

Phase I Environmental Site Assessment

Part of 980 Earl Armstrong Road and 4700 Limebank Road

Ottawa, Ontario

Prepared for Riverside South Limited Partnership

Report: PE6399-1R
July 2, 2026

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EXECUTIVE SUMMARY

Paterson Group was retained by Riverside South Limited Partnership to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for Parts of 980 Earl Armstrong Road and 4700 Limebank Road in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (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 was used for agricultural purposes prior to 1976. The Phase I Property formerly contained farmstead buildings which were abandoned or demolished in prior 1976. No concerns were identified with respect to historical land use of the Phase I Property.

Historically, properties within the Phase I Study Area have been used for primarily agricultural and residential purposes.

No PCAs were identified with the current or historical uses of the Phase I Property or neighbouring properties within the Phase I Study Area.

The surrounding lands in the Phase I Study Area consist primarily of future development land and residential land.

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

1.0 INTRODUCTION

At the request of Riverside South Limited Partnership, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I-ESA) for parts of the properties addressed 980 Earl Armstrong Road and 4700 Limebank Road, in the City of Ottawa, Ontario (Phase I Property). The purpose of this Phase I-ESA has been to research the past and current uses of the Phase I Property, as well as the neighbouring properties within a 250 m study area (Phase I Study Area) to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Marcel Denomme of Urbandale, who can be reached by telephone at 613-731-6712 Ext. 1230.

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 under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O. Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). 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, as well as a cursory review made at the time of the field assessment. The historical research relies upon 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: Parts of 980 Earl Armstrong Road and 4700 Limebank Road, Ottawa, Ontario.

Location: The Phase I Property is located on the west side of Limebank Road, southeast of the intersection of Earl Armstrong Road and Limebank Road Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.

Latitude and Longitude: 45°16'32.7"N 75°40'07.8"W.

Site Description:

Configuration: Irregular

Area: 50 ha (approximately)

Zoning: GM28 (northeast part of 980 Earl Armstrong) – General Mixed Use Zone

R5Z (southwest and east part of 4700 Earl Armstrong) – Residential Fifth Density

L2 (southwest part of 980 Earl Armstrong and northwest part of 4700 Earl Armstrong) – Major Leisure Facility Zone

Current Use: The Phase I Property currently consists of vacant land.

Services: The Phase I Property is located within an area of mixed private and public services.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I-ESA is described as follows:

- ☐ Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
- ☐ Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
- ☐ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
- ☐ Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and in compliance with the requirements of CSA Z768-01 (reaffirmed 2022);
- ☐ 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 deemed appropriate for defining the study area for this assignment, herein referred to as the Phase I Study Area. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property was never developed and has been vacant land used for agricultural purposes since before 1976.

City of Ottawa Street Directories

City Directories for the area of the Phase I Property were reviewed in approximate 10-year intervals from 1950 to 2010 (latest available date). The Phase I Property was not listed in the directories for any of the years reviewed prior to 2010. Properties in the Phase I Study Area were listed as residential or commercial use.

No Potentially Contaminating Activities were identified on any properties within the Phase I Study Area.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the Phase I Study Area.

Plan of Survey

A survey plan of the Phase I Property, prepared by Annis, O'Sullivan, Vollebekk Ltd. was reviewed as part of this assessment. The survey plan is included in Appendix 1.

Chain of Title

Paterson did not request a Chain of Title for the Phase I Property as it was determined that information gathered from other sources, such as personal interviews and aerial photographs, satisfies the objectives of the records review.

Previous Environmental Reports

The following reports were reviewed as part of this assessment:

- ❑ *“Phase I Environmental Site Assessment – Selected Lands South And North Of Earl Armstrong Road Between River Road And Mosquito Creek – Ottawa (Gloucester), Ontario”* Prepared by Golder Associates, dated April, 2009.

A Phase I ESA was carried out for a large site comprised of Parts of Lots 19, 20, 21 and 22 of Concession 1 (Rideau Front) which included the entirety of the current Phase I Property. The Phase I report determined that the property was historically used for agricultural purposes and, with the exception of a farmstead, had never been formally developed. The Phase I identified the presence of a stockpile, presumed to be fill at the time, near the intersection of Earl Armstrong Road and Limebank Road. Several small fill piles with construction debris were also identified along Limebank Road approximately near the middle of the current Phase I Property. The Phase I ESA recommended this debris be removed. Due to the agricultural use of the Phase I Property, it was considered likely that Herbicide and Pesticide use occurred on the Phase I Property, therefore, additional research or interviews with former property owners or a Phase II ESA were recommended. Given how long it has been since the land was used for crops and the nature of the crops, it is our opinion that there would be no residual effects on the site from possible historic pesticide use.

- ❑ *“Phase One Environmental Site Assessment – Part of 980 Earl Armstrong Road – Ottawa, Ontario”* Prepared by Golder Associates, dated January, 2017.

A Phase I ESA was carried out for part of the property addressed 980 Earl Armstrong Road (the southern portion of the current Phase I Property). The Phase I report determined that the property was historically used for agricultural purposes and had never been formally developed. One (1) off-site PCA consisting of the previously identified soil stockpile approximately 100m to the north (on part of the current Phase I Property), however, it was not considered to be an APEC due to the separation distance and the stockpile anticipated to be downgradient. **A Phase II ESA was not recommended.**

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records listed for properties situated within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Ontario Inventory of PCB Storage Sites, April 1995*" was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

A review of this document did not identify any former PCB waste storage sites situated within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "*Waste Disposal Site Inventory in Ontario, 1991*" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any former waste disposal sites within 500 m of the Phase I Property.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP was received on May 1, 2024, and has been included in Appendix 2.

MECP Incident Reports

The response from the MECP Freedom of Information office for identified 4 records concerns records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties. Three (3) of the records pertain to low volume (1L or less) oil or coolant spills from construction equipment, these incident reports indicate they occurred on the LRT property and/or an SNC Lavalin job site and are therefore considered to have occurred off site. Due to the low volume, off site nature and the spill being cleaned, this spill is not considered to pose an environmental risk to the Phase I Property.

The remaining record pertains to dust migrating from the site during topsoil stripping activities and is not considered relevant to the scope of this report.

MECP Waste Management Records

The response from the MECP Freedom of Information office for information identified 1 waste management record for the Phase I Property. Based on the indicated waste classes and available information, it is considered that this record pertains to waste generated cleaning the previously mentioned spills.

MECP Instruments

The response from the MECP Freedom of Information office for information identified several certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the Phase I Property. The activities identified in these records are not considered to pose an environmental risk to the Phase I Property.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2023.

A review of the registry did not identify any RSCs in the database filed for the Phase I Property or for off-site properties within the Phase I Study Area.

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on January 29, 2024, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as adjacent and some neighbouring properties within the Phase I Study Area.

The response from the TSSA indicated that no records were identified with respect to the Phase I Property or adjacent properties.

A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, “*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*”, was reviewed as part of this assessment. This document identifies the details and locations of all recorded active and closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any closed landfill sites situated on the Phase I Property or within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

A requisition was sent to the City of Ottawa to request information from the City’s Historical Land Use Inventory (HLUI 2011) database for the subject property. A response from the City of Ottawa was received on June 6, 2024.

The HLUI identified a motor vehicle wholesaler located at 1420 Earl Armstrong Road, based on available historical information these activities did not occur within the 250m Phase I Study Area. The HLUI also identified soil scraping on the property addressed 1423 Earl Armstrong Road in 2011, this activity is not considered to pose an environmental risk to the Phase I Property due to the separation distance (approximately 190m).

ERIS Database Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

The ERIS report identified 6 records for the Phase I Property. The records include Environmental Compliance Approvals (ECAs), previous ERIS searches, Ontario spills records, and well records.

One (1) of the 2 spill records identified on the Phase I Property was listed as occurring on 4630 Limebank Road (LRT property), consisting of 0.5L of diesel fuel and was noted to have been cleaned up. Due to the low volume, off site nature and the spill being cleaned, this spill is not considered to pose an environmental risk to the Phase I Property.

The remaining spill record consists of 2L of hydraulic oil, also reported to be on the Phase I Property, but likely associated with the LRT station. This spill was also reported to have been remediated. Due to the low volume this spill and having been cleaned up, it is not considered to pose an environmental risk to the Phase I Property.

A total of 33 records from various databases were identified in the ERIS search within the 250 m search radius. The records included borehole records, Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs), Environmental Activity and Sector Registry records (EASRs), previous ERIS searches, well records, Pipeline incidents, and Ontario spills records.

Four (4) additional spills were identified in the Phase I Study Area all of which consisted of fuel and oil spills of 15L or less and were noted as being cleaned. Due to the low volume (15L or less), the distance from the Phase I Property these spills, and the spills being cleaned are not considered to have posed an environmental risk to the Phase I Property.

Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs) found for the Phase I Property and Study Area were comprised of sewer and water works applications.

The Environmental Activity and Sector Registry record identified consisted of a water taking permit.

The Pipeline incidents record identified consisted of a natural gas pipeline strike. Due to the gaseous nature of natural gas this incident is not considered to pose environmental risk to the Phase I Property.

The remaining records are not considered to pose an environmental risk to the Phase I Property.

A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the City of Ottawa's mapping website geoOttawa, and reviewed in approximate ten-year intervals, beginning with the earliest available photograph. Based on a review of these photographs, the following observations have been made:

1976	The Phase I Property and surrounding lands appear to be used for agricultural purposes at this time. The remains of former farmstead buildings appear to be present in the southeast corner of the property.
1991	No significant changes are apparent with respect to the Phase I Property and surrounding lands.
2005	Earl Armstrong Road has been diverted to its present-day position. A residential subdivision has begun construction to the north of Earl Armstrong Road. No significant changes are apparent with respect to the Phase I Property.
2015	Topsoil in the northwest corner of the Phase I property has been stripped and stockpiled. The residential neighbourhood to the north of Earl Armstrong Road has reached its present extent.
2021	The previously stockpiled topsoil has been removed. Trees have been cleared and a gravel pad has been placed in the future area of Limebank Station. An access road leading to the gravel pad has been constructed on the Phase I Property. The residential neighborhood south of Earl Armstrong Road has reached its present-day extent.
2022	No significant changes appear to have been made to the Phase I Property since the previous photograph. Construction of Limebank station has begun.

No potential environmental concerns were identified in the historical aerial photographs. It should be noted that the stockpile in the northwest corner was

previously identified as fill, however based on a review of available air photos, client interviews, and photos from the previous report it is considered to be topsoil from the Phase I Property.

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 beneath the site area consists of interbedded sandstone and dolomite of the March Formation. Surficial soils were identified to consist of marine deposits, with a drift thickness of 5 to 15 metres.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment. The topographic map indicates that the general elevation of the Phase I Property is approximately 96 m above sea level, while the regional topography within the greater area is generally sloping gradually down to the west, towards the Rideau River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: “...*the lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.*” The Phase I Property is located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Water Bodies

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is the Rideau River, located approximately 2.6 km to the south.

MECP Water Well Records

A search of the MECP website for all drilled well records within a 250 m radius of the Phase I Property, was conducted as part of this assessment. No well records were identified on the Phase I Property. The search identified 16 well records within the Phase I Study Area. These records pertain to wells installed between 1951 and 2020 and indicate that the wells are used for: domestic household, agricultural, or geotechnical groundwater observation purposes. Although full public utilities are available in this area, drinking water wells remain in use within the Phase I Study Area.

According to the well records, the overburden stratigraphy in the vicinity of the Phase I Property generally consists of silty clay and glacial till. Bedrock consisting of limestone was generally encountered at depths ranging from approximately 0 m to 16 m below ground surface. The aforementioned well records are included in Appendix 2.

5.0 INTERVIEWS

Property Owner Representative

Mr. Jordan Quintyne of Riverside South Limited Partnership was available by email to respond to questions regarding the environmental history of the Phase I Property.

Mr. Quintyne stated that he was unaware of any storage tanks, spills, and pesticide or herbicide use on the property. When asked about imported material, Mr. Quintyne indicated that a limited volume of off-site soil was imported to construct consolidation test piles. This material is considered to be locally sourced from nearby greenfield residential developments and does not represent an area of concern.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted for the Phase I Property on January 17, 2024, between approximately 9:00 AM and 10:00 AM. Weather conditions were clear, with a temperature of approximately -15°C. The ground surface was covered by snow at the time of the site visit. Mr. Grant Paterson from the Environmental Department of Paterson Group conducted the inspection.

A follow up site visit was conducted on April 25, 2024, between approximately 2:00 PM and 3:00 PM. Weather conditions were clear, with a temperature of approximately 9°C. There was no snow covering the ground surface at the time of the site visit. Mr. Grant Paterson from the Environmental Department of Paterson Group conducted the inspection.

A third site visit was conducted on June 10, 2026, between approximately 2:00 PM and 3:00 PM. Weather conditions were clear, with a temperature of approximately 23°C. Mr. Grant Paterson from the Environmental Department of Paterson Group conducted the inspection.

In addition to the Phase I Property, 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 the Phase I Property

Site Description

The site topography is relatively flat, while the regional topography appears to slope down towards the west, in the general direction of the Rideau River.

Water drainage on the Phase I Property occurs via infiltration and surface runoff towards the west.

No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at the time of the site inspection.

The Phase I Property consists of vacant, undeveloped land, with moderate tree coverage and overgrown vegetation. An asphaltic concrete roadway is present on the property going southeast from Earl Armstrong Road turning east towards Limebank Road after approximately 300 m. No buildings or structures are present on the Phase I Property.

Several fill piles noted in the previous Golder Phase I ESA were still present at the time of the initial 2 site visits. These piles were confirmed to have been removed at the time of the third site visit and therefore are not considered to represent an ongoing environmental concern to the Phase I Property (refer to photos 7 to 9 in Appendix 1). The ground surface was inspected and no staining or signs of impact to the original in situ soil was observed.

A depiction of the Phase I Property is illustrated on Drawing PE6399-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

No buildings or structures are present on the Phase I Property.

No private wells were identified on the Phase I Property. No current or former rail or spur lines were identified on the Phase I Property.

Potential Environmental Concerns

☐ Fuels and Chemical Storage

No chemical storage areas, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the exterior of the Phase I Property.

☐ Hazardous Materials and Unidentified Substances

No hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the exterior of the Phase I Property.

☐ Polychlorinated Biphenyls (PCBs) and Transformer Oil

No electrical transformers or any other potential sources of PCBs or transformer oil were identified on the exterior of the Phase I Property.

☐ Waste Management

No waste is currently generated on the Phase I Property.

Neighbouring Properties

At the time of the site visit, a survey of the neighbouring properties was conducted from publicly accessible roadways.

Land use adjacent to the Phase I Property was observed as follows:

North: Earl Armstrong Road, followed by residential dwellings and vacant land;

South: Agricultural land;

East: Limebank Road, followed by residential dwellings, agricultural land, and vacant land;

West: Residential dwellings and vacant land.

Based on our site visit, no potential environmental concerns were identified with the neighbouring properties.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6399-2 – 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 was used for agricultural purposes prior to 1976, and structures associated with a farmstead were abandoned or demolished prior to 1976.

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities were identified with the historical and current use of the Phase I Property or neighboring properties in the Phase I Study Area.

Areas of Potential Environmental Concern (APEC)

No Areas of Potential Environmental Concern were identified on the Phase I Property.

Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified since no APECs were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available mapping information, the bedrock in the area of the Phase I Property consists of interbedded sandstone and dolomite of the March Formation, with surficial geology consisting of till and offshore marine sediments (clay and silt) with an overburden thickness of 10 to 15 m.

Groundwater is anticipated to flow in a south to south-easterly direction towards the Rideau River.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is the Rideau River, located approximately 2.6 km to the south.

Drinking Water Wells

Based on the rural setting of the Phase I Property, drinking water wells are expected to be present within the Phase I Study Area.

Existing Buildings and Structures

No buildings or structures are present on the Phase I Property with the exception of a wooden sign advertising the adjacent development.

Current and Future Property Use

The Phase I Property use is currently considered to be vacant or agricultural use. Based on the provided drawings, it is understood that the Phase I Property will be developed with multi-storey residential and mixed-use buildings.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist primarily of Agricultural or Other Use (future development land) and residential use.

Current land use is depicted on Drawing PE6399-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified in the Phase I Study Area.

As such, no Areas of Potential Environmental Concern were identified on the Phase I Property.

Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the Phase I Property

8.0 CONCLUSION

Paterson Group was retained by Riverside South Limited Partnership to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for Parts of 980 Earl Armstrong Road and 4700 Limebank Road in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (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 was used for agricultural purposes prior to 1976. The Phase I Property formerly contained farmstead buildings which were demolished or abandoned prior to 1976. No concerns were identified with respect to the historical land use of the Phase I Property.

Historically, properties within the Phase I Study Area have been used for agricultural purposes. Residential development to the north and east of the Phase I Property has been ongoing since approximately 2005.

At the time of the most recent site visit the land is primarily vacant with some roadways present throughout the northern portion of the property. Several small fill piles were previously located on the eastern side of the Phase I Property. At the time of the most recent site visit all fill and construction debris was confirmed to have been removed by Paterson Personal.

No PCAs were identified with the current use of the site.

The surrounding lands in the Phase I Study Area consist primarily of future development land and residential use land. No concerns were identified with their use.

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

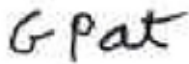
9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and CSA Z768-01 (reaffirmed 2022). 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 as well as 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 Phase I Property 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 Riverside South Limited Partnership. Permission and notification from Riverside South Limited Partnership and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.



Grant Paterson, Technologist.



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



Report Distribution:

- ☐ Riverside South Limited Partnership
- ☐ Paterson Group Inc.

10.0 REFERENCES

Federal Records

- ☐ Natural Resources Canada: Air Photo Library.
- ☐ Natural Resources Canada: The Atlas of Canada.
- ☐ Geological Survey of Canada: Surficial and Subsurface Mapping.
- ☐ Environment Canada: National Pollutant Release Inventory.
- ☐ National Archives of Canada.

Provincial Records

- ☐ MECP: Freedom of Information and Privacy Office.
- ☐ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ☐ MECP: Waste Disposal Site Inventory, 1991.
- ☐ MECP: Brownfields Environmental Site Registry.
- ☐ MECP: Water Well Inventory.
- ☐ MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- ☐ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- ☐ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- ☐ 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: GeoOttawa
- ☐ City of Ottawa: Historical Land Use Inventory Database
- ☐ City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ☐ Personal Interviews.
- ☐ Previous Engineering Reports.
- ☐ Plan of Survey.

Public Information Sources

- ☐ ERIS Database Report.
- ☐ Google Earth.
- ☐ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6399-1 – SITE PLAN

DRAWING PE6399-2 – SURROUNDING LAND USE PLAN

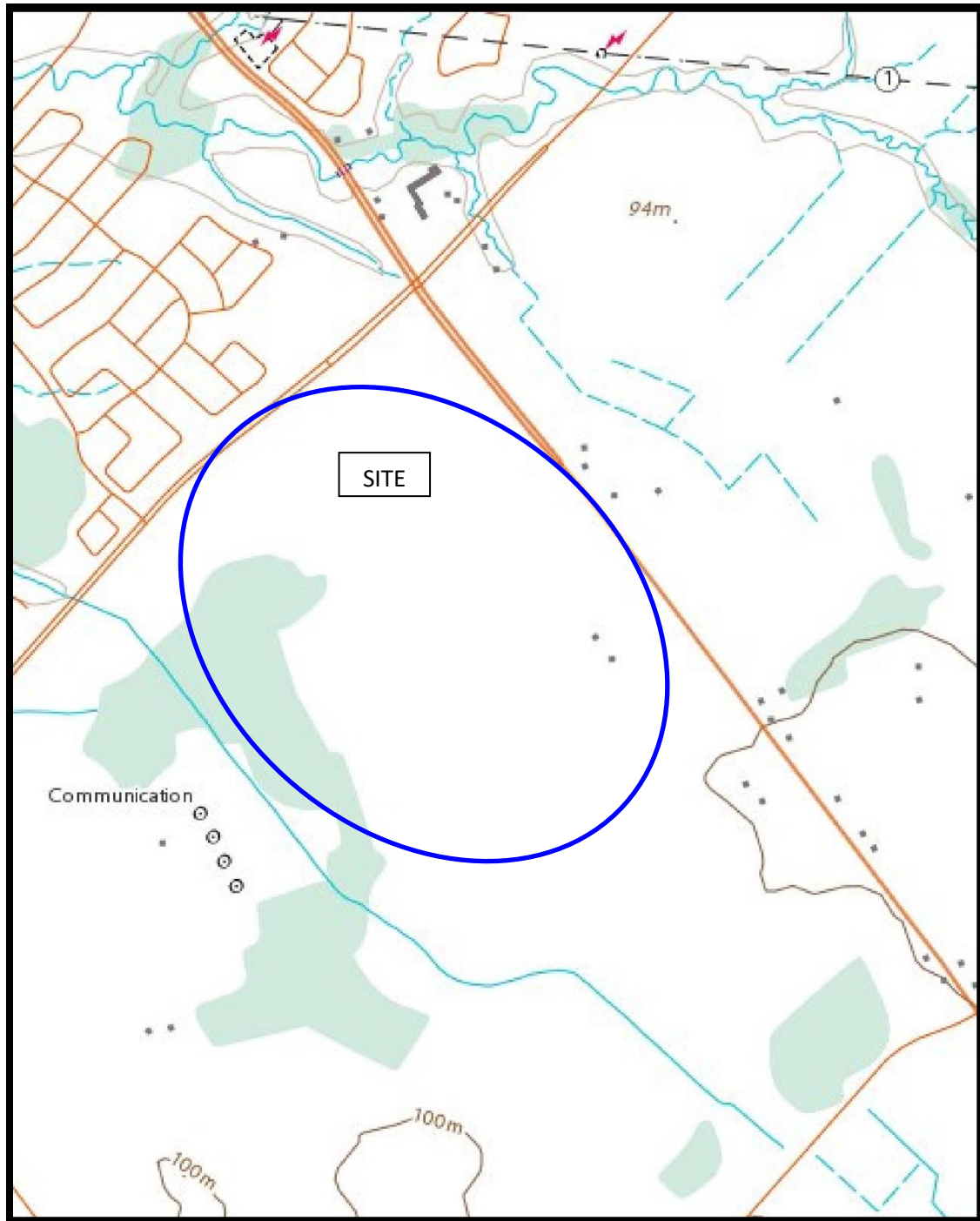
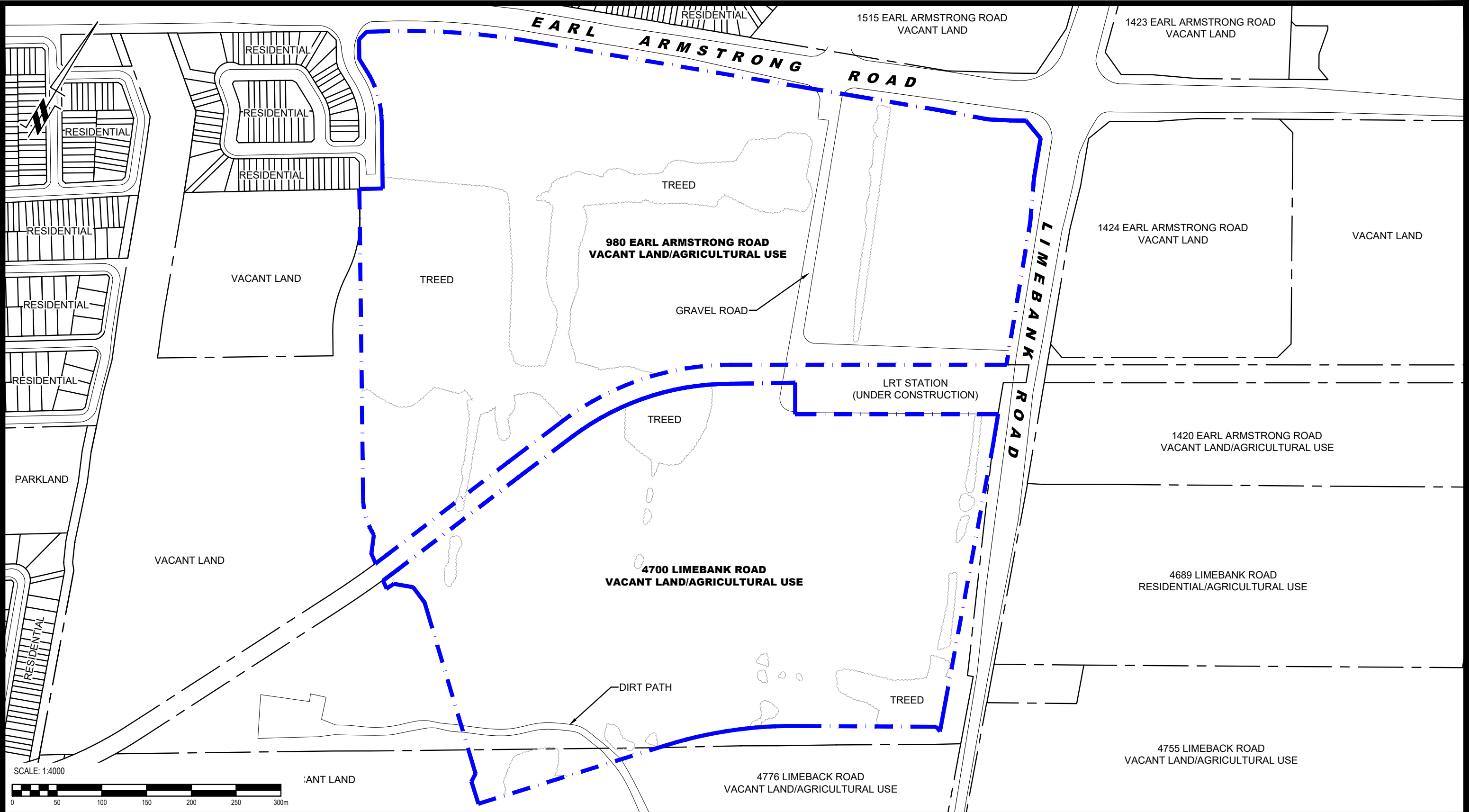
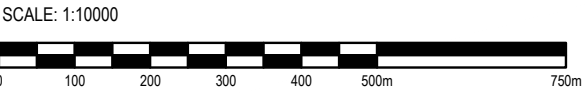
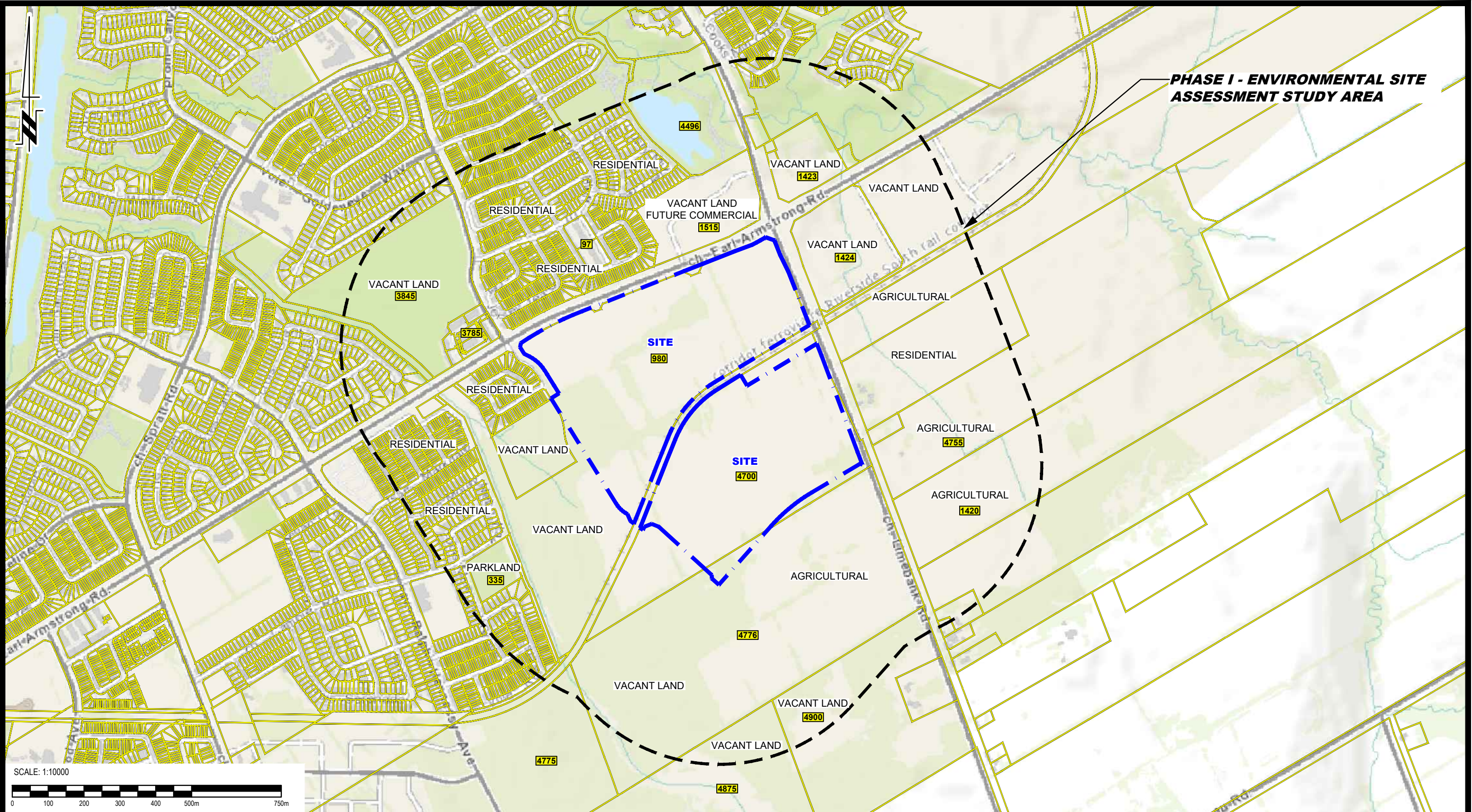


FIGURE 2
TOPOGRAPHIC MAP



 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381					RIVERSIDE SOUTH LIMITED PARTNERSHIP PHASE I - ENVIRONMENTAL SITE ASSESSMENT PARTS OF 980 EARL ARMSTRONG ROAD AND 4700 LIMEBANK ROAD OTTAWA, ONTARIO Title: SITE PLAN	Scale:	1:4000	Date:	02/2024	
						Drawn by:	ZS	Report No.:	PE6399-1	
						Checked by:	GP	Dwg. No.:	PE6399-1	
						Approved by:	MSD	Revision No.:		





9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

RIVERSIDE SOUTH LIMITED PARTNERSHIP

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

PARTS OF 980 EARL ARMSTRONG ROAD AND 4700 LIMEBANK ROAD

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale:	1:10000	Date:	02/2024
Drawn by:	ZS	Report No.:	PE6399-1
Checked by:	GP	Dwg. No.:	PE6399-2
Approved by:	MSD	Revision No.:	

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

PLAN OF SURVEY



AERIAL PHOTOGRAPH
1976



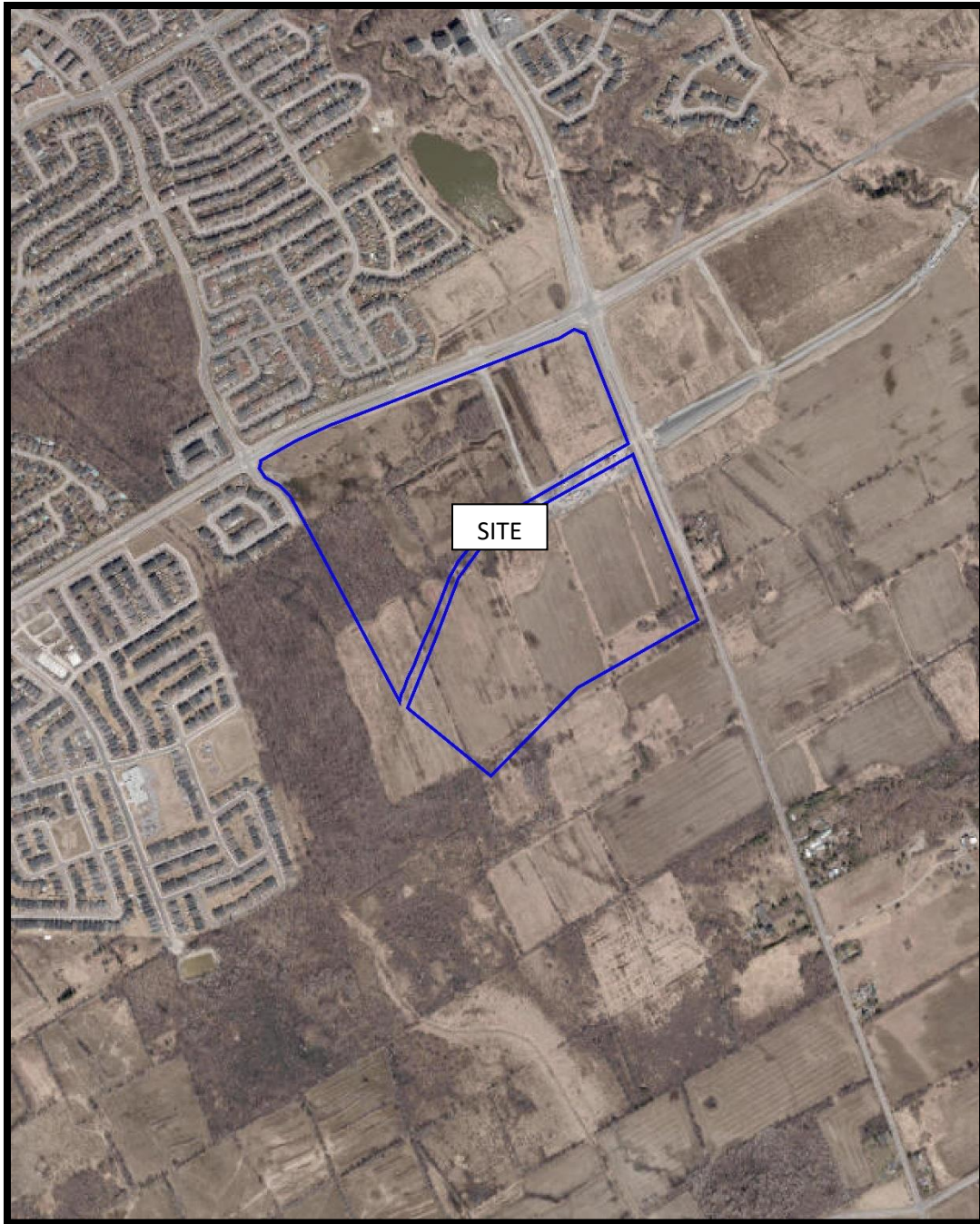
AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2005



AERIAL PHOTOGRAPH
2015



AERIAL PHOTOGRAPH
2021



AERIAL PHOTOGRAPH
2022

Site Photographs

PE6399

Part of 980 Earl Armstrong Road and 4700 Limebank
Road, Ottawa, Ontario

January 17, 2024



Photograph 1: View of the western portion of 980 Earl Armstrong, facing east.



Photograph 2: View of the northern portion of 980 Earl Armstrong, facing west.

Site Photographs

PE6399

Part of 980 Earl Armstrong Road and 4700 Limebank
Road, Ottawa, Ontario

January 17, 2024



Photograph 3: View of the northern portion of 980 Earl Armstrong, facing south.



Photograph 4: View of the northern portion of 4700 Limebank Road, facing west.

Site Photographs

PE6399

Part of 980 Earl Armstrong Road and 4700 Limebank
Road, Ottawa, Ontario

January 17, 2024



Photograph 5: View of the northern portion of 4700 Limebank Road, facing south.



Photograph 6: View of the eastern portion of 4700 Limebank Road, facing west.

Site Photographs

PE6399

Part of 980 Earl Armstrong Road and 4700 Limebank
Road, Ottawa, Ontario

June 10, 2026



Photograph 7: View of the former construction debris piles location along Limebank Road, facing west.



Photograph 8: View of the former construction debris piles location along Limebank Road, facing north.

Site Photographs

PE6399

Part of 980 Earl Armstrong Road and 4700 Limebank
Road, Ottawa, Ontario

June 10, 2026

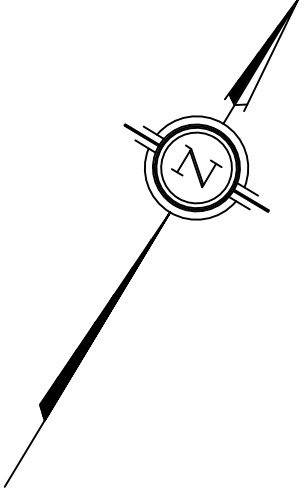


Photograph 9: View of the former construction debris piles location along Limebank Road, facing South.

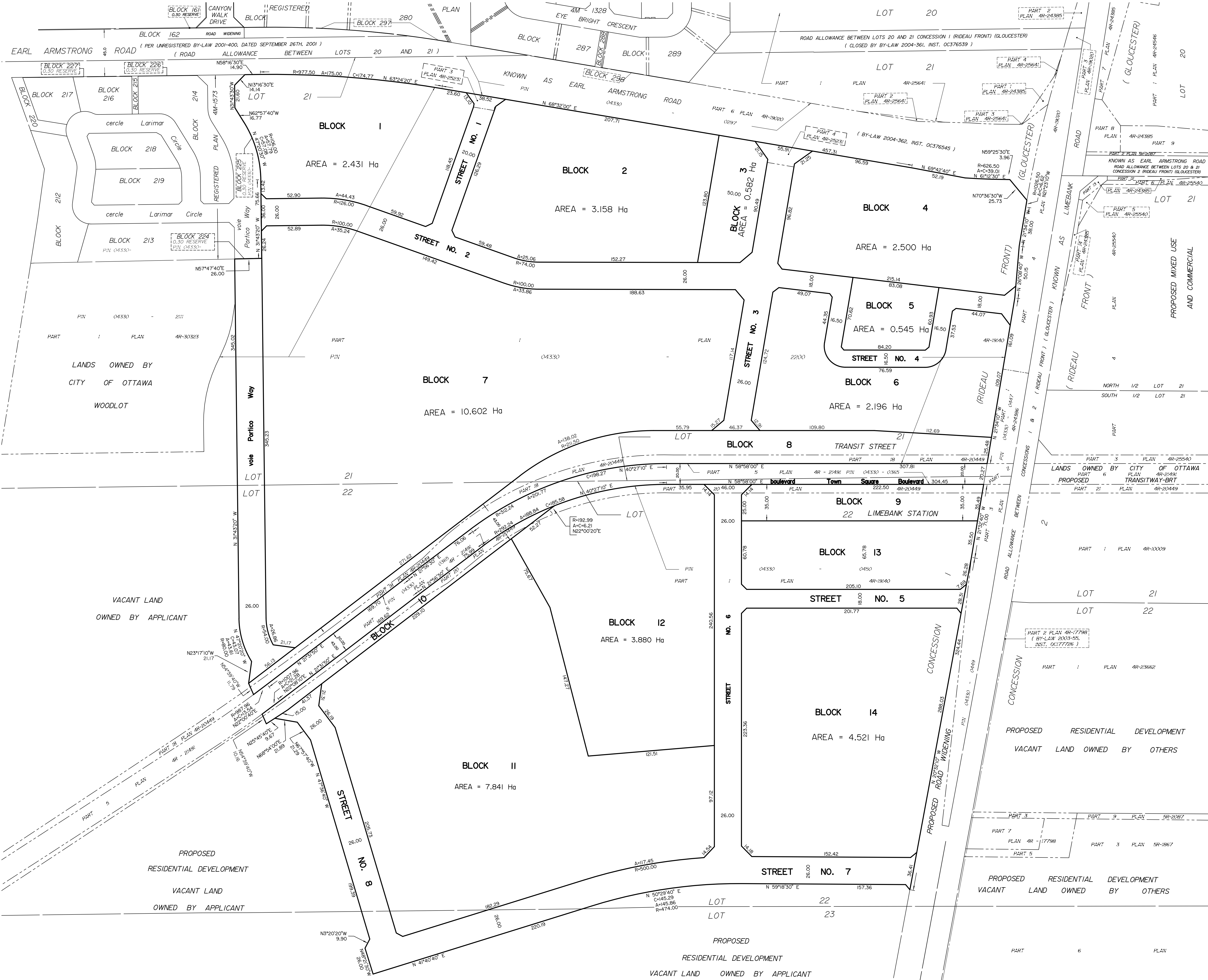
OPTION 2
DRAFT PLAN OF SUBDIVISION OF
PART OF LOTS 21 and 22
CONCESSION 1 (RIDEAU FRONT)
Geographic Township of Gloucester
CITY OF OTTAWA
Prepared by Annis , O'Sullivan , Vollebekk Ltd.

Scale 1 : 1500
60 45 30 15 0 30 60 Metres

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



KEY MAP
NOT TO SCALE



REVISION SCHEDULE			
NO.	REVISION	DATE	BY
11	REVISED LOC. OF SCHOOL BLOCK	SEPT. 20, 2023	N
10	REVISIONS	MAY 4, 2023	N
9	REVISIONS	APR. 27, 2023	N
8	REVISIONS	APR. 26, 2023	N
7	REVISIONS	JUNE 7, 2022	N
6	REVISIONS	APR. 21, 2022	N
5	REVISIONS	APR. 14, 2022	N
4	DISCUSSION	MAR. 19, 2021	N
3	DISCUSSION	JAN. 4, 2021	N
2	DISCUSSION	DEC. 18, 2020	N
1	DISCUSSION	DEC. 10, 2020	N

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS DATABASE REPORT

Ministry of the Environment,
Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2



May 1, 2024

Grant Patterson
Paterson Group Inc.
9 Auriga Drive
Ottawa, Ontario K2E 7T9
gpaterson@patersongroup.ca

Dear Grant Patterson:

RE: MECP FOI A-2024-02027, Your Reference #: PE6399 – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 980 Earl Armstrong Road and 4700 Limebank Road, Ottawa.

Your final fee payment was received by this office. If payment was not in Canadian dollars, please contact our office immediately.

Attached is a copy of the records.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

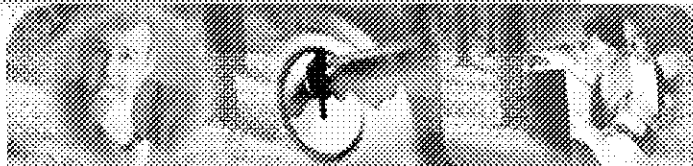
If you have any questions, please contact Amina Shah at 437-339-1251 or amina.shah@ontario.ca.

Yours truly,

A handwritten signature in black ink that reads "A. Shah." with a stylized flourish at the end.

for
Josephine DeSouza
Manager, Access and Privacy Office

Attachment



Generator Details

Registration/Notification Number

ON4672915

Legal Company Name

Primary Name: SNC-Lavalin Constructors (Pacific) Inc. Division Name: NA

Company Operating Name

Primary Name: SNC-Lavalin Constructors (Pacific) Inc. Division Name: NA

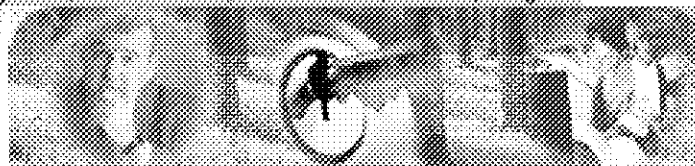
Mailing Address

Division Building: NA Post Box Number: NA
 Address Line 1: 1145 Hunt Club Road, 2nd Floor Address Line 2: NA
 Town/City: Ottawa Postal Code / Zip Code: K1V 0Y3
 County: (if inside Ontario) OTTAWA CARLTON (RM) Province/State (If inside Canada/US) ONTARIO
 County: (if outside Ontario) NA Province / State (If outside Canada / US) NA
 Country: Canada

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building: NA Post Box Number: NA
 Address Line 1: 980 Earl Armstrong Road
 Address Line 2: NA
 Town/City: Ottawa Postal Code / Zip Code: K1V 1T1
 County: (if inside Ontario) OTTAWA CARLTON (RM) Province / State (If inside Canada / US) ONTARIO
 County: (if outside Ontario) NA Province / State (If outside Canada / US) NA
 Country: Canada


Company Name: **SNC-Lavalin Constructors (Pacific) Inc.**

Company Number: **ON4672915 (Generator)**

Active Waste Classes

Active Waste Class Listing

[Add New Waste Class](#) | [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status	UnRegister Waste Class
146 - L	View Details	N/A					Liquid	Off-Site	Active	☐
252 - L	View Details	N/A					Liquid	Off-Site	Active	☐



Ministry of the Environment, Conservation and
Parks
Ministère de l'Environnement, de la Protection de la
nature et des Parcs

PERMIT TO TAKE WATER

Reference No: 1613-7YANR8

Site Region: Eastern

Reference Number:	1613-7YANR8	File Storage Number:	P-5102-OTT
Module:	Permit To Take Water With Fees	Module Type:	Surface and Ground Water
Cross Reference:	(doc link)	Task Link:	1338-7YLMMS 
Originating Document:		Created by:	Andre Papadimitriou
Date Created:	2009/11/30	Date Completed:	2010/01/08
Bring Forward Date:		Bring Forward Reason:	
Status:	Expired		
Program	Water - Ground & Surface	Activity:	Approvals - PTTW - Combined

Client(s)

Client Details

City of Ottawa
Mailing Address: 100 Constellation Cres, Ottawa, Ontario, Canada, K2G 6J8
Physical Address: 100 Constellation Cres 6th Floor, Ottawa, City, Ontario, Canada, K2G 6J8
Telephone: (613)580-2424, Extension: X.26708, FAX: (613)560-6064, email: patrick.leblanc@ottawa.ca
Client #: 9858-7BMTJM, Client Type: Municipal Government
Additional Address Info: 6th Floor

Site(s)

Site Details

980 Earl Armstrong Road
Address: 980 Earl Armstrong Rd Lot 19, 20, 21 Concession 1& 2, Geographic Township of Gloucester, Ottawa, City
District Office: Ottawa
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 10 -100 metres eg. Topographic Map, Method: Map, UTM
Easting: 445010, UTM Northing: 5014410, UTM Location Description: pond,

Site #: 5194-7YAP3W

Application Related Documents / Information

Application Information

Application Type: New		Date Application Received: 2009/11/27	
Date Application Signed:	2009/11/20	Application Signed By:	Rock Fortier
Additional Information Attached to the Application:			
Issued Permit No:	Issued Permit Signed Date:	Issued Permit Expiry Date:	Link:
5102-7YLPHM	2010/01/08	2010/12/11	

Permit End Date: 2010/12/11

Project Technical Contact Information

Contact Name:	Andrew Chevrier		
Contact Company Name:	Houle Chevrier Engineering Ltd.		
Address:	180 Wescar Lane, RR 2		
Unit ID:			
Delivery Designator:	☐ Rural Route ☐ Suburban Service ☐ Mobile Route ☐ General Delivery		
Delivery Identifier:			
Municipality:	Carp	Province / State:	Ontario
Postal Code:	K0A 1L0	Country:	Canada
Phone Number:	(613)836-1422	Extension:	222
Fax Number:	(613)836-9731	Email Address:	

Project Information

Project Name:	This is a new permit to take water for the purpose of construction dewatering from one (1) dugout pond and one (1) watercourse, Thomas Gamble Drain		
Description of Proposed Work:	This is a new permit to take water for the purpose of construction dewatering from one (1) dugout pond and one (1) watercourse, Thomas Gamble Drain		
Is Fee Required ?			

☒ Yes ☐ No			
Classification:	Category 2: <-- Click here to Add/Modify		
Fee Required:	\$750.00 <-- Click here to show Financial Summary		
Missing Info Checklist:	no missing information (complete application)		
GeoReference Map Datum: NAD83	GeoReferencing Method: Map	GeoReference Accuracy Estimate: 10 -100 metres eg. Topographic Map	
Construction Date:		Installation Date:	
Project Start Date:		Project End Date:	
WTRS Reporting Phase:	2		
Estimated start of taking:	2009/12/01	Period of Water Taking:	1 years
Is Proposal a Section 5.5 use, as defined in Regulation?		No	
a) Is water taking located in a summer low flow high use watershed?		No	
b) Is water taking located in a summer low flow medium use watershed?		Yes	
c) Is it located in an annual average high use watershed?		No	
d) Is it located in an annual average medium use watershed?		No	
Bulk Extraction:	No	Location of Water Bottling Plant:	
Seasonal Water Taking:	No		
Site Region:	Eastern	IDS Cross Reference:	
Is this Proposal in Oak Ridges Moraine:	No	Is this Proposal in Niagara Escarpment Development Area:	No
Is municipality and conservation authority notice required?	No		

Public Consultation / Notification

Classification Change History				
Date	Person	Classification Changed From	Classification Changed To	Reason

Table A

Source Information and Water Taking Amount Applied For

	Source Name / Description:	Source Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1.	Excavated Trenches	Pond Dugout	Construction	Dewatering Construction	900.00	7.40	399600.00	30.00	18 446405 5013650
2.	Thomas Gamble Drain	Pond Dugout	Construction	Dewatering Construction	3785.00	24.00	5450400.00	30.00	18 446730 5012910
						Total Taking:	5850000.00		

Source Information and Water Taking Amount Approved

	Source Name / Desc.	Source Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1.	Excavated Trenches	Pond Dugout	Construction	Dewatering Construction	900.00	7.40	399600.00	30.00	18 446405 5013650
2.	Thomas Gamble Drain	Stream	Construction	Dewatering Construction	3785.00	24.00	5450400.00	30.00	18 446730 5012910
3.									
						Total Taking:	5850000.00		

EBR Requirements

Is this a proposal for a Prescribed Instrument under EBR?	If "Yes", is it excepted from public participation?	If excepted from public participation, provide reason:
Yes	Yes	EAA or Tribunal Decision

Exception rationale comments:
ESR - Notices of Completion provided

Date Created:	2009/11/30		
Appl Receive Date:	2009/11/27	Total EAAB Stop Time:	0.0
Date Sent to Region:	2009/11/30	Total Region Stop Time:	0.0
Date Signed:	2010/01/08	Total Stop Time:	0.0
EAAB Turnaround Time:	3.0	Region Turnaround Time:	244.0
Total Turnaround Time:	247.0	Clock Status:	Off
Current Stage:	REGION		
Clock History			
Date / Time:	Person:	Details:	
2010/01/08 11:41 AM	Peter Taylor	File closed	

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: (416)314-8452
Telephone: (416) 314-2378

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur : (416)314-8452
Téléphone : (416) 314-2378



November 30, 2009

Rock Fortier
City of Ottawa
100 Constellation Cres
Ottawa, Ontario
K2G 6J8

Dear Sir:

Re: Application for Approval of Permit To Take Water
This is a new permit to take water for the purpose of construction dewatering
from one (1) dugout pond and one (1) watercourse, Thomas Gamble Drain.
Ottawa City
MOE Reference Number 1613-7YANR8

We acknowledge receipt of your application for a Permit to Take Water for a New Permit and the fee in the amount of \$750.00, received on November 27, 2009, for the taking of water from a source located at:

Site Location: 980 Earl Armstrong Rd, Lot 19, 20, 21 Concession 1,2
Ottawa City

The Ministry's reference number for your application is 1613-7YANR8. Please quote this number in any correspondence or enquiries regarding this application.

The Region handling your application is Eastern Region. If you have any questions regarding your Permit to Take Water application please contact the Permit to Take Water Coordinator at 613-540-6868. Should any further information be required, they will contact you or your identified Project Technical Information Contact. Information regarding Permits to Take Water is also available at www.ene.gov.on.ca.

Sincerely,



Andre Papadimitriou
Application Assessment Officer
Environmental Assessment and Approvals Branch

c: Andrew Chevrier, Houle Chevrier Engineering Ltd.



Ministry of the Environment
Ministère de l'Environnement

PERMIT TO TAKE WATER Regional Screening - Category 2 Checklist

Reference No: 1613-7YANR8
Created by: Nicholas Murphy

Client: City of Ottawa Client Number: 9858-7BMTJM 100 Constellation Cres Ottawa, Ontario, K2G 6J8 Canada	Site: 980 Earl Armstrong Road 980 Earl Armstrong Rd Lot 19, 20, 21 Concession 1,2 Ottawa NA Concession: NA Plan: NA

REGIONAL CATEGORY 2 APPLICATIONS SCREENING				
PTTW Type	Required Information	Screening Criteria	Action	Screening Comments
All	Identify and verify location of water taking	Bring up water taking location on GIS using coordinates provided by applicant.	If the location indicated by the applicant is not correct (wrong lot or concession), contact applicant and verify location.	Confirmed
All	Does the application contain a complete schedule signed by a qualified person?	All applications must be accompanied by a schedule signed by a qualified person. For groundwater application, the	If a signed schedule is attached, proceed. If no schedule is attached or it is not signed, return the	Yes Schedules 2 & 3 November 17, 2009

		schedule must be signed by a P.Eng or a P.Geo. For Surface water applications, the letter must be signed by a biologist/ecologist or an engineer.	application.	Andrew Chevrier, M. Eng., P. Eng.
All	Is this a renewal or an amendment to an existing PTTW?	If this is an amendment or a renewal, the applicant should have self identified. Comparing the existing PTTW with the application confirms this fact. Obtain the existing file and attach to application.		No
GW	Is this application for a short term-non recurring taking <7 days (eg a pumping test or hydrostatic test?)	Is taking less than 7 days and application accompanied by plan prepared by QP outlining monitoring, taking configuration (e.g. trenches, wellpoints), geotech assessment, steps to ensure no negative impacts.	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS.	N/A
GW	Is this application for a short term non-recurring takings 8 to 30 days (e.g. construction dewatering or dust suppression)	Is taking > 8 and < 30 days and for <400,000L/day, and application accompanied by plan prepared by QP outlining monitoring, taking configuration (e.g. trenches, wellpoints), geotech assessment, steps to ensure no negative impacts	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS.	Yes
SW/GW	GW takings which do not affect sw	QP signoff that gw taking does not impact sw	If yes, proceed. If no, application is	Schedules completed

			misclassified, return application with letter to applicant and initiate refund through IDS.	
SW	SW taking is not new reservoir/impoundment/pool and behind dam	SW taking is not for on-stream storage created by restricting flow or deepening/widening channel, taking may also fall under Land & Rivers Improvement Act	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS.	NA
SW	Is this an application for an 'interim' PTTW	a) Permit for an existing water taking where the Director had previously required upgrades/modifications to water taking facility and the short term PTTW would allow the applicant to continue to operate while improvements/studies are finalized. b) short term takings that remove water for a short time only and water is returned to a nearby point unchanged (no quality/quantity changes), i.e. cooling, hydrostatic testing, hydraulic lake dredging	If yes, proceed – Note that workplan timelines will be incorporated into PTTW conditions If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	Yes - Taking & Return
SW	Is this taking from the Great Lakes or connecting channel below the Great Lakes Charter Threshold	Is taking from Great Lakes or connecting channel <19,000,000L/day	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	NA
SW	Ponds/Small Lakes	Ponds that are not on-stream.	If yes, proceed.	NA

		not forming the headwaters of any watercourse >10ha in size - taking <1,000,000L/day no more than twice a week or if >twice a week, reference a supporting study	If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	
SW	SW takings from flowing systems with necessary assessments already completed	Takings proposed further too previous studies which may implement previously established controls (i.e. minimum instream flows)	If yes, proceed. Note that Application may include specific conditions to add to PTTW. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	N/A
SW	Takings NOT from intermittent, or 1st or 2nd order watercourses, or wetlands	Taking (extraction, or on-stream storage) is not from an intermittent or 1st or 2nd order watercourse or a wetland (confirm with GIS)	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	Taking & Return
SW	Takings from 3rd (or higher) order watercourses <5% of the 7Q20	Is the taking from a 3rd or higher order water course (check GIS), has QP confirmed taking <5% of 7Q20	If yes, proceed. If no, application is misclassified, return application with letter to applicant and initiate refund through IDS	N/A
All	High Use or Medium Use Watershed (S. 4)	On GIS, bring up high use watershed layer. Confirm location of taking with respect to High Use and Medium Use watershed for both summer low and average low flow.	Flag to the Director for special conditions.	Rideau Valley CA - Medium Use
All	Consumptive Use (S. 5)	Is this application for: Beverage manufacturing	It is exempt if · a renewal or less	Non-Consumptive

		Fruit or vegetable canning or pickling (but not washing) Ready-mix concrete (not portable) Aggregate processing (to form a slurry) Manufactured product where water is incorporated into product (not pulp and paper nor ethanol plants)	· application from a municipality · taking from a Great Lake, interconnecting channel, St. Lawrence R., Ottawa R. or Welland Canal If not exempt, is it in a high use watershed for average annual conditions? Reject – see draft letter. If not exempt, is it in a high use watershed for summer low flow? Proceed with restricting conditions ie. no taking in the summer (Aug 1 to Sept 11 of each year).	
All	Check for complaints	Look on IDS for complaints about this water taking location. Contact the EO or Water Inspector for the area and ask about reported complaints about the site.	Record and summarize any complaints for the Director's consideration.	New - Not Possible
All	Check for compliance with PTTW	Get the file and obtain the old permit. Check for conditions which require information to be collected and submitted.	If the applicant has complied with the conditions of the PTTW, proceed unless a report was required. If the applicant has not complied with the conditions of the	N/A

			PTTW, flag for the Director and refer to abatement by email. The Director will consider further action per SOP. If a study was required and submitted: if agricultural, send study for review; if not agricultural, return application with letter to applicant and initiate refund through IDS.	
All	Has the Qualified Person contacted any other agencies?	Check whether the Qualified Person has consulted with other agencies about the evaluation of the impact of this water taking on fisheries, biology of ecology.	Indicate this consultation for the Director to review.	ESR
All	Water Conservation	Is the taking a new taking or an increased taking? For new, increased or existing takings, is the taking: - in a high or medium use watershed and/or - in a watershed or parts of a watershed declared as a Level I, II or III, under the Ontario Low Water Response, for at least 2 years during the 5 years prior to when the water taking is to commence low water conditions (according ?	If yes to any one of the screening criteria, applicant is encouraged to submit information on water conservation practices undertaken or that to be undertaken for the duration of the permit according to the best management practices for their sector. PTTW Manual and Applicants' Guide list the information applicant should include and examples for where information is available. If none of the screening criteria apply, refer applicant to PTTW	Discharge to Ground Surface to promote infiltration.

	Does the water taking trigger the great Lakes Charter?	Manual and Applicant's Guide for information that could be submitted with application in response to question on water conservation.	
	Is the taking for a large municipal residential supply?		

Attachments:



Ministry of the Environment
Ministère de l'Environnement

PERMIT TO TAKE WATER

Surface and Ground Water
NUMBER 5102-7YLPHM

*Pursuant to Section 34 of the Ontario Water Resources Act, R.S.O. 1990 this Permit To
Take Water is hereby issued to:*

City of Ottawa
100 Constellation Crescent
Ottawa, Ontario
K2G 6J8
Canada

For the water taking from: Excavated Trenches, Thomas Gamble Drain

Located at: 980 Earl Armstrong Rd Lot 19, 20, 21 Concession 1& 2, Geographic
Township of Gloucester
Ottawa

*For the purposes of this Permit, and the terms and conditions specified below, the following
definitions apply:*

DEFINITIONS

- (a) "Director" means any person appointed in writing as a Director pursuant to section 5 of the OWRA for the purposes of section 34, OWRA.
- (b) "Provincial Officer" means any person designated in writing by the Minister as a Provincial

Officer pursuant to section 5 of the OWRA.

- (c) "Ministry" means Ontario Ministry of the Environment.
- (d) "District Office" means the Ottawa District Office.
- (e) "Permit" means this Permit to Take Water No. 5102-7YLPHM including its Schedules, if any, issued in accordance with Section 34 of the OWRA.
- (f) "Permit Holder" means City of Ottawa.
- (g) "OWRA " means the *Ontario Water Resources Act*, R.S.O. 1990, c. O. 40, as amended.

You are hereby notified that this Permit is issued subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Compliance with Permit

- 1.1 Except where modified by this Permit, the water taking shall be in accordance with the application for this Permit To Take Water, dated November 20, 2009 and signed by Rock Fortier, and all Schedules included in this Permit.
- 1.2 The Permit Holder shall ensure that any person authorized by the Permit Holder to take water under this Permit is provided with a copy of this Permit and shall take all reasonable measures to ensure that any such person complies with the conditions of this Permit.
- 1.3 Any person authorized by the Permit Holder to take water under this Permit shall comply with the conditions of this Permit.
- 1.4 This Permit is not transferable to another person.
- 1.5 This Permit provides the Permit Holder with permission to take water in accordance with the conditions of this Permit, up to the date of the expiry of this Permit. This Permit does not constitute a legal right, vested or otherwise, to a water allocation, and the issuance of this Permit does not guarantee that, upon its expiry, it will be renewed.
- 1.6 The Permit Holder shall keep this Permit available at all times at or near the site of the taking, and shall produce this Permit immediately for inspection by a Provincial Officer upon his or her request.
- 1.7 The Permit Holder shall report any changes of address to the Director within thirty days of any such change. The Permit Holder shall report any change of ownership of the property for which this Permit is issued within thirty days of any such change. A change in ownership in the property shall cause this Permit to be cancelled.

2. General Conditions and Interpretation

2.1 Inspections

The Permit Holder must forthwith, upon presentation of credentials, permit a Provincial Officer to carry out any and all inspections authorized by the OWRA, the *Environmental Protection Act*, R.S.O. 1990, the *Pesticides Act*, R.S.O. 1990, or the *Safe Drinking Water Act*, S. O. 2002.

2.2 Other Approvals

The issuance of, and compliance with this Permit, does not:

- (a) relieve the Permit Holder or any other person from any obligation to comply with any other applicable legal requirements, including the provisions of the *Ontario Water Resources Act* , and the *Environmental Protection Act* , and any regulations made thereunder; or
- (b) limit in any way any authority of the Ministry, a Director, or a Provincial Officer, including the authority to require certain steps be taken or to require the Permit Holder to furnish any further information related to this Permit.

2.3 Information

The receipt of any information by the Ministry, the failure of the Ministry to take any action or require any person to take any action in relation to the information, or the failure of a Provincial Officer to prosecute any person in relation to the information, shall not be construed as:

- (a) an approval, waiver or justification by the Ministry of any act or omission of any person that contravenes this Permit or other legal requirement; or
- (b) acceptance by the Ministry of the information's completeness or accuracy.

2.4 Rights of Action

The issuance of, and compliance with this Permit shall not be construed as precluding or limiting any legal claims or rights of action that any person, including the Crown in right of Ontario or any agency thereof, has or may have against the Permit Holder, its officers, employees, agents, and contractors.

2.5 Severability

The requirements of this Permit are severable. If any requirements of this Permit, or the application of any requirements of this Permit to any circumstance, is held invalid or unenforceable, the application of such requirements to other circumstances and the remainder of this Permit shall not be affected thereby.

2.6 Conflicts

Where there is a conflict between a provision of any submitted document referred to in this Permit, including its Schedules, and the conditions of this Permit, the conditions in this Permit shall take precedence.

3. Water Takings Authorized by This Permit

3.1 **Expiry**

This Permit expires on **December 11, 2010**. No water shall be taken under authority of this Permit after the expiry date.

3.2 Amounts of Taking Permitted

The Permit Holder shall only take water from the source, during the periods and at the rates and amounts of taking specified in Table A. Water takings are authorized only for the purposes specified in Table A.

Table A

	Source Name / Description:	Source: Type:	Taking Specific Purpose:	Taking Major Category:	Max. Taken per Minute (litres):	Max. Num. of Hrs Taken per Day:	Max. Taken per Day (litres):	Max. Num. of Days Taken per Year:	Zone/ Easting/ Northing:
1	Excavated Trenches	Pond Dugout	Construction	Dewatering Construction	900	7	399,600	30	18 446405 5013650
2	Thomas Gamble Drain	Stream	Construction	Dewatering Construction	3,785	24	5,450,400	30	18 446730 5012910
Total Taking:							5,850,000		

4. Monitoring

- 4.1 The Permit Holder shall maintain a record of all water takings. This record shall include the dates and times of water takings, the rates of pumping, and an estimated calculation of the total amounts of water pumped per day for each day that water is taken under the authorization of this Permit. A separate record shall be maintained for each source. The Permit Holder shall keep all required records up to date and available at or near the site of the taking and shall produce the records immediately for inspection by a Provincial Officer upon his or her request.

5. Impacts of the Water Taking

- 5.1 Notification

The Permit Holder shall immediately notify the local District Office of any complaint arising from the taking of water authorized under this Permit and shall report any action which has been taken or is proposed with regard to such complaint. The Permit Holder shall immediately notify the local District Office if the taking of water is observed to have any significant impact on the surrounding waters. After hours, calls shall be directed to the Ministry's Spills Action Centre at 1-800-268-6060.

5.2 For Surface-Water Takings

The taking of water (including the taking of water into storage and the subsequent or simultaneous withdrawal from storage) shall be carried out in such a manner that streamflow is not stopped and is not reduced to a rate that will cause interference with downstream uses of water or with the natural functions of the stream.

For Groundwater Takings

If the taking of water is observed to cause any negative impact to other water supplies obtained from any adequate sources that were in use prior to initial issuance of a Permit for this water taking, the Permit Holder shall take such action necessary to make available to those affected, a supply of water equivalent in quantity and quality to their normal takings, or shall compensate such persons for their reasonable costs of so doing, or shall reduce the rate and amount of taking to prevent or alleviate the observed negative impact. Pending permanent restoration of the affected supplies, the Permit Holder shall provide, to those affected, temporary water supplies adequate to meet their normal requirements, or shall compensate such persons for their reasonable costs of doing so.

If permanent interference is caused by the water taking, the Permit Holder shall restore the water supplies of those permanently affected.

- 5.3 The Permit Holder shall ensure that the water pumped from the base of the excavations are directed through a dewatering pit or similar sediment control feature. Discharge from the sediment control features shall be to a well vegetated area to promote infiltration prior to re-entering the stream.
- 5.4 The discharge of water shall be controlled in such a way as to avoid erosion and sedimentation in the discharge area or downstream watercourse. Flow volumes resulting from the combination of the discharge and any existing stream flow shall not physically alter stream channels or banks. A discharge diffuser shall be used if required to achieve these results.
- 5.5 Siltation control measures shall be installed at the discharge site(s) and shall be sufficient to control the volumes. Continuous care shall be taken to properly maintain the siltation control devices.
- 5.6 The Permit Holder shall ensure that there is no discharge of turbid water to any watercourse.

- 5.7 For all discharges of water to the ground surface and/or a watercourse, the Permit Holder shall regulate the rate of discharge such that there is no scouring, erosion or flooding in the receiving area or water body, downstream water bodies, ditches or properties.
- 5.8 The Permit Holder shall ensure that any discharge facilities installed at or downstream of the discharge point(s) such as settlement ponds, silt bags, flow checks or filters are designed, constructed, and maintained to capture and treat the discharge water for suspended solids prior to release to any watercourse.

6. Director May Amend Permit

The Director may amend this Permit by letter requiring the Permit Holder to suspend or reduce the taking to an amount or threshold specified by the Director in the letter. The suspension or reduction in taking shall be effective immediately and may be revoked at any time upon notification by the Director. This condition does not affect your right to appeal the suspension or reduction in taking to the Environmental Review Tribunal under the *Ontario Water Resources Act*, Section 100 (4).

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is included to ensure that the conditions in this Permit are complied with and can be enforced.
2. Condition 2 is included to clarify the legal interpretation of aspects of this Permit.
3. Conditions 3 through 6 are included to protect the quality of the natural environment so as to safeguard the ecosystem and human health and foster efficient use and conservation of waters. These conditions allow for the beneficial use of waters while ensuring the fair sharing, conservation and sustainable use of the waters of Ontario. The conditions also specify the water takings that are authorized by this Permit and the scope of this Permit.

*In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, you may by written notice served upon me, the Environmental Review Tribunal and the Environmental Commissioner, **Environmental Bill of Rights**, R.S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, as amended provides that the Notice requiring a hearing shall state:*

1. The portions of the Permit or each term or condition in the Permit in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

In addition to these legal requirements, the Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Permit to Take Water number;
6. The date of the Permit to Take Water;
7. The name of the Director;
8. The municipality within which the works are located;

This notice must be served upon:

*The Secretary
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto ON
MSG 1E5*

AND

*The Environmental Commissioner
1075 Bay Street
6th Floor, Suite 605
Toronto, Ontario M5S 2W5*

AND

*The Director, Section 34
Ministry of the Environment
14th Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416)314-6396*

Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal:

by telephone at (416) 314-4600

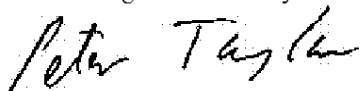
by fax at (416) 314-4506

by e-mail at www.ert.gov.on.ca

*This instrument is subject to Section 38 of the **Environmental Bill of Rights** that allows residents of*

Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek to appeal for 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, you can determine when the leave to appeal period ends.

Dated at Kingston this 8th day of January, 2010.

A handwritten signature in black ink, appearing to read "Peter Taylor". The signature is written in a cursive, flowing style.

Peter Taylor

Director, Section 34

Ontario Water Resources Act , R.S.O. 1990

Schedule A

This Schedule "A" forms part of Permit To Take Water 5102-7YLPHM, dated January 8, 2010.

Ministry of the Environment

Operations Division
Assistant Deputy Minister's Office
1259 Gardiners Rd, PO Box 22032
Kingston, ON
K7P 3J6
Tel: (613) 549-4000

Ministère de l'Environnement

Division des opérations
Secteur du Soutien Technique
Ressource en eau
1259 Chemin Gardiners, CP 22032
Kingston, ON
K7P 3J6
Tél: (613) 549-4000



January 8, 2010

City of Ottawa
100 Constellation Crescent
Ottawa, Ontario
K2G 6J8
Canada

Dear Mr. Fortier:

RE: Permit To Take Water 5102-7YLPHM
980 Earl Armstrong Road
Lot 19, 20, 21, Concession 1 & 2
Geographic Township of Gloucester
Ottawa
Reference Number 1613-7YANR8

Please find attached Permit To Take Water 5102-7YLPHM which authorizes the withdrawal of water in accordance with the application for this Permit To Take Water, dated November 20, 2009 and signed by Rock Fortier.

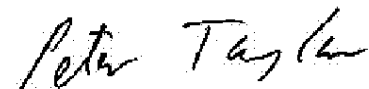
Please note the attached Permit expires on December 11, 2010.

The Water Taking and Transfer Regulation, O. Reg. 387/04 came into effect on January 1, 2005. It requires that permit holders track the volume of water they take daily and report these volumes to the Ministry the following year. Please ensure that you inform yourself of the monitoring and reporting requirements related to your permit. You can find additional

information on the MOE web site at www.ene.gov.on.ca or by calling the nearest MOE office.

Take notice that in issuing this Permit To Take Water, terms and conditions pertaining to the taking of water and to the results of the taking have been imposed. The terms and conditions have been designed to allow for the development of water resources, while providing reasonable protection to existing water uses and users.

Yours truly,



Peter Taylor
Director, Section 34, Ontario Water Resources Act, R.S.O. 1990
Operations Division

File Storage Number: P 5102 OTT

c: Andrew Chevrier, Houle Chevrier Engineering Ltd., Via Facsimile: (613) 836-9731

bc: Ottawa District Office



Ministry of the Environment
Ministère de l'Environnement

PERMIT TO TAKE WATER TECHNICAL REVIEW

Reference No: 1613-7YANR8
Created by: Shawn Kinney

Client:

City of Ottawa
Client Number: 9858-7BMTJM
100 Constellation Cres
Ottawa, Ontario, K2G 6J8
Canada

Site:

980 Earl Armstrong Road
980 Earl Armstrong Rd Lot 19, 20, 21 Concession
1& 2, Geographic Township of Gloucester
Ottawa
NA
Concession: NA
Plan: NA

Application Technically Complete? ☒ Yes ☐ No

More Technical Information Requested?: ☐ Yes ☒ No

Information Reviewed (list all):

- PTTW File No.new file
- Water Resources Section File No.
- Application and Supporting Information (describe):
"Description of Water Taking Activities, Permit To Take Water, Earl Armstrong Road
Widening, Ottawa Ontario" Houle Chevrier Engineering, November 17 2009
-

Related Review Issues:	
Other Relevant Approvals:	
Is Proposal subject to <i>Environmental Assessment Act</i> ?	☒ Yes ☐ No If yes, is EA process completed? ☒ Yes ☐ No Are relevant EA recommendations incorporated into PTTW conditions? ☐ Yes ☐ No
Is Application for Bottled Water?	☐ Yes ☒ No If yes, was ADM briefing note sent? ☐ Yes ☐ No
Bulk Water Taking?	☐ Yes ☒ No If greater than 20L container transfer out of watershed, reject application (O. Reg 387/04).

Reviewer Consultation:	
with Municipality?	☐ Yes ☒ No
with First Nations?	☐ Yes ☒ No
with Conservation Authority?	☐ Yes ☒ No
with DFO?	☐ Yes ☒ No
with MOE District Office (complaints)	☐ Yes ☒ No
with MNR?	☐ Yes ☒ No
Consultation Details: EA and public presentations	

Permit Technical Evaluation

Assess ComplexityEvaluate Risk for Impact:

negligible

Boundary Assessment:Extent of Impacts Anticipated:

localized to excavation

Assess Potential Effects on other Users (Interference):Indications of past interference from this taking? ☐ Yes ☒ No

Potential effects assessed as negligible

Assess Potential Effects on the Environment:Surface Water:

Taking from Thomas Gable drain of maximum 5, 450, 400 litres per day is proposed. Review by a surface water reviewer is recommended.

Groundwater:

Negligible

Review and Consider EBR Comments:

None Received

General Comments:

No groundwater concerns. Larger surface water taking may be a concern and should be evaluated.

☒ Recommend Approval with Conditions☐ Recommend Application be Denied

Attachments:

Application for Certificate of Approval of Municipal and Private Sewage Works

Revoked and Replaced

Client Information
Site Information
Project Technical Info Contact
Project Information

Instrument Information/Tracking
Supporting Information Checklist
Application Fees
Fees Tracking

EBR Requirements
EBR Tracking
EAA Requirements
Signatures

FA Document
Approved Certificate
Related Documents

APPLICATION SUMMARY

Work Unit: Registration/Application Assessment

Status	Revoked and/or Replaced	Assigned				
IDS Reference #	3244-A6CPHG	File # 0035				
C of A #	0166-ACPSEZ					
Application Type	New Certificate of Approval					
Client Name	Riverside South Development Corp.	Client # 8501-6MWRSN				
Client Aliases						
Site Name	Part of 980 Earl Armstrong Road	Site # 3397-A6CPFN				
NAICS Code	-					
Project Name	SWM on Lot 21, Concession 1 (Part of 980 Earl Armstrong Road)					
Technical Reviewer	Livia Wei					
Assigned	2016/07/22					
Last Action	Revoked and/or Replaced	By Gregory Zimmer				
<table border="1"> <tr> <td>Document Links and Comments:</td> <td>Insert Comments Here</td> </tr> <tr> <td>Attachment Names:</td> <td></td> </tr> </table>			Document Links and Comments:	Insert Comments Here	Attachment Names:	
Document Links and Comments:	Insert Comments Here					
Attachment Names:						
Information Requests	Please click button--->	Initiated by Client				
Supplementary Reviews	Please click button--->					
Age	217 days					



**Ministry of the Environment and
Climate Change**
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone:

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**
Division des Opérations
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Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone :



August 11, 2016

MEMORANDUM

To:

From: Livia Wei
Review Engineer Air/Water
Environmental Assessment and Approvals Branch

RE: SWM on Lot 21, Concession 1 (Part of 980 Earl Armstrong Road)
Riverside South Development Corp.
3244-A6CPHG
Ottawa

This review gives due consideration to the principles of environmental protection, as outlined in the Ministry of the Environment Statement of Environmental Values (SEV), listed below, taking into account the specific guiding principles directly related to the scope of the proposed project and the regulatory responsibility of the Ministry under section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices.

Principles of Environmental Management

The Ministry of the Environment and Climate Change has developed its water quality programs with the goal of ensuring that the waters of the province are protected and are of a quality that sustains aquatic life, supports ongoing recreational activities and protects drinking water sources for current and future generations.

The amount and quality of surface water are closely related and both important to a healthy ecosystem. The amount of water and what's in it are important to the overall health of our water systems. Groundwater is not only an important source of drinking water for many communities; it also acts as an essential source of streamflow in our waterways.

The protection of our ecosystem is the overarching goal of the Provincial Water Quality Objectives (PWQO). These criteria describe what the water quality needs to be to support a healthy population of aquatic life and protect human uses of surface water in the province. These criteria are what the ministry considers when reviewing applications for discharge of effluent into the environment in Ontario.

The PWQO represent good water quality for surface water such as lakes, rivers and streams which are the bodies that receive effluent from wastewater facilities. The PWQO criteria are set to be protective of all of the aquatic life throughout their lives. The PWQO also considers other users of surface water bodies such as recreational uses and has criteria based on public health and aesthetic considerations.

Before the effluent requirements are specified in an Environmental Compliance Approval, ministry staff used a science-based approach to review the impact of the proposed treatment technology and the effluent that will result from the use of the proposed technology on the receiving water body.

This application provided information on the facility, treatment levels and the sewage quantity and quality which met ministry requirements. The ministry has also considered the impacts of the work described in this application on ecosystem components such as the air, land and living organisms (including interactions) during the course of its review and considers this undertaking to be acceptable.

Stormwater

Stormwater management is required to mitigate the effects of urbanization on the water system. Impacts from stormwater include increased runoff and decreased infiltration to groundwater of rain and snowmelt. Reduced baseflow for surface waters, degradation of water quality, increased flooding and erosion can occur if stormwater is not managed properly. These impacts can have a harmful effect on aquatic life, modify how we can use of waterways (e.g. as drinking water sources, recreational uses) and cause loss of property and human life.

There are a range of tools that can be used to maintain the water cycle, protect water quality, prevent erosion and prevent flooding from stormwater. Some of the tools or systems that may be used include lot level, conveyance, and end-of-pipe stormwater management practices.

The ministry review for stormwater management works includes a review of information in the application such as the range of flows expected from the site, target flow rates, land use restrictions, the infiltration rates and the general make-up of the site and its surrounding environment. The application will describe how the proponent proposes to mitigate stormwater impact. The ministry's review considers how the resulting effluent after mitigation will impact the receiving waterbody including impacts to the waterbody's users and aquatic life.

The stormwater assessment provided in the application considered the impacts from a 100-year or regional storm providing adequate assurance of the ability of these works to meet ministry performance requirements. Technologies have been put in place to meet the water quality objectives determined for the development to protect the environment in concert with the municipal authority and/or the conservation authority and others having responsibility for the development under the Planning Act.

Source Water Protection

Source Protection Plans include policies designed to minimize the impact that human and natural activities may have on the quality and quantity of drinking water. The Environmental Compliance Approval is part of a multi-barrier approach to protect drinking water sources.

This ECA application has been reviewed to determine whether a source protection plan prescribed instrument policy applies to the activities proposed in the application.

A source protection prescribed instrument policy may prohibit an activity or require MOECC to ensure that the instrument contains terms and conditions which would ensure that any threat activities would not become significant drinking water threats.

Conditions

The conditions imposed through the Environmental Compliance Approval will further safeguard Ontario's environment by requiring that the owner/operator maintain their operations, report any non-compliance and take immediate action to safeguard the environment should it be required. The conditions also include testing, monitoring and reporting requirements to maintain transparency to members of the public.

Principles of Pollution Reduction / Environmental Restoration

The terms and conditions of all Environmental Compliance Approvals are designed to prevent pollution and minimize the creation of pollutants that adversely affect the environment. Where spills or inadvertent release of contaminants occurs the ministry is committed to the polluter pays principle. The ministry has a number of tools in order to ensure the cost of cleanup and rehabilitation of the environment is borne by the perpetrator in these instances.

The ECA sets out legally enforceable rules of operation. These rules are designed to protect the environment from emissions of contaminants, discharges and wastes produced by operations in Ontario. The review of this application includes an assessment of how the proposed works and operations have been built to prevent spills and environmental harm.

This project, if completed as proposed in this application, has been assessed to adequately safeguard the environment and has a low risk of causing environmental harm.

The ministry's environmental compliance and abatement programs have a range of tools for the remediation of any adverse effects in the event of a spill.

Principles of Strategic Management

The facility and its operations are required to meet all the requirements of the ministry's regulations and the conditions of this approval. The conditions for this Environmental Compliance Approval were selected for this project based on site-specific impacts expected from these works. The Ministry of the Environment and Climate Change reviews its requirements to ensure they remain protective of the environment.

The ministry has used a range of tools to encourage environmental protection and sustainability through its many programs that are reflected in this Environmental Compliance Approval.

Municipalities

The Ministry of Municipal Affairs and Housing has a Statement of Environmental Values that it applies to decisions it makes that significantly affect the environment and as it develops acts, regulations and policies. The Ministry of Municipal Affairs and Housing's Statement of Environmental Values includes building safe and strong communities that protects greenspace. The planning framework that formed the decisions made at the local government were developed with consideration to these principles.

The process to develop new infrastructure also goes through municipal planning processes. During the planning phase, the municipality considers the impacts of proposed works to surrounding users against the needs of the community for increased capacity. The municipality also considers the location or siting of facilities that discharge into the natural environment during its processes.

Opportunities for Consultation

The ministry is committed to transparency and ongoing engagement with the public during its environmental decision-making process. The proposal for this project underwent public and agency consultation under the Planning Act.

Conservation Authority

Due to the area of discharge, the applicant was not required to consult with the local Conservation Authority and receive clearance for their works.

Livia Wei
Review Engineer Air/Water

Ministry of the Environment and
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Téléphone :



August 9, 2016

Mary Jarvis, VP, Land Development
Riverside South Development Corp.
2193 Arch St
Ottawa, Ontario
K1G 2H5

Dear Sir/Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
SWM on Lot 21, Concession 1 (Part of 980 Earl Armstrong Road)
Ottawa City
Reference Number 3244-A6CPHG**

I have undertaken a detailed technical review of your above-noted application dated November 25, 2015 for the approval of:

This proposal is for a new Environmental Compliance Approval from Riverside South Development Corp., for Stormwater Management (SWM) Works including catchbasin inlet control devices, roadway sags storage, three (3) dry ponds, discharging to the existing sewers with restricted release rates. located on Lot 21, Concession 1 (Part of 980 Earl Armstrong Road) in the City of Ottawa.

In the process of review, I have determined that the following additional information is necessary for me to be able to complete my assessment of your proposal:

- Please identify the level of stormwater quality control required for phase 8 of Riverside South Community development and demonstrate how the water quality control and erosion protection criteria will be achieved.

Please be advised that should we not receive the above information/documentation by August 24, 2016, we will consider your application to be withdrawn, and close your file accordingly. The submitted fee would then be refunded in the amount reduced by any applicable non-refundable fee and any additional cost incurred by the Ministry in the review of your application to date which would be determined at that time.

If you have any further questions, please contact me at the above phone number.

Yours truly,

Livia Wei
Review Engineer Air/Water

c: District Manager, MOECC Ottawa
Lucie Dalrymple, J. L. Richards & Associates Limited, ldalrymple@jlrichards.ca

ENGINEERING ASSESSMENT

Reference No.:	3244-A6CPHG
Company Name:	Riverside South Development Corp.
Reviewer:	Livia Wei

Technical Evaluation

Proponent: Riverside South Development Corp.

Proposal

A private sewage works serving Phase 8 and part of Phase 13 of the Riverside South Community, and temporary off-site ditch/swale, located south of Earl Armstrong Road, east of Spratt Road, within Rideau River watershed, in the City of Ottawa.

The site will have on-site stormwater quantity control which includes roadway sags ponding, and three dry ponds, for attenuating 100-year storm return to the allowable release rates, and temporary off-site ditch/swale to intercept and convey run-off from the undeveloped land south of Phase 8.

The stormwater will discharge to the city's storm system on Spratt Road with discharge rate of 4366 L/s, and on Shoreline Drive with with a discharge rate of 1021 L/s.

Two private ponds: one on-site storage of 333 m³ in Block 211 with inlet capture rate of 79 L/s and one on-site storage of 420 m³ in Block 212 with inlet capture rate of 70 L/s will be proposed in the Site Plan stage.

The run-off from Woodlot is to be conveyed overland to the municipal drain and park and ride area is to be self-contained.

Forty-three (44) roadway sags with catchbasin inlet control devices, having a total available storage volume of approximately 1,520 m³ with ponding depths ranging from 0.15 m and 0.3 m before spill to next road section;

Three dry ponds: one dry pond 4-P at Block 178 (inlet capture rate of 27 L/s), one dry pond 1-P (inlet capture rate of 12 L/s) at Block 230, one dry pond 2-P (inlet capture rate of 15 L/s) at Block 217

an outlet control device to be installed on the existing roadside ditch, along east side of Spratt Road, south of Cambie Road, having a maximum depth of approximately 1.35 m, discharging to the existing

storm sewer system located on Spratt Road, allowing a maximum release rate of 1255 L/s under the 100-year storm event

530 m temporary swale along north side of future residential site, south of Phase 8 boundary, having a total available storage of approximately 1750 m³, a maximum depth of approximately 1 m, equipped with five (5) outlet control devices, discharging to the on-site storm sewer system located on Serenade Crescent, Dreamcatcher Place and Cambie Road, allowing a total maximum release rate of 1767 L/s under the 100-year storm event;

An existing 2400 mm diameter storm sewer stub located on Spratt Road and an existing 1350 mm diameter storm sewer stub on Ralph Hennessy Avenue (Shoreline Drive extension). Both storm sewer systems ultimately outlet to the existing Stormwater Management Facility (Pond1) which will provide quality control.

The assessment was based on the following information:

1. Application for Environmental Compliance Approval for Municipal and Private Sewage Works, dated November 25, 2015 and received on January 19, 2016,
2. Site Servicing Report, Riverside South Development Corporation, Riverside South Phase 9, Part of 980 Earl Armstrong Road, City of Ottawa, dated February, 2015, revised August 2015, revised October 2015, revised November 2015, prepared by J.L. Richards & Associates Limited.
3. Engineering Drawings: Engineering Drawings, stamped and dated November 27, 2015, prepared by J.L. Richards & Associates Limited.
4. Emails from Ivan Dzeperoski, J.L. Richards & Associates Limited, dated August 9 and August 11, 2016, including all supporting information.
5. Emails from Natasha Baird, City of Ottawa, dated August 18, 2016, including all supporting information.
6. Emails from Julie White, J.L. Richards & Associates Limited, dated August 22 and 23, 2016, including all supporting information

Supplementary Review Comments

Charlie Primeau from the Ottawa office CP - proposed SWM notes that some of runoff:

- to be conveyed overland to municipal drain: has a review been completed by municipal drain engineer confirming that municipal drain can accept additional flow? will work on municipal drain be required? who will pay for the work?
- the Master Drainage Plan Update (currently underway?????) will investigate options for meeting water quality control criteria: should we not know what are the criterias first?, are they only going to investigate options? will the force preferred options to proponents? under who's authority will these options be enforced?

The consultant confirmed that a catchment area of 0.24 ha beside tributary 10 will be conveyed to tributary 10, a catchment area 0.09 ha at northeast corner of the phase 8 site will be conveyed to Earl Armstrong road, a catchment area of 0.39 ha will be conveyed existing Woodlot. An email from consultant indicated that City of Ottawa Municipal Drain Works department (David Ryan) have no major concerns regarding the proposed Phase 8 subdivision design.

An email from City of Ottawa confirmed that the pond 1 should be able to handle the increased average imperviousness for TSS removal criterion of 80%

Engineering Assessment

Based on the application documents and the additional information submitted by the applicant and technical contact, the following assessment and verification was completed:

- Fees: Application fees submitted for the works (\$2,200).
- Priority File: No
- Receiving Water Body: existing storm sewers on Spratt Road and Shoreline Drive
- Municipality Sign-off: by Charles Warnock, Program Manager, City of Ottawa
- Environmental Bill of Rights (EBR) – Not a prescribed instrument under the EBR
- Environmental Assessment Act: Listed as Municipal Class EA Schedule A+
- Conservation Authority Comments:n/a, discharge to the existing storm sewers
- Engineering Design Responsibility: J.L. Ricahrds & Associates Limited
- Responsibility for Operation: Applicant (Riverside South Development Corp.)

Design Criteria

Allowable release rates are 6000 L/s at Spratt Road and 1,037 L/s at Shoreline Drive based on the maximum 1:5 year allowable release rate that was development as part of the 2015 Interim Memos for both phase 8 and phase 13.

3 hour 1:100 year Chicago storm event was used to calculate the stormwater runoff.

Quality Control

The consultant indicated that water quality control from phase 8 water quality control will be provided by a pond (Pond 1) which was designed predates the Ministry SWMD manual. 2015 Interim Memos indicated that Riverside Pond 1 was designed and constructed prior to MOE's manual, if the 2003 MOE manual quedeline are applied, then the facility does not appear to be suitably sized. however, water quality data obtained from the City of ottawa demonstrates that the effective TSS removal achieved by the existing facility has been exceeding 90% in recent years.

an email from City of Ottawa confirmed that the pond should be able to handle the increased average imperviousness for TSS removal criterion of 80%

Quantity Control

The total allowable minor system capture rates from phase 8 are to be Control post-development flows from the entire site to the equivalent maximum allowable 1:5 year and 1:100 year pre-development release rates.

3 hour 1:100 year Chicago storm event was used to calculate the stormwater runoff.

quantity control criteria:

Phase	Spratt Road Outlet		Shoreline Drive Outlet	
	Contributing Drainage Area (ha)	Inlet Capture Rate (L/s)	Contributing Drainage Area (ha)	Inlet Capture Rate (L/s)
Phase 8	14.27	1,317	11.68	994
Phase 13	43.25	4,486	N.A	N.A
Dry Pond 1-P	N.A	N.A	0.25	12
Dry Pond 2-P	N.A	N.A	0.28	15
Dry Pond 3-P	0.29	31	N.A	N.A
Dry Pond 4-P	0.44	27	N.A	N.A
Total	58.25	5,861	12.21	1,021

Post-development flow:

Spratt Road Maximum Release Rate (Interim Condition – Prior to development of Phase 13):

Area	Inlet Capture Rate (L/s)
Phase 8	1,317
Dry Pond 4-P	27
Undeveloped Lands (Future Phase 13)	3,022
Total	4,366 L/s

Shoreline Drive Maximum Release Rate (Interim Condition – Prior to Development of Phase 13):

Area	Inlet Capture Rate (L/s)
Phase 8	994
Dry Pond 1-P	12
Dry Pond 2-P	15
Total	1,021 L/s

roadway sag storage is proposed in 44 areas of the sites, controlled by inlet control devices in the catchbasins of the on-site storm sewer network.

The following table demonstrates the proposed surface storage meets applicable minimum MOE design criteria

MOE Stormwater Management Guidance 2003	Guidance	Design
Ponding Depth	Max 350 mm.	300 mm static, 350 mm static + dynamic except 360 mm at street 1
Grading	0.5% to 5%	2%
Emergency Overflow	Sewers, swales or roadway system	goes to next roadway downstream
Ponding Locations	Away from buildings within site	Yes

on-site storage of 333 m³ in Block 211 with inlet capture rate of 79 L/s and on-site storage of 420 m³ in Block 212 with inlet capture rate of 70 L/s. these two private ponds will be designed at the Site Plan stage for the approval

the proposed three (3) dry ponds will be used for attenuation, not for any quality control. therefore, the MOE design criteria does not apply.

Dry Pond No.	drainage area (ha)	storage volume (m ³)	Maximum release rate (L/s)
1-P	2.95	1030	15
2-P	13.84	927	21
4-P	22.44	2864	27

Ponds will overflow to the street for storms exceeding the available storage.

In the interim and before build-out conditions are reached, the simulated 1:100 year peak flow of 3,022 L/s generated from the lands south of Phase 8 (future Phase 13 lands) will be captured by the temporary swale/roadside ditch which has been designed to intercept and convey runoff from the undeveloped lands to six ditch inlet catch basins, These DICBs are equipped with individual inlet control devices to ensure the captured flows do not exceed the inlet capture rate generated by Phase 13 under build-out conditions (4,486 L/s + 31 L/s = 4,517 L/s) as stated in the above table.

Erosion/Sedimentation Control

The standard Condition regarding temporary erosion and sediment control has been included in this Approval.

Source Protection

This application has been screened using the Source Protection Information and Policy Search Tool and it was determined that the activity is not considered a significant drinking water threat and no source protection policies apply.

Recommendations

Based on the above assessment and the documentation submitted by the client, the proposed project is recommended for approval.

The purpose of the preceding review is to provide advice to the Ministry of the Environment regarding section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices for the proposed project based on the information provided in the above referenced documents. The conclusions, opinions and recommendations of the reviewer are based on information provided by others, except where otherwise specifically noted. The Ministry cannot guarantee that the information that has been provided by others is accurate or complete.

This review also gives due consideration to the principles of environmental protection, as outlined in the Ministry of the Environment Statement of Environmental Values (SEV), taking into account the specific guiding principles directly related to the scope of the proposed project and the regulatory responsibility of the Ministry under section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices.

Document Links and Comments:	Insert Comments Here
Attachment Names:	ATTAH02C.msg; FW MOE request for information - Municipal Drain (Reference Number 3244-A6CPHG).msg; FW MOR Reference Number 3244-A6CPHG.msg

Ministry of the Environment and
Climate Change
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (416) 212-3680

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 212-3680



January 26, 2016

Mary Jarvis, VP, Land Development
Riverside South Development Corp.
2193 Arch St
Ottawa, Ontario
K1G 2H5

Dear Sir/Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
SWM on Part of 980 Earl Armstrong Road (Part of Lot 21, Concession 1)
City of Ottawa, Ontario
Reference Number 3244-A6CPHG**

We acknowledge receipt of your application for approval dated November 25, 2015 and received on January 19, 2016, and an application fee in the amount of \$2200.00 for the following:

Approval Type: Municipal and Private Sewage Works

Project Description: This proposal is for a new Environmental Compliance Approval from Riverside South Development Corp., for Stormwater Management (SWM) Works on Part of 980 Earl Armstrong Road (Part of Lot 21, Concession 1) in the City of Ottawa.

Site Location: Part of 980 Earl Armstrong Road
Part of Lot 21, Concession 1
City of Ottawa

The Ministry's reference number for your application is 3244-A6CPHG. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Ali Fayyaz Karim
Application Assessment Officer

c: District Manager, MOECC Ottawa
Lucie Dalrymple, J. L. Richards & Associates Limited



Dynamic Completeness Assessment Tool: Version 5.11b

Results

					10th	50th	90th
General	175 out of 175 = 100%				10%	50%	90%
Air	0 out of 0 =				10%	50%	90%
Noise	0 out of 0 =				10%	50%	90%
Waste							
Wastewater	143 out of 143 = 100%				10%	50%	90%

Please print this page and put it in the physical file.



RED: Return the application



YELLOW: Flag for reviewer, request additional info and pass the file

Sign-Off

Signed by: *Ali Fayyaz Karim*

Complete moderate quality application, passed to Queue

Date: 26 January, 2016

COMMENTS:

General Section

175 out of 175 100%

ECA Reference Number:	3244-A6CPHG
Company:	Riverside South Development Corp.
Date Received:	January 19, 2016
Date Screening Started:	January 25, 2016
Time for Screening:	4 hours

382	175	175

Required Documentation	
Type of application:	New

Media Types (check all that apply)

- ☐ Air (Technical Information Part A)
- ☐ Noise and/or Vibration (Technical Information Part B)
- ☒ Wastewater (Technical Information Part C)
- ☐ Waste Disposal Site (Technical Information Part D)
- ☐ Mobile Waste Processing (Technical Information Part E)
- ☐ Waste Management System (Technical Information Part F)
- ☐ Cleanup of Contaminated Sites (Technical Information Part G)

Required Documentation	Quality	Yes, No, N/A	Comments
Was an application form submitted?	40	Yes	
Is the application form signed and dated?	10	Yes	
Is the Technical contact identified and signed?	10	Yes	
If this application relates to an Order, has it been attached?	10	N/A	
Was an electronic copy of the submission received?	5	Yes	
Proof of Legal Name and Type of Applicant			
Type of applicant:			
Was the appropriate proof of legal name submitted?	10	Yes	
Fee			
Yes Is a fee required?			
Was a fee submitted?	40	Yes	
Is the submitted fee correct?	20	Yes	
Project Information			
Executive Summary, as per Reg. 255	20	Yes	
Detailed Project Description, as per Reg. 255 (General)			
1 A general description of the undertaking.	10	Yes	
2 A description of all processes including any waste treatment, sewage treatment or emission control processes that the activity will be part of and a process flow diagram or schematic diagram showing those processes. (process flow/schematic diagram N/A for wastewater)	10	Yes	
3 A description of the activity, including, in the case of an activity that is the use or operation of something. (N/A for wastewater)	5	N/A	
i a description of the days and hours that the activity will be engaged in, and	5	N/A	
ii a description of operational parameters related to the activity, such as maximum rates of production, process limits, performance limits and parameters relating to equipment and infrastructure.	5	N/A	

40	40	40
10	10	10
10	10	10
10	0	0
5	5	5

10	10	10

40	40	40
20	20	20

20	20	20

10	10	10
10	10	10
5	0	0
5	0	0
5	0	0

Environmental Assessment Act			
Yes	Is it subject to EA?		
Has the applicant considered its Environmental Assessment Act (EAA) requirements?			
1	For a completed Individual EA, has a copy of the Notice of Approval been included	20	N/A
2	For a completed Class EA process (Schedule B and C only), has a copy of the Notice of Completion been included	20	N/A
3	If Part II Order request(s) were received for the undertaking, has a copy of the Director's or Minister's decision been included together with the name of the requestor and date of the request?	10	N/A
4	For a completed Environmental Screening Process, has a copy of the proof of completion been included	20	N/A
5	If Elevation request(s) were received for the undertaking, has a copy of the Director's decision been included	10	N/A
EBR			
No	Is the proposal subject to EBR?		
If exempt, has the reason and supporting information been provided		10	N/A
Consultation / Notification			
No	Was there preconsultation with Ministry Staff?		
No	Was there consultation with the public? (N/A for wastewater)		
No	Was there consultation with First Nations & Métis?		
Site Information			
No	Does the NEPDA or the ORMCA apply to the Site?		
Land Owner, contact information and signed letter of consent to install and operate		10	N/A
Operating Authority name, contact information		10	N/A
Source Protection			
No	Is the proposed activity located in vulnerable area identified in the source protection interactive mapping tool?		
Financial Assurance (FA) Calculation			
No	Is the application subject to Financial Assurance requirements? (N/A for air, noise & wastewater)		

20	0	0
20	0	0
10	0	0
20	0	0
10	0	0

10	0	0

10	0	0
10	0	0

Air Section

0 out of 0

Required Documentation	Quality	Yes, No, N/A	Comments
EASR Eligibility			
☐ Is the activity or activities EASR eligible			
☐ Was a request for a 20(18) submitted			
District Office Concerns			
Have any concerns, comments or recommendations been provided?		☐	
Regulation 419 Compliance Requirements			
Enter North American Industry Classification (NAIC) Code			
Is this a schedule 4 or Schedule 5?			
Which Reg. 419 instruments have been identified in the application (as referred to in section 5.1.3 of the ECA application form)			
☐ Speed up Request			
☐ Modelling Request 7(1)			
☐ Met Data Request 13(1)			
☐ Technical Standard for some contaminants			
☐ Technical Standard for ALL Contaminants			
☐ Site Specific Standard			
☐ Is same structure contamination applicable and addressed			
☐ Other			
Applicable Compliance Point			
This application is eligible for Schedule 3 Standards Only			
Applicable Dispersion Modelling			
Must use AERMOD or Screen 3 to assess offsite PDI impacts			
Must use standard modelling data set			
ESDM Report			
ESDM Checklist, signed & dated by applicant & technical contact	20	☐	
Introduction and Facility Description			
The Facility Description should be provided in adequate detail to select and justify appropriate facility operating conditions	1	☐	
Facility Production Limit, Limited Operational Flexibility approvals only	1	☐	
Process flow diagram in accordance with facility description and process flow diagram	1	☐	
Operating schedule provided	1	☐	
Executive Summary			
Overview of the ESDM report and Emissions Summary Table	2	☐	

Initial Identification of Sources and Contaminants & Assessment of the Significance of Sources & Contaminants			
Has a Sources & Contaminants Identification Table been provided?			
1	Source Description or Title	4	
2	General Location	4	
3	Contaminants	4	
4	Significant (Yes or No)	4	
Has the applicant considered if the project is subject to:			
1	an odour assessment	4	
2	Fugitive dust assessment in accordance with Guideline A-10	4	
Details of proposed air pollution control equipment:			
1	pollution control equipment	4	
2	description of emission sources controlled	4	
3	technical specification of pollution control equipment	4	
4	equipment performance (e.g. supplier guarantee, control efficiency, etc.)	4	
Concerns about odour and no technical information on odour			
Operating Conditions, Emission rate estimating and Data Quality			
For each contaminant, description of the facility operating condition(s)		4	
Detailed sample calculations provided		4	
Source Summary Table			
Source summary table provided in accordance with section 26(1) of O. Reg. 419			
1	Source Identifier	2	
1	Source Description	2	
2	Stack Volumetric Flow Rate (m³/s)	2	
3	Stack Exit Gas Temperature (°C)	2	
4	Stack Inner Diameter (m)	2	
	Stack Height Above Grade (m)	2	
1	Stack Height Above Roof (m)	2	
2	Source Coordinates (x,y) (m)	2	
3	Contaminant	2	
4	Contaminant CAS (Chemical Abstracts Service) #	2	
5	Maximum Emission Rate (g/s)	2	
6	Averaging Period (hours)	2	
7	Emission Estimating Technique	2	
8	Emissions Data Quality	2	
9	% of Overall Emissions	2	
Minimum Site Plan requirements provided in accordance with section 26(1) of O. Reg. 419 and as per Reg. 265:			
Boundary of the site of the activity, including geographic coordinates		2	
Locations of buildings, structures, roads, railway tracks, utility corridors, paved areas, bermed areas, site fencing and pollution control devices.		2	
Boundary of Lake Simcoe watershed, Niagara Escarpment Planning Area, Oak Ridges Moraine Area or Protected Countryside that is within 125 metres of the site		2	
North Arrow		2	
Drawing to Scale with Scale noted		2	
Drawing is big enough to read		10	
Legend		2	
Fully labelled, measurements/dimensions expressed in metric value		5	
Additional site plan details: location of any plant, structure, equipment, apparatus, mechanism or thing that may discharge or from which may be discharged a contaminant into the natural environment (other than water)		20	
Description of the local land use conditions if MOE approved regional meteorological data has been refined to reflect local land use			

Emission Summary Table			
This application is eligible for Schedule 3 Standards Only			
Was the correct POI limit schedule used for assessment?		40	
1	Contaminant Name	2	
2	Contaminant CAS #	2	
3	Total Facility Emission Rate (g/s)	2	
4	Air Dispersion Model Used	2	
5	Maximum POI Concentration (µg/m³)	2	
6	Averaging Period (hours)	2	
7	MOE POI Limit (µg/m³)	2	
8	Limiting Effect	2	
9	Percentage of MOE POI Limit	2	
10	Do all the POI concentrations meet MOE criterion?	40	
11	Do all of the contaminants listed have a MOE POI Limit?		
12	Has the applicant completed <i>Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit</i> .	30	
Description of the way the approved model was used			
Must use AERMOD or Screen 3 to assess offsite POI impacts			
Must use standard modelling data set			
	Has AERMOD been selected as the correct dispersion model?		
	Did it specify "non-regulatory" option use for AERMOD?		
	Has the applicant provided appropriate rationale?		
	Does the application include the MOE approval for the use of the non-regulatory option?		
	Is the AERMOD Regulatory Option situation all good (based on rows 115-118)?	10	
Has the correct dispersion modelling been used for assessment?		40	
	Is the Dispersion Modelling Input Summary Table provided	2	
	Dispersion Modelling printout of input/output sheet	2	
	Digital input/output files for dispersion modelling	2	
Other Ministry Air Compliance Requirements			
Does the proposed activity or activities trigger and comply with other MOE policies or guidelines (e.g. A-series Guidelines, Wood Combustor Guideline, Emission Limits for Internal Combustion Engines used for Non-Emergency Power Generation, Guideline A-1 Biomedical Waste Incinerators, Guideline A-5 Stationary Combustion Turbines, Guideline A-7 New Municipal Waste Incinerators, Guideline A-8 CWS for Hg & D/F (Hazard Waste Incinerators, iron & steel), Guideline A-9 NOx Emissions from Boilers and Heaters, CEMS, Opacity, Source testing, Tire Burning, Waste Derived Fuel Heaters, Wood Fired Combustors, etc).			
	Emission Limits for Internal Combustion Engines used for Non-Emergency Power Generation,		
	Guideline A-1 Biomedical Waste Incinerators,		
	Guideline A-5 Stationary Combustion Turbines,		
	Guideline A-7 New Municipal Waste Incinerators,		
	Guideline A-8 CWS for Hg & D/F (Hazard Waste Incinerators, iron & steel),		
	Guideline A-9 NOx Emissions from Boilers and Heaters,		
	CEMS,		
	Opacity, Source testing,		
	Tire Burning,		
	Waste Derived Fuel Heaters,		
	Wood Fired Combustors		
	Other.		
Have they provided supporting documentation related to the OTHER MINISTRY AIR COMPLIANCE REQUIREMENTS		10	

Noise Section

0 out of 0

Required Documentation		Quality	Yes, No, N/A	Comments
☐	Is the activity or activities EASR eligible			
☐	Was a request for a 20(18) submitted			
☐	Are they more than 1 km from a receptor?			
☐	Limited Operational Flexibility			
☐				
What kind of noise documentation was provided?				
Did they provide Vibration Documentation?				
☐	Is there any information to suggest that vibration is an issue (ex. complaints have been logged for this site) or are there significant vibration sources, such as stamping presses or forging hammers present at the facility?			

976	8	8

Can we allow LOF with PNS and SNS? think yes

Wastewater Section

Stage 1 Quality Score 143 out of 143

Zoning:	Other
	Development Reserve
Adjacent Zoning:	Other
	Residential, Institutional, General Mixed Use

Type(s) of Works (check all that apply)

Branch	
Stormwater Management (SWM)	Yes
Sewage Pumping Station	
Subsurface Sewage Disposal Works	
Treatment of Industrial Process Wastewater	
Sewer / Conveyance ditch / Forcemain	
Sewage Treatment Plant or Lagoon	
Mining	
Groundwater Remediation Wastewater Stream	
Mobile	
Other	

Required Documentation		Stage 1		Comments
		Quality	Yes, No, N/A	
Has statement of municipality in the application form been completed? (only for municipal applicants)		10	Yes	
Site Plan / Engineering Drawings				
1	Engineering drawings, signed and stamped by P.Eng.	40	Yes	
2	Boundary of the site of the activity	2	Yes	
6	North Arrow	2	Yes	
7	Drawing to Scale with Scale noted	2	Yes	
8	Drawing is big enough to read	10	Yes	
9	Legend	2	Yes	
10	Fully labelled, measurements/dimensions expressed in metric value	5	Yes	
Sewers / conveyance ditches / forcemains				
Stormwater Management (SWM)				
Type of stormwater management				
SWM Report				
1	Is there a stormwater report?	40	Yes	
2	Is report signed and stamped by a Professional Engineer?	10	Yes	
1	Description of project area	10	Yes	
	A reference to quality & quantity controls and criteria	10	Yes	
2	Description of all industrial processes/activities (for industrial sewage applications only)	10	N/A	
Additional Information				
	Conservation Authority (CA) or Ministry of Natural Resources (MNR) or MOE clearance	20	N/A	
Oil / Grit Separator only				
	Design Brief, calculations and manufacturers specifications	40	N/A	

Sewage Pumping Station
Subsurface Sewage Disposal Works



Application for Certificate of Approval of Municipal and Private Sewage Works

Approved

Client Information
Site Information
Project Technical Info Contact
Project Information

Instrument Information/Tracking
Supporting Information Checklist
Application Fees
Fees Tracking

EBR Requirements
EBR Tracking
EAA Requirements
Signatures

FA Document
Approved Certificate
Related Documents

APPLICATION SUMMARY

Work Unit: Streamlined Review Unit

Status	Approved	Assigned					
IDS Reference #	8055-AGCJ44	File #	1184				
C of A #	5179-AGEHMM	Existing C of A #'s	1233-A63ST8				
Application Type	Amended CofA						
Client Name	Riverside South Development Corp.	Client #	8501-6MWRSN				
Client Aliases							
Site Name	980 Earl Armstrong Road	Site #	5194-7YAP3W				
NAICS Code	-						
Project Name	ToR - Amendment to ECA No. 1233-A63ST8 for Addition of 5 Townhouse Units						
Technical Reviewer	Dylan Goldman						
Assigned	2016/12/07						
Last Action	Approved	By	Gregory Zimmer				
<table border="1"> <tr> <td>Document Links and Comments:</td> <td>Insert Comments Here</td> </tr> <tr> <td>Attachment Names:</td> <td></td> </tr> </table>				Document Links and Comments:	Insert Comments Here	Attachment Names:	
Document Links and Comments:	Insert Comments Here						
Attachment Names:							
Information Requests	Please click button--->	Initiated by	Client				
Supplementary Reviews	Please click button--->						
Age	15 days						





AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5179-AGEHMM
Issue Date: December 20, 2016

Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Part of 980 Earl Armstrong Road
City of Ottawa

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers to be constructed in the City of Ottawa as follows;

- sanitary sewers on Cambie Road (from Station 1+040 to Station 1+729), Serenade Crescent (from Station 2+040 to Station 2+110, and from Station 5+193 to Station 5+227), Dreamcatcher Place (from Station 3+039 to Station 3+110), Amulet Grove (from Station 5+052 to Station 5+193), Carnelian Crescent (from Station 6+040 to Station 6+744), Taurus Place (from Station 0+040 to Station 0+109), Ralph Hennessy Avenue (from Station 8+070 to Station 8+464), Dolce Place (from Station 11+040 to Station 11+540), Larimar Circle (from Station 12+011 to Station 12+423), Portico Way (from Station 13+046 to Station 13+189), Markdale Terrace (from Station 9+040 to Station 9+610), Guardian Grove (from Station 10+040 to Station 10+175), Tributary Easement (from Station 14+019 to Station 14+124), Spratt Road (from Station 0+256 to Station 0+400); and
- storm sewers on Cambie Road (from Station 1+040 to Station 1+729), Serenade Crescent (from Station 2+040 to Station 2+110, and from Station 5+193 to Station 5+227), Dreamcatcher Place (from Station 3+039 to Station 3+110), Amulet Grove (from Station 5+052 to Station 5+193), Carnelian Crescent (from Station 6+040 to Station 6+744), Taurus Place (from Station 0+040 to Station 0+109), Ralph Hennessy Avenue (from Station 8+070 to Station 8+464), Dolce Place (from Station 11+040 to Station 11+540), Larimar Circle (from Station 12+011 to Station 12+423), Portico Way (from Station 13+046 to Station 13+189), Markdale Terrace (from Station 9+040 to Station 9+610), Guardian Grove (from Station 10+040 to Station 10+175), Tributary Easement (from Station 14+019 to Station 14+124), Spratt Road (from Station 0+256 to Station 0+400);

all in accordance with the application from Riverside South Development Corporation, dated October 20, 2016, including final plans and specifications prepared by J.L. Rochards & Associates Limited.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1233-A63ST8 issued on January 19, 2016

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of
the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 20th day of December, 2016



Gregory Zimmer, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act

DG/

c: District Manager, MOECC Ottawa

Charles Warnock, Delegated Authority, City of Ottawa (File No. D07-16-13-0027)

Natasha Baird, Project Manager, City of Ottawa

Linda Carkner, Program Manager, City of Ottawa, Infrastructure Services

M. Rick O'Connor, City Clerk, City of Ottawa

Karla Ferrey, J.L. Richards & Associates Limited

Ministry of the Environment and
Climate Change
Operations Division
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Fax: (416) 314-8452
Telephone: (416) 212-3680

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 212-3680



December 6, 2016

Mary Jarvis, MCIP, RPP, VP of Land Development
Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Dear Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
ToR - Amendment to ECA No. 1233-A63ST8 for Addition of 5 Townhouse Units
City of Ottawa
Reference Number 8055-AGCJ44**

We acknowledge receipt of your application for approval dated October 20, 2016 and received on December 2, 2016 for the following:

Approval Type:	Municipal and Private Sewage Works
Project Description:	Amendment to ECA No. 1233-A63ST8 Storm and Sanitary Sewers to Serve Riverside South Subdivision.
Site Location:	980 Earl Armstrong Road Lot 21, Concession 1 City of Ottawa,

The Ministry's reference number for your application is 8055-AGCJ44. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Dylan Goldman
Environmental Assistant

c: District Manager, MOECC Ottawa
Lucie, J.L. Richards & Associates Limited

Application for Certificate of Approval of Municipal and Private Sewage Works

Approved

Client Information	Instrument Information/Tracking	EBR Requirements	FA Document
Site Information	Supporting Information Checklist	EBR Tracking	Approved Certificate
Project Technical Info Contact	Application Fees	EAA Requirements	Related Documents
Project Information	Fees Tracking	Signatures	

APPLICATION SUMMARY

Work Unit: Registration/Application Assessment

Status	Approved	Assigned	
IDS Reference #	6686-AGCJP3	File #	0035
C of A #	5465-AL5J8H	Existing C of A #'s	0166-ACPSEZ
Application Type	Amended CofA		
Client Name	Riverside South Development Corp.	Client #	8501-6MWRSN
Client Aliases			
Site Name	Part of 980 Earl Armstrong Road	Site #	3397-A6CPFN
NAICS Code	-		
Project Name	Amendment to ECA No. 0166-ACPSEZ- Change of Outlet Location for Dry Storm Pond		
Technical Reviewer	Livia Wei		
Assigned	2017/01/25		
Last Action	Approved	By	Gregory Zimmer
Document Links and Comments:	Insert Comments Here		
Attachment Names:			
Information Requests	Please click button--->	Initiated by	Client
Supplementary Reviews	Please click button--->		
Age	127 days		



**Ministry of the Environment and
Climate Change**
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone:

**Ministère de l'Environnement et de
l'Action en matière de changement
climatique**
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone :



April 6, 2017

MEMORANDUM

To:

From: Livia Wei
Review Engineer Air/Water
Environmental Assessment and Approvals Branch

RE: Amendment to ECA No. 0166-ACPSEZ- Change of Outlet Location for Dry Storm
Pond
Riverside South Development Corp.
6686-AGCJP3
Ottawa

This review gives due consideration to the principles of environmental protection, as outlined in the Ministry of the Environment Statement of Environmental Values (SEV), listed below, taking into account the specific guiding principles directly related to the scope of the proposed project and the regulatory responsibility of the Ministry under section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices.

Principles of Environmental Management

The Ministry of the Environment and Climate Change has developed its water quality programs with the goal of ensuring that the waters of the province are protected and are of a quality that sustains aquatic life, supports ongoing recreational activities and protects drinking water sources for current and future generations.

The amount and quality of surface water are closely related and both important to a healthy ecosystem. The amount of water and what's in it are important to the overall health of our water systems. Groundwater is not only an important source of drinking water for many communities; it also acts as an essential source of streamflow in our waterways.

The protection of our ecosystem is the overarching goal of the Provincial Water Quality Objectives (PWQO). These criteria describe what the water quality needs to be to support a healthy population of aquatic life and protect human uses of surface water in the province. These criteria are what the ministry considers when reviewing applications for discharge of effluent into the environment in

Ontario.

The PWQO represent good water quality for surface water such as lakes, rivers and streams which are the bodies that receive effluent from wastewater facilities. The PWQO criteria are set to be protective of all of the aquatic life throughout their lives. The PWQO also considers other users of surface water bodies such as recreational uses and has criteria based on public health and aesthetic considerations.

Before the effluent requirements are specified in an Environmental Compliance Approval, ministry staff used a science-based approach to review the impact of the proposed treatment technology and the effluent that will result from the use of the proposed technology on the receiving water body.

This application provided information on the facility, treatment levels and the sewage quantity and quality which met ministry requirements. The impacts of the work described in this application on ecosystem components not directly related to the discharge of effluent into the environment have not been identified as a concern.

Stormwater

Stormwater management is required to mitigate the effects of urbanization on the water system. Impacts from stormwater include increased runoff and decreased infiltration to groundwater of rain and snowmelt. Reduced baseflow for surface waters, degradation of water quality, increased flooding and erosion can occur if stormwater is not managed properly. These impacts can have a harmful effect on aquatic life, modify how we can use of waterways (e.g. as drinking water sources, recreational uses) and cause loss of property and human life.

There are a range of tools that can be used to maintain the water cycle, protect water quality, prevent erosion and prevent flooding from stormwater. Some of the tools or systems that may be used include lot level, conveyance, and end-of-pipe stormwater management practices.

The ministry review for stormwater management works includes a review of information in the application such as the range of flows expected from the site, target flow rates, land use restrictions, the infiltration rates and the general make-up of the site and its surrounding environment. The application will describe how the proponent proposes to mitigate stormwater impact. The ministry's review considers how the resulting effluent after mitigation will impact the receiving waterbody including impacts to the waterbody's users and aquatic life.

The stormwater assessment provided in the application considered the impacts from a 100-year or regional storm providing adequate assurance of the ability of these works to meet ministry performance requirements. Technologies have been put in place to meet the water quality objectives determined for the development to protect the environment in concert with the municipal authority and/or the conservation authority and others having responsibility for the development under the Planning Act..

Source Water Protection

Source Protection Plans include policies designed to minimize the impact that human and natural activities may have on the quality and quantity of drinking water. The Environmental Compliance Approval is part of a multi-barrier approach to protect drinking water sources.

A source protection prescribed instrument policy may prohibit an activity or require MOECC to ensure that the instrument contains terms and conditions which would ensure that any threat activities would not become significant drinking water threats.

Conditions

The conditions imposed through the Environmental Compliance Approval will further safeguard Ontario's environment by requiring that the owner/operator maintain their operations, report any non-compliance and take immediate action to safeguard the environment should it be required. The conditions also include testing, monitoring and reporting requirements to maintain transparency to members of the public, where warranted.

Principles of Pollution Reduction / Environmental Restoration

The terms and conditions of all Environmental Compliance Approvals are designed to prevent pollution and minimize the creation of pollutants that adversely affect the environment. Where spills or inadvertent release of contaminants occurs the ministry is committed to the polluter pays principle. The ministry has a number of tools in order to ensure the cost of cleanup and rehabilitation of the environment is borne by the perpetrator in these instances.

The ECA sets out legally enforceable rules of operation. These rules are designed to protect the environment from emissions of contaminants, discharges and wastes produced by operations in Ontario. The review of this application includes an assessment of how the proposed works and operations have been built to prevent spills and environmental harm.

The project, if completed as proposed in this application, has been assessed to adequately safeguard the environment and has a low risk of causing environmental harm.

The ministry's environmental compliance and abatement programs have a range of tools for the remediation of any adverse effects in the event of a spill.

Principles of Strategic Management

The facility and its operations are required to meet all the requirements of the ministry's regulations and the conditions of this approval. The conditions for this Environmental Compliance Approval were selected for this project based on site-specific impacts expected from these works. The Ministry of the Environment and Climate Change reviews its requirements to ensure they remain protective of the environment.

The ministry has used a range of tools to encourage environmental protection and sustainability through its many programs that are reflected in this Environmental Compliance Approval.

Municipalities

The Ministry of Municipal Affairs and Housing has a Statement of Environmental Values that it applies to decisions it makes that significantly affect the environment and as it develops acts, regulations and policies. The Ministry of Municipal Affairs and Housing's Statement of

Environmental Values includes building safe and strong communities that protects greenspace . The planning framework that formed the decisions made at the local government were developed with consideration to these principles.

The process to develop new infrastructure also goes through municipal planning processes. During the planning phase, the municipality considers the impacts of proposed works to surrounding users against the needs of the community for increased capacity. The municipality also considers the location or siting of facilities that discharge into the natural environment during its processes.

Opportunities for Consultation

The ministry is committed to transparency and ongoing engagement with the public during its environmental decision-making process. The proposal for this project undertook public consultation under Planning Act.

Conservation Authority

Due to the area of discharge, the applicant was not required to consult with the local Conservation Authority and final clearance is not required.

Livia Wei
Review Engineer Air/Water



AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5465-AL5J8H
Issue Date: April 10, 2017

Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Part of 980 Earl Armstrong Road
Lot 21, Concession 1
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

an amendment of the stormwater management Works to relocate the outlet pipe of Pond 2-P and renumber Block number of Pond 2-P to accommodate the Markdale Terrace redesign as follows:

Proposed Works:

modification of the previously approved stormwater management facility (Pond 2-P - catchment area 13.84 hectares) identified under previous works below, located south of Earl Armstrong Road, west of Thomas Gamble Municipal Drain, within Block 223, having a total available storage volume of approximately 927 m³ and a maximum depth of approximately 1.5 m, receiving stormwater run-off from Markdale Terrace, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located on Dolce Place, allowing a maximum release rate of 15 L/s under the 100-year storm event;

Previous Works:

establishment of stormwater management Works for the collection, transmission and disposal of stormwater run-off from a catchment area of approximately 24.08 hectares of Phase 8 and 15.15 hectares of Phase 13 Riverside South Community development site, and an off-site catchment area of approximately 107.06 hectares, located south of Earl Armstrong Road, east of Spratt Road, within Rideau River watershed, in the City of Ottawa, attenuating post-development peak flows to allowable release rates for all above 5-year storm events up to and including the 100-year storm event, discharging to the existing storm sewer system located on Spratt Road

with a maximum release rate of 4366 L/s and on Shoreline Drive with a maximum release rate of 1021 L/s, consisting of the following:

on-site storages: approximately forty-four (44) roadway sags within Phase 8 Riverside South Community development site, equipped with inlet control devices, having a total available storage volume of approximately 1,520 m³, a maximum ponding depth of 0.3 m, before cascading to next road section;

stormwater management facility (Pond 4-P - catchment area 22.44 hectares): one (1) dry pond located east of Spratt Road, within Block 178, having a total available storage volume of approximately 2,864 m³ and a maximum depth of approximately 1.48 m, receiving stormwater run-off from Cambie Road, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located on Cambie Road, allowing a maximum release rate of 27 L/s under the 100-year storm event;

stormwater management facility (Pond 2-P - catchment area 13.84 hectares): one (1) dry pond located south of Earl Armstrong Road, west of Thomas Gamble Municipal Drain, within Block 217, having a total available storage volume of approximately 927 m³ and a maximum depth of approximately 1.5 m, receiving stormwater run-off from Markdale Terrace, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located on Markdale Terrace, allowing a maximum release rate of 15 L/s under the 100-year storm event;

stormwater management facility (Pond 1-P - catchment area 2.95 hectares): one (1) dry pond located south of Earl Armstrong Road, east of Thomas Gamble Municipal Drain, within Block 230, having a total available storage volume of approximately 1,030 m³ and a maximum depth of approximately 1.35 m, receiving stormwater run-off from Larimar Circle, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located within Block 244, allowing a maximum release rate of 12 L/s under the 100-year storm event;

temporary off-site ditch system (Interim Works - catchment area 35.97 hectares): add an outlet control device to the existing roadside ditch along east side of Spratt Road, south of Cambie Road, having a maximum depth of approximately 1.35 m, discharging to the existing storm sewer system located on Spratt Road, allowing a maximum release rate of 1255 L/s under the 100-year storm event;

temporary off-site swale system (Interim Works - catchment area 71.09 hectares): approximately 530 m temporary swale along north side of future residential site, south of Phase 8 boundary, having a total available storage volume of approximately 1750 m³, a maximum depth of approximately 1.0 m, equipped with five (5) outlet control devices, discharging to the on-site storm sewer system located on Serenade Crescent west, Dreamcatcher Place, Serenade Crescent east, Ralph Hennessy Avenue and Cambie Road, allowing a total maximum release rate of 1767 L/s under the 100-year storm event;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

"Approval" means this entire document and any schedules attached to it, and the application;

"Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;

"District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;

"EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;

"Interim Works" means the interim stormwater management works, described in this Approval and that are to be used for short-term purposes only in accordance with this Approval, until otherwise approval for an extension of this period has been granted;

"Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;

"Owner" means Riverside South Development Corp., and includes its successors and assignees;

"OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;

"Significant Threat Policy(ies)" has the same meaning as in the Clean Water Act, 2006;

"Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006;

"Water Supervisor" means the Water Supervisor of the appropriate local office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located;

"Previous Works" means those portions of the sewage Works previously approved under an Approval;

"Works" means the sewage works described in the Owner's application, and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

- (1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

- (2) Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
- (3) Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.
- (4) Where there is a conflict between the documents listed in Schedule 'A' and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- (5) The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.
- (6) The issuance of, and compliance with the conditions of, this Approval does not:
 - (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority/MNR necessary to construct or operate the sewage works; or
 - (b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. EXPIRY OF APPROVAL

- (1) This Approval will cease to apply to those parts of the Work which have not been constructed within five (5) years of the date of this Approval.
- (2) In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.
- (3) This Approval to the Interim Works shall expire and become null and void upon approval and commissioning of the permanent stormwater management facility and will be required to service subsequent phases of the Riverside South Community development site.

3. CHANGE OF OWNER

- (1) The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - (a) change of Owner;
 - (b) change of address of the Owner;
 - (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or
 - (d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.
- (2) In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
- (3) The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this Approval.
- (4) Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

4. OPERATION AND MAINTENANCE

- (1) The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety or health hazard to the general public.
- (2) The Owner shall inspect and ensure that the design minimum liquid retention volume is maintained in the Works at all times, except when maintenance is required.
- (3) The Owner shall undertake an inspection of the condition of the Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the Works to prevent the excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.

- (4) The Owner shall design, construct and operate the Works with the objective that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters.
- (5) The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's administration office for inspection by the Ministry. The logbook shall include the following:
 - (a) the name of the Works; and
 - (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the Works.
- (6) The Owner shall prepare an operations manual prior to the commencement of operation of the Works that includes, but is not necessarily limited to, the following information:
 - (a) operating and maintenance procedures for routine operation of the Works;
 - (b) inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
 - (c) repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - (d) contingency plans and procedures for dealing with potential spills and any other abnormal situations and for notifying the District Manager; and
 - (e) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
- (7) The Owner shall maintain the operations manual current and retain a copy at the location of the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

- (1) The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every two (2) weeks and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

- (2) The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

6. REPORTING

- (1) One (1) week prior to the start-up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.
- (2) The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

7. SOURCE WATER PROTECTION

- (1) The Owner shall ensure, if applicable, that the design, construction and operation of the Works conforms to any Significant Threat Policies in any Source Protection Plan that applies to the location of the Works.

Schedule "A"

1. Application for Environmental Compliance Approval, dated October 20, 2016, and received on December 2, 2016, including final plans and specifications prepared by J.L. Richards & Associates Limited.
2. Site Servicing Report, Riverside South Development Corporation, Riverside South Phase 8, Part of 980 Earl Armstrong Road, City of Ottawa, February 2015 (Revised August 2015, October 2015, November 2015, June 2016 - Markdale Redesign, October 2016 - Markdale Redesign), prepared by J.L. Richards & Associates Limited.
3. Engineering Drawings, stamped and dated October 20, 2016, prepared by J.L. Richards & Associates Limited.
4. Email dated April 5, 2017, from Julie White, J.L. Richards & Associates Limited, including Memorandum dated October 20, 2016, prepared by J.L. Richards & Associates Limited.
5. Application for Environmental Compliance Approval, dated November 25, 2015, and received on January 19, 2016, including final plans and specifications prepared by J.L. Richards & Associates Limited.
6. Site Servicing Report, Riverside South Development Corporation, Riverside South Phase 8, Part of 980 Earl Armstrong Road, City of Ottawa, February 2015 (Revised August 2015, October 2015, November 2015), prepared by J.L. Richards & Associates Limited.
7. Engineering Drawings, stamped and dated November 27, 2015, prepared by J.L. Richards & Associates Limited.
8. Emails from Ivan Dzeparoski, J.L. Richards & Associates Limited, dated August 9 and August 11, 2016, including all supporting information.
9. Email from Natasha Baird, City of Ottawa, dated August 18, 2016, including all supporting information.
10. Emails from Julie white, J.L. Richards & Associates Limited, dated August 22 and August 23, 2016, including all supporting information.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. The Condition also ensures that adequate storage is maintained in the Works at all times as required by the design. Furthermore, this Condition is included to ensure that the Works are operated and maintained to function as designed.
5. Condition 5 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.
6. Condition 6 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.
7. Condition 7 is included to ensure that the Works conform to the policies of the local Source Protection Plan.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s).
0166-ACPSEZ issued on August 23, 2016.**

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall

state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of
the Environmental Protection Act
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 10th day of April, 2017



Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

LW/

c: District Manager, MOECC Ottawa
Lucie Dalrymple, P.Eng., J.L. Richards & Associates Limited

ENGINEERING ASSESSMENT

Reference No.:	6686-AGCJP3
Company Name:	Riverside South Development Corp.
Reviewer:	Livia Wei

Technical Evaluation

Proponent: Riverside South Development Corp.

Proposal

An amendment to stormwater management Works to relocate the outlet pipe of Pond 2-P and renumber Block number of Pond 2-P to accommodate the Markdale Street redesign.

on-site sanitary and storm sewers was submitted under Transfer of Review as indicated by the consultant.

The assessment was based on the following information:

1. Application for Environmental Compliance Approval, dated October 20, 2016, and received on December 2, 2016, including final plans and specifications prepared by J.L. Richards & Associates Limited.
2. Site Servicing Report, Riverside South Development Corporation, Riverside South Phase 8, Part of 980 Earl Armstrong Road, City of Ottawa, February 2015 (Revised August 2015, October 2015, November 2015, June 2016 - Markdale Redesign, October 2016 - Markdale Redesign), prepared by J.L. Richards & Associates Limited.
3. Engineering Drawings, stamped and dated October 20, 2016, prepared by J.L. Richards & Associates Limited.
4. Email dated April 5, 2017, from Julie White, J.L. Richards & Associates Limited, including Memorandum dated October 20, 2016, prepared by J.L. Richards & Associates Limited.

Supplementary Review Comments: no comments were received as of due day of March 1, 2017 from local district office.

Engineering Assessment

Based on the application documents and the additional information submitted by the applicant and technical contact, the following assessment and verification was completed:

- Fees: Application fees submitted for the works (\$800).

- Priority File: No
- Receiving Water Body: existing storm sewers on Spratt Road and Shoreline Drive
- Municipality Sign-off: by Charles Warnock, Program Manager, City of Ottawa
- Environmental Bill of Rights (EBR) – Not a prescribed instrument under the EBR
- Environmental Assessment Act: Listed as Municipal Class EA Schedule A+
- Conservation Authority Comments: n/a, discharge to the existing storm sewers
- Engineering Design Responsibility: J.L. Ricahrds & Associates Limited
- Responsibility for Operation: Applicant (Riverside South Development Corp.)

Design Criteria

1. This amendment is to relocate the outlet pipe of Pond 2-P and renumber Block number of Pond 2-P.
2. The allowable release rates are the same as the previous criteria: 6000 L/s at Spratt Road and 1,037 L/s at Shoreline Drive based on the maximum 1:5 year allowable release rate that was development as part of the 2015 Interim Memos for both phase 8 and phase 13.
3. 3 hour 1:100 year Chicago storm event was used to calculate the stormwater runoff.

Quality Control

As confirmed by the consultant in the previous submission and this submission that water quality control from phase 8 water quality control will be provided by a pond (Pond 1).

Quantity Control

1. The previous approved stormwater management Works provide stormwater attenuation to restrict post-development flow rates to the allowable release rates for all above 5-year storm events up to and including the 100-year storm event, discharging to the existing storm sewer system located on Spratt Road with a maximum release rate of 4366 L/s and on Shoreline Drive with a maximum release rate of 1021 L/s.
2. This proposed amendment is to accommodate a street layout redesign for a portion of the Phase 8 subdivision (Markdale Street Design). An email dated April 4, 2017, from Julie White indicated that:

In the process of remodeling the Markdale redesign area, there was a hydrograph allocation error that was found and corrected. This hydrograph correction resulted in having some additional minor system residual capacity, which was then optimized in accordance with allowable maximum peak flows. As of result of this correction, the minor flow was slightly increased and major surface flows decreased, thus resulting in less overland flow to Dry Pond No. 2 and therefore no extra storage was required within the pond. Please note that the major system peak inflow into Dry Pond No. 2 increased from 317 L/s to 372 L/s due to the increased hard surface area due to the additional 5 units. However, the overall major system inflow into Dry Pond No. 2 was less than the previous submission, hence the water level in the pond decreased from 91.88m to 91.87m, while the pond geometry remained the same.

Erosion/Sedimentation Control

The standard Condition regarding temporary erosion and sediment control has been included in this Approval.

Source Protection

This application has been screened using the Source Protection Information and Policy Search Tool and it was determined that the activity is not considered a significant drinking water threat and no source protection policies apply.

Additional Comments: A draft ECA was reviewed by the consultant, no further comments were received.

Recommendations

Based on the above assessment and the documentation submitted by the client, the proposed project is recommended for approval.

The purpose of the preceding review is to provide advice to the Ministry of the Environment regarding section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices for the proposed project based on the information provided in the above referenced documents. The conclusions, opinions and recommendations of the reviewer are based on information provided by others, except where otherwise specifically noted. The Ministry cannot guarantee that the information that has been provided by others is accurate or complete.

This review also gives due consideration to the principles of environmental protection, as outlined in the Ministry of the Environment Statement of Environmental Values (SEV), taking into account the specific guiding principles directly related to the scope of the proposed project and the regulatory responsibility of the Ministry under section 20.2 of Part II.1 EPA and section 53 OWRA policies, requirements and best management practices

Document Links and Comments:	Insert Comments Here
Attachment Names:	

From: [Baird, Natasha](#)
To: [Shah, Miten \(MOECC\)](#); [Julie White](#)
Cc: [Karla Ferrey](#); [Christa Jones](#); [Chisholm, Matthew \(MOECC\)](#)
Subject: RE: Acknowledgement Letter, MOE Ref # 6686-AGCJP3
Date: January 10, 2017 11:22:40 AM
Attachments: [image002.gif](#)
[image003.png](#)
[MFP3855720170110110301.pdf](#)

Good Morning Miten,

Please find page 7 signed by the City of Ottawa. Do not hesitate to contact me if you have any further comments or questions.

Thank you,

Please note I will be away on vacation January 13, 2017.

Natasha Baird, P.Eng. ing., LEED Green Associate

Project Manager | Gestionnaire de projets

Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*

Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique

City of Ottawa | Ville d'Ottawa

 613.580.2424 ext./poste 27995

ottawa.ca/planning / ottawa.ca/urbanisme

*Please consider your environmental responsibility before printing this e-mail

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]

Sent: Friday, December 23, 2016 9:39 AM

To: Julie White

Cc: Karla Ferrey; Christa Jones; Chisholm, Matthew (MOECC); Baird, Natasha

Subject: RE: Acknowledgement Letter, MOE Ref # 6686-AGCJP3

Good Morning Julie,

Further to my voicemail yesterday, Please note that the requirement for Municipal signature on ECA applications has been recently changed and now Municipality must have to sign on all "Municipal and Private Sewage Works ECA applications" under section 1.5 – Statement of Municipality. Please ensure to complete in all your future ECA application submissions to avoid delay in processing.

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After looking at Natasha's comments, I need further clarifications for Pond # 4 ownership

change and appreciate call from you or Natasha to discuss further requirements.

Thanks

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

From: Julie White [mailto:jwhite@jrichards.ca]
Sent: December-21-16 4:16 PM
To: Chisholm, Matthew (MOECC); Shah, Miten (MOECC)
Cc: Karla Ferrey; Baird, Natasha; Christa Jones
Subject: FW: Acknowledgement Letter, MOE Ref # 6686-AGCJP3

Hi Miten,

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Matthew,

Could you please provide further comments on this topic? Is the City of Ottawa now required to sign section 1.5 of the MOE ECA Amendment for Stormwater Management?

In addition, Miten could you advise as to when you will require a response from the City. The Letter of Acknowledgement states that we have two weeks to provide the documentation, however, given that we are approaching the holiday break, I would like to confirm what date you will need the City's response.

Thank you both for your attention to this matter.

Julie

Julie White, EIT
Civil Engineering Intern

J.L. Richards & Associates Limited
864 Lady Ellen Place, Ottawa, ON K1Z 5M2
Tel: 613-728-3571 Fax: 613-728-6012



From: Baird, Natasha [<mailto:Natasha.Baird@ottawa.ca>]
Sent: December 21, 2016 3:45 PM
To: Julie White
Cc: Karla Ferrey; Christa Jones
Subject: RE: Acknowledgement Letter, MOE Ref # 6686-AGCJP3

Hi Julie,

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I am working from home this afternoon. We should be contacting Matthew Chisholm who helped us before.

Please feel free to contact me for any further questions,

Natasha

From: Julie White [jwhite@jlrichards.ca]
Sent: Wednesday, December 21, 2016 1:41 PM
To: Baird, Natasha
Cc: Karla Ferrey; Christa Jones
Subject: FW: Acknowledgement Letter, MOE Ref # 6686-AGCJP3

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I appreciate your attention to this matter and please call with any questions.

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From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]
Sent: December 21, 2016 10:47 AM
To: mjarvis@urbandale.com; Julie White
Cc: Lucie Dalrymple
Subject: Acknowledgement Letter, MOE Ref # 6686-AGCJP3

Good Morning Mary/Julie,

Please see attached acknowledgement letter for your amendment of ECA application, for Riverside South Development Corp., to include proposed changes in outlet location for dry pond # 2, for Riverside South Phase 8 development, located in the City of Ottawa, having above mentioned reference number.

Please provide requested information as soon as possible or by the timeline mentioned in the letter.

Should you have any questions, contact me.

Thanks,

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Application Assessment Officer

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Page 96
is not relevant
est non pertinente

From: [Baird, Natasha](#)
To: [Shah, Miten \(MOECC\)](#); [Julie White](#)
Cc: [Karla Ferrey](#); [Christa Jones](#); [Chisholm, Matthew \(MOECC\)](#)
Subject: RE: Acknowledgement Letter, MOE Ref # 6686-AGCJP3
Date: December 23, 2016 11:45:46 AM
Attachments: [image002.gif](#)
[image003.png](#)

Good Morning Miten,

I spoke to the senior engineer and he will sign off the form during the week of January 9 to 13.

Thank you,

Please note I will be away on vacation December 23, 2016 to January 9, 2017.

Natasha Baird, P.Eng. ing., LEED Green Associate

Project Manager | Gestionnaire de projets

Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*

Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique

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Dynamic Completeness Assessment Tool: Version 6.5b

Results

				10th	50th	90th
General	175 out of 175 = 100%			10%	50%	90%
Air	0 out of 0 =			10%	50%	90%
Noise	0 out of 0 =			10%	50%	90%
Waste						
Wastewater	153 out of 163 = 94%			10%	50%	90%

Please print this page and put it
in the physical file.

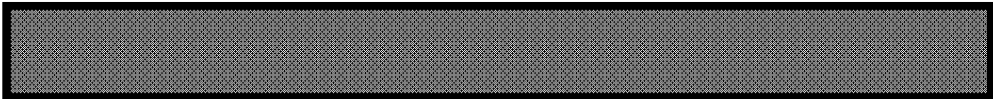


RED: Return the application



YELLOW: Flag for reviewer, request additional info and pass the file

Sign-Off

Signed by: <i>Miten Shah</i>	
	
Date: 12/21/2016	Reference #: 6686-AGCJP3

COMMENTS:

General Section

175 out of 175 100%

ECA Reference Number:	6686-AGCJP3
Company:	Riverside South Development Corp.
Date Received:	December 2, 2016
Date Screening Started:	December 20, 2016
Time for Screening:	

382	175	175

Required Documentation

Type of application:

Media Types (check all that apply)

- ☐ Air (Technical Information Part A)
- ☐ Noise and/or Vibration (Technical Information Part B)
- ☒ Wastewater (Technical Information Part C)
- ☐ Waste Disposal Site (Technical Information Part D)
- ☐ Mobile Waste Processing (Technical Information Part E)
- ☐ Waste Management System (Technical Information Part F)
- ☐ Cleanup of Contaminated Sites (Technical Information Part G)

Required Documentation	Quality	Yes, No, N/A	Comments
Was an application form submitted?	40	Yes	
Is the application form signed and dated?	10	Yes	
Is the Technical contact identified and signed?	10	Yes	
If this application relates to an Order, has it been attached?	10	N/A	
Was an electronic copy of the submission received?	5	Yes	
Proof of Legal Name and Type of Applicant			
Type of applicant:	Corporation – Corporation Profile Report; articles of Incorporation		
Was the appropriate proof of legal name submitted?	10	Yes	
Fee			
Yes Is a fee required?			
Was a fee submitted?	40	Yes	
Is the submitted fee correct?	20	Yes	
Project Information			
Executive Summary, as per Reg. 255	20	Yes	
Detailed Project Description, as per Reg. 255 (General)			
1 A general description of the undertaking.	10	Yes	
2 A description of all processes including any waste treatment, sewage treatment or emission control processes that the activity will be part of and a process flow diagram or schematic diagram showing those processes. (process flow/schematic diagram N/A for wastewater)	10	N/A	
3 A description of the activity, including, in the case of an activity that is the use or operation of something. (N/A for wastewater)	5	N/A	
i a description of the days and hours that the activity will be engaged in, and	5	N/A	
ii a description of operational parameters related to the activity, such as maximum rates of production, process limits, performance limits and parameters relating to equipment and infrastructure.	5	N/A	

40	40	40
10	10	10
10	10	10
10	0	0
5	5	5

10	10	10

40	40	40
20	20	20

20	20	20

10	10	10
10	0	0
5	0	0
5	0	0
5	0	0

Environmental Assessment Act			
Yes	Is it subject to EA?		
Has the applicant considered its Environmental Assessment Act (EAA) requirements?			
1	For a completed Individual EA, has a copy of the Notice of Approval been included	20	N/A
2	For a completed Class EA process (Schedule B and C only), has a copy of the Notice of Completion been included	20	N/A
3	If Part II Order request(s) were received for the undertaking, has a copy of the Director's or Minister's decision been included together with the name of the requestor and date of the request?	10	N/A
4	For a completed Environmental Screening Process, has a copy of the proof of completion been included	20	N/A
5	If Elevation request(s) were received for the undertaking, has a copy of the Director's decision been included	10	N/A
EBR			
No	Is the proposal subject to EBR?		
If exempt, has the reason and supporting information been provided		10	N/A
Consultation / Notification			
Yes	Was there preconsultation with Ministry Staff?		
Was supporting information provided describing when the meeting took place and who from the MOECC attended		10	Yes
No	Was there consultation with the public? (N/A for wastewater)		
No	Was there consultation with First Nations & Métis?		
Site Information			
No	Does the NEPDA or the ORMCA apply to the Site?		
Land Owner, contact information and signed letter of consent to install and operate		10	N/A
Operating Authority name, contact information		10	N/A
Source Protection			
Yes	Is the proposed activity located in vulnerable area identified in the source protection interactive mapping tool?		
Enter vulnerability score:		6	
Has the secondary screening been completed by SPPB?		N/A	
Financial Assurance (FA) Calculation			
No	Is the application subject to Financial Assurance requirements? (N/A for air, noise & wastewater)		

20	0	0
20	0	0
10	0	0
20	0	0
10	0	0

10	0	0

10	10	10

10	0	0
10	0	0

Air Section

0 out of 0

Required Documentation	Quality	Yes, No, N/A	Comments
EASR Eligibility			
☐ Is the activity or activities EASR eligible?			
Regulation 419 Compliance Requirements			
Was a North American Industry Classification System (NAICS) code submitted?	20	☐	
Is this a schedule 4 or Schedule 5?			
☐ Is same structure contamination applicable and addressed?			
Which Reg. 419 instruments have been identified in the application (as referred to in section 5.1.3 of the ECA application form)			
☐ Speed up Request (section 20(4))			
☐ Modelling Request 7(1)			
☐ Met Data Request 13(1)			
☐ Technical Standard for some contaminants			
☐ Technical Standard for ALL Contaminants			
☐ Site Specific Standard			
☐ Section 4(2) adjacent property			
☐ Other			
Applicable Compliance Point			
This application is eligible for Schedule 3 Standards Only			
Applicable Dispersion Modelling			
Must use AERMOD v. 14.134 or Screen 3 to assess offsite POI impacts			
Must use standard modelling data set			
ESDM Report			
Was the ESDM report submitted?	40	☐	
ESDM Checklist, signed & dated by applicant & technical contact	20	☐	
Introduction and Facility Description			
The Facility Description should be provided in adequate detail to select and justify appropriate facility operating conditions	1	☐	
Facility Production Limit, Limited Operational Flexibility approvals only	1	☐	
Process flow diagram in accordance with facility description and process flow diagram	1	☐	
Operating schedule provided	1	☐	
Details of proposed air pollution control equipment:			
1 Pollution control equipment	4	☐	
2 Description of emission sources controlled	4	☐	
Executive Summary			
Overview of the ESDM report and Emissions Summary Table	2	☐	

Initial Identification of Sources and Contaminants & Assessment of the Significance of Sources & Contaminants			
Sources & Contaminants Identification Table			
1	Source Description or Title	4	
2	General Location	4	
3	Contaminants	4	
4	Significant (Yes or No)	4	
4a	Was justification for non-significant sources provided (N/A for significant sources)?	4	
Operating Conditions, Emission rate estimating and Data Quality			
For each contaminant, description of the facility operating condition(s)		4	
Detailed sample calculations provided		4	
Source Summary Table			
Source summary table provided in accordance with section 26(1) of O. Reg. 419			
1	Source Identifier	2	
1	Source Description	2	
2	Stack Volumetric Flow Rate (m³/s)	2	
3	Stack Exit Gas Temperature (°C)	2	
4	Stack Inner Diameter (m)	2	
	Stack Height Above Grade (m)	2	
1	Stack Height Above Roof (m)	2	
2	Source Coordinates (x,y) (m)	2	
3	Contaminant	2	
4	Contaminant CAS (Chemical Abstracts Service) #	2	
5	Maximum Emission Rate (g/s)	2	
6	Averaging Period (hours)	2	
7	Emission Estimating Technique	2	
8	Emissions Data Quality	2	
Minimum Site Plan requirements provided in accordance with section 26(1) of O. Reg. 419 and as per Reg. 265:			
Was the Site Plan submitted?		40	
Location of all air sources		20	
Property boundary of the site of the activity, including geographic coordinates		2	
Locations of buildings, structures, roads, railway tracks, paved areas, site fencing and pollution control devices (roof plan)		2	
Boundary of Lake Simcoe watershed, Niagara Escarpment Planning Area, Oak Ridges Moraine Area or Protected Countryside that is within 125 metres of the site		2	
Site zoning (for type of activity)		2	
North Arrow		2	
Drawing to Scale with Scale noted		2	
Drawing is big enough to read		10	
Legend		2	
Fully labelled, measurements/dimensions expressed in metric value		5	

Emission Summary Table			
This application is eligible for Schedule 3 Standards Only			
Was the correct POI limit schedule used for assessment?		40	
1	Contaminant Name	2	
2	Contaminant CAS #	2	
3	Total Facility Emission Rate (g/s)	2	
4	Air Dispersion Model Used	2	
5	Maximum POI Concentration (µg/m³)	2	
6	Averaging Period (hours)	2	
7	MOE POI Limit (µg/m³)	2	
8	Limiting Effect	2	
9	Percentage of MOE POI Limit	2	
10	Do all the POI concentrations meet MOE criterion?	40	
11	Do all of the contaminants listed have a MOE POI Limit?		
12	Has the applicant completed <i>Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit</i> ?	30	
July 2016 Phased-in Contaminants			
	Does the emission summary table include any of the following contaminants? Benzene; 1, 3-Butadiene; Chromium (0,II,III); Chromium (VI); Dioxins, furans and dioxin-like PCBs; Manganese & manganese compounds; Nickel and nickel compounds; Benzo-a-pyrene; Uranium and uranium compounds (PM10 fraction) (Applies only for Schedule 3 standards)		
1	Was the annual average provided?	2	
2	Was the annual assessment value (AAV) provided?	2	
3	Was the URT provided?	2	
4	Do these contaminants meet the AAV, annual average, and URT criteria?	20	
Description of the way the approved model was used			
Must use AERMOD v. 14134 or Screen 3 to assess offsite POI impacts			
Must use standard modelling data set			
Has the correct version of dispersion modelling been used for assessment?		40	
	Is the Dispersion Modelling Input Summary Table provided	2	
	Dispersion Modelling printout of input/output sheet	2	
	Digital input/output files for dispersion modelling	2	
Other Ministry Air Compliance Requirements			
Was any of the following included in the application?			
	Emission Limits for Internal Combustion Engines used for Non-Emergency Power Generation		
	Guideline A-1 Biomedical Waste Incinerators		
	Guideline A-5 Stationary Combustion Turbines		
	Guideline A-7 New Municipal Waste Incinerators		
	Guideline A-8 CWS for Hg & D/F (HazWaste Incinerators, iron & steel)		
	Guideline A-9 NOx Emissions from Boilers and Heaters		
	CEMS		
	Opacity, Source testing		
	Tire Burning		
	Waste Derived Fuel Heaters		
	Guideline A-13 (Control of air emissions from large wood fire combustors/larger than 3 mW)		
	Other		
Have they provided supporting documentation related to the OTHER MINISTRY AIR COMPLIANCE REQUIREMENTS		10	

Noise Section

0 out of 0

Required Documentation		Quality	Yes, No, N/A	Comments
	Stationary or mobile?			
	Is the activity or activities EASR eligible?			
	Are they more than 1 km from a receptor?			
What kind of noise documentation was provided?				
Did they provide Vibration Documentation?				
	Is there any information to suggest that vibration is an issue (ex. complaints have been logged for this site) or are there significant vibration sources, such as stamping presses or forging hammers present at the facility?			

1326	0	0

Wastewater Section

Stage 1 Quality Score 153 out of 163

Zoning:		<i>Other</i>	
Adjacent Zoning:		<i>Parks & Open Space</i>	
Other:		<i>Residential</i>	

Type(s) of Works (check all that apply)	Branch
Stormwater Management (SWM)	☒ EAASIB
Sewage Pumping Station	☐
Subsurface Sewage Disposal Works	☐
Treatment of Industrial Process Wastewater	☐
Sewer / Conveyance ditch / Forcemain	☐
Sewage Treatment Plant or Lagoon	☐
Mining	☐
Groundwater Remediation Wastewater Stream	☐
Mobile	☐
Renewal	☐
Other	☐

Required Documentation	Stage 1	Quality	Yes, No, N/A	Comments
Has statement of municipality in the application form been completed? (N/A for Industrial Wastewater applications)	10	No		Request municipality signature
Site Plan / Engineering Drawings				
1 Engineering drawings submitted?	40	Yes		
2 Are engineering drawings signed and stamped by P. Eng.?	20	Yes		
3 Boundary of the site of the activity	2	Yes		
4 North Arrow	2	Yes		
5 Drawing to Scale with Scale noted	2	Yes		
6 Drawing is big enough to read	10	Yes		
7 Legend	2	Yes		
8 Fully labelled, measurements/dimensions expressed in metric value	5	Yes		
Sewers / conveyance ditches / forcemains				
Stormwater Management (SWM)				
Type of stormwater management				
SWM Report				
1 Is there a stormwater report?	40	Yes		
2 Is report signed and stamped by a Professional Engineer?	10	Yes		
1 Description of project area	10	Yes		
A reference to quality & quantity controls and criteria	10	Yes		
2 Description of all industrial processes/activities (for industrial sewage applications only)	10	N/A		
Additional Information:				
Conservation Authority (CA) or Ministry of Natural Resources (MNR) or MOE clearance	20	N/A		
Oil / Grit Separator only				
Design Brief, calculations and manufacturers specifications	40	N/A		

Sewage Pumping Station
Subsurface Sewage Disposal Works

|

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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Ministry of the Environment and
Climate Change
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (416) 212-3679

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 212-3679



December 21, 2016

Mary Jarvis, MCIP, RPP, VP of Land Development
Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Dear Mary Jarvis:

**Re: Application for Approval of Municipal and Private Sewage Works
Amendment to ECA # 0166-ACPSEZ - Change of Outlet Location for Dry Pond
City of Ottawa
Reference Number 6686-AGCJP3**

We acknowledge receipt of your application for approval dated October 20, 2016 and received on December 2, 2016, and an application fee in the amount of \$800.00 for the following:

Approval Type: Municipal and Private Sewage Works

Project Description: This proposal is for an amendment of Environmental Compliance Approval number 0166-ACPSEZ, for Riverside South Development Corp., to include proposed changes in outlet location of dry pond # 2, for the Riverside South Phase 8 development, located on part of 980 Earl Armstrong Road, in the City of Ottawa, Ontario.

Site Location: Part of 980 Earl Armstrong Road
Lot 21, Concession 1
City of Ottawa, Ontario

The Ministry's reference number for your application is 6686-AGCJP3. Please quote this number in any correspondence or enquiries regarding this application.

We have screened your submission for completeness and find that the following additional information/documentation is necessary for us to process your application:

1. Please complete section 1.5 (page 7) - "Statement of the Municipality" on the ECA form and re-submit revised page.

Please be advised that should we not receive the above information/documentation or a response with explanations within two weeks of the date of this letter, we will consider your application withdrawn, and close your file accordingly. The submitted fee would then be refunded in the amount reduced by any applicable non-refundable fee.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at that time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible including the missing information/documentation identified above.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Miten Shah
Application Assessment Officer

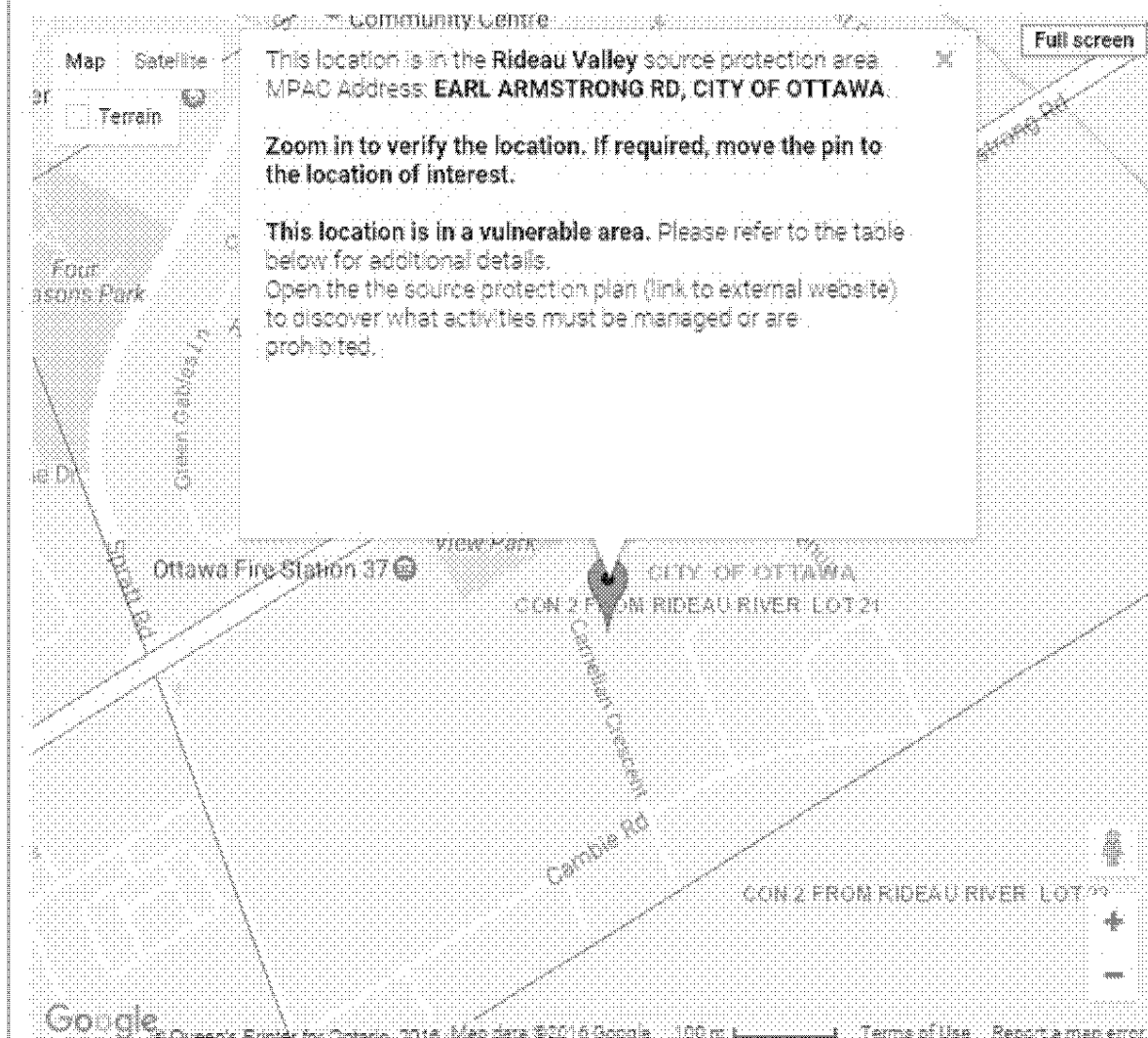
c: District Manager, MOECC Ottawa
Lucie Dalrymple, P.Eng., J.L. Richards & Associates Limited (ldalrymple@jlrichards.ca)

COMMENT / MEMORANDUM TO FILE

Document Author:	Miten Shah
Created On:	2016/12/21
C of A:	M&P Sewage CofA
Client:	Riverside South Development Corp.
Project Description:	
Reference Number:	6686-AGCJP3
Subject:	Source Protection: Screened Out

Notes:

This application has been screened using the Source Protection Information and Policy Search Tool and it was determined that the activity is not considered a significant drinking water threat and no source protection policies apply.



Search Results

Location Information

Latitude: 45.272425 Longitude: -75.684246
UTM Zone: 18 Easting: 446327 Northing: 5013442
Upper Tier Municipality Name: N/A
Single and/or Lower Tier Municipality Name: CITY OF OTTAWA
Township, Concession and Lot: GLOUCESTER CON 2 FROM RIDEAU RIVER, LOT 21
Assessment Roll Number: 06146000252350000000
MPAC Street Address: EARL ARMSTRONG RD, CITY OF OTTAWA

Source Water Protection Details for Location

Source Protection Area: Rideau Valley
Intake Protection Zone: No
Wellhead Protection Area: No
WHPA E (GUDI): No
Issue Contributing Area: No
Significant Groundwater Recharge Area: No
Highly Vulnerable Aquifer: Yes: score is 6
Event Based Area: No
To see if any land activities are restricted, check the policies in the source protection plan (links to external web page).
Information is current as of: 09-08-2016

Document Links and Comments:	Insert Comments Here
Attachment Names:	

Application for Certificate of Approval of Municipal and Private Sewage Works

Approved

Client Information
Site Information
Project Technical Info Contact
Project Information

Instrument Information/Tracking
Supporting Information Checklist
Application Fees
Fees Tracking

EBR Requirements
EBR Tracking
EAA Requirements
Signatures

FA Document
Approved Certificate
Related Documents

APPLICATION SUMMARY

Work Unit: Application Assessment Unit

Status	Approved	Assigned					
IDS Reference #	6616-A79RGP	File #	0866				
C of A #	0965-A7HJ9E						
Application Type	New Certificate of Approval						
Client Name	Riverside South Development Corp.	Client #	8501-6MWRSN				
Client Aliases							
Site Name	Riverside South Phase 6	Site #	0219-A79RE8				
NAICS Code	-						
Project Name	ToR - Storm and Sanitary Sewers on Riverside South Phase 6						
Technical Reviewer	Shehani Serasinghe						
Assigned	2016/02/26						
Last Action	Approved	By	Gregory Zimmer				
<table border="1"> <tr> <td>Document Links and Comments:</td> <td>Insert Comments Here</td> </tr> <tr> <td>Attachment Names:</td> <td></td> </tr> </table>				Document Links and Comments:	Insert Comments Here	Attachment Names:	
Document Links and Comments:	Insert Comments Here						
Attachment Names:							
Information Requests	Please click button--->	Initiated by	Client				
Supplementary Reviews	Please click button--->						
Age	25 days						



From: [Elliott, Gord](#)
To: [Serasinghe, Shehani \(MOECC\)](#)
Cc: [ldalrymple@jrichards.ca](#); [Curtiss Scarlett](#); "Mary Jarvis"
Subject: RE: Riverside South Development Corporation
Date: March 7, 2016 10:58:12 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)
[image003.png](#)

Good morning Shehani,

The proposed works are shown in the set of engineering plans submitted with the ECA application(see Drawing# G3) & involves intercepting an existing ditch described as Tributary # 14 (undeveloped land) to a new proposed DICB .

The "drainage works" could be described as *a 5.0 metre wide ditch (swale) approximately 290 metres in length from Limebank Road to Ceremonial Road, over part of Part 1, Plan 4R-10009.*

Please do not hesitate to contact me if you have any additional questions,
Thank you,

Gordon Elliott, C.E.T.

Project Manager, Infrastructure Approvals
Development Review - Suburban Services - East Unit
Gestionnaire de projet, Approbation des demandes d'infrastructure
Examen des demandes d'aménagement (Services suburbains est)



City of Ottawa | Ville d'Ottawa

613.580.2424 ext./poste 27804
ottawa.ca/planning / ottawa.ca/urbanisme

From: Serasinghe, Shehani (MOECC) [<mailto:Shehani.Serasinghe@ontario.ca>]
Sent: Monday, March 07, 2016 9:27 AM
To: Elliott, Gord
Cc: [ldalrymple@jrichards.ca](#)
Subject: ToR: Riverside South Development Corporation

Good Morning Gord,

I will be drafting the ECA for the above client for the site located at 980 and 1420 Earl Armstrong Road in Ottawa.

The third bullet on your draft certificate is:

“offsite drainage works on Part of Part 1, Plan 4R-10009 (from Limebank Road to Ceremonial Road (Tributary 14- approximately 300 m))”

Could you kindly revise the this sentence to elaborate on the word “drainage works”?

Thank you.

Regards,

Shehani Serasinghe

Application Assessment Officer | Application Assessment Unit
Environmental Approvals Access and Service Integration Branch
135 St. Clair Avenue West, Floor 2| Toronto ON M4V 1P5
☎ (416) 314-8216 | 📠 (416) 314-8452



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ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0965-A7HJ9E
Issue Date: March 13, 2016

Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Riverside South Phase 6
Part of 980 and 1420 Earl Armstrong Road
Part of Lot 21, Concession 2 (Rideau Front)
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers and offsite drainage works to be constructed in the City of Ottawa, as follows:

- sanitary sewers on Ceremonial Road ((Collector D, from Station 1 + 074 (north) to Station 1 + 390 (south)), Driftcurrent Avenue ((Collector E) from Station 2 + 239 (north) to Station 2 + 352 (south)), Piccolo Court (from Station 3 + 035 (west) to Station 3 + 198 (east)), and Town Square Boulevard (Rapid Transit Corridor) (from Station 0 + 337 (east) to Station 0 + 624 (west));
- storm sewers on Ceremonial Road ((Collector D) from Station 1 + 074 (north) to Station 1 + 405 (south)), Driftcurrent Avenue ((Collector E) from Station 2 + 053 (north) to Station 2 + 320 (south)), and Piccolo Court (from Station 3 + 032 (west) to Station 3 + 200 (east)); and
- offsite drainage ditch on Part of Part 1, Plan 4R-10009 (from Limebank Road to Ceremonial Road (Tributary 14- approximately 300 m))

all in accordance with the application from Riverside South Development Corp. dated January 14, 2016, including final plans and specifications prepared by J. L. Richards and Associates Ltd., Consulting Engineers.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of March, 2016



Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

SS/

c: District Manager, MOECC Ottawa
Lucie Dalrymple, J.L. Richards and Associates Limited
Charles Warnock, P.Eng., City of Ottawa
Linda Carkner, Program Manager, City of Ottawa, Infrastructure Services
M. Rick O'Connor, City Clerk, City of Ottawa (File No. D07-16-10-0002)

Ministry of the Environment and
Climate Change
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (416) 314-8216

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 314-8216



February 25, 2016

TOR: LETTER NOT REQUIRED

Dear Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
ToR - Storm and Sanitary Sewers on Riverside South Phase 6
City of Ottawa
Reference Number 6616-A79RGP**

We acknowledge receipt of your application for approval dated January 14, 2016 and received on February 16, 2016 for the following:

Approval Type: Municipal and Private Sewage Works

Project Description: This proposal is for an Environmental Compliance Approval from Riverside South Development Corp. for the installation of Sanitary and Storm Sewers to be constructed on Earl Armstrong Road in the Municipality of Ottawa.

Site Location: Riverside South Phase 6
980 Earl Armstrong Rd Part of and 1420 Earl Armstrong Road
City of Ottawa

The Ministry's reference number for your application is 6616-A79RGP. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Shehani Serasinghe
Application Assessment Officer

c: District Manager, MOECC Ottawa
Lucie Dalrymple, J.L. Richards and Associates Limited

Application for Certificate of Approval of Municipal and Private Sewage Works

Revoked and Replaced

Client Information
Site Information
Project Technical Info Contact
Project Information

Instrument Information/Tracking
Supporting Information Checklist
Application Fees
Fees Tracking

EBR Requirements
EBR Tracking
EAA Requirements
Signatures

FA Document
Approved Certificate
Related Documents

APPLICATION SUMMARY

Work Unit: Application Verification Unit

Status	Revoked and/or Replaced	Assigned					
IDS Reference #	9367-A58MLZ	File #	1184				
C of A #	1233-A63ST8						
Application Type	New Certificate of Approval						
Client Name	Riverside South Development Corp.	Client #	8501-6MWRSN				
Client Aliases							
Site Name	980 Earl Armstrong Road	Site #	5194-7YAP3W				
NAICS Code	-						
Project Name	ToR - Sanitary and Storm Sewer on Earl Armstrong Road						
Technical Reviewer	Yue Hu						
Assigned	2016/01/11						
Last Action	Revoked and/or Replaced	By	Gregory Zimmer				
<table border="1"> <tr> <td>Document Links and Comments:</td> <td>Insert Comments Here</td> </tr> <tr> <td>Attachment Names:</td> <td></td> </tr> </table>				Document Links and Comments:	Insert Comments Here	Attachment Names:	
Document Links and Comments:	Insert Comments Here						
Attachment Names:							
Information Requests	Please click button--->	Initiated by	Client				
Supplementary Reviews	Please click button--->						
Age	36 days						





ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1233-A63ST8
Issue Date: January 19, 2016

Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Riverside South Phase 8
Part of 980 Earl Armstrong Road
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers to be constructed in the City of Ottawa, as follows:

- sanitary sewers on Cambie Road (from Station 1+040 to Station 1+729), Sarenade Crescent (from Station 2+040 to 2+110 and from Station 5+193 to Station 5+227), Dreamcatcher Place (from Station 3+039 to Station 3+110), Amulet Grove (from Station 5+052 to Station 5+193), Carnelian Crescent (from Station 6+040 to Station 6+744), Taurus Place (from Station 0+040 to Station 0+109), Ralph Hennessy Avenue (from Station 8+070 to Station 8+464), Dolce Place (from Station 11+040 to Station 11+161), Larimar Circle (from Station 12+011 to Station 12+423), Portico Way (from Station 13+046 to Station 13+189), Markdale Terrace (from Station 9+040 to Station 9+890), Guardian Grove (from Station 10+040 to Station 10+160), Tributary Easement (from Station 14+019 to Station 14+124) and Spratt Road (from Station 0+256 to Station 0+400); and
- storm sewers on Cambie Road (from Station 1+040 to Station 1+729), Sarenade Crescent (from Station 2+040 to 2+110 and from Station 5+193 to Station 5+227), Amulet Grove (from Station 5+052 to Station 5+193), Carnelian Crescent (from Station 6+040 to Station 6+744), Taurus Place (from Station 0+040 to Station 0+109), Ralph Hennessy Avenue (from Station 8+070 to Station 8+464), Dolce Place (from Station 11+040 to Station 11+161), Larimar Circle (from Station 12+011 to Station 12+423), Portico Way (from Station 13+079 to Station 13+187), Markdale Terrace (from Station 9+040 to Station 9+890), Guardian Grove (from Station 10+040 to Station 10+160), Tributary Easement (from Station 14+019 to Station 14+124) and Spratt Road (from Station 0+256 to Station 0+400);

all in accordance with the application from Riverside South Development Corp., dated November 25, 2015, including final plans and specifications prepared by J.L. Richards & Associates Limited.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 19th day of January, 2016



Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

YH/

c: District Manager, MOECC Ottawa District Office

M. Rick O'Connor, Clerk, City of Ottawa

Charles Warnock, P.Eng., City of Ottawa (File No. D07-16-13-0027)

Linda Carkner, Program Manager, Infrastructure Services, City of Ottawa

Lucie Dairymple, P.Eng., J.L. Richards & Associates Limited

Ministry of the Environment and
Climate Change
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (416) 212-3680

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 212-3680



January 7, 2016

ToR – Letter not Required.

Dear Sir/Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
ToR - Sanitary and Storm Sewer on Earl Armstrong Road
City of Ottawa
Reference Number 9367-A58MLZ**

We acknowledge receipt of your application for approval dated November 25, 2015 and received on December 11, 2015 for the following:

Approval Type: Municipal and Private Sewage Works

Project Description: The proposal is for a new Environmental Compliance Approval from Riverside South Development Corp. for the installation of Sanitary and Storm Sewers to be constructed on Cambie Road, Sarenade Crescent, Dreamcatcher Place, Amulet Grove, Carnelian Crescent, Taurus Place, Ralph Hennessy Avenue, Dolce Place, Larimar Circle, Portico Way, Markdale Terrace, Guardian Grove, Tributary Easement and Spratt Road in the City of Ottawa.

Site Location: 980 Earl Armstrong Road
Part of Lot 21, Concession 1
City of Ottawa

The Ministry's reference number for your application is 9367-A58MLZ. Please quote this number in any correspondence or enquiries regarding this application.

We have screened your submission for completeness and find that the following additional information/documentation is necessary for us to process your application:

1. ToR checklist
2. Final Plans stamped, signed and dated by P.Eng.

Please be advised that should we not receive the above information/documentation or a response with explanations within two weeks of the date of this letter, we will consider your application withdrawn, and close your file accordingly.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at that time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible including the missing information/documentation identified above.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Yue Hu
Environmental Assistant

c: District Manager, MOECC Ottawa District Office
Lucie Dalrymple, P.Eng., J.L. Richards & Associates Limited

Application for Certificate of Approval of Municipal and Private Sewage Works

Approved

Client Information	Instrument Information/Tracking	EBR Requirements	FA Document
Site Information	Supporting Information Checklist	EBR Tracking	Approved Certificate
Project Technical Info Contact	Application Fees	EAA Requirements	Related Documents
Project Information	Fees Tracking	Signatures	

APPLICATION SUMMARY

Work Unit: Application Evaluation Section

Status	Approved	Assigned	
IDS Reference #	1505-APTQBG	File #	1019
C of A #	4644-AQBJRW		
Application Type	New Certificate of Approval		
Client Name	Urbandale Corporation	Client #	2486-APESKH
Client Aliases			
Site Name	Riverside South Phase 13	Site #	1370-APKLCV
NAICS Code	23711 - Water and Sewer Line and Related Structures Construction		
Project Name	ToR - SWM Dry Pond servicing Riverside South Phase 13 Subdivision		
Technical Reviewer	Miten Shah		
Assigned	2017/08/17		
Last Action	Approved	By	Christina Labarge
Document Links and Comments:	Insert Comments Here		
Attachment Names:			
Information Requests	Please click button--->	Initiated by	Client
Supplementary Reviews	Please click button--->		
Overall Ministry Turnaround Time	14	Age [Calendar Days]	21

[Business Days]

Approvals-only Turnaround Time [Business Days]	14

Ministry of the Environment and
Climate Change
Operations Division
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (416) 212-3679

Ministère de l'Environnement et de
l'Action en matière de changement
climatique
Division des Opérations
1er étage
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (416) 212-3679



August 16, 2017

---- DO NOT SEND ---- Transfer of Review (ToR)

Marcel Denomme, Director - Planning and Land Development
Urbandale Corporation
2192 Arch St
Ottawa, Ontario
K1G 2H5

Dear Sir/Madam:

**Re: Application for Approval of Municipal and Private Sewage Works
ToR - SWM Dry Pond servicing Riverside South Phase 13 Subdivision
Ottawa City
Reference Number 1505-APTQBG**

We acknowledge receipt of your application for approval dated May 25, 2017 and received on July 31, 2017 for the following:

Approval Type: Municipal and Private Sewage Works

Project Description: This proposal is for a new Environmental Compliance Approval for Urbandale Corporation, for the establishment of stormwater management Works to service Riverdale South Phase 13 development, located at 4623, 4721 Spratt and 980 Earl Armstrong in the City of Ottawa, Ontario.

Site Location: Riverside South Phase 13
4623 and 4721 Spratt Road, 980 Earl Armstrong Road
Lot Part of Lots 21, 22, and 23, Concession 1
City of Ottawa, Ontario

The Ministry's reference number for your application is 1505-APTQBG. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Also, please note that a duplicate copy of the application and all supporting information should have been sent to the local District Office of the Ministry. If this has not been done, please do so as soon as possible.

Should you have any questions related to your application, please contact me at the above phone number.

Sincerely,

Miten Shah
Application Assessment Officer

c: District Manager, MOECC Ottawa
Karin Smadella, P.Eng., Stantec Consulting Ltd.

From: [Smadella, Karin](#)
To: [Shah, Miten \(MOECC\)](#); [Sevigny, John](#)
Cc: [Warnock, Charles](#); [Moroz, Peter](#)
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation
Date: August 22, 2017 9:46:44 AM

Thanks Miten,

We recommend that the expiry date for the Approval of Interim Works be set at **AUGUST 30, 2029**.

Thank you,

Karin

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]
Sent: Tuesday, August 22, 2017 9:39 AM
To: Smadella, Karin <Karin.Smadella@stantec.com>; Sevigny, John <John.Sevigny@ottawa.ca>
Cc: Warnock, Charles <Charles.Warnock@ottawa.ca>; Moroz, Peter <peter.moroz@stantec.com>
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Morning,

Specific date is usually required for "Interim Works" which can be extended through an amendment of ECA application considering "Minor Amendment (if there is no other changes to currently approved Works)" for change of expiry date.

Thanks
Miten

From: Smadella, Karin [<mailto:Karin.Smadella@stantec.com>]
Sent: August-21-17 1:42 PM
To: Sevigny, John; Shah, Miten (MOECC)
Cc: Warnock, Charles; Moroz, Peter
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Afternoon Miten,

The City originally suggested that the ECA for the interim works will expire after 5 years. However, the interim works shall remain in place until lands outside of this plan of subdivision develop. The timing of these works is unknown at this time but development is expected to be more than 5 years from now and could be up to 15 years down the road. For this reason, the wording that was provided in the draft ECA forwarded by the City of Ottawa allowed some flexibility.

If a specific date must be included in the ECA, can you please advise of the process required to extend the approval of the interim works?

I have no other comments on the draft ECA.

Thank you,

Karin

Karin Smadella, P.Eng.

Project Manager, Community Development
Stantec
400 - 1331 Clyde Avenue, Ottawa ON K2C 3G4
Phone: (613) 724-4371
Fax: (613) 722-2799
Karin.Smadella@stantec.com

From: Sevigny, John [<mailto:John.Sevigny@ottawa.ca>]
Sent: Friday, August 18, 2017 11:11 AM
To: 'Shah, Miten (MOECC)' <Miten.Shah@ontario.ca>
Cc: Warnock, Charles <Charles.Warnock@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>; Moroz, Peter <peter.moroz@stantec.com>
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Hi Miten.

Please find attached the MOE Certificate of Approval for Pond 1. Also, the City is the owner of the pond and provides clearance for the proposed works.

Sincerely,

***** Absence alert: Please note that I will be out of the office as of August 28th, 2017 and will be returning to the office on September 5th, 2017*****

John Sevigny, C.E.T.

Project Manager, Infrastructure Approvals
Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*
Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique
City of Ottawa | Ville d'Ottawa
110 Laurier Avenue West, Ottawa, ON | 110, avenue Laurier Ouest, Ottawa (Ontario) K1P 1J1
613.580.2424 ext./poste **14388**, fax/téléc: 613-580-2576, john.sevigny@ottawa.ca

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]
Sent: Friday, August 18, 2017 9:51 AM
To: Sevigny, John <John.Sevigny@ottawa.ca>
Cc: Warnock, Charles <Charles.Warnock@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>; Moroz, Peter <peter.moroz@stantec.com>
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Morning John,

Thanks for quick response. Can you please clarify/provide following:

1. Provide copy of the ECA # 3-0263-96-0006.
2. Name of the ECA owner for Pond 1. If different from Urbandale Corporation, provide

clearance letter from current owner of Pond # 1.

Please contact me if you have any questions.

Thanks,

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

From: Sevigny, John [<mailto:John.Sevigny@ottawa.ca>]
Sent: August-17-17 3:05 PM
To: Shah, Miten (MOECC)
Cc: Warnock, Charles; Smadella, Karin; Moroz, Peter
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Hi Miten,
Please see below in RED. The City does not have any comments on the draft ECA.
On behalf of the owner of the works, Peter Moroz or Karin Smadella will confirm if they have comments.

NOTE: Karin Smadella is away until August 21st.

Sincerely,

John Sevigny, C.E.T.
Project Manager, Infrastructure Approvals
Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*
Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure
et du développement économique
City of Ottawa | Ville d'Ottawa
110 Laurier Avenue West. Ottawa, ON | 110, avenue. Laurier Ouest. Ottawa (Ontario) K1P 1J1
613.580.2424 ext./poste **14388**, fax/téléc:613-580-2576, john.sevigny@ottawa.ca

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]
Sent: Thursday, August 17, 2017 2:29 PM
To: Warnock, Charles <Charles.Warnock@ottawa.ca>; Sevigny, John <John.Sevigny@ottawa.ca>;
Smadella, Karin <Karin.Smadella@stantec.com>
Subject: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Afternoon,

I have attached **draft ECA** for the Transfer of Review (ToR) application, for Urbandale Corporation, having above mentioned reference.

Please provide following:

1. Condition - 2.3 requires to include "**DATE**" as per standard condition mentioned in Schedule "D" of the agreement.

AUGUST 30, 2022

2. Provide existing ECA number for downstream Pond # 1, which is to be used for stormwater quality control.

SEWAGE #3-0263-96-0006

Please review this draft and respond with any additional comments you may have. However, this draft has not been reviewed by my supervisor yet and there may be some changes in later stage.

Try to provide your response as soon as possible or by **August 21, 2017**, to continue review of this application.

Should you have any questions, please contact me.

Thank you.

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

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From: Warnock, Charles
To: Shah, Miten (MOECC)
Cc: Sevigny, John; Smadella, Karin
Subject: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation
Date: August 17, 2017 4:01:43 PM

Hi Miten, could you please copy Cody Oram at the end of the ECA:

Cody Oram, P.Eng., Senior Engineer, Development Review, City of Ottawa

Thanks.

Charles

From: Shah, Miten (MOECC) [mailto:Miten.Shah@ontario.ca]
Sent: August 17, 2017 2:29 PM
To: Warnock, Charles <Charles.Warnock@ottawa.ca>; Sevigny, John <John.Sevigny@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>
Subject: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Afternoon,

I have attached **draft ECA** for the Transfer of Review (ToR) application, for Urbandale Corporation, having above mentioned reference.

Please provide following:

1. Condition - 2.3 requires to include **"DATE"** as per standard condition mentioned in Schedule "D" of the agreement.
2. Provide existing ECA number for downstream Pond # 1, which is to be used for stormwater quality control.

Please review this draft and respond with any additional comments you may have. However, this draft has not been reviewed by my supervisor yet and there may be some changes in later stage.

Try to provide your response as soon as possible or by **August 21, 2017**, to continue review of this application.

Should you have any questions, please contact me.

Thank you.

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

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From: Sevigny, John
To: Shah, Miten (MOECC)
Cc: Warnock, Charles; Smadella, Karin; Moroz, Peter
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation
Date: August 17, 2017 3:04:56 PM

Hi Miten,

Please see below in RED. The City does not have any comments on the draft ECA. On behalf of the owner of the works, Peter Moroz or Karin Smadella will confirm if they have comments.

NOTE: Karin Smadella is away until August 21st.

Sincerely,

John Sevigny, C.E.T.

Project Manager, Infrastructure Approvals

Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*

Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique

City of Ottawa | Ville d'Ottawa

110 Laurier Avenue West, Ottawa, ON | 110, avenue, Laurier Ouest, Ottawa (Ontario) K1P 1J1

613.580.2424 ext./poste **14388**, fax/télec:613-580-2576, john.sevigny@ottawa.ca

From: Shah, Miten (MOECC) [mailto:Miten.Shah@ontario.ca]

Sent: Thursday, August 17, 2017 2:29 PM

To: Warnock, Charles <Charles.Warnock@ottawa.ca>; Sevigny, John <John.Sevigny@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>

Subject: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Afternoon,

I have attached **draft ECA** for the Transfer of Review (ToR) application, for Urbandale Corporation, having above mentioned reference.

Please provide following:

1. Condition - 2.3 requires to include "**DATE**" as per standard condition mentioned in Schedule "D" of the agreement.

AUGUST 30, 2022

2. Provide existing ECA number for downstream Pond # 1, which is to be used for stormwater quality control.

SEWAGE #3-0263-96-0006

Please review this draft and respond with any additional comments you may have. However, this draft has not been reviewed by my supervisor yet and there may be some changes in later stage.

Try to provide your response as soon as possible or by **August 21, 2017**, to continue review of this application.

Should you have any questions, please contact me.

Thank you.

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

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From: [Sevigny, John](#)
To: [Shah, Miten \(MOECC\)](#)
Cc: [Warnock, Charles](#); [Smadella, Karin](#); [Moroz, Peter](#)
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation
Date: August 18, 2017 11:11:38 AM
Attachments: [SWF-1703 - 3-0263-96-006.pdf](#)

Hi Miten.

Please find attached the MOE Certificate of Approval for Pond 1. Also, the City is the owner of the pond and provides clearance for the proposed works.

Sincerely,

***** Absence alert: Please note that I will be out of the office as of August 28th, 2017 and will be returning to the office on September 5th, 2017*****

John Sevigny, C.E.T.

Project Manager, Infrastructure Approvals

Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*

Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique

City of Ottawa | Ville d'Ottawa

110 Laurier Avenue West, Ottawa, ON | 110, avenue, Laurier Ouest, Ottawa (Ontario) K1P 1J1

613.580.2424 ext./poste **14388**, fax/téléc: 613-580-2576, john.sevigny@ottawa.ca

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]

Sent: Friday, August 18, 2017 9:51 AM

To: Sevigny, John <John.Sevigny@ottawa.ca>

Cc: Warnock, Charles <Charles.Warnock@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>; Moroz, Peter <peter.moroz@stantec.com>

Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Morning John,

Thanks for quick response. Can you please clarify/provide following:

1. Provide copy of the ECA # 3-0263-96-0006.
2. Name of the ECA owner for Pond 1. If different from Urbandale Corporation, provide clearance letter from current owner of Pond # 1.

Please contact me if you have any questions.

Thanks,

Miten Shah

Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,

Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

From: Sevigny, John [<mailto:John.Sevigny@ottawa.ca>]
Sent: August-17-17 3:05 PM
To: Shah, Miten (MOECC)
Cc: Warnock, Charles; Smadella, Karin; Moroz, Peter
Subject: RE: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Hi Miten,
Please see below in RED. The City does not have any comments on the draft ECA.
On behalf of the owner of the works, Peter Moroz or Karin Smadella will confirm if they have comments.

NOTE: Karin Smadella is away until August 21st.

Sincerely,

John Sevigny, C.E.T.
Project Manager, Infrastructure Approvals
Development Review, Suburban Services | *Examen des projets d'aménagement, Services suburbains*
Planning, Infrastructure and Economic Development Department | Services de la planification, de l'infrastructure et du développement économique
City of Ottawa | Ville d'Ottawa
110 Laurier Avenue West, Ottawa, ON | 110, avenue, Laurier Ouest, Ottawa (Ontario) K1P 1J1
613.580.2424 ext./poste **14388**, fax/téléc:613-580-2576, john.sevigny@ottawa.ca

From: Shah, Miten (MOECC) [<mailto:Miten.Shah@ontario.ca>]
Sent: Thursday, August 17, 2017 2:29 PM
To: Warnock, Charles <Charles.Warnock@ottawa.ca>; Sevigny, John <John.Sevigny@ottawa.ca>; Smadella, Karin <Karin.Smadella@stantec.com>
Subject: Draft ECA for ToR Ref # 1505-APTQBG - Urbandale Corporation

Good Afternoon,

I have attached **draft ECA** for the Transfer of Review (ToR) application, for Urbandale Corporation, having above mentioned reference.

Please provide following:

1. Condition - 2.3 requires to include **"DATE"** as per standard condition mentioned in Schedule "D" of the agreement.

AUGUST 30, 2022

2. Provide existing ECA number for downstream Pond # 1, which is to be used for stormwater quality control.

SEWAGE #3-0263-96-0006

Please review this draft and respond with any additional comments you may have. However, this draft has not been reviewed by my supervisor yet and there may be some changes in later stage.

Try to provide your response as soon as possible or by **August 21, 2017**, to continue review of this application.

Should you have any questions, please contact me.

Thank you.

Miten Shah
Application Assessment Officer

Environmental Approvals Access & Service Integration Branch,
Ministry of the Environment and Climate Change
135 St. Clair Ave. W., 2nd Floor,
Toronto, ON, Canada, M4V 1P5
Tel: (416) 212-3679 | Fax: (416) 314-8452

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RIVERSIDE SOUTH POND-1

Gloucester SUC Pond #1

Operating Authority:	City of Gloucester
Location:	On Mosquito Creek, East of River Road and south of Ottawa airport, Gloucester
C of A No.:	3-0263-96-006
Conditions:	
Sampling	- each of the three facility inlets, facility outlet, low flow outlet - volume proportional composite samples except low flow outlet (weekly grab) - SS, e-coli & TP
Reporting	- annual performance submitted to DO by Dec. 31 - all anticipated bypasses ten days prior and unanticipated bypasses forthwith
O & M	- contingency plan and notification procedures, as constructed drawings - batch mode with automatic discharge
Effluent Criteria	- none
Drainage Area:	680 ha

Design & Operation

The facility consists of three cells in series (1, 3 & 5), two sediment forebays (2 & 4) an outlet control structure and a low flow outlet. The facility was designed to operate as a wet pond with batch treatment of up to a one in 100 year storm event. The total active storage capacity is 199,625 m³ with a permanent pool volume of 43,350 m³.

Runoff from the drainage area enters the facility through one of the three inlet pipes in the sediment forebays and cell #1. Water entering sediment forebay #2 is retained by an impoundment structure then discharges into the east side of the lower half of cell #1. Water entering sediment forebay #4 discharges is also retained by an impoundment structure then discharges into the east side of cell #5 at approximately the midpoint. Water entering cell #1 flows into cell #3 which, in turn, flows into cell #5. Water is discharged from the facility through the outlet control structure. This structure consists of a flap gate designed to maintain a constant discharge rate for the future construction and operation of a UV treatment unit. As the water in cell #5 rises the flap gate closes to maintain the constant discharge rate. A perforated pipe is also located at the outlet structure and allows a constant low flow to discharge from the facility to maintain the a flow in the receiving water course. All water is discharged into the downstream reach of Mosquito which discharges into the Rideau River.



Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

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Corporation of the City of Gloucester
P.P. Box 8333, 1400 Blair Place
Gloucester Ontario
K1G 3V5

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

stormwater management facilities, storm sewers and appurtenances to service the South Urban Community on west part of Lots 17, 18 and 19, Gloucester Concession Rideau Front 1, in the City of Gloucester as follows:

Detention Pond

stormwater detention pond consisting of five (5) cells (namely Cell Nos. 1, 3, 5 and forebays Nos. 2 and 4) located on the east side and parallel to River Road, with permanent pool storage volume of approximately 43,350 m³ and total active storage volume of approximately 199,625 m³, to collect and attenuate post development stormwater runoff from a one in 100 year design storm over a total drainage area of approximately 680 ha (510 ha urban and 170 ha rural) via three (3) inlets (one located at southern end of Cell No.1 and the other two inlets located on eastern side of forebay Cells No. 2 and 4) and to discharge to the River Road tributary which leads to the Mosquito Creek at 380 L/s via an outlet control structure as follows:

Cell No.1

approximately 420 m long pond located on the eastern side of River Road with a permanent pool volume of 13,150 m³, sub-divided into two cells (namely forebay No.1 and cell No.1) by a gabion basket flow diffuser, complete with an inlet structure, a flow control/monitoring shed, one draw down/low flow channel and an outlet (impoundment) structure;

the inlet structure consisting of a 1,200 mm diameter manhole located on a 12.5 m of 3000 mm diameter inlet concrete sewer, together with wing walls with aluminum gratings and a draw down/low flow channel connecting the outlet structure;

the outlet impoundment structure located between Cells No. 1 and No.3, consisting of a 20.5 m wide sharp crested weir with four (4) 300 mm diameter orifices, retaining walls and a pedestrian bridge above and across the retaining walls and complete with one draw down manhole having dimensions 1200 mm x 1200 mm fitted with a 457 mm diameter sluice gate, one 20 m of 450 mm diameter inlet sewer from Cell No 1 and one 20 m of 450 mm diameter outlet sewer discharging to Cell No. 3.

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Forebay Cell No.2

the Sediment Forebay approximately 2,000 m² area, having a permanent storage of approximately 1,950 m³, located north of Cell No. 1 and east of Cell No. 3 to collect run off generated from an area east of cell No. 2 via an inlet structure and discharging to Cell No. 3 via an outlet structure;

the outlet structure located between Cells No. 2 and 3, having dimensions 3.55 m x 4.7 m, equipped with a sharp crested weir 7.5 m long, one 300 mm sluice gate, 16 m of 2130 mm x 1400 mm outlet sewer and a 20 m x 5 m spill way at 84.5 m elevation.

Cell No. 3

approximately 300 m long pond located on the eastern side of River Road and north of Cell No. 1 with a permanent pool volume of 14,750 m³, receiving water from Cell No. 1 and forebay cell No. 2, complete with a flow control/monitoring structure, one drawdown / low flow channel and an outlet (impoundment) structure discharging to Cell No. 5;

the outlet impoundment structure located between Cells No. 3 and No.5, consisting of a 20 m wide sharp crested weir at 83.1 m elevation with four (4) 300 mm diameter orifice, one drawdown manhole having dimensions 1220 mm x 1220 mm fitted with a 457 mm diameter sluice gate, one 450 mm diameter inlet sewer from Cell No 3 and one 450 mm diameter outlet sewer discharging to Cell No. 5.

Forebay Cell No.4

the Sediment Forebay approximately 1,500 m² area, having a permanent storage of approximately 1,400 m³, located north of Cell No. 3 and east of Cell No. 5 to collect run off generated from an area east of Cell No. 4 via an inlet structure and discharging to Cell No. 5 via an outlet structure;

the outlet structure located between Cells No. 4 and 5, having dimensions 2.6 m x 3.7 m, equipped with an a sharp crested weir 5 m long, one 300 mm sluice gate, 23.5 m of 1,600 mm outlet sewer and a 20 m x 5 m spill way at 84.5 m elevation.

Cell No. 5

approximately 300 m long pond located on the eastern side of River Road and north of Cell No. 3 with a permanent pool volume of 12,100 m³, receiving water from Cell No. 3 and forebay Cell No. 4, complete with a flow control/monitoring structure, one drawdown/low flow channel, an outlet control structure and an impoundment structure discharging to the River Road tributary;

the outlet control structure having overall dimensions 6 m x 3 m x 6m high, consisting of two compartments, equipped with one (1) 3048 mm x 3962 mm overshot gate, one (1) automated 760 mm x 760 mm sluice gate, one (1) manual draw down gate 510 mm diameter, one (1) manual base flow control/shut off gate, 900 mm diameter outlet pipe, one 200 mm diameter base flow pipe complete with two perforated riser pipes embedded inside layers of coarse sand, filter media sand and clear stone and one 200 mm diameter pipe to stilling well;

the outlet impoundment structure located at the northern end of Cell No.5, consisting of a 7 m wide spillway and a stilling basin;

including temporary and permanent erosion and sediment control facilities, provision for a future disinfection facility, pedestrian bridge, pathways, maintenance access roads, concrete head walls, rip raps and associated appurtenances.

Storm Sewers

Installation of approximately 12.5 m of inlet storm sewers into Cell No.1 and approximately 45 m of 900 mm diameter outlet sewer,

Sampling Stations

Influent Flow Monitoring

three (3) permanent sampling stations, one located on the eastern side of Cell No. 1 inlet structure and the other two located near inlets to forebay Cells No. 2 and 4, equipped with a flow measurement monitoring system, a refrigerated sampling (discrete and composite) system, electrical and mechanical control systems and associated appurtenances;

Effluent Flow Monitoring

one (1) sampling station located on the western side of Cell No.5 outlet control structure, equipped with a flow measurement monitoring system, a refrigerated sampling (discrete and composite) system, electrical and mechanical control systems and associated appurtenances;

all in accordance with the supporting information described in Schedule "A" of this certificate.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. For the purpose of this Certificate of Approval:

- a) "Ministry" means the Ontario Ministry of Environment and Energy;
- b) "Director" means any Ministry employee within the Ministry appointed by the Minister pursuant to section 5 of the Ontario Water Resources Act as a Director;

- c) "Regional Director" means the Regional Director of the Eastern Region of the Ministry;
- d) "District Manager" means the District Manager of the Ottawa District Office of the Ministry's Eastern Region;
- e) "Owner" and "operating authority" means the City of Gloucester and includes its successors and assignees;
- f) "facility" means the stormwater treatment facility described in the Owner's application, this certificate and in the supporting documentation referred to herein, to the extent approved by the Director;
- g) "Certificate" means this Certificate of Approval issued under Section 53 of the Ontario Water Resources Act;
- i) "m/L" means milligrams per litre;
- j) "m³/s" means cubic metres per second;
- k) "m³" means cubic metres;
- l) "ml" means millilitre;
- m) "mm" means millimetre;
- n) "e-coli" means escherichia coli;
- o) "SS" means suspended solids;
- p) "L/s" means Litres per second;
- q) "daily volume proportional composite sample" means a sample composed of a number of discrete equal volume samples collected on a fixed flow volume basis during a 24 hour period;
- r) "swimming season" means the period between May 15 and September 15 of any calendar year;
- s) "seasonal average concentration" means the volumetric average concentration of a water quality parameter for a swimming season as calculated by the following equation:

$$C_{avg} = \frac{(C_1 \times V_1) + (C_2 \times V_2) + \dots + (C_n \times V_n)}{(V_1 + V_2 + \dots + V_n)}$$

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where:

C_{avg} is the seasonal average concentration expressed in m/L for SS;
 C_n is the daily effluent or influent concentration measured in m/L for SS;
 V_n is the storm event volume recorded in m³ during a treatment period;
 n is the total number of effluent or influent composite samples taken during the swimming season;

- t) "base flow" is the flow rate into the facility during dry weather periods;
- u) "Storm Event" means the period of time during which the influent flow (as recorded by an inlet flow meter) is greater than the base flow;
- u) "Treatment Event" means the period of time during which the water level at the outlet of the facility is higher than 81.46 m.

2. The requirements of this certificate are imposed pursuant to section 53 of the Ontario Water Resources Act. The issuance of this certificate in no way abrogates the Owner's legal obligations to take all reasonable steps to avoid violating other applicable provisions of this legislation and other legislation and regulations.
3.
 - a) The approval granted by this certificate permits the Owner to proceed with the proposed establishment of the facility subject to the conditions imposed herein, and is based upon a review of the proposed facility in the context of its effect on the environment, its process performance and principles of sanitary engineering.
 - b) The review did not include a consideration of the structural components of the facility except to the extent necessary to review the facility as set out in Subsection (a).
4.
 - a) The requirements of this Certificate are severable. If any requirement of this Certificate or the application of any requirement of this Certificate to any circumstance is held invalid, the application of such requirement to other circumstances and the remainder of this Certificate shall not be affected thereby.
 - b) Should there be discrepancies between the documents listed in Schedule "A" and the terms and conditions of this Certificate, the terms and conditions shall take precedence.
5. The Owner must ensure compliance with all the terms and conditions of this Certificate. Non-compliance constitutes a violation of the Ontario Water Resources Act and is grounds for enforcement.

6. Upon the request of the Director, the Regional Director or the District Manager, the Owner shall furnish any information concerning compliance with this Certificate including any records required to be kept by this Certificate.
7. The Owner shall notify the District Manager in writing of any of the following changes within thirty (30) days of the change occurring:
 - a) change of Owner or Operator or both,
 - b) change of address of address of new Owner.
8. The Owner shall take all reasonable steps to minimize any adverse impact on surface or ground waters resulting from non-compliance with the effluent requirements specified in this Certificate including, but not limited to, such additional monitoring that may be necessary to determine the nature of the impact of the discharge in non-compliance.

Operation and Maintenance Conditions

9. In order to assure continuous compliance with all conditions of this Certificate, the Owner shall ensure compliance with the following conditions:
 - a) At all times, the Owner shall ensure that the facility and all additional equipment and appurtenances installed or used to achieve compliance with the terms and conditions of this Certificate are properly operated and maintained. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.
 - b) The Owner shall ensure that contingency plans and procedures are established and adequate equipment and material are available for dealing with emergency and upset conditions and equipment breakdowns at the facility, flooding, overflows of raw and partly treated stormwater and spills of sludge or chemicals into or out of the facility in order to prevent or minimize any unacceptable liquid discharges and gas and odour emissions into the natural environment.
 - c) The Owner shall establish notification procedures to be used to contact the Regional Director, and other authorities that may be concerned, in case of an emergency situation.
 - d) The Owner shall:
 - i) prepare and make available for inspection by Ministry employees upon request, a complete set of drawings within one year of substantial completion of the works which drawings shall show the works as constructed at that time;

- ii) keep a complete set of the constructed drawings, incorporating any amendments made from time to time, at the administrative buildings of the works as long as the works are kept in operation.

Performance

- 10. The Owner shall install, maintain and operate a sufficient number of flow measuring devices, calibrated at regular intervals not exceeding one year to ensure their accuracy to within plus or minus 15 per cent of the actual stormwater flow rate for the entire design range of the devices, in order to measure the quantity of stormwater influent and effluent to and from the facility.
- 11. a) Any bypass of storm flow from any portion of the facility is prohibited, except:
 - i) where it is indispensable in preventing loss of life or personal injury or severe property damage, or
 - ii) where it is necessary for the purpose of essential maintenance of the facility to ensure its efficient operation, provided that the effluent requirements set out in Condition No. 12 will not be exceeded and the District Manager has given prior written approval for the bypass, or
 - iii) where the District Manager has specifically approved it in writing, or
 - iv) where it can be shown that it has occurred as one of the permissible four "overflows" per swimming season as described in Subsection (d) (that were considered originally in the quality pond volume design calculations).
- b) The Owner shall notify the District Manager of:
 - i) all anticipated bypasses, at least (10) days prior to the date of the bypass or otherwise on the earliest date possible, and
 - ii) all unanticipated bypasses, forthwith, and

the notice in either case shall include information with respect to the anticipated adverse effects on the natural environment and the duration of the bypass.
- c) The Owner shall record the time, duration and estimated quantity of each bypass event along with the reasons for the event.
- d) The "overflow" described in Subsection a.(iv) above, is a flow which occurs, when the water level rises over and above the quality pond storage elevation (84.2 m) one or more times during a treatment event.

- e) Any bypass during a swimming season that is not covered under Subsection (a) of this condition, constitutes non-compliance with the Certificate.

Effluent Requirements

12. The Owner shall ensure that the effluent is essentially free of floating material and does not contain any oil or other substance in amounts sufficient to create a visible film or sheen on the surface of the receiving waters.

Monitoring and Reporting

13. The Operating Authority shall ensure that the following monitoring program is carried out:
- a) Sampling locations shall be established to the satisfaction of the District Manager prior to the commencement of operations of the facility. Any sampling locations may be added or deleted following commencement of operation if, in the opinion of the District Manager, it is necessary to do so to ensure representative samples are being collected.
 - b) Subject to Subsection (a), samples shall be collected at:
 - i) the three (3) inlet locations (Cell No.1, Forebay Cells No.2 and No.4)
 - ii) the outlet of the facility (Cell No.5)
 - iii) the outlet of the low flow outlet
 - c) All samples noted in Subsection b) shall be collected as follows:
 - i) the samples shall be refrigerated at 4°C throughout the collection period and until analyzed in the laboratory;
 - ii) samples from each sampling location shall be sent as soon as practicable to a reputable laboratory, as acceptable to the District Manager;
 - iii) the samples from each sampling location shall be analyzed for suspended solids, e-coli and total phosphorous using analytical procedures described in "Standard Methods for the Examination of Water and Waste Water, 18th. Edition", 1992, as amended from time to time.
 - d) All samples taken from locations noted in Subsection b) i. shall be daily volume proportional composite samples and shall be collected throughout every "storm event" during the swimming season.

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- e) All samples taken from locations noted in Subsection b) ii. shall be daily volume proportional composite samples and shall be collected throughout every "treatment event" during the swimming season.
- f) All samples taken from locations noted in Subsection b) iii. shall be weekly grab samples and shall be collected during the swimming season.
- 14. a) The Owner shall submit to the District Manager, annual reports on performance of the facility, in accordance with Subsections b) and c) of this condition:
- b) The first annual report shall cover the period from the commencement of operation of the works to the end of the swimming season in the calendar year and shall be submitted before December 31, following the end of such reporting period. Each subsequent annual report shall be submitted before December 31 of the calendar year being reported upon.
- c) Each annual report shall contain at least the following information:
 - i) executive summary;
 - ii) tabulation of all sample results obtained during the reporting period, including sampling location, date and type of sample;
 - iii) all rainfall information together with a tabulation of daily inflow and outflow volume through the facility;
 - iv) tabulation and description of all bypasses and emergency and upset conditions that occurred during the reporting period;
 - v) description and evaluation of the adequacy of calibration and maintenance procedures used to ensure accuracy of collected data;
 - vi) a comprehensive interpretation of the overall performance of the facility with regards to suspended solids removal efficiency;
 - vii) a comprehensive interpretation of the overall performance of the facility with regards to e-coli kill efficiency, supported with data on e-coli counts and suspended solids concentrations at the inlets and outlet of the facility;
 - viii) information related to sediment accumulation in each storage cell and including proposed method of maintenance and disposal;
 - ix) calculation of base flow;

- x) the recommended monitoring program and anticipated base flow for the following year.
- d) The Owner shall submit to the District Manager, a manual describing the operation, maintenance and monitoring of the works at the end of the first year of operation. This manual shall be updated/revised annually, to the satisfaction of the District Manager.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to define terms used in this Certificate of Approval.
2. Condition No. 2 is included to emphasize that the issuance of the certificate does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the works.
3. Condition No. 3 is included to make the Owner, subsequent Owners, successors, assignees, and any third parties relying upon the certificate, aware that the review conducted by this Ministry and the approval granted as a result is limited in scope and should not be relied upon as an approval of the stipulated design aspects of the works.
4. Condition No. 4 is included to clarify how the Certificate is to be legally interpreted and specifically, to clarify that the requirements of the Certificate are severable and that they prevail over supporting documentation.
5. Condition No. 5 is included to emphasize that the Owner is under a statutory obligation to ensure compliance with the Certificate.
6. Condition No. 6 is included to ensure that Ministry personnel, when acting in the course of their duties, will be given unobstructed access to the facilities, information and records related to the facility which is subject to this Certificate, to enable the Ministry to be assured of the Owner's compliance with the terms and conditions of this Certificate.
7. Condition No. 7 is included to ensure that the Ministry records are kept accurate and current with respect to the approved facility and to ensure that subsequent Owners of the facility are made aware of the Certificate and continue to operate the facility in compliance with the terms and conditions of this Certificate.
8. Condition No. 8 is included to emphasize that the Owner has an ongoing duty to mitigate any adverse impacts resulting from non-compliance with the Certificate.

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9. Condition No. 9, Subsections (a), (b) and (c) are included to ensure that the facility will be operated, maintained, funded, staffed and equipped in a manner enabling compliance with the terms and conditions of this Certificate, such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
- Condition No. 9, Subsection (d) is included to ensure that a complete set of drawings is available to facilitate operation of the facility and for inspection by Ministry personnel.
10. Condition No. 10 is included to ensure that the measured flow through the facility is within a reasonable accuracy as this has an effect when calculating the performance of the facility.
11. Condition No. 11 is included to indicate that bypasses of untreated stormwater to the receiving watercourse is prohibited, save in certain limited circumstances where the failure to bypass could result in greater injury to the public interest than the bypass itself, where a bypass will not violate the approved effluent requirements or where the bypass can be limited or otherwise mitigated by handling it in accordance with an approved contingency plan. The notification and documentation requirements allow the Ministry to take timely abatement and enforcement action in an informed manner and will allow the Owner to be aware of the extent and frequency of bypass events.
12. Condition Nos. 12 is imposed to ensure that adverse impacts do not occur on the receiving waters.
13. Condition Nos. 13 and 14 are imposed to ensure that all pertinent information is available for the evaluation of the performance of the stormwater treatment facility.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter O.40, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the sewage works are located;

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And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary,
Environmental Appeal Board,
112 St. Clair Avenue West,
Suite 502,
Toronto, Ontario.
M4V 1N3

AND

The Director,
Section 53, Ontario Water Resources Act,
Ministry of Environment and Energy,
250 Davisville Avenue, 3rd Floor,
Toronto, Ontario.
M4S 1H2

The above noted works are approved under Section 53 of the Ontario Water Resources Act

DATED AT TORONTO this 10th day of May, 1996

THIS IS A TRUE COPY OF
THE ORIGINAL CERTIFICATE
SIGNED BY
D.F. CARR, P. ENG.

MAILED ON MAY 13 1996

BY *Jn*

RM/fn

Attn: -M. Giroux, Clerk, City of Gloucester
cc: -Ms. M.J. Woollam, Clerk, R.M. of Ottawa-Carleton
-District Manager, MOEE Ottawa District Office ✓
-S. D'Aoust, P. Eng., Gore & Storrie Limited
-T. Ho, MOEE Science & Technology Branch

SCHEDULE "A"

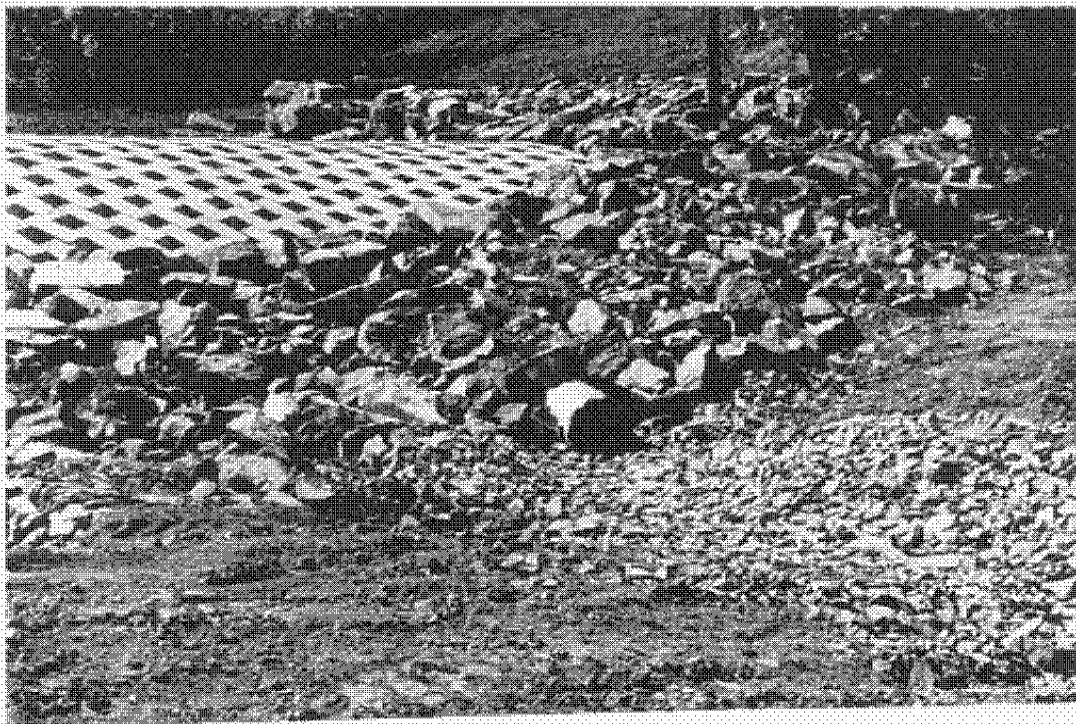
The documentation identified in this Schedule "A" formed part of the information describing the sewage work approved in the Conditional Certificate of Approval No. 3-0263-96-006

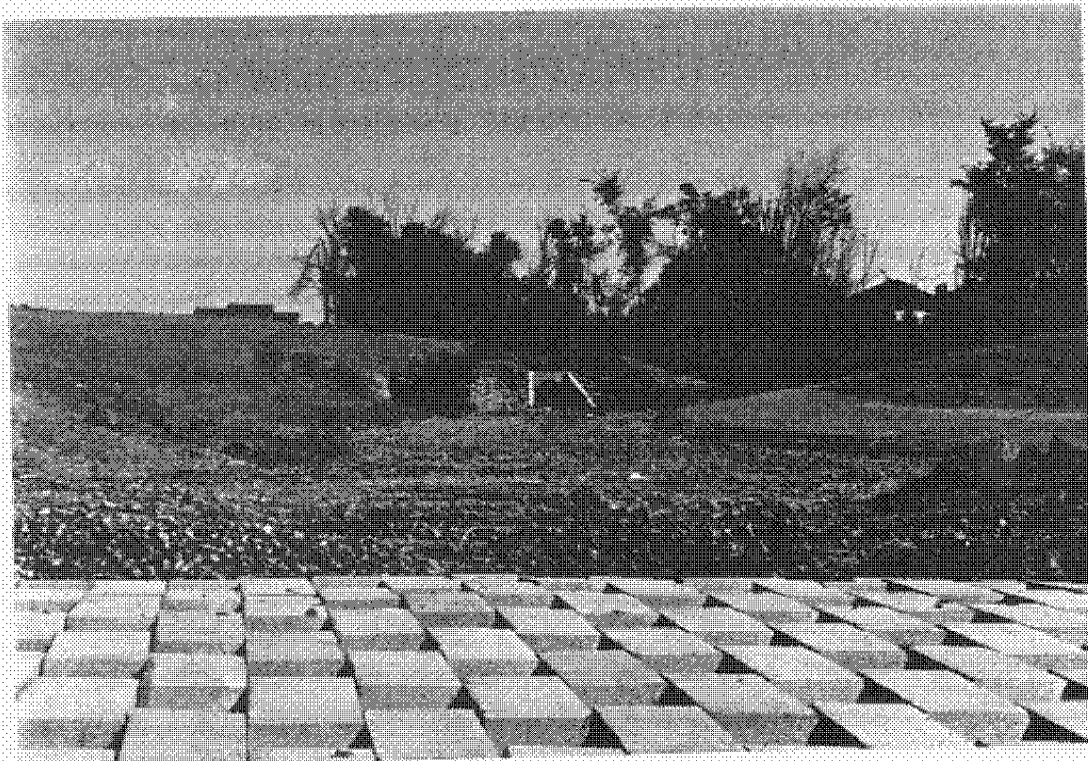
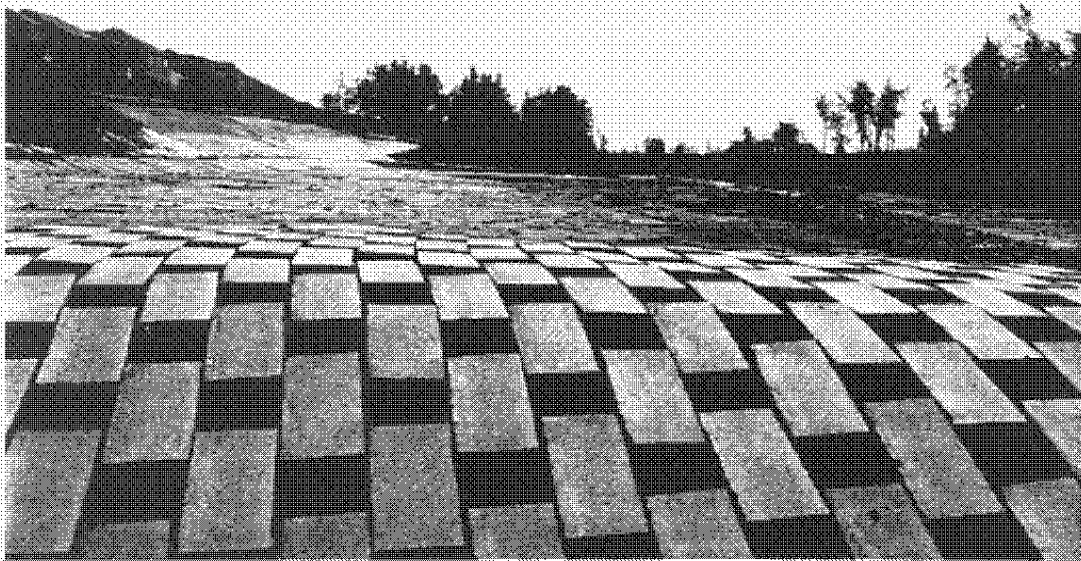
1. Application for Approval of Water and Sewage Works dated December 13, 1995
2. Report entitled "The Corporation of the City of Gloucester South Urban Community Stormwater Management Pond No.1 Environmental Study Report" dated June 1994 prepared by Gore and Storrie Limited;
3. Report entitled "City of Gloucester South Urban Community Stormwater Management Pond No.1 Design Brief" dated May 1995 prepared by Gore and Storrie Limited;
4. Report entitled "City of Gloucester and Regional Municipality of Ottawa-Carleton Gloucester South Urban Community Environmental Screening of Trunk Services Screening Report" dated August 1995 prepared by Gore and Storrie Limited;
5. Report entitled "City of Gloucester South Urban Community Stormwater Management Pond No.1 Operations, Maintenance and Monitoring Manual Draft" dated November 1995 prepared by Gore and Storrie Limited;
6. Engineering drawings all prepared by Gore and Storrie Limited Consulting Engineers.

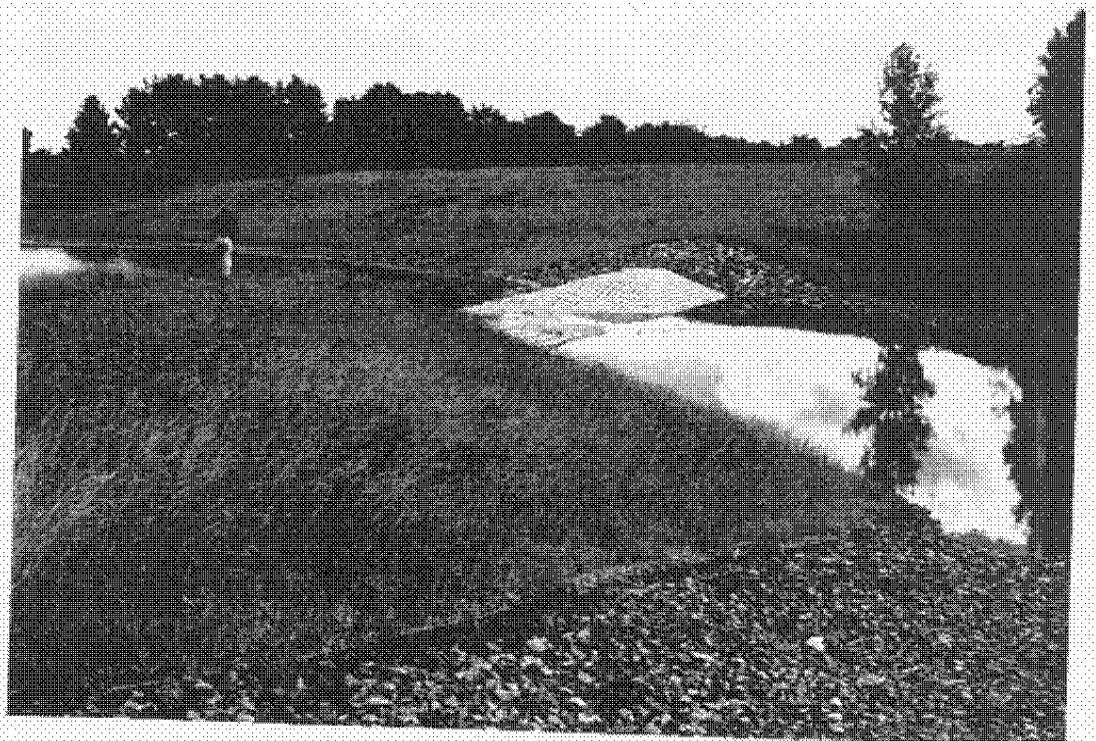
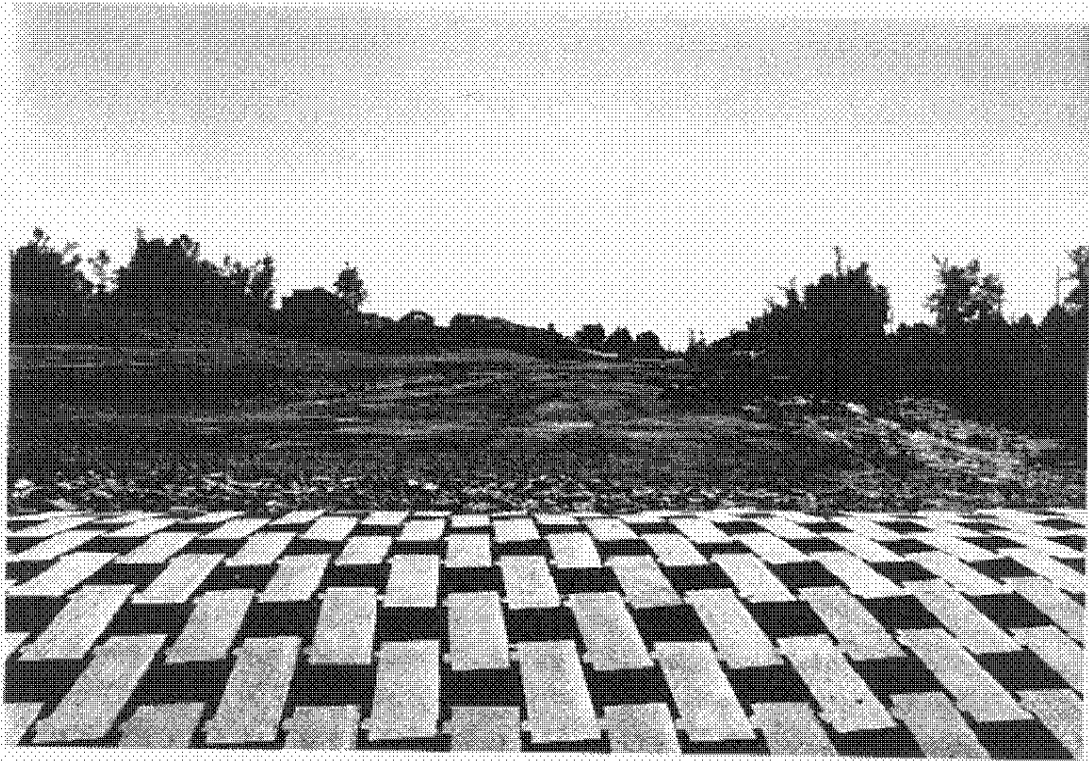
**Pages 162 to / à 184
are withheld pursuant to section
sont retenues en vertu de l'article**

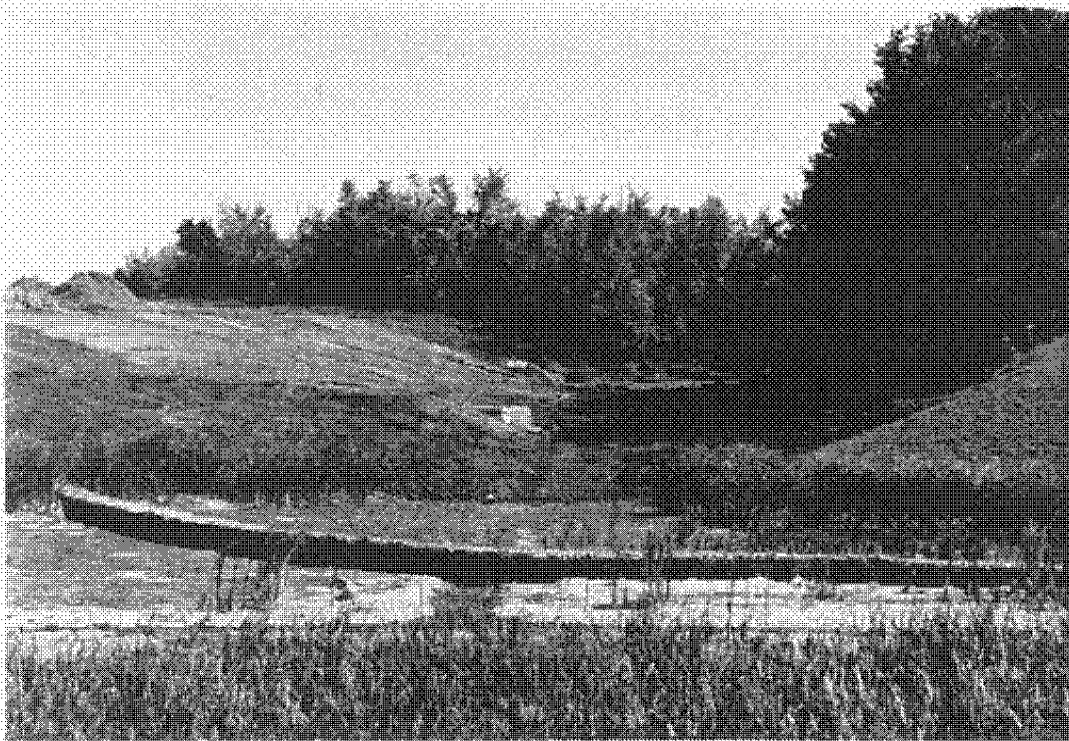
22

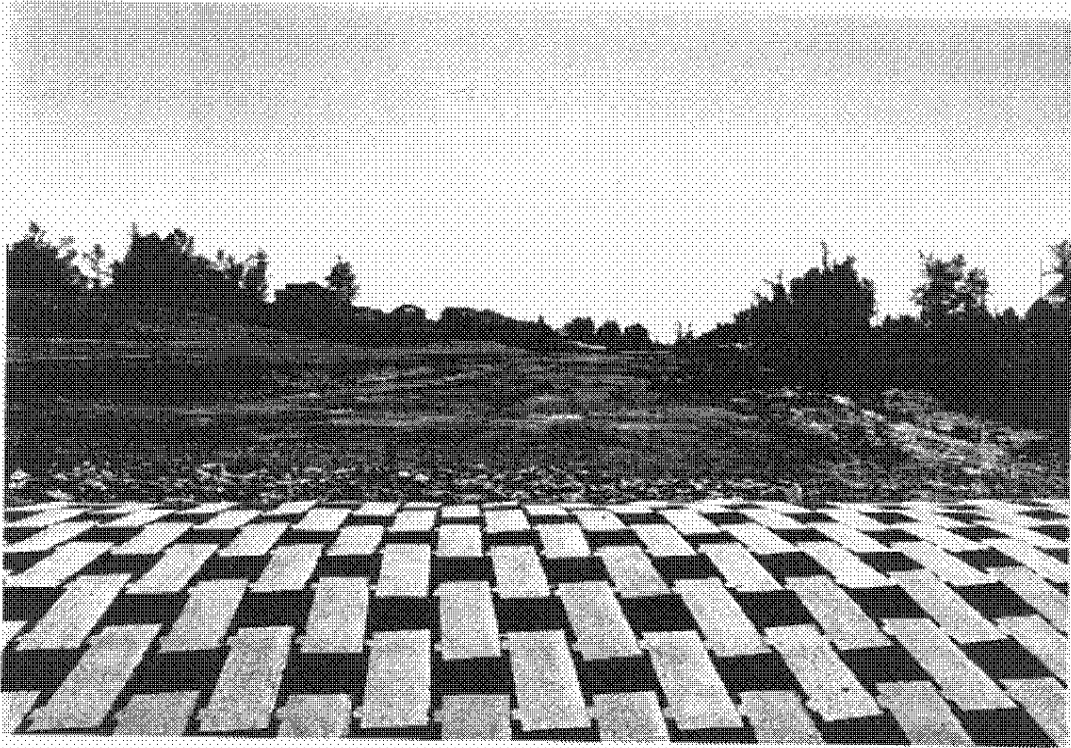
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de la Freedom of Information and Protection of Privacy Act**

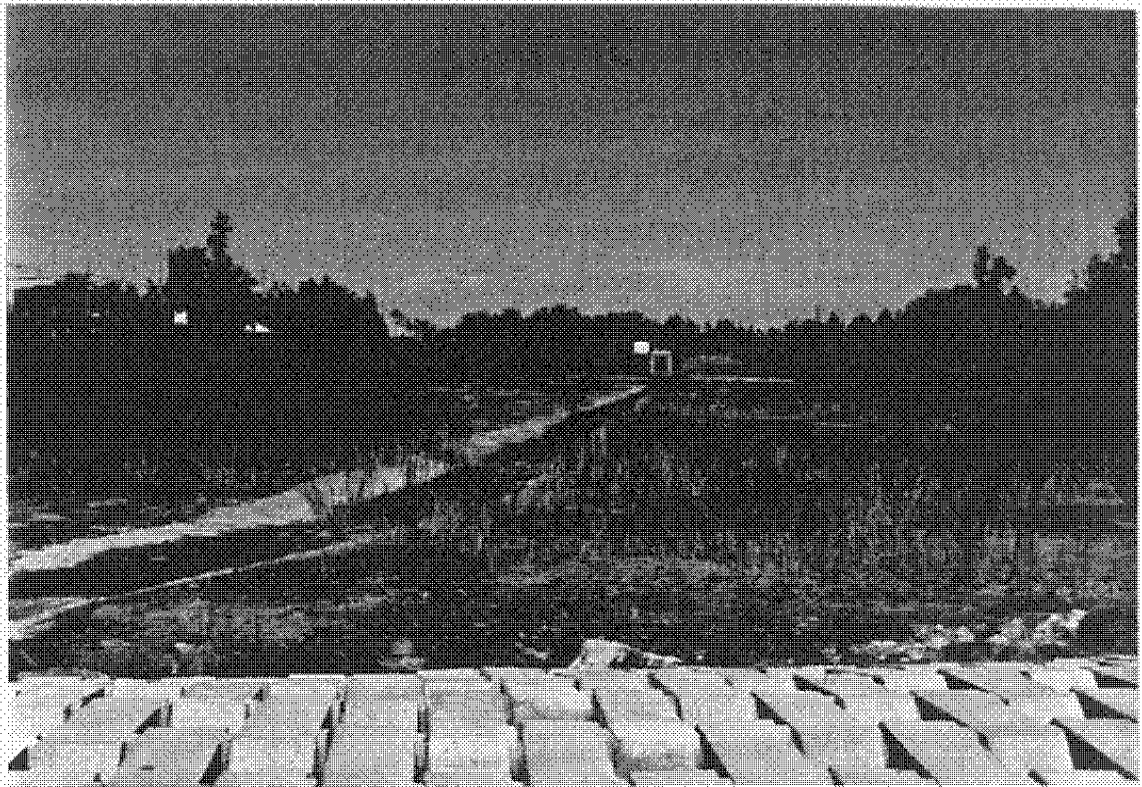


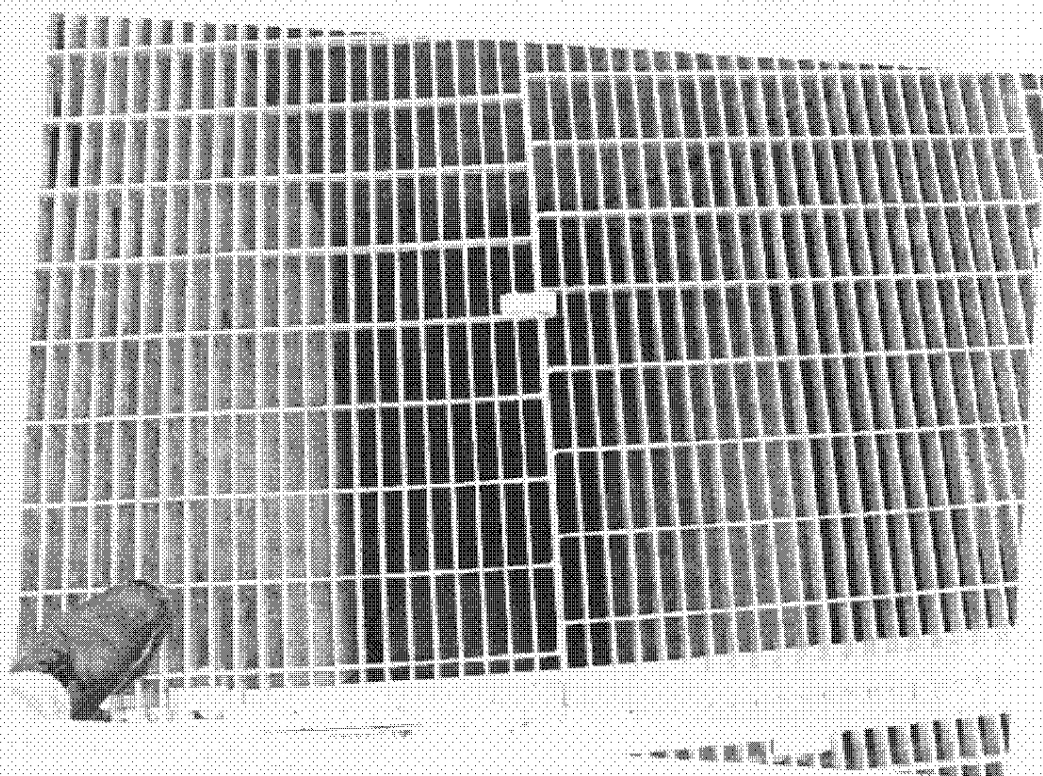
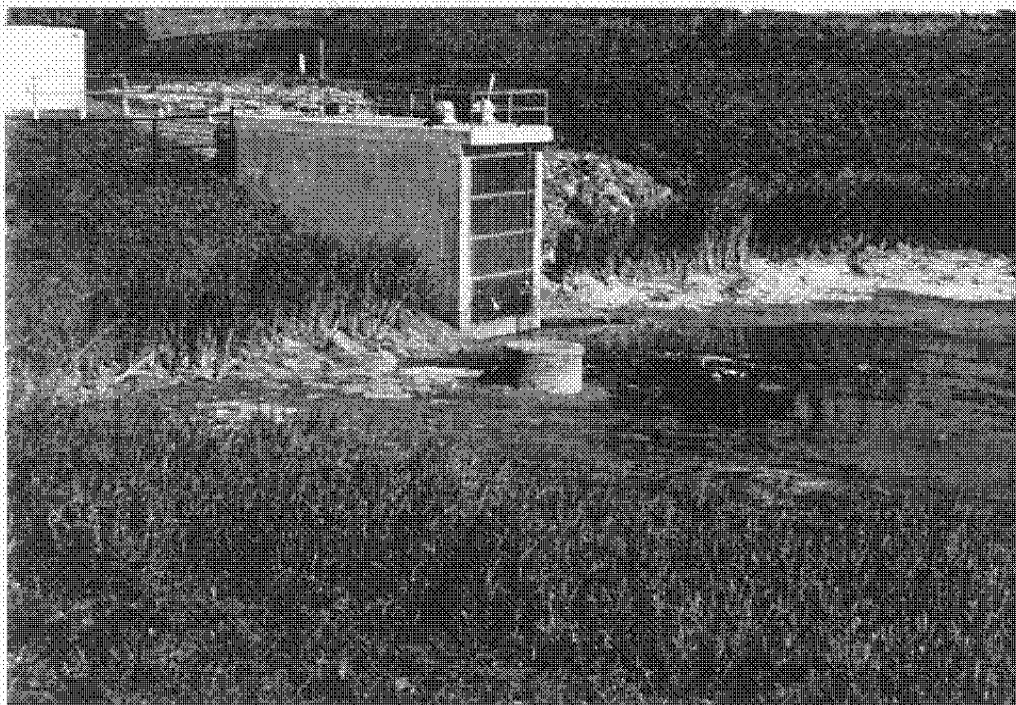


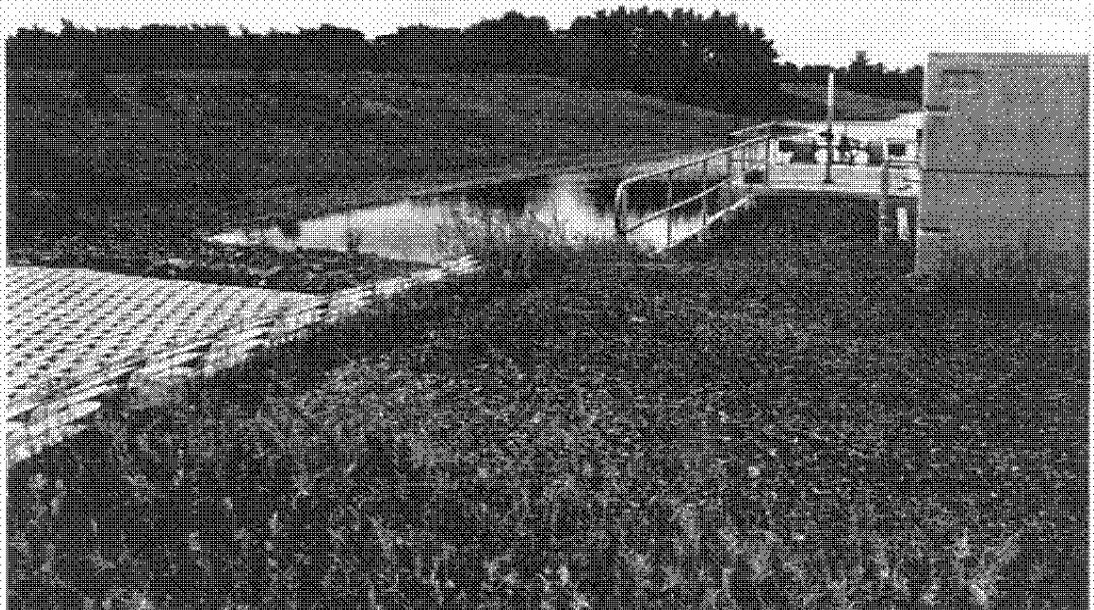
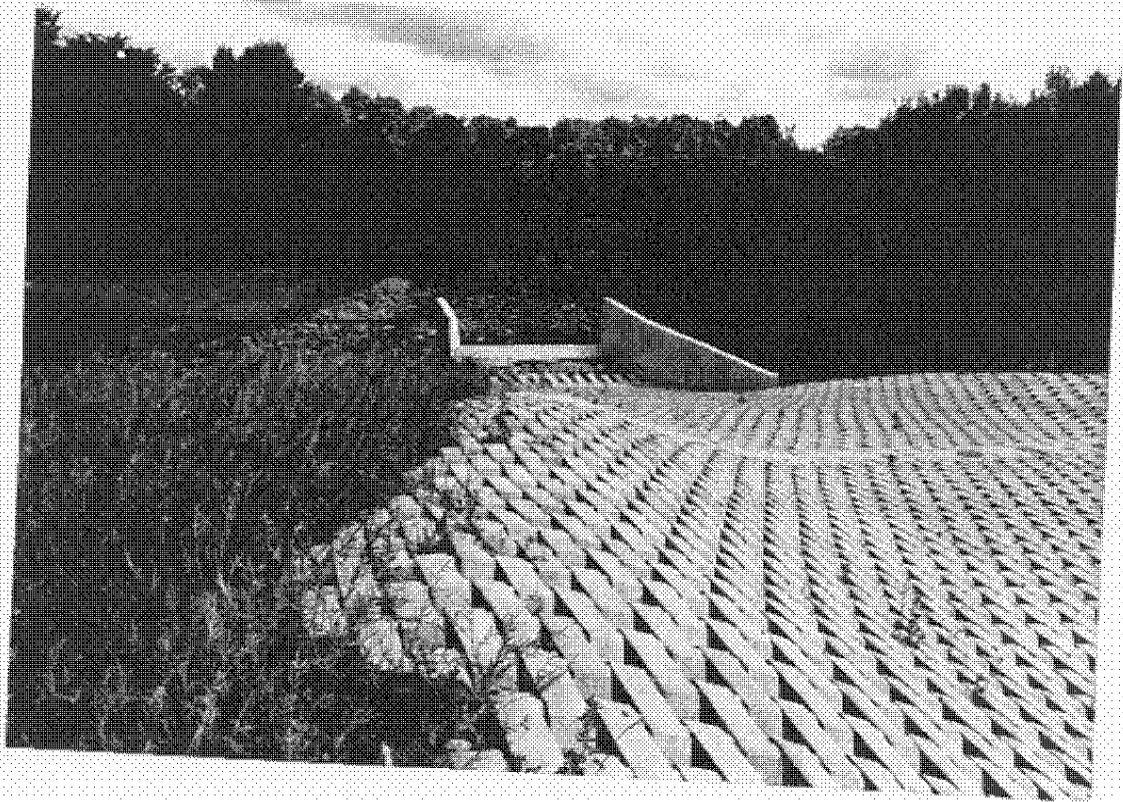


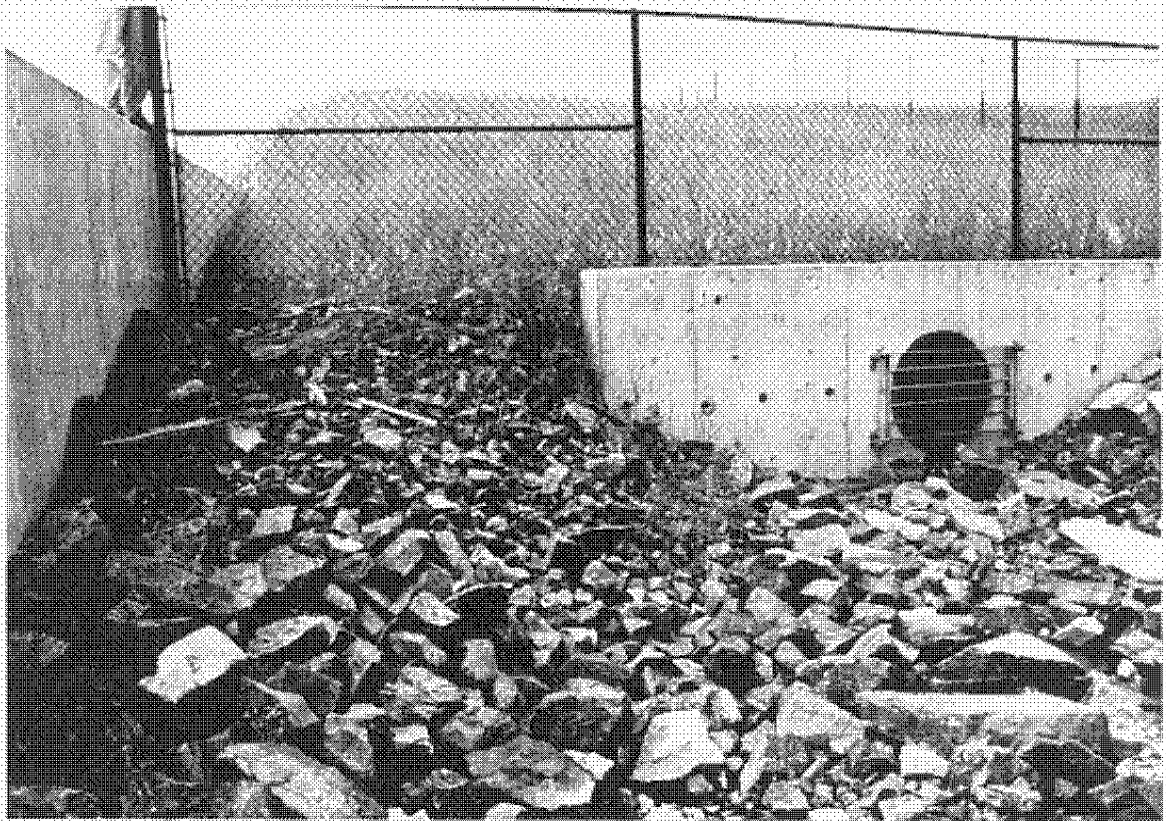














ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4644-AQBJRW
Issue Date: August 22, 2017

Urbandale Corporation
2192 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Riverside South Phase 13
4623 and 4721 Spratt Road, 980 Earl Armstrong Road
Part of Lots 21, 22, and 23, Concession 1
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of stormwater management Works to serve the Riverside Phase 13 subdivision in the City of Ottawa, to attenuate post-development peak flows to allowable peak flows for a total catchment area of approximately 43 hectares, for all storm events up to and including the 100-year storm event, discharging to storm sewers, comprising of:

one (1) dry pond, located on Mount Nebo Way adjacent to the Thomas Gamble Municipal Drain serving a total drainage area of 15.23 hectares, having a maximum available storage volume of 420 cubic metres and a maximum depth of 0.65 metre, one (1) outlet structure, consisting of a 200 mm diameter storm outlet pipe equipped with an 83 mm diameter orifice, allowing a maximum discharge of 12.4 litres per second under the 100-year storm event to storm sewers on Mount Nebo Way;

Interim Works:

one (1) temporary dry pond, located south of Ralph Hennessey Avenue serving a total drainage area of 19.6 hectares, having a maximum available storage volume of 4900 cubic metres and a maximum depth of 1.5 metre, one (1) outlet structure, consisting of a 300 mm diameter storm outlet pipe equipped with a 109 mm diameter orifice, allowing a maximum discharge of 40 litres per second under the 100-year storm event to storm sewers on Ralph Hennessey Avenue;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and all supporting documents listed in Schedule "A", forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval " means this entire document and any schedules attached to it, and the application;
2. "Director " means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA*;
3. "District Manager " means the *District Manager* of the appropriate local District Office of the *Ministry* , where the *Works* are geographically located;
4. "EPA " means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. "Interim Works " means the interim stormwater management works, described in this Approval and that are to be used for short-term purposes only in accordance with this Approval, until otherwise approval for an extension of this period has been granted;
6. "Ministry " means the ministry of the government of Ontario responsible for the *EPA* and *OWRA* and includes all officials, employees or other persons acting on its behalf;
7. "Owner " means Urbandale Corporation, and includes its successors and assignees;
8. "OWRA " means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
9. "Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006;
10. "Water Supervisor " means the *Water Supervisor* of the appropriate local office of the Safe Drinking Water Branch of the *Ministry*, where the *Works* are geographically located;
11. "Works " means the sewage works described in the *Owner's* application, and this *Approval*.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval*, and the application for approval of the *Works*.
3. Where there is a conflict between a provision of any document in the schedule referred to in this *Approval* and the conditions of this *Approval*, the conditions in this *Approval* shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the documents listed in Schedule 'A' and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The conditions of this *Approval* are severable. If any condition of this *Approval*, or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This *Approval* will cease to apply to those parts of the *Work* which have not been constructed within **five (5) years** of the date of this *Approval*.
2. In the event that completion and commissioning of any portion of the *Works* is anticipated to be delayed beyond the specified expiry period, the *Owner* shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of *Approval* of the *Works* are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.
3. This *Approval* to the Interim Works shall expire and become null and void on **August 30, 2022**.

3. CHANGE OF OWNER

1. The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of *Owner*;
 - b. change of address of the *Owner*;
 - c. change of partners where the *Owner* is or at any time becomes a partnership, and a

copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager*; or

- d. change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager*.
2. In the event of any change in ownership of the *Works* , other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Approval* , and a copy of such notice shall be forwarded to the *District Manager* and the *Director*.
3. The *Owner* shall ensure that all communications made pursuant to this condition refer to the number at the top of this *Approval*.
4. Notwithstanding any other requirements in this *Approval* , upon transfer of the ownership or assumption of the *Works* to a municipality if applicable, any reference to the *District Manager* shall be replaced with the *Water Supervisor*.

4. OPERATION AND MAINTENANCE

1. The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the *Works* do not constitute a safety or health hazard to the general public.
2. The *Owner* shall inspect and ensure that the design minimum liquid retention volume is maintained in the *Works* at all times, except when maintenance is required.
3. The *Owner* shall undertake an inspection of the condition of the *Works*, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the *Works* to prevent the excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the *Works*, as applicable. The *Owner* shall also regularly inspect and clean out the inlet to and outlet from the *Works* to ensure that these are not obstructed.
4. The *Owner* shall design, construct and operate the *Works* with the objective that the effluent from the *Works* is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters.
5. The *Owner* shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the *Owner's* administration office for inspection by the *Ministry*. The logbook shall include

the following:

- a. the name of the *Works*; and
 - b. the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the *Works*.
6. The *Owner* shall prepare an operations manual prior to the commencement of operation of the *Works* that includes, but is not necessarily limited to, the following information:
- a. operating and maintenance procedures for routine operation of the *Works*;
 - b. inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for the *Works*;
 - d. contingency plans and procedures for dealing with potential spills and any other abnormal situations and for notifying the *District Manager*; and
 - e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
7. The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works*. Upon request, the *Owner* shall make the manual available to *Ministry* staff.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

1. The *Owner* shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every two (2) weeks and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.
2. The *Owner* shall maintain records of inspections and maintenance which shall be made available for inspection by the *Ministry*, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

6. REPORTING

1. One (1) week prior to the start-up of the operation of the *Works*, the *Owner* shall notify the *District Manager* (in writing) of the pending start-up date.
2. The *Owner* shall, upon request, make all manuals, plans, records, data, procedures and

supporting documentation available to *Ministry* staff.

3. The *Owner* shall prepare and submit a performance report to the *District Manager* on an annual basis, within ninety (90) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the *Works* and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
 - a. a description of any operating problems encountered and corrective actions taken;
 - b. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the *Works*, including an estimate of the quantity of any materials removed from the *Works*;
 - c. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
 - d. a summary of all spill or abnormal discharge events; and
 - e. any other information the *District Manager* requires from time to time.

7. SOURCE WATER PROTECTION

1. The Owner shall ensure, if applicable, that the design, construction and operation of the Works conforms to any Significant Threat Policies in any Source Protection Plan that applies to the location of the Works.

Schedule "A"

1. Application for Environmental Compliance Approval, dated July 25, 2017, submitted by Marcel Denommé,, on behalf of Urbandale Corporation.;
2. Riverside South Development Corporation Phase 13 Site Servicing and Stormwater Management Report, Rev#3 dated July 7, 2017, prepared by Stantec Consulting Ltd.;
3. Design drawings, Riverside South Phase 13, Revision # 4 dated July 7, 2017, prepared by Stantec Consulting Ltd.;

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the *Approval* and the practice that the *Approval* is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of the *Approval* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the *Works* are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the *Works*. The Condition also ensures that adequate storage is maintained in the *Works* at all times as required by the design. Furthermore, this Condition is included to ensure that the *Works* are operated and maintained to function as designed.
5. Condition 5 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.
6. Condition 6 is included to provide a performance record for future references, to ensure that the *Ministry* is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this *Approval*, so that the *Ministry* can work with the *Owner* in resolving any problems in a timely manner.
7. Condition 7 is included to ensure that the *Works* conform to the policies of the local Source Water Protection Plan.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

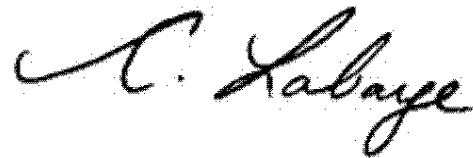
AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 22nd day of August, 2017



Christina Labarge, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

MS/

c: District Manager, MOECC Ottawa
City Clerk, City of Ottawa
Cody Oram, P.Eng., Senior Engineer, Development Review, City of Ottawa
Karin Smadella, P.Eng., Stantec Consulting Ltd.

Application for Certificate of Approval of Municipal and Private Sewage Works

Approved

Client Information	Instrument Information/Tracking	EBR Requirements	FA Document
Site Information	Supporting Information Checklist	EBR Tracking	Approved Certificate
Project Technical Info Contact	Application Fees	EAA Requirements	Related Documents
Project Information	Fees Tracking	Signatures	

APPLICATION SUMMARY

Work Unit: Application Assessment Unit

Status	Approved	Assigned	
IDS Reference #	2027-APKL5T	File #	0878
C of A #	9695-APNR4V		
Application Type	New Certificate of Approval		
Client Name	Urbandale Corporation	Client #	0796-8HTPSX
Client Aliases			
Site Name	Riverside South Phase 13	Site #	1370-APKL5V
NAICS Code	236110 - Residential Building Construction		
Project Name	ToR - Storm and Sanitary Sewers servicing Riverside South Phase 13 Subdivision		
Technical Reviewer	Diana Nguyen		
Assigned	2017/07/27		
Last Action	Approved	By	Christina Labarge
Document Links and Comments:	Insert Comments Here		
Attachment Names:			
Information Requests	Please click button--->	Initiated by	Client
Supplementary Reviews	Please click button--->		
Overall Ministry Turnaround Time	10	Age [Calendar Days]	15

[Business Days]

Approvals-only Turnaround Time [Business Days]	10



ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9695-APNR4V
Issue Date: August 8, 2017

Urbandale Corporation
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Riverside Phase 13
Part of Lots 21, 22, and 23, Concession 1, Gloucester
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

sanitary and storm sewers to be constructed in the City of Ottawa, as follows:

- sanitary sewers on Libra Street (from Station 0+000.6 to Station 0+176.6), Serenade Crescent (from Station 0+001.5 to Station 0+678.2), Mistwell Lane (from Station 0+009.0 to Station 0+250.5), Dreamcatcher Place (from Station 0+001.0 to Station 0+187.5), Ralph Hennessey Avenue (from 0+024.5 to Station 0+406.1), Octave Grove (from Station 0+027.7 to Station 0+184.0), Rowers Way (from Station 0+009.0 to Station 0+587.9), Quartet Avenue (from Station 0+029.4 to Station 0+266.0), Mount Nebo Way (from Station 0+105.0 to Station 0+738.6), Memorial Grove (from Station 0+050.0 to Station 0+544.2), and Pathfinder Way (from 0+009.0 to Station 0+240.0), discharging to existing sanitary sewers located within the Riverside Phase 8 Subdivision; and
- storm sewers on Libra Street (from Station 0+000.6 to Station 0+174.6), Serenade Crescent (from 0+001.8 to Station 0+664.6), Mistwell Lane (from Station 0+007.5 to Station 0+252.2), Dreamcatcher Place (from 0+001.3 to Station 0+316.3), Ralph Hennessey Avenue (from Station 0+024.5 to Station 0+405.5), Octave Grove (from Station 0+031.3 to Station 0+182.4), Rowers Way (from Station 0+007.5 to Station 0+589.1), Quartet Avenue (from Station 0+011.5 to Station 0+264.5), Mount Nebo Way (from 0+063.9 to Station 0+740.1), Memorial Grove (from Station 0+048.5 to Station 0+542.7), and Pathfinder Way (from Station 0+011.8 to Station 0+178.5), discharging to existing storm sewers located within the Riverside Phase 8 Subdivision;

all in accordance with the submitted application and supporting documents listed in Schedule 'A' forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;
3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
4. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
6. "Owner" means Urbandale Corporation, and includes their successors and assignees;
7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
8. "Works" means the sewage works described in the Owner's application, and this Approval;
9. "Professional Engineer" means a person entitled to practice as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act;

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

4. Where there is a conflict between the documents listed in Schedule 'A' and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Work which have not been constructed within five (5) years of the date of this Approval.
2. In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of Owner;
 - b. change of address of the Owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or
 - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.
2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the

number at the top of this Approval.

4. Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

4. OPERATION AND MAINTENANCE

1. If applicable, any proposed storm sewers or other stormwater conveyance in this Approval can be constructed but not operated until the proposed stormwater management facilities in this Approval or any other Approval that are designed to service the storm sewers or other stormwater conveyance are in operation.

Schedule 'A'

1. Application for Environmental Compliance Approval for Municipal and Private Sewage Works, dated May 25, 2017 and received on July 21, 2017, submitted by Marcel Denommé, Urbandale Corporation.
2. Transfer of Review Recommendation Letter, dated July 11, 2017, signed by Jeff Shillington, City of Ottawa.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;

6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

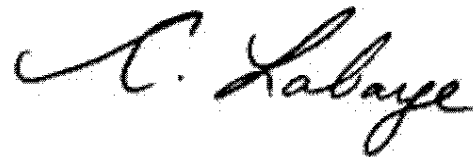
AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 8th day of August, 2017



Christina Labarge, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

DN/
c: District Manager, MOECC Ottawa District Office
Linda Carkner, Program Manager, ROW Unit, City of Ottawa
M. Rick O'Connor, City Clerk, City of Ottawa
Jeff Shillington, P. Eng., Project Manager, Development Review, City of Ottawa (File No. D07-16-13-0034)
Karin Smadella, P. Eng., Stantec Consulting Ltd.

COMMENT / MEMORANDUM TO FILE

Document Author:	Diana Nguyen
Created On:	2017/07/27
C of A:	M&P Sewage CofA
Client:	Urbandale Corporation
Project Description:	
Reference Number:	2027-APKL5T
Subject:	ICD Clarification
Notes:	

RE: Transfer of Review Ref #2027-APKL5T - Storm and Sanitary Sewers for Riverside South Phase 1

 Smadella, Karin <Karin.Smadella@stantec.com>

 Thu 07/27/2017 8:57 AM

  Nguyen, Diana (MOECC)

  john.sevigny@ottawa.ca

Good Morning Diana,

I have included responses to your questions below:

1. On the draft, it says that the site is within Concession 1. Based on the site plan, it looks like the site is within Concession 2. Can you please confirm whether it is Concession 1 or 2?
The subdivision is within Concession 1.
2. There are ICDs proposed in the project. Can you please confirm whether the ICDs are for stormwater management or to prevent surcharging of stormwater.
The ICDs are to prevent surcharging of the sewer and to protect basements.

If you have any further questions please do not hesitate to contact me.

Karin

Karin Smadella, P.Eng.

Project Manager, Community Development

Stantec

400 - 1331 Clyde Avenue, Ottawa ON K2C 3G4

Phone: (613) 724-4371

Fax: (613) 722-2799

Karin.Smadella@stantec.com

From: Nguyen, Diana (MOECC) [<mailto:Diana.Nguyen@ontario.ca>]

Sent: Wednesday, July 26, 2017 2:57 PM

To: Smadella, Karin <Karin.Smadella@stantec.com>

Cc: john.sevigny@ottawa.ca

Subject: Transfer of Review Ref #2027-APKL5T - Storm and Sanitary Sewers for Riverside South Phase 13

Hi,

I am contacting you in regards to a Transfer of Review application from Urbandale Corporation for storm and sanitary sewers for Riverside South Phase 13.

I require some further clarification/confirmation for the following few items:

1. On the draft, it says that the site is within Concession 1. Based on the site plan, it looks like the site is within Concession 2. Can you please confirm whether it is Concession 1 or 2?
2. There are ICDs proposed in the project. Can you please confirm whether the ICDs are for stormwater management or to prevent surcharging of stormwater.

Thanks,

Diana Nguyen, B.Sc.

Application Assessment Unit
Environmental Approvals Access and Service Integration Branch
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, 2nd Floor
Toronto, ON M4V 1P5
(416) 314-5859

Document Links and Comments:	Insert Comments Here
Attachment Names:	

COMMENT / MEMORANDUM TO FILE

Document Author:	Diana Nguyen
Created On:	2017/07/26
C of A:	M&P Sewage CofA
Client:	Urbandale Corporation
Project Description:	
Reference Number:	2027-APKL5T
Subject:	Source Protection: Screened Out

Notes:

This application has been screened using the Source Protection Information and Policy Search Tool and it w



Searched By:

Map location

Value:

User identified location



Location

Policy Search

Location Information

Latitude: 45.274313 Longitude: -75.876188

UTM Zone: 18 Easting: 446960.97

Northing: 5013646.24

Upper Tier Municipality: N/A

Lower/Single Tier Municipality: CITY OF OTTAWA

Township Concession and Lot: GLOUCESTER
CON 2 FROM RIDEAU RIVER, LOT 21

Assessment Parcel Address: N/A

Assessment Roll #: 06146000252357900000

Source Water Protection Details for Location

Source Protection Area: Rideau Valley

Wellhead Protection Area: No

Wellhead Protection Area E (GUDI): No

Intake Protection Zone: No

Issue Contributing Area: No

Significant Groundwater Recharge Area: No

Highly Vulnerable Aquifer: Yes ; score is 6

Event Based Area: No

Wellhead Protection Area Q1: No

Wellhead Protection Area Q2: No

Intake Protection Zone Q1: No

Use the Policy search tab to see if any policies apply
– for more details see the [source protection plan](#)

Information is current as of: June 2, 2016



Map Legend



Document Links and
Comments:

Insert Comments Here

Attachment Names:



INCIDENT REPORT

Reference Number:	2573-AMNKJU	Module Type:	Pollution Incident Report (PIR)
Status:	Recommended	File Storage Number:	SI OT NE EA 100
Program:	Air	Activity:	General (No related specific activity)

Caller or PO Reporting/Receiving Information

s.21

Date Reported to MOE:	2017/05/23	Time Reported to MOE:	16:30
Date of Incident:	2017/05/24	Time of Incident:	
Incident Date Confirmation:	Actual		

Client(s)

Client Details

Site(s)

Site Details

980 Earl Armstrong Road<UNOFFICIAL>
Address: Lot: , Part: , Ottawa, City,
District Office: Ottawa

Incident Summary:

Dust impacts

Initial Incident Description (as reported):

Created: Emily Diamond (Eastern Region) - 2017/05/24 10:57:16 AM

Caller is reporting a topsoil business is operating behind their house (Limebank Rd and Earl Armstrong). It's the third year in a row that they have been operating and it is resulting in dust impacts. Caller states they have to keep windows closed and wipe down everything on their balcony and solarium prior to use because everything is covered in dust/dirt.

Caller said the name of the company is D&G.

Caller requested update.

SAC Action Class:

Non-Standard Procedure:

No

Incident Description:

Last update: Thandeka Ponalo (Ottawa District Office) - 2017/12/14 08:04 AM

June 7, 2017, 10:00: Set up meeting with operations Manager Ben Cready on Earl Armstrong Road. They have been operating for two years and will be done at the end of the year or spring 2018. He stated they have dust suppression when needed and they own water trucks for it. Employees know they should contact him if there is a lot of dust to bring water truck. They also water down site to help control dust generated from truck traffic. I asked if he had ever noticed dust leaving site as Ministry receiving complaints and he said he never really noticed it but trucks generate a lot of dust especially at the front of the site which they were directed to ensure is water down appropriately. Company instructed to be more diligent with measures to suppress dust or may be directed to have water truck on site at all times if the Ministry continues to receive complaints. Mr Cready stated that the screening of dust does also generate dust but as a barrier would be impractical they would move the screening to the further back on the property as there are no properties on the other side, which should help reduce dust. potentially reduce dust leaving site. No further actions will be required if Ministry receives no further reports.

No more reports received. no further action required. Recommend IR be closed.

Incident Description Continuation:

Incident Update:

Was there an MOE field response?

Yes

Site Visit (other than inspection or ERP Response):	Yes
Inspection:	No
ERP Response:	
Date of Arrival at Site:	2017/06/06
Time of Arrival at Site:	10:00
Were there samples collected / analyzed at any time?	No
Known or Suspected Health / Environmental Consequence at the Time of Incident	
Health / Environmental Consequence:	2 - Minor Environment

Has a Water Body been impacted?	No
Receiving Environment:	Air
Incident Event:	
Incident Reason:	
MOE/Other Agencies Involved:	Province - MOE-District Office
Was there a discharge / emission / spill of a contaminant to the environment?	
Yes	

Contaminants Table

Contaminant Name	Description	Code	UN#	Limit	Quantity	[units]	[freq]
DUST		32	n/a			other - see incident description	

Environmental Compliance Reporting (ECR)

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?
(legislation, certificate of approval, order, or guideline)
No

Voluntary / Mandatory Abatement

Was there Non-Compliance/Non-Conformance Identified?	☐ Yes ☒ No
Voluntary / Mandatory Compliance Items	
Type	Parent RefNo
Work Summary (may be truncated)	Date
	AttainList

Waste / EGR Information

Waste / EGR Information entries:

Document Related Information

Cross Reference:	(doc link)	Task Link:	3167-AMNL26 
Originating Document:		Created by:	Emily Diamond
Date Created:	2017/05/24	Date Completed:	
Office Receiving Incident Report:	Eastern Region	Incident Info Received By:	Emily Diamond
Bring Forward Date:		Bring Forward Reason:	

Signatures

Provincial Officer:

Name:	Thandeka Ponalo
Badge No:	1718
Work Unit:	Eastern Region
District/Area Office:	Ottawa District Office
Date:	2017/12/14
Signature:	

District/Area Supervisor:

Name:	
Work Unit:	
District/Area Office:	
Date:	
Signature:	



Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

INCIDENT REPORT

Reference Number:	5308-BXTMKZ	Module Type:	Spill
Status:	Closed	File Storage Number:	SI OT
Program:	Waste - Hazardous & Liquid industrial	Activity:	Spills

Caller or PO Reporting/Receiving Information

First Name:	Last Name:
Joseph	Adesina
Name of Company:	
SNC Lavalin	

MAILING ADDRESS

Civic Address:		Unit Identifier:	
1145 Hunt Club			
Delivery Designator:		Delivery Identifier:	
Municipality/ Unorganized Twp:	County/District:	Province/State:	Postal Code:
		Ontario	
Postal Station:		Country:	Canada
Telephone Number:	Extension:	Other Number:	Email Address:
613-297-8985			

Date Reported to MOE:	2021/02/01	Time Reported to MOE:	11:41
Date of Incident:	2021/02/01	Time of Incident:	08:00
Incident Date Confirmation:	Actual		

Client(s)

Client Details
SNC-Lavalin Constructors (Pacific) Inc., Business/Facility Name: OLRT Constructors Mailing Address: Suite 300 - 1600 Carling Ave, Ottawa, Ontario, Canada, K1Z 1G3 Physical Address: Suite 300 - 1600 Carling Ave, Ottawa, City, Ontario, Canada, K1Z 1G3

Telephone: (613)916-6700, email: jack.cembalisy@ottawa-lrt.ca
Client #: 1489-97AR8L, Client Type: Corporation, NAICS: 237990

Site(s)

Site Details

980 Earl Armstrong Road
Address: Lot: Lot 21, Concession: 1, Geographic Township: GLOUCESTER, Ottawa, City
District Office: Ottawa
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 10 -100 metres eg. Topographic Map,
Method: Map, UTM Easting: 445010, UTM Northing: 5014410, UTM Location Description: pond,
LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: 45.2756, Longitude: -75.6961
Site #: 5194-7YAP3W

Incident Summary:

SNC Lavalin: hyd fluid to grd, ctnd clnd 0.5 L

Initial Incident Description (as reported):

Created: Brenda Capicciotti (Spills Action Centre) - 2021/02/01 11:41:35 AM

SNC Lavalin reports spill at 980 Earl Armstrong Rd Ottawa construction site
Spill of hydraulic fluid, 0.5 litres spilled to gravel ground pad
Spill occurred at 08:00 and has been cleaned up.
Spill pads and trays used until spill was complete.
Dug out impacted gravel and disposed of in Clean Water Works bin for removal.
The casue was line came loose due to cold weather overnight
Noticed right away and stopped and fixed line right away, contained spill as much as possible.
No waterbodies, catch basins or sewers impacted.

not in spiaz
ITT = 3

SAC Action Class:

Non-Standard Procedure:

No

Incident Description:

Last update: Erin Legue (Ottawa District Office) - 2021/02/02 12:50 PM

2 Feb 2021 Ottawa District

Minor spill at construction site, spill kit used and the impacted area was remediated. Contaminated materials is CWW bin for disposal. Source of spill due to mechanical error, has been repaired.

No further action required, recommend close file.

Incident Description Continuation:

Incident Update:

Was there an MOE field response?	No
Were there samples collected / analyzed at any time?	No
Known or Suspected Health / Environmental Consequence at the Time of Incident	
Health / Environmental Consequence:	2 - Minor Environment

Has a Water Body been impacted?	No
Receiving Environment:	Land
Incident Event:	Leak/Break
Incident Reason:	Material Failure - Poor Design/Substandard Material
Source Type:	Valve/Fitting/Piping
Sector Type:	Miscellaneous Communal
MOE/Other Agencies Involved:	Province - MOE-District Office
Was there a discharge / emission / spill of a contaminant to the environment?	
Yes	

Contaminants Table

Contaminant Name	Description	Code	UN#	Limit	Quantity	[units]	[freq]
HYDRAULIC OIL		15	n/a		0.5	L	

Environmental Compliance Reporting (ECR)

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report? (legislation, certificate of approval, order, or guideline)
No

Voluntary / Mandatory Abatement

Was there Non-Compliance/Non-Conformance Identified?	☐ Yes ☒ No

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList

Waste / EGR Information

Waste / EGR Information entries:

Document Related Information

Cross Reference:	(doc link)	Task Link:	6854-BXTMW8 
Originating Document:		Created by:	Brenda Capicciotti
Date Created:	2021/02/01	Date Completed:	2021/02/09
Office Receiving Incident Report:	Spills Action Centre	Incident Info Received By:	Brenda Capicciotti
Bring Forward Date:		Bring Forward Reason:	

Signatures

Provincial Officer:

Name:	Erin Legue
Badge No:	1956
Work Unit:	Ottawa District Office
District/Area Office:	Ottawa District Office
Date:	2021/02/02
Signature:	

Supervisor:

Name:	Charlie Primeau
Work Unit:	Eastern Region
District/Area Office:	DWMD Ottawa Office
Date:	2021/02/09
Signature:	

Responsive Event Report - File

Event Number: 1-DX4ND

Summary Information

Summary:	SNC Lavalin: spill of motor oil on LRT site
Type:	SPILLS
Report Method:	Phone
State:	Open
Status:	Compliance Review Underway
Date Created:	04/27/2021 16:27:36
Date Reported:	04/27/2021 16:26:46
Date Occurred:	04/23/2021 00:00:00
Created By:	Chris Mutton
Assigned To:	CAPPELLOAN
Program:	
Regulated Activity:	
Municipality:	OTTAWA
District Office:	Ottawa District Office
Response Type:	Desktop Response

Call Reports

Summary:	SNC Lavalin: spill of motor oil on LRT site		
Report Details:	Caller is report a spill that occurred on Friday but was not noticed until today. It is a spill of 0.5L motor oil from a welding machine to the gravel. They cleaned it up by removing the contaminated material.		
Location:	980 Armstrong Rd		
Created By:	MUTTONCH		
Reference #:	1-DX4LV	Municipality:	OTTAWA
Date Created:	04/27/2021 16:24:08	Date Reported:	04/27/2021 16:26:46
Report Method:	Phone	Date Occurred:	04/23/2021 00:00:00
Outcome:	Responsive Event Created	Name not Provided:	N

Properties

ID:	1-DX4N1
Property Name:	
Municipality/County:	OTTAWA
District Office:	Ottawa District Office
Property Description:	

More Information

**Was there a discharge/emission/spill of a
contaminant to the natural environment?** Yes

Meets Criteria to Refer to TSSA: No

Offsite Impacts: No

**Is this spill confirmed to be below the
threshold for spills reporting exemption?** Yes

Receiving Environment: Land

Has a Water Body been impacted? No

Impacted Water Body/Watercourse:

Initial Health & Environment Consequence: Low

Final Health & Environment Consequence: Not Anticipated

MOE/Other Agencies Involved:

Specify Agency Name:

Can NAICS Code be determined? Yes

NAICS Code: 237990

Spilled from Source: Motor Vehicle

Specify Other:

Activity During which Spill Occurred:

Specify Other:

Incident Preceding Spill:

Specify Other:

Contributing Causes:

Specify process/unit/cause:

Root Cause:

Specify process/unit/cause:

Cleanup Status: Completed

Owner:

Controller:

Cleanup Report Provided:

Additional Report Provided:

Notes:

Created Date: 04/27/2021 16:57:35

Locked Date: 04/28/2021 16:57:35

Created By: LARKINLA

Subject: No further action

Details: I briefed EO Capello by email. This appears to be related to a 1 litre spill of motor oil that was cleaned up as per a previous entry made under this event. No further action is required at this time.

Attachments

Name: DRAFT 1-DX4ND Responsive Event - File

Serial Number: 1-DX4ND-1

Date Modified: 04/27/2021 16:31:25

URL:

Summary:

Description:

Contaminants

Contaminant Name: MOTOR OIL

Description:

UN#:

CAS#:

Material Type:

Quantity: 1 litre (L)

**Number of
Exceedances:**

Min. Quantity:

Max. Quantity:

Frequency:

Other Frequency:

Start Date/Time:

End Date/Time:

**Non-Compliance
Type:**

**Approval# / Permit# /
Legislation:**

Method:

Limit:

Limit Type:

Limit Measurement:

Responsive Event Report - File

Event Number
1-1RPBDZ

Summary Information:

Summary:	SNC Lavalin: cup of coolant to ground, cleaned
Type:	SPILLS
Report Method:	Phone
State:	Closed
Status:	Ministry Review Completed
Date Created:	04/20/2022 13:22:05
Date Reported:	04/20/2022 13:16:52
Date Occurred:	
Created By:	Akiko Date (DATEAK)
Assigned To:	CAPPELLOAN
Program:	
Municipality:	OTTAWA
District Office:	Ottawa District Office
Response Type:	Desktop Response

Call Reports:

Summary:	SNC Lavelin: coolant to ground, cleaned
Report Details:	Sarah McFadden, SNC Lavelin, 343-574-2922
	Reports that there was crane idling on site at overheated and coolant spilled on the ground about a cup - it was cleaned with a spill kit 4700 Limebank Rd, Ottawa
Location:	4700 Limebank Rd, Ottawa
Created By:	DATEAK
Reference #:	1-1RPBDK
Date Created:	04/20/2022 13:16:47
Report Method:	Phone
Outcome:	Responsive Event Created
Municipality:	
Date Reported:	04/20/2022 13:16:52
Date Occurred:	
Anonymous:	N

Properties:

ID:	1-1068N9
Property Name:	
Municipality/County:	OTTAWA
District Office:	Ottawa District Office
Property Description:	Vacant residential/commercial/ industrial land owned by a non-farmer with a portion being farmed

More Information:

Was there a discharge/emission/spill of a contaminant to the natural environment?	Yes
Meets Criteria to Refer to TSSA:	No
Offsite Impacts:	No
Is this spill confirmed to be below the threshold for spills reporting exemption?	No
Receiving Environment:	Land
Has a Water Body been impacted?	No
Impacted Water Body/Watercourse:	
Initial Health and Environment Consequence:	Low
Final Health and Environment Consequence:	
MOE/Other Agencies Involved:	
Specify Agency Name:	
Can NAICS Code be determined?	Yes
NAICS Code:	532410
Spilled from Source:	Motor Vehicle
Specify Other:	
Activity During which Spill Occurred:	Normal operations
Specify Other:	
Incident Preceding Spill:	Leak/Break
Specify Other:	
Contributing Causes:	Unknown
Specify process/unit/cause:	

Root Cause: Unknown
Specify process/unit/cause:

Cleanup Status: Completed
Owner:
Controller:
Cleanup Report Provided:
Additional Report Provided:

Notes:

Created Date: 04/25/2022 17:59:15 **Locked Date:**
Created By: CAPPELLOAN
Subject: ODO review
Details: Minor spill that was cleaned up (less than 1 L). No further action required.

Attachments:

Name: DRAFT 1-1RPBDZ Responsive Event - File
Serial Number: 1-1RPBDZ-1
Date Modified: 04/20/2022 14:15:05
URL:
Summary:
Description:

Entities:

Organization Type: Private Business **ID:** 1-1OGM56
Operating Name: SNC LAVALIN
Legal Name: SNC LAVALIN CONSTRUCTOR (PACIFIC) INC.
Address: 100-745 THURLOW STEET, VANCOUVER BC, V6E 0E5, OTTAWA, ON,

Contaminants:

Contaminant Name: COOLANT (N.O.S.)
Description:

UN#:	CAS#:
Material Type:	
Quantity:	250 millilitre (ml)

Signature:

Completed By: CAPPELLOAN

Badge Number: 1178

Date Completed: 04/25/2022 18:00:47



(Signature)

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 0166-ACPSEZ
Issue Date: August 23, 2016

Riverside South Development Corp.
2193 Arch Street
Ottawa, Ontario
K1G 2H5

Site Location: Part of 980 Earl Armstrong Road
Lot 21, Concession 1
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

establishment of stormwater management Works for the collection, transmission and disposal of stormwater run-off from a catchment area of approximately 24.08 hectares of Phase 8 and 15.15 hectares of Phase 13 Riverside South Community development site, and an off-site catchment area of approximately 107.06 hectares, located south of Earl Armstrong Road, east of Spratt Road, within Rideau River watershed, in the City of Ottawa, attenuating post-development peak flows to allowable release rates for all above 5-year storm events up to and including the 100-year storm event, discharging to the existing storm sewer system located on Spratt Road with a maximum release rate of 4366 L/s and on Shoreline Drive with a maximum release rate of 1021 L/s, consisting of the following:

on-site storages: approximately forty-four (44) roadway sags within Phase 8 Riverside South Community development site, equipped with inlet control devices, having a total available storage volume of approximately 1,520 m³, a maximum ponding depth of 0.3 m, before cascading to next road section;

stormwater management facility (Pond 4-P - catchment area 22.44 hectares): one (1) dry pond located east of Spratt Road, within Block 178, having a total available storage volume of approximately 2,864 m³ and a maximum depth of approximately 1.48 m, receiving stormwater run-off from Cambie Road, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located on Cambie Road, allowing a maximum release rate of 27 L/s under the 100-year storm event;

stormwater management facility (Pond 2-P - catchment area 13.84 hectares): one (1) dry pond located south of Earl Armstrong Road, west of Thomas Gamble Municipal Drain, within Block 217, having a total available storage volume of approximately 927 m³ and a maximum depth of approximately 1.5 m, receiving

stormwater run-off from Markdale Terrace, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located on Markdale Terrace, allowing a maximum release rate of 15 L/s under the 100-year storm event;

stormwater management facility (Pond 1-P - catchment area 2.95 hectares): one (1) dry pond located south of Earl Armstrong Road, east of Thomas Gamble Municipal Drain, within Block 230, having a total available storage volume of approximately 1,030 m³ and a maximum depth of approximately 1.35 m, receiving stormwater run-off from Larimar Circle, discharging via a 200 mm diameter outlet pipe complete with an inlet control device to the on-site storm sewer system located within Block 244, allowing a maximum release rate of 12 L/s under the 100-year storm event;

temporary off-site ditch system (Interim Works - catchment area 35.97 hectares): add an outlet control device to the existing roadside ditch along east side of Spratt Road, south of Cambie Road, having a maximum depth of approximately 1.35 m, discharging to the existing storm sewer system located on Spratt Road, allowing a maximum release rate of 1255 L/s under the 100-year storm event;

temporary off-site swale system (Interim Works - catchment area 71.09 hectares): approximately 530 m temporary swale along north side of future residential site, south of Phase 8 boundary, having a total available storage volume of approximately 1750 m³, a maximum depth of approximately 1.0 m, equipped with five (5) outlet control devices, discharging to the on-site storm sewer system located on Serenade Crescent west, Dreamcatcher Place, Serenade Crescent east, Ralph Hennessy Avenue and Cambie Road, allowing a total maximum release rate of 1767 L/s under the 100-year storm event;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;
2. "Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;
3. "District Manager" means District Manager of the Ottawa District Office of the Ministry;
4. "Interim Works" means the interim stormwater management works, described in this Approval and that are to be used for short-term purposes only in accordance with this Approval, until otherwise approval for an extension of this period has been granted;

5. "Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;
6. "Owner" means Riverside South Development Corp., and includes their successors and assignees;
7. "Works" means the sewage works described in the Owner's application(s) and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

- 1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the Conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
- 1.3 Where there is a conflict between a provision of any submitted document referred to in this Approval and the Conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
- 1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
- 1.5 The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such Condition to other circumstances and the remainder of this Approval shall not be affected thereby.
- 1.6 The issuance of, and compliance with the Conditions of this Approval does not:
 - (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or
 - (b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. EXPIRY OF APPROVAL

- 2.1 The Approval will cease to apply to those parts of the proposed Works which have not been constructed within **five (5) years** of the date of this Approval.
- 2.2 Approval under this Approval to the Interim Works shall expire and become null and void upon approval and commissioning of the permanent stormwater management facility that will be required to service subsequent phases of the Riverside South Community development site.

3. CHANGE OF OWNER

The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

- (a) change of Owner;
- (b) change of address of the Owner;
- (c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; and
- (d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

4. OPERATION AND MAINTENANCE

- 4.1 The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the stormwater management Works do not constitute a safety or health hazard to the general public.
- 4.2 The Owner shall ensure that the design storage volumes are maintained at all times.
- 4.3 The Owner shall undertake an inspection of the condition of the stormwater management Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the above noted stormwater management Works to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the Works. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.
- 4.4 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's corporate office for inspection by the Ministry. The logbook shall include the following:

- (a) the name of the Works; and
- (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the stormwater management Works.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

- 5.1 The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every **two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.
- 5.2 The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

6. RECORD KEEPING

The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval, dated November 25, 2015, and received on January 19, 2016, including final plans and specifications prepared by J.L. Richards & Associates Limited.
2. Site Servicing Report, Riverside South Development Corporation, Riverside South Phase 8, Part of 980 Earl Armstrong Road, City of Ottawa, February 2015 (Revised August 2015, October 2015, November 2015), prepared by J.L. Richards & Associates Limited.
3. Engineering Drawings, stamped and dated November 27, 2015, prepared by J.L. Richards & Associates Limited.
4. Emails from Ivan Dzeparoski, J.L. Richards & Associates Limited, dated August 9 and August 11, 2016, including all supporting information.
5. Email from Natasha Baird, City of Ottawa, dated August 18, 2016, including all supporting information.
6. Emails from Julie white, J.L. Richards & Associates Limited, dated August 22 and August 23, 2016, including all supporting information.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from this approved stormwater management Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. Furthermore, Condition 4 is included to ensure that the stormwater management Works are operated and maintained to function as designed.
5. Condition 5 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction, until they are no longer required.
6. Condition 6 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 23rd day of August, 2016



Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

LW/
c: DWMD Supervisor, MOECC Ottawa
Lucie Dalrymple, P.Eng., J.L. Richards & Associates Limited

22

674



RECEIVED
APR - 3 1953
GEOLOGICAL DEPARTMENT

County or Territorial District.....*Palmer*.....Township, Village, Town or City.....*Flowersburg*
 _____ (in Village, Town or City).....*Lincoln*
 _____ Address*Lincoln*

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

Pumping Test

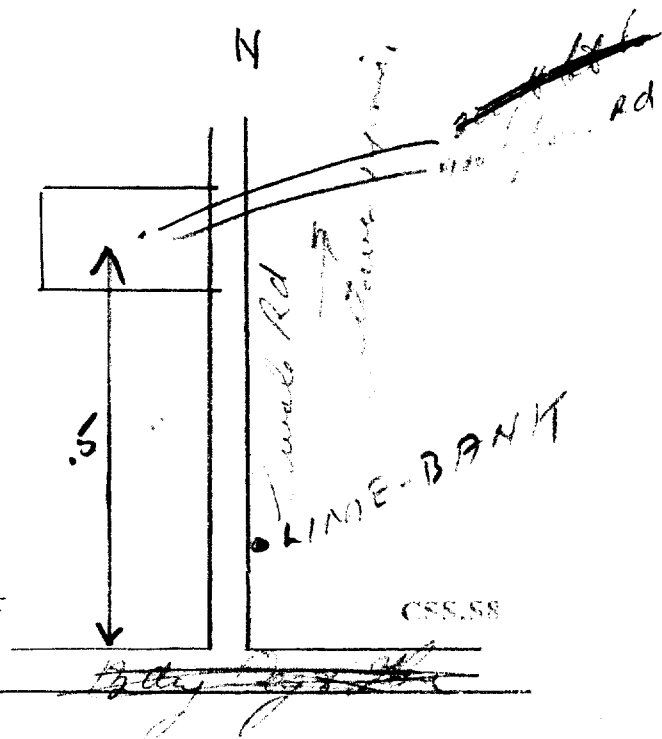
Casing diameter(s) <u>4"</u>	Static level <u>73'</u>
Length(s) <u>48'</u>	Pumping rate <u>300 GPM</u>
Type of screen	Pumping level <u>30'</u>
Length of screen	Duration of test <u>1 hr.</u>

Water Record

[illegible]

Date Jan 20 2018 EM Eagle
Signature of Licensee

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



CS9.98

CSS.98

316/56



ONTARIO

The Water-well Drillers Act, 1954
Department of Mines

GROUND WATER BRANCH

15 No 1713

DEC 12 1958

ONTARIO WATER
RESOURCES COMMISSION

UTM 1182 4481150E

5R 5012930N

Elev. 1224.5

Basin 125

Lot 24

Water-Well Record

County or Territorial District Carleton Township, Village, Town or City Gloucester
in Village, Town or City)
Address P.P. 4 Ottawa
(day) (month) (year)

Pipe and Casing Record

Pumping Test

Casing diameter(s) <u>4"</u>	Static level <u>15.7</u>
Length(s) <u>12'</u>	Pumping rate <u>160 gal PER HR</u>
Type of screen	Pumping level <u>25</u>
Length of screen	Duration of test <u>1 hr</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>Black loamy ground</u>	<u>0</u>	<u>2</u>	<u>32 ft</u>	<u>17 ft</u>	<u>fresh</u>
<u>hard grey</u>					
<u>limestone</u>	<u>2</u>	<u>9</u>			
<u>Soft blue</u>					
<u>limestone</u>	<u>9</u>	<u>32</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? hill

Drilling firm

Address

Name of Driller James Kettle

Address

Licence Number 537

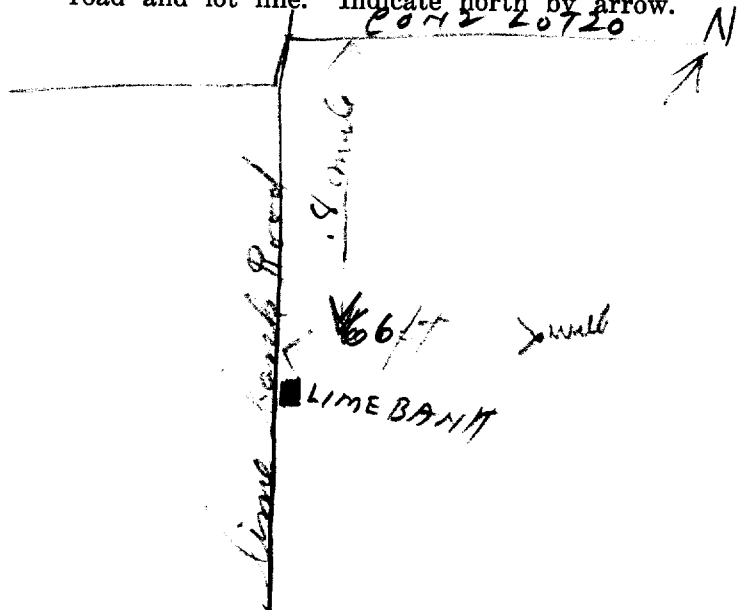
I certify that the foregoing statements of fact are true.

Date 10 23

Signature of Licensee James Kettle

Location of Well

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





1509612

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Gloucester
 Con. 1 R. FRONT. Lot 9 22 22 Date completed 15 May 1968.
 Owner P. E. Blais Const. (Radio C.J.R.C.) Job Address Manotick, Ont.
 (print in block letters)

Casing and Screen Record

Pumping Test

Inside diameter of casing 5 1/2"
 Total length of casing 32'
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 5 1/2"

Static level 3'
 Test-pumping rate 18 G.P.M.
 Pumping level 20'
 Duration of test pumping 2 hrs.
 Water clear or cloudy at end of test clear
 Recommended pumping rate 6 G.P.M.
 with pump setting of 20 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record

From
ft.To
ft.Depth(s) at
which water(s)
foundKind of water
(fresh, salty,
sulphur)

blue clay
grey hard limestone

0
29

29
33

33freshFor what purpose(s) is the water to be used? domesticIs well on upland, in valley, or on hillside? valley 1/2

Drilling or Boring Firm

G. Charbonneau, Diamond & Cable Drilling,

Address R. R. 1, Box 194, Orleans, Ont.Licence Number 3039Name of Driller or Borer G. CharbonneauAddress R. R. 1, Box 194, Orleans, Ont.Date 15 May 1968.

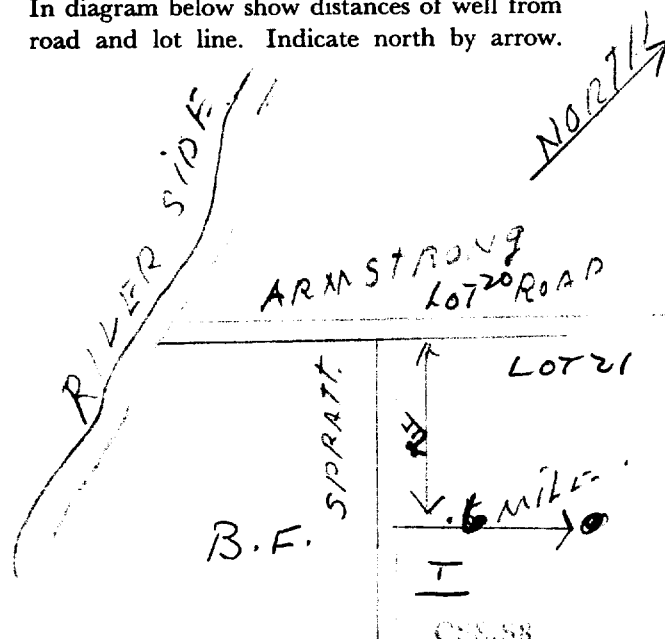
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M 60-20912

OWRC COPY

Location of Well

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



B

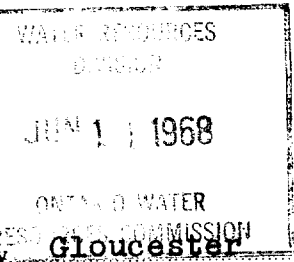
JTM

1182 4481140

Con. II
Lot 23



1509617



CODED

The Ontario Water Resources Commission Act

Elev.

31 10920

WATER WELL RECORD

Basin

25 Carleton

Township, Village, Town or City Gloucester

Con. 2 RF Lot 23 Date completed 27th May 1968 (day month year)

Address 31 Ste. Claire Ave. - Ottawa 5

Casing and Screen Record

Inside diameter of casing 6 3/16
Total length of casing 12'9"
Type of screen -
Length of screen -
Depth to top of screen -
Diameter of finished hole 6

Pumping Test

Static level 6
Test-pumping rate 1000 GPH
Pumping level 35
Duration of test pumping 1/2 hr.
Water clear or cloudy at end of test clear
Recommended pumping rate 5 G.P.M.
with pump setting of 38 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)
LIMESTONE rock	0	40	25-35	fresh

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

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

Drilling or Boring Firm

J.B. DUFRESNE & CO. LIMITED

Address 1014 Maitland Ave.,

Ottawa 5, Ont.

Licence Number 2999

Name of Driller or Borer R. Laniel

Address 6 Bellevue Cr. - Lucerne, Que.

Date May 27th 1968

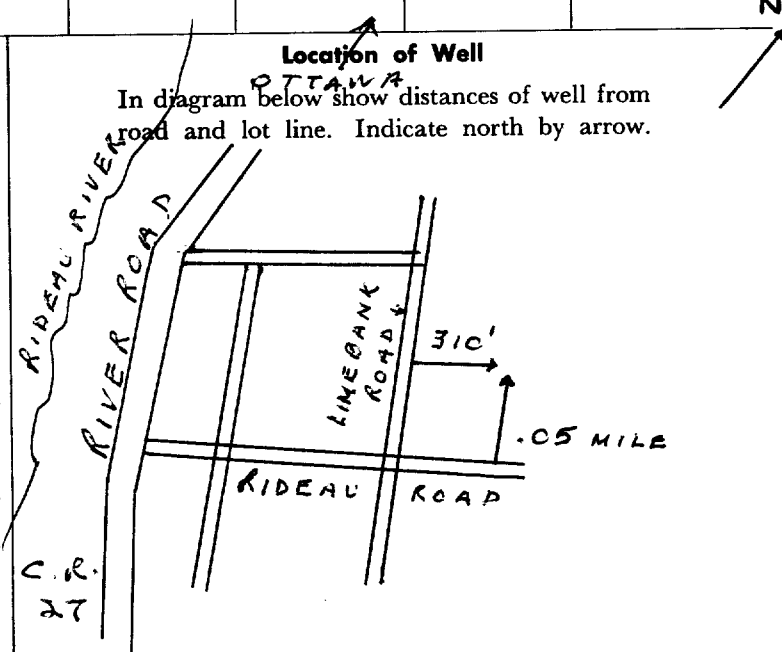
(Signature of Licensed Drilling or Boring Contractor)
for J.B. Dufresne & Co. Limited

Form 7 5M 60-20912

OWRC COPY

Location of Well

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



CS-13

WATER WELL RECORD

Ontario

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

1516754

MUNICIPALITY

15002

CON

CONFIDENTIAL

102

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

10 14

[illegible]

RR# 1, Manotick

DATE COMPLETED 48-5

DAY 14 MO. 07

013800

RC. 4 ELEVATION 0315

BASIN CODE
26

11 112

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31 000723412 0050915 0080 10218

32

41 WATER RECORD 51 CASING & OPEN HO

WATER RECORD

WATER FOUND AT - FEET		KIND OF WATER			
0-10-13	1 ☒ FRESH	3 ☐ SULPHUR	14		
	2 ☐ SALTY	4 ☐ MINERAL			
15-18	1 ☒ FRESH	3 ☐ SULPHUR	19		
	2 ☐ SALTY	4 ☐ MINERAL			
20-23	1 ☐ FRESH	3 ☐ SULPHUR	24		
	2 ☐ SALTY	4 ☐ MINERAL			
25-28	1 ☐ FRESH	3 ☐ SULPHUR	29		
	2 ☐ SALTY	4 ☐ MINERAL			
30-33	1 ☐ FRESH	3 ☐ SULPHUR	34		
	2 ☐ SALTY	4 ☐ MINERAL			

CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES		MATERIAL		WALL THICKNESS INCHES		DEPTH - FEET	
						FROM	TO
06-10-11 06-10-11	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	12		188		0	0022-16 22
17-18	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	19					20-23
24-25	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	26					27-30

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

LOCATION OF WELL

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



DRILLERS REMARKS:

**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
☐ OTHER

5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
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	

NAME OF WELL CONTRACTOR <i>Henry Mains Well Drilling</i>		LICENCE NUMBER <i>3644</i>
ADDRESS <i>Box 326, Richmond Ont</i>		
NAME OF DRILLER OR BORER <i>Henry Mains</i>		LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>Henry Mains</i>		SUBMISSION DATE DAY <i>14</i> MO. <i>7</i> YR. <i>78</i>

OFFICE USE ONLY	DATA SOURCE	58	CONTRACTOR	59-68	DATE RECEIVED	63-68	80
	1		3644		271178		
	DATE OF INSPECTION		INSPECTOR				
	23/5/79				J.P.P.		
REMARKS:							P
							WI



Well Record

Regulation 903 Ontario Water Resources Act

page of

• 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	

First Name <i>urbandale</i>		Last Name <i>Development</i>		Mailing Address (Street Number/Name, RR, Lot, Concession) <i>Ottawa</i>			
County/District/Municipality <i>Ottawa</i>		Township/City/Town/Village		Province Ontario	Postal Code	Telephone Number (include area code) <i>613-731-6331</i>	
Address of Well Location (County/District/Municipality) <i>Glowester</i>				Township <i>Ottawa</i>		Lot	Concession
RR#/Street Number/Name <i>4776 Limebank Rd</i>				City/Town/Village <i>Ottawa</i>		Site/Compartment/Block/Tract etc.	
GPS Reading	NAD <i>83</i>	Zone <i>18</i>	Easting <i>447868</i>	Northing <i>5013382</i>	Unit Make/Model <i>Secretrek NAD</i>	Mode of Operation:	☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify

[illegible]

Hole Diameter			Construction Record				Test of Well Yield					
Depth	Metres	Diameter	Inside diam centimetres	Material	Wall thickness centimetres	Metres		Pumping test method	Draw Down		Recovery	
From	To	Centimetres				From	To		Time min	Water Level Metres	Time min	Water Level Metres
0	7.31	91.44						Pump intake set at - (metres)	Static Level			
								Pumping rate - (litres/min)	1		1	
								Duration of pumping _____hrs + _____ min	2		2	
								Final water level end of pumping _____metres	3		3	
								Recommended pump type.	4		4	
								☐ Shallow ☐ Deep				
								Recommended pump depth. _____metres	5		5	
								Recommended pump rate.	10		10	
								(litres/min)	15		15	
								If flowing give rate -	20		20	
								(litres/min)	25		25	
								If pumping discontinued, give reason.	30		30	
									40		40	
									50		50	
									60		60	
Water Record												
Water found at _____ Metres / Kind of Water												
☐ m ☐ Fresh ☐ Sulphur												
☐ Gas ☐ Salty ☐ Minerals												
☐ Other: _____												
☐ m ☐ Fresh ☐ Sulphur												
☐ Gas ☐ Salty ☐ Minerals												
☐ Other: _____												
☐ m ☐ Fresh ☐ Sulphur												
☐ Gas ☐ Salty ☐ Minerals												
☐ Other: _____												
After test of well yield, water was												
☐ Clear and sediment free												
☐ Other, specify _____												
Chlorinated ☒ Yes ☐ No												

Plugging and Sealing Record			☐ Annular space	☒ Abandonment
Depth set at - Metres		Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
From	To			
0	4.46	Clean Clay	3 cm.	
4.46	6.09	Bentonite hole plug	14 Bags	
6.09	7.31	Clean Stone	1 1/2 C.m.	

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	<i>Not in use</i>
☐ Test Hole	☐ Abandoned, poor quality	☐ Replacement well	

Well Contractor/Technician Information			
Name of Well Contractor		Well Contractor's Licence No.	
RAYmond Pump & Well		7260	
Business Address (street name, number, city etc.)			
147 main st St Albert Ont.			
Name of Well Technician (last name, first name)		Well Technician's Licence No.	
JACques RAYmond		T-0264	
Signature of Technician/Contractor		Date Submitted	
		YYYY MM DD 2006 06 05	

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

Ministry Use Only				
Data Source			Contractor	
			7 26 0	
Date Received	YYYY	MM	DD	Date of Inspection
				YYYY MM DD
Remarks			Well Record Number	
OCT 27 2006				



Ministry of
the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Tag #: A164481 A164481

Measurements recorded in: ☒ Metric ☐ Imperial

S-15608 Page _____ of _____

Well Owner's Information

First Name <i>Morguard investment co Kelly Klassen</i>	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) <i>55 City Centre Dr. Suite 800 Mississauga</i>	Municipality <i>ON</i>	Province <i>ON</i>	Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name) <i>1420 Earl Armstrong</i>	Township	Lot	Concession
County/District/Municipality	City/Town/Village <i>Orton</i>	Province Ontario	Postal Code
UTM Coordinates NAD 83 <i>18 44 78 49 50 1 43 63</i>	Zone	Easting	Northing
Municipal Plan and Sublot Number		Other	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
<i>BRN</i>	<i>Top Soil</i>		<i>Soft</i>	<i>0</i>	<i>.31</i>
<i>BRN</i>	<i>Sand</i>	<i>Clay</i>	<i>Soft</i>	<i>.31</i>	<i>1.5</i>
<i>BRN</i>	<i>Silt</i>	<i>Clay</i>	<i>Soft</i>	<i>1.5</i>	<i>3.66</i>
<i>GRY</i>	<i>Silt</i>	<i>Clay</i>	<i>Soft wet</i>	<i>3.66</i>	<i>4.57</i>

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
<i>0</i>	<i>1.22</i>	<i>Beatonik</i>	
<i>1.22</i>	<i>4.57</i>	<i>Sand</i>	

Results of Well Yield Testing

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

Method of Construction

☐ Cable Tool ☐ Rotary (Conventional) ☐ Rotary (Reverse) ☐ Boring ☐ Air percussion ☒ Other, specify <i>direct push</i>	☐ Diamond ☐ Jetting ☐ Driving ☐ Digging	☐ Public ☐ Domestic ☐ Livestock ☐ Irrigation ☐ Industrial ☐ Other, specify	☐ Commercial ☐ Municipal ☒ Test Hole ☐ Cooling & Air Conditioning ☐ Not used ☐ Dewatering ☒ Monitoring

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To	Status of Well
<i>5.70</i>	<i>PVC</i>	<i>.390</i>	<i>0</i>	<i>1.5</i>	☒ Water Supply ☐ Replacement Well ☒ Test Hole ☐ Recharge Well ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To	Status of Well
<i>6.03</i>	<i>PVC</i>	<i>10</i>	<i>1.5</i>	<i>4.57</i>	☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify	Hole Diameter Depth (m/ft) From	To	Diameter (cm/in)
		<i>0</i>	<i>4.57</i>	

Well Contractor and Well Technician Information

Business Name of Well Contractor <i>Strata Drilling Corp</i>	Well Contractor's Licence No. <i>7 2 4 1</i>
Business Address (Street Number/Name) <i>665 Shields Court</i>	Municipality <i>Markham</i>
Province <i>ON</i>	Postal Code <i>L2R 8V2</i>
Business E-mail Address <i>Wmco@strata-drilling.com</i>	
Bus. Telephone No. (inc. area code) <i>905 764 9304</i>	Name of Well Technician (Last Name, First Name) <i>Beatty Brian</i>
Well Technician's Licence No. <i>3 6 1 6</i>	Signature of Technician and/or Contractor <i>[Signature]</i>
	Date Submitted <i>2014 06 06</i>

Map of Well Location

Please provide a map below following instructions on the back.

See Map

mw 1

Comments:

Well owner's information package delivered ☐ Yes ☐ No	Date Package Delivered Y Y Y Y M M D D <i>2014 06 04</i>	Ministry Use Only Audit No. <i>Z 187781</i> Date Work Completed <i>2014 06 04</i> Received <i>JUL 21 2014</i>

A164483

S-156D8 Page _____ of _____

First Name <i>Margard</i>	Last Name / Organization <i>Investment Gb Kelly Klassen</i>	E-mail Address	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) <i>5 City Centre Dr Suite 100</i>	Municipality <i>Mississauga</i>	Province <i>ON</i>	Telephone No. (inc. area code)

Address of Well Location (Street Number/Name) 1420 Earl Armstrong				Township		Lot		Concession	
County/District/Municipality				City/Town/Village Ottawa				Province Ontario	
UTM Coordinates				Municipal Plan and Sublot Number				Postal Code	
Zone Easting Northing NAD 83 18 447 849 501 4326								Other	

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BWN	Top Soil		Soft	0	.31
BWN	Sand	Clay	Soft	.31	1.5'
BWN	Silt	Clay	Soft	1.5	3.66
GRY	Silt	Clay	Soft wet	3.66	4.57

Depth Set at (m/ft)		Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
From	To		
0	1.22	Bentonite	
1.22	4.57	Sand	

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

☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☐ Not used
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☒ Test Hole	☒ Monitoring
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☐ Air percussion		☐ Industrial		
☒ Other, specify <u>direct Push</u>		☐ Other, specify _____		

Construction Record - Casing					Status of Well
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		☐ Water Supply ☐ Replacement Well ☒ Test Hole ☐ Recharge Well ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned,
			From	To	
1.03	PVC	388	0	1.5	

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
1.99	PVC	10	1.5	4.57

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

		Hole Diameter		
		Depth (m/ft)		Diameter (cm/in)
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	From	To	
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	0	4.57	8.25
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested			

		Hole Diameter		
		Depth (m/ft)		Diameter (cm/in)
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	From	To	
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested	0	4.57	8.25
Water found at Depth (m/ft) ☐ Gas ☐ Other, specify _____	Kind of Water: ☐ Fresh ☐ Untested			

Business Name of Well Contractor <i>Strata drilling Group</i>		Well Contractor's Licence No. <i>7 2 4 1</i>	
Business Address (Street Number/Name) <i>165 Shields Court</i>		Municipality <i>Markham</i>	
Province <i>ON</i>	Postal Code <i>L2R 4V2</i>	Business E-mail Address <i>Wreccords@stratasoil.com</i>	
Telephone No. (inc. area code) <i>057649304</i>	Name of Well Technician (Last Name, First Name) <i>Beatty Brian</i>		
Well Technician's Licence No. <i>3 6 1 6</i>	Signature of Technician and/or Contractor 		Date Submitted <i>2014/06/06</i>

Please provide a map below following instructions on the back.

See Map

MW 3

Comments:

Well owner's information package delivered	Date Package Delivered	Ministry Use Only Audit No. Z187782
	YYYYYMMDD Date Work Completed 20080606	

⊕ proposed borehole location



exp. exp Services Inc. www.exp.com t: +1 613 688 1899 f: +1 613 225 7337 2650 Queenview Drive, Suite 100 Ottawa, ON K2B 8H6, Canada		CLIENT: MORGUARD INVESTMENTS LIMITED TITLE: CONCEPTUAL SITE MODEL 1420 EARL ARMSTRONG ROAD, OTTAWA, ONTARIO	Project No. OTT-00216958-A0 Date: 1/2/00 Issued by: FIG 5
Issue: MARCH 2014 Design: T.G. Plotted: M.G.M. Review by: P.G.			



515208

2866812 1725-1 JUL 6 1 2014

Measurements recorded in: ☒ Metric ☐ Imperial

Web Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
CENTRE DES ÉCOLES CATHOLIQUES DU CENTRE-EST		THOS. CAVANAGH CONSTRUCTION	
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
904 CAVANAGH RD	ASTON	ON	K4A1B0 (416) 275-1111

Well Location

Address of Well Location (Street Number/Name) 925 RALPH HENNESSY DR		Township CHOUDESTON (RE)	Lot 21	Concession 1
County/District/Municipality CITY OF OTTAWA		City/Town/Village OTTAWA	Province Ontario	Postal Code
UTM Coordinates Zone NAD 8 3		Easting 1848745	Northing 5013376	Municipal Plan and Sublot Number Other

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

[illegible]

Angular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0.00	7.60	BEATONITE MOLEPLUG CREWT.	

Method of Construction

☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial	☒ Not used
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal	☐ Dewatering
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole	☒ Monitoring
☐ Boring	☐ Digging	☐ Irrigation	☐ Cooling & Air Conditioning	
☐ Air percussion		☐ Industrial		
☐ Other, <i>specify</i>		☐ Other, <i>specify</i>		

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		☐ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☒ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned,
			From	To	
2019	PVC		+96	760	

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		☐ Abandoned, Poor Water Quality ☒ Abandoned, other, specify <i>Constructed</i> ☐ Other, specify <i>2015</i>
			From	To	

Water Details

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

Hole Diameter

Hole Diameter		
Depth (m/ft)		Diameter (cm/in)
From	To	
0.00	7.60	0.077
		(1 1/4")

Well Contractor and Well Technician Information

Business Name of Well Contractor STANTON DRILLING INC		Well Contractor's Licence No. 4875
Business Address (Street Number/Name) 15750 ARCHES DR, BOX 29		Municipality PAKENHAM
Province ON	Postal Code K0A 2K0	Business E-mail Address stanton.drilling@bell.net
Bus. Telephone No. (inc. area code) 519-454-5000		Name of Well Technician (Last Name, First Name) SPRING, PETER
Well Technician's Licence No. 0986	Signature of Technician and/or Contractor 	Date Submitted 2018/11/15

Results of Well Yield Testing

Results of Well Field Testing		Draw Down		Recovery	
After test of well yield, water was:		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
☐ Clear and sand free ☐ Other, specify _____		Static Level	3.12		
If pumping discontinued, give reason:		1		1	
Pump intake set at (m/ft)		2		2	
Pumping rate (l/min / GPM)		3		3	
Duration of pumping _____ hrs + _____ min		4		4	
Final water level end of pumping (m/ft)		5		5	
If flowing give rate (l/min / GPM)		10		10	
Recommended pump depth (m/ft)		15		15	
Recommended pump rate (l/min / GPM)		20		20	
Well production (l/min / GPM)		25		25	
Disinfected?		30		30	
☐ Yes ☐ No		40		40	
		50		50	
		60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Earl Ambrose

Ralph Hennessy Ave

Sir (CNECOE)

BHS

Comments:

Comments:

Well owner's information
package delivered

☐ Yes
☒ No

Date Package Delivered
2/1/15

Date Work Completed
2/1/15

Ministry Use Only
Audit No. 2252118
DEC 21 2018
Received

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 (<https://data.ontario.ca/dataset/well-records>) .



[Go Back to Map](#)

Well ID

Well ID Number: 7358310

Well Audit Number: Z334183

Well Tag Number:

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

Well Location

Address of Well Location	Linebank rd/south of earl armstrong
Township	GLOUCESTER TOWNSHIP
Lot	

Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 447755.00 Northing: 5014061.00
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	40 ft	HOLEPLUG BENTONITE		

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: 7659

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	Depth	Diameter		

From	To	

Audit Number: Z334183

Date Well Completed: March 16, 2020

Date Well Record Received by MOE: May 15, 2020

Related

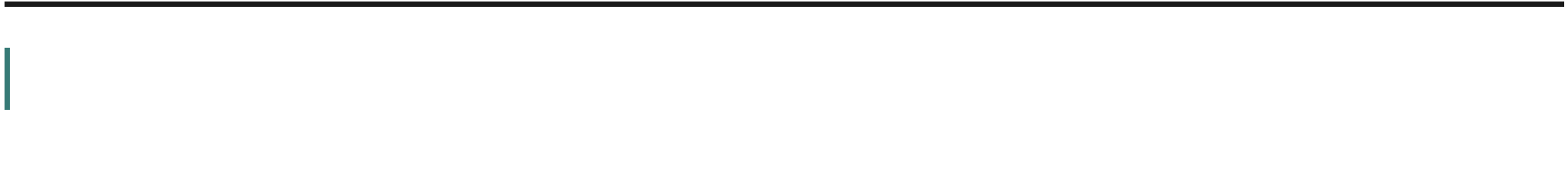
How to use a Ministry of the Environment map (<https://www.ontario.ca/page/how-use-ministry-environment-map#wells>)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

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 (<https://data.ontario.ca/dataset/well-records>) .



[Go Back to Map](#)

Well ID

Well ID Number: 7354739
Well Audit Number: Z280822
Well Tag Number: A215220

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

Well Location

Address of Well Location	limebank rd.	
Township	GLOUCESTER TOWNSHIP	
Lot		

Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 448050.00 Northing: 5013995.00
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 m	25.6 m	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: 7659

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	Depth	Diameter		

From	To	

Audit Number: Z280822

Date Well Completed: October 31, 2019

Date Well Record Received by MOE: March 02, 2020

Related

How to use a Ministry of the Environment map (<https://www.ontario.ca/page/how-use-ministry-environment-map#wells>)

Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

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 (<https://data.ontario.ca/dataset/well-records>) .



[Go Back to Map](#)

Well ID

Well ID Number: 7224068

Well Audit Number: Z187783

Well Tag Number: A164482

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

Well Location

Address of Well Location	1920 EARL ARMSTRONG	
Township	GLOUCESTER TOWNSHIP	
Lot		

Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 447856.00 Northing: 5014332.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To	
BLCK	LOAM		SOFT	0 m	.31 m	
BRWN	SAND	CLAY	SOFT	.31 m	1.5 m	
BRWN	SILT	CLAY	SOFT	1.5 m	3.1 m	

BRWN	SILT	CLAY	SOFT	3.1 m	4.57 m	

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed	
0 m	1.22 m	BENTONITE		
1.22 m	4.57 m	SAND		

Method of Construction & Well Use

Method of Construction	Well Use	
Direct Push		
	Test Hole	

Status of Well

Test Hole

Construction Record - Casing

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

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To	
4.82 cm	PLASTIC	1.5 m	4.57 m	

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

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

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

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	

4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
45		45		
50		50		
60		60		

Water Details

Water Found at Depth	Kind		

Hole Diameter

Depth From	Depth To	Diameter
0 m		

Audit Number: Z187783

Date Well Completed: June 04, 2014

Date Well Record Received by MOE: July 21, 2014

Related

- How to use a Ministry of the Environment map (<https://www.ontario.ca/page/how-use-ministry-environment-map#wells>)
- Technical documentation: Metadata record (<https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77>)

Grant Paterson

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: January 29, 2024 11:42 AM
To: Grant Paterson
Subject: RE: Search Records request-PE6399

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please apply for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.

Please follow the steps below to access the applications and the Service Prepayment Portal:

Accessing the applications

1. Click [Request a Public Record](#)
2. Select the appropriate application, download it, complete it in full and save it (you will have to upload application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form - **PI-095-v2**) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationsservices@tssa.org.

Kind regards,



Slavka Zahrebelny | Public Information Agent

Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9

Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org

www.tssa.org



Winner of 2023 5-Star Safety Cultures Award

From: Grant Paterson

<GPaterson@patersongroup.ca>

Sent: Monday, January 29, 2024 11:09 AM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search Records request-PE6399

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good morning,

Could you please complete a search of your record for underground/aboveground storage tanks, historical spills, or other incidents/infractions for the following address in Ottawa Ontario:

Earl Armstrong Road: 980, 1420, 1424, 1515, and 3785

Limebank Road: 4700, 4705, 4755, and 4776

Thanks,
Grant Paterson



Grant Paterson

Junior Environmental Inspector

TEL: (613) 226-7381 ext. 344

CELL: (343) 961-5549

DIRECT: (613) 800-5584

9 AURIGA DRIVE
OTTAWA ON K2E 7T9

patersongroup.ca

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



File Number: D06-03-24-0040

June 6, 2024

Grant Paterson
Paterson Group

Sent via email gpaterson@patersongroup.ca

Dear Grant Paterson,

Re: Information Request
980 Earl Armstrong Road and 4700 Limebank Road, Ottawa, Ontario
("Subject Property")

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Environmental Remediation Unit:** The Environmental Remediation Unit has several Phase I/One Environmental Site Assessments (Golder, 2009, 2015 & 2017) that include portions of these properties. Please contact ERU-UAE@ottawa.ca to obtain copies of these reports if required.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** The City's Sewer Use Program has identified approvals, permits, and other environmental documentation related to the property located at 980 Earl Armstrong Road.
- **Solid Waste Services:** The subject property is not within 5 kilometers of any Solid Waste Services facilities.

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the [Overview and User Guide](#)."

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: [Public Health Inspections - Ottawa Public Health](#)

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the

HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.

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

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

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Jonathan Chan

Student Planner

Development Review

Planning, Development and Building Services Department

City of Ottawa

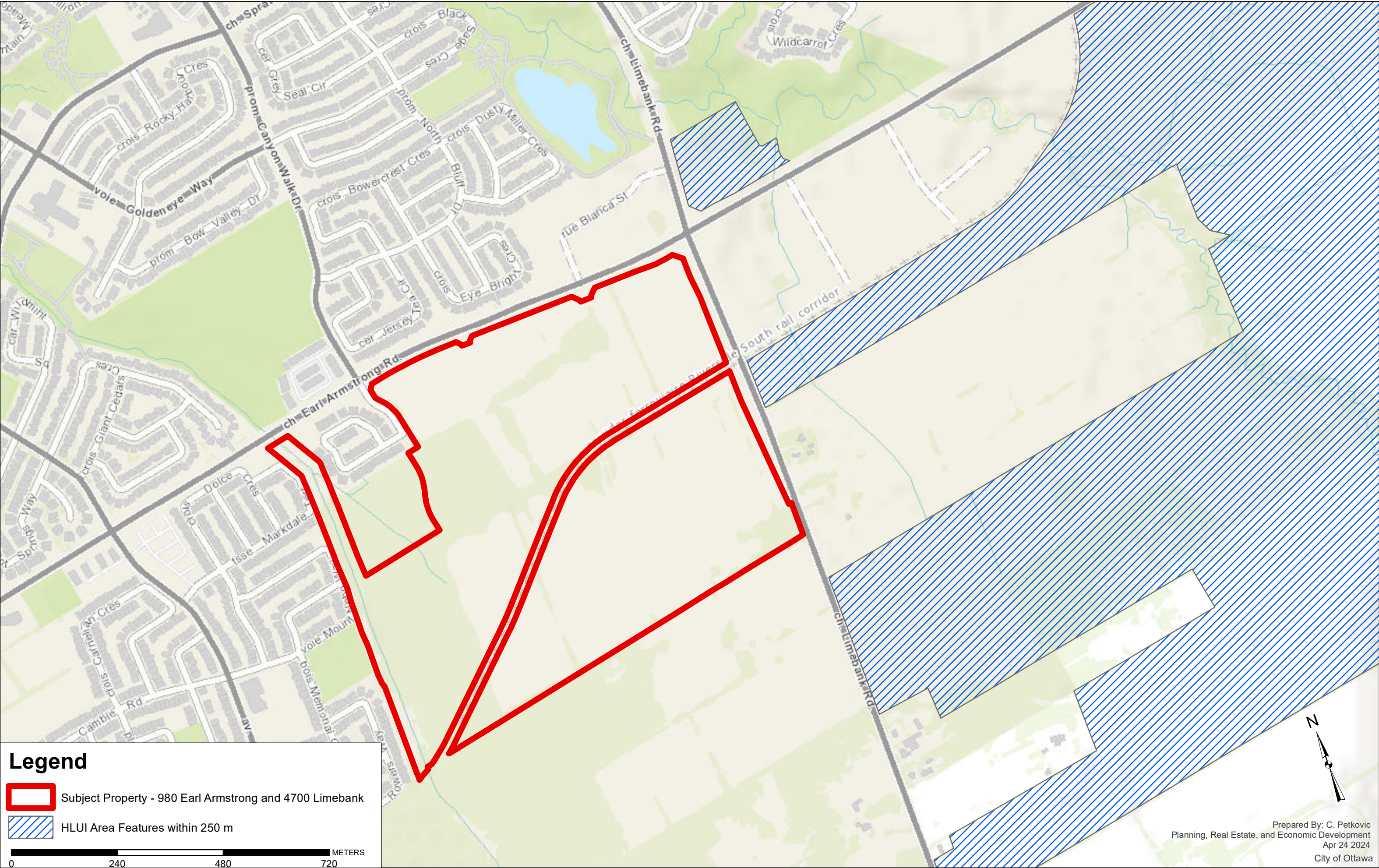
Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0040

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
11856	AVALON HOME BUILD	Residential Building Const	2012-ES	1	2012	ES 2012	1423	EARL ARMSTRON RD				1423	EARL ARMSTRON RD			K1X1E5	43314584	GLOUCESTER	231210		scraping or filling in 2011		809.3954187	35769.20467
15850	MODERN FARM SUPPL	Motor Vehicles, Wholesal	1953-AssessmentRole	2	1953	c. 1953	0				GLOUCESTER	1420	EARL ARMSTRON RD			K1X1E6	43290231	GLOUCESTER	415110; 415120	551; 571	agricultural land; Conn. 2,		13993.80537	3343675.968

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP





DATABASE REPORT

Project Property:	<i>Phase 1 update 980 Earl Armstrong Road Ottawa ON PE6399</i>
Project No:	
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>24012900333</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>January 30, 2024</i>

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Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Phase 1 update
980 Earl Armstrong Road Ottawa ON*

Project No: *PE6399*

Order Information:

Order No: *24012900333*

Date Requested: *January 29, 2024*

Requested by: *Paterson Group Inc.*

Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer [*ERIS Xplorer*](#)

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	0	2	2
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	1	3	4
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	7	9
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	2	4	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	11	12

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
		Total:	6	33	39

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
<u>1</u>	EHS		980 Earl Armstrong Road Ottawa ON	E/0.0	1.00	<u>19</u>
<u>2</u>	SPL		4630 Line Bank Road, Ottawa OTTAWA ON	ENE/0.0	1.03	<u>19</u>
<u>2</u>	EHS		4630 Limebank Road Ottawa ON K1V 2K6	ENE/0.0	1.03	<u>20</u>
<u>3</u>	SPL		E of Earl Armstrong and Limebank Rds., Ottawa ON	NNE/0.0	-1.00	<u>20</u>
<u>4</u>	WWIS		Linebank rd/south of earl armstrong Ottawa ON <i>Well ID:</i> 7358310	ENE/0.0	-0.05	<u>21</u>
<u>5</u>	ECA	Riverside South Development Corp.	980 Earl Armstrong Rd Part of and 1420 Earl Armstrong Road Ottawa ON K1G 2H5	NE/0.0	-0.69	<u>22</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>6</u>	SPL		4608-4670 Limebank Rd. Ottawa ON	ENE/12.8	-0.04	<u>23</u>
<u>7</u>	CA	City of Ottawa	Limebank Road and Earl Armstrong Rd Ottawa ON	NNE/54.3	-1.31	<u>23</u>
<u>7</u>	CA	City of Ottawa	Limebank Road and Earl Armstrong Rd Ottawa ON	NNE/54.3	-1.31	<u>24</u>
<u>7</u>	ECA	City of Ottawa	Limebank Road and Earl Armstrong Ottawa ON K1P 1J1	NNE/54.3	-1.31	<u>24</u>
<u>7</u>	ECA	City of Ottawa	Limebank Road and Earl Armstrong Ottawa ON K2G 6J8	NNE/54.3	-1.31	<u>24</u>
<u>7</u>	SPL	SNC-Lavalin Constructors (Pacific) Inc.	Closest intersection is Earl Armstrong Rd and Limebank Rd Ottawa ON	NNE/54.3	-1.31	<u>25</u>
<u>7</u>	SPL		Limebank Rd and Earl Armstrong Rd, Gloucester OTTAWA ON	NNE/54.3	-1.31	<u>26</u>
<u>8</u>	SPL		4689 Limebank Rd Gloucester ON	E/70.8	1.54	<u>26</u>
<u>9</u>	WWIS		lot 22 con 2 ON Well ID: 7338720	E/92.1	1.98	<u>27</u>
<u>10</u>	WWIS		lot 22 con 2 ON Well ID: 1509616	E/96.0	0.69	<u>29</u>
<u>11</u>	BORE		ON	E/96.0	0.69	<u>32</u>
<u>12</u>	PINC		3795 Canyon Walk, Ottawa ON	WNW/114.8	-2.00	<u>33</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
13	WWIS		1423 EARL ARMSTRONG RD GLOUCESTER ON Well ID: 7160257	NE/114.9	-1.00	34
14	EHS		Earl Armstrong Rd. and Limebank Rd. Ottawa ON	ESE/126.1	4.00	36
15	ECA	Urbandale Corporation	1515 Earl Armstrong Rd Ottawa ON K1G 2H5	N/142.1	-2.00	36
15	EASR	URBANDALE CORPORATION	1515 Earl Armstrong RD Ottawa ON K1X 1E5	N/142.1	-2.00	36
16	EHS		1515 Earl Armstrong Road Gloucester ON K1X	N/143.9	-2.00	37
16	EHS		1515 Earl Armstrong Road Gloucester ON K1X	N/143.9	-2.00	37
16	EHS		1515 Earl Armstrong Road Gloucester ON K1X	N/143.9	-2.00	37
16	EHS		1515 Earl Armstrong Road Gloucester ON K1X	N/143.9	-2.00	37
17	WWIS		lot 20 con 2 ON Well ID: 1519066	NNE/150.1	-1.31	38
18	EHS		1420 Earl Armstrong Rd Ottawa ON K1X1E6	NE/155.9	-3.00	41
19	WWIS		lot 22 con 2 ON Well ID: 1514566	E/174.6	1.69	41
20	WWIS		1420 EARL ARMSTONG lot 21 con 2 OTTAWA ON Well ID: 7224166	NE/175.8	-2.92	45
21	BORE		ON	SE/182.8	4.00	49

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>22</u>	WWIS		1920 EARL ARMSTRONG OTTAWA ON Well ID: 7224068	NE/184.5	-2.92	<u>50</u>
<u>23</u>	WWIS		1420 EARL ARMSTONG OTTAWA ON Well ID: 7224165	NE/189.7	-3.76	<u>53</u>
<u>24</u>	WWIS		4755 Limebank Road lot 22 con 2 Ottawa ON Well ID: 7418965	E/196.9	0.94	<u>56</u>
<u>25</u>	HINC		250 CROISSANT EYE BRIGHT GLOUCESTER ON K1V 2K7	NNW/199.5	-2.00	<u>59</u>
<u>26</u>	HINC		318 ROYAL FERN WAY GLOUCESTER ON K1V 2K7	NW/231.4	-2.00	<u>60</u>
<u>27</u>	WWIS		4776 LIMEBANK ROAD OTTAWA ON Well ID: 1536769	SE/233.7	4.00	<u>60</u>
<u>28</u>	WWIS		limebank rd. Ottawa ON Well ID: 7354739	ENE/247.3	-1.20	<u>62</u>
<u>29</u>	EHS		1423 Earl Armstrong Rd Ottawa ON K1X1E5	NNE/249.3	-4.31	<u>64</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	96.0	<u>11</u>
	ON	182.8	<u>21</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	Limebank Road and Earl Armstrong Rd Ottawa ON	54.3	<u>7</u>
City of Ottawa	Limebank Road and Earl Armstrong Rd Ottawa ON	54.3	<u>7</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Nov 30, 2023 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
URBANDALE CORPORATION	1515 Earl Armstrong RD Ottawa ON K1X 1E5	142.1	<u>15</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Nov 30, 2023 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Riverside South Development Corp.	980 Earl Armstrong Rd Part of and 1420 Earl Armstrong Road Ottawa ON K1G 2H5	0.0	<u>5</u>
City of Ottawa	Limebank Road and Earl Armstrong Ottawa ON K1P 1J1	54.3	<u>7</u>
City of Ottawa	Limebank Road and Earl Armstrong Ottawa ON K2G 6J8	54.3	<u>7</u>
Urbandale Corporation	1515 Earl Armstrong Rd Ottawa ON K1G 2H5	142.1	<u>15</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 9 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	980 Earl Armstrong Road Ottawa ON	0.0	<u>1</u>
	4630 Limebank Road Ottawa ON K1V 2K6	0.0	<u>2</u>
	Earl Armstrong Rd. and Limebank Rd. Ottawa ON	126.1	<u>14</u>
	1515 Earl Armstrong Road Gloucester ON K1X	143.9	<u>16</u>
	1515 Earl Armstrong Road Gloucester ON K1X	143.9	<u>16</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1515 Earl Armstrong Road Gloucester ON K1X	143.9	16
	1515 Earl Armstrong Road Gloucester ON K1X	143.9	16
	1420 Earl Armstrong Rd Ottawa ON K1X1E6	155.9	18
	1423 Earl Armstrong Rd Ottawa ON K1X1E5	249.3	29

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	250 CROISSANT EYE BRIGHT GLOUCESTER ON K1V 2K7	199.5	25
	318 ROYAL FERN WAY GLOUCESTER ON K1V 2K7	231.4	26

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	3795 Canyon Walk, Ottawa ON	114.8	12

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2021; see description has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

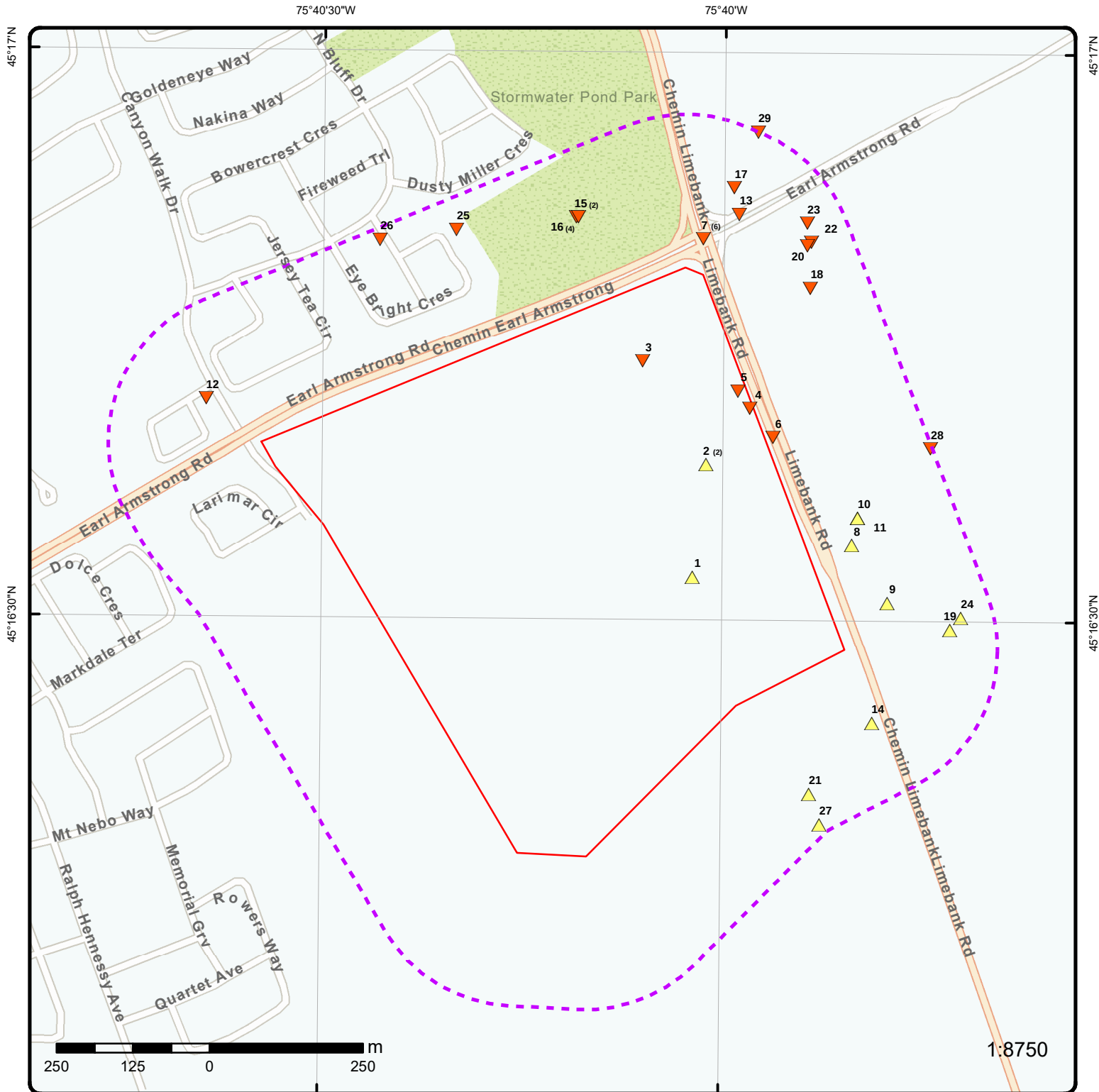
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	4630 Line Bank Road, Ottawa OTTAWA ON	0.0	<u>2</u>
	E of Earl Armstrong and Limebank Rds., Ottawa ON	0.0	<u>3</u>
	4608-4670 Limebank Rd. Ottawa ON	12.8	<u>6</u>
	Limebank Rd and Earl Armstrong Rd, Gloucester OTTAWA ON	54.3	<u>7</u>
SNC-Lavalin Constructors (Pacific) Inc.	Closest intersection is Earl Armstrong Rd and Limebank Rd Ottawa ON	54.3	<u>7</u>
	4689 Limebank Rd Gloucester ON	70.8	<u>8</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 12 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Linebank rd/south of earl armstrong Ottawa ON Well ID: 7358310	0.0	<u>4</u>
	lot 22 con 2 ON Well ID: 7338720	92.1	<u>9</u>
	lot 22 con 2 ON	96.0	<u>10</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Well ID: 1509616		
	1423 EARL ARMSTRONG RD GLOUCESTER ON	114.9	<u>13</u>
	Well ID: 7160257		
	lot 20 con 2 ON	150.1	<u>17</u>
	Well ID: 1519066		
	lot 22 con 2 ON	174.6	<u>19</u>
	Well ID: 1514566		
	1420 EARL ARMSTONG lot 21 con 2 OTTAWA ON	175.8	<u>20</u>
	Well ID: 7224166		
	1920 EARL ARMSTRONG OTTAWA ON	184.5	<u>22</u>
	Well ID: 7224068		
	1420 EARL ARMSTONG OTTAWA ON	189.7	<u>23</u>
	Well ID: 7224165		
	4755 Limebank Road lot 22 con 2 Ottawa ON	196.9	<u>24</u>
	Well ID: 7418965		
	4776 LIMEBANK ROAD OTTAWA ON	233.7	<u>27</u>
	Well ID: 1536769		
	limebank rd. Ottawa ON	247.3	<u>28</u>
	Well ID: 7354739		



Map: 0.25 Kilometer Radius

Order Number: 24012900333

Address: 980 Earl Armstrong Road, Ottawa, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	Hospital

75°40'30"W

45°16'30"N

45°16'30"N



Aerial

Year: 2023

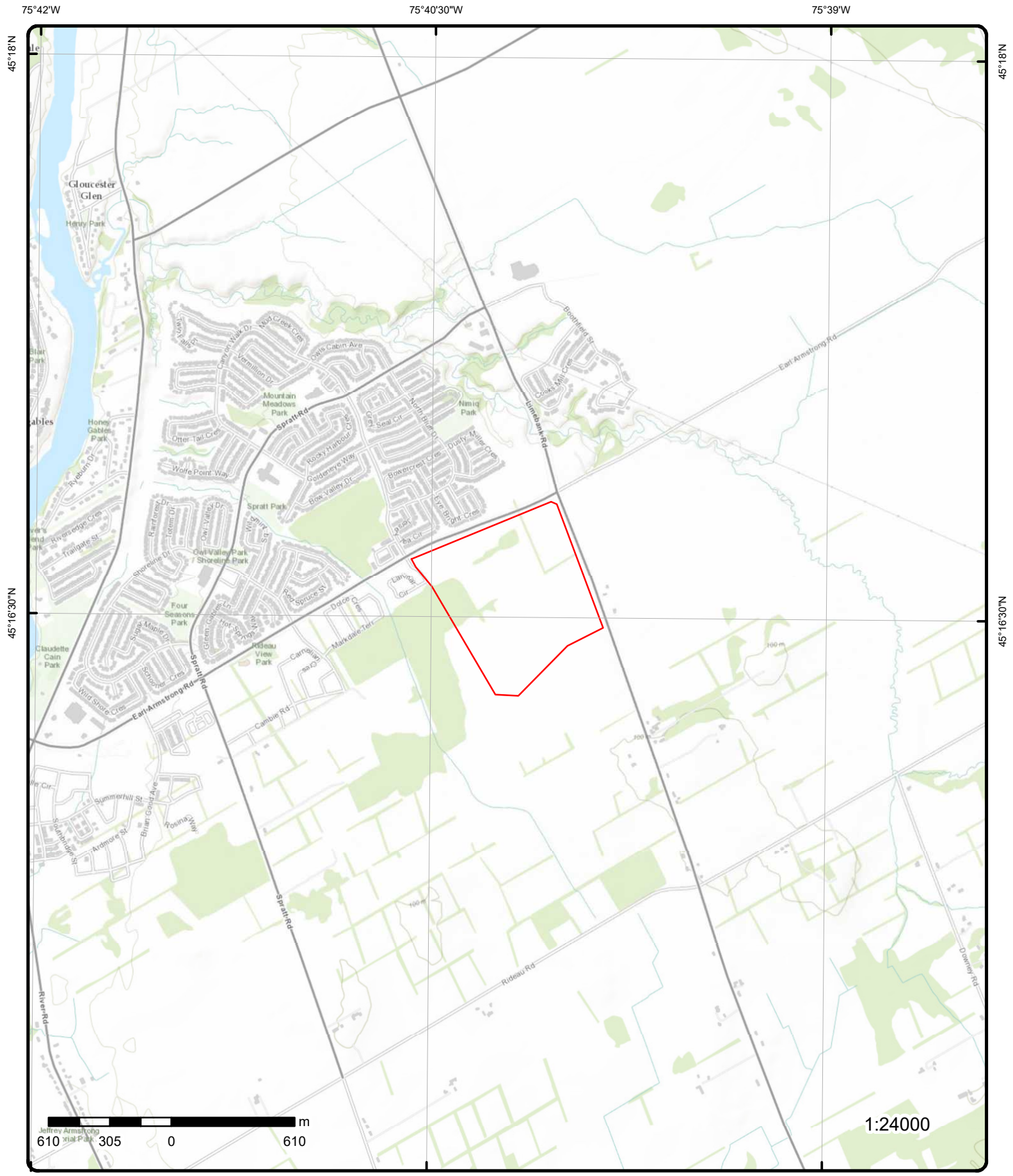
Order Number: 24012900333

Address: 980 Earl Armstrong Road, Ottawa, ON



Source: ESRI World Imagery

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Topographic Map

Address: 980 Earl Armstrong Road, ON

Source: ESRI World Topographic Map

Order Number: 24012900333



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	E/0.0	93.9 / 1.00	980 Earl Armstrong Road Ottawa ON	EHS
Order No: 20161118097 Status: C Report Type: Custom Report Report Date: 25-NOV-16 Date Received: 18-NOV-16 Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.667283 Y: 45.275623					
2	1 of 2	ENE/0.0	93.9 / 1.03	4630 Line Bank Road, Ottawa OTTAWA ON	SPL
Ref No: 1-1068QK Year: Incident Dt: 3/11/2022 10:00:00 AM Dt MOE Arvl on Scn: MOE Reported Dt: 3/11/2022 1:01:58 PM Dt Document Closed: 3/22/2022 8:17:26 AM Site No: Facility Name: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Ottawa District Office Nearest Watercourse: Site Name: Site Address: 4630 Line Bank Road, Ottawa Site Region: Site Municipality: OTTAWA Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Event: Environment Impact: 1 Minor Impact Nature of Impact: Contaminant Qty: 0 other - see notes System Facility Address: Client Name: Client Type: Call Report Locatn Geodata: {"integration_ids":["PR00004216896"],"wkts":["POINT (-75.6670199000 45.2772800000)","creation_date":"2022-03-11"} Contaminant Code: Contaminant Name: DIESEL FUEL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Land Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: 0 No Impact Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Receiving Environment: Incident Reason: Incident Summary: Pomerlau -1/2L Diesel Spill, Cleaned Activity Preceding Spill: Property 2nd Watershed: Lower Ottawa Property Tertiary Watershed: 02LA-Rideau Sector Type: SAC Action Class: Source Type:					
<u>2</u>	2 of 2	ENE/0.0	93.9 / 1.03	4630 Limebank Road Ottawa ON K1V 2K6	EHS
Order No: 23103000567 Status: C Report Type: Custom Report Report Date: 02-NOV-23 Date Received: 30-OCT-23 Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .5 X: -75.6670199 Y: 45.27728 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos					
<u>3</u>	1 of 1	NNE/0.0	91.9 / -1.00	E of Earl Armstrong and Limebank Rds., Ottawa ON	SPL
Ref No: 1-1CWX23 Year: Incident Dt: 10/27/2021 12:00:00 PM Dt MOE Arvl on Scn: MOE Reported Dt: 10/27/2021 12:33:36 PM Dt Document Closed: 11/4/2021 2:22:55 PM Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: 0 No Impact Agency Involved: Site No: Facility Name: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Ottawa District Office Nearest Watercourse: Site Name: Site Address: E of Earl Armstrong and Limebank Rds., Ottawa Site Region: Site Municipality: OTTAWA Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Event: Environment Impact: 0 No Impact Nature of Impact: Contaminant Qty: 2 litre (L) System Facility Address: Client Name: Client Type: Call Report Locatn Geodata: {"integration_ids":["PR00004300250"],"wkts":["POINT (-75.6683429645 45.2787930608)"],"creation_date":"2021-10-27"} Contaminant Code: Contaminant Name: HYDRAULIC OIL Contaminant Limit 1: Contam Limit Freq 1:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant UN No 1: Receiving Medium: Land Receiving Environment: Incident Reason: Incident Summary: 2L Hydraulic Fluid Spill, LRT, Ottawa Activity Preceding Spill: Property 2nd Watershed: Lower Ottawa Property Tertiary Watershed: 02LA-Rideau Sector Type: SAC Action Class: Source Type:					

4	1 of 1	ENE/0.0	92.8 / -0.05	Linebank rd/south of earl armstrong Ottawa ON	WWIS
Well ID: 7358310 Construction Date: Use 1st: Use 2nd: Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z334183 Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: GLOUCESTER TOWNSHIP Site Info: PDF URL (Map): Additional Detail(s) (Map) Well Completed Date: 03/16/2020 Year Completed: 2020 Depth (m): Latitude: 45.2781060303946 Longitude: -75.6661092927153 Path: Bore Hole Information Bore Hole ID: 1008282486 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 03/16/2020 Remarks: Loc Method Desc: on Water Well Record Elevrc Desc: Location Source Date: Improvement Location Source:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 05/15/2020 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7659 Form Version: 7 Owner: County: OTTAWA-CARLETON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Elevation: Elevrc: Zone: 18 East83: 447755.00 North83: 5014061.00 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Improvement Location Method: Source Revision Comment: Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008388282			
Layer:		1			
Plug From:		0.0			
Plug To:		40.0			
Plug Depth UOM:		ft			
<u>Pipe Information</u>					
Pipe ID:		1008386165			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008390721			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Links</u>					
Bore Hole ID:	1008282486			Tag No:	
Depth M:				Contractor:	7659
Year Completed:	2020			Latitude:	45.2781060303946
Well Completed Dt:	03/16/2020			Longitude:	-75.6661092927153
Audit No:	Z334183			Y:	45.27810602311328
Path:				X:	-75.66610913143063
<u>5</u>	1 of 1	NE/0.0	92.2 / -0.69	Riverside South Development Corp. 980 Earl Armstrong Rd Part of and 1420 Earl Armstrong Road Ottawa ON K1G 2H5	ECA
Approval No:	0965-A7HJ9E			MOE District:	
Approval Date:	2016-03-13			City:	
Status:	Approved			Longitude:	
Record Type:	ECA			Latitude:	
Link Source:	IDS			Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Riverside South Development Corp. Address: 980 Earl Armstrong Rd Part of and 1420 Earl Armstrong Road Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6616-A79RGP-14.pdf PDF Site Location:					
6	1 of 1	ENE/12.8	92.8 / -0.04	4608-4670 Limebank Rd. Ottawa ON	SPL
Ref No: 0787-BPHPSM Year: Incident Dt: 2020/05/11 Dt MOE Arvl on Scn: MOE Reported Dt: 2020/05/11 Dt Document Closed: 2020/07/17 Site No: NA Facility Name: MOE Response: No Site County/District: Site Geo Ref Meth: Site District Office: Ottawa Nearest Watercourse: Site Name: spill<UNOFFICIAL> Site Address: 4608-4670 Limebank Rd. Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: NAD83 Northing: 5014356.58 Easting: 447665.91 Incident Cause: Incident Event: Leak/Break Environment Impact: Nature of Impact: Contaminant Qty: 5 L System Facility Address: Client Name: Client Type: Call Report Locatn Geodata: Contaminant Code: 15 Contaminant Name: HYDRAULIC OIL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: n/a Receiving Medium: Receiving Environment: Land Incident Reason: Material Failure - Poor Design/Substandard Material Incident Summary: SNC-Lavalin: ~5L hydraulic oil to gravel/no impacts/cleaned Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: Unknown / N/A SAC Action Class: Land Spills Source Type: Valve/Fitting/Piping					
7	1 of 6	NNE/54.3	91.6 / -1.31	City of Ottawa Limebank Road and Earl Armstrong Rd Ottawa ON	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Certificate #: 0357-882LG7 Application Year: 2010 Issue Date: 8/20/2010 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
7	2 of 6	NNE/54.3	91.6 / -1.31	City of Ottawa Limebank Road and Earl Armstrong Rd Ottawa ON	CA
Certificate #: 2134-83GL8H Application Year: 2010 Issue Date: 3/15/2010 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
7	3 of 6	NNE/54.3	91.6 / -1.31	City of Ottawa Limebank Road and Earl Armstrong Ottawa ON K1P 1J1	ECA
Approval No: 0357-882LG7 Approval Date: 2010-08-20 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: City of Ottawa Address: Limebank Road and Earl Armstrong Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8659-874HRR-14.pdf PDF Site Location:					
7	4 of 6	NNE/54.3	91.6 / -1.31	City of Ottawa Limebank Road and Earl Armstrong Ottawa ON K2G 6J8	ECA
Approval No: 2134-83GL8H Approval Date: 2010-03-15 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley MOE District: Ottawa City: Longitude: -75.6776 Latitude: 45.275 Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS City of Ottawa Limebank Road and Earl Armstrong https://www.accessenvironment.ene.gov.on.ca/instruments/6561-83ESF5-14.pdf			
7	5 of 6	NNE/54.3	91.6 / -1.31	SNC-Lavalin Constructors (Pacific) Inc. Closest intersection is Earl Armstrong Rd and Limebank Rd Ottawa ON	SPL
Ref No: Year: Incident Dt: Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed: Site No: Facility Name: MOE Response: Site County/District: Site Geo Ref Meth: Site District Office: Nearest Watercourse: Site Name: Site Address: Site Region: Site Municipality: Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Event: Environment Impact: Nature of Impact: Contaminant Qty: System Facility Address: Client Name: Client Type: Call Report Locatn Geodata: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Receiving Environment: Incident Reason: Incident Summary: Activity Preceding Spill: Property 2nd Watershed: Property Tertiary Watershed: Sector Type: SAC Action Class: Source Type:		0124-BQLQYE 2020/06/15 2020/06/15 2020/07/17 NA No Ottawa SNC Lavalin <UNOFFICIAL> Closest intersection is Earl Armstrong Rd and Limebank Rd Eastern Ottawa 5014341 447684 Leak/Break 0.5 L SNC-Lavalin Constructors (Pacific) Inc. Corporation 15 ENGINE OIL n/a 1993 Land Material Failure - Poor Design/Substandard Material SNC Lavalin: engine oil to grvl. clnd 0.5 L Miscellaneous Communal Land Spills Motor Vehicle			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	6 of 6	NNE/54.3	91.6 / -1.31	Limebank Rd and Earl Armstrong Rd, Gloucester OTTAWA ON	SPL
Ref No: 1-WADRB Year: Incident Dt: 7/8/2021 6:00:00 AM Dt MOE Arvl on Scn: MOE Reported Dt: 7/13/2021 9:37:30 AM Dt Document Closed: 7/16/2021 9:10:28 AM Site No: Facility Name: MOE Response: Desktop Response Site County/District: Site Geo Ref Meth: Site District Office: Ottawa District Office Nearest Watercourse: Site Name: Site Address: Limebank Rd and Earl Armstrong Rd, Gloucester Site Region: Site Municipality: OTTAWA Site Lot: Site Conc: Site Geo Ref Accu: Site Map Datum: Northing: Easting: Incident Cause: Incident Event: Unknown / N/A Environment Impact: 0 No Impact Nature of Impact: Contaminant Qty: 1 litre (L) System Facility Address: Client Name: Client Type: Call Report Locatn Geodata: {"integration_ids":["PR00004333458"],"wkt":["POINT (-75.6670126000 45.2805732000)"],"creation_date":"2021-07-13"} Contaminant Code: Contaminant Name: OIL AND GREASE; VEGETABLE Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Land Receiving Environment: Incident Reason: Unknown Incident Summary: RW Tomlinson: 1 L form oil on gravel, cleaned up Activity Preceding Spill: Transportation Property 2nd Watershed: Lower Ottawa Property Tertiary Watershed: 02LA-Rideau Sector Type: INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION SAC Action Class: Source Type: Container/Drum/Tote Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: 0 No Impact Agency Involved:					

8	1 of 1	E/70.8	94.4 / 1.54	4689 Limebank Rd Gloucester ON	SPL
Ref No: 1-1TPD7Q Year: Incident Dt: 5/25/2022 11:00:00 PM Dt MOE Arvl on Scn: MOE Reported Dt: 5/30/2022 10:36:00 AM Dt Document Closed: 5/30/2022 1:58:52 PM Site No: Facility Name: Municipality No: Nature of Damage: Discharger Report: Material Group: Health/Env Conseq: 0 No Impact Agency Involved:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MOE Response:		Desktop Response			
Site County/District:					
Site Geo Ref Meth:					
Site District Office:		Ottawa District Office			
Nearest Watercourse:					
Site Name:					
Site Address:		4689 Limebank Rd Gloucester			
Site Region:					
Site Municipality:					
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Incident Cause:					
Incident Event:					
Environment Impact:		0 No Impact			
Nature of Impact:					
Contaminant Qty:		1 litre (L)			
System Facility Address:					
Client Name:		R. W. TOMLINSON			
Client Type:		Private Business			
Call Report Locatn Geodata:		{ "integration_ids": ["PR00004294818"], "wks": ["POINT (-75.6640520000 45.2760488000)", "creation_date": "2022-05-30"] }			
Contaminant Code:					
Contaminant Name:		FUEL OIL			
Contaminant Limit 1:					
Contam Limit Freq 1:					
Contaminant UN No 1:					
Receiving Medium:					
Receiving Environment:					
Incident Reason:					
Incident Summary:		Spill 1L diesel - Ottawa Light Rail Project - cleaned			
Activity Preceding Spill:					
Property 2nd Watershed:		Lower Ottawa			
Property Tertiary Watershed:					
Sector Type:					
SAC Action Class:					
Source Type:					

<u>9</u>	1 of 1	E/92.1	94.9 / 1.98	lot 22 con 2 ON	WWIS
Well ID:	7338720			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Abandoned-Other			Date Received:	08/02/2019
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:	Z256664			Contractor:	1558
Tag:				Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	022
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/733\7338720.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		11/22/2018			
Year Completed:		2018			
Depth (m):					
Latitude:		45.2752603687678			
Longitude:		-75.6632202026901			
Path:		733\7338720.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1007586394		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		11/22/2018		UTMRC Desc:	
Remarks:				Location Method:	
Loc Method Desc:		on Water Well Record		margin of error : 30 m - 100 m	
Elevrc Desc:				wwr	
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1008121407			
Layer:					
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008121412			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008121406			
Casing No:		0			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:	1008121410				
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1008121411				
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:					
<u>Water Details</u>					
Water ID:	1008121409				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
<u>Hole Diameter</u>					
Hole ID:	1008121408				
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Links</u>					
Bore Hole ID:	1007586394			Tag No:	
Depth M:				Contractor:	1558
Year Completed:	2018			Latitude:	45.2752603687678
Well Completed Dt:	11/22/2018			Longitude:	-75.6632202026901
Audit No:	Z256664			Y:	45.27526036174051
Path:	733\7338720.pdf			X:	-75.66322004197686
10	1 of 1	E/96.0	93.6 / 0.69	lot 22 con 2 ON	WWIS
Well ID:	1509616			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	10/17/1968
Water Type:				Selected Flag:	TRUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:			Abandonment Rec:		
Audit No:			Contractor: 1801		
Tag:			Form Version: 1		
Constructn Method:			Owner:		
Elevation (m):			County: OTTAWA-CARLETON		
Elevatn Reliabilty:			Lot: 022		
Depth to Bedrock:			Concession: 02		
Well Depth:			Concession Name: RF		
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:			GLOUCESTER TOWNSHIP		
Site Info:					
PDF URL (Map):			https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509616.pdf		
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:			09/11/1968		
Year Completed:			1968		
Depth (m):			40.8432		
Latitude:			45.2765079219691		
Longitude:			-75.6638492552751		
Path:			150\1509616.pdf		
<u>Bore Hole Information</u>					
Bore Hole ID:			10031648		
DP2BR:			Elevation:		
Spatial Status:			Elevrc:		
Code OB:			Zone: 18		
Code OB Desc:			East83: 447930.80		
Open Hole:			North83: 5013882.00		
Cluster Kind:			Org CS:		
Date Completed:			UTMRC: 4		
Remarks:			UTMRC Desc: margin of error : 30 m - 100 m		
Loc Method Desc:			Location Method: p4		
Elevrc Desc:			Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931012578		
Layer:			2		
Color:					
General Color:					
Mat1:			15		
Most Common Material:			LIMESTONE		
Mat2:			09		
Mat2 Desc:			MEDIUM SAND		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			52.0		
Formation End Depth:			134.0		
Formation End Depth UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931012577			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:		13			
Mat3 Desc:		BOULDERS			
Formation Top Depth:		0.0			
Formation End Depth:		52.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961509616			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10580218			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930055941			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		134.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930055940			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		57.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991509616			
Pump Set At:					
Static Level:		9.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping:		35.0			
Recommended Pump Depth:		35.0			
Pumping Rate:		200.0			
Flowing Rate:					
Recommended Pump Rate:		200.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			

Water Details

Water ID: 933464492
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 123.0
Water Found Depth UOM: ft

Links

Bore Hole ID:	10031648	Tag No:	
Depth M:	40.8432	Contractor:	1801
Year Completed:	1968	Latitude:	45.2765079219691
Well Completed Dt:	09/11/1968	Longitude:	-75.6638492552751
Audit No:		Y:	45.276507914677154
Path:	150\1509616.pdf	X:	-75.66384909322947

11

1 of 1

E/96.0

93.6 / 0.69

ON

BORE

Borehole ID:

612080

OGF ID:

215513390

Status:

Type:

Borehole

Use:

Completion Date:

SEP-1968

Static Water Level:

-2.1

Primary Water Use:

Sec. Water Use:

Total Depth m:

40.8

Depth Ref:

Ground Surface

Depth Elev:

Drill Method:

Orig Ground Elev m:

93.9

Elev Reliabil Note:

DEM Ground Elev m:

93.6

Concession:

Location D:

Survey D:

Comments:

Inclin FLG:

No

SP Status:

Initial Entry

Surv Elev:

No

Piezometer:

No

Primary Name:

Municipality:

Lot:

Township:

Latitude DD:

45.276508

Longitude DD:

-75.663849

UTM Zone:

18

Easting:

447931

Northing:

5013882

Location Accuracy:

Accuracy:

Not Applicable

Borehole Geology Stratum

Geology Stratum ID:	218390009	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	15.8	Material Texture:	
Material Color:		Non Geo Mat Type:	

33 erisinfo.com | Environmental Risk Information Services Order No: 24012900333

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Occurrence Desc:		While contractor took precautions to avoid hitting gas while digging through frozen ground, the locates were out of date.			
Damage Reason:		Excavation practices not sufficient			
Notes:					
13	1 of 1	NE/114.9	91.9 / -1.00	1423 EARL ARMSTRONG RD GLOUCESTER ON	WWIS
Well ID:		7160257	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:			Data Entry Status:		
Use 2nd:			Data Src:		
Final Well Status:		Abandoned-Other	Date Received: 03/11/2011		
Water Type:			Selected Flag: TRUE		
Casing Material:			Abandonment Rec: Yes		
Audit No:		Z119913	Contractor: 1119		
Tag:			Form Version: 7		
Constructn Method:			Owner:		
Elevation (m):			County: OTTAWA-CARLETON		
Elevatn Reliabilty:			Lot:		
Depth to Bedrock:			Concession:		
Well Depth:			Concession Name:		
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7160257.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		02/23/2011			
Year Completed:		2011			
Depth (m):					
Latitude:		45.2809580434948			
Longitude:		-75.6663594219965			
Path:		716\7160257.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		1003484943	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone:		
Code OB:			East83:		
Code OB Desc:			North83:		
Open Hole:			Org CS:		
Cluster Kind:			UTMRC:		
Date Completed:		02/23/2011	UTMRC Desc:		
Remarks:			Location Method:		
Loc Method Desc:		from gis			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1003800828			
Layer:		1			
Plug From:		0.0			
Plug To:		5.0			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003800829			
Layer:		2			
Plug From:		5.0			
Plug To:		57.0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003800826			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003800820			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003800824			
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003800825			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1003800823			
Layer:					
Kind Code:					
Kind:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:					
Water Found Depth UOM:		m			
Hole Diameter					
Hole ID:		1003800822			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Links					
Bore Hole ID:		1003484943	Tag No:		
Depth M:			Contractor:		1119
Year Completed:		2011	Latitude:		45.2809580434948
Well Completed Dt:		02/23/2011	Longitude:		-75.6663594219965
Audit No:		Z119913	Y:		45.28095803568345
Path:		716\7160257.pdf	X:		-75.66635926071046
14	1 of 1	ESE/126.1	96.9 / 4.00	Earl Armstrong Rd. and Limebank Rd. Ottawa ON	EHS
Order No:		20100506008	Nearest Intersection:		Earl Armstrong Rd. and Limebank Rd.
Status:		C	Municipality:		Ottawa
Report Type:		Custom Report	Client Prov/State:		ON
Report Date:		5/14/2010	Search Radius (km):		0.25
Date Received:		5/6/2010	X:		-75.663527
Previous Site Name:			Y:		45.273504
Lot/Building Size:		See attached Map			
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			
15	1 of 2	N/142.1	90.9 / -2.00	Urbandale Corporation 1515 Earl Amstrong Rd Ottawa ON K1G 2H5	ECA
Approval No:		6825-CTQLNW	MOE District:		Ottawa
Approval Date:		July 18, 2023	City:		
Status:		Approved	Longitude:		
Record Type:		ECA	Latitude:		
Link Source:		IDS	Geometry X:		-8419177.6915000007
SWP Area Name:		Rideau Valley	Geometry Y:		5683342.2796000028
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		Urbandale Corporation			
Address:		1515 Earl Amstrong Rd			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/4788-CT3R6G-14.pdf			
PDF Site Location:		1515 Earl Armstrong Road City of Ottawa, Ontario			
15	2 of 2	N/142.1	90.9 / -2.00	URBANDALE CORPORATION 1515 Earl Armstrong RD Ottawa ON K1X 1E5	EASR
Approval No:		R-009-6243333187	MOE District:		Ottawa
Status:		REGISTERED	Municipality:		Ottawa
Date:		September 26, 2023	Latitude:		45.28083333
Record Type:		EASR	Longitude:		-75.66972222

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Link Source: MOFA Project Type: Water Taking - Construction Dewatering Full Address: EASR-Water Taking - Construction Dewatering Approval Type: Rideau Valley SWP Area Name: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=3110945 PDF URL: 1515 Earl Armstrong Road PDF Site Location: Ottawa ON K1X 1E5					
16	1 of 4	N/143.9	90.9 / -2.00	1515 Earl Armstrong Road Gloucester ON K1X	EHS
Order No: 20200317199 Status: C Report Type: Standard Report Report Date: 20-MAR-20 Date Received: 17-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.669753 Y: 45.2809019					
16	2 of 4	N/143.9	90.9 / -2.00	1515 Earl Armstrong Road Gloucester ON K1X	EHS
Order No: 20200317199 Status: C Report Type: Standard Report Report Date: 20-MAR-20 Date Received: 17-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.669753 Y: 45.2809019					
16	3 of 4	N/143.9	90.9 / -2.00	1515 Earl Armstrong Road Gloucester ON K1X	EHS
Order No: 20200317199 Status: C Report Type: Standard Report Report Date: 20-MAR-20 Date Received: 17-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.669753 Y: 45.2809019					
16	4 of 4	N/143.9	90.9 / -2.00	1515 Earl Armstrong Road Gloucester ON K1X	EHS
Order No: 20200317199 Status: C Report Type: Standard Report Report Date: 20-MAR-20 Date Received: 17-MAR-20 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.669753 Y: 45.2809019					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	NNE/150.1	91.6 / -1.31	lot 20 con 2 ON	WWIS
Well ID:1519066 Construction Date: Use 1st:Domestic Use 2nd:0 Final Well Status:Water Supply Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info: Flowing (Y/N): Flow Rate: Data Entry Status: Data Src:1 Date Received:08/07/1984 Selected Flag:TRUE Abandonment Rec: Contractor:1558 Form Version:1 Owner: County:OTTAWA-CARLETON Lot:020 Concession:02 Concession Name:RF Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519066.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		06/12/1984			
Year Completed:		1984			
Depth (m):		27.432			
Latitude:		45.2813444709777			
Longitude:		-75.6664684993809			
Path:		151\1519066.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10040936		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				North83:	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	
Date Completed:		06/12/1984		UTMRC Desc:	
Remarks:				Location Method:	
Loc Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931040490			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		16.0			
Formation End Depth:		41.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931040491			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		13			
Mat3 Desc:		BOULDERS			
Formation Top Depth:		41.0			
Formation End Depth:		50.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931040489			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		16.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931040492			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		78			
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50.0			
Formation End Depth:		90.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		961519066			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10589506			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930071461			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		53.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930071462			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		90.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991519066			
Pump Set At:					
Static Level:		10.0			
Final Level After Pumping:		50.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		20.0			
Flowing Rate:					
Recommended Pump Rate:		5.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934381627			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		50.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934106886			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901135			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934651606			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933475941			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		87.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:		10040936		Tag No:	
Depth M:		27.432		Contractor:	1558
Year Completed:		1984		Latitude:	45.2813444709777
Well Completed Dt:		06/12/1984		Longitude:	-75.6664684993809
Audit No:				Y:	45.28134446413238
Path:		151\1519066.pdf		X:	-75.6664683376769
18	1 of 1	NE/155.9	89.9 / -3.00	1420 Earl Armstrong Rd Ottawa ON K1X1E6	EHS
Order No:		20140122010		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Custom Report		Client Prov/State:	ON
Report Date:		30-JAN-14		Search Radius (km):	.25
Date Received:		22-JAN-14		X:	-75.664873
Previous Site Name:				Y:	45.279879
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps			
19	1 of 1	E/174.6	94.6 / 1.69	lot 22 con 2 ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	1514566			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	01/30/1975
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1505
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	022
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514566.pdf				
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	08/29/1974				
Year Completed:	1974				
Depth (m):	32.004				
Latitude:	45.274871858378				
Longitude:	-75.6619178285033				
Path:	151\1514566.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	10036539			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448080.80
Code OB Desc:				North83:	5013699.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	08/29/1974			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Loc Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931026612				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	10				
Mat2 Desc:	COARSE SAND				
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		30.0			
Formation End Depth:		62.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931026613			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		18			
Most Common Material:		SANDSTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		62.0			
Formation End Depth:		105.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931026610			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		1.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931026611			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.0			
Formation End Depth:		30.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961514566			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10585109			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930064575			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		105.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930064574			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		64.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991514566			
Pump Set At:					
Static Level:		15.0			
Final Level After Pumping:		25.0			
Recommended Pump Depth:		35.0			
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:		15.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934100396			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		25.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934382996			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934901453			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934643567			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933470451			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		97.0			
Water Found Depth UOM:		ft			
<u>Links</u>					
Bore Hole ID:	10036539			Tag No:	
Depth M:	32.004			Contractor:	1505
Year Completed:	1974			Latitude:	45.274871858378
Well Completed Dt:	08/29/1974			Longitude:	-75.6619178285033
Audit No:				Y:	45.27487185122488
Path:	151\1514566.pdf			X:	-75.6619176676368

20	1 of 1	NE/175.8	90.0 / -2.92	1420 EARL ARMSTONG lot 21 con 2 OTTAWA ON	WWIS
Well ID:	7224166			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Observation Wells			Date Received:	07/21/2014
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z187782			Contractor:	7241
Tag:	A164483			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	021
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB				
Clear/Cloudy:		GLOUCESTER TOWNSHIP		UTM Reliability:					
Municipality:									
Site Info:									
PDF URL (Map):									
<u>Additional Detail(s) (Map)</u>									
Well Completed Date:		06/04/2014							
Year Completed:		2014							
Depth (m):		4.57							
Latitude:		45.2804982461062							
Longitude:		-75.6649387602761							
Path:									
<u>Bore Hole Information</u>									
Bore Hole ID:	1004950354			Elevation:					
DP2BR:				Elevrc:					
Spatial Status:				Zone:	18				
Code OB:				East83:	447849.00				
Code OB Desc:				North83:	5014326.00				
Open Hole:				Org CS:	UTM83				
Cluster Kind:				UTMRC:	3				
Date Completed:	06/04/2014			UTMRC Desc:	margin of error : 10 - 30 m				
Remarks:				Location Method:	wwr				
Loc Method Desc:	on Water Well Record								
Elevrc Desc:									
Location Source Date:									
Improvement Location Source:									
Improvement Location Method:									
Source Revision Comment:									
Supplier Comment:									
<u>Overburden and Bedrock</u>									
<u>Materials Interval</u>									
Formation ID:	1005234417								
Layer:	1								
Color:	8								
General Color:	BLACK								
Mat1:	02								
Most Common Material:	TOPSOIL								
Mat2:									
Mat2 Desc:									
Mat3:	85								
Mat3 Desc:	SOFT								
Formation Top Depth:	0.0								
Formation End Depth:	0.3100000023841858								
Formation End Depth UOM:	m								
<u>Overburden and Bedrock</u>									
<u>Materials Interval</u>									
Formation ID:	1005234419								
Layer:	3								
Color:	6								
General Color:	BROWN								
Mat1:	06								
Most Common Material:	SILT								
Mat2:	05								
Mat2 Desc:	CLAY								

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		3.6600000858306885			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005234420			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		3.6600000858306885			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005234418			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005234428			
Layer:		1			
Plug From:		0.0			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005234429			
Layer:		2			
Plug From:		1.2200000286102295			
Plug To:		4.570000171661377			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005234427			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005234416			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005234423			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.5			
Casing Diameter:		4.079999923706055			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005234424			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1005234422			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005234421			
Diameter:		8.25			
Depth From:		0.0			
Depth To:		4.570000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		1004950354		Tag No:	A164483
Depth M:		4.57		Contractor:	7241
Year Completed:		2014		Latitude:	45.2804982461062
Well Completed Dt:		06/04/2014		Longitude:	-75.6649387602761
Audit No:		Z187782		Y:	45.28049823885411
Path:		722\7224166.pdf		X:	-75.66493859895397

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	SE/182.8	96.9 / 4.00	ON	BORE
Borehole ID: 612073 OGF ID: 215513383 Status: Type: Borehole Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: -999 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 97.5 Elev Reliabil Note: DEM Ground Elev m: 95.4 Concession: Location D: Survey D: Comments: Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.272451 Longitude DD: -75.664822 UTM Zone: 18 Easting: 447851 Northing: 5013432 Location Accuracy: Accuracy: Not Applicable					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218389993 Top Depth: 14 Bottom Depth: 14.6 Material Color: Material 1: Gravel Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: GRAVEL. Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Geology Stratum ID: 218389994 Top Depth: 14.6 Bottom Depth: Material Color: Material 1: Bedrock Material 2: Limestone Material 3: Material 4: Gsc Material Description: Stratum Description: BEDROCK,LIMESTONE. 00097D. HARDPAN. SANDSTONE. 000830075SEISMIC VELOCITY = 17000. Mat Consistency: Hard Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Geology Stratum ID: 218389992 Top Depth: 0 Bottom Depth: 14 Material Color: Material 1: Till Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: TILL. Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
<u>Source</u>					
Source Type: Data Survey Source Appl: Spatial/Tabular					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Geological Survey of Canada 1956-1972 M			Source Iden: Scale or Res: Horizontal: Verticalda:	1 Varies NAD27 Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 045810 NTS_Sheet: 31G05B Confiden 1: Reliable information but incomplete.					
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
22	1 of 1	NE/184.5	90.0 / -2.92	1920 EARL ARMSTRONG OTTAWA ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status: Water Type: Casing Material: Audit No: Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:	7224068 Test Hole Test Hole Z187783 A164482 GLOUCESTER TOWNSHIP			Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: County: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	07/21/2014 TRUE 7241 7 OTTAWA-CARLETON
PDF URL (Map):					
Additional Detail(s) (Map)					
Well Completed Date: Year Completed: Depth (m): Latitude: Longitude: Path:	06/04/2014 2014 4.57 45.2805527709193 -75.6648501452559				
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed:	1004948517 06/04/2014			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc:	18 447856.00 5014332.00 UTM83 4 margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks:		Location Method:			www
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005231297			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005231298			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005231299			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		3.0999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1005231300			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		3.0999999046325684			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005231308			
Layer:		2			
Plug From:		1.2200000286102295			
Plug To:		4.570000171661377			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005231307			
Layer:		1			
Plug From:		0.0			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005231306			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005231296			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005231303			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.5			
Casing Diameter:		4.03000020980835			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID: 1005231304					
Layer: 1					
Slot: 10					
Screen Top Depth: 1.5					
Screen End Depth: 4.570000171661377					
Screen Material: 5					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter: 4.820000171661377					
Water Details					
Water ID: 1005231302					
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM: m					
Hole Diameter					
Hole ID: 1005231301					
Diameter:					
Depth From: 0.0					
Depth To:					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
Links					
Bore Hole ID:	1004948517			Tag No:	A164482
Depth M:	4.57			Contractor:	7241
Year Completed:	2014			Latitude:	45.2805527709193
Well Completed Dt:	06/04/2014			Longitude:	-75.6648501452559
Audit No:	Z187783			Y:	45.28055276393889
Path:				X:	-75.66484998376922

23	1 of 1	NE/189.7	89.1 / -3.76	1420 EARL ARMSTONG OTTAWA ON	WWIS
Well ID: 7224165					
Construction Date:					
Use 1st: Monitoring and Test Hole					
Use 2nd: 0					
Final Well Status: Observation Wells					
Water Type:					
Casing Material:					
Audit No: Z187781					
Tag: A164481					
Constructn Method:					
Elevation (m):					
Elevatn Reliabilty:					
Depth to Bedrock:					
Well Depth:					
Overburden/Bedrock:					
Pump Rate:					
Static Water Level:					
Clear/Cloudy:					
Municipality: GLOUCESTER TOWNSHIP					
Site Info:					
Flowing (Y/N):					
Flow Rate:					
Data Entry Status:					
Data Src:					
Date Received: 07/21/2014					
Selected Flag: TRUE					
Abandonment Rec:					
Contractor: 7241					
Form Version: 7					
Owner:					
County: OTTAWA-CARLETON					
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	06/04/2014				
Year Completed:	2014				
Depth (m):	4.57				
Latitude:	45.2808312785057				
Longitude:	-75.6649426504994				
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004950351			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	447849.00
Code OB Desc:				North83:	5014363.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	06/04/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:	on Water Well Record				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005234404				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	05				
Mat2 Desc:	CLAY				
Mat3:	85				
Mat3 Desc:	SOFT				
Formation Top Depth:	0.3100000023841858				
Formation End Depth:	1.5				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005234405				
Layer:	3				
Color:	6				
General Color:	BROWN				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	05				
Mat2 Desc:	CLAY				
Mat3:	85				
Mat3 Desc:	SOFT				
Formation Top Depth:	1.5				
Formation End Depth:	3.6600000858306885				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005234403			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005234406			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		3.6600000858306885			
Formation End Depth:		4.570000171661377			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005234414			
Layer:		1			
Plug From:		0.0			
Plug To:		1.2200000286102295			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005234415			
Layer:		2			
Plug From:		1.2200000286102295			
Plug To:		4.570000171661377			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005234413			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1005234402			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005234409			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.5			
Casing Diameter:		5.199999809265137			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005234410			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.570000171661377			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03000020980835			
<u>Water Details</u>					
Water ID:		1005234408			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005234407			
Diameter:					
Depth From:		0.0			
Depth To:		4.570000171661377			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:	1004950351			Tag No:	A164481
Depth M:	4.57			Contractor:	7241
Year Completed:	2014			Latitude:	45.2808312785057
Well Completed Dt:	06/04/2014			Longitude:	-75.6649426504994
Audit No:	Z187781			Y:	45.28083127203371
Path:	722\7224165.pdf			X:	-75.66494248862982
24	1 of 1	E/196.9	93.8 / 0.94	4755 Limebank Road lot 22 con 2 Ottawa ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	7418965			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	06/01/2022
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	MJNE8NNT			Contractor:	7675
Tag:	A311039			Form Version:	9
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	022
Depth to Bedrock:				Concession:	02
Well Depth:				Concession Name:	RF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					

Bore Hole Information

Bore Hole ID:	1009050544	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	448171.00
Code OB Desc:		North83:	5013707.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	04/06/2022	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	www
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1009050688
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1009050687
Layer:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009050796			
Layer:		2			
Plug From:		14.0			
Plug To:		20.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009050795			
Layer:		1			
Plug From:		0.0			
Plug To:		14.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1009050775			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1009050644			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1009050604			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1009050731			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		15.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Screen</u>					
Screen ID:		1009050744			
Layer:		1			
Slot:		10			
Screen Top Depth:		15.0			
Screen End Depth:		20.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.0			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1009050605			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
 <u>Water Details</u>					
Water ID:		1009050673			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		5.0			
Water Found Depth UOM:		ft			
 <u>Hole Diameter</u>					
Hole ID:		1009050757			
Diameter:		8.0			
Depth From:		0.0			
Depth To:		20.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>25</u>	1 of 1	NNW/199.5	90.9 / -2.00	250 CROISSANT EYE BRIGHT GLOUCESTER ON K1V 2K7	HINC
External File Num:		FS INC 0809-05114			
Fuel Occurrence Type:		Pipeline Strike			
Date of Occurrence:		8/29/2008			
Fuel Type Involved:		Natural Gas			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: Yes Property Damage: No Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training:No Management:No Human Factors:No Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
26	1 of 1	NW/231.4	90.9 / -2.00	318 ROYAL FERN WAY GLOUCESTER ON K1V 2K7	HINC
External File Num: FS INC 0804-01492 Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 3/31/2008 Fuel Type Involved: Natural Gas Status Desc: Completed - Causal Analysis(End) Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Construction Site (pipeline strike) Service Interruptions: Yes Property Damage: Yes Fuel Life Cycle Stage: Transmission, Distribution and Transportation Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:Yes Human Factors:Yes Reported Details: Fuel Category: Gaseous Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
27	1 of 1	SE/233.7	96.9 / 4.00	4776 LIMEBANK ROAD OTTAWA ON	WWIS
Well ID: 1536769 Construction Date: Use 1st: Not Used Use 2nd: Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z52510 Tag: Constructn Method: Elevation (m): Elevatn Reliabilty: Depth to Bedrock: Well Depth:					
Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 10/27/2006 Selected Flag: TRUE Abandonment Rec: Yes Contractor: 7260 Form Version: 3 Owner: County: OTTAWA-CARLETON Lot: Concession: Concession Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:				Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
		GLOUCESTER TOWNSHIP			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536769.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		05/09/2006			
Year Completed:		2006			
Depth (m):					
Latitude:		45.2720028224447			
Longitude:		-75.6645973275737			
Path:		153\1536769.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		11691863		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	447868.00
Code OB Desc:				North83:	5013382.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:		05/09/2006		UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933286544			
Layer:		2			
Plug From:		4.460000038146973			
Plug To:		6.090000152587891			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933286543			
Layer:		1			
Plug From:		0.0			
Plug To:		4.460000038146973			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933286545			
Layer:		3			
Plug From:		6.090000152587891			
Plug To:		7.309999942779541			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961536769			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11696729			
Casing No:		1			
Comment:					
Alt Name:					
<u>Hole Diameter</u>					
Hole ID:		11755431			
Diameter:		91.44000244140625			
Depth From:		0.0			
Depth To:		7.309999942779541			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Links</u>					
Bore Hole ID:		11691863		Tag No:	
Depth M:				Contractor:	7260
Year Completed:		2006		Latitude:	45.2720028224447
Well Completed Dt:		05/09/2006		Longitude:	-75.6645973275737
Audit No:		Z52510		Y:	45.272002814814456
Path:		153\1536769.pdf		X:	-75.6645971663119
28	1 of 1	ENE/247.3	91.7 / -1.20	limebank rd. Ottawa ON	WWIS
Well ID:		7354739		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Abandoned-Other		Date Received:	03/02/2020
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	Yes
Audit No:		Z280822		Contractor:	7659
Tag:		A215220		Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GLOUCESTER TOWNSHIP			
Site Info:					
PDF URL (Map):					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		10/31/2019			
Year Completed:		2019			
Depth (m):					
Latitude:		45.2775338448023			
Longitude:		-75.6623414659235			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1008190377			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	448050.00
Code OB Desc:				North83:	5013995.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	10/31/2019			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Loc Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1008290670			
Layer:		1			
Plug From:		0.0			
Plug To:		25.600000381469727			
Plug Depth UOM:		m			
<u>Pipe Information</u>					
Pipe ID:		1008288862			
Casing No:		0			
Comment:					
Alt Name:					
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:					
Pump Test ID:		1008292828			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Flowing:</i>					
<u>Links</u>					
Bore Hole ID:	1008190377			Tag No:	A215220
Depth M:				Contractor:	7659
Year Completed:	2019			Latitude:	45.2775338448023
Well Completed Dt:	10/31/2019			Longitude:	-75.6623414659235
Audit No:	Z280822			Y:	45.27753383810779
Path:				X:	-75.66234130467573

29	1 of 1	NNE/249.3	88.6 / -4.31	1423 Earl Armstrong Rd Ottawa ON K1X1E5	EHS
Order No:	20140328001			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	07-APR-14			Search Radius (km):	.25
Date Received:	28-MAR-14			X:	-75.665982
Previous Site Name:	Dairy farm			Y:	45.282168
Lot/Building Size:	3.19 hectares				
Additional Info Ordered:					

Unplottable Summary

Total: **64** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Appleton Subdivision	Part of Lot 21, Concession 2	Ottawa ON	
CA	Appleton Subdivision	Part of Lot 21, Concession 2	Ottawa ON	
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON	
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON	
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON	
CA		Lot 20, Conc. 1 (Rideau Front), City of Gloucester	Ottawa ON	
CA	City of Ottawa	River Road to Limebank Rd	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	

CA	Urbandale Corporation	Part of Lot 20, Concession 1	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	Rideau Carleton Raceway Holdings Limited	Earl Armstrong Road, High Road, and Canyon Walk Drive	Ottawa ON	
CA	Urbandale Corporation		Ottawa ON	
CA	City of Ottawa	River Road to Limebank Rd	Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	LOTS 20-23, CONCESSION 1	OTTAWA CITY ON	
CA	Riverside South Development Corp.	Geographic Township of Gloucester	Ottawa ON	
CA	Riverside South Development Corp.		Ottawa ON	
EBR	Riverside South Development Corporation (RSDC)		ON	
ECA	Riverside South Development Corp.		Ottawa ON	K1G 2H5
ECA	SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon	Corporation	Ottawa ON	K1Z 1G3
ECA	SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc.,	operating as Transitnext General Partnership Limebank Rd	Ottawa ON	M5H 3T9
ECA	City of Ottawa	Earl Armstrong Rd	Ottawa ON	K1P 1J1
ECA	City of Ottawa	Earl Armstrong Rd (Earl Armstrong Road to River Road)	Ottawa ON	K1P 1J1
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	Urbandale Corporation		Ottawa ON	K1G 2H5

ECA	Urbandale Corporation		Ottawa ON	K1G 2H5
ECA	City of Ottawa	Earl Armstrong Rd River Road to Limebank Road	Ottawa ON	K1P 1J1
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
GEN	ROBADAIR LTD.	BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F"	OTTAWA ON	K2C 3H3
RSC		Lots 23 & 24, Con 1,	Gloucester ON	
RSC		Part Lot 23	Ottawa ON	
RSC		Part Lot 23, Township of Gloucester	Ottawa ON	
WWIS		con 1	ON	
WWIS		lot 22	ON	
WWIS		lot 22	ON	
WWIS		lot 23 con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		lot 23	ON	
WWIS		lot 22	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		lot 20	ON	
WWIS		con 1	ON	
WWIS		lot 22	ON	

WWIS

lot 20

ON

WWIS

lot 21 con 1

ON

Unplottable Report

Site: **Urbandale Corporation**
 Ottawa ON

Database:
CA

Certificate #: 2169-5WVM7Y
Application Year: 2004
Issue Date: 3/12/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
 Ottawa ON

Database:
CA

Certificate #: 2160-765JJX
Application Year: 2007
Issue Date: 8/16/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
 Ottawa ON

Database:
CA

Certificate #: 1998-6Y7KJ9
Application Year: 2007
Issue Date: 2/12/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
 Ottawa ON

Database:
CA

Certificate #: 1830-6H3P2S

Application Year: 2005
Issue Date: 10/14/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
Ottawa ON

Database:
CA

Certificate #: 1712-6N6RR7
Application Year: 2006
Issue Date: 3/27/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
Ottawa ON

Database:
CA

Certificate #: 1130-6BLHGE
Application Year: 2005
Issue Date: 4/21/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Appleton Subdivision**
Part of Lot 21, Concession 2 Ottawa ON

Database:
CA

Certificate #: 9776-55UJ3V
Application Year: 02
Issue Date: 1/2/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Richcraft Homes Ltd.
Client Address: 201-2280 St. Laurent Blvd.
Client City: Ottawa
Client Postal Code: K1G 4K1
Project Description: Construction of a Watermain
Contaminants:
Emission Control:

Site: *Appleton Subdivision
Part of Lot 21, Concession 2 Ottawa ON*

Database:
CA

Certificate #: 7361-55UJ9V
Application Year: 02
Issue Date: 1/2/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Richcraft Homes Ltd.
Client Address: 201-2280 St. Laurent Blvd.
Client City: Ottawa
Client Postal Code: K1G 4K1
Project Description: Construction of Storm and Sanitary Sewers
Contaminants:
Emission Control:

Site: *Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON*

Database:
CA

Certificate #: 5220-4L9R6L
Application Year: 00
Issue Date: 6/15/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Construction of Watermain on Cirrus Way from Sandy Forest Place to Giant Cedars Crescent.
Contaminants:
Emission Control:

Site: *Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON*

Database:
CA

Certificate #: 1056-4NANMY
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: Amended CofA
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: OTTAWA
Client Postal Code: K1G 2H5
Project Description: Construction of watermain on River Road, Shoeline Drive, Wildshore Crescent, Walkway Easement, Commercial Block, and Puffin Court.
Contaminants:
Emission Control:

Site: *Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON*

Database:
CA

Certificate #: 2227-4L9R22
Application Year: 00
Issue Date: 6/15/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Urbandale Corporation

Client Address: 2193 Arch Street
Client City: Ottawa
Client Postal Code: K1G 2H5
Project Description: Storm and Sanitary sewers to be constructed on Cirrus Way from Sandy Forest Place to Giant Cedars Crescent.
Contaminants:
Emission Control:

Site: Lot 20, Conc. 1 (Rideau Front), City of Gloucester Ottawa ON **Database:** CA

Certificate #: 8618-4NANFM
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: Amended CofA
Client Name: Urbandale Corporation
Client Address: 2193 Arch Street
Client City: Ottawa
Client Postal Code: K1G 2H5
Project Description: Construction of sanitary sewer on River Road from pumping station (approx. 1800 m north of Armstrong Road) to temporary entrance to Riverside South Community (approx. 750 m north of Armstrong Road), temporary Entrance Easement. Construction of storm and sanitary sewers on Shoreline Drive, Wildshore Crescent, Walkway Easement, Commercial Block, and Puffin Court
Contaminants:
Emission Control:

Site: City of Ottawa River Road to Limebank Rd Ottawa ON **Database:** CA

Certificate #: 2826-7UPNU6
Application Year: 2009
Issue Date: 8/10/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Urbandale Corporation Ottawa ON **Database:** CA

Certificate #: 2869-6KVTJC
Application Year: 2006
Issue Date: 1/12/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Urbandale Corporation **Database:** CA

Ottawa ON

Certificate #: 3681-7QWNXY
Application Year: 2009
Issue Date: 4/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
Part of Lot 20, Concession 1 Ottawa ON

Database:
CA

Certificate #: 5155-667MFQ
Application Year: 2004
Issue Date: 11/1/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Riverside South Development Corp.**
Geographic Township of Gloucester Ottawa ON

Database:
CA

Certificate #: 5641-7FHJMY
Application Year: 2008
Issue Date: 6/11/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Urbandale Corporation**
Ottawa ON

Database:
CA

Certificate #: 5942-6BWPUR
Application Year: 2005
Issue Date: 5/3/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: *Urbandale Corporation
Part of Lot 20, Concession 1 Ottawa ON*

Database:
CA

Certificate #: 6191-5PPQ63
Application Year: 2003
Issue Date: 7/25/2003
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Urbandale Corporation
Ottawa ON*

Database:
CA

Certificate #: 6829-6Y7RQX
Application Year: 2007
Issue Date: 2/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Riverside South Development Corp.
Ottawa ON*

Database:
CA

Certificate #: 7037-6MXLUE
Application Year: 2006
Issue Date: 3/18/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Riverside South Development Corp.
Geographic Township of Gloucester Ottawa ON*

Database:
CA

Certificate #: 8040-7NVLD3
Application Year: 2009
Issue Date: 2/11/2009
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Urbandale Corporation
Ottawa ON*

Database:
CA

Certificate #: 8145-7TYK8L
Application Year: 2009
Issue Date: 7/17/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Rideau Carleton Raceway Holdings Limited
Earl Armstrong Road, High Road, and Canyon Walk Drive Ottawa ON*

Database:
CA

Certificate #: 8720-6H XK59
Application Year: 2005
Issue Date: 11/10/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Urbandale Corporation
Ottawa ON*

Database:
CA

Certificate #: 8787-5YQRUU
Application Year: 2004
Issue Date: 5/10/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa
River Road to Limebank Rd Ottawa ON*

Database:
CA

Certificate #: 9430-7V8P7B
Application Year: 2009
Issue Date: 9/9/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Riverside South Development Corp.*
Ottawa ON

Database:
CA

Certificate #: 7653-8EJM3S
Application Year: 2011
Issue Date: 3/7/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *R.M. OF OTTAWA-CARLETON*
LOTS 20-23, CONCESSION 1 OTTAWA CITY ON

Database:
CA

Certificate #: 3-1503-94-
Application Year: 94
Issue Date: 12/23/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Riverside South Development Corp.*
Geographic Township of Gloucester Ottawa ON

Database:
CA

Certificate #: 9979-7PCKHF
Application Year: 2009
Issue Date: 3/18/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: Riverside South Development Corp.
Ottawa ON

Database:
CA

Certificate #: 8169-8G5KMV
Application Year: 2011
Issue Date: 5/5/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Riverside South Development Corporation (RSDC)
ON

Database:
EBR

EBR Registry No:	012-7921	Decision Posted:
Ministry Ref No:	MNRF INST 49/16	Exception Posted:
Notice Type:	Instrument Decision	Section:
Notice Stage:		Act 1:
Notice Date:	April 13, 2017	Act 2:
Proposal Date:	June 14, 2016	Site Location Map:
Year:	2016	
Instrument Type:	(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species	
Off Instrument Name:		
Posted By:		
Company Name:	Riverside South Development Corporation (RSDC)	
Site Address:		
Location Other:		
Proponent Name:		
Proponent Address:	2193 Arch Street, Ottawa Ontario, Canada K1G 3H5	
Comment Period:		
URL:		

Site Location Details:

Part of Lots 21 - 23, Concession 1 (Rideau Front) of the Geographic Township of Gloucester. RSDC Phase 13 includes approximately 49 hectares located east of Spratt Road and south of Earl Armstrong Road in southeastern Ottawa, Ontario. CITY OF OTTAWA

Site: Riverside South Development Corp.
Ottawa ON K1G 2H5

Database:
ECA

Approval No:	0166-ACPSEZ	MOE District:
Approval Date:	2016-08-23	City:
Status:	Revoked and/or Replaced	Longitude:
Record Type:	ECA	Latitude:
Link Source:	IDS	Geometry X:
SWP Area Name:		Geometry Y:
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS	
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS	
Business Name:	Riverside South Development Corp.	
Address:		
Full Address:		
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3244-A6CPHG-14.pdf	
PDF Site Location:		

Site: *SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon Corporation Ottawa ON K1Z 1G3* **Database:** *ECA*

Approval No: 3474-99NHUQ **MOE District:**

Approval Date: 2013-08-07 **City:**

Status: Approved **Longitude:**

Record Type: ECA **Latitude:**

Link Source: IDS **Geometry X:**

SWP Area Name: **Geometry Y:**

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: SNC-Lavalin Constructors (Pacific) Inc., Dragados Canada, Inc., and EllisDon Corporation

Address:

Full Address:

Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2982-99JLHL-14.pdf>

PDF Site Location:

Site: *SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc., operating as Transitnext General Partnership Limebank Rd Ottawa ON M5H 3T9* **Database:** *ECA*

Approval No: 0637-C7KK4Z **MOE District:** Ottawa

Approval Date: 2021-11-07 **City:**

Status: Approved **Longitude:**

Record Type: ECA **Latitude:**

Link Source: IDS **Geometry X:** -8422682.0291000009

SWP Area Name: Rideau Valley **Geometry Y:** 5664419.7690000003

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc., operating as Transitnext General Partnership

Address: Limebank Rd

Full Address:

Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8528-C6APT5-14.pdf>

PDF Site Location: Ottawa LRT Trillium Line - Limebank Station
Limebank Road, Main Street, and Connector Road
City of Ottawa, Ontario

Site: *City of Ottawa Earl Armstrong Rd Ottawa ON K1P 1J1* **Database:** *ECA*

Approval No: 2826-7UPNU6 **MOE District:**

Approval Date: 2009-08-10 **City:**

Status: Approved **Longitude:**

Record Type: ECA **Latitude:**

Link Source: IDS **Geometry X:**

SWP Area Name: **Geometry Y:**

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: City of Ottawa

Address: Earl Armstrong Rd

Full Address:

Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5476-7UMQKX-14.pdf>

PDF Site Location:

Site: *City of Ottawa Earl Armstrong Rd (Earl Armstrong Road to River Road) Ottawa ON K1P 1J1* **Database:** *ECA*

Approval No: 5036-7SQR3Z **MOE District:**

Approval Date: 2009-06-08 **City:**

Status: Approved **Longitude:**

Record Type: ECA **Latitude:**

Link Source: IDS **Geometry X:**

SWP Area Name: **Geometry Y:**

Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: City of Ottawa
Address: Earl Armstrong Rd (Earl Armstrong Road to River Road)
Full Address:
Full PDF Link:
PDF Site Location:

Site: **Urbandale Corporation**
Ottawa ON K1G 2H5

Database:
ECA

Approval No: 4781-4ZEKPM
Approval Date: 2001-08-21
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Urbandale Corporation
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1402-4Z2HBD-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Urbandale Corporation**
Ottawa ON K1G 2H5

Database:
ECA

Approval No: 1830-6H3P2S
Approval Date: 2005-10-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Urbandale Corporation
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9122-6F6R74-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Urbandale Corporation**
Ottawa ON K1G 2H5

Database:
ECA

Approval No: 8787-5YQRUU
Approval Date: 2004-05-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Urbandale Corporation
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3747-5YPLC8-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Urbandale Corporation**
Ottawa ON K1G 2H5

Database:
ECA

Approval No: 0666-5YQRZ3
Approval Date: 2004-05-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: Urbandale Corporation
Address:
Full Address:
Full PDF Link:
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
Earl Armstrong Rd River Road to Limebank Road Ottawa ON K1P 1J1

Database:
ECA

Approval No: 9430-7V8P7B
Approval Date: 2009-09-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Earl Armstrong Rd River Road to Limebank Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3848-7SNPR4-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **SNC-Lavalin Constructors (Pacific) Inc.**
Limebank Road Ottawa ON K1X 1G1

Database:
GEN

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: **SNC-Lavalin Constructors (Pacific) Inc.**
Limebank Road Ottawa ON K1X 1G1

Database:
GEN

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:

Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: SNC-Lavalin Constructors (Pacific) Inc.
Limebank Road Ottawa ON K1X 1G1

Database:
[GEN](#)

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: OTHER SPECIFIED INORGANICS

Site: ROBADAIR LTD.
BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F" OTTAWA ON K2C 3H3

Database:
[GEN](#)

Generator No: ON0528100
SIC Code: 0007
SIC Description: LETTER ACKNOWLEDG.
Approval Years: 86,87,88
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Site: Lots 23 & 24, Con 1, Gloucester ON

Database:
[RSC](#)

RSC ID:
RA No:
RSC Type:
Curr Property Use:
Ministry District:
Filing Date: 01/26/00
Date Ack:
Date Returned: 03/10/00
Restoration Type:
Soil Type:
Criteria:
CPU Issued Sect
1686:
Asmt Roll No:
Prop ID No (PIN):
Property Municipal Address:

Cert Date:
Cert Prop Use No:
Intended Prop Use:
Qual Person Name:
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N):
Accuracy Estimate:
Telephone:
Fax:
Email:

Mailing Address:
Latitude & Latitude:
UTM Coordinates:
Consultant:
Legal Desc:
Measurement Method:
Applicable Standards:
RSC PDF:

Site:
Part Lot 23 Ottawa ON

Database:
[RSC](#)

RSC ID:		Cert Date:	
RA No:		Cert Prop Use No:	
RSC Type:		Intended Prop Use:	
Curr Property Use:		Qual Person Name:	
Ministry District:	Ottawa	Stratified (Y/N):	N
Filing Date:	07/05/01	Audit (Y/N):	
Date Ack:	08/14/01	Entire Leg Prop. (Y/N):	
Date Returned:		Accuracy Estimate:	
Restoration Type:	Generic	Telephone:	
Soil Type:	Medium/Fine	Fax:	
Criteria:	Res/parkland + Nonpotable	Email:	
CPU Issued Sect			
1686:			
Asmt Roll No:			
Prop ID No (PIN):			
Property Municipal Address:			
Mailing Address:			
Latitude & Latitude:			
UTM Coordinates:			
Consultant:	DST Consulting Engineers Inc.		
Legal Desc:			
Measurement Method:			
Applicable Standards:			
RSC PDF:			

Site:
Part Lot 23, Township of Gloucester Ottawa ON

Database:
[RSC](#)

RSC ID:		Cert Date:	
RA No:		Cert Prop Use No:	
RSC Type:		Intended Prop Use:	
Curr Property Use:		Qual Person Name:	
Ministry District:	Ottawa	Stratified (Y/N):	
Filing Date:	07/05/01	Audit (Y/N):	
Date Ack:		Entire Leg Prop. (Y/N):	
Date Returned:	07/23/01	Accuracy Estimate:	
Restoration Type:		Telephone:	
Soil Type:		Fax:	
Criteria:		Email:	
CPU Issued Sect			
1686:			
Asmt Roll No:			
Prop ID No (PIN):			
Property Municipal Address:			
Mailing Address:			
Latitude & Latitude:			
UTM Coordinates:			
Consultant:	DST Consulting Engineers Inc.		
Legal Desc:			
Measurement Method:			
Applicable Standards:			
RSC PDF:			

Site:
con 1 ON

Database:
[WWIS](#)

Well ID: 1529330
Construction Date:
Use 1st: Commerical
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 169507
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/14/1997
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050866
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/06/1996
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931072413
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114303
Layer: 2
Plug From: 2.0
Plug To: 17.0
Plug Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933114302
Layer: 1
Plug From: 0.0
Plug To: 2.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961529330
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe Information

Pipe ID: 10599436
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088795
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 17.0
Casing Diameter: 36.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 933326678
Layer: 1
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 36.0

Water Details

Water ID: 933489269
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 6.0
Water Found Depth UOM: ft

Site: lot 22 ON

Database:
WWIS

Well ID: 7416411
Construction Date:

Flowing (Y/N):
Flow Rate:

Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z363834
Tag: A298367
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Data Entry Status: Yes
Data Src:
Date Received: 04/06/2022
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7659
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009017424
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/26/2021
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 447310.00
North83: 5024502.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: www

Site:
 lot 22 ON

Database:
 WWIS

Well ID: 7416410
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z363831
Tag: A298367
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 04/06/2022
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7659
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009017421
DP2BR:

Elevation:
Elevrc:

Spatial Status:		Zone:	18
Code OB:		East83:	447178.00
Code OB Desc:		North83:	5024579.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/26/2021	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Site: lot 23 con 1 ON **Database:** WWIS

Well ID:	7418461	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes
Use 2nd:		Data Src:	
Final Well Status:		Date Received:	05/19/2022
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:	Z375696	Contractor:	4875
Tag:		Form Version:	7
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	023
Depth to Bedrock:		Concession:	01
Well Depth:		Concession Name:	OF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	1009045262	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	450540.00
Code OB Desc:		North83:	5033133.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	05/05/2022	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Site: con 1 ON **Database:** WWIS

Well ID:	1501587	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:	0	Data Src:	1
Final Well Status:	Water Supply	Date Received:	01/06/1947
Water Type:		Selected Flag:	TRUE

Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Abandonment Rec:
Contractor: 3566
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10023630	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	11/15/1946	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 930992252
Layer: 2
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 930992251
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 90.0

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961501587
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10572200
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930040106
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 92.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040107
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 167.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991501587
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 30.0
Recommended Pump Depth:
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933454305

Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth:
Water Found Depth UOM: ft

Site:
con 1 ON

Database:
[WWIS](#)

Well ID:	1519865	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:		Data Src:	1
Final Well Status:	Water Supply	Date Received:	09/16/1985
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	1558
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliabilty:		Lot:	
Depth to Bedrock:		Concession:	01
Well Depth:		Concession Name:	RF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10041718	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	08/01/1985	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID: 931042996
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931042998
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931042997
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 5.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961519865
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10590288
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930072831
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 75.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930072830
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 62.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991519865
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 50.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934655014
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384474
Test Type: Draw Down
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895214
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109742
Test Type: Draw Down
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933476954
Layer: 1

Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Site:
lot 23 ON

Database:
[WWIS](#)

Well ID: 1520631
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/12/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042473
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/05/1986
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931045365
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931045366
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 19.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Overburden and Bedrock**Materials Interval**

Formation ID: 931045364
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520631
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591043
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074136
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074135
Layer: 1
Material: 1

Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991520631
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 30.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934387380
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112517
Test Type:
Test Duration: 15
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648403
Test Type:
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907164
Test Type:
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933477930
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

Water Details

Water ID: 933477931
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 58.0
Water Found Depth UOM: ft

Site: lot 22 ON

Database:
[WWIS](#)

Well ID: 1521468
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04608
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/06/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043290
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/30/1987
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931048158
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 73

Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 56.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048157
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 56.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048156
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 35.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048155
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931048154
Layer: 1
Color: 6
General Color: BROWN

Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521468
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591860
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075597
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075598
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521468
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934651778
Test Type: Draw Down
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908869
Test Type: Draw Down
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106534
Test Type: Draw Down
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390634
Test Type: Draw Down
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933479044
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 122.0
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
[WWIS](#)

Well ID: 1522704
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 44190
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/31/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10044514	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	09/23/1988	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931052340
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	58.0
Formation End Depth:	59.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931052337
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931052338
Layer:	2
Color:	2
General Color:	GREY

Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 40.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931052339
Layer: 3
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 40.0
Formation End Depth: 58.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933110013
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961522704
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10593084
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077847
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 58.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991522704
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934905070
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111033
Test Type:
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386877
Test Type:
Test Duration: 30
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656253
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933480697
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 58.0
Water Found Depth UOM: ft

Site: lot 20 ON

Database:
WWIS

Well ID: 1524118

Flowing (Y/N):

Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Recharge Well
Water Type:
Casing Material:
Audit No: 56437
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/26/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045890
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/04/1989
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931056920
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 26.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931056919
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 26.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524118
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594460
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080334
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 29.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991524118
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934652478
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107699
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910098
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391928
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933482660
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 56.0
Water Found Depth UOM: ft

Site:

lot 20 ON

Database:
WWIS

Well ID: 1524120
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56440
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/26/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045892
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/04/1989
Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM

Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931056923
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931056924
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961524120
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594462
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930080338
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:

Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930080337
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991524120
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934107701
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391930
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934652480
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910100

Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933482662
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
[WWIS](#)

Well ID: 1525335
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 79910
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/28/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2348
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047073
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 12/06/1990
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931060812
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 14.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931060811
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931060814
Layer: 4
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 55.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931060813
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961525335
Method Construction Code: 4
Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10595643
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082418
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525335
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 43.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934648114
Test Type:
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387571
Test Type:
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111746
Test Type:
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905293
Test Type:
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933484296
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

Site:

con 1 ON

Database:
WWIS

Well ID: 1525673
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 68558
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/21/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 01
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047408
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/27/1991
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931061985

Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931061986
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 45.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931061984
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961525673
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595978
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082983

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 49.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082984
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 103.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525673
Pump Set At:
Static Level: 35.0
Final Level After Pumping: 55.0
Recommended Pump Depth: 55.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934906425
Test Type:
Test Duration: 60
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388707
Test Type:
Test Duration: 30
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105048
Test Type:
Test Duration: 15
Test Level: 55.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649245
Test Type:
Test Duration: 45
Test Level: 55.0
Test Level UOM: ft

Water Details

Water ID: 933484725
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 98.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484724
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Site:

lot 22 ON

Database:
[WWIS](#)

Well ID: 1527659
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 116662
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/25/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 022
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049286
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/27/1993
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

**Overburden and Bedrock
Materials Interval**

Formation ID: 931067347
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 26
Mat2 Desc: ROCK
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 24.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931067346
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933112609
Layer: 1
Plug From: 0.0
Plug To: 23.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961527659
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10597856
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930086095
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 27.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991527659
Pump Set At:
Static Level: 22.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 50.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934655860
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386113
Test Type: Draw Down
Test Duration: 30
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904231
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111297
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933487180
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Site:
lot 20 ON

Database:
WWIS

Well ID: 1534331
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 257423
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality:
Site Info: GLOUCESTER TOWNSHIP

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/05/2003
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1414
Form Version: 2
Owner:
County: OTTAWA-CARLETON
Lot: 020
Concession:
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11097381
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/25/2003
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961534331
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11101096
Casing No: 1
Comment:
Alt Name:

Site:

lot 21 con 1 ON

Database:

WWIS

Well ID: 1531407
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 220943
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/18/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 021
Concession: 01
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052941
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/27/2000
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock**Materials Interval**

Formation ID: 931078402
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock**Materials Interval**

Formation ID: 931078403
Layer: 3
Color: 2

General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 58.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931078404
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 73
Mat2 Desc: HARD
Mat3:
Mat3 Desc:
Formation Top Depth: 58.0
Formation End Depth: 150.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931078401
Layer: 1
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933116576
Layer: 1
Plug From: 40.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961531407
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10601511

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092629
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092628
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531407
Pump Set At:
Static Level: 32.0
Final Level After Pumping: 75.0
Recommended Pump Depth: 125.0
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934113555
Test Type: Draw Down
Test Duration: 15
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396059
Test Type: Draw Down
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914441
Test Type: Draw Down
Test Duration: 60
Test Level: 145.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934657550
Test Type: Draw Down
Test Duration: 45
Test Level: 125.0
Test Level UOM: ft

Water Details

Water ID: 933491849
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 142.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491848
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 69.0
Water Found Depth UOM: ft

Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

The Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Oct 2022

Abandoned Mine Information System:

Provincial

[AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Oct 31, 2023

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:

Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:

Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Oct 31, 2023

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 -Nov 2023

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2023

Certificates of Property Use:

Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Dec 31, 2023

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks:

Provincial

[DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval). Please see our ECA database.

Government Publication Date: Oct 2011- Nov 30, 2023

Environmental Registry:

Provincial

[EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Dec 31, 2023

Environmental Compliance Approval:

Provincial

[ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Nov 30, 2023

Environmental Effects Monitoring:

Federal

[EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Dec 31, 2023

Environmental Issues Inventory System:

Federal

[EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report:

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2022

List of Expired Fuels Safety Facilities:

Provincial

EXP

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

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

Government Publication Date: Oct 2023

Federal Convictions:

Federal

FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Oct 2023

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank:

Provincial

FST

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

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2020

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2023

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2021

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Oct 2022

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

[NPCB](#)

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory 1993-2020:**

Federal

[NPR2](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020**National Pollutant Release Inventory - Historic:**

Federal

[NPRI](#)

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

[OGWE](#)

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

Government Publication Date: 1988-Nov 30, 2023**Ontario Oil and Gas Wells:**

Provincial

[OOGW](#)

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2023**Inventory of PCB Storage Sites:**

Provincial

[OPCB](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**Orders:**

Provincial

[ORD](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Dec 31, 2023

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: Oct 2011- Nov 30, 2023

NPRI Reporters - PFAS Substances:

Federal

[PFCH](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

[PFHA](#)

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per- and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial

[PRT](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

[PTTW](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 2023

Ontario Regulation 347 Waste Receivers Summary:

Provincial

[REC](#)

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial

[RSC](#)

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2023

Retail Fuel Storage Tanks:

Private

[RST](#)

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory:

Private

[SCT](#)

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

[SPL](#)

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in February, March, May, June-November 2022, and January 2023 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Dec 2021; see description

Wastewater Discharger Registration Database:

Provincial

[SRDS](#)

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks:

Private

[TANK](#)

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

[TCFT](#)

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Nov 30, 2023

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

GRANT PATERSON

ENVIRONMENTAL INSPECTOR

GRANT JOINED PATERSON GROUP IN JULY 2020 AS PART OF THE ENVIRONMENTAL DIVISION. GRANT RECEIVED HIS ADVANCED DIPLOMA IN CIVIL ENGINEERING TECHNOLOGY FROM ALGONQUIN COLLEGE IN APRIL OF 2019. IN HIS TIME WITH PATERSON, GRANT HAS BEEN INVOLVED PRIMARILY IN RESIDENTIAL AND COMMERCIAL DEVELOPMENT PROJECTS, PREDOMINANTLY WITHIN THE NATIONAL CAPITAL REGION AS WELL AS VARIOUS LOCATIONS WITHIN EASTERN ONTARIO. HIS SCOPE OF WORK CONSISTS OF CONDUCTING PHASE I ENVIRONMENTAL SITE ASSESSMENTS (ESAS) TO CSA STANDARDS, SOIL TESTING AND SUPERVISION OF EXCESS SOILS PROGRAMS, CONDUCTED VARIOUS ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE FIELD INVESTIGATIONS, CONTAMINATED SOIL AND GROUNDWATER FIELD SAMPLING, SUPERVISING THE REMEDIATION OF CONTAMINATED SITES, AND ENSURING COMPLIANCE TO APPLICABLE REGULATORY STANDARDS, MEMORANDUM AND LETTER REPORTING

YEARS OF EXPERIENCE

- WITH PATERSON: 5+

EDUCATION

- ADVANCED DIPLOMA IN CIVIL ENGINEERING TECHNOLOGY, 2019
ALGONQUIN COLLEGE, OTTAWA, ON

OFFICE LOCATION

9 AURIGA DRIVE, OTTAWA, ONTARIO, K2E 7T9

SELECT LIST OF PROJECTS

- CAIVAN COMMUNITIES: THE RIDGE, OTTAWA, ON
ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE INVESTIGATIONS, SOIL AND GROUNDWATER SAMPLING, REMEDIATION SUPERVISION
- TAGGART RESIDENTIAL DEVELOPMENT: 700 GARDINERS ROAD, KINGSTON, ON – ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE INVESTIGATIONS, SOIL AND GROUNDWATER SAMPLING
- CLARIDGE HOMES: 1040 SOMERSET, OTTAWA, ON
ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE INVESTIGATIONS, SOIL AND GROUNDWATER SAMPLING, GROUNDWATER MONITORING
- PCL CONSTRUCTORS: EASP PROJECT, VARIOUS SITES IN OTTAWA, ON, AND GATINEAU QC – GEOTECHNICAL AND ENVIRONMENTAL SUBSURFACE INVESTIGATIONS, AND EXCESS SOILS TESTING
- PCL CONSTRUCTORS: OTTAWA HOSPITAL, OTTAWA, ON
ENVIRONMENTAL SUBSURFACE INVESTIGATIONS AND EXCESS SOILS TESTING
- IBI GROUP: TUNNEY'S PASTURE, OTTAWA, ON,
ENVIRONMENTAL AND GEOTECHNICAL SUBSURFACE INVESTIGATION, SOIL AND GROUNDWATER SAMPLING
- CSA PHASE I ENVIRONMENTAL SITE ASSESSMENTS (ESAS) – VARIOUS SITES, EASTERN ONTARIO

PROFESSIONAL EXPERIENCE

2020 TO PRESENT, ENVIRONMENTAL INSPECTOR, PATERSON GROUP, OTTAWA, ONTARIO

CONDUCTING PHASE I AND II ENVIRONMENTAL SITE ASSESSMENTS IN ACCORDANCE WITH CSA STANDARDS AND O.REG. 153/04.

RESPONSIBLE FOR THE APPLICATION OF ENVIRONMENTAL, HYDROGEOLOGICAL, AND/OR GEOTECHNICAL PRINCIPLES AND PRACTICES IN THE IDENTIFICATION AND DELINEATION OF SOIL AND GROUNDWATER CONTAMINATION PLUMES WHILE ENSURING COMPLIANCE WITH FEDERAL, PROVINCIAL, AND/OR MUNICIPAL LEGAL AND REGULATORY REQUIREMENTS.

PRESENTING ANALYTICAL TEST RESULTS, INTERPRETATIONS, ASSESSMENTS, RECOMMENDATIONS AND/OR CONCLUSIONS IN A FINAL TECHNICAL REPORT.

FIELD EXPERIENCE IN THE SUPERVISION OF DRILLING AND EXCAVATION CONTRACTORS, INSPECTION OF ABOVEGROUND AND UNDERGROUND FUEL STORAGE TANKS, SOIL AND ROCK CLASSIFICATION, SOIL AND GROUNDWATER FIELD SAMPLING, AS WELL AS THE COLLECTION OF HAZARDOUS BUILDING MATERIALS AND DESIGNATED SUBSTANCES.

COORDINATION AND ON-SITE SUPERVISION OF SOIL AND GROUNDWATER REMEDIATION ACTIVITIES FOR CONTAMINATED SITES.

LIAISING WITH CLIENTS, AND CONTRACTORS.

COORDINATION OF CONTRACTORS WHILE DIRECTLY REPORTING TO INTERMEDIATE AND SENIOR MANAGEMENT TO ENSURE COMPLETION OF PROJECT ON SCHEDULE AND WITHIN BUDGET;

MANAGE EXCAVATION CONTRACTORS TO ENSURE SOIL QUALITY CONTROL; DAILY REPORTING TO PROJECT MANAGER;

PRESENT ANALYTICAL TEST RESULTS, INTERPRETATIONS, ASSESSMENTS, RECOMMENDATION AND/OR CONCLUSIONS IN A FINAL

TECHNICAL REPORT AS WELL AS VERBAL AND WRITTEN COMMUNICATION WITH CLIENTS.



PATERSON GROUP

solution oriented engineering



Mark S. D'Arcy, P.Eng., QPESA **Director – Environmental Division**

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2001 and has been an integral part in growing the Environmental Division. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment, Conservation and Parks (MECP) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

EDUCATION

B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

LICENCE/PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

Ontario Environment Industry Association

YEARS OF EXPERIENCE

With Paterson: 35

HEAD OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 3342 Navan Road, Ottawa, Ontario; (Senior Project Manager: Phase I ESA, Phase II ESA, Landfill Impact Assessment)
- 900 Carling Avenue – New Ottawa Hospital, Ottawa, Ontario; (Senior Project Manager: Phase I ESA, Phase II ESA, Remediation)
- 3-33 Selkirk Street, Ottawa, Ontario; (Senior Project Manager: Phase I ESA, Phase II ESA, Remediation, Oversee CSM and CPU for Risk Assessment)
- Riverview Development – Kingston, Ontario, (Senior Project Manager: Phase I ESA, Phase II ESA, Oversee RA and RSC process)
- Wellington Street West at Huron Avenue, Ottawa, Ontario; (Senior Project Manager: Soil Vapour Intrusion Assessment, Implementation of Vapour Intrusion Mitigation Measures)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I & II ESA, Remediation)

PROFESSIONAL EXPERIENCE

2001 to present, Manager of Environmental Division, Paterson Group Inc., Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, Geotechnical and Environmental Engineer, Paterson Group Inc., Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.