Phase One Environmental Site Assessment
1770 Heatherington Road, Ottawa, Ontario

City of Ottawa

Type of Document:
Draft

Project Name:
Phase One Environmental Site Assessment
1770 Heatherington Road, Ottawa, Ontario

Project Number:
OTT-00018293-J8

Prepared By:
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Date Submitted:
April

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April

Table of Contents

List of Figures

List of Tables

List of Appendices

Executive Summary

EXP Services Inc. (EXP) was retained by the City of Ottawa to complete a Phase One Environmental Site Assessment (ESA) of 1770 Heatherington Road in Ottawa, Ontario (hereinafter referred to as the 'site' or 'Phase One Property'). The purpose of this Phase One ESA was to determine if past or present site activities have resulted in actual or potential contamination at the site.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04 (as amended), and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

The objective of the Phase One ESA was to support the filing of a Record of Site Condition (RSC) on the Ontario Ministry of the Environment, Conservation and Parks (MECP) Brownfields Environmental Site Registry. The need to file an RSC is to support a change in land use from industrial to residential.

The Proponent of the Phase One Property is planning to re-develop the Site for mixed residential and parkland land use. Therefore, for the purpose of this Phase One ESA, the proposed future use of the property will be considered a mix of residential and parkland.

The Phase One Property is located on the west side of Heatherington Road, at 1770 Heatherington Road, Ottawa in an area of mixed residential and commercial land use (Figure 1 and 2). The Phase One property is an irregular shaped parcel of land with an area of approximately 2.7 hectares (6.7 acres) and has a generally flat topography with a gentle north to south grade. The Site was most recently used as a works yard by the City of Ottawa (City) and has been used for such purposes since around the mid 1960s. There are and were no built structures on the Phase One Property. A north-south trending soil berm, designed as a noise and visual barrier, was previously present on the east site of the Phase One Property, but has since been relocated elsewhere on the larger City of Ottawa lands.

Former structures that existed on the former works yard included a 3-bay maintenance garage, salt storage dome, storage shed, office trailers, quonset hut, and an aboveground (liquid) calcium chloride storage tank as shown in Figure 3B. All these structures were located on the northern half of the property which includes paved access and parking areas. The former works yard was in operation between the mid-1960s and 2012.

The Phase One Property is currently bounded by commercial retail businesses to the north, Heatherington Road and residential landuse to the east, followed by the Ministry of Transportation facility and residential landuse to the west and residential landuse to the south. The Phase One Property also encircles a Boys and Girls Clubhouse to the east

The approximate Universal Transverse Mercator (UTM) coordinates for the subject site centroid is NAD83, Zone 18, 449470 m E, 5024942 m N. The UTM coordinates were based on an estimate derived using Google Earth™. The accuracy of the centroid is estimated to range from 5 to 50 m.

The following potentially contaminating activities (PCA) were identified on-site and within the Phase One Study Area, as per Schedule D of O. Reg 153/04, and are thought to contribute to an area of potential environmental concern (APEC) (Figure 7):

Table EX-1: Potentially Contaminating Activities

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 1: Former On-Site Garage (Location of Remedial Pit No. 1)	1770 Heatherington Road	On-site (northeast corner)	#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	The site had operated as a public works yard and garage since approximately the 1960s. A three -door garage was used for the light maintenance and storage of City of Ottawa public works vehicles and equipment. Based on a reviewed Phase I ESA (JWEL, 2008a), completed during the operation of the Site garage, various light chemicals (cleaners, motor oils, antifreeze, ect.) were stored in sealed containers within the garage. A catch basin was connected to a former dry-well east adjacent to the former garage. Based on reviewed City of Ottawa building plans from 1960 a fuel oil powdered heating system was present in the north portion of the garage. The heating system was powered by a 500-gallon fuel oil storage tank (identified as PCA 2 and described below). Soil and groundwater within the footprint of the former garage was remediated in 2012 - 2014. The impacts included petroleum hydrocarbons, metals and volatile organic compounds.	Yes - PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 2: Former On-Site UST (Location of Remedial Pit No. 1)	1770 Heatherington Road	On-site (northeast corner)	#28: Gasoline and Associated Products Storage in Fixed Tanks	At the time of the 2012 remedial investigation, the former UST had already been removed from the Site. The date of removal is unknown, however based on a review of City of Ottawa Site plans from 1960 the UST was identified to a 500-gallon buried, steel wall fuel oil tank. The tank was identified to service the heating system in the former garage structure (PCA 1, outlined above). The UST was constructed of steel and was situated on top of a subgrade concrete foundation. The UST was located north adjacent to the former garage structure.	Yes – PCA is located on-site

PCA 3: Surficial granular fill material of unknown quality present across the Site Former excavation (Pit 2) – located in central portion of the Site Former excavation (Pit 3) – located in southeast portion of the Site Former excavation (Pit 4) – located in southwest portion of the Site	1770 Heatherington Road	On-site (across the entire Site)	#30: Importation of Fill Material of Unknown Quality	Based on review of aerial photographs and prior ESA reports, fill materials are present across the entirety of the Site. The Site has used soil from public works operations to re-grade the property and for stockpiling at the former public works yard. Fill of unknown quality and street sweepings were stored on-Site, street sweepings were reportedly disposed of at off-Site landfill facilities each year while soil stockpiles were stored and reused for ongoing public work projects (JWEL, 2008a). Based on review of historical aerial photographs between 1958 and present day, fill piles and soil berms change locations during operation of the Site. Evidence of fill materials being re-worked and stored across the majority of the Site is evident from review of the historical aerial photographs. In addition, it is assumed that fill materials of unknown quality were also used to regrade the property to accommodate new structures built during the course of Site operations. As such, given that fill materials have been located across the majority of the Site during operations and that it is suspected that the majority of the Site has been graded with fill materials of unknown quality, PCA 3 has been identified to be associated with the entire Site. Several remedial excavations were completed to address exceedances suspected to be associated with the fill materials present at the Site: Impacts at Pit 2 included PAH and PHC Impacts at Pit 3 included V and Co Impacts at Pit 3 included PAH	Yes – PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 4: Historical salt related exceedances, Former salt dome, salt use and salt storage	1770 Heatherington Road	On-site (across the entire Site)	#48: Salt Manufacturing, Processing and Bulk Storage	The site had operated as a works yard since the 1960s, including the use and storage of de-icing salts. During the operation of the Site as a municipal public works yard for the City of Ottawa, de-icing related infrastructure was formerly present at the Site and de-icing salts were applied to the Site across paved regions during winter months. A former Quonset hut, salt storage dome and calcium chloride AST were all located within the northwestern portion of the Site. Salts were stored on-Site, within these structures, and were loaded into vehicles for application on municipal streets during winter months. In addition, based on review of historical ESA reports (JWEL, 2008b) salt-related impacts have been identified across the majority of the Site in surficial soils and overburden groundwater. As such, the entire Site was identified to be related to PCA 4.	Yes – PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 5: Former Dry Cleaner	1574 Walkley Road	Off-Site (north adjacent property)	#37: Operation of Dry Cleaning Equipment (where chemicals are used)	Betty's Brite Cleaners (formerly located at 1574 Walkley Road) operated between approximately 1980 and 1990 based on the reviewed City Directories and ERIS report, provided with the Phase One ESA (EXP, 2016a). Based on the proximity to the Site, duration of operations and suspected presence of halogenated solvents, the property at 1574 Walkley Road was identified as a PCA. No information on the location of former infrastructure or other operations occurring at the property were identified. The approximate location PCA is identified to be the entire building at 1574 Walkley Road.	Yes, however this APEC was previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated VOCs in all groundwater samples collected along the northern property line were less than the applicable SCS.

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 6: Former Retail Fuel Outlet and UST	1594 Walkley Road	Off-Site (north adjacent property)	#28: Gasoline and Associated Products Storage in Fixed Tanks	A former retail fuel outlet was present along the northern property boundary at 1594 Walkley Road as identified in the ERIS report, the City Directories and prior environmental investigations completed at the Site (JWEL, 2008a). This PCA occurred at 1594 Walkley Road between the 1960s - 1990s. Locations of storage tanks or other associated infrastructure related to the retail fuel outlet are unknown. However, the approximate location of the former retail fuel outlet is provided on Figure 4.	Yes, however previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.
PCA 7: Former remediation contractor	1606 Walkley Road	off-Site (north adjacent property)	#28: Gasoline and Associated Products Storage in Fixed Tanks	Triangle Pump was formerly located at 1606 Walkley Road, north adjacent to the Site. Triangle Pump is an environmental contractor with services that include solid and liquid waste removal, tank removals, and Site remediations. It is unknown if any former infrastructure or operations occurred on the property at 1606 Walkley Road. This PCA occurred between the 1960s - 1980s. Based on review of the JWEL (2008a) Phase One ESA an approximate location of the former building is shown on Figure 4.	Yes, however, previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 8: Former Automotive Sales and Services	1620 Walkley Road	off-Site (north adjacent property)	#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	A Nissan dealership was formerly located at the intersection of Walkley Road and Heatherington Road at 1620 Walkley Road. This PCA occurred between the 1960s - 1980s. No information on the location of historical infrastructure, storage tanks or other operations were identified.	Yes, however, previously assessed by JWEL in 2008b and by EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.
PCA 9: Reported Spill (Motor Oil)	1620 Walkley Road	off-Site (north adjacent property)	#Other: Spill	Based on the reviewed ERIS report a historical spill of 150 L of motor oil was identified at the property located at 1620 Walkley Road. This PCA occurred in 1988. Given the proximity of the PCA to the Sites northern boundary, the spill of motor oil was identified as a PCA.	Yes, however, previously assessed by JWEL in 2008b and by EXP in 2016b. The results of the prior inveisgations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the appliable SCS.

Ontario Regulation 153/04 defines an APEC as an area on a property where one or more contaminants are potentially present. The following APEC were identified on the Phase One property.

Table EX-2: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Location of APEC on Site	PCA Identifier & (Potentially Contaminating Activity)	Location of PCA (on-site or off-site)	Contaminants of Potential Concern (CPOC)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1: Former garage in the northeast corner of the Phase One Property. All impacted soils and overburden groundwater were removed during various remediation programs (Pit 1).	Northeast Corner	PCA 1 (PCA #27: Garages and Maintenance and Repairs of railcars, Marine Vehicles, and Aviation Vehicles)	On-site	PHCs, VOCs, PAHs, metals	Soil and groundwater
APEC 2: Former UST. All impacted soils and overburden groundwater were removed during various remediation programs (Pit 1).	Northeast Corner	PCA 2 (PCA #28: Gasoline and Associated Products Storage in Fixed Tanks)	On-site	PHCs, VOCs, PAHs, metals	Soil and groundwater
APEC 3: Placement of surficial granular fill of unknown quality across the entire Site.	Across the Site	PCA 3 (PCA #30: Importation of Fill Material of Unknown Quality)	On-site	Metals, PAH, PHC	Soil
APEC 4: Salt Dome and Use on-site. Previous Phase Two ESAs by both **EXP** and others identified salt impacts in the shallow soil across much of the site.	Across the Site	PCA 4 (PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site	Soil (SAR and Electrical Conductivity), Groundwater (Na, Cl-)	Soil and groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Site	PCA Identifier & (Potentially Contaminating Activity)	Location of PCA (on-site or off-site)	Contaminants of Potential Concern (CPOC)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 5: Former off-site dry cleaner.	Northwest corner of site	PCA 5 (#37: Operation of Dry Cleaning Equipment where chemicals are used)	Off-Site	VOC	Groundwater
APEC 6: Former off-site retail fuel outlet and UST.	North central portion of site	PCA 6 (#28: Gasoline and Associated Products Storage in Fixed Tanks)	Off-Site	BTEX, PHC	Groundwater
APEC 7: Former fuel dispenser and remediation contractor.	North central portion of site	PCA 7 (#28: Gasoline and Associated Products Storage in Fixed Tanks)	Off-Site	BTEX, PHC	Groundwater
APEC 8: Former automotive sales and services	Northeast portion of site	PCA 8 (#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles)	Off-Site	PHC, PAH, metals, VOCs	Groundwater
APEC 9: Former reported motor oil spill	Northeast portion of site	PCA 9 (#Other: Spill)	Off-site	PHC, PAH	Groundwater

Based on the findings of the Phase One ESA, a Phase Two ESA is required to assess the APECs identified; and, to obtain soil and groundwater data to further characterize the site prior to submitting a RSC.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

1. Introduction

EXP Services Inc. (EXP) was retained by the City of Ottawa to complete a Phase One Environmental Site Assessment (ESA) of the property located at 1770 Heatherington Road in Ottawa, Ontario (hereinafter referred to as the 'site' or 'Phase One Property'). At the time of the investigation, the site was owned by:

Owner Contact: City of Ottawa
110 Laurier Avenue West, 5th Floor
Ottawa, Ontario K1P 1J1

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard defined by Ontario Regulation 153/04, as amended (O.Reg.153/04); and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third-party reliance are outlined in Section 9 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the Site. However, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

The objective of the Phase One ESA is to support the filing of a Record of Site Condition (RSC) on the Ontario Ministry of the Environment, Conservation and Parks (MECP) Brownfields Environmental Site Registry. The need to file an RSC is in support of the intended change in land use from industrial to residential.

1.1 Phase One Property Information

The site is located on the west side of Heatherington Road, at 1770 Heatherington Road, Ottawa in an area of mixed residential and commercial land use (Figure 1 and 2). Refer to Table 1 for the Site identification information.

The site consists of a 2.7-hectare - former City of Ottawa Works Yard that is currently vacant as shown in Figure 3A. The site was reportedly in operation between the mid-1960s and 2012. Former structures that previously existed on the site included a 3-bay maintenance garage, salt storage dome, storage shed, four office trailers, quonset hut, and an aboveground (liquid) calcium chloride storage tank as shown in Figure 3B. All these structures were located on the northern half of the property which includes paved access and parking areas. The southern half of the site is gravel covered. All structures were removed from the site prior to remedial activities that commenced in 2012 and concluded in 2015. The site is currently vacant and is not being used for any purpose.

The site is generally flat, with a slight grade from north to south. Surface water drainage flows to catch basins and storm sewers located in the paved portion of the site or dissipates via surface infiltration.

Regional groundwater flow is inferred to be toward Sawmill Creek located approximately 600 m south or McEwen Creek located approximately 1.1 km south of the of the subject property. Although there are surface drainage ditches south, southeast and southwest of the site that drain into Sawmill and/or McEwen Creek, it is unlikely that groundwater is discharging to the drainage ditches since the depth to groundwater ranges between 1.5 and 2.82 m below grade surface (m bgs), in overburden monitoring wells at the Site. Bedrock groundwater levels were measured between 1.59 and 11.79 m bgs in bedrock monitoring wells at the Site.

A visual inspection of the adjacent properties and properties within 250 m of the Site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the site. Refer to Figure 2 for the adjacent land uses and previous surrounding land use (Figure 4).

- North: Various light commercial
- South: Residential
- East: Residential and Boys and Girls Club of Ottawa (i.e., community)
- West: Service Ontario (i.e., institutional), Residential

Based on the current visual inspection, no present-day sources of potential environmental concern that could impact the subject site were identified on the adjacent and surrounding properties (Figure 2). It is additionally noted that the off-Site operations noted to constitute Potentially Contaminating Activity (PCA) IDs 5 through 9, are based on historical activities that occurred between the 1960s and the 1990s along the north adjacent property boundary. Several prior environmental investigations have been conducted at the Site to address the off-Site PCAs and no soil or groundwater impacts have been identified in relation to the off-Site PCAs constituting on-Site Areas of Potential Environmental Concern (APECs). A figure depicting the location of test pits, monitoring wells and borehole locations utilized as part of the prior environmental investigations is provided as Figure 5.

Table 1: Site Identification Information

Civic Address	1770 Heatherington Road, Ottawa, Ontario
Current Land Use	Industrial
Proposed Land Use	Residential and Parkland
Legal Description	Part of Lot A, Concession 4 (Rideau Front); Ottawa / Gloucester
Property Identification Number (PIN)	04741-0011
Universal Transverse Mercator (UTM) coordinates	NAD83, Zone 18, 449470 m E, 5024942 m N
Site Area	2.7 Hectare

Property Owner	City of Ottawa
Owner Contact	Ms. Vahid Arasteh, M.Eng., P.Eng., PMP
Owner Address	10 Laurier Avenue West, Ottawa, Ontario

2. Scope of Investigation

The scope of work the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the site and surrounding properties within a 250 metre radius of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the site;
- Obtaining a search of land title and assessment rolls for the site;
- Conducting at least one site reconnaissance of the site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide EXP staff with unrestricted access to all areas of the site and site buildings;
- Reviewing the current use of the site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the site; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses or monitoring of materials. In addition, general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of our investigation.

EXP personnel who conducted assessment work for this project included Chris Kimmerly, P.Geo. QPESA and Phillip Oliveira (Appendix A).

3. Records Review

3.1 Phase One ESA Study Area Determination

The Phase One ESA study area consisted of the neighbourhood extending a distance of 250 metres from the site. At the time of the site reconnaissance, land usage within 250 metres of the site included residential, commercial institutional and parkland. A surrounding land use plan is provided in Figure 2 in Appendix B. The surrounding land use plan includes current and historical land uses of interest in this investigation.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, historical maps, and other records review, the site was first developed in the mid-1960s as works yard and garage. Prior to this, the site was utilized for agricultural purposes.

3.3 Fire Insurance Plans

A search of The *Catalogue of Canadian Fire Insurance Plans 1875 – 1975* (Catalogue) was conducted to determine if fire insurance plans (FIPs) for the site and surrounding areas existed. No FIPs were available for the study area.

3.4 Chain of Title

A chain of title was obtained from Read Abstracts Limited for the subject site. The complete chain of title is provided in Appendix C. The last registered owner of the site is the City of Ottawa. The following are notable entries:

- The site was transferred from Crown land in 1838;
- Numerous individuals have owned the site between 1838 and 1959; and,
- The site was transferred to the City of Ottawa in 1959.

The City of Ottawa has owned the site since 1959. There is a good understanding of the site activities since this time and is discussed below.

3.5 Previous Environmental Reports

There have been numerous reports conducted at the site since 2008. Several Phase I and II ESAs were completed prior to a remediation program that carried out in various stages between 2012 and 2014. Additional post-remediation assessments have also been completed and are discussed below. Any potentially contaminating activities (PCAs) are also identified.

3.5.1 Pre-Remediation Reports

Various Phase I and II ESAs and remediation programs have been conducted at the site. Prior to the EXP remediation program which commenced in 2012, the following reports were completed at the site:

1. ***Phase I Environmental Site Assessment, 1770 Heatherington Road*** **(Jacques Whitford, February 3, 2005)**

The PCAs identified in this report included:

- An on-site maintenance garage has operated since the late 1960s;
- The site contained two large berms and several small piles of street clearing grit and debris;
- Off-site concerns to the north included the former presence of an environmental contractor and a former gas station.

Based on the above, a Phase II ESA was recommended.

2. ***Final Report, Phase I Environmental Site Assessment, 1770 Heatherington Road*** **(Jacques Whitford, February 29, 2008)**

In this report, the site is described as a City of Ottawa Works yard having a 3-bay garage with an underground storage tank, storage shed, four trailers used as offices, a grit Quonset hut, a salt Quonset hut, a storage shed, an aboveground calcium chloride storage tank, and a storage area used by the City of Ottawa Parks Division. These are shown on Figure 3B. The following PCAs were identified in this report:

- The site had operated as a works yard and garage since the 1960s. The site was a registered waste generator of numerous hazardous waste since 1986;
- Betty Brite Cleaners was located at 1574 Walkley Road (adjacent north) and was a registered waste generator for halogenated solvents between 1986 and 1998;
- A retail fuel outlet at 1594-1596 Walkley Road (adjacent north), operated under various names from the 1960s to 1990s;
- Various automotive sales/service at 1620 Walkley Road (adjacent north), was registered as having a 150 L motor oil spill; and,
- Triangle Pump, is a contractor that conducts liquid and solid waste removal, tank removals and remediation. It previously operated at 1606 Walkley Road.

Former previous off-site land use is shown in Figure 4. Based on the above, a Phase II ESA was recommended to address on-site and off-site PCAs.

3. ***Final Report, Phase II Environmental Site Assessment Report, City of Ottawa Works Yard, 1770 Heatherington Road*** **(Jacques Whitford, March 24, 2008).**

A total of eight (8) boreholes were advanced across the northern property boundary, within the garage footprint, in the vicinity of the Quonset hut, and in the vicinity of the fill and debris piles from street

sweeping. A total of sixteen (16) test pits were advanced across the southern half of the property to assess impacts from fill piles, street sweeping piles, salt and grit mixing, and exterior storage.

This study identified the following areas of impact with respect to the MOECC soil and groundwater standards:

- It was concluded that there were no impacts to the site associated with off-site PCAs;
- Groundwater flow direction was not conclusive, but appeared to trend north;
- Exceedances of MOECC Table 3 criteria for electrical conductivity (EC) and sodium adsorption ratio (SAR) was detected across the majority of the site. It was believed the impact was due to salt usage and snow piling;
- Exceedance of MOECC Table 3 criteria for pH was detected in one test pit in the central portion of the site;
- Exceedance of MOECC Table 3 criteria for boron was detected in one borehole within the garage footprint; and,
- The presence of a petroleum hydrocarbon sheen on the groundwater was detected in two monitoring wells within the garage footprint.

4. ***Supplemental Phase II ESA – 1770 Heatherington Road, Ottawa*** **(Trow Associates, now EXP Services Inc., September 2008)**

The objective of this investigation was to further delineate the vertical and lateral extent of various soil and groundwater impacts that had been previously identified at the site. As part of this investigation, the following was completed:

- Twenty-six (26) test pits and sixteen (16) surface soil samples were advanced across the site to allow for the analysis of SAR, EC and pH;
- Nine (9) boreholes including six (6) monitoring wells and three geotechnical piezometers (MW08-09 to MW08-17) were advanced to allow for the collection of soil and groundwater samples for petroleum hydrocarbons (PHC), volatile organic compounds (VOC), and boron;
- Based on the analytical results, one exceedance for pH, 29 exceedances for SAR, and 21 exceedances for EC were identified in the soil;
- No exceedances for PHC, VOC or boron were identified in the soil;
- One exceedance for VOC (vinyl chloride) was identified in the groundwater in MW08-14 (in proximity to the garage);
- No exceedances for PHC were identified in the groundwater; and,
- Groundwater flow direction was determined to be south.

For assessment purposes, EXP selected the non-potable groundwater MOECC Table 3 standards for residential property with fine grained soils. These criteria were chosen as it was EXP's understanding that the City of Ottawa wished to redevelop or sell the property and it may be used for residential purposes in the future.

Considering the proposed change in land use, a RSC would be required. It was determined that the best approach to achieve this would be to conduct a risk assessment for the SAR and EC impacted soil, and conduct selective on-site excavations for the petroleum hydrocarbon, metals, and pH impacts in the shallow soils.

5. ***Test Pit Assessment and Groundwater Sampling, Ottawa Works Yard, 1770 Heatherington Road, Ottawa ON (*Trow Associates, now EXP, December 2008)**

At this stage, the volume and distribution of the PHC sheen on groundwater and boron impacted soil was well characterized, however the volume of the pH impacted soil was not. As part of this investigation, twelve (12) test pits were advanced across the property and soil samples collected and analyzed for pH. All soil samples met criteria for pH. It was estimated that approximately 50 tonnes of pH impacted soil existed in the central portion of the site. Also during this investigation, an additional groundwater sample was collected from MW08-14 for VOC. The concentration of vinyl chloride (VC) remained greater than the MOECC criterion.

6. ***Replacement Monitoring Well Installation and Groundwater Monitoring Program, 1770 Heatherington Road, Ottawa, Ontario* (Trow Associates, now EXP, December 2008)**

The objective of the assessment was to delineate the vertical and lateral extents of vinyl chloride impacted soil and/or groundwater in the vicinity of MW08-14 through the installation of two additional groundwater monitoring wells and the submission of soil and groundwater samples for laboratory analysis. Two additional monitoring wells (MW08-18 and MW08-19) were installed east of the maintenance garage in November 2008. Groundwater samples were submitted from six (6) monitoring wells and submitted for VOC. Groundwater in two of the wells (MW08-14 and MW08-19) exceeded the criteria for vinyl chloride. The soil was found to not be impacted.

7. ***Risk Assessment, 1770 Heatherington Road, Ottawa, Ontario, (*Trow Associates, now EXP, January 2010)**

EXP revised and resubmitted submitted a risk assessment in support of the redevelopment of the Phase One Property for residential purposes. The contaminants of concern in soil were identified as EC and SAR; and, sodium, chloride and nitrate in groundwater. Based on the results of the RA, there were no risk management measures required to ensure protection of human health. Risk management measures were developed to prevent potentially unacceptable risk to terrestrial vegetation.

8. ***Risk Assessment - Revised, 1770 Heatherington Road, Ottawa, ON, (EXP Services Inc. October 13, 2011)***

EXP submitted a risk assessment in support of the redevelopment of the Phase One Property for residential purposes. The contaminants of concern in soil were identified as EC and SAR; and, sodium,

chloride and nitrate in groundwater. Based on the results of the RA, there were no risk management measures required to ensure protection of human health. Risk management measures were developed to prevent potentially unacceptable risk to terrestrial vegetation.

9. ***Groundwater Sampling – Ottawa Works Yard 1770 Heatherington Road, Ottawa ON*** **(EXP, March 2012)**

The objective of this report was to obtain updated groundwater analytical data. Based on the laboratory results, VOC parameters vinyl chloride and dichloroethylene exceeded applicable criteria in monitoring wells MW08-14 and MW08-19.

10. ***Pre-remediation Soil Sampling – Ottawa Works Yard 1770 Heatherington Road, Ottawa ON*** **(EXP, April 2012)**

Prior to initiating the remedial excavations, a comparison of the 2008 analytical results was completed to the pending changes of the soil and groundwater guidelines (to become standards in July 2011). The data review identified three locations where polycyclic aromatic hydrocarbons (PAH) exceeded the 2011 standards (but not the preceding guidelines) and one location where vanadium and cobalt exceeded the 2011 standards. A subsequent testpit investigation at each location was completed to delineate the extent of impacts.

3.5.2 Pre-remediation Summary

To summarize, the above-mentioned environmental site assessments identified the following areas of environmental concern (AEC) at the Heatherington Road Works Yard:

- Vinyl chloride (VC) and dichloroethylene in the groundwater east of the former maintenance garage building;
- Petroleum hydrocarbon sheen present on the groundwater beneath the former maintenance garage building;
- Boron, lead and PHC impacted soil beneath the former maintenance garage building footprint;
- Shallow PAH impacted soil east of the maintenance garage, in the central portion of the yard and in the southwest portion of the yard;
- Shallow cobalt and vanadium impacted soil in the southeast portion of the yard;
- pH impacted soil in the central part of the yard; and,
- Property wide salt impact (EC and SAR) in shallow soils.

The locations of former monitoring wells and test pits to 2012 by both EXP and others are shown in Figure 5 in Appendix B.

3.5.3 Post-Remediation Reports

EXP began a remediation program in 2012 and continued with a supplemental remediation program in 2014 to address the AECs described above. The excavation areas are presented in Figure 6A in Appendix B. The following remediation reports were completed by EXP:

11. *Soil Remediation, 1770 Heatherington Road, Ottawa, Ontario* (EXP, July 31, 2012 and July 2, 2014)

Subsequent to the assessments, remediation activities were completed and overseen by EXP in two phases in 2012 and 2014, respectively. The remediation activities included: i) the excavation and disposal of impacted soil at licensed landfill facilities; ii) decommissioning of monitoring wells MW-08-19, MW-12-5, MW-12-6, MW-12-7, MW-12-10, MW-12-11; and, iii) the pumping and disposal of impacted groundwater at licensed facilities.

Figure 5 illustrates the location of the former remedial efforts. Table 3.1 provides a summary of the specific excavations advanced on-site. It is noted that the EC/SAR impacts in soil and the Na/Cl impacts in groundwater remain on the Phase One Property and will be managed as a part of the Tier III Risk assessment.

Table 3.1: Summary of Remedial Efforts

Location	Contaminants of Concern in Soil	Volume (Tonnage) of Soil Removed	Confirmatory Soil Analysis	Contaminants of Concern in Groundwater	Volume of Groundwater Removed (litres)	Confirmatory Groundwater Analysis
Pit 1	PHC, VOC, PAH, boron, lead	4,025 m^3 (8,480 T)	All samples submitted for confirmatory analysis (VOC [31 samples], PHC [29 samples], PAH [4 samples], boron and lead [3 samples] met the applicable criteria.	PHC, VOC, PAH	142,520	Seven rounds of post remediation groundwater monitoring met the applicable criteria (2012 x2, 2013, 2014 x2, 2015, 2019)
Pit 2	PHC, PAH	222 m^3 (380 T)	All samples submitted for confirmatory analysis (PHC [29 samples] and PAH [4 samples] met the applicable criteria	None	None	2015 groundwater monitoring met the applicable criteria

Table 3.1: Summary of Remedial Efforts

Location	Contaminants of Concern in Soil	Volume (Tonnage) of Soil Removed	Confirmatory Soil Analysis	Contaminants of Concern in Groundwater	Volume of Groundwater Removed (litres)	Confirmatory Groundwater Analysis
Pit 3	Cobalt, vanadium)	54 m^3 (90 T)	All samples submitted for confirmatory analysis (cobalt and vanadium) met the applicable criteria	None	None	2015 groundwater monitoring met the applicable criteria
Pit 4	PAH	42 m^3 (80 T)	All samples submitted for confirmatory met the applicable criteria	None	None	2015 groundwater monitoring met the applicable criteria
Pit 5	pH	36 m^3 (80 T)	All samples submitted for pH confirmatory analysis met the applicable criteria	None	None	Not applicable
Pit 6*	pH	25 m^3 (60 T)	All samples submitted for pH confirmatory analysis met the applicable criteria	None	None	Not applicable

*Pit 6 is located on-Site

Brief summaries regarding the remedial efforts completed at the Site and on the adjacent and are summarized below under the sub-headings Pit 1 through Pit 6 Excavation details, below:

Pit 1 Excavation Details

Between 2008 and 2012, exceedances of various PAHs, select metals (soil only), PHCs and VOCs (groundwater only) were identified in soil and groundwater samples collected from the vicinity of the former maintenance and storage garage located north of the Site.

Between 2012 and 2014 approximately, 8,480 tonnes of impacted soil that exceeded the MECP Table 3 SCS for Residential/Parkland/Institutional Property Use (medium - fine textured) was removed from this excavation and disposed of at a licensed landfill site. The final excavation for Pit 1 measured approximately 1,150 m^2 in total floor area.

Analytical results from the 2012 and 2014 confirmatory soil sampling met the applicable Table 3 SCS indicating vertical and horizontal delineation for soil impacts was achieved at all excavation areas. In brief the following confirmation samples were collected from Pit 1 to assess soil quality:

- **North Wall –** In 2012, nine (9) soil samples were collected from the north wall and analyzed for VOCs, PAHs, PHCs and/or select metals. Four (4) of the 2012 samples from the north wall failed to meet the applicable Table 3 SCS for PHCs F1-F2. No other exceedances were identified. As such, in 2014 the bounds of the north wall were extended and an additional five (5) soil samples and one (1) duplicate were collected from the new bounds of the north wall and analyzed for VOCs and/or PHCs. No exceedances were identified and the north wall of the excavation had been determined to be appropriately delineated to the applicable SCS.
- **South Wall –** In 2012, three (3) soil samples were collected from the bounds of the south wall and were analyzed for VOCs and/or PHCs. No exceedances were identified in the soil samples collected from along the south wall. In 2014, two (2) additional soil samples were collected from the south wall and were analyzed for PHCs and VOCs. No exceedances of the applicable SCS were noted for the samples collected in 2014 from the south wall.
- **East Wall –** In 2012, five (5) soil samples and one (1) duplicate sample were collected from along the east wall and were analyzed for VOCs, PHCs and/or PAHs. Select exceedances of PHC F2 were identified in several soil samples collected from the east wall in 2012. As such, in 2014 the east wall was extended and an additional five (5) soil samples and two (2) duplicates were collected from the new bounds of the east wall and analyzed for VOCs and/or PHCs. No exceedances of the applicable SCS were noted for the samples collected in 2014 from the east wall.
- **West Wall –** Between 2012 and 2014, seven (7) soil samples were collected from the west wall and were analyzed for VOCs, PHCs and/or select metals. One (1) exceedance was identified in a sample collected from the west wall in 2014 for PHC F3, the sampling location was subsequently removed, and additional confirmatory sampling indicated delineation of impacts had been archived.
- **Floor –** In 2012, eight (8) soil samples were collected from the floor of the remediation and were analyzed for PHCs. No exceedances of the applicable SCS were identified. In 2014 at the time of the north wall extension an additional ten (10) soil samples and two (2) duplicate samples were collected from the floor of the excavation and analyzed for VOCs and/or PHCs. No exceedances of the applicable SCS were identified for any of the 2012 or 2014 floor samples collected from Pit 1.

Throughout the excavating work at Pit 1, groundwater seeped into the base of the excavation and was pumped into a holding tank as needed. The holding tank was then emptied by Clean Water Works when filled. A total of 142,520 liters of groundwater from Pit 1 was hauled off-site by Clean Water Works. All groundwater was disposed of under provincial code description 251 L at the Clean Water Works disposal facility at Bantree Street in Ottawa.

Following the 2012 excavation activities, eight (8) overburden monitoring wells were constructed in the Pit 1 excavation (MW12-1 to MW12-5, MW08-8, MW08-10 and MW12-11). These wells were sampled on two (2) or three (3) occasions including July 2012 and/or October 2012, and April 2013.

Following the 2014 excavation and 2012-2013 groundwater sampling activities, eight (8) additional overburden monitoring wells were installed in and around Pit 1. These wells, plus several of the 2012 monitoring wells, were sampled on two occasions (July 2014 and November 2014). During these rounds of sampling and analyses, no exceedances of the applicable Table 3 non-potable criteria were detected for VOC, PHC, or PAH. As such it was deemed that the groundwater within the remedial Pit 1 footprint met the applicable Table 3 SCS.

Given that the final round of confirmatory sampling conducted in 2014 for Pit 1 yielded analytical results for soil and groundwater samples below the applicable Table 3 SCS, Pit 1 was not identified as a PCA for the Site and is considered to be remediated to the applicable Table 3 SCS.

Pit 2 Excavation Details

Between May 18 and May 22, 2012, Pit 2 was excavated to the immediate west of the site to address PHC (F1-F4) and PAH soil exceedances identified at an off-Site test pit location, TP08-15. On the 30th of January 2008, a marginal exceedance of benzo(a)pyrene (0.36 ug/g) and an exceedance of PHC F2 (1,740 ug/g) were noted at this sampling location, TP08-15, at a sampling depth of 0.3 m bgs.

Approximately 380 tonnes of impacted soil were removed from the Pit 2 excavation. The excavation was advanced to a depth of 1.2 m below ground surface. Groundwater did not enter the excavation. The final excavation for Pit 2 measured approximately 185 m^2.

To confirm the removal of soil impacts identified at TP08-15, a total of five (5) composite wall samples (i.e., NW1-1, SW2-2, EW2-1, EW5-1 and WW3-1) were collected from the, north, south, east and west walls of the excavation. In addition, three (3) composite floor samples (i.e., F2, F7, and F12) were collected from the base of the excavation. All confirmatory samples collected from Pit 2 met the applicable Table 3 SCS for the Site, indicating impacts had been removed and delineation achieved. Furthermore, following the completion of the Pit 2 excavation, a monitoring well was installed, denoted as MW15-4, at the approximate location of the former TP08-15. MW15-4 was screened at a depth of 3.0 – 6.0 m bgs and was subsequently sampled for PHCs and BTEX and PAH parameters on the 25 of August 2015. No exceedances of either PHCs and BTEX or PAHs were identified in the groundwater sampling conducted at MW15-4.

Given that all confirmatory sampling conducted at this location yielded analytical results for PHCs and BTEX and PAHs below the applicable Table 3 SCS, Pit 2 was not identified as a PCA for the Site.

Off-Site sampling locations and the approximate boundaries of the remedial excavation conducted for Pit 2 are depicted on Figures 5 and 6, respectively.

Pit 3 Excavation Details

On May 23, 2012, Pit 3 was excavated 30 m to the south of the Site along the southern boundary of the public works lands, to address cobalt and vanadium soil exceedances identified at MW08-8 in a soil sample collected at a depth of 0.2 – 1.22 m bgs.

A total of approximately 90 tonnes of soil was excavated from the Pit 3 excavation. Initially the excavation was advanced to a depth of 1.2 m below ground surface and three (3) composite wall samples (i.e., WW1-1, EW1-1, and NW2-1) and two (2) composite floor samples (i.e., F3 and Fla) were collected for laboratory

analysis of cobalt and vanadium. One (1) of the submitted floor samples exceeded the criteria for both cobalt and vanadium. As a result, on May 30, 2012, the western portion of the excavation was advanced to a depth of 1.5 m below ground surface and re-sampled, the additional confirmatory soil sample was found to meet the applicable Table 3 criteria.

Groundwater did not enter the excavation. The final excavation for Pit 3 measured approximately 36 m^2 in total floor area. Following remedial activities, a monitoring well denoted as MW15-6, was advanced within the center of the former remedial pit with a screen depth of 3.0 – 6.0 m bgs. MW15-6 was sampled on August 25, 2015, for metals and inorganics and no exceedances of the applicable Table 3 SCS were identified.

Given that the remedial Pit 3 is located transgradient to the Site, located approximately 30 m off-Site and that all confirmatory soil and groundwater sampling at this location yielded analytical results for cobalt and vanadium below the applicable Table 3 SCS, Pit 3 was not identified as a PCA for the Site.

Pit 4 Excavation Details

On May 24, 2012, Pit 4 was excavated at the southern property boundary to address a PAH soil exceedance identified at TP08-1. Benzo(a)pyrene and fluoranthene were both identified as marginal exceedances of the applicable Table 3 SCS in a sample collected from a depth of 0.2 m bgs at TP08-1 in January 2008.

Approximately 80 tonnes (4 truckloads) of impacted soil were removed from the Pit 4 excavation. The excavation was advanced to a depth of 1 m below ground surface. Three (3) composite wall samples (i.e., NW2-1, EW3-1 and WW2-1) and two (2) composite floor samples (i.e., F1 and F4) were collected and submitted for laboratory analysis of PAH. All confirmatory samples collected from the remedial excavation yielded analytical results below the applicable Table 3 SCS.

Groundwater did not enter the excavation. The final excavation for Pit 4 measured approximately 42 m^2 in total floor area. Following remedial activities, a monitoring well denoted as MW15-9, was advanced within the center of the former remedial pit with a screen depth of 3.0 – 6.0 m bgs. MW15-9 was sampled on August 25, 2015, for PAHs and no exceedances of the applicable Table 3 SCS were identified.

Given that the remedial Pit 4 is located transgradient to the Site, located approximately 60 m off-Site and that all confirmatory soil and groundwater sampling at this location yielded analytical results for PAHs below the applicable Table 3 SCS, Pit 4 was not identified as a PCA for the Site.

Pit 5 Excavation Details

On May 31, 2012, Pit 5 was excavated 30 m southeast of the Site to address pH exceedances identified in a soil sample collected from TP08-8 at a sampling depth of 0.6 m bgs on the 30th of January 2008.

Approximately 80 tonnes (4 truckloads) of impacted material were removed from the Pit 5 excavation and three (3) composite wall samples (i.e., WW1, EW1, and SW1) and two (2) composite floor samples (i.e., F1 and F2) were collected and sent for laboratory analysis of pH. All five (5) of the confirmatory pH samples were within the appliable Table 3 SCS pH range for surficial soils.

Groundwater did not enter the excavation. The final excavation for Pit 5 measured approximately 36 m^2.

Given that the remedial Pit 5 is located transgradient to the Site, located approximately 30 m off-Site and that all confirmatory soil sampling at this location yielded analytical results for soil pH within the applicable Table 3 SCS, Pit 5 was not identified as a PCA for the Site.

Pit 6 Excavation Details

On May 31, 2012, Pit 6 was excavated in the central portion of the Site to address a pH exceedance identified at TP22 in 2008. Approximately 60 tonnes (3 truckloads) of impacted surficial soil material were removed from the Pit 6 excavation up to a depth of 1.0 m bgs. Two (2) composite wall samples (i.e., NW1 and WW1) and three (3) composite floor samples (i.e., F1 and F2) including one (1) duplicate sample (i.e., F20) for QA/QC purposes were collected from Pit 6 and sent for the laboratory analysis of pH. On June 22, 2021, two (2) additional soil samples, S1 and S2, were collected from the bounds of the Pit 6 excavation, from the south and east walls of the former excavation, respectively. Soil samples S1 and S2 were collected at a depth of approximately 0.3 – 0.5 m bgs. All confirmational soil sampling for pH yielded results within the applicable Table 3 SCS.

Groundwater was not encountered upon advancement of the excavation. The final excavation area for Pit 6 measured approximately 25 m^2. It is noted that no confirmatory groundwater sampling was conducted at Pit 6 given the nature of the initial soil exceedance identified (i.e., pH).

Soil Importation

Portions of the Phase One Property is capped with asphalt and/or a sand and gravel fill cover. A north-south trending soil berm exists along the east property line. It is believed this soil for the berm originated from various City of Ottawa parks projects and was constructed to act a noise and visual barrier between the former works yard and neighboring residential properties.

In addition, it is noted that fill materials were brought to the Site in 2012 for purpose of backfilling of remedial Pit 6 in the southwest corner of the Site. Backfilling activities for the excavation of Pit 6 were carried out using Granular B Type I and II material sourced from the Tomlinson Group, commercial quarrying operations in Ottawa, ON. A total of four (4) soil samples were collected from the backfill material and were analyzed for PHCs F1 – F4 to confirm suitability for use at the Site. All four (4) of the confirmatory soil samples from the backfill materials met the applicable Table 3 SCS for PHCs.

12. ***EXP Services Inc. June 2021. Phase One and Two Environmental Site Assessment, East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario (EXP Services Inc. June 13, 2011)***

EXP completed Phase One and Two ESA's in support of the Modified Generic Risk Assessment that was completed to obtain a Record of Site Condition for the central eastern portion of the former works yard.

13. ***Modified Generic Risk Assessment - Proposed Boys & Girls Club Development, 1770 Heatherington Road, Ottawa, Ontario, (EXP Services Inc. June 13, 2011)***

In 2021, EXP prepared and submitted a modified generic risk assessment (MGRA) risk assessment in support of the redevelopment of the eastern portion of the former works yard. The MGRA was completed

to support the development of a Boys and Girls Club clubhouse. The contaminants of concern in soil were identified as EC and SAR; and, sodium, chloride and nitrate in groundwater. Based on the results of the MGRA, there were no risk management measures required to ensure protection of human health. Risk management measures were developed to prevent potentially unacceptable risk to terrestrial vegetation.

The MGRA was used to support the submission and attainment of a Record of Site Condition for that portion of the former works yard.

3.6 Regulatory Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. EXP did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The MECP Freedom of Information, Protection of Privacy Office;
- The Technical Standards and Safety Authority (TSSA), Fuel Safety Branch; and,
- The City of Ottawa.

3.6.1 Ontario Ministry of the Environment, Conservation and Parks

Records pertaining to the site were requested from the MECP through the *Freedom of Information and Protection of Privacy Act* (FOI). A copy of the request is included in Appendix D of this report. A response has yet to be received.

In addition to the formal FOI request, EXP conducted an on-line search of environmental documentation as summarised below:

- The Minisytry's Hazardous Waste Information Network (HWIN) database was searched by ERIS for registered waste generators in the vicinity of the subject site. A total of 93 entries were identified in the EcoLog Report. These are further discussed in Section 3.8.
- The MOE Brownfields Registry website was searched by ERIS for postings of Records of Site Condition (RSC). An RSC was obtained for a portion of the former works yard as part of the BGC development project.

3.6.2 Technical Standards and Safety Authority

As the site has remained vacant and undeveloped since the previous ESA, there was no need to contact the TSSA.

3.6.3 Municipal Records

3.7.3.1 City Hall Records

On January 21, 2021, records pertaining to the Phase One property were requested from the City of Ottawa for the Historical Land Use Inventory (HLUI) through the *Municipal Freedom of Information and Protection of Privacy Act* (FOI). A response was received from the City of Ottawa. A copy of the documents provided by the City of Ottawa is provided in Appendix D. The following information was revealed:

- 1594 Walkley Road (adjacent north) – This property operated as a retail fuel outlet from 1960 – 1980;
- 1574 Walkley Road (adjacent north) – This property operated as a dry cleaner (1994-1998);
- 1606 Walkley Road (adjacent north) – This property was operated by Triangle Pump Services from 1960 – 1980; and,
- 1620 Walkley Road (adjacent north) – This property was operated by Datsun Auto Sales and Service from 1960 – 1980.

In addition to the HLUI report, the City of Ottawa also provided building plans of the former garage as part of previous ESAs. The plans showed the location of underground storage tank north of the former garage and floor drains that lead to a dry-well, located east of the former garage.

All of the above was assessed through a previous Phase II ESA, and they do not represent APECs.

3.7.3.2 City Directory Search

A search of city directories within 250 metres of the site and dating back to 1959 was conducted by EcoLog Environmental Risk Information Services (ERIS) (Appendix E). Due to access limitations associated with the library closures, limited information was available. Previously, EXP reviewed city directories dated 1968, 1973, 1977/1978, 1984, 1990, 2001/2002, and 2010 at the National Library and Archives Canada library in order to identify the occupancy history of the site and neighbouring properties for potential environmental concerns. In 1968, the site and surrounding areas were not listed in the directory. The following are highlights from the city directory search.

Table 3.2: City Directory Search

Address	Year	Occupant/Operation	Direction from Site	Concern Yes/No
1770 Heatherington Road	1968 - 2010	Not listed	site	Yes
Walkley Road (no civic address)	1973 - 1984	Walkley City Yard	site	Yes
1594/1596 Walkley Road	1973 - 1990	Retail Fuel Outlet	adjacent north	No

Table 3.2: City Directory Search				
Address	**Year**	**Occupant/Operation**	**Direction from Site**	**Concern Yes/No**
1620 Walkley Road	1977 - 1993	Various Automotive Sales	adjacent north	No

The Phase One Property has already been identified as an AEC in Section 3.5. A retail fuel outlet was identified on an adjacent property to the north from the 1970s to 1990s. Based on an aerial photograph from 1976 (discussed in Section 3.9), the pump island and tanks appear to be 75 m from the property boundary. A motor sales operation, which may have potentially had an automotive garage was identified on an adjacent property to the north in the 1970s to 1990s. Apart from the Phase One Property, these properties are not considered APECs because they have been assessed through previous Phase II ESAs.

3.7 Land Use Documents

A review of the following publications was carried out as part of this Phase One ESA:

- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
- Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987); and,
- Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988).

3.7.1 Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)

No waste disposal sites were identified within the Phase One Study Area.

3.7.2 Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOE (1987)

No coal gasification plant waste sites were identified within the Phase One Study Area.

3.7.3 Mapping and Assess Former Industrial Sites – Intera (1988)

No former industrial sites were identified within the Phase One Study Area.

3.8 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the site and properties within 250 metres of the site was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix E.

- The subject site was listed as a waste generator for a wide range of hazardous wastes between 1986 and 2014. As previously discussed, the site has been assessed as part of a previous Phase II ESA and the remaining PCAs associated with the site are discussed in Section 3.5.
- 1594 Walkely Road (adjacent north) - A former retail fuel outlet and associated USTs were identified. As previously discussed, this was assessed as part of a former Phase II ESA, and does not represent an APEC.
- 1574 Walkley Road (adjacent north) – A former dry cleaner (Betty Brite Cleaners) was identified as a waste generator between 1986 and 1998. As previously discussed, this was assessed as part of a former Phase II ESA and does not represent an APEC.
- 1620 Walkley Road (adjacent north) – A 150 L spill of motor in 1988 was identified. As previously discussed, this was assessed as part of a former Phase II ESA and does not represent an APEC.

Based on the EcoLog database search, no additional APECs were identified.

3.9 Physical Setting Review

3.9.1 Aerial Photographs

The following table summarizes the development and land use history of the subject site and adjacent properties as depicted on the reviewed aerial photographs. Representative aerial photographs are presented in Appendix F.

Table 3.3: Aerial Photograph Search

Aerial Photograph (year)	Details
1945	The site and study area appears to be used for agricultural purposes. There are a few residences visible along Walkley Road. Heatherington Road is not yet visible.
1956	The site and surrounding areas appear in a similar fashion to the 1945 photograph.
1965	The study area is developed with the garage building and a shed. Many areas of the site appear disturbed or have fill piles on them. Surrounding areas to the south, east and west appear agricultural. Properties to the north along Walkley Road appear residential.
1976	Most of the site is gravel or asphalt covered and the fill piles remain visible. There is commercial development along Walkley Road. The retail fuel outlet is visible 75 m to the north of the site. Higher density residential areas are being developed in the area.

Table 3.3: Aerial Photograph Search	
Aerial Photograph (year)	**Details**
1999	The study area appears to be developed with a few additional smaller sheds. A salt dome is present in the northwest part of the study area. The residential development in the area has increased. The retail fuel outlet to the north of the site is no longer visible. Development north of the site remains commercial. A large shopping mall is visible to the north of Walkley Road.
2005 – 2011	The site and surrounding areas appear similar to the 1999 photograph. Fill piles are present in the study area and linear berms are visible in the east and south of the site in 2005. A few trailers are now visible at the site.
2014 - 2021	All structures have been demolished from the site and the site is vacant. The adjacent properties are commercial to the north and residential in all other directions.
2022	The site remains vacant. The BGC clubhouse is visible east of the site.

Based on the review of the aerial photography, no additional APECs were identified.

3.9.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
2. *Surficial Geology of Southern Ontario*– Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
3. MOE Water Well Records and Ontario Geotechnical Boreholes. Electronic Resource.

A review of geological maps revealed that, the Phase One property is underlain by fine textured glaciomarine deposits of silt and clay with minor sand and gravel. Bedrock geology maps indicated limestone and shale of the Carlsbad Formation underlies the site.

Various drilling programs confirm the overburden materials at the site consist of silty clay, over glacial silty clay till. Depth to the limestone bedrock is approximately 6 m below grade.

Topographically, the site is generally flat, with a slight grade from north to south. Regional topography slopes downwards towards the southeast. A copy of the topographic map is presented in Appendix E as part of the ECOLOG ERIS report in Appendix B.

Based on previous Phase Two ESAs completed at the Phase One Property, the overburden groundwater flow direction is south.

3.9.3 Fill Materials

Various drilling programs at the Phase One Property revealed a 0.8 to 2.5 m layer of reworked soil or fill across much of the site.

3.9.4 Water Bodies and Areas of Natural Significance (ANSI)

The closest body of water to the Phase One Property is the Sawmill Creek, located 1.3 km south of the site. The subject site is not located in close proximity to an ANSI, according to the Ministry of Natural Resources Natural Heritage website.

3.9.5 Well Records and EXP Boreholes

The Phase One Property and surrounding area are municipally serviced with water. Borehole logs indicate geology in the area is typically layers of silty clay over till, over limestone bedrock at a depth of approximately 5.5 to 7.0 m below grade. Overburden groundwater in the area ranges from 1.6 to 2.5 m below grade.

3.10 Site Operating Records

No site operating records were available for review.

4. Interviews

At the time of the Site visit, there were no on-Site structures and therefore no maintenance personnel were available to be interviewed. Given the absence of buildings at the Site, and the extent of previous information gathered during this Phase One ESA, it is the opinion of the QP_{ESA} that an interview would not have contributed to knowledge of the Site history, and as such, was not conducted.

5. Site Reconnaissance

5.1 General Requirements

On November 17, 2022 and November 23, 2023, Chris Kimmerly of EXP conducted site visits in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the site.

The general environmental management and housekeeping practices at the site were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Photographs are included in Appendix G.

5.2 Specific Observations at the Phase One Property

5.2.1 Site Description and Buildings

The Phase One Property is located on the west side of Heatherington Road, at 1770 Heatherington Road, Ottawa. The legal description of the Phase One Property is Part of Lot A, Concession 4 (Rideau Front), Geographic Township of Gloucester; Part 2 on Plan 4R-33717; Part of PIN 04741-0011 (LT).

The Phase One Property consists of a 2.7-hectare parcel which consists of a former City of Ottawa works yard that is currently vacant. Soil piles were present in the west portion of the site.

5.2.2 Heating and Cooling Systems

Currently, there are no heating and cooling systems at the site. The former maintenance garage was previously heated with an oil-fired furnace.

5.2.3 Site Utilities and Services

The study area was previously services with overhead hydro and telephone services, municipal water, an onsite septic tank and storm sewer. All utilities were removed to facilitate the building demolition and site remediation in 2012, with the exception of a portion of the storm sewer.

5.2.4 Site Use

The study area is currently vacant. It was previously used by the City of Ottawa as a garage and works yard.

5.2.5 Drains, Pits and Sumps

Although no drains, pits or sumps were observed during the site visit, the former maintenance garage to the north had floor drains that were connected to a dry-well located east of the building. These features were removed along with surrounding soils during the 2012 site remediation activities.

5.2.6 Storage Tanks

5.2.5.1 Underground Storage Tanks

No underground storage tanks were observed or have been present on the Phase One site.

5.2.5.2 Aboveground Storage Tanks

No underground storage tanks were observed or have been present on the Phase One site. A calcium chloride was previously stored in the west part of the site.

5.2.7 Chemical Storage and Handling

No chemical storage was observed at the site. During its operation as a works yard, salt was stored in a doom on the west side of the site.

5.2.8 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of stained soil, pavement or stressed vegetation were identified on the site.

5.2.9 Fill, Debris and Methane

Soil berms that were previously placed along the east and south property lines have been screened and relocated to the west end of the property.

5.2.10 Air Emissions

No air emissions concerns were identified at the time of the site visit.

5.2.11 Odours

No strong odours were detected during the site visit.

5.2.12 Noise

No excessive noise was detected during the site visit.

5.2.13 Processing and Manufacturing Operations

No processing or manufacturing operations are conducted at the site.

5.2.14 Hazardous Materials Use and Storage

No hazardous materials are used or stored on the subject site. During its operation as works yard, the study area was listed as a waste generator of various materials.

5.2.15 Vehicle and Equipment Maintenance Areas

No vehicle or equipment maintenance areas are present on the subject site. A former garage was demolished in 2012.

5.2.16 Oil/Water Separators

No oil water separators are present at the site. As previously mentioned, floor drains within the garage were previously connected to a dry-well located east of the building. The area was remediated during the 2012 and 2014 remedial excavations.

5.2.17 Sewage and Wastewater Disposal

There is no sewage or wastewater disposal service on the subject site. The garage to the north previously had a septic tank located north of the building. This tank was removed during the 2012 remedial excavation.

5.2.18 Solid Waste Generation, Storage & Disposal

No waste is generated at the site.

5.2.19 Liquid Waste Generation, Storage & Disposal

No liquid waste is generated at the site.

5.2.20 Unidentified Substances

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

5.2.21 Hydraulic Lift Equipment

No hydraulic lift equipment was observed at the site.

5.2.22 Mechanical Equipment

No mechanical equipment was observed at the site.

5.2.23 Abandoned and Existing Wells

Several monitoring wells were observed at the site. The monitoring wells were installed during earlier Phase II ESAs and following the 2012 and 2014 remedial excavations. They are illustrated in Figure 4.

5.2.24 Roads, Parking Facilities and Right of Ways

Access to the site is provided via Heatherington Road.

5.3 Enhanced Investigation Property Observations

Part VI of O.Reg. 511/09 defines an Enhanced Investigation Property as (i) a property used, or has ever been used, in whole or part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid dispensing facility, including a gasoline outlet or for the operation of dry-cleaning equipment.

Based on the records review and site reconnaissance that indicated the site was used as a garage and, as a result, the site was classified as an Enhanced Investigation Property.

5.4 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the site. Refer to Figure 2 for the adjacent land uses.

North: Various light commercial

South: Residential

East: Community

West: Service Ontario, Residential

Based on the visual inspection, no additional sources of potential environmental concern that may have impacted the subject site were identified on the adjacent and surrounding properties.

5.5 Summary of Site Reconnaissance

Based on the site reconnaissance, no additional APECs were identified.

6. Phase One Conceptual Model

This section provides a description of the Phase One conceptual site model (CSM).

6.1 Site Description

The Phase One Property is located on the west side of Heatherington Road, at 1770 Heatherington Road, Ottawa. The legal description of the Phase One Property is Part of Lot A, Concession 4 (Rideau Front), Geographic Township of Gloucester; Part 2 on Plan 4R-33717; Part of PIN 04741-0011 (LT). The Phase One Property consists of a 2.7 hectare parcel which consists of a former City of Ottawa works yard that is currently vacant.

The approximate Universal Transverse Mercator (UTM) coordinates for the subject site centroid is NAD83, Zone 18, 449470 m E, 5024942 m N. The UTM coordinates were based on an estimate derived using Google Earth™. The accuracy of the centroid is estimated to range from 5 to 50 m.

Topographically, the Phase One Property is generally flat, with a slight grade from north to south. Surface water drainage flows to catch basins and storm sewers located in the paved portion north of the Phase One Property of the site or dissipates via surface infiltration. Standing water was noted around the soil berms on the southern portion of the property.

Borehole logs indicate geology in the area is typically layers of surficial topsoil/gravel or crushed stone followed by silty clay over till, over limestone bedrock. Bedrock was between 5.5 and 7 metres below grade.

Overburden groundwater in the area ranges from 1.6 to 2.5 m below grade. The depth to bedrock groundwater in the northeast portion of the Site is approximately 6 metres below grade.

Regional groundwater flow is inferred to be toward Sawmill Creek located approximately one kilometre southwest of the Phase One Property. Previous investigations by EXP at the Phase One Property confirm groundwater flow direction is to the south – southwest.

6.2 Current and Past Uses

Based on a review of historical aerial photographs, historical maps, and other records review, the site was first developed for agricultural purposes as early as the 1940s. The site was developed into a works yard and garage in the mid-1960s and operated as such until late 2012. The site buildings were fully demolished in 2012 to allow for remediation activities. The site has been vacant since 2012.

6.3 Adjacent Property Use

Activities on adjacent properties include the following (Figure 2):

- North: Various light commercial
- South: Residential
- East: Community

- West: Service Ontario, Residential

6.4 Summary of Potentially Contaminating Activities

Ontario Regulation 153/04 defines a potentially contaminating activity (PCA) as one of 59 operations set out in Table 2 of Schedule D that occurs or has occurred in a property study area. Potentially contaminating activities were identified on-Site and within 250 m from the Phase One Property site boundaries (Figure 6). Each PCA was further evaluated to determine if the activity may be contributing to an APEC at the Phase One Property or if they are considered de-minimis and not contributing to an APEC.

The following PCA were identified on-site and within the Phase One Study Area, as per Schedule D of O. Reg 153/04, and are thought to contribute to an APEC:

Table 6.1: Potentially Contaminating Activities

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 1: Former On-Site Garage (Location of Remedial Pit No. 1)	1770 Heatherington Road	On-site (northeast corner)	#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	The site had operated as a public works yard and garage since approximately the 1960s. A three -door garage was used for the light maintenance and storage of City of Ottawa public works vehicles and equipment. Based on a reviewed Phase I ESA (JWEL, 2008a), completed during the operation of the Site garage, various light chemicals (cleaners, motor oils, antifreeze, ect.) were stored in sealed containers within the garage. A catch basin was connected to a former dry-well east adjacent to the former garage. Based on reviewed City of Ottawa building plans from 1960 a fuel oil powdered heating system was present in the north portion of the garage. The heating system was powered by a 500-gallon fuel oil storage tank (identified as PCA 2 and described below). Soil and groundwater within the footprint of the former garage was remediated in 2012 - 2014. The impacts included petroleum hydrocarbons, metals and volatile organic compounds.	Yes - PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 2: Former On-Site UST (Location of Remedial Pit No. 1)	1770 Heatherington Road	On-site (northeast corner)	#28: Gasoline and Associated Products Storage in Fixed Tanks	At the time of the 2012 remedial investigation, the former UST had already been removed from the Site. The date of removal is unknown, however based on a review of City of Ottawa Site plans from 1960 the UST was identified to a 500-gallon buried, steel wall fuel oil tank. The tank was identified to service the heating system in the former garage structure (PCA 1, outlined above). The UST was constructed of steel and was situated on top of a subgrade concrete foundation. The UST was located north adjacent to the former garage structure.	Yes – PCA is located on-site

PCA 3: Surficial granular fill material of unknown quality present across the Site Former excavation (Pit 2) – located in central portion of the Site Former excavation (Pit 3) – located in southeast portion of the Site Former excavation (Pit 4) – located in southwest portion of the Site	1770 Heatherington Road	On-site (across the entire Site)	#30: Importation of Fill Material of Unknown Quality	Based on review of aerial photographs and prior ESA reports, fill materials are present across the entirety of the Site. The Site has used soil from public works operations to re-grade the property and for stockpiling at the former public works yard. Fill of unknown quality and street sweepings were stored on-Site, street sweepings were reportedly disposed of at off-Site landfill facilities each year while soil stockpiles were stored and reused for ongoing public work projects (JWEL, 2008a). Based on review of historical aerial photographs between 1958 and present day, fill piles and soil berms change locations during operation of the Site. Evidence of fill materials being re-worked and stored across the majority of the Site is evident from review of the historical aerial photographs. In addition, it is assumed that fill materials of unknown quality were also used to regrade the property to accommodate new structures built during the course of Site operations. As such, given that fill materials have been located across the majority of the Site during operations and that it is suspected that the majority of the Site has been graded with fill materials of unknown quality, PCA 3 has been identified to be associated with the entire Site. Several remedial excavations were completed to address exceedances suspected to be associated with the fill materials present at the Site: Impacts at Pit 2 included PAH and PHC Impacts at Pit 3 included V and Co Impacts at Pit 3 included PAH	Yes – PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 4: Historical salt related exceedances, Former salt dome, salt use and salt storage	1770 Heatherington Road	On-site (across the entire Site)	#48: Salt Manufacturing, Processing and Bulk Storage	The site had operated as a works yard since the 1960s, including the use and storage of de-icing salts. During the operation of the Site as a municipal public works yard for the City of Ottawa, de-icing related infrastructure was formerly present at the Site and de-icing salts were applied to the Site across paved regions during winter months. A former Quonset hut, salt storage dome and calcium chloride AST were all located within the northwestern portion of the Site. Salts were stored on-Site, within these structures, and were loaded into vehicles for application on municipal streets during winter months. In addition, based on review of historical ESA reports (JWEL, 2008b) salt-related impacts have been identified across the majority of the Site in surficial soils and overburden groundwater. As such, the entire Site was identified to be related to PCA 4.	Yes – PCA is located on-site

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 5: Former Dry Cleaner	1574 Walkley Road	Off-Site (north adjacent property)	#37: Operation of Dry Cleaning Equipment (where chemicals are used)	Betty's Brite Cleaners (formerly located at 1574 Walkley Road) operated between approximately 1980 and 1990 based on the reviewed City Directories and ERIS report, provided with the Phase One ESA (EXP, 2016a). Based on the proximity to the Site, duration of operations and suspected presence of halogenated solvents, the property at 1574 Walkley Road was identified as a PCA. No information on the location of former infrastructure or other operations occurring at the property were identified. The approximate location PCA is identified to be the entire building at 1574 Walkley Road.	Yes, however this APEC was previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated VOCs in all groundwater samples collected along the northern property line were less than the applicable SCS.

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 6: Former Retail Fuel Outlet and UST	1594 Walkley Road	Off-Site (north adjacent property)	#28: Gasoline and Associated Products Storage in Fixed Tanks	A former retail fuel outlet was present along the northern property boundary at 1594 Walkley Road as identified in the ERIS report, the City Directories and prior environmental investigations completed at the Site (JWEL, 2008a). This PCA occurred at 1594 Walkley Road between the 1960s - 1990s. Locations of storage tanks or other associated infrastructure related to the retail fuel outlet are unknown. However, the approximate location of the former retail fuel outlet is provided on Figure 4.	Yes, however previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.
PCA 7: Former remediation contractor	1606 Walkley Road	off-Site (north adjacent property)	#28: Gasoline and Associated Products Storage in Fixed Tanks	Triangle Pump was formerly located at 1606 Walkley Road, north adjacent to the Site. Triangle Pump is an environmental contractor with services that include solid and liquid waste removal, tank removals, and Site remediations. It is unknown if any former infrastructure or operations occurred on the property at 1606 Walkley Road. This PCA occurred between the 1960s - 1980s. Based on review of the JWEL (2008a) Phase One ESA an approximate location of the former building is shown on Figure 4.	Yes, however, previously assessed by JWEL in 2008b and EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.

PCA Identifier	Address	Location of Activity (in Relation to Site)	Potentially Contaminating Activity (PCA)	Approximate Timeline That PCA Occurred	Contribution to APEC at the Site
PCA 8: Former Automotive Sales and Services	1620 Walkley Road	off-Site (north adjacent property)	#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	A Nissan dealership was formerly located at the intersection of Walkley Road and Heatherington Road at 1620 Walkley Road. This PCA occurred between the 1960s - 1980s. No information on the location of historical infrastructure, storage tanks or other operations were identified.	Yes, however, previously assessed by JWEL in 2008b and by EXP in 2016b. The results of the prior investigations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the applicable SCS.
PCA 9: Reported Spill (Motor Oil)	1620 Walkley Road	off-Site (north adjacent property)	#Other: Spill	Based on the reviewed ERIS report a historical spill of 150 L of motor oil was identified at the property located at 1620 Walkley Road. This PCA occurred in 1988. Given the proximity of the PCA to the Sites northern boundary, the spill of motor oil was identified as a PCA.	Yes, however, previously assessed by JWEL in 2008b and by EXP in 2016b. The results of the prior inveisgations indicated metals, PAH, PHC and VOC in groundwater samples collected along the northern property line were less than the appliable SCS.

6.5 Summary of Areas of Potential Environmental Concern

Based on the evaluation of the PCAs located within the Phase One Study Area, APECS were identified, as presented in Table 6.1 and depicted in Figure 7.

Table 6.2: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Location of APEC on Site	PCA Identifier & (Potentially Contaminating Activity)	Location of PCA (on-site or off-site)	Contaminants of Potential Concern (CPOC)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 1: Former garage in the northeast corner of the Phase One Property. All impacted soils and overburden groundwater were removed during various remediation programs (Pit 1).	Northeast Corner	PCA 1 (PCA #27: Garages and Maintenance and Repairs of railcars, Marine Vehicles, and Aviation Vehicles)	On-site	PHCs, VOCs, PAHs, metals	Soil and groundwater
APEC 2: Former UST. All impacted soils and overburden groundwater were removed during various remediation programs (Pit 1).	Northeast Corner	PCA 2 (PCA #28: Gasoline and Associated Products Storage in Fixed Tanks)	On-site	PHCs, VOCs, PAHs, metals	Soil and groundwater
APEC 3: Placement of surficial granular fill of unknown quality across the entire Site.	Across the Site	PCA 3 (PCA #30: Importation of Fill Material of Unknown Quality)	On-site	Metals, PAH, PHC	Soil
APEC 4: Salt Dome and Use on-site. Previous Phase Two ESAs by both **EXP** and others identified salt impacts in the shallow soil across much of the site.	Across the Site	PCA 4 (PCA #48: Salt Manufacturing, Processing and Bulk Storage	On-site	Soil (SAR and Electrical Conductivity), Groundwater (Na, Cl-)	Soil and groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Site	PCA Identifier & (Potentially Contaminating Activity)	Location of PCA (on-site or off-site)	Contaminants of Potential Concern (CPOC)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC 5: Former off-site dry cleaner.	Northwest corner of site	PCA 5 (#37: Operation of Dry Cleaning Equipment where chemicals are used)	Off-Site	VOC	Groundwater
APEC 6: Former off-site retail fuel outlet and UST.	North central portion of site	PCA 6 (#28: Gasoline and Associated Products Storage in Fixed Tanks)	Off-Site	BTEX, PHC	Groundwater
APEC 7: Former fuel dispenser and remediation contractor.	North central portion of site	PCA 7 (#28: Gasoline and Associated Products Storage in Fixed Tanks)	Off-Site	BTEX, PHC	Groundwater
APEC 8: Former automotive sales and services	Northeast portion of site	PCA 8 (#27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles)	Off-Site	PHC, PAH, metals, VOCs	Groundwater
APEC 9: Former reported motor oil spill	Northeast portion of site	PCA 9 (#Other: Spill)	Off-site	PHC, PAH	Groundwater

7. Conclusions

Based on the findings of the Phase One ESA, a Phase Two ESA is required to assess the APECs identified; and, to obtain soil and groundwater data to further characterize the site prior to submitting an RSC.

8. References

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23. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory.*

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28. Trow Associates; 2008; Test Pit and Groundwater Assessment, 1770 Heatherington Road, Ottawa, Ontario.

29. Trow Associates; 2009; Replacement Monitoring Well Installation and Groundwater Monitoring Program, 1770 Heatherington Road, Ottawa, Ontario.

30. Trow Associates, 2010; Risk Assessment, 1770 Heatherington Road, Ottawa, Ontario

31. Trow Associates, 2011; Risk Assessment - Revised, 1770 Heatherington Road, Ottawa, Ontario

9. Limitation of Liability, Scope of Report, and Third-party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of EXP may require re-evaluation. Where special concerns exist, or the City of Ottawa ("the Client") has special considerations or requirements, these should be disclosed to EXP to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Where applicable, recommended field services are the minimum necessary to ascertain that construction is being carried out in general conformity with building code guidelines, generally accepted practices and EXP's recommendations. Any reduction in the level of services recommended will result in EXP providing qualified opinions regarding the adequacy of the work. EXP can assist design professionals or contractors retained by the Client to review applicable plans, drawings, and specifications as they relate to the Report or to conduct field reviews during construction.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to EXP. If new information about the environmental conditions at the Site is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice. Since EXP is a Professional Consulting Engineering firm, Professional Liability Insurance for any actual or alleged error, omission, or negligent act arising out of the professional services provided by EXP, including environmental services, is provided.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by the Client, communications between EXP and the Client, other reports, proposals or documents prepared by EXP for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

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Appendices

Appendix A:
Qualifications of Assessors

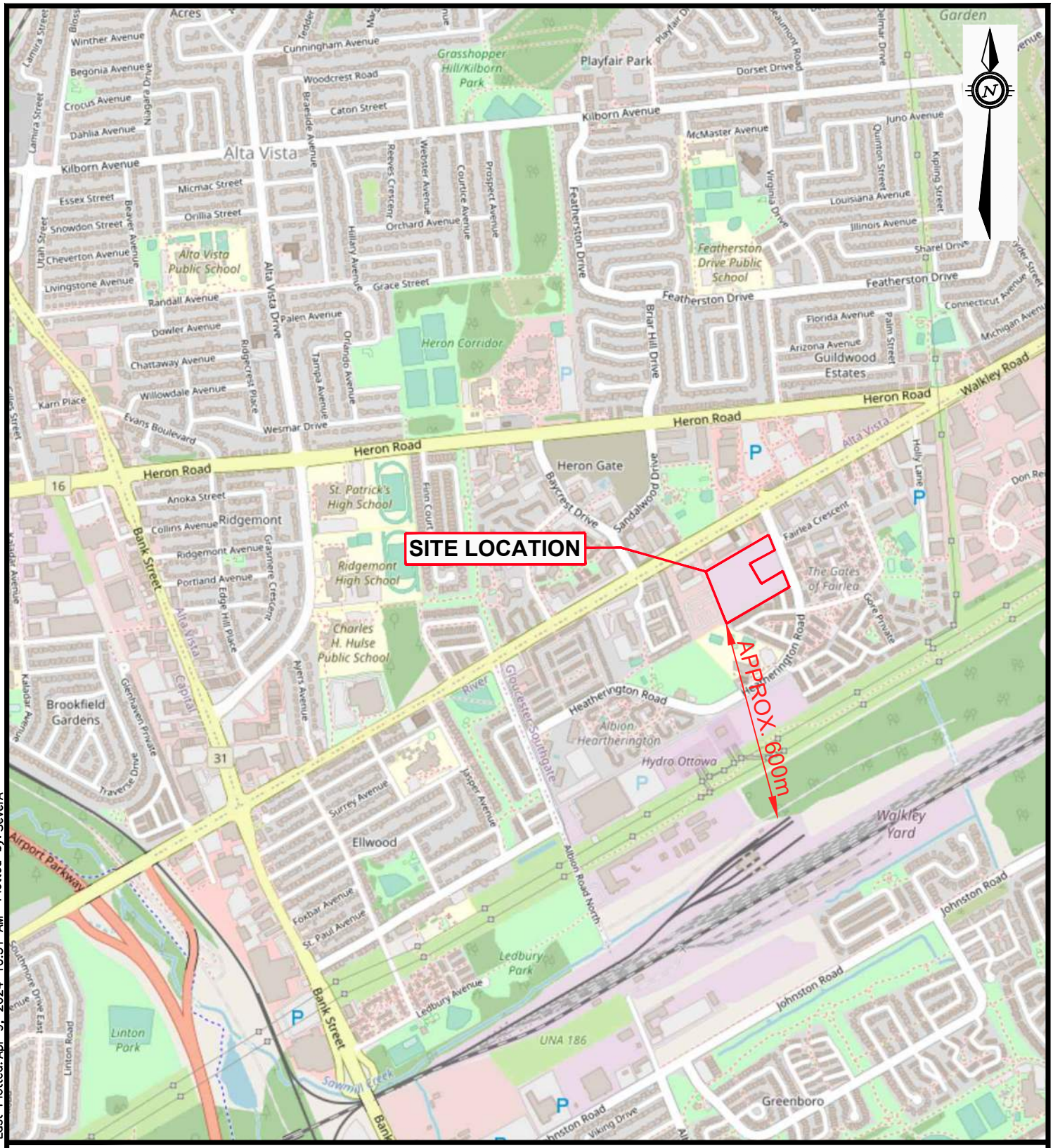
Qualifications of Assessors

EXP provides a full range of environmental services through a full-time Environmental Services Group. EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

Mark McCalla, P.Geo**.** is a Senior Environmental Scientist with EXP who has 32 years of experience in the environmental consulting field. His technical undertakings have included work in the following fields: Phase I and II Environmental Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition.

Chris Kimmerly, M.Sc., P.Geo., has more than 29 years of environmental consulting experience, 28 of which have been with EXP. A graduate of Brock University with a Master of Science Degree in Geological Science, he is a professional geoscientist who has progressively gained experience and responsibility from driller's helper to field geologist, to project manager and currently to division manager. His technical experience includes managing, coordinating, and conducting environmental site assessments; groundwater sampling programs; soil and groundwater remedial action and risk mitigation plans; mineral aggregate assessments; hydrogeological and terrain analysis assessments; designated substances and hazardous materials surveys.

Appendix B: Figures



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Ottawa, ON K2B 8H6
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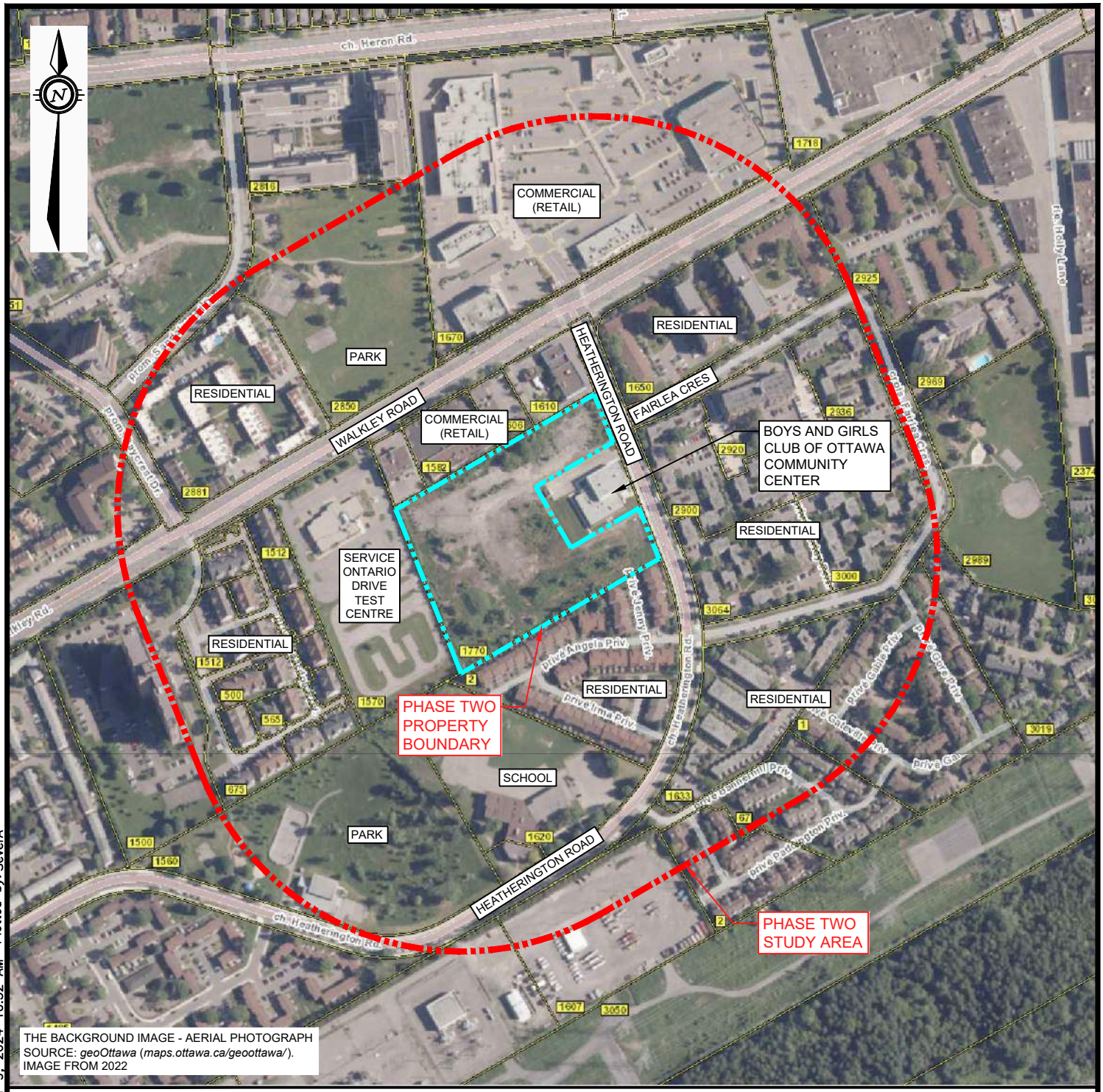
DESIGN	C.K. / S.P.
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

SITE LOCATION PLAN

SCALE 1:15,000

SKETCH NO FIG 1



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

EXP Services Inc. 100-2650 Queensview Drive Ottawa, ON K2B 8H6 www.exp.com	DESIGN C.K. / S.P. DRAWN T.M. / A.S. DATE APRIL 2024 FILE NO OTT-00018293-J5	PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1770 Heatherington Road, Ottawa, Ontario 250m PHASE TWO ESA STUDY AREA	SCALE 1:5,000 SKETCH NO FIG 2

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
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LEGEND

PROPERTY BOUNDARY

0 15m 30m 60m

HORIZONTAL 1:1500

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DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

SITE PLAN
(CURRENT CONDITIONS)

SCALE 1:1,500

SKETCH NO FIG 3A

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
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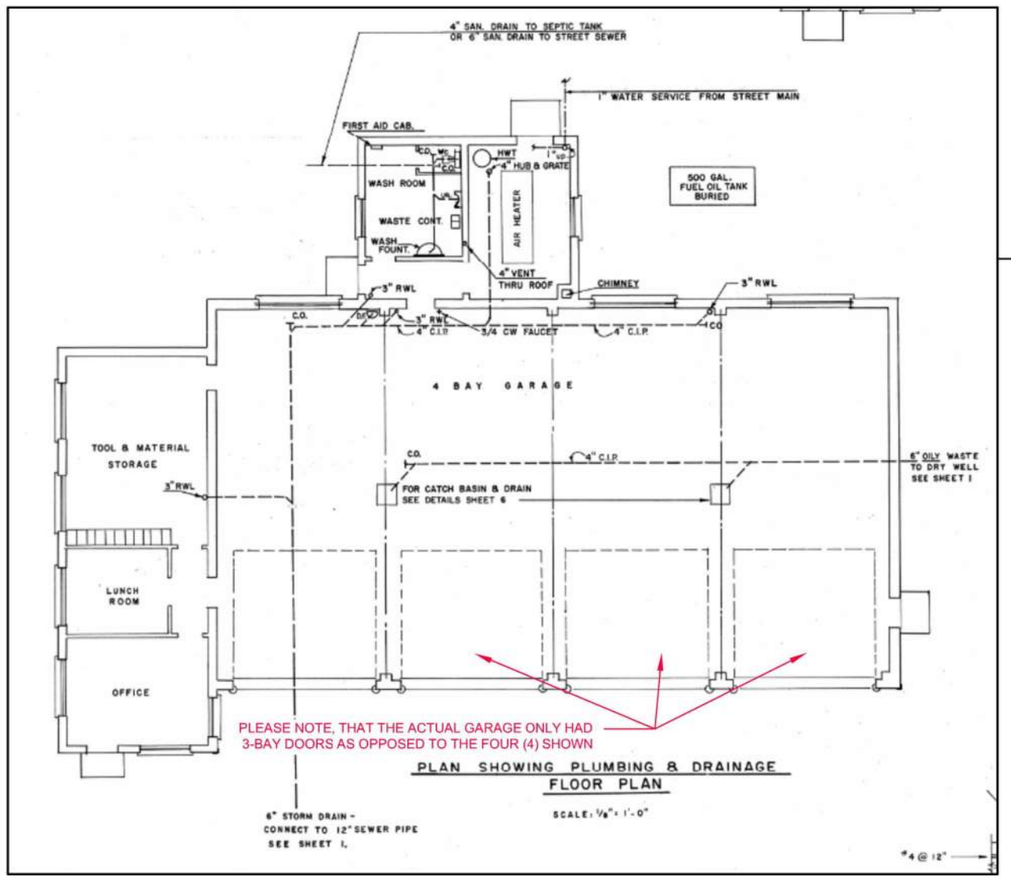

FORMER GARAGE LAYOUT
(APPROXIMATE SCALE: ~1:200)

LEGEND

- PROPERTY BOUNDARY
- WATER LINE
- STORM SEWER LINE
- DW — DRY WELL
- FORMER FURNACE OIL TANK
- FORMER SEPTIC TANK

0 15m 30m 60m
HORIZONTAL 1:1500

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DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

SITE PLAN
(FORMER CONDITIONS)

SCALE 1:1,500
SKETCH NO FIG 3B

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
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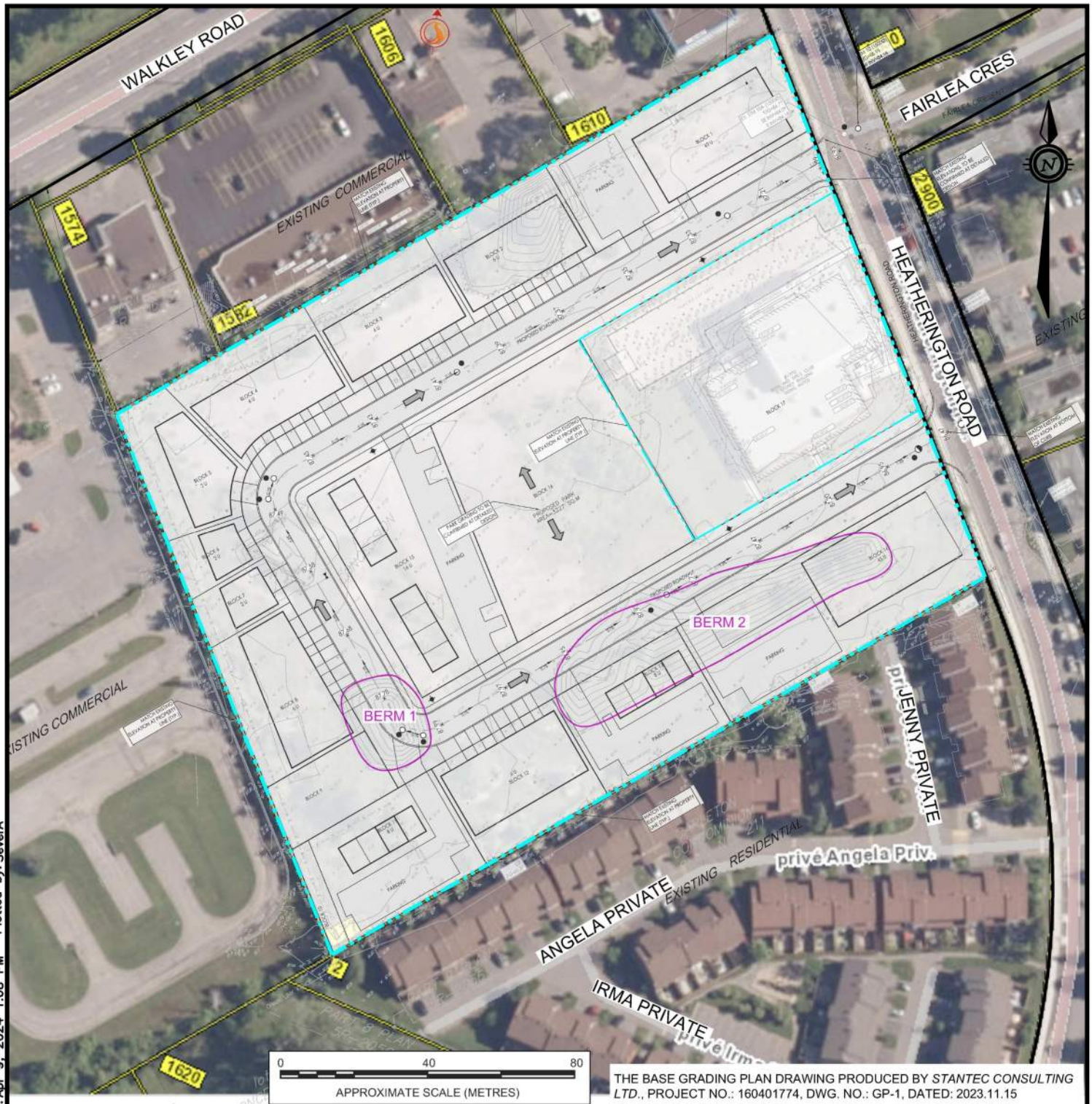

THE BASE GRADING PLAN DRAWING PRODUCED BY *STANTEC CONSULTING LTD.*, PROJECT NO.: 160401774, DWG. NO.: GP-1, DATED: 2023.11.15

LEGEND

PROPERTY BOUNDARY

THE BACKGROUND IMAGE - AERIAL PHOTOGRAPH SOURCE: *geoOttawa* (*maps.ottawa.ca/geoottawa/*). IMAGE FROM 2022

0 15m 30m 60m

HORIZONTAL 1:1500

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DATE	APRIL 2024
FILE NO	OTT-00018293-J6

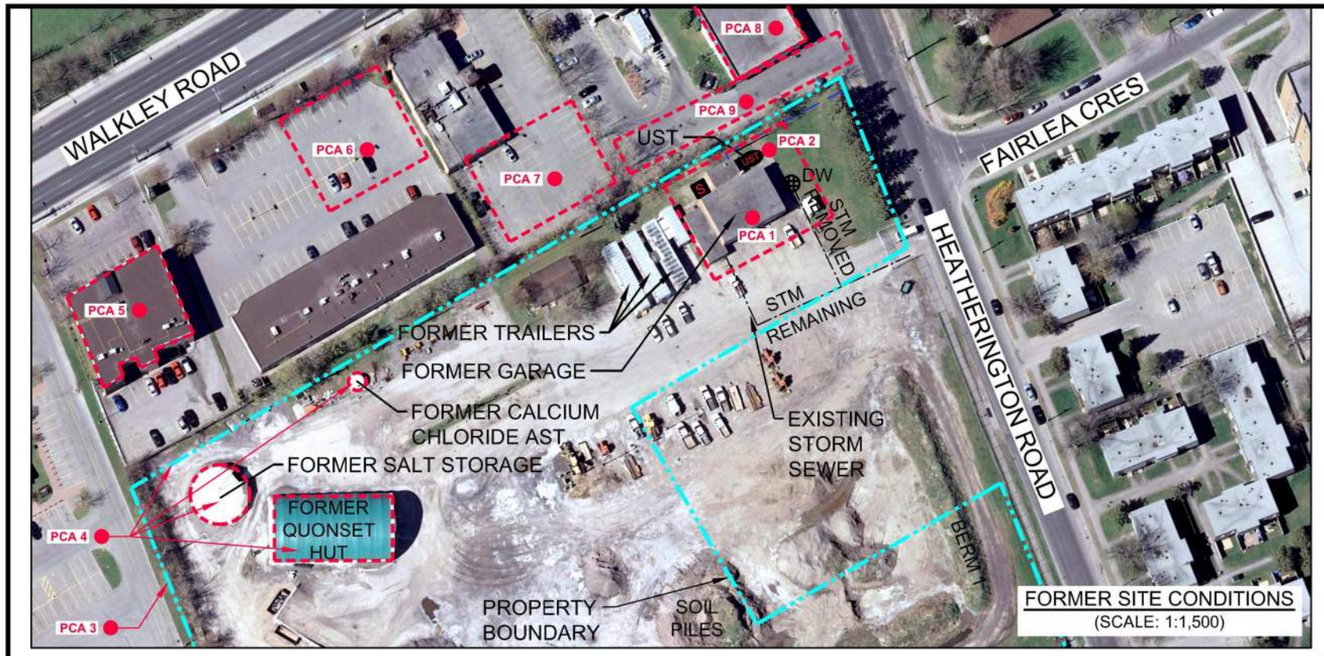
PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

SITE PLAN
(FUTURE CONDITIONS)

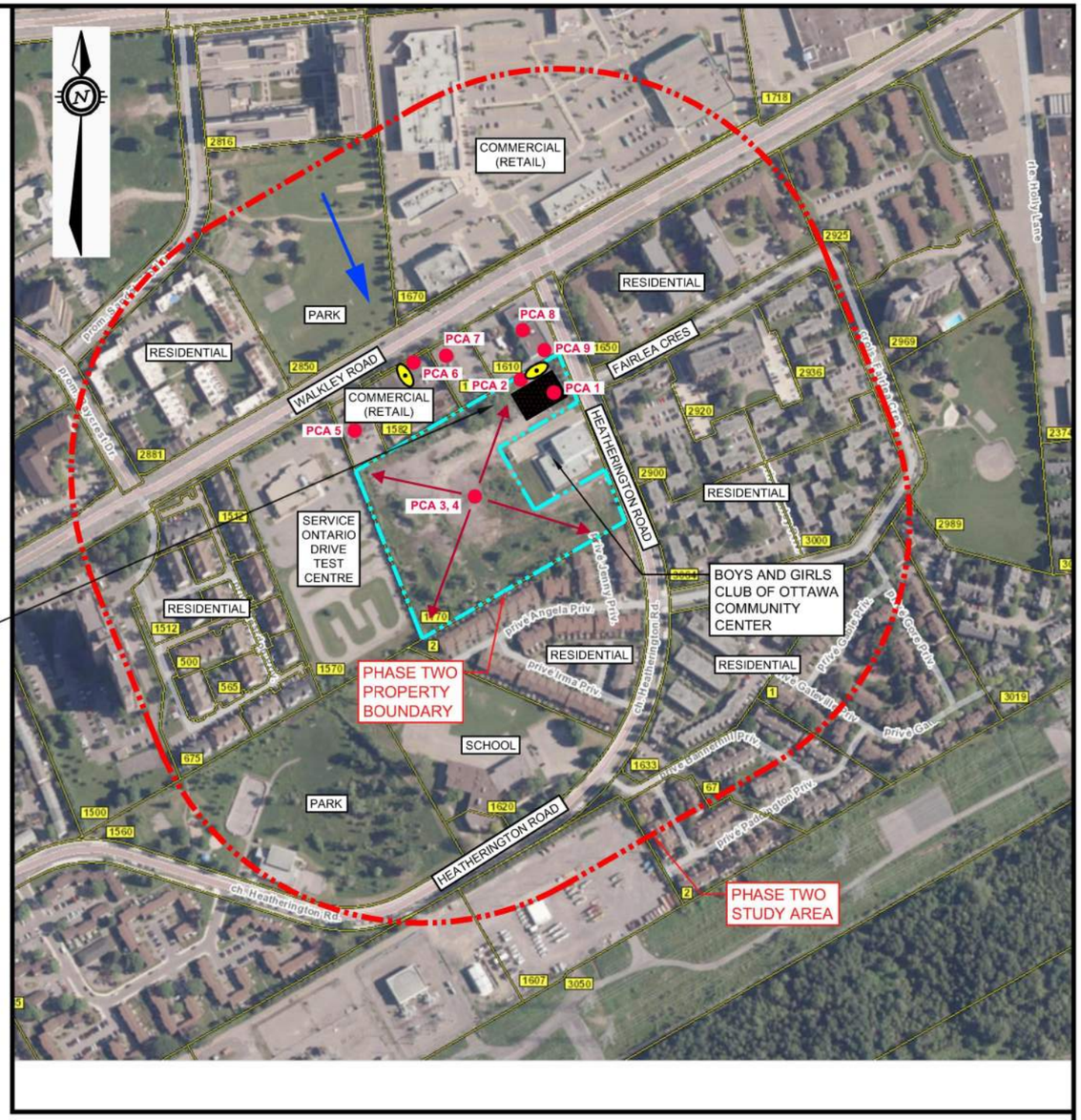
SCALE 1:1,500

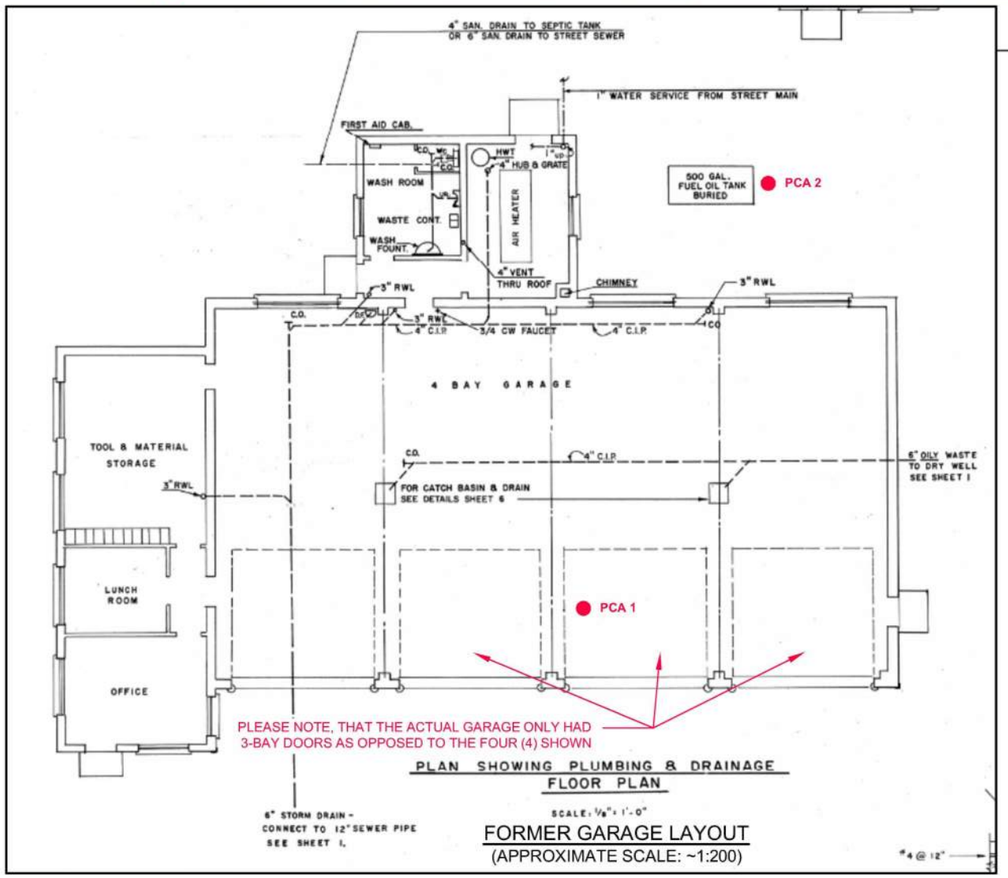
SKETCH NO

FIG 3C



FORMER SITE CONDITIONS
(SCALE: 1:1,500)





PLAN SHOWING PLUMBING & DRAINAGE
FLOOR PLAN
SCALE: 1/8" = 1'-0"

FORMER GARAGE LAYOUT
(APPROXIMATE SCALE: ~1:200)

PCA LIST DESCRIPTION:

- **PCA #1** – FORMER AUTO-MOTIVE GARAGE
- **PCA #2** – FORMER UST LOCATION
- **PCA #3** – STORAGE, PLACEMENT AND USE OF FILL MATERIALS OF UNKNOWN QUALITY (ENTIRE SITE)
- **PCA #4** – SALT STORAGE, APPROXIMATE AND IDENTIFIED SALT IMPACTS (ENTIRE SITE)
- **PCA #5** – FORMER BETTY BRITE DRY-CLEANERS (OFF-SITE)
- **PCA #6** – APPROXIMATE LOCATION OF FORMER UST (OFF-SITE)
- **PCA #7** – APPROXIMATE LOCATION OF FORMER TRIANGLE PUMP (OFF-SITE)
- **PCA #8** – LOCATION OF FORMER AUTO-MOTIVE DEALERSHIP (OFF-SITE)
- **PCA #9** – ASSUMED LOCATION OF FORMER MOTOR OIL SPILL (OFF-SITE)

LEGEND

- PROPERTY BOUNDARY
- STUDY AREA (250m)
- INFERRED GROUNDWATER FLOW DIRECTION
- PCA (CONTRIBUTES TO APEC)
- PCA DEMINIMIS (i.e., NOT CONTRIBUTING TO AN APEC)
- APPROXIMATE LOCATION OF FORMER ON-SITE GARAGE STRUCTURE
- APPROXIMATE LOCATION OF FORMER UST (1960 - 2012)

0 50m 100m 200m
HORIZONTAL 1:5,000

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DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

250 m STUDY AREA AND POTENTIALLY CONTAMINATING ACTIVITIES (PCA)

SCALE 1:5,000
SKETCH NO FIG 4

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
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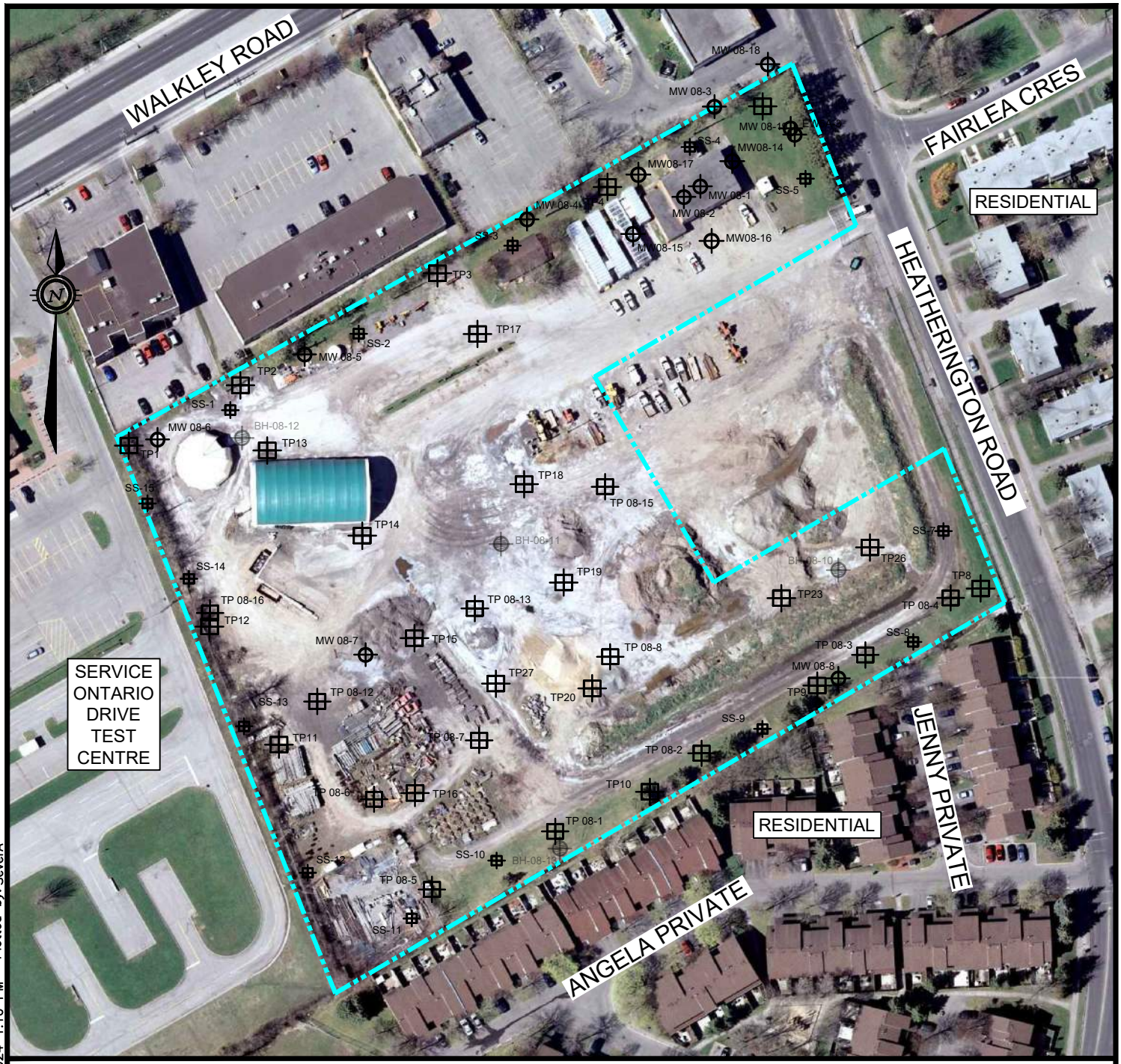

LEGEND

- PROPERTY BOUNDARY
- MW08-8 — MONITORING WELL BY JACQUES WHITFORD/EXP
- MW-08-11 — BOREHOLE BY EXP
- TP08-3 — TEST PIT
- SS-8 — SOIL SAMPLE

THE BACKGROUND IMAGE CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENSE - CITY OF OTTAWA. IMAGE FROM 2007

0 15m 30m 60m

HORIZONTAL 1:1500

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DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

HISTORICAL TEST PIT, MONITORING WELL AND BOREHOLE LOCATIONS

SCALE 1:1,500

SKETCH NO FIG 5

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293–J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293–J6_C100_Enviro Fig 1–8_2024.dwg
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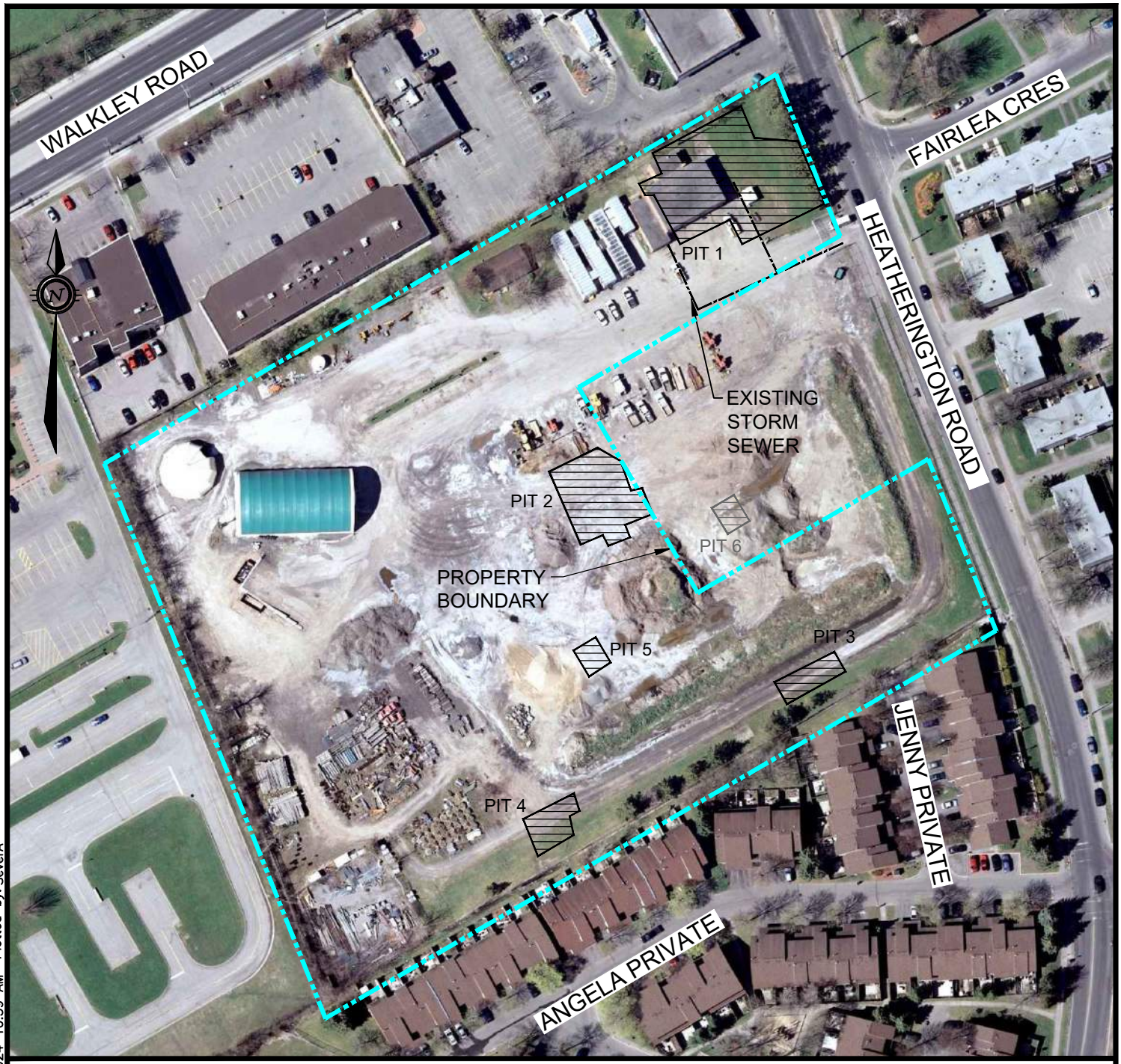

LEGEND

PROPERTY BOUNDARY	
PIT 5	EXP EXCAVATION AREA
PIT 6	*PIT 6 WAS COMPLETED OFF-SITE, AND IS SHOWN FOR REVIEWER REFERENCE.

0 15m 30m 60m

HORIZONTAL 1:1500

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FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

FORMER REMEDIATION BOUNDARY

SCALE 1:1,500

SKETCH NO FIG 6

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
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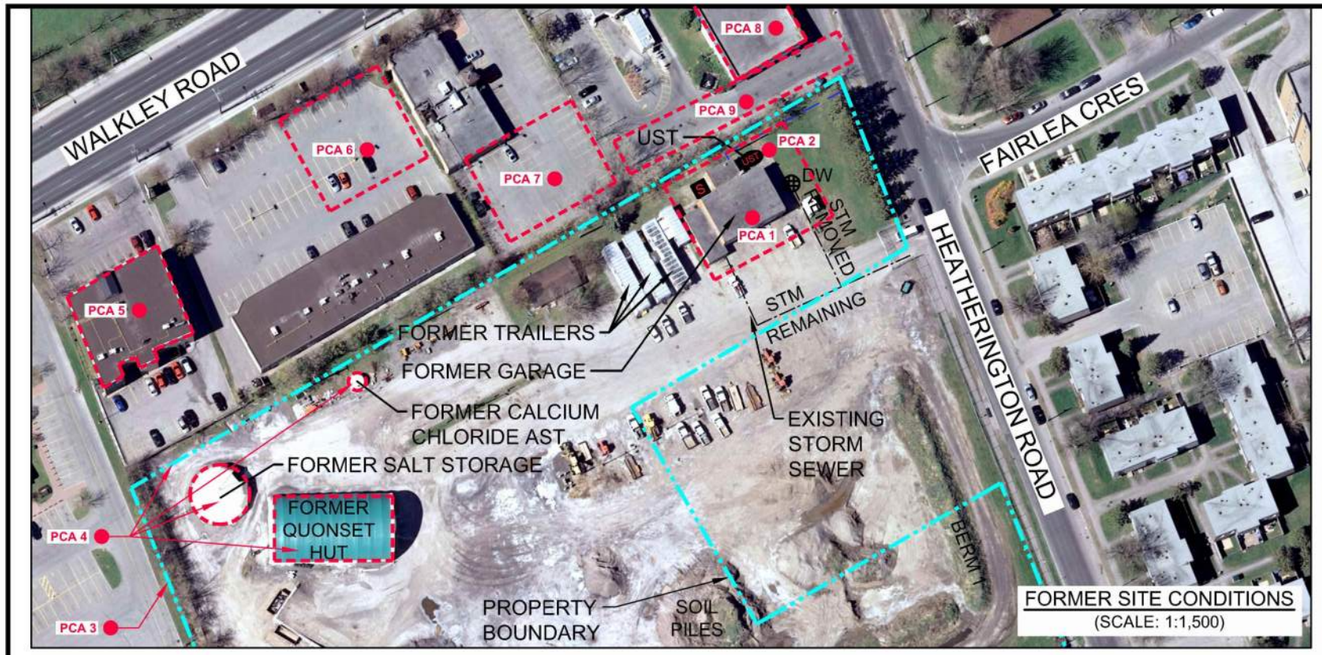
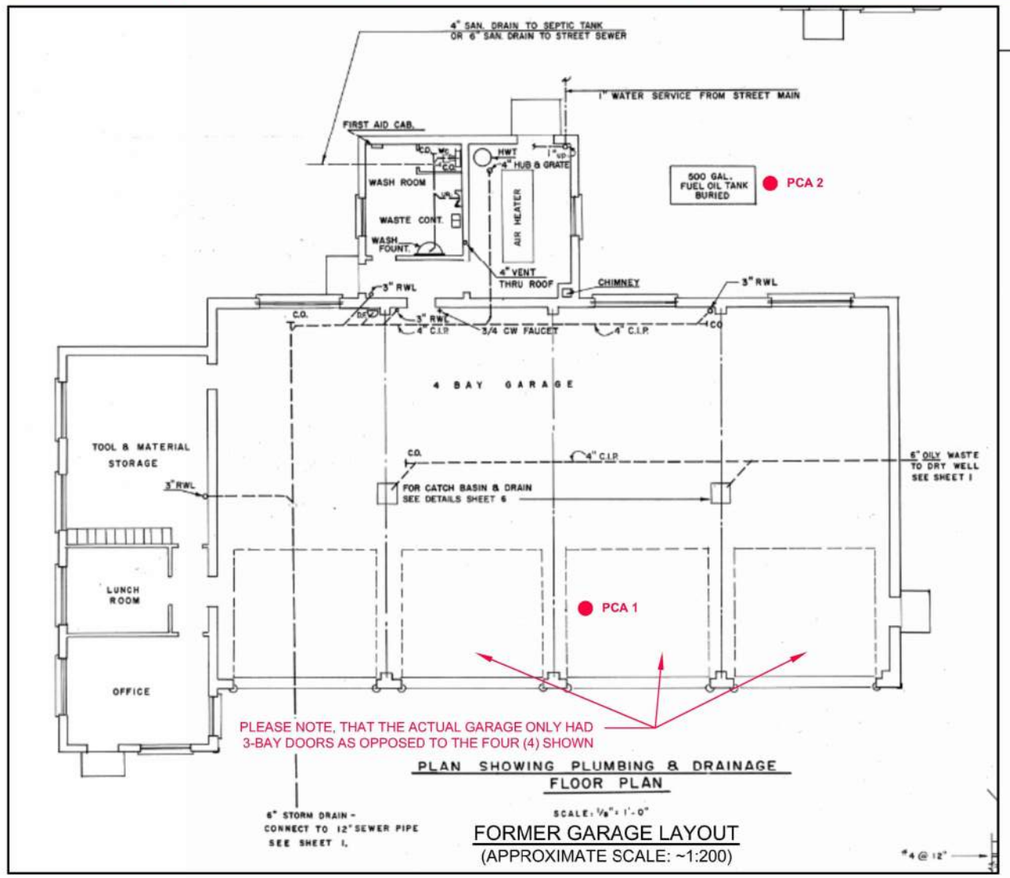


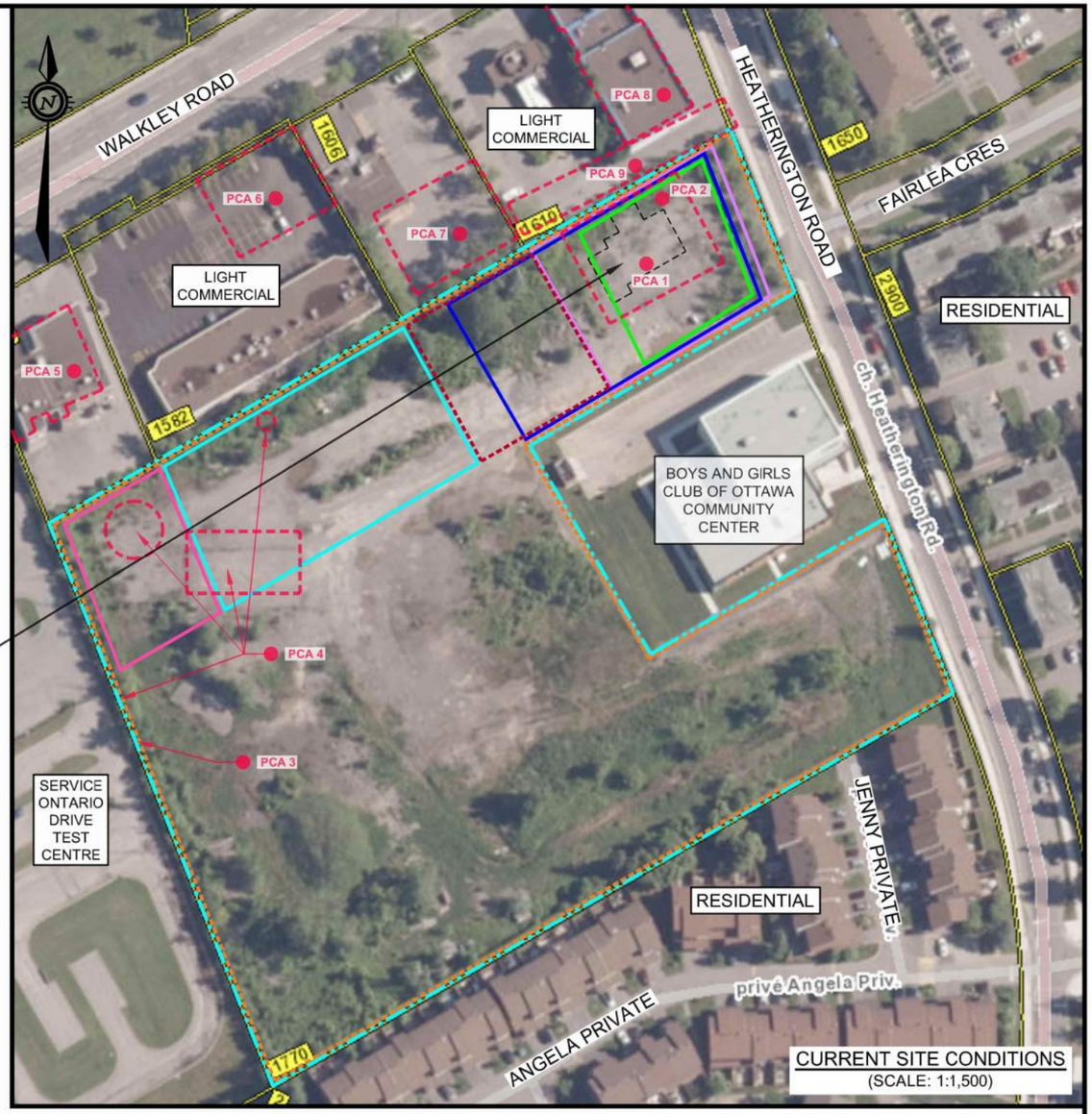
FORMER SITE CONDITIONS
(SCALE: 1:1,500)



FORMER GARAGE LAYOUT
(APPROXIMATE SCALE: ~1:200)

PCA (CONTRIBUTES TO APEC) LIST DESCRIPTION:

PCA #1 – FORMER AUTO-MOTIVE GARAGE
PCA #2 – FORMER UST LOCATION
PCA #3 – STORAGE, PLACEMENT AND USE OF FILL MATERIALS OF UNKNOWN QUALITY (ENTIRE SITE)
PCA #4 – SALT STORAGE, APPROXIMATE AND IDENTIFIED SALT IMPACTS (ENTIRE SITE)
PCA #5 – FORMER BETTY BRITE DRY-CLEANERS (OFF-SITE)
PCA #6 – APPROXIMATE LOCATION OF FORMER UST (OFF-SITE)
PCA #7 – APPROXIMATE LOCATION OF FORMER TRIANGLE PUMP (OFF-SITE)
PCA #8 – LOCATION OF FORMER AUTO-MOTIVE DEALERSHIP (OFF-SITE)
PCA #9 – ASSUMED LOCATION OF FORMER MOTOR OIL SPILL (OFF-SITE)



CURRENT SITE CONDITIONS
(SCALE: 1:1,500)

LEGEND

- PROPERTY BOUNDARY
- APEC 1 - FORMER ON-SITE STORAGE GARAGE
- APEC 2 - FORMER UST
- APEC 3 - FILL MATERIALS (ENTIRE SITE)
- APEC 4 - SALT STORAGE AND APPLICATION (ENTIRE SITE)
- APEC 5 - FORMER OFF-SITE DRY CLEANER
- APEC 6 - FORMER OFF-SITE REMEDIATION CONTRACTOR
- APEC 7 - FORMER OFF-SITE REMEDIATION CONTRACTOR
- APEC 8 - FORMER OFF-SITE AUTOMOTIVE SALES
- APEC 9 - FORMER OFF-SITE FUEL SPILL

0 15m 30m 60m
HORIZONTAL 1:1500

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DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
1770 Heatherington Road, Ottawa, Ontario

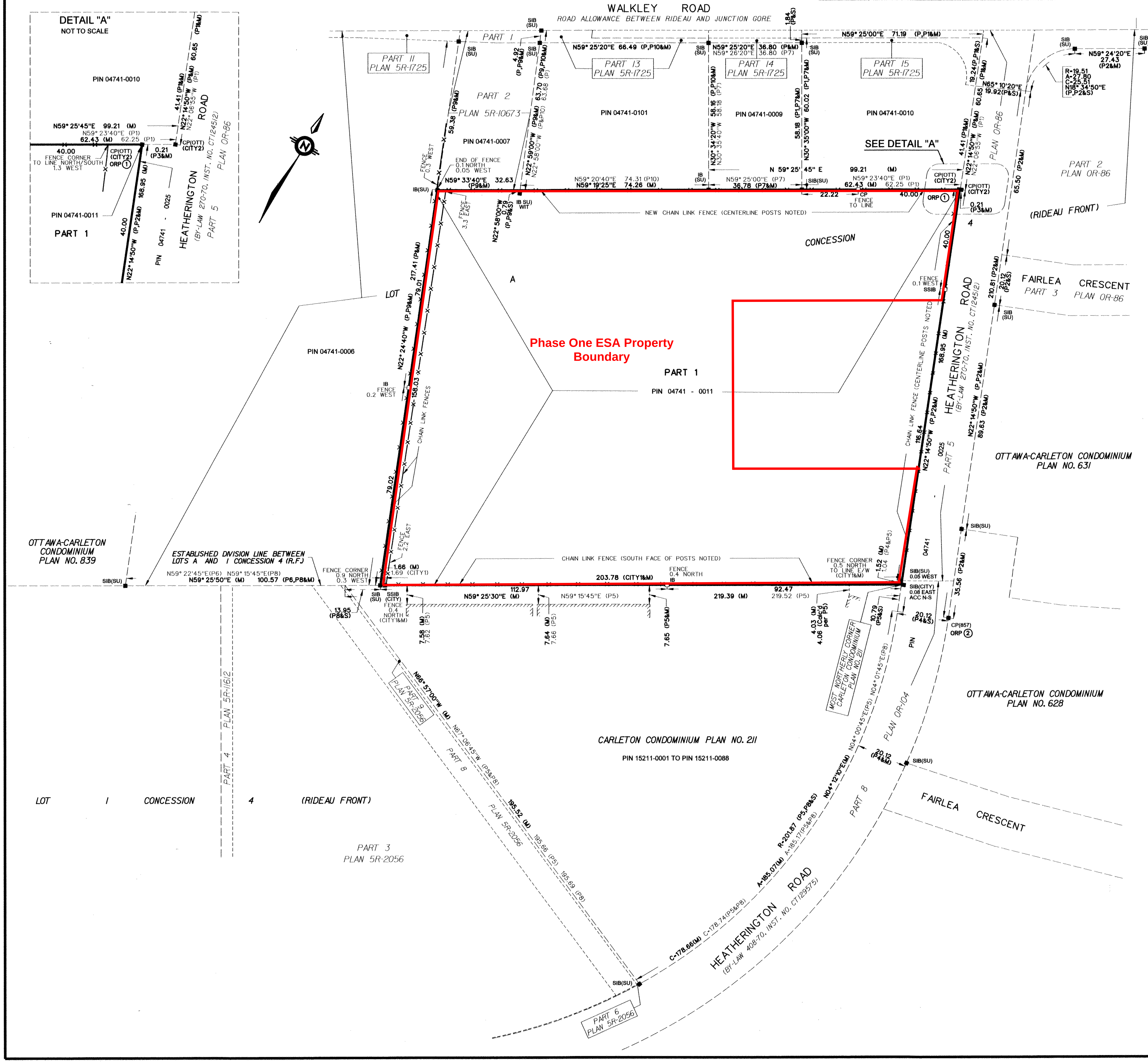
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)

SCALE 1:1,500
SKETCH NO FIG 7

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\18293-J6_C100_Enviro Fig 1-8_2024.dwg
Last Saved: Apr 9, 2024 1:08 PM Last Plotted: Apr 9, 2024 1:11 PM Plotted by: SeverA

Appendix C:
Legal Survey and Chain of Title

SCHEDULE				
PART	LOT	CON. / PLAN	PIN	AREA
1	PART OF A	4 (RIDEAU FRONT)	ALL OF PIN 04741-0011	3.2176 ha.



I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE MARCH 24, 2014

W.A. HARPER, O.L.S.

PLAN 4R- 27801

RECEIVED AND DEPOSITED

DATE march 26/14

"T. Robillard" representative for

LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON No. 4

PLAN OF SURVEY OF
PART OF LOT A
CONCESSION 4 (RIDEAU FRONT)
GEOGRAPHIC TOWNSHIP OF GLOUCESTER
CITY OF OTTAWA

SCALE - 1 : 750

15 0 15 30

(METRES)

METRIC

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

INTEGRATION DATA

COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE CAN-NET NETWORK AND ARE REFERRED TO ZONE 9 OF THE ONTARIO COORDINATE SYSTEM. (3° MTM NAD83 ORIGINAL)

COORDINATE VALUES HAVE BEEN DETERMINED TO URBAN ACCURACY IN ACCORDANCE WITH SECTION 14(2)OF O.REG.216/10.

ORP ID#	NORTHING	EASTING
1	5026719.46	371790.21
2	5026571.16	371872.61

CAUTION

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

NOTES AND LEGEND

BEARINGS SHOWN HEREON ARE GRID BEARINGS, DERIVED FROM THE SOUTH LIMIT OF PARTS 13 AND 14 SHOWN TO BE N59°25'20"E ON PLAN 5R-1725 AND ARE REFERRED TO THE CENTRAL MERIDIAN OF ZONE 9 OF THE ONTARIO COORDINATE SYSTEM, LONGITUDE 76°30' WEST. (3 ° MTM NAD 83 ORIGINAL)

FOR BEARING COMPARISONS, A ROTATION OF 0°37'45"W COUNTER CLOCKWISE WAS APPLIED TO PLANS 4R-16044, OR-86, OR-104, CC-211, 5R-11612 AND 5R-2056 TO CONVERT TO GRID BEARINGS

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999955

■	DENOTES SURVEY MONUMENT FOUND
□	DENOTES SURVEY MONUMENT PLANTED
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
IB	DENOTES IRON BAR
RIB	DENOTES ROUND IRON BAR
CP	DENOTES CONCRETE PIN
WIT	DENOTES WITNESS
SU	DENOTES SOURCE UNKNOWN
M	DENOTES MEASURED
S	DENOTES SET
▲	DENOTES CONTROL POINT
ORP ID#	DENOTES OBSERVED REFERENCE POINT IDENTIFICATION NUMBER
P	DENOTES PLAN 5R-1725
P1	DENOTES PLAN BY FARLEY, SMITH & MURRAY SURVEYING LTD., DATED DEC., 31, 1997
P2	DENOTES PLAN 4R-16044
P3	DENOTES PLAN OR-86
P4	DENOTES PLAN OR-104
P5	DENOTES CARLETON CONDOMINIUM PLAN 211
P6	DENOTES PLAN 5R-11612
P7	DENOTES PLAN BY FAIRHALL, MOFFATT & WOODLAND LTD., DATED SEPT. 07, 1990
P8	DENOTES PLAN 5R-2056
P9	DENOTES PLAN 5R-10673
P10	DENOTES PLAN BY FARLEY, SMITH & MURRAY SURVEYING LTD., DATED JAN. 12, 1988
CITY 1	DENOTES FIELD NOTES BY CITY OF OTTAWA, DATED NOV., 1977
CITY 2	DENOTES FIELD NOTES BY CITY OF OTTAWA, DATED SEPT. 20, 2012

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 15th DAY OF JANUARY, 2014.

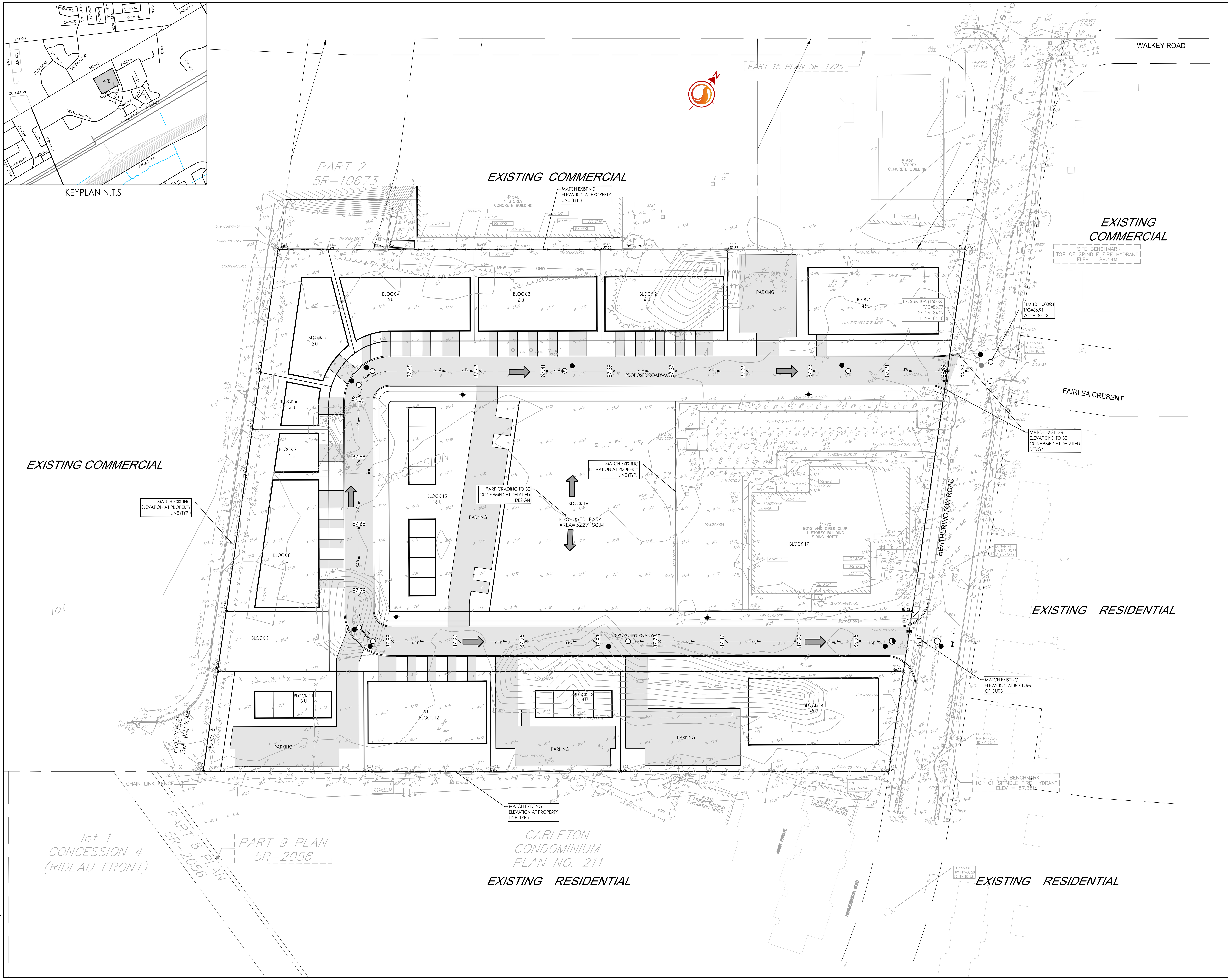
MARCH 24, 2014
DATE

BRIAN J. LYNCH
ONTARIO LAND SURVEYOR

Ottawa

INFRASTRUCTURE SERVICES DEPARTMENT
SURVEYS & MAPPING UNIT

PROJECT : 1770 HEATHERINGTON ROAD	FIELD WORK BY : G. CHARRON
CALC'D BY : B. MARTEL	FILE NO. 17527
C.A.D. BY : B. MARTEL	MS NO. 17527.dgn
CHECKED BY : B. LYNCH	DRAWING NO. 10346
PEN TABLE : NONE	DATE : OCT 07, 2013



Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

- ORIGINAL GROUND ELEVATION
- 102.25± PROPOSED ELEVATION
- 2.0% FLOW DIRECTION AND GRADE
- DIRECTION OF OVERLAND FLOW
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED O.G.S UNIT
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- EXISTING SUBDRAIN CATCHBASIN

Notes

1 ISSUED FOR DRAFT PLAN APPROVAL	JP	DT	23.11.15
Revision	By	Appd.	YY.MM.DD

File Name: 160401774-DB	JP	SGG	DT	23.10.18
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project
CITY OF OTTAWA

1770 HEATHERINGTON AVE.
DRAFT PLAN OF SUBDIVISION
Ottawa, ON

Title
FUNCTIONAL GRADING PLAN

Project No. 160401774
Scale 1:500

Drawing No. GP-1
Sheet 2 of 3
Revision 1

ORIGINAL SHEET - ARCH D

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

June 9, 2015

EXP
Attn: Kathy Radisch

Re: 1770 Heatherington

BRIEF DESCRIPTION OF LAND:

1770 Heatherington Road
Part lot A, Con 4 RF, as in OT35441
Except part 5 on OR86
PIN: 04741-0011

LAST REGISTERED OWNER: CITY OF OTTAWA

CHAIN OF TITLE:

Patent dated March 26, 1838
Crown to John Vent

Deed 3468 registered Aug 2, 1847
From Simon Fraser to Samuel Norton

Deed 5267 registered July 29, 1851
From P. Davy to Samuel Norton

Deed 5268 registered July 29, 1851
From Samuel Norton to Henry Last

Deed 7046 registered Feb 16, 1854
From Henry Last to Joseph Taylor

Deed 12537 registered June 5, 1858
From Henry Last to Joseph Taylor

Deed 494 registered Aug 4, 1870
From Joseph Taylor to George Chamberlain

Deed 508 registered Sept 1, 1870
From Joseph Taylor to George Chamberlain

Deed 1023 registered April 24, 1872
From Joseph Taylor to George Chamberlain

Quit Claim Deed 17293 registered March 20, 1903
From Ellen Doran and Edward Doran to Jane Chamberlain

Deed 19055 registered Aug 27, 1906
From Jane Chamberlain personally and as Executrix for George Chamberlain to Henry Halpenny and A. F. Halpenny

Tax Deed 38355 registered Oct 12, 1939
From Corporation of the County of Carleton to Duncan A. McIlraith

Deed 38814 registered Nov 19, 1940
From Duncan A. McIlraith to Julia Leck and John Leck

Mortgage 38815 registered Nov 19, 1940
From Julia Leck and John Leck to Jemima A. Dier

Foreclosure 39664 registered Sept 16, 1942
To Jemima A. Dier, surviving executor of estate of William Dier

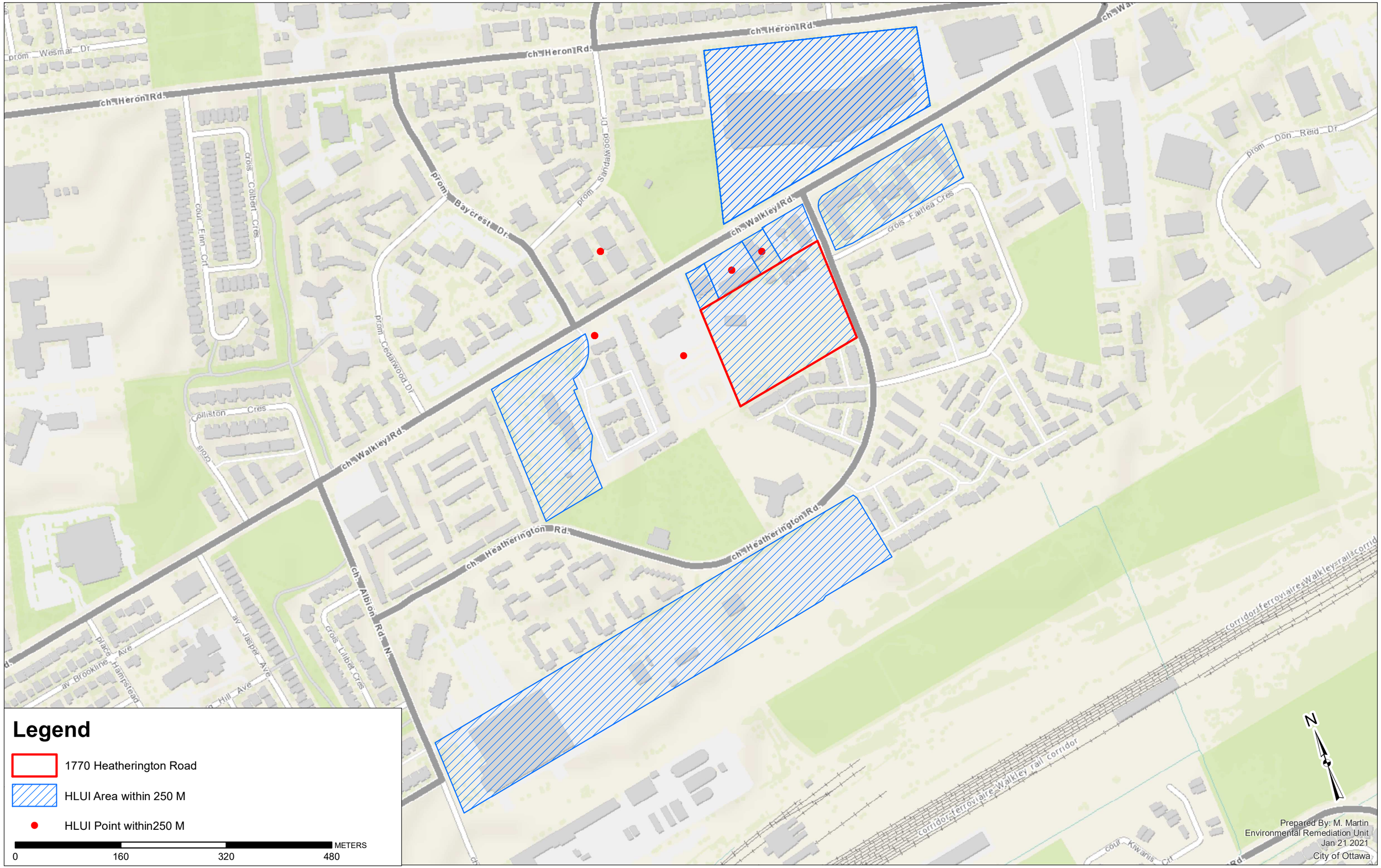
Deed 39690 registered Sept 29, 1942
From Jemima A. Dier, surviving executor of estate of William Dier to Duncan A. McIlraith

Deed 42822 registered Nov 13, 1946
From Duncan A. McIlraith to Ernest Leroux

Deed 35441 registered April 14, 1959
From Ernest Leroux to the Corporation of the City of Ottawa

Appendix D:
Municipal & Provincial Records

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



HLUI SUMMARY REPORT
POINT FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR	COMMENT
2523	DRIVER'S EXAMINATION CENTRE		UST	fuel oil	18160	Permit		Bylaw No. 304-60 VAH6100; 0090 - P2459	1570	WALKLEY	RD		address verified from dwg & geoottawa, Driver's Examination Centre - Walkley Rd
2651	MINTO CONSTRUCTION CO LTD		UST	fuel oil	4540	Permit		Bylaw No. 304-60 VAH6100; 0091 - P2262	2881	BAYCREST	DR		dwg shows tanks servicing townhome blocks address verified from dwg & geoottawa;, Block D Finn Farm Subdivision - NS Walkley Rd, E of Baycrest Dr, S of Sandalwood Dr
2652	MINTO CONSTRUCTION CO LTD		UST	fuel oil	4540	Permit		Bylaw No. 304-60 VAH6100; 0091 - P2262	2881	BAYCREST	DR		dwg shows tanks servicing townhome blocks address verified from dwg & geoottawa;, Block D Finn Farm Subdivision - NS Walkley Rd, E of Baycrest Dr, S of Sandalwood Dr
2653	MINTO CONSTRUCTION CO LTD		UST	fuel oil	4540	Permit		Bylaw No. 304-60 VAH6100; 0091 - P2262	2881	BAYCREST	DR		dwg shows tanks servicing townhome blocks address verified from dwg & geoottawa;, Block D Finn Farm Subdivision - NS Walkley Rd, E of Baycrest Dr, S of Sandalwood Dr
2654	MINTO CONSTRUCTION CO LTD		UST	fuel oil	4540	Permit		Bylaw No. 304-60 VAH6100; 0091 - P2262	2881	BAYCREST	DR		dwg shows tanks servicing townhome blocks address verified from dwg & geoottawa;, Block D Finn Farm Subdivision - NS Walkley Rd, E of Baycrest Dr, S of Sandalwood Dr
2884	TRIANGLE PUMP SERVICE		UST	gasoline	9080	Permit		Bylaw No. 304-60 VAH6000; WALK 01606 - P2489	1606	WALKLEY	RD		and pump, 1606 Walkley Rd
2890	SAVEWAY GAS & FUELS LTD		UST	gasoline	13620	Permit		Bylaw No. 304-60 VAH6000; WALK 01594 - P2909	1582	WALKLEY	RD		
2891	SAVEWAY GAS & FUELS LTD		UST	gasoline	22700	Existing	Active	Bylaw No. 304-60 VAH6000; WALK 01594 - P2909	1582	WALKLEY	RD		
2892	SAVEWAY GAS & FUELS LTD		UST	gasoline	22700	Existing	Active	Bylaw No. 304-60 VAH6000; WALK 01594 - P2909	1582	WALKLEY	RD		
2893	SAVEWAY GAS & FUELS LTD		UST	gasoline	13620	Existing	Active	Bylaw No. 304-60 VAH6000; WALK 01594 - P2909	1582	WALKLEY	RD		
3143			UST	motor oil	13620	Permit		Bylaw No. 304-60 - P - none issued	1606	WALKLEY	RD		
3144			UST	motor oil	13620	Existing	Not active-removed	Bylaw No. 304-60 - P - none issued	1606	WALKLEY	RD		
9294	SUNYS PETROLEUM INC	Gasoline Station-FS		gasoline	25000	Cancelled	Current	GW Study 2004	1594	WALKLEY	RD	<Null>	1594 WALKLEY RD
9295	SUNYS PETROLEUM INC	Gasoline Station-FS		gasoline	25000	Cancelled	Current	GW Study 2004	1594	WALKLEY	RD	<Null>	1594 WALKLEY RD
9296	SUNYS PETROLEUM INC	Gasoline Station-FS		gasoline	35000	Cancelled	Current	GW Study 2004	1594	WALKLEY	RD	<Null>	1594 WALKLEY RD
9925	SUNYS PETROLEUM INC	Gasoline Station-FS		other	25000	Cancelled	Current	GW Study 2004	1594	WALKLEY	RD	<Null>	1594 WALKLEY RD

Prepared By: *D.Kiar*
City of Ottawa
Environmental Remediation Unit
12/2/2022

HLUI SUMMARY REPORT
POINT FEATURES

MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY	IMAGE_MAP_2	TANK_MATERIAL	TANK_ID	TANK_LEAKING	TANK_REMOVED	REMOVED_DATE	DATE_INSTALLED	NATURE_OF_BUSINESS	SCANNED_DRAWING	TEMPRecordID	CAPACITY_UOM	MUNICIPALITY	POSTCODE
371587.6371	5026545.537	FR300-VAH6100-0090_003.jpg	2			ST3961				22/05/1969		Yes				
371461.2548	5026703.422	FR300-VAH6100-0091_002.jpg	1			ST3830				29/06/1966		Yes				
371461.2548	5026703.422	FR300-VAH6100-0091_002.jpg	1			ST4813				29/06/1966		Yes				
371461.2548	5026703.422	FR300-VAH6100-0091_002.jpg	1			ST5185				29/06/1966		Yes				
371461.2548	5026703.422	FR300-VAH6100-0091_002.jpg	1			ST5415				29/06/1966		Yes				
371706.0388	5026703.559	FR300-VAH6000-WALK 01606_003.jpg	1			ST4530				26/09/1969		Yes				
371660.1587	5026675.784	FR300-VAH6000-WALK 01594_003.jpg	1			ST4536				08/07/1976		Yes				
371660.1587	5026675.784	FR300-VAH6000-WALK 01594_003.jpg	1			ST4535	N	N		14/10/1971		Yes				
371660.1587	5026675.784	FR300-VAH6000-WALK 01594_003.jpg	1			ST5087	N	N		14/10/1971		Yes				
371660.1587	5026675.784	FR300-VAH6000-WALK 01594_003.jpg	1			ST5351	N	N		14/10/1971		Yes				
371706.0388	5026703.559					ST4596				27/08/1973						
371706.0388	5026703.559					ST6131	Y	Y	1973-008-27 0:00:00							
371452.5701	5026576.282									19830401	Retail		1436	L	OTTAWA	K1V 6P5
371452.5701	5026576.282									19830401	Retail		1437	L	OTTAWA	K1V 6P5
371452.5701	5026576.282									19830401	Retail		1438	L	OTTAWA	K1V 6P5
371452.5701	5026576.282									19830401	Retail		2654	L	OTTAWA	K1V 6P5

HLUI SUMMARY REPORT
AREA FEATURES

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
10995	J & J WINE	Manufacturing	2006-ES	1			1574	WALKLEY	RD			1574	WALKLEY
11022	SINGER SEWING MACHINES	Other services (except public administration)	2006-ES	1			1670	HERON	RD			1670	HERON
12244	TRIANGLE PUMP SERVICE	Industrial Construction (Other Than Buildings)	1960-M; 1970-M	1	1960-1970	c. 1960-1970	1606	WALKLEY	RD		OTTAWA	1606	WALKLEY
12245	CITY OF OTTAWA (OPERATIONS BRANCH)	General Administrative Services	1994-PID; 2001-ES; 2003-PID; 2016-PID	1	1994-2016	1994-2016	1770	HEATHERINGTON	RD		OTTAWA	1770	HEATHERINGTON
12246	CITY OF OTTAWA YARD - WALKLEY RD	General Administrative Services	1970-M; 1980-M	2	1970-1980	c. 1970-1980	0	WALKLEY	RD		OTTAWA	1650	WALKLEY
14058	OTTAWA HYDRO	Transformer	1962-Topo-31G05b; 1967-1995-M; 1968; 1979-Topo	1	1967-1995		3025	ALBION	RD	NORTH	OTTAWA	3025	ALBION
16211	POLMARK APPLIANCE CARE	Appliance, Television, Radio and Stereo Stores	2001-ES	1	2001	c. 2001	1500	WALKLEY	RD		OTTAWA	1500	WALKLEY
16253	DATSUN LIMITED	Motor Vehicle Repair Shops	1980-M	1	1980	c. 1980	1620	WALKLEY	RD		OTTAWA	1610	WALKLEY
16254	SAVEWAY GAS BAR	Gasoline Service Stations	1980-M; 1990-CD	1	1980-1990	1980-1990	1594	WALKLEY	RD		OTTAWA	1582	WALKLEY
16255	BETTY BRITE CLEANERS	Laundries and Cleaners	1994-PID; 1998-SC	1	1994-1998	c. 1994-1998	1574	WALKLEY	RD		OTTAWA	1574	WALKLEY
16538	BLACKS PHOTOGRAPHY	Prints	1990-CD; 2001-ES	1	1990	CD 1990	1670	HERON	RD			1670	HERON
16539	CAPITAL DRY CLEANERS	Other	2001-ES; 2006-ES; 2012-ES	1	2001-2012	ES 2001; ES 2006; ES 2012	1670	HERON	RD			1670	HERON
16540	GREAT ATLANTIC & PACIFIC CO OF CDALTD	Camera and Photographic Supply Stores	2000-PID	1	2000	c. 2000; c. 2001; c. 2005	1670	HERON	RD		OTTAWA	1670	HERON
16541	SHADIK CAPITAL DRYCLEANERS LIMITED	Laundries and Cleaners	1994-PID; 1998-SC; 2000-PID; 2003-PID	1	1994-2000	c. 1994; c. 1998; c. 2000; c. 2001; c. 2003	1670	HERON	RD		OTTAWA	1670	HERON
16542	COZY HOME FURNITURE	Household Furniture Stores	2001-ES; 2006-ES; 2012-ES	1	2001	c. 2001	1670	HERON	RD		OTTAWA	1670	HERON

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE 2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
10995	RD		K1V6P5	47410007	OLD OTTAWA	312130				182.7673191	1887.609671
11022	RD		K1V0C2	41510312	OLD OTTAWA	811412				1071.94857	63278.10719
12244	RD		K1V6P5	47410009	OLD OTTAWA	237110; 237120; 237310; 332991; 333110; 333120; 333130; 333210; 333220; 333291; 333299; 333611; 333910; 335990; 336120; 336211; 336510; 415310; 418110; 418190	319; 411; 591			189.8291339	2138.354277
12245	RD			47410011	OLD OTTAWA	493120; 493130; 493190; 913910	479; 835			727.4838614	32172.01597
12246	RD		K1V8T6	47410024	OLD OTTAWA	811112; 811119; 811121; 913910	635; 835	no evidence of a city yard in air photos reviewed		612.3393067	19270.44145
14058	RD	N	K1V9V9	47410017	Old Ottawa					1720.933823	84870.69052
16211	RD		K1V0H8	47410004	OLD OTTAWA	811412				737.3101457	25898.46776
16253	RD		K1V6P5	47410010	OLD OTTAWA	811112; 811119; 811121	635			254.2021712	4006.633988
16254	RD		K1V6P5	47410101	OLD OTTAWA	447110; 447190; 811199	633			257.6555706	4095.104148
16255	RD		K1V6P5	47410007	OLD OTTAWA	561740; 812310; 812320; 812330	972	Generator #ON0318803 (waste generator)		182.7673191	1887.609671
16538	RD		K1V0C2	41510312	OLD OTTAWA					1071.94857	63278.10719
16539	RD		K1V0C2	41510312	OLD OTTAWA	811412; 812310; 812320				1071.94857	63278.10719
16540	RD		K1V0C2	41510312	OLD OTTAWA	443130; 812922		A & P SUPER FRESH #386		1071.94857	63278.10719
16541	RD		K1V0C2	41510312	OLD OTTAWA	561740; 812310; 812320; 812330	972			1071.94857	63278.10719
16542	RD		K1V0C2	41510312	OLD OTTAWA	442110				1071.94857	63278.10719

Appendix E:
EcoLog Report, Topographic Map & City Directories

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase One ESA - 1770 Heatherington* *1770 Heatherington Road* *Ottawa ON K1V 8T8*
Project No:	*OTT-00018293-J5, 100, Task 5*
Report Type:	*Standard Report*
Order No:	*21020800093*
Requested by:	*exp Services Inc.*
Date Completed:	*February 11, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase One ESA - 1770 Heatherington* *1770 Heatherington Road Ottawa ON K1V 8T8*
Project No:	*OTT-00018293-J5, 100, Task 5*

Coordinates:

Latitude:	*45.3762509*
Longitude:	*-75.6454715*
UTM Northing:	*5,024,951.11*
UTM Easting:	*449,461.04*
UTM Zone:	*18T*

Elevation: *288 FT*
87.88 M

Order Information:

Order No:	*21020800093*
Date Requested:	*February 8, 2021*
Requested by:	*exp Services Inc.*
Report Type:	*Standard Report*

Historical/Products:

City Directory Search	*CD - Subject Site plus 250m Radius*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
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	3	3
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	8	10
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	4	4
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	4	4
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	12	11	23
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	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
NPRI	National Pollutant Release Inventory	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
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
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	0	5	5
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	16	6	22
	Total:		30	47	77

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	OTTAWA, CITY OF-OPERATIONS BRANCH	CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-/0.0	0.00	26
1	GEN	OTTAWA, CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-/0.0	0.00	26
1	GEN	OTTAWA, CITY OF-OPERATIONS BRANCH 29-165	CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-/0.0	0.00	26
1	GEN	OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-/0.0	0.00	27
1	EHS		1770 Heatherington Road Ottawa ON	-/0.0	0.00	27
1	GEN	OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-/0.0	0.00	27
1	GEN	OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-/0.0	0.00	28
1	GEN	OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-/0.0	0.00	28
1	GEN	OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-/0.0	0.00	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		1770 Heatherington Rd Ottawa ON K1V8T8	-/0.0	0.00	29
1	GEN	City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-/0.0	0.00	29
1	GEN	City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-/0.0	0.00	30
1	GEN	City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-/0.0	0.00	30
1	GEN	City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-/0.0	0.00	30
2	WWIS		1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248684	E/18.0	0.00	31
3	WWIS		1770 HEATHERINGTON DR. Ottawa ON ***Well ID:*** 7130023	WSW/21.2	0.00	34
4	WWIS		1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102089	NNW/59.8	0.00	37
5	WWIS		1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248689	NE/61.3	0.00	40

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
6	WWIS		1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102092	NE/80.0	0.00	43
7	WWIS		1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248687	W/90.1	0.00	46
9	WWIS		1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248718	W/92.2	0.00	49
10	WWIS		1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102085	SE/92.7	0.00	52
12	WWIS		1770 HEATHERINGTON DR. Ottawa ON ***Well ID:*** 7130024	E/95.1	0.00	56
13	WWIS		1770 HEATHERINGTON OTTAWA ON ***Well ID:*** 7266269	ESE/96.0	0.00	58
14	WWIS		1770 HEATHENNGTON ROAD OTTAWA ON ***Well ID:*** 7199621	ENE/98.3	0.00	61
15	WWIS		1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248717	ESE/99.0	0.00	64
16	WWIS		1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248688	S/99.1	0.00	68
17	WWIS		1770 HEATHERINGTON RD. OTTAWA ON	NE/103.1	0.00	71

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			Well ID: 7102090			
18	WWIS		1770 HEATHERINGTON ROAD lot A con 4 OTTAWA ON ***Well ID:*** 7198794	NE/111.2	0.00	74
19	WWIS		1770 HEATHERINGTON RD. Ottawa ON ***Well ID:*** 7116116	NE/112.6	0.00	76

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
8	WWIS		1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102091	NNE/91.3	0.00	81
11	SPL	PRIVATE RESIDENCE	REAR OF PLAZA AT 1582 WALKLEY RD GARBAGE BIN AREA (N.O.S.) OTTAWA CITY ON K1V 6P5	NW/94.0	0.69	84
20	GEN	BETTY BRITE CLEANERS	1574 WALKLEY ROAD C/O 218 LAURIER AVENUE EAST OTTAWA ON K1V 6P5	WNW/113.3	0.32	84
20	GEN	BETTY BRITE CLEANERS	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW/113.3	0.32	85
20	GEN	BETTY BRITE CLEANERS 05-390	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW/113.3	0.32	85
20	GEN	STARLIGHT BUILDING CLEANING SERVIC	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW/113.3	0.32	85
20	GEN	STARLIGHT BUILDING CLEANING SERVICES	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW/113.3	0.32	86
20	EHS		1574-1576 Walkley Road Ottawa ON	WNW/113.3	0.32	86
21	WWIS		1770 HEATHERINGTON RD. Ottawa ON ***Well ID:*** 7110645	NE/114.8	0.00	86
22	WWIS		1770 SEATHERINGTON Ottawa ON ***Well ID:*** 7205197	NE/115.9	0.00	89
23	PRT	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	NW/121.4	1.00	92
23	DTNK	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW/121.4	1.00	92

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	DTNK	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW/121.4	1.00	93
23	DTNK	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW/121.4	1.00	93
23	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	93
23	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	94
23	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	94
23	EXP	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	94
23	FST	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	95
23	FST	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	95
23	FST	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	96
23	FST	SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW/121.4	1.00	96
24	CA	TDL GROUP LIMITED	1620 WALKLEY RD., TIM HORTON'S OTTAWA CITY ON K1V 6P5	NNE/123.3	0.25	97
25	SPL	City of Ottawa	1602 Walkley RD Ottawa ON	NNW/123.5	1.00	97

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	WWIS		5310 GYPLORE DR. MISSISSAUGA ON ***Well ID:*** 7154090	WNW/130.1	1.00	97
27	WWIS		ON ***Well ID:*** 1508970	WNW/130.7	1.00	100
28	BORE		ON	WNW/130.8	1.00	103
29	EHS		1620 Walkley Rd Ottawa ON K1V6P5	NNE/132.0	0.25	104
30	WWIS		1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248685	NNE/141.8	0.07	104
31	SPL	PRIVATE OWNER	78 IRMA ST. MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1V 0E7	SE/148.3	-1.00	107
32	SPL	NISSAN	WALKLEY & HEATHERINGTON STS. WALKLEY YARD DEALERSHIP OTTAWA CITY ON	NNE/187.5	1.00	108
33	GEN	Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW/192.5	1.00	108
33	GEN	Pharma Plus Drugmarts Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW/192.5	1.00	109
33	GEN	Pharma Plus Drugmarts Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW/192.5	1.00	109
33	GEN	Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW/192.5	1.00	109
33	GEN	Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW/192.5	1.00	109
34	EHS		2916 - 3504 Fairlea Crescent Ottawa ON	ENE/208.4	0.00	110

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	EHS		2920 Fairlea Cres Ottawa ON K1V8T9	ENE/232.0	0.00	110
36	EHS		2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE/232.0	0.00	110
36	EHS		2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE/232.0	0.00	110
36	EHS		2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE/232.0	0.00	111
36	GEN	Timbercreek Asset Management	2920 FAIRLEA CRESCENT OTTAWA ON	ENE/232.0	0.00	111
37	CA	OTTAWA CITY-WALKLEY ARENA COMPLEX	1533 WALKLEY ROAD OTTAWA CITY ON	W/239.2	0.31	111
38	BORE		ON	SSE/239.2	-1.00	111
39	EHS		Sandalwood Park 2850 Sandalwood Drive Ottawa ON	NW/249.2	1.00	113
40	ECA	Ottawa Community Housing Corporation	1660, 1670, 1680 Walkley Road Ottawa ON K1H 1A9	NE/249.6	0.00	113
41	SPL	1258963 Ontario Inc., operating as Condominium Management	Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	W/249.8	0.00	114

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WNW	130.76	28

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	SSE	239.24	38

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.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
TDL GROUP LIMITED	1620 WALKLEY RD., TIM HORTON'S OTTAWA CITY ON K1V 6P5	NNE	123.27	24
OTTAWA CITY-WALKLEY ARENA COMPLEX	1533 WALKLEY ROAD OTTAWA CITY ON	W	239.18	37

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Jul 31, 2020 has found that there are 3 DTNK site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW	121.39	23

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON	NW	121.39	23

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2020 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa Community Housing Corporation	1660, 1670, 1680 Walkley Road Ottawa ON K1H 1A9	NE	249.63	40

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 10 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1770 Heatherington Rd Ottawa ON K1V8T8	-	0.00	1
	1770 Heatherington Road Ottawa ON	-	0.00	1
	1574-1576 Walkley Road Ottawa ON	WNW	113.32	20
	1620 Walkley Rd Ottawa ON K1V6P5	NNE	131.97	29
	2916 - 3504 Fairlea Crescent Ottawa ON	ENE	208.37	34
	2920 Fairlea Cres Ottawa ON K1V8T9	ENE	231.99	35

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE	232.00	36
	2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE	232.00	36
	2920 Fairlea Crescent Ottawa ON K1V 8T9	ENE	232.00	36
	Sandalwood Park 2850 Sandalwood Drive Ottawa ON	NW	249.17	39

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Jul 31, 2020 has found that there are 4 EXP site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 4 FST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	NW	121.39	23

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 23 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
OTTAWA, CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-	0.00	1
OTTAWA, CITY OF-OPERATIONS BRANCH	CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-	0.00	1
City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-	0.00	1
City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-	0.00	1
City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-	0.00	1
OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-	0.00	1
OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-	0.00	1

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-	0.00	1
OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON	-	0.00	1
OTTAWA, CORPORATION OF THE CITY OF	1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-	0.00	1
OTTAWA, CITY OF-OPERATIONS BRANCH 29-165	CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	-	0.00	1
City of Ottawa	1770 Heatherington Road Ottawa ON K1H 8K7	-	0.00	1
BETTY BRITE CLEANERS 05-390	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW	113.32	20
STARLIGHT BUILDING CLEANING SERVICES	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW	113.32	20
BETTY BRITE CLEANERS	1574 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW	113.32	20
BETTY BRITE CLEANERS	1574 WALKLEY ROAD C/O 218 LAURIER AVENUE EAST OTTAWA ON K1V 6P5	WNW	113.32	20
STARLIGHT BUILDING CLEANING SERVIC	1576 WALKLEY ROAD OTTAWA ON K1V 6P5	WNW	113.32	20
Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW	192.50	33

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Pharma Plus Drugmarts Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW	192.50	33
Pharma Plus Drugmarts Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW	192.50	33
Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW	192.50	33
Rexall Pharmacy Group Ltd	1725 Walkley Road Unit C Ottawa ON K1V 2P6	NNW	192.50	33
Timbercreek Asset Management	2920 FAIRLEA CRESCENT OTTAWA ON	ENE	232.00	36

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SUNYS PETROLEUM INC	1594 WALKLEY RD OTTAWA ON K1V 6P5	NW	121.39	23

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 5 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
PRIVATE RESIDENCE	REAR OF PLAZA AT 1582 WALKLEY RD GARBAGE BIN AREA (N.O.S.) OTTAWA CITY ON K1V 6P5	NW	93.95	11
City of Ottawa	1602 Walkley RD Ottawa ON	NNW	123.52	25
NISSAN	WALKLEY & HEATHERINGTON STS. WALKLEY YARD DEALERSHIP OTTAWA CITY ON	NNE	187.50	32

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
1258963 Ontario Inc., operating as Condominium Management	Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	W	249.76	41

Lower Elevation	Address	Direction	Distance (m)	Map Key
PRIVATE OWNER	78 IRMA ST. MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1V 0E7	SE	148.30	31

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 22 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248684	E	17.96	2
	1770 HEATHERINGTON DR. Ottawa ON ***Well ID:*** 7130023	WSW	21.18	3
	1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102089	NNW	59.81	4
	1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248689	NE	61.29	5
	1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102092	NE	80.02	6
	1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248687	W	90.06	7
	1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102091	NNE	91.33	8

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248718	W	92.24	9
	1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102085	SE	92.71	10
	1770 HEATHERINGTON DR. Ottawa ON ***Well ID:*** 7130024	E	95.07	12
	1770 HEATHERINGTON OTTAWA ON ***Well ID:*** 7266269	ESE	95.99	13
	1770 HEATHENNGTON ROAD OTTAWA ON ***Well ID:*** 7199621	ENE	98.31	14
	1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248717	ESE	99.05	15
	1770 HEATHERINGTON Ottawa ON ***Well ID:*** 7248688	S	99.13	16
	1770 HEATHERINGTON RD. OTTAWA ON ***Well ID:*** 7102090	NE	103.14	17
	1770 HEATHERINGTON ROAD lot A con 4 OTTAWA ON ***Well ID:*** 7198794	NE	111.19	18
	1770 HEATHERINGTON RD. Ottawa ON ***Well ID:*** 7116116	NE	112.57	19
	1770 HEATHERINGTON RD. Ottawa ON ***Well ID:*** 7110645	NE	114.84	21
	1770 SEATHERINGTON Ottawa ON	NE	115.90	22

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 7205197			
	5310 GYPLORE DR. MISSISSAUGA ON ***Well ID:*** 7154090	WNW	130.13	26
	ON ***Well ID:*** 1508970	WNW	130.66	27
	1770 HEATHERINGTON ROAD Ottawa ON ***Well ID:*** 7248685	NNE	141.83	30

Map : 0.25 Kilometer Radius

Order Number: 21020800093

Address: 1770 Heatherington Road, Ottawa, ON

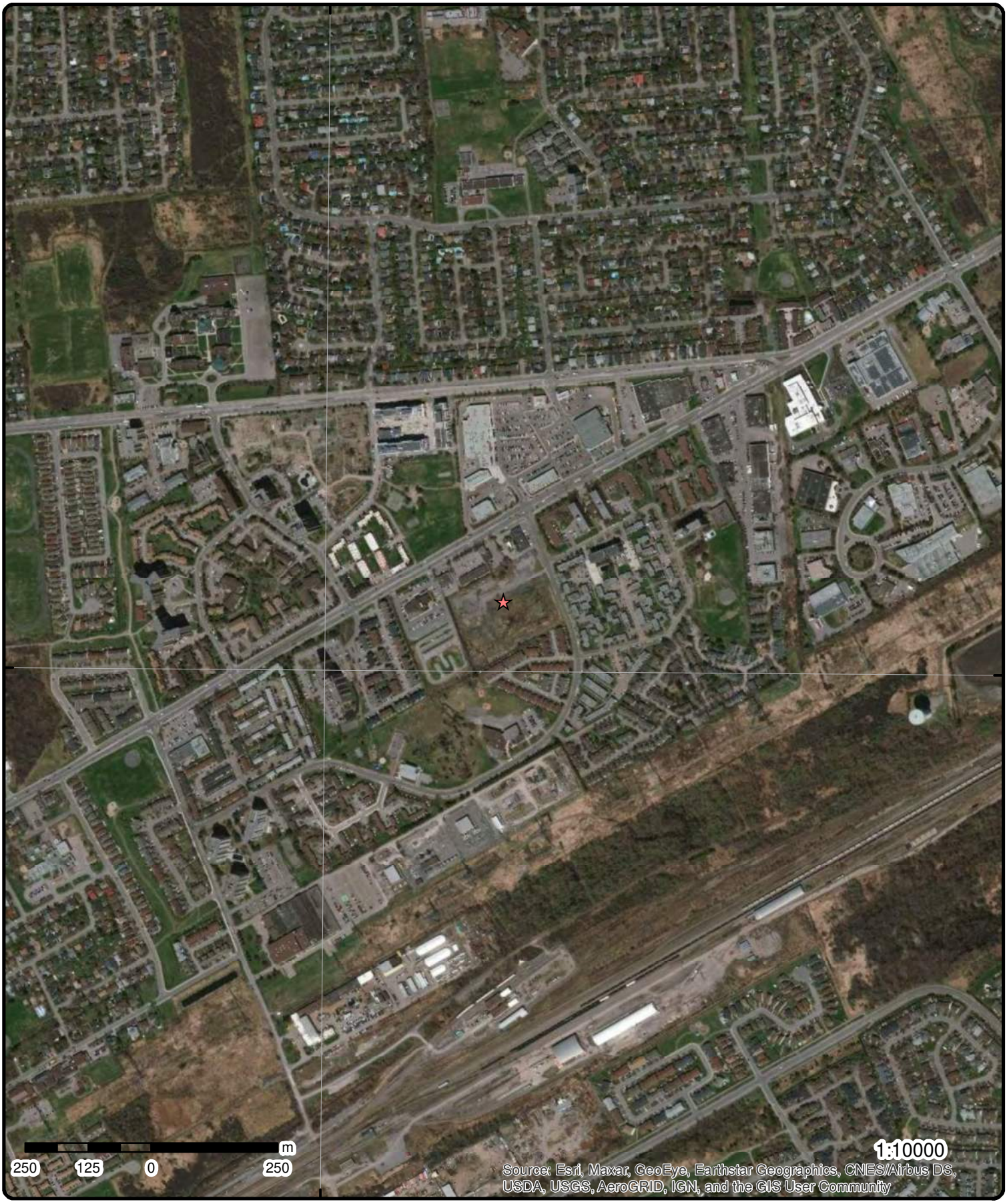
ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

75°39'W

45°22'30"N

45°22'30"N



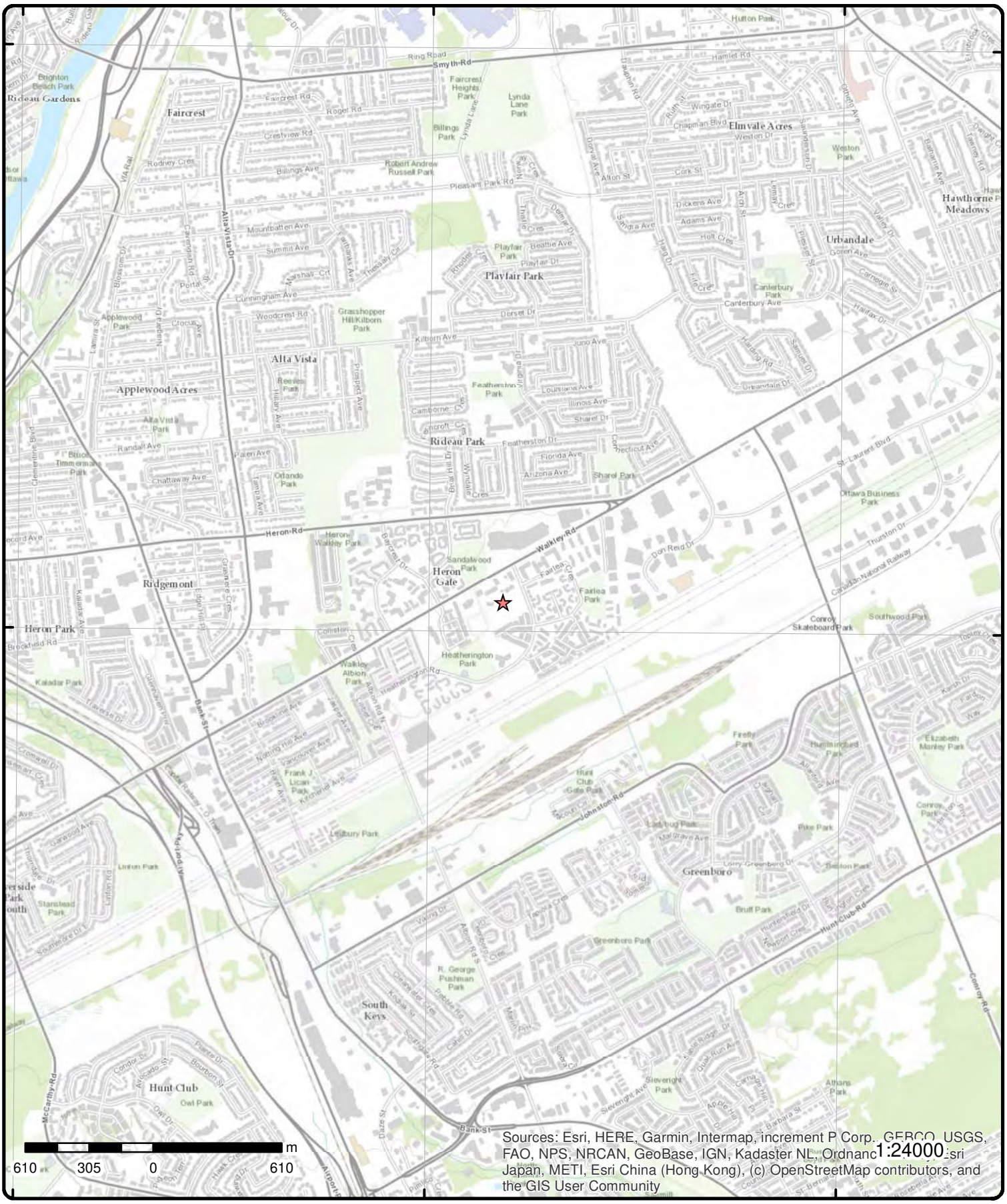
Aerial **Year: 2015**

Order Number: 21020800093

Address: 1770 Heatherington Road, Ottawa, ON

Source: ESRI World Imagery

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: 1770 Heatherington Road, ON

Source: ESRI World Topographic Map

Order Number: 21020800093

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 14	-/0.0	87.9 / 0.00	OTTAWA, CITY OF-OPERATIONS BRANCH CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	GEN

Generator No: ON0136205
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 4591
SIC Description: HIGHWAY, ETC. IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 14	-/0.0	87.9 / 0.00	OTTAWA, CITY OF 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	GEN

Generator No: ON0136205
Status:
Approval Years: 92,93,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 8373
SIC Description: ENVIRON. ADMIN.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 14	-/0.0	87.9 / 0.00	OTTAWA, CITY OF-OPERATIONS BRANCH 29-165 CITY OF OTTAWA WORKS YARD 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	GEN

Generator No: ON0136205
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 4591

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

SIC Description: HIGHWAY, ETC. IND.

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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1 | 4 of 14 | -/0.0 | 87.9 / 0.00 | OTTAWA, CORPORATION OF THE CITY OF
1770 HEATHERINGTON ROAD
OTTAWA ON K1H 8K7 | GEN

Generator No: ON0136205
Status:
Approval Years: 99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 8372
SIC Description: REG. CONS./IND. DEV.
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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1 | 5 of 14 | -/0.0 | 87.9 / 0.00 | 1770 Heatherington Road
Ottawa ON | EHS

Order No: 20080104009
Status: C
Report Type: Complete Report
Report Date: 1/14/2008
Date Received: 1/4/2008
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans
Nearest Intersection: Heatherington Road and Fairlea Crescent
Municipality:
Client Prov/State: AB
Search Radius (km): 0.25
X: -75.645973
Y: 45.375966

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1 | 6 of 14 | -/0.0 | 87.9 / 0.00 | OTTAWA, CORPORATION OF THE CITY OF
1770 HEATHERINGTON ROAD
OTTAWA ON | GEN

Generator No: ON0136205
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 913910, 812930
SIC Description: Other Local Municipal and Regional Public Administration, Parking Lots and Garages
PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

1	7 of 14	-/0.0	87.9 / 0.00	OTTAWA, CORPORATION OF THE CITY OF 1770 HEATHERINGTON ROAD OTTAWA ON	GEN

Generator No: ON0136205
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 913910, 812930
SIC Description: Other Local Municipal and Regional Public Administration, Parking Lots and Garages

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

1	8 of 14	-/0.0	87.9 / 0.00	OTTAWA, CORPORATION OF THE CITY OF 1770 HEATHERINGTON ROAD OTTAWA ON	GEN

Generator No: ON0136205
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 913910, 812930
SIC Description: Other Local Municipal and Regional Public Administration, Parking Lots and Garages

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	9 of 14	-/0.0	87.9 / 0.00	OTTAWA, CORPORATION OF THE CITY OF 1770 HEATHERINGTON ROAD OTTAWA ON K1H 8K7	GEN

Generator No: ON0136205
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 913910, 812930
SIC Description: Other Local Municipal and Regional Public Administration, Parking Lots and Garages

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 149
Waste Class Desc: LANDFILL LEACHATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	10 of 14	-/0.0	87.9 / 0.00	1770 Heatherington Rd Ottawa ON K1V8T8	EHS

Order No: 20150608098
Status: C
Report Type: Custom Report
Report Date: 15-JUN-15
Date Received: 08-JUN-15
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.645394
Y: 45.37612

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	11 of 14	-/0.0	87.9 / 0.00	City of Ottawa 1770 Heatherington Road Ottawa ON K1H 8K7	GEN

Generator No: ON9765820
Status:
Approval Years: 2016

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Contam. Facility:	No	**Co Admin:**	Richard Barker	
MHSW Facility:	No	**Phone No Admin:**	613.580.2424 Ext.12567	
SIC Code:	913910			
SIC Description:	913910			

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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1 ***12 of 14*** ***-/0.0*** ***87.9 / 0.00*** ***City of Ottawa*** ***GEN***
1770 Heatherington Road
Ottawa ON K1H 8K7

Generator No:	ON9765820	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Richard Barker
MHSW Facility:	No	**Phone No Admin:**	613.580.2424 Ext.12567
SIC Code:	913910		
SIC Description:	913910		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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1 ***13 of 14*** ***-/0.0*** ***87.9 / 0.00*** ***City of Ottawa*** ***GEN***
1770 Heatherington Road
Ottawa ON K1H 8K7

Generator No:	ON9765820	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No Admin:**	
SIC Code:	913910		
SIC Description:	913910		

Detail(s)

Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES

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1 ***14 of 14*** ***-/0.0*** ***87.9 / 0.00*** ***City of Ottawa*** ***GEN***
1770 Heatherington Road
Ottawa ON K1H 8K7

Generator No:	ON9765820	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Oct 2019	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	251 L
Waste Class Desc:	Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	E/18.0	87.9 / 0.00	1770 HEATHERINGTON ROAD Ottawa ON	WWIS

Well ID: 7248684
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z216490
Tag: A188655
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 9/21/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON ROAD
County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP
Site Info: WKQ-008166 A0-A06
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1005696514
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/11/2015
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 86.931961
Elevrc:
Zone: 18
East83: 449479
North83: 5024951
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005721479
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	1005721482
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25
Formation End Depth:	60
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721480
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	5
Formation End Depth:	23
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721481
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23
Formation End Depth:	25
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721491
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1005721492
Layer: 2
Plug From: 1
Plug To: 54
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005721493
Layer: 3
Plug From: 54
Plug To: 60
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005721490
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005721478
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005721486
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 3
Depth To: 55
Casing Diameter: 2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005721487
Layer: 1
Slot: 10
Screen Top Depth: 55
Screen End Depth: 60
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1005721485
Layer:
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005721483
Diameter: 5
Depth From: 0
Depth To: 30
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1005721484
Diameter: 3.5
Depth From: 30
Depth To: 60
Hole Depth UOM: m
Hole Diameter UOM: cm

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3 | ***1 of 1*** | ***WSW/21.2*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON DR. Ottawa ON*** | ***WWIS***

Well ID:	7130023	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	9/22/2009
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z100211	***Owner:***	
Tag:	A087280	***Street Name:***	1770 HEATHERINGTON DR.
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7130023.pdf

Bore Hole Information

Bore Hole ID:	1002723345	***Elevation:***	87.19548
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449443
Code OB Desc:		***North83:***	5024940
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/31/2009	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1002855347
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.91
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002855348
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:	.91
Formation End Depth:	2.74
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002855349
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	2.74
Formation End Depth:	5.49
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002855353
Layer:	3
Plug From:	0.91
Plug To:	5.49

Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002855352
Layer: 2
Plug From: 0.31
Plug To: 0.91
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002855351
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002855359
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1002855346
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002855355
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: .91
Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002855356
Layer: 1
Slot: 10
Screen Top Depth: 0.91
Screen End Depth: 5.49
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82

Water Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Water ID: 1002855354
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002855350
Diameter: 8.25
Depth From: 0
Depth To: 5.49
Hole Depth UOM: m
Hole Diameter UOM: cm

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4 | **1 of 1** | **NNW/59.8** | **87.9 / 0.00** | **1770 HEATHERINGTON RD. OTTAWA ON** | **WWIS**

Well ID: 7102089
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z62476
Tag: A039299
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 2/12/2008
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 4
Owner:
Street Name: 1770 HEATHERINGTON RD.
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7102089.pdf

Bore Hole Information

Bore Hole ID: 1001511164
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/28/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 87.839782
Elevrc:
Zone: 18
East83: 449446
North83: 5025009
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1001559220
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
Formation End Depth:	.91
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559221
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.91
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559222
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	2.44
Formation End Depth:	6.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001559224
Layer:	1
Plug From:	0
Plug To:	1.83
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559225
Layer: 2
Plug From: 1.83
Plug To: 6.1
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001559229
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1001559218
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001559227
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To: 2.13
Casing Diameter: 3.81
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001559228
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001559219
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: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:

Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 1001559226
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001559223
Diameter: 8.89
Depth From:
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

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5 | ***1 of 1*** | ***NE/61.3*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON Ottawa ON*** | ***WWIS***

Well ID: 7248689
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z214847
Tag: A186571
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 9/21/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON
County: OTTAWA

Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1005696529
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/4/2015
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 86.785842
Elevrc:
Zone: 18
East83: 449498
North83: 5025000
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005721554
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.61
Formation End Depth:	3.66
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721556
Layer:	4
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5.18
Formation End Depth:	5.79
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721553
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	0
Formation End Depth:	.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721555
Layer:	3
Color:	2
General Color:	GREY

Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	3.66
Formation End Depth:	5.18
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721565
Layer:	2
Plug From:	2.44
Plug To:	5.79
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721564
Layer:	1
Plug From:	0
Plug To:	2.44
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005721563
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1005721552
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005721559
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	-.91
Depth To:	2.74
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005721560
Layer:	1
Slot:	10
Screen Top Depth:	2.74

Screen End Depth: 5.79
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1005721558
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005721557
Diameter: 10.92
Depth From: 0
Depth To: 5.79
Hole Depth UOM: m
Hole Diameter UOM: cm

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6 | ***1 of 1*** | ***NE/80.0*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON RD. OTTAWA ON*** | ***WWIS***

Well ID: 7102092
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z62471
Tag: A039291
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 2/12/2008
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 4
Owner:
Street Name: 1770 HEATHERINGTON RD.
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7102092.pdf

Bore Hole Information

Bore Hole ID: 1001511212
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/28/2008
Remarks:

Elevation: 87.184226
Elevrc:
Zone: 18
East83: 449500
North83: 5025021
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1001559266
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559265
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559267
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.5
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559268

Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	2.44
Formation End Depth:	5.49
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001559270
Layer:	1
Plug From:	0
Plug To:	1.22
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001559271
Layer:	2
Plug From:	1.22
Plug To:	5.49
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001559276
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1001559263
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001559273
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	1.5
Casing Diameter:	3.81
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001559274

Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001559264
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: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 1001559272
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001559269
Diameter: 8.89
Depth From:
Depth To: 5.49
Hole Depth UOM: m
Hole Diameter UOM: cm

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7 ***1 of 1*** ***W/90.1*** ***87.9 / 0.00*** ***1770 HEATHERINGTON Ottawa ON*** ***WWIS***

Well ID: 7248687
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z214843
Tag: A186574
Construction Method:
Elevation (m):
Elevation Reliability:
Data Entry Status:
Data Src:
Date Received: 9/21/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005696523	***Elevation:***	87.619445
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449371
Code OB Desc:		***North83:***	5024949
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/4/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005721525
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721527
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	2.44
Formation End Depth:	5.18
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721526
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.61
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721528
Layer:	4
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	5.18
Formation End Depth:	6.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721536
Layer:	1
Plug From:	0
Plug To:	2.74
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721537
Layer:	2
Plug From:	2.74
Plug To:	6.1
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005721535
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID: 1005721524
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005721531
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: -.91
Depth To: 3.1
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005721532
Layer: 1
Slot: 10
Screen Top Depth: 3.1
Screen End Depth: 6.1
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1005721530
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005721529
Diameter: 10.92
Depth From: 0
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

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9 ***1 of 1*** ***W/92.2*** ***87.9 / 0.00*** ***1770 HEATHERINGTON Ottawa ON*** ***WWIS***

Well ID: 7248718
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z215109
Tag: A170604
Construction

Data Entry Status:
Data Src:
Date Received: 9/21/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON
County: OTTAWA

Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1005697046
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/15/2015
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 87.588821
Elevrc:
Zone: 18
East83: 449369
North83: 5024945
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005721992
Layer: 3
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 7.01
Formation End Depth: 12.19
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005721990
Layer: 1
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 0

Formation End Depth: .31
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005721991
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: .31
Formation End Depth: 7.01
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005722002
Layer: 2
Plug From: 0.31
Plug To: 10.36
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005722003
Layer: 3
Plug From: 10.36
Plug To: 12.19
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005722001
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005722000
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005721989
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1005721996
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10.67
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005721997
Layer:	1
Slot:	10
Screen Top Depth:	10.67
Screen End Depth:	12.19
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1005721995
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005721993
Diameter:	11.43
Depth From:	0
Depth To:	7.67
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1005721994
Diameter:	7.62
Depth From:	7.62
Depth To:	12.19
Hole Depth UOM:	m
Hole Diameter UOM:	cm

10	***1 of 1***	***SE/92.7***	***87.9 / 0.00***	***1770 HEATHERINGTON RD. OTTAWA ON***	***WWIS***

Well ID:	7102085	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	2/12/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241

Casing Material:		**Form Version:**	4
Audit No:	Z62470	**Owner:**	
Tag:	A039296	**Street Name:**	1770 HEATHERINGTON RD.
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7102085.pdf

Bore Hole Information

Bore Hole ID:	1001506788	**Elevation:**	86.615844
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449525
Code OB Desc:		**North83:**	5024884
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	1/29/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001559160
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.91
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001559159
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	

Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 0
Formation End Depth: .91
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559161
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1.5
Formation End Depth: 2.44
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559162
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 2.44
Formation End Depth: 6.1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559165
Layer: 2
Plug From: 1.22
Plug To: 6.1
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559164
Layer: 1
Plug From: 0
Plug To: 1.22
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001559169
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1001559157
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001559167
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15
Casing Diameter: 3.81
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001559168
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001559158
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: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 1001559166
Layer: 1
Kind Code:
Kind:
Water Found Depth:

Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001559163
Diameter: 8
Depth From:
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

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12 | **1 of 1** | **E/95.1** | **87.9 / 0.00** | **1770 HEATHERINGTON DR. Ottawa ON** | **WWIS**

Well ID: 7130024
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z100212
Tag: A087281
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 9/22/2009
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON DR.
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/713\7130024.pdf

Bore Hole Information

Bore Hole ID: 1002723348
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/31/2009
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 86.993812
Elevrc:
Zone: 18
East83: 449553
North83: 5024927
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1002855365
Layer: 3
Color: 2

General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	3.1
Formation End Depth:	4.57
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002855364
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	1.83
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002855363
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.83
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002855367
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002855373
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1002855362
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002855369
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.5
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1002855370
Layer:	1
Slot:	10
Screen Top Depth:	1.5
Screen End Depth:	4.57
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1002855368
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1002855366
Diameter:	8.25
Depth From:	0
Depth To:	4.57
Hole Depth UOM:	m
Hole Diameter UOM:	cm

13	*1 of 1*	*ESE/96.0*	*87.9 / 0.00*	*1770 HEATHERINGTON OTTAWA ON*	*WWIS*

Well ID:	7266269	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	9/21/2015
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z214844	***Owner:***	
Tag:	A186572	***Street Name:***	1770 HEATHERINGTON

Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006124935	***Elevation:***	86.653793
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449541
Code OB Desc:		***North83:***	5024898
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/4/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006138708
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.61
Formation End Depth:	2.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006138709
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT

Formation Top Depth:	2.44
Formation End Depth:	5.18
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006138707
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006138710
Layer:	4
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	5.18
Formation End Depth:	6.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006138719
Layer:	2
Plug From:	2.74
Plug To:	6.1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006138718
Layer:	1
Plug From:	0
Plug To:	2.74
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006138717
Method Construction Code:	2
Method Construction:	Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID:	1006138706
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006138713
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	-.91
Depth To:	3.1
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006138714
Layer:	1
Slot:	10
Screen Top Depth:	3.1
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03

Water Details

Water ID:	1006138712
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1006138711
Diameter:	10.92
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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14 | ***1 of 1*** | ***ENE/98.3*** | ***87.9 / 0.00*** | ***1770 HEATHENNGTON ROAD OTTAWA ON*** | ***WWIS***

Well ID:	7199621	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	4/2/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6964
Casing Material:		***Form Version:***	7

Audit No:	Z163927	**Owner:**	
Tag:	A137232	**Street Name:**	1770 HEATHENNGTON ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7199621.pdf

Bore Hole Information

Bore Hole ID:	1004269992	**Elevation:**	86.519363
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449534
Code OB Desc:		**North83:**	5025017
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/3/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004781130
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	28
Mat3 Desc:	SAND
Formation Top Depth:	0
Formation End Depth:	.75
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004781132
Layer:	3
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	81
Mat2 Desc:	SANDY

Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 3.05
Formation End Depth: 5.49
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004781131
Layer: 2
Color: 2
General Color: GREY
Mat1:
Most Common Material:
Mat2: 84
Mat2 Desc: SILTY
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: .75
Formation End Depth: 3.05
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004781139
Layer: 2
Plug From: 0.9
Plug To: 2.14
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004781138
Layer: 1
Plug From: 0
Plug To: 0.9
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004781140
Layer: 3
Plug From: 2.14
Plug To: 5.49
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004781137
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: HS AUGER

Pipe Information

Pipe ID: 1004781129

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004781135
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 2.42
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004781136
Layer: 1
Slot: 10
Screen Top Depth: 2.42
Screen End Depth: 5.49
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6

Water Details

Water ID: 1004781134
Layer: 1
Kind Code:
Kind:
Water Found Depth: 1.82
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004781133
Diameter: 22
Depth From: 0
Depth To: 5.49
Hole Depth UOM: m
Hole Diameter UOM: cm

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15 | ***1 of 1*** | ***ESE/99.0*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON ROAD Ottawa ON*** | ***WWIS***

Well ID: 7248717
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z215108
Tag: A170605
Construction Method:
Elevation (m):

Data Entry Status:
Data Src:
Date Received: 9/21/2015
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON ROAD
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005697043	***Elevation:***	86.629745
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449544
Code OB Desc:		***North83:***	5024897
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/15/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005721977
Layer:	4
Color:	2
General Color:	GREY
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	7.92
Formation End Depth:	12.19
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721975
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	.31
Formation End Depth:	2.13
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721974
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	0
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721976
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	66
Mat3 Desc:	DENSE
Formation Top Depth:	2.13
Formation End Depth:	7.92
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721987
Layer:	2
Plug From:	0.31
Plug To:	10.36
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721988
Layer:	3
Plug From:	10.36
Plug To:	12.19
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721986
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005721985
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1005721973
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005721981
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	10.67
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005721982
Layer:	1
Slot:	10
Screen Top Depth:	10.67
Screen End Depth:	12.19
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1005721980
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005721978
Diameter:	11.43
Depth From:	0
Depth To:	9.14
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1005721979

Diameter:	7.62
Depth From:	9.14
Depth To:	12.19
Hole Depth UOM:	m
Hole Diameter UOM:	cm

16 | **1 of 1** | **S/99.1** | **87.9 / 0.00** | **1770 HEATHERINGTON Ottawa ON** | **WWIS**

Well ID:	7248688	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	9/21/2015
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z214846	**Owner:**	
Tag:	A186573	**Street Name:**	1770 HEATHERINGTON
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005696526	**Elevation:**	86.880996
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449459
Code OB Desc:		**North83:**	5024852
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/4/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005721541
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85

Mat3 Desc: SOFT
Formation Top Depth: 2.74
Formation End Depth: 5.18
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005721539
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0
Formation End Depth: .61
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005721542
Layer: 4
Color: 2
General Color: GREY
Mat1: 34
Most Common Material: TILL
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 5.18
Formation End Depth: 6.1
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005721540
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: .61
Formation End Depth: 2.74
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005721550
Layer: 1
Plug From: 0

Plug To: 2.74
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005721551
Layer: 2
Plug From: 2.74
Plug To: 6.1
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005721549
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1005721538
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005721545
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: -.91
Depth To: 3.1
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005721546
Layer: 1
Slot: 10
Screen Top Depth: 3.1
Screen End Depth: 6.1
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Water Details

Water ID: 1005721544
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID:	1005721543
Diameter:	10.92
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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17 | ***1 of 1*** | ***NE/103.1*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON RD. OTTAWA ON*** | ***WWIS***

Well ID:	7102090	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Other	***Date Received:***	2/12/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	4
Audit No:	Z62474	***Owner:***	
Tag:	A039300	***Street Name:***	1770 HEATHERINGTON RD.
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1001511167	***Elevation:***	87.321952
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449515
Code OB Desc:		***North83:***	5025039
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	1/28/2008	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001559235
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: .91
Formation End Depth: 2.44
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559236
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 2.44
Formation End Depth: 5.79
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559234
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
Formation End Depth: .91
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559238
Layer: 1
Plug From: 0
Plug To: 1.83
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559239
Layer: 2
Plug From: 1.83
Plug To: 5.79
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001559244
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1001559232
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001559241
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.13
Casing Diameter: 3.81
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001559242
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001559233
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: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 1001559240
Layer: 1
Kind Code:
Kind:

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001559237
Diameter: 8.89
Depth From:
Depth To: 5.79
Hole Depth UOM: m
Hole Diameter UOM: cm

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18 | ***1 of 1*** | ***NE/111.2*** | ***87.9 / 0.00*** | ***1770 HEATHERINGTON ROAD lot A con 4 OTTAWA ON*** | ***WWIS***

Well ID: 7198794
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z163925
Tag: A137271
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 3/19/2013
Selected Flag: Yes
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
Street Name: 1770 HEATHERINGTON ROAD
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: A
Concession: 04
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7198794.pdf

Bore Hole Information

Bore Hole ID: 1004264447
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 6/27/2012
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 87.358688
Elevrc:
Zone: 18
East83: 449519
North83: 5025046
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004908532
Layer: 1

Color: 2
General Color: GREY
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004908533
Layer: 2
Color:
General Color:
Mat1: 34
Most Common Material: TILL
Mat2: 05
Mat2 Desc: CLAY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 4
Formation End Depth: 6.1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004908541
Layer: 3
Plug From: 2.75
Plug To: 6.1
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004908540
Layer: 2
Plug From: 1.85
Plug To: 2.75
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004908539
Layer: 1
Plug From: 0
Plug To: 1.85
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004908538
Method Construction Code: B
Method Construction: Other Method

Other Method Construction:	HS AUGER

Pipe Information

Pipe ID:	1004908531
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004908536
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3.05
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004908537
Layer:	1
Slot:	10
Screen Top Depth:	3.05
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6

Water Details

Water ID:	1004908535
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	2.5
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004908534
Diameter:	22
Depth From:	0
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

19	***1 of 1***	***NE/112.6***	***87.9 / 0.00***	***1770 HEATHERINGTON RD. Ottawa ON***	***WWIS***

Well ID:	7116116	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	12/4/2008
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	5

Audit No:	M02560	**Owner:**	
Tag:	A077959	**Street Name:**	1770 HEATHERINGTON RD.
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1001906914	**Elevation:**	86.791572
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449531
Code OB Desc:		**North83:**	5025028
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/10/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1002712520
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
Formation End Depth:	.61
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002712522
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT

Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 3.1
Formation End Depth: 5.49
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002712521
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: .61
Formation End Depth: 3.1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002712525
Layer: 2
Plug From: 0.31
Plug To: 2.13
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002712526
Layer: 3
Plug From: 2.13
Plug To: 5.49
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002712524
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002712531
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1002712519

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002712527
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 2.44
Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002712528
Layer: 1
Slot: 10
Screen Top Depth: 2.44
Screen End Depth: 5.49
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82

Hole Diameter

Hole ID: 1002712523
Diameter: 8.25
Depth From: 0
Depth To: 5.49
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002712510
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 11/10/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 87.344993
Elevrc:
Zone: 18
East83: 449520
North83: 5025047
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002712514
Layer:
Plug From:
Plug To:

Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002712513
Method Construction Code:
Method Construction:
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1002712515
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002712517
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.44
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002712516
Layer:
Slot:
Screen Top Depth: 2.44
Screen End Depth: 5.49
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002712518
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Hole ID: 1002712512
Diameter: 8.25
Depth From:
Depth To: 5.49
Hole Depth UOM: m
Hole Diameter UOM: cm

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8 | **1 of 1** | **NNE/91.3** | **87.9 / 0.00** | **1770 HEATHERINGTON RD. OTTAWA ON** | **WWIS**

Well ID: 7102091
Construction Date:
Primary Water Use: Test Hole
Sec. Water Use:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z62475
Tag: A039292
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 2/12/2008
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 4
Owner:
Street Name: 1770 HEATHERINGTON RD.
County: OTTAWA
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7102091.pdf

Bore Hole Information

Bore Hole ID: 1001511209
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/29/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 87.771362
Elevrc:
Zone: 18
East83: 449482
North83: 5025040
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1001559251
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:

Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1.5
Formation End Depth: 2.44
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559252
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 2.44
Formation End Depth: 6.1
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559250
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: .91
Formation End Depth: 1.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001559249
Layer: 1
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 0
Formation End Depth: .91
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559255
Layer: 2

Plug From: 1.22
Plug To: 6.1
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001559254
Layer: 1
Plug From: 0
Plug To: 1.22
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001559260
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1001559247
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001559257
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 1.5
Casing Diameter: 3.81
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001559258
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1001559248
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:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	1001559256
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1001559253
Diameter:	8.89
Depth From:	
Depth To:	6.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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11 | ***1 of 1*** | ***NW/94.0*** | ***88.6 / 0.69*** | ***PRIVATE RESIDENCE***
REAR OF PLAZA AT 1582 WALKLEY RD
GARBAGE BIN AREA (N.O.S.)
OTTAWA CITY ON K1V 6P5 | ***SPL***

Ref No:	44406	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	12/8/1990	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CAUSE (N.O.S.)	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	NOT ANTICIPATED	**Site Municipality:**	20101
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	WORKS DEPT
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	12/8/1990	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	INTENTIONAL/PLANNED	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MOTORIST CHANGED OIL IN CAR THEN DUMPED 5 L OF WASTE OIL ONTO A TREE.		
Contaminant Qty:			

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20 | ***1 of 6*** | ***WNW/113.3*** | ***88.2 / 0.32*** | ***BETTY BRITE CLEANERS***
1574 WALKLEY ROAD C/O 218 LAURIER | ***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				AVENUE EAST OTTAWA ON K1V 6P5	

Generator No: ON0318803
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

---

20 **2 of 6** **WNW/113.3** **88.2 / 0.32**

BETTY BRITE CLEANERS
1574 WALKLEY ROAD
OTTAWA ON K1V 6P5

GEN

Generator No: ON0318803
Status:
Approval Years: 90,98
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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20 **3 of 6** **WNW/113.3** **88.2 / 0.32**

BETTY BRITE CLEANERS 05-390
1574 WALKLEY ROAD
OTTAWA ON K1V 6P5

GEN

Generator No: ON0318803
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 9721
SIC Description: POWER LAUND./CLEANER

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

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20 **4 of 6** **WNW/113.3** **88.2 / 0.32**

STARLIGHT BUILDING CLEANING SERVIC
1576 WALKLEY ROAD
OTTAWA ON K1V 6P5

GEN

Generator No: ON0449900
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	5 of 6	WNW/113.3	88.2 / 0.32	STARLIGHT BUILDING CLEANING SERVICES 1576 WALKLEY ROAD OTTAWA ON K1V 6P5	GEN

Generator No:	ON0449900	**PO Box No:**	
Status:		**Country:**	
Approval Years:	92,93,94	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	0000		
SIC Description:	*** NOT DEFINED ***		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	6 of 6	WNW/113.3	88.2 / 0.32	1574-1576 Walkley Road Ottawa ON	EHS

Order No:	20110113041	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	1/20/2011	**Search Radius (km):**	0.25
Date Received:	1/13/2011 4:35:38 PM	**X:**	-75.646856
Previous Site Name:		**Y:**	45.376548
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	NE/114.8	87.9 / 0.00	1770 HEATHERINGTON RD. Ottawa ON	WWIS

Well ID:	7110645	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	8/28/2008
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z89444	**Owner:**	
Tag:	A067635	**Street Name:**	1770 HEATHERINGTON RD.
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1001767355	**Elevation:**	87.503494
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449514
Code OB Desc:		**North83:**	5025053
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/6/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1001872255
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 91
Mat3 Desc: WATER-BEARING
Formation Top Depth: 2.44
Formation End Depth: 5.18
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001872256
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 06
Mat2 Desc: SILT
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 5.18
Formation End Depth: 5.79
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001872254
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 1.5
Formation End Depth: 2.44
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001872253

Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Mat2 Desc:	FILL
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001872258
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001872264
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1001872252
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001872260
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.22
Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001872261
Layer:	1
Slot:	10
Screen Top Depth:	1.22
Screen End Depth:	5.79
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Water Details

Water ID:	1001872259
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1001872257
Diameter:	8.25
Depth From:	0
Depth To:	5.79
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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22 ***1 of 1*** ***NE/115.9*** ***87.9 / 0.00*** ***1770 SEATHERINGTON Ottawa ON*** ***WWIS***

Well ID:	7205197	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	7/23/2013
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z168905	***Owner:***	
Tag:	A098725	***Street Name:***	1770 SEATHERINGTON
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/720\7205197.pdf

Bore Hole Information

Bore Hole ID:	1004448317	***Elevation:***	86.897834
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449545
Code OB Desc:		***North83:***	5025031
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/31/2013	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004875315
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	3.1
Formation End Depth:	5.79
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004875313
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
Formation End Depth:	.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004875316
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Mat2 Desc:	
Mat3:	74
Mat3 Desc:	LAYERED
Formation Top Depth:	5.79
Formation End Depth:	9.14
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1004875314
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	85

Mat3 Desc: SOFT
Formation Top Depth: .31
Formation End Depth: 3.1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004875325
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004875326
Layer: 2
Plug From: 0.31
Plug To: 7.32
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1004875327
Layer: 3
Plug From: 7.32
Plug To: 9.14
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004875324
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1004875312
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004875320
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 7.62
Casing Diameter: 3.45
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004875321
Layer: 1
Slot: 10
Screen Top Depth: 7.62
Screen End Depth: 9.14
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.21

Water Details

Water ID: 1004875319
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004875317
Diameter: 8.25
Depth From: 0
Depth To: 5.79
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1004875318
Diameter: 5.71
Depth From: 5.79
Depth To: 9.14
Hole Depth UOM: m
Hole Diameter UOM: cm

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23 | ***1 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD
OTTAWA ON K1V 6P5 | ***PRT***

Location ID: 11132
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 24197
Licence #: 0022604001

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23 | ***2 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD
OTTAWA ON | ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9552653
Status: EXPIRED
Instance ID: 389786
Instance Type: FS Facility

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Description: FS Gasoline Station - Full Serve
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	3 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 11416943
Status: EXPIRED
Instance ID: 83849
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	4 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 11416923
Status: EXPIRED
Instance ID: 83843
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	5 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	EXP

Instance No: 10907768
Status: EXPIRED
Instance ID:
Instance Type:
Instance Creation Dt: 1/22/1992
Instance Install Dt: 1/22/1992
Item:
Item Description: FS Liquid Fuel Tank
Facility Type: FS LIQUID FUEL TANK
Overfill Prot Type: NULL

Model: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Creation Date:	7/5/2009 1:22:07 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	NEWLY ENTERED APPLICATIONS - NO ENGINEERING INPUT - 19911021		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	6 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	EXP

Instance No:	10907777	**Model:**	NULL
Status:	EXPIRED	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	1/22/1992	**Fuel Type3:**	NULL
Instance Install Dt:	1/22/1992	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	NULL	**Tank Underground:**	
Creation Date:	7/5/2009 1:22:08 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	NEWLY ENTERED APPLICATIONS - NO ENGINEERING INPUT - 19911021		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	7 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	EXP

Instance No:	10907786	**Model:**	NULL
Status:	EXPIRED	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	1/22/1992	**Fuel Type3:**	NULL
Instance Install Dt:	1/22/1992	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	NULL	**Tank Underground:**	
Creation Date:	7/5/2009 1:22:08 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	NEWLY ENTERED APPLICATIONS - NO ENGINEERING INPUT - 19911021		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	8 of 12	NW/121.4	88.9 / 1.00	SUNYS PETROLEUM INC 1594 WALKLEY RD OTTAWA K1V 6P5 ON CA ON	EXP

Instance No:	11416907	**Model:**	NULL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Status:	EXPIRED	**Quantity:**	1
Instance ID:		**Unit of Measure:**	EA
Instance Type:		**Fuel Type2:**	NULL
Instance Creation Dt:	1/22/1992	**Fuel Type3:**	NULL
Instance Install Dt:	1/22/1992	**Piping Steel:**	
Item:		**Piping Galvanized:**	
Item Description:	FS Liquid Fuel Tank	**Tank Single Wall St:**	
Facility Type:	FS LIQUID FUEL TANK	**Piping Underground:**	
Overfill Prot Type:	NULL	**Tank Underground:**	
Creation Date:	7/5/2009 1:25:13 AM	**Panam Related:**	NULL
Expired Date:		**Panam Venue Nm:**	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	ETHANOL		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

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23 | ***9 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD OTTAWA K1V 6P5 ON CA
ON | ***FST***

Instance No:	10907777	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	1/22/1992	**Fuel Type3:**	NULL
Install Year:	1982	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	25000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Fuel Storage Tank Details

Owner Account Name: SUNYS PETROLEUM INC

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23 | ***10 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD OTTAWA K1V 6P5 ON CA
ON | ***FST***

Instance No:	10907786	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	1/22/1992	**Fuel Type3:**	NULL
Install Year:	1982	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Description:		**Piping Underground:**	
Capacity:	35000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Fuel Storage Tank Details

Owner Account Name: SUNYS PETROLEUM INC

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23 | ***11 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD OTTAWA K1V 6P5 ON CA
ON | ***FST***

Instance No:	11416907	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Other
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	1/22/1992	**Fuel Type3:**	NULL
Install Year:	1982	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	25000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	1594 WALKLEY RD OTTAWA K1V 6P5 ON CA		

Fuel Storage Tank Details

Owner Account Name: SUNYS PETROLEUM INC

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23 | ***12 of 12*** | ***NW/121.4*** | ***88.9 / 1.00*** | ***SUNYS PETROLEUM INC***
1594 WALKLEY RD OTTAWA K1V 6P5 ON CA
ON | ***FST***

Instance No:	10907768	**Manufacturer:**	
Status:		**Serial No:**	
Cont Name:		**Ulc Standard:**	
Instance Type:		**Quantity:**	
Item:	FS LIQUID FUEL TANK	**Unit of Measure:**	
Item Description:	FS Liquid Fuel Tank	**Fuel Type:**	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	**Fuel Type2:**	NULL
Install Date:	1/22/1992	**Fuel Type3:**	NULL
Install Year:	1982	**Piping Steel:**	
Years in Service:		**Piping Galvanized:**	
Model:	NULL	**Tanks Single Wall St:**	
Description:		**Piping Underground:**	
Capacity:	25000	**Num Underground:**	
Tank Material:	Steel	**Panam Related:**	
Corrosion Protect:		**Panam Venue:**	
Overfill Protect:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 1594 WALKLEY RD OTTAWA K1V 6P5 ON CA

Fuel Storage Tank Details

Owner Account Name: SUNYS PETROLEUM INC

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24 | **1 of 1** | **NNE/123.3** | **88.1 / 0.25** | **TDL GROUP LIMITED**
1620 WALKLEY RD., TIM HORTON'S
OTTAWA CITY ON K1V 6P5 | **CA**

Certificate #: 3-0525-97-
Application Year: 97
Issue Date: 8/26/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

---

25 | **1 of 1** | **NNW/123.5** | **88.9 / 1.00** | **City of Ottawa**
1602 Walkley RD
Ottawa ON | **SPL**

Ref No: 3763-AK2PLK
Site No: NA
Incident Dt: 3/1/2017
Year:
Incident Cause:
Incident Event: Other
Contaminant Code: 44
Contaminant Name: SEWAGE,PRIMARY UNCHLORINATED
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land; Surface Water
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/1/2017
Dt Document Closed:
Incident Reason: Blockage
Site Name: rsidential site<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: C of Ottawa: blocked sewer, clear fluid to cb, cntd & clnd
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Communal
Agency Involved:
Nearest Watercourse:
Site Address: 1602 Walkley RD
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5025069
Easting: 449398
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type:

---

26 | **1 of 1** | **WNW/130.1** | **88.9 / 1.00** | **5310 GYPLORE DR.**
MISSISSAUGA ON | **WWIS**

Well ID: 7154090
Data Entry Status:

Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	11/4/2010
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z113176	**Owner:**	
Tag:	A104657	**Street Name:**	5310 GYPLORE DR.
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7154090.pdf

Bore Hole Information

Bore Hole ID:	1003362525	**Elevation:**	88.026145
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	449366
Code OB Desc:		**North83:**	5025040
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/14/2010	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003482042
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	68
Mat3 Desc:	DRY
Formation Top Depth:	0
Formation End Depth:	3.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003482043
Layer:	2
Color:	2

General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	91
Mat3 Desc:	WATER-BEARING
Formation Top Depth:	3.1
Formation End Depth:	4.27
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003482046
Layer:	2
Plug From:	0.31
Plug To:	0.91
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003482045
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003482047
Layer:	3
Plug From:	0.91
Plug To:	4.27
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003482053
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	DIRECT PUSH

Pipe Information

Pipe ID:	1003482041
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003482049
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.22

Casing Diameter:	4.03
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003482050
Layer:	1
Slot:	10
Screen Top Depth:	1.22
Screen End Depth:	4.27
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.82

Water Details

Water ID:	1003482048
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003482044
Diameter:	8.25
Depth From:	0
Depth To:	4.27
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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27 ***1 of 1*** ***WNW/130.7*** ***88.9 / 1.00*** ***ON*** ***WWIS***

Well ID:	1508970	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/7/1953
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3725
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508970.pdf

Bore Hole Information

Bore Hole ID:	10031004	**Elevation:**	87.91806
DP2BR:	20	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	449340.7
Code OB Desc:	Bedrock	**North83:**	5025002
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/6/1953	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931011108
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	116
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931011107
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961508970
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10579574
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930054647
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930054648
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	116
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991508970
Pump Set At:	
Static Level:	20
Final Level After Pumping:	22
Recommended Pump Depth:	
Pumping Rate:	4
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933463695
Layer:	1
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	80
Water Found Depth UOM:	ft

Water Details

Water ID:	933463696
Layer:	2
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	90

Water Found Depth UOM: ft

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28 **1 of 1** **WNW/130.8** **88.9 / 1.00** **ON** **BORE**

Borehole ID:	612800	**Inclin FLG:**	No
OGF ID:	215514106	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUN-1953	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.376702
Total Depth m:	35.4	**Longitude DD:**	-75.647014
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	449341
Drill Method:		**Northing:**	5025002
Orig Ground Elev m:	88.4	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	87.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392547	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218392548	**Mat Consistency:**	Hard
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	35.4	**Material Texture:**	
Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Slate	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SLATE. BLACK. 00090FISSURED. CLAY. BROWN,GREY,VERY STIFF TO HARD,FISSURED. CLAY. BROWN, GREY **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05308 NTS_Sheet:		
Confiden 1:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	NNE/132.0	88.1 / 0.25	1620 Walkley Rd Ottawa ON K1V6P5	EHS

Order No:	20180228022	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	06-MAR-18	***Search Radius (km):***	.25
Date Received:	28-FEB-18	***X:***	-75.645018
Previous Site Name:		***Y:***	45.377395
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	1 of 1	NNE/141.8	87.9 / 0.07	1770 HEATHERINGTON ROAD Ottawa ON	WWIS

Well ID:	7248685	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	9/21/2015
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z216489	***Owner:***	
Tag:	A188656	***Street Name:***	1770 HEATHERINGTON ROAD
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	WKQ-008166 A0-0A6
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1005696517	***Elevation:***	87.409011
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	449518
Code OB Desc:		***North83:***	5025081
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/10/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1005721496
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Mat2 Desc:	SILT
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	10
Formation End Depth:	18
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721497
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	20
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721498
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Mat2 Desc:	ROCK
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	40
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005721495
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01

Most Common Material:	FILL
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721507
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721508
Layer:	2
Plug From:	1
Plug To:	34
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005721509
Layer:	3
Plug From:	34
Plug To:	40
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1005721506
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1005721494
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005721502
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	3
Depth To:	35
Casing Diameter:	2
Casing Diameter UOM:	cm

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005721503
Layer: 1
Slot: 10
Screen Top Depth: 35
Screen End Depth: 40
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1005721501
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005721499
Diameter: 5
Depth From: 0
Depth To: 25
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1005721500
Diameter: 3.5
Depth From: 25
Depth To: 40
Hole Depth UOM: m
Hole Diameter UOM: cm

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31 | ***1 of 1*** | ***SE/148.3*** | ***86.9 / -1.00*** | ***PRIVATE OWNER***
78 IRMA ST. MOTOR VEHICLE (OPERATING FLUID)
OTTAWA CITY ON K1V 0E7 | ***SPL***

Ref No: 51156
Site No:
Incident Dt: 5/25/1991
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: POLICE, F.D., WORKS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	5/25/1991	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	EQUIPMENT FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PRIVATE AUTO -GASOLINE TOCATCH-BASIN, REQUEST FOR EMERGENCY GEN. NUMBER.		
Contaminant Qty:			

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32 | ***1 of 1*** | ***NNE/187.5*** | ***88.9 / 1.00*** | ***NISSAN*** | ***SPL***
WALKLEY & HEATHERINGTON STS. WALKLEY
YARD DEALERSHIP
OTTAWA CITY ON

Ref No:	10037	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	10/3/1988	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	ABOVE-GROUND TANK LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	20101
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	ED MINER CARTAGE
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	10/3/1988	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	MATERIAL FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	NISSAN CAR DEALER - 150 LTR MOTOR OIL TO YARD		
Contaminant Qty:			

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33 | ***1 of 5*** | ***NNW/192.5*** | ***88.9 / 1.00*** | ***Rexall Pharmacy Group Ltd*** | ***GEN***
1725 Walkley Road Unit C
Ottawa ON K1V 2P6

Generator No:	ON2796123	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Erik Botines
MHSW Facility:	No	**Phone No Admin:**	9055017800 Ext.
SIC Code:	446110		
SIC Description:	446110		

Detail(s)

Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	2 of 5	NNW/192.5	88.9 / 1.00	Pharma Plus Drugmarts Ltd 1725 Walkley Road Unit C Ottawa ON K1V 2P6	GEN

Generator No: ON2796123
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Erik Botines
Phone No Admin: 9055017800 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	3 of 5	NNW/192.5	88.9 / 1.00	Pharma Plus Drugmarts Ltd 1725 Walkley Road Unit C Ottawa ON K1V 2P6	GEN

Generator No: ON2796123
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Aaron Schrama
Phone No Admin: 905-502-5965 Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	4 of 5	NNW/192.5	88.9 / 1.00	Rexall Pharmacy Group Ltd 1725 Walkley Road Unit C Ottawa ON K1V 2P6	GEN

Generator No: ON2796123
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
33	5 of 5	NNW/192.5	88.9 / 1.00	Rexall Pharmacy Group Ltd 1725 Walkley Road Unit C Ottawa ON K1V 2P6	GEN

Generator No: ON2796123
Status: Registered

PO Box No:
Country: Canada

Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

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34 | **1 of 1** | **ENE/208.4** | **87.9 / 0.00** | **2916 - 3504 Fairlea Crescent Ottawa ON** | **EHS**

Order No: 20070923014
Status: C
Report Type: CAN - Custom Report
Report Date: 10/2/2007
Date Received: 9/23/2007
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection: Chemin Heatherington
Municipality:
Client Prov/State:
Search Radius (km): 0.25
X:
Y:

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35 | **1 of 1** | **ENE/232.0** | **87.9 / 0.00** | **2920 Fairlea Cres Ottawa ON K1V8T9** | **EHS**

Order No: 20170914040
Status: C
Report Type: Standard Report
Report Date: 19-SEP-17
Date Received: 14-SEP-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.642754
Y: 45.377083

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36 | **1 of 4** | **ENE/232.0** | **87.9 / 0.00** | **2920 Fairlea Crescent Ottawa ON K1V 8T9** | **EHS**

Order No: 20040810036
Status: C
Report Type: Custom Report
Report Date: 8/19/04
Date Received: 8/10/04
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection: Fairlea Cres & Heatherington Rd
Municipality:
Client Prov/State: ON
Search Radius (km): 0.3
X: -75.642849
Y: 45.377344

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36 | **2 of 4** | **ENE/232.0** | **87.9 / 0.00** | **2920 Fairlea Crescent Ottawa ON K1V 8T9** | **EHS**

Order No: 20060928023
Status: C
Report Type: Custom Report
Report Date: 10/10/2006
Date Received: 9/28/2006
Previous Site Name:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.643509
Y: 45.377166

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans

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36 | **3 of 4** | **ENE/232.0** | **87.9 / 0.00** | **2920 Fairlea Crescent Ottawa ON K1V 8T9** | **EHS**

Order No:	20080908022	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	9/17/2008	**Search Radius (km):**	0.25
Date Received:	9/8/2008	**X:**	-75.642767
Previous Site Name:		**Y:**	45.377108
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

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36 | **4 of 4** | **ENE/232.0** | **87.9 / 0.00** | **Timbercreek Asset Management 2920 FAIRLEA CRESCENT OTTAWA ON** | **GEN**

Generator No:	ON8837597	**PO Box No:**	
Status:		**Country:**	
Approval Years:	2012	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	531310		
SIC Description:	Real Estate Property Managers		

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37 | **1 of 1** | **W/239.2** | **88.2 / 0.31** | **OTTAWA CITY-WALKLEY ARENA COMPLEX 1533 WALKLEY ROAD OTTAWA CITY ON** | **CA**

Certificate #:	3-1071-90-
Application Year:	90
Issue Date:	6/20/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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38 | **1 of 1** | **SSE/239.2** | **86.9 / -1.00** | **ON** | **BORE**

Borehole ID:	612771	**Inclin FLG:**	No
OGF ID:	215514077	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1972	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.374196
Total Depth m:	18	**Longitude DD:**	-75.644558
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	449531

Drill Method:		**Northing:**	5024722
Orig Ground Elev m:	85.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	86.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392429	**Mat Consistency:**	
Top Depth:	8.8	**Material Moisture:**	
Bottom Depth:	9.8	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Clay	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT. DARK,GREY.		

Geology Stratum ID:	218392427	**Mat Consistency:**	
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. GREY,BROWN,WEATHERED.		

Geology Stratum ID:	218392430	**Mat Consistency:**	
Top Depth:	9.8	**Material Moisture:**	
Bottom Depth:	13.3	**Material Texture:**	
Material Color:	Dark	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Till	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT. DARK,GREY.		

Geology Stratum ID:	218392428	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	8.8	**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. GREY.		

Geology Stratum ID:	218392426	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:	Soil	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED.		

Geology Stratum ID:	218392431	**Mat Consistency:**	Soft
Top Depth:	13.3	**Material Moisture:**	
Bottom Depth:	18	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:	Calcite	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. DARK,GREY,SOUND. 00272RED. CLAY. BROWN,GREY,STIFF,SOFT, FISSURED. CLAY. GREY, STIFF **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 052790 NTS_Sheet: 31G05B		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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39 | ***1 of 1*** | ***NW/249.2*** | ***88.9 / 1.00*** | ***Sandalwood Park 2850 Sandalwood Drive Ottawa ON*** | ***EHS***

Order No:	20160331098	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	06-APR-16	**Search Radius (km):**	.25
Date Received:	31-MAR-16	**X:**	-75.647433
Previous Site Name:		**Y:**	45.378017
Lot/Building Size:			
Additional Info Ordered:			

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40 | ***1 of 1*** | ***NE/249.6*** | ***87.9 / 0.00*** | ***Ottawa Community Housing Corporation 1660, 1670, 1680 Walkley Road Ottawa ON K1H 1A9*** | ***ECA***

Approval No:	8238-5HUR7R	**MOE District:**	Ottawa
Approval Date:	2003-02-06	**City:**	
Status:	Approved	**Longitude:**	-75.64352
Record Type:	ECA	**Latitude:**	45.37782
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	1660, 1670, 1680 Walkley Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9551-5GNMBH-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	W/249.8	87.9 / 0.00	1258963 Ontario Inc., operating as Condominium Management Corporation<UNOFFICIAL> 1512 Walkley Road Ottawa ON	SPL

Ref No:	1440-A82UPA	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/03/14	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Other
Incident Event:	Operator/Human error	**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	HYDROCARBON LIGHT	**Site Address:**	1512 Walkley Road
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/03/14	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Equipment Failure	**Source Type:**	
Site Name:	Oil leaking from commercial van to CB. <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	City of Ottawa: commercial van leaking oil to CB. Walkley Rd.		
Contaminant Qty:	50 L		

Unplottable Summary

Total: 13 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	417 Infiniti Nissan Limited		Ottawa ON	
CA	CITY OF OTTAWA NON-PROFIT HOUSING CORP.	FAIRLEA CR. TOWNHOUSE PROJ.	OTTAWA CITY ON	
CA	OTTAWA CITY	WALKLEY RD., HAWTHORNE BUS.PK.	OTTAWA CITY ON	
CA	CITY OF OTTAWA NON-PROFIT HOUSING CORP.	FAIRLEA CR. TOWNHOUSE PROJ.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	WALKLEY RD.	OTTAWA CITY ON	
CA	Clark Quarry	Lots 1 & 2, Concession 4	Ottawa ON	
CA	Conroy Plaza	Lot A, Concession 4 (RF)	Ottawa ON	
CA	STM SYSTEMS CORPORATION	OTTAWA BUSINESS PK WALKLEY RD.	OTTAWA CITY ON	
EBR	Karson Kartage & Konstruction (1994) Limited	Lots 1 & 2, Concession 4 Ottawa Ontario Ottawa	ON	
EHS		Fairlea Cres	Ottawa ON	
NDFT		Walkley Rd, Ottawa	ON	
SPL	PRIVATE OWNER	SUNNY'S GAS BAR PARKING LOT WALKLEY RD MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	UNKNOWN	FAIRLY & HEATHERINGTON STS.	OTTAWA CITY ON	

Unplottable Report

Site: ***417 Infiniti Nissan Limited***
Ottawa ON

Database: ***CA***

Certificate #:	4527-7N3KUL
Application Year:	2009
Issue Date:	1/7/2009
Approval Type:	Industrial Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CITY OF OTTAWA NON-PROFIT HOUSING CORP.***
FAIRLEA CR. TOWNHOUSE PROJ. OTTAWA CITY ON

Database: ***CA***

Certificate #:	7-0041-86-
Application Year:	86
Issue Date:	2/14/1986
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***OTTAWA CITY***
WALKLEY RD., HAWTHORNE BUS.PK. OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-0448-93-
Application Year:	93
Issue Date:	6/18/1993
Approval Type:	Municipal sewage
Status:	Preliminary approval
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CITY OF OTTAWA NON-PROFIT HOUSING CORP.***
FAIRLEA CR. TOWNHOUSE PROJ. OTTAWA CITY ON

Database: ***CA***

Certificate #:	3-0060-86-
Application Year:	86

Issue Date: 2/14/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
WALKLEY RD. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1116-87-
Application Year: 87
Issue Date: 7/9/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Clark Quarry***
Lots 1 & 2, Concession 4 Ottawa ON

Database: ***CA***

Certificate #: 1962-572R6D
Application Year: 02
Issue Date: 5/8/02
Approval Type: Industrial sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Karson Kartage & Konstruction (1994) Limited
Client Address: P.O. Box 264, 3725 Carp Road
Client City: Carp
Client Postal Code: K0A 1L0
Project Description: The company operates a limestone quarry and supplies aggregate for heavy construction projects throughout Eastern Ontario. The quarry is dewatered. Surface water runoff and groundwater is pumped from the quarry sump to on-site retention/settling pond. Effluent from the pond discharges to on-site ditch that subsequently discharges off-site. The receiving water body is Feedmill Creek which discharges to the Carp River. The Carp River eventually discharges to the Ottawa River at Fitzroy Harbour, approximately 37 km downstream.
Contaminants:
Emission Control:

Site: ***Conroy Plaza***
Lot A, Concession 4 (RF) Ottawa ON

Database: ***CA***

Certificate #: 6733-4QVQH4
Application Year: 00
Issue Date: 11/21/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: 1374441 Ontario Inc.
Client Address: 15 Antares Drive
Client City: Nepean
Client Postal Code: K2E 7Y9
Project Description: Stormwater Management for quality control of roof top and surface drainage.
Contaminants:

Emission Control:

Site: ***STM SYSTEMS CORPORATION***
OTTAWA BUSINESS PK WALKLEY RD. OTTAWA CITY ON

Database: ***CA***

Certificate #: 8-4110-89-
Application Year: 89
Issue Date: 12/13/1989
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: EMERGENCY POWER SYSTEM
Contaminants:
Emission Control:

Site: ***Karson Kartage & Konstruction (1994) Limited***
Lots 1 & 2, Concession 4 Ottawa Ontario Ottawa ON

Database: ***EBR***

EBR Registry No: IA02E0109
Ministry Ref No: 3864-56TL4Y
Notice Type: Instrument Decision
Notice Stage: 800484177
Notice Date: May 09, 2002
Proposal Date: January 28, 2002
Year: 2002
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (OWRA s. 53(1)) - Approval for sewage works
Off Instrument Name:
Posted By:
Company Name: Karson Kartage & Konstruction (1994) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: P.O. Box 264, 3725 Carp Road, Carp Ontario, K0A 1L0
Comment Period:
URL:

Site Location Details:

Lots 1 & 2, Concession 4 Ottawa Ontario Ottawa

Site:
Fairlea Cres Ottawa ON

Database: ***EHS***

Order No: 20040715023
Status: C
Report Type: Custom Report
Report Date: 7/20/04
Date Received: 7/15/04
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.64253
Y: 45.375968

Site:
Walkley Rd, Ottawa ON

Database: ***NDFT***

Property Id: K6171
Base Name: (0002) CF SUPPORT UNIT (OTTAWA)
Status: Tank currently active
Status As Of: May 25, 2001

Tank Class:	Waste oil storage
Install Year:	1994
Tank Type:	Aboveground Shop-fabricated
Last Year Used:	
Tank Contents:	Waste oil/used oil
Capacity (L):	1500

Site: ***PRIVATE OWNER***
SUNNY'S GAS BAR PARKING LOT WALKLEY RD MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No:	70723	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/16/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20101
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	WORKS, SEWER BRANCH.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/16/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PRIVATE OWNER - 2L ANTI- FREEZE INTO CATCH BASIN & SOME ON PARKING LOT.		
Contaminant Qty:			

Site: ***UNKNOWN***
FAIRLY & HEATHERINGTON STS. OTTAWA CITY ON

Database: ***SPL***

Ref No:	3644	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/13/1988	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/13/1988	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	LIGHT FUEL OIL DISCOVEREDIN MANHOLE BY CITY, REQUEST MOE AT SCENE.		
Contaminant Qty:			

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 Natural Resources maintains a database of all active 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 Sep 2020

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-Oct 2018

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-Dec 31, 2020

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 2018

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: Jul 31, 2020

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-Dec 31, 2020

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 -Dec 2020

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 2020

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Dec 31, 2020

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 - Sep 2020

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: Jul 31, 2020

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-Dec 31, 2020

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, 2020

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- Dec 31, 2020

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-Oct 31, 2020

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 ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

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, 2019

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: Jul 31, 2020

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-Sep 2020

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: May 31, 2018

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: Jul 31, 2020

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-Jul 31, 2020

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 2018

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 in 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: Jul 31, 2020

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: Feb 28, 2019

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-Jan 2020

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, 2018

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-Apr 2018

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-Sep 30, 2020

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: 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.

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-Aug 31, 2020

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-Jun 2020

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 all 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, 2020

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-Dec 31, 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 in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Dec 31, 2020

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: 1986-2016

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 2020

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-Dec 31, 2020

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 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.

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all 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. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

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 - Dec 2020

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: Jul 31, 2020

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-Dec 31, 2020

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: Apr 30, 2020

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.

ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property: *1770 Heatherington Road, Ottawa, Ontario*
Report Type: *City Directory*
Order No: *21020800093*
Information Source: *Vernon's Ottawa & Area, Ontario City Directory*
Date Completed: *19/02/2021*

Note addendum regarding documentation results

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

City Directory Information Source	
Vernon's Ottawa & Area, Ontario City Directory	
PROJECT NUMBER: 21020800093	
Site Address:	1770 Heatherington Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even)	-Information Inaccessible
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1610-Tim Horton's 1620-Penningtons
Year: 2005-06	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even)	-All Residential

Missing (2910-2912)	2920-Multi-Tenant Residential
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1610-Tim Horton's 1620-Penningtons
Year: 2001-02	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even) **Missing (2910-2912)**	-All Residential 2920-Multi-Tenant Residential -Urbandale Corp -Fairlea Village
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1610-Tim Horton's 1620-Penningtons

Year: 1995-96	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even) **Missing (2910-2912)**	-All Residential 2920-Multi-Tenant Residential
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1620-Walkley Nissan
Year: 1988-89	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even) **Missing (2910-2912)**	-All Residential 2920-Multi-Tenant Residential
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible

Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1620-Walkley Nissan
Year: 1984	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible
Fairlea Crescent (2910-2920 even) **Missing (2910-2912)**	-All Residential 2920-Multi-Tenant Residential
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1620-Walkley Datsun
Year: 1979	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Information Inaccessible

Fairlea Crescent (2910-2920 even) **Missing (2910-2912)**	-All Residential 2920-Multi-Tenant Residential
Fairlea Crescent (3040-3060)	-Information Inaccessible
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential 1620-Brennan Bros. Motors
Year: 1974	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Street Not Listed
Fairlea Crescent (2910-2920 even)	-Street Not Listed
Fairlea Crescent (3040-3060)	-Street Not Listed
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential

Year: 1969	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Street Not Listed
Fairlea Crescent (2910-2920 even)	-Street Not Listed
Fairlea Crescent (3040-3060)	-Street Not Listed
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential
Year: 1965	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Street Not Listed
Fairlea Crescent (2910-2920 even)	-Street Not Listed
Fairlea Crescent (3040-3060)	-Street Not Listed
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible

Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-All Residential
Year: 1959	
Site Listing:	-Unable to note specific information related to the site(s) in question due to limitations placed on our research ability
Adjacent Properties:	
Heatherington Road (1620-1800)	-Information Inaccessible
Angela Private (All)	-Information Inaccessible
Corley Private (All)	-Information Inaccessible
Fairlea Crescent (1650-1660 even)	-Street Not Listed
Fairlea Crescent (2910-2920 even)	-Street Not Listed
Fairlea Crescent (3040-3060)	-Street Not Listed
Irma Private (All)	-Information Inaccessible
Jenny Private (All)	-Information Inaccessible
Reardon Private (80-140)	-Information Inaccessible
Reardon Private (550-635)	-Information Inaccessible
Theresa Private (All)	-Information Inaccessible
Walkley Road (1555-1735) **Missing (1555-1609)**	-No Listings Within Radius

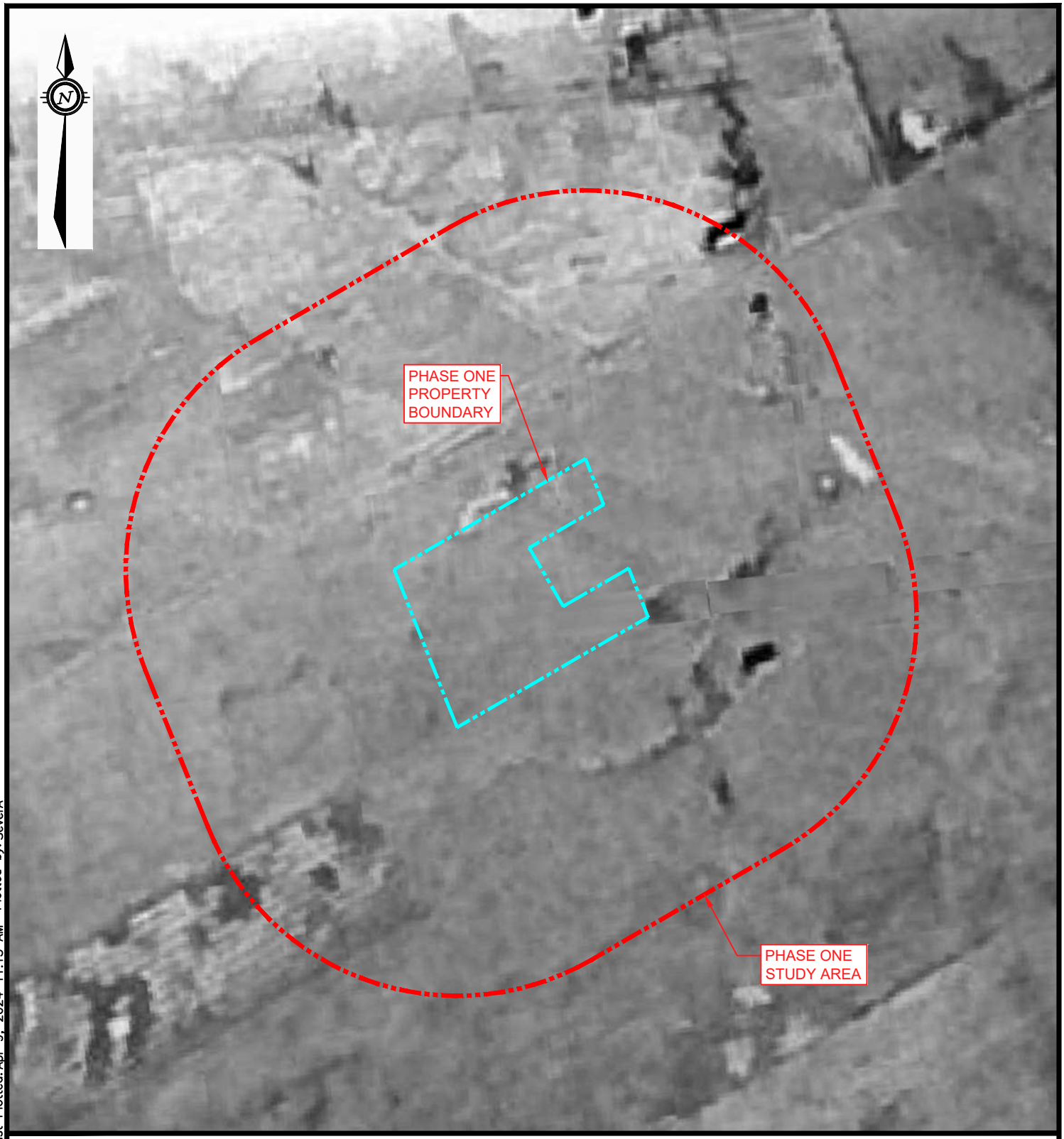
-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory.

Absent addresses are inaccessible at this time*

****Due to unforeseen circumstances resulting from the Covid-19 pandemic of 2020, access to information sources has been prohibited. While all additional measures were undertaken in order to provide accurate information where possible, some project searches yielded no results****

Appendix F:
Aerial Photographs



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

EXP Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6
www.exp.com

DESIGN	C.K.
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

1945 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G1

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\Hist-Aerial-Photos_Figures\18293-J5 Appendix G.dwg
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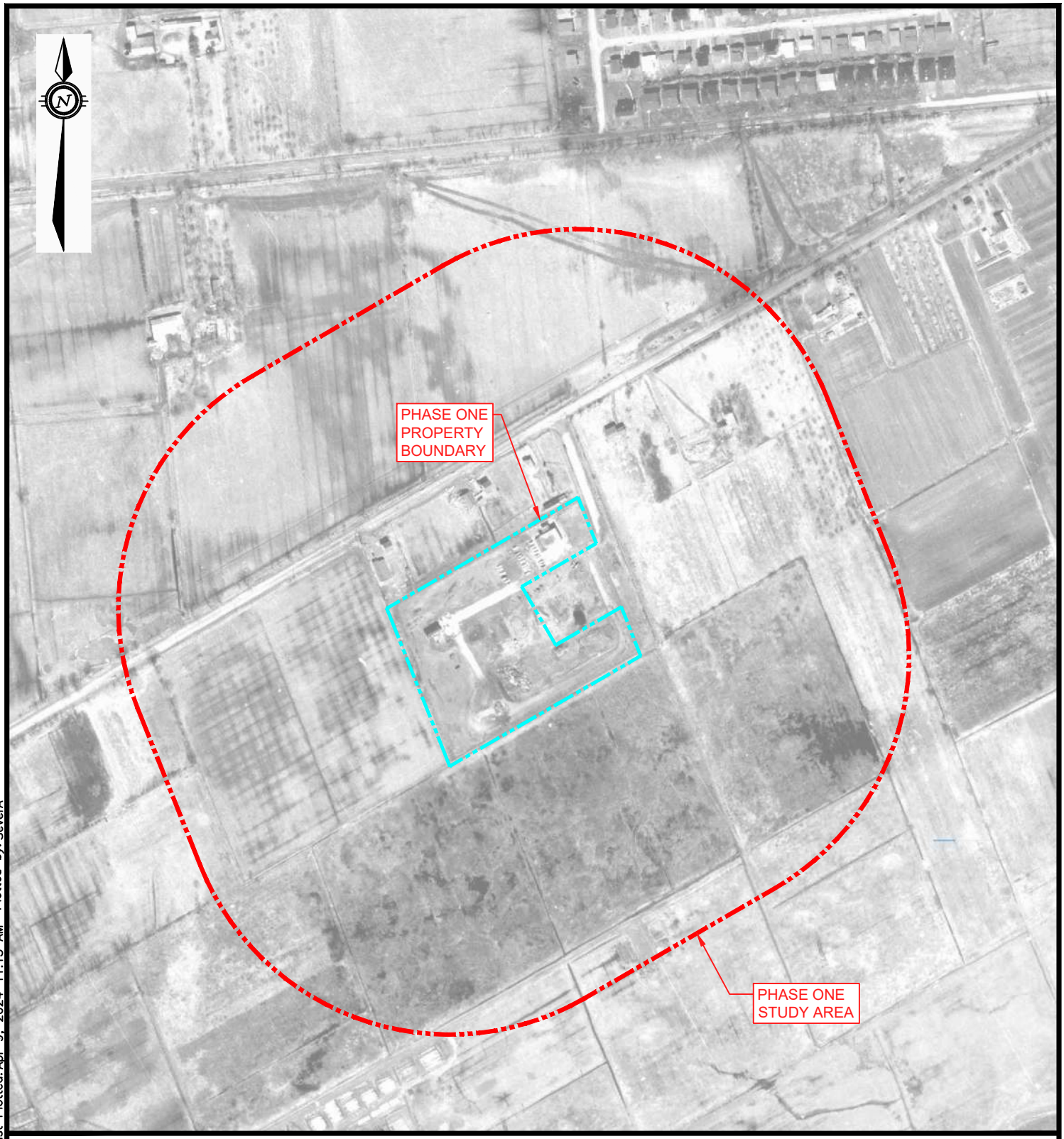

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

EXP Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6
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DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

1958 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G2

Filename: P:\Projects\Environmental\18000\18200\OTEN00018293 Ottawa SOA – Phase I & II\18293-J5 2015 Finalization of RA and RSC Close out\2024 Figures Edits\Hist-Aerial-Photos_Figures\18293-J5 Appendix G.dwg
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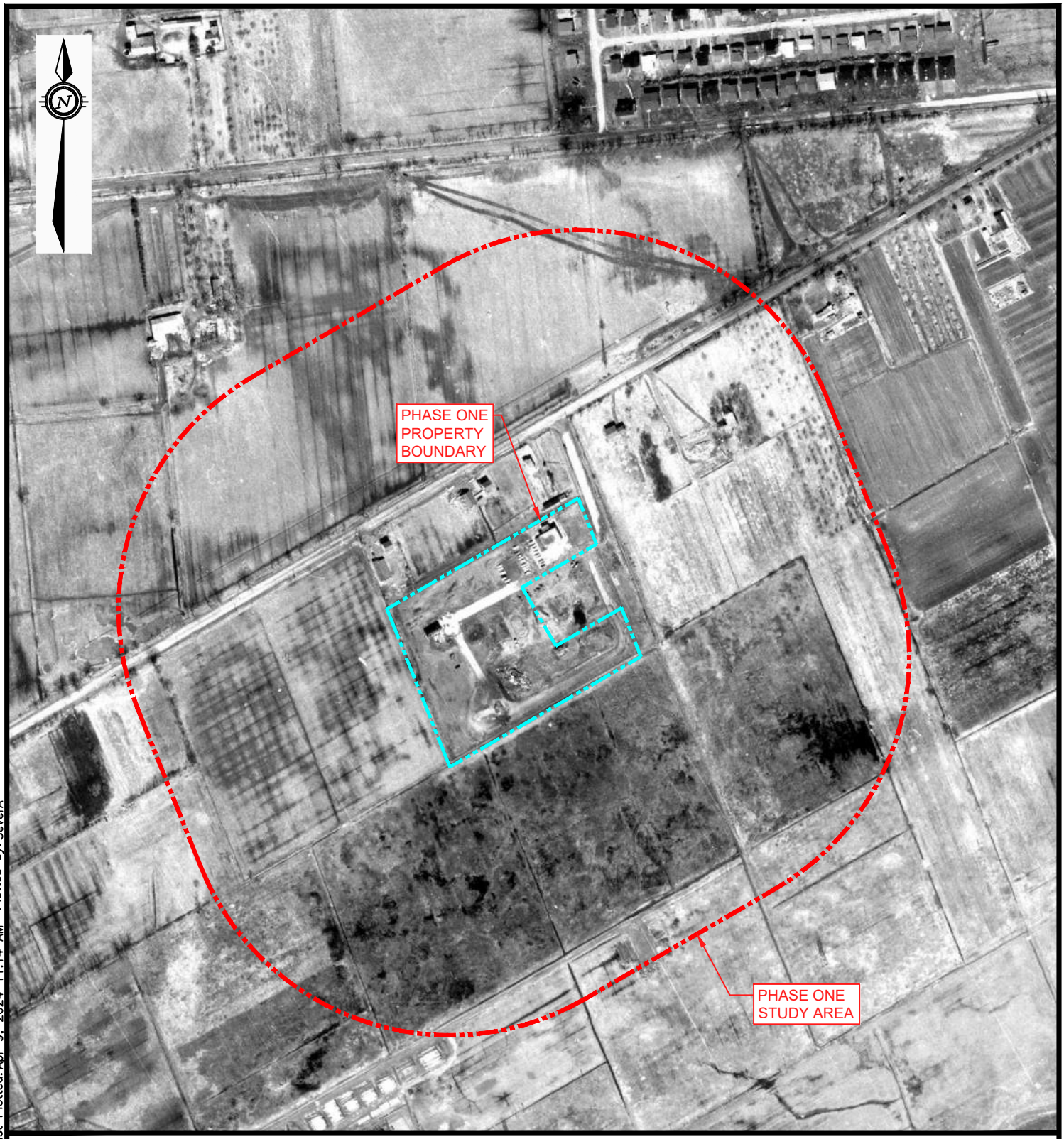

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m
HORIZONTAL 1:5,000

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PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

1965 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G3

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LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

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Ottawa, ON K2B 8H6
www.exp.com

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DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

1976 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G4

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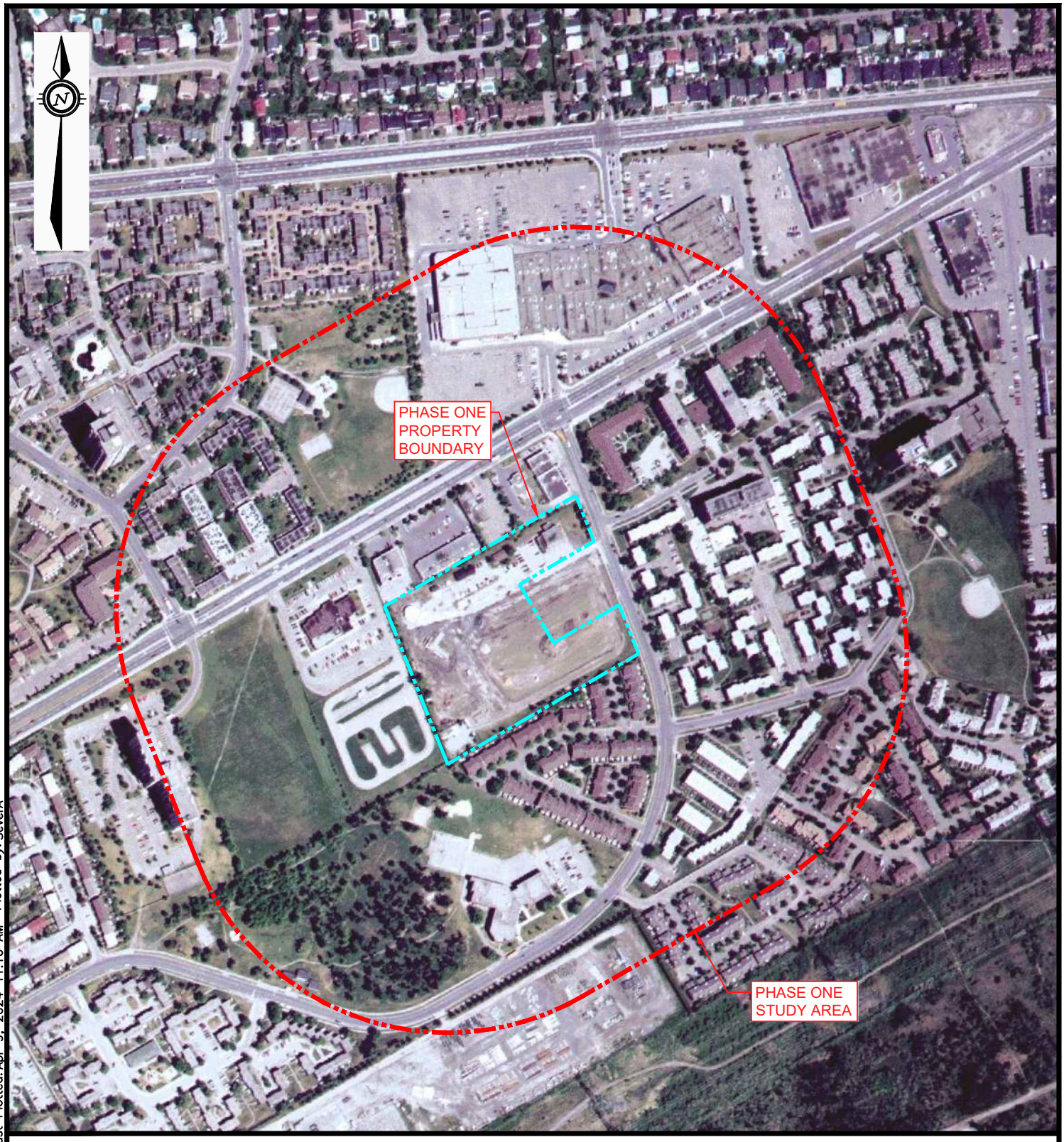

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

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DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

1999 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G5

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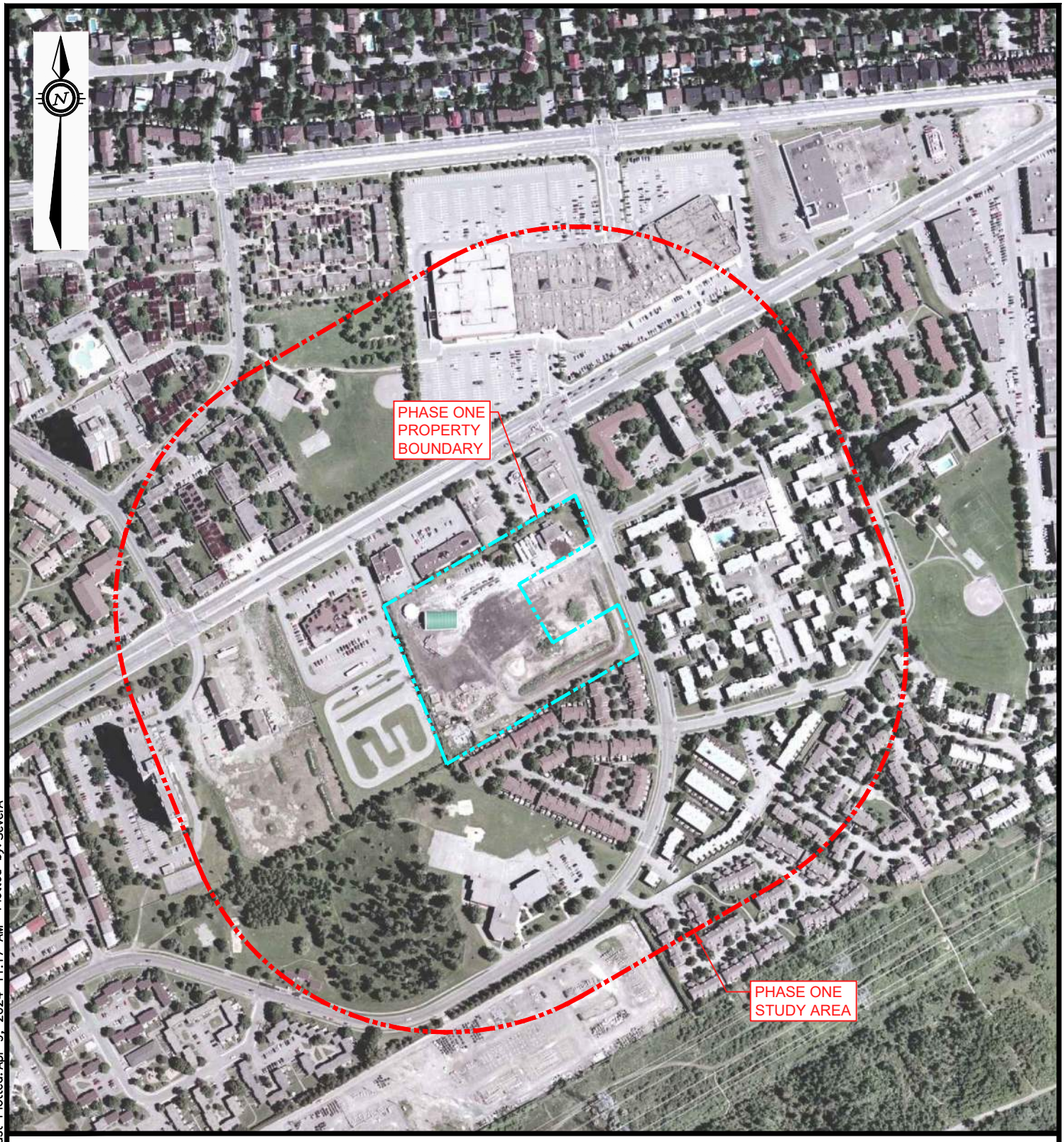

LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

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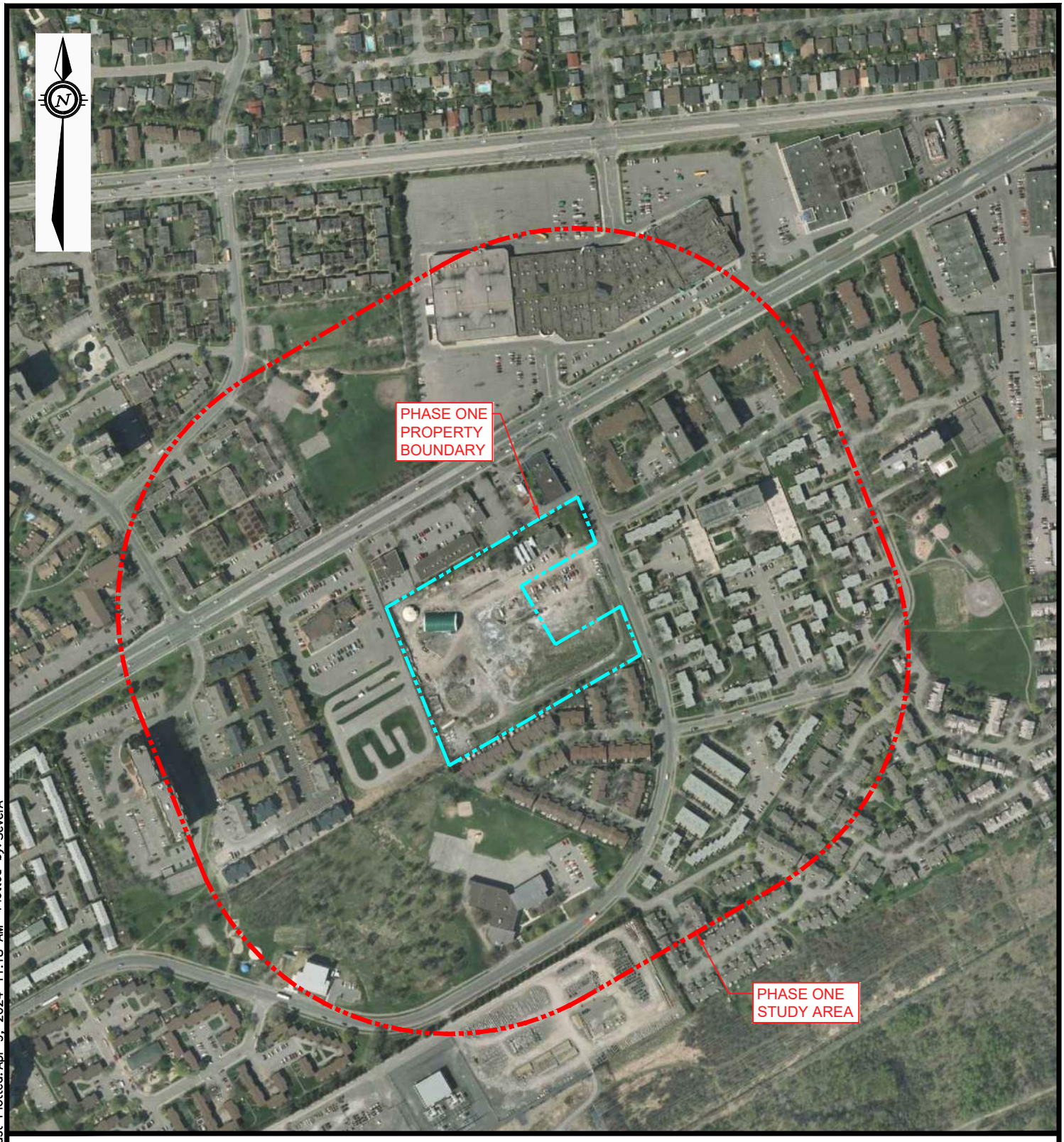
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

2005 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G6



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

EXP Services Inc.
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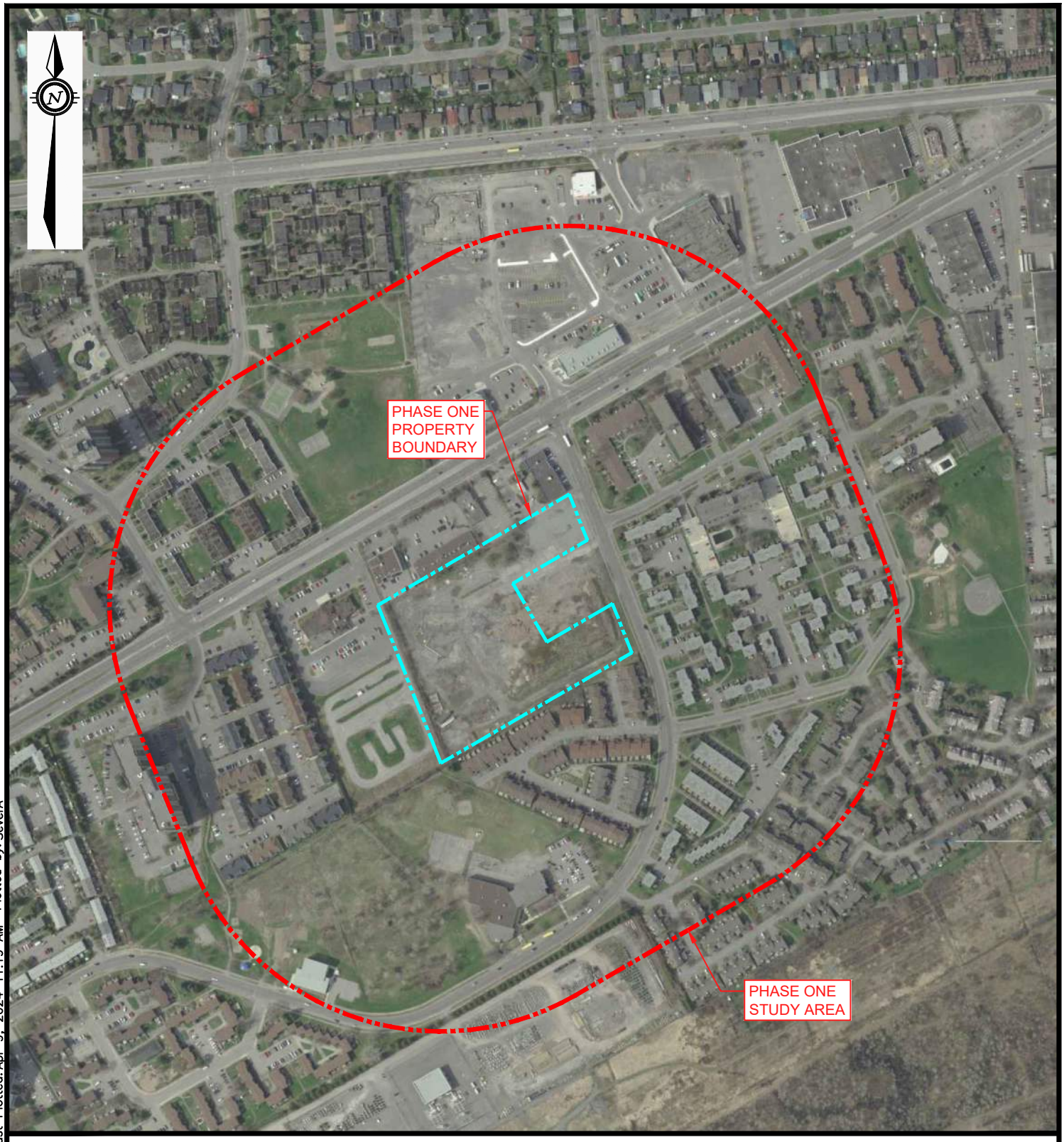
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

2011 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G7



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

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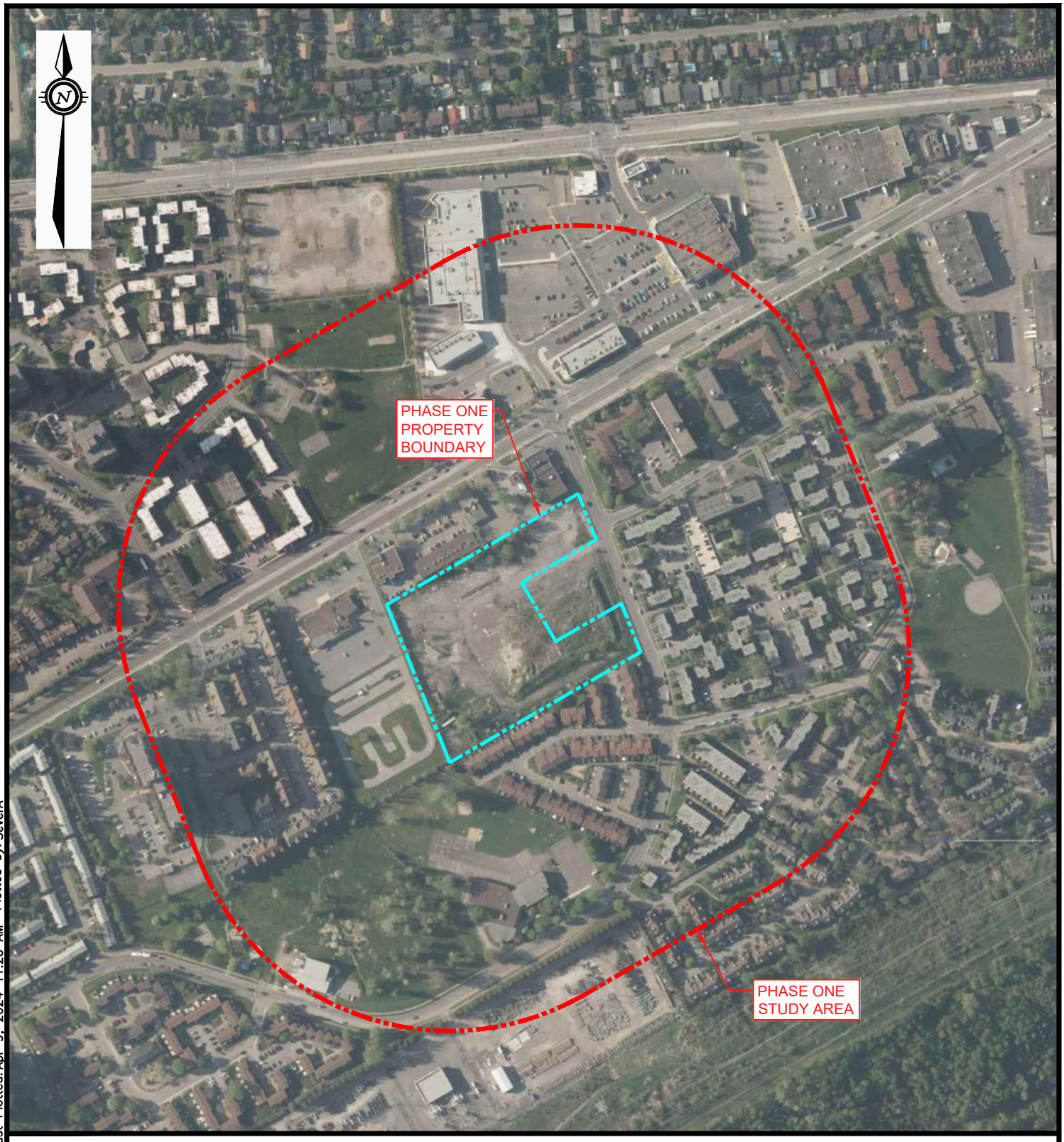
DESIGN	C.K.
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

2014 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G8



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m

HORIZONTAL 1:5,000

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Ottawa, ON K2B 8H6
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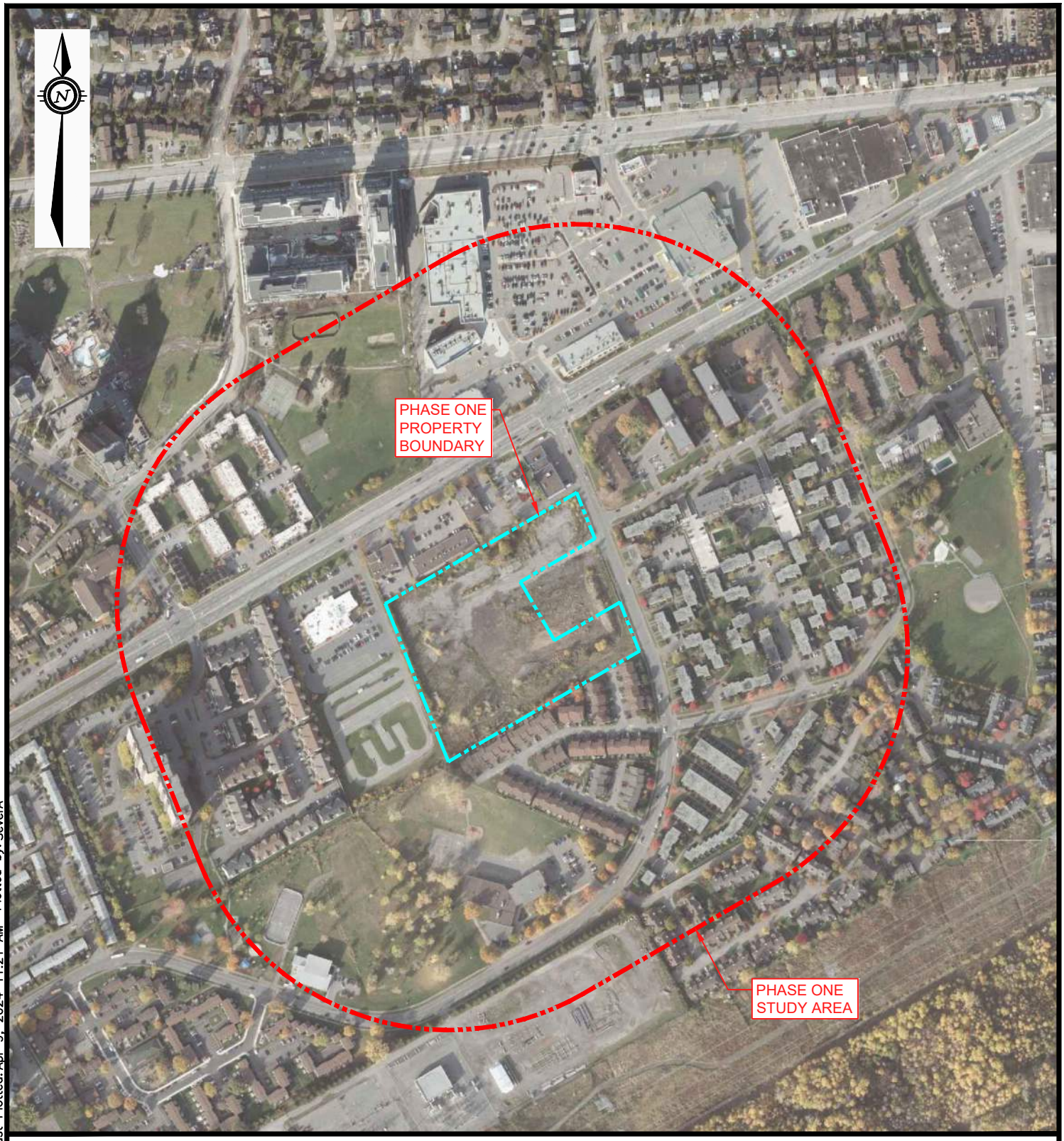
DESIGN	C.K.
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

2017 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G9



LEGEND

PROPERTY BOUNDARY

STUDY AREA (250m)

0 50m 100m 200m
HORIZONTAL 1:5,000

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DESIGN	C.K.
DRAWN	T.M. / A.S.
DATE	APRIL 2024
FILE NO	OTT-00018293-J5

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT
East-Central Portion of 1770 Heatherington Road, Ottawa, Ontario

2019 AERIAL PHOTOGRAPH

SCALE 1:5,000

SKETCH NO FIG G10

Appendix G: Photographs

Photograph No. 1

View of site facing northeast

Photograph No. 2

View of site facing east

Photograph No. 3

View of site facing southwest

Photograph No. 4

View of site facing southeast

Appendix H:
Legal Notification

Legal Notification

This report was prepared by EXP Services Inc. for the account of **City of Ottawa**.

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