



# Terraprobe

Consulting Geotechnical & Environmental Engineering  
Construction Materials Inspection & Testing

**PHASE ONE  
ENVIRONMENTAL SITE ASSESSMENT  
DERRY ROAD AND ARGENTIA ROAD INTERSECTION  
MISSISSAUGA, ONTARIO**

**Prepared for:** HDR Corporation  
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Toronto, Ontario  
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**Attention:** Mr. Andrew O'Connor

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## 1.0 EXECUTIVE SUMMARY

Terraprobe Inc. (Terraprobe) was retained by HDR Corporation to conduct a Phase One Environmental Site Assessment (ESA) of the property consisting of portions of Derry Road West and Argentia Road within 300 m of their intersection, in Mississauga, Ontario, hereinafter referred to as “the Property or Property”. The Phase One Property (the Property) consists of a 300 m stretch of Derry Road West (east-west) and Argentia Road (north-south) on each side of Derry Road/Argentia Road intersection located in Mississauga, Ontario. Derry Road is six lane alignment with additional turning lanes asphalt paved roadway and Argentia Road is a four lane asphalt paved roadway. The Property includes roadways, associated right-of-ways, and boulevards extending to 300 m east and west (Derry Road) and north and south (Argentia Road) of the intersection. There is an existing Highway 401 overpass on Derry Road east of the intersection and a railway bridge located 300 m west of the intersection. Both structures are not considered to be part of the Property.

Derry Road West was constructed prior to 1954, and Argentia Road was constructed during the 1980's. Prior to construction of the roadways, the Property was used for agricultural purposes. The Property is proposed to be re-developed with improvement of the existing intersection.

The surrounding properties are commercial and industrial in land use. Site features are presented on the Site Plan (Figure 2).

The Property is proposed to be re-developed to improve the intersection. The Phase One ESA was required for due diligence purposes prior to the proposed intersection improvements. The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in O.Reg.153/04.

The identified Potentially Contaminating Activities (PCAs) at the Property included the following:

1. Suspected fill material placed in utility trenches and underneath the pavement structures at the Property during construction of the roadways;
2. Use of road salts for de-icing purposes in winter.

Due to use of the Property as public roadways, the PCAs at the Property does not represent a significant environmental concern. Therefore, there are no areas of potential environmental concern identified at the Property or lands immediately adjacent. However, quality of fill present at the site should be tested. A soil sampling and analysis program during geotechnical investigation should be completed to assess the soil quality present at the site.



## **2.0 INTRODUCTION**

Terraprobe Inc. (Terraprobe) was retained by HDR Corporation to conduct a Phase One Environmental Site Assessment (ESA) of the property consisting of portions of Derry Road West and Argentia Road within 300 m of their intersection, in Mississauga, Ontario, hereinafter referred to as “the Property or Property”. The location of the Property is presented on the Site Location Plan (Figure 1).

### **2.1 Phase One Property Information**

The Property is identified as public roadways and includes a 300 m stretch of Derry Road West and Argentia Road at the intersection of these two roadways in Mississauga. The legal description of the Property is Part of Lots 10 & 11, Concession 5, West of Hurontario Street, Toronto.

### **2.2 Site Description**

The Phase One Property (the Property) consists of a 300 m stretch of Derry Road West (east-west) and Argentia Road (north-south) on each side of Derry Road/Argentia Road intersection located in Mississauga, Ontario. Derry Road is six lane alignment with additional turning lanes asphalt paved roadway and Argentia Road is a four lane asphalt paved roadway. The Property includes roadways, associated right-of-ways, and boulevards extending to 300 m east and west (Derry Road) and north and south (Argentia Road) of the intersection. There is an existing Highway 401 overpass on Derry Road east of the intersection and a railway bridge located 300 m west of the intersection. Both structures are not considered to be part of the Property.

Derry Road West was constructed prior to 1954, and Argentia Road was constructed during the 1980's. Prior to construction of the roadways, the Property was used for agricultural purposes. The Property is proposed to be re-developed with improvement of the existing intersection.

The surrounding properties are commercial and industrial in land use. Site features are presented on the Site Plan (Figure 2).

### **2.3 Buildings**

The Property consists of public roadways. There is no building located on the Property.

### **2.4 Purpose of Investigation**

The Phase One ESA is conducted for the Property prior to the proposed improvements to the intersection. The objectives of the Phase One ESA were as follows:

- To assess the environmental condition of the Property.



- To identify potentially contaminating activities within the Phase One Study Area (Study Area). The Phase One Study Area consists of the area within 300 m radius of the intersection of Derry Road and Argentia Road.
- Based on the above, to identify issues of obvious or potential environmental concern with respect to the property.
- Evaluation of the information and documentation of the results of the review.

The Phase One ESA was completed to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04 (O.Reg.153/04) as amended.



### **3.0 SCOPE OF INVESTIGATION**

The Phase One ESA involved the following principal tasks:

- A review of records and reports regarding historical and current occupancy and activities for the Property and Study Area.
- Interviews with available individuals having knowledge of current and/or past site activities.
- An inspection of the Property and observation of the Study Area.

The information on the Property and Study Area is summarized in this report. Sampling and analysis of soil, ground water, or other materials (e.g., construction materials, air) were not carried out as part of the investigation.

#### **3.1 Records Review**

The records review provides information on historical and current activities. The objectives of the records review were as follows:

- To obtain and review records that relate to the current and past uses, site features and activities at the Property.
- To obtain and review records that relate to potentially contaminating activities, water bodies, and areas of natural significance in the Study Area (in addition to the Property).
- Based on the above, to provide an assessment of actual and potential contaminating activities and concerns with respect to the environmental condition of the Property.

The following sources of information were reviewed:

- Archival information for the site including aerial photographs, topographic maps, historical maps and drawings.
- Property-specific environmental reports and/or company records (e.g., Certificates of Approval, waste generator registration, approvals, and permits) provided to Terraprobe.
- Geological and hydrogeological information in published government maps and/or reports.
- Databases maintained by Ecolog ERIS containing environmentally related information from private, provincial, and federal sources.
- Fire insurance plans and insurance inspection reports.
- Property ownership records.
- Published Ontario Ministry of the Environment (MOE) directories related to registered PCB storage sites and active and closed landfill sites.
- The Ontario Ministry of Natural Resources (MNR) Natural Heritage Information Centre database for information specific to natural areas, such as locations of environmentally sensitive areas.
- Published information regarding an Official Plan for the area.



- Sensitivity mapping by the local Conservation Authority.

### **3.2 Interviews**

The objectives of the interview were:

- To obtain information to assist in determining if an area of potential environmental concern exists.
- To identify details of potentially contaminating activities or potential contaminant pathways in, on or under the Property.

Key personnel were interviewed and asked questions related to specific site activities, such as:

- The nature of the operations.
- Handling and storage of environmentally sensitive products and related wastes.
- Environmental approvals and registrations.
- Knowledge of previous reports related to the environmental condition of the Property.
- Issues related to non-compliance, orders, or charges related to environmental conditions on the Property.

### **3.3 Site Reconnaissance**

The objectives of the site reconnaissance were:

- To identify potential environmental concerns based on observations of current and past uses, and potentially contaminating activities at the Property and in the Study Area.
- To identify potential pathways for contamination at the Property and Study Area.

The Property reconnaissance included a review of issues of potential environmental concern, including the following:

- Activities and practices including site operations, processes and waste management currently carried out on the Property.
- Evidence of past waste disposal, landfill or fill placement on the Property.
- The presence of hazardous or toxic chemicals, materials or processes.
- The presence of existing or former aboveground or underground fuel storage tanks.
- Identification of heating and cooling systems.
- The presence of floor cracks, hydraulic hoists, elevators, sumps and drains, wells, pits and lagoons.
- Identification of water supply source to the Property.





- The presence of various designated substances and building materials, including friable and non-friable asbestos, PCB-containing materials and electrical equipment, lead-based paint, mould, and chlorofluorocarbons (CFCs) in air-conditioning and refrigeration equipment.
- Evidence of stained or odorous soils and stressed vegetation.

In addition, an inspection of adjacent properties within the Study Area (identified in Section 4.1.1) was completed to assess the potential for operations being carried out on those properties to impact on the environmental condition of the Property. The inspection of adjacent properties was limited to inspection from the Property boundaries and public areas (road, sidewalks, etc.).

### **3.4 Documentation and Evaluation of Information**

The information obtained from the records review, interviews and site reconnaissance was described, documented and evaluated as summarized below:

- Documentation of information, as noted in subsequent sections of the report.
- Description of current and past uses of the Property
- Description of potentially contaminating activities.
- Description of areas of potential environmental concern.
- Development of a Phase One Conceptual Site Model.
- Discussion of the need, if any, for further investigation.



## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **4.1.1 Phase One Study Area Determination**

Based on the quaternary geology, and the historical development and land use on the Property and surrounding area, it was determined that a 300 m radius around the centre of the Property (Derry Road and Argentia Road intersection) was sufficient to identify issues of potential environmental concern that could potentially impact on the environmental condition of the Property. The Phase One Study Area (the Study Area) is bounded by industrial/commercial properties along Argentia Road to the north, east, west and south, industrial property at Meadowvale Boulevard to the northeast and industrial property at Century Avenue to the southeast. The Study Area is shown in Figure 2.

#### **4.1.2 First Developed Use Determination**

The determination of first developed use was based on the review of aerial photographs, Property occupancy records, and fire insurance plans. Based on the information, the Property was first developed prior to 1954 with Derry Road while remainder of the property was agricultural farm land until at least 1978. Argentia Road was constructed during the early 1980's. The Property has been used as public roadway since then.

#### **4.1.3 Fire Insurance Plans and Insurance Inspection Reports**

The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was reviewed and the Metropolitan Toronto Reference Library (MTRL) was searched to determine if fire insurance plans (FIPs) for the Property existed. Based on a review of the Catalogue and search at the MTRL, no FIPs were available for the Site.

#### **4.1.4 Chain of Title**

The Property consists of roadways (portions of Derry Road and Argentia Road). As such, a chain of title search for the Property was not conducted. Derry Road is owned by the Region of Peel while Argentia Road is owned by the City of Mississauga.

#### **4.1.5 City Directory Search**

The available Peel Region Directories dated 1991, 1994, 1998 and 2000, were reviewed at the Toronto Reference Library in order to identify the occupancy history of the Property and the Study Area for potential environmental concerns. The Property consists of roadways, and as such, was not listed in the city directories. The following is a summary of the review of city directories of the adjacent properties and surrounding properties located potentially up-gradient of the Property.



- The property located southeast of the Property at 2501 Argentia Road was occupied by Light Hearts Lounge, Quiney's Restaurant, Radison Hotel Toronto in 2000, by Chimo Hotels in 1998, and by Best Western Chimo Hotel in 1994. Based on the company names and operations, the potential for the uses at this property to pose an environmental liability to the Property was considered to be low.
- The property located southwest of the Property at 2476 Argentia Road was occupied by multiple offices and a church during 1994 to 2000. Another property located southwest of the Property at 2480 Argentia Road was used as a self-storage facility during 1991 to 2000. Based on the uses, these properties are not considered to pose an environmental liability to the Property.
- The property located northwest of the Property at 2550 Argentia Road was occupied by multiple commercial tenants and used for offices during 1991 to 2000. Based on the uses, this property is not considered to have posed an environmental liability to the Property.
- The property located northwest of the Property at 2600 Argentia Road was occupied by Canada Power Products Corporation and Dacascan Ltd. in 2000, and by Vadeko International Inc. during 1991 to 2000. No information of environmental concern was found related to the uses of the property that may have posed an environmental liability to the Property.
- The property located northwest of the Property at 2640 Argentia Road was occupied by ISECO Industrial Safety Equipment Co. Ltd. during 1991 to 2000. The company prepares safety footwear and work apparel. Based on the uses, this property is not considered to have posed an environmental liability to the Property.

#### **4.1.6 Environmental Reports**

According to the client no environmental reports were available for the Property.

## **4.2 Environmental Source Information**

### **4.2.1 EcoLog ERIS**

EcoLog Environmental Risk Information Services Ltd. (ERIS) is an organization that searches various government and private environmental databases. A search of the EcoLog ERIS Ltd. databases was requested for the Property and Study Area. The ERIS Report is provided in Appendix A.

A review of EcoLog ERIS report provided the following information in the selected databases for the Property:

- Three boreholes were identified at the Property, located in the vicinity of Highway 401 overpass structure. The boreholes were identified as geotechnical/geological investigation boreholes drilled to the depths of 4 to 7 m into bedrock in 1957. No information about depth of groundwater was provided.

The following records were found pertaining to the Phase One Study Area:

- The adjacent property to the northwest of the Property, located at 2550 Argentia Road was listed in the Scott's Manufacturing Directory (1984 to 1996) as: computer, computer peripheral and pre-packed software wholesaler distributors; service establishment machinery, equipment and



supplies wholesaler distributors; carpet & rug mills; all other textile product mills; floor covering wholesaler distributors; computer and peripheral equipment manufacturing; computer systems design and related services; research & development in the physical, engineering and life sciences; chemical (except agricultural) and allied product wholesale distributors; environmental consulting services; manufacturing and reproducing magnetic and optical media; industrial machinery & equipment; and software publishers. Based on the nature of the activities and uses, this property is not considered to be a significant concern to the Property.

- The adjacent property to the northwest of the Property, located at 2600 Argentia Road (occupied by Vadeko International Inc., Canada Power Products Corporation, Quindar Products Limited, and Survalent Technology Corp.) was listed in the Scott's Manufacturing Directory as manufacturer of all other general purpose machinery, computer and peripheral equipment, radio and television broadcasting and wireless communication equipment, audio and video equipment, semiconductor and other electric component, measuring, medical and controlling devices, magnetic and optical media, switchgear and switchboard, and relay and industrial control apparatus, and distributors of the manufactured products. This property was listed in the database (1990 to 2012) as generator of hazardous wastes including; wastes from the use of pigments, coatings and paints, polymeric resins, emulsified oils, organic and inorganic laboratory chemicals, aliphatic solvents, petroleum distillates, and oil skimmings and sludges. Given the short duration of the uses and presence of low hydraulic permeability soils in the area, this property is not considered to be a significant concern to the Property.
- The adjacent property to the northwest of the Property, located at 2626 Argentia Road (occupied by CIBA Specialty Chemicals Canada Inc., BASF Canada Inc., Shoplogix Inc., and Maple Leaf Poultry) was listed in the Scott's Manufacturing Directory as: wholesaler distributors of paint, glass and wallpaper, industrial machinery, equipment and supplies, chemical (except agricultural) and allied product; and manufacturer of magnetic and optical media; and computer systems design and related services. This property was listed in the database (2007 to 2009) as generator of hazardous wastes including; alkaline wastes-heavy metals and acid wastes-heavy metals. Given the short duration and nature of the wastes generated, this property is not considered to be a significant concern to the Property.
- One water well identified as domestic water supply well of 1957 was located approximately 95 m to the southwest of the Property. The well was constructed into bedrock to the depth of 35 ft. and static water level was noted at 15 ft. The overburden soils encountered consisted predominantly of sand, silt and clay.
- Four boreholes identified as geotechnical/geological investigation boreholes were located within the Study Area. The boreholes were identified as geotechnical/geological investigation boreholes drilled to the depths of 4 to 7.6 m into bedrock (encountered at 2.7 to 6.1 m depth). No information about depth of groundwater was provided. The overburden soils encountered consisted of glacial till.

There were no potentially contaminating activities identified in the EcoLog ERIS report.

#### **4.2.2 Ontario Ministry of the Environment**

The property consists of roadways, as such, a Freedom of Information Request was not submitted to the Ontario Ministry of the Environment (MOE), to determine if there is information regarding orders, investigations or other information on file with respect to the Property.



MOE databases containing records of historic spills, orders and complaints were searched through EcoLog ERIS. A summary of the search results is presented in Section 4.2.1.

Directories published by the MOE related to waste disposal sites [Ref. 7] and PCB storage sites [Ref. 8], and the Brownfields Environmental Site Registry were reviewed. The following summarizes the information from those sources for the Property and Study Area:

- The MOE Waste Disposal Site Inventory did not identify any active or closed waste disposal sites within 250 m of the Property.
- There were no records of municipal coal gasification plants or industrial sites producing or using coal tar and related products for the Property or Study Area.
- The MOE Inventory of PCB Storage Sites did not identify any PCB storage sites within 250 m of the Property.
- According to the MOE Brownfields Environmental Site Registry, no Records of Site Condition have been filed for the Property.

Information from the Ontario Ministry of the Environment was also reviewed as part of the EcoLog ERIS database search, which is summarized in Section 4.2.1. In particular, information on Certificates of Approval, Compliance and Convictions, Waste Disposal Sites, PCB Storage Sites, and Waste Generators were reviewed.

#### **4.2.3 Technical Standards and Safety Authority**

The Technical Standards and Safety Authority (TSSA) maintains records related to storage tanks for petroleum related products. The TSSA was contacted to review records related to the Phase One Property and Study Area. According to Ms. Sara Quibell, Coordinator - Public Information Services, TSSA had no information regarding the Phase One Property and the Study Area. The TSSA records were also searched as part of the EcoLog ERIS database search, the results of which are summarized in Section 4.2.1. No records of fuel storage tanks were found for the Property.

#### **4.2.4 Credit Valley Conservation**

Credit Valley Conservation (CVC) was contacted regarding the Property. Mr. Jakob Kilis, Planner Environmental Assessment reported that floodplain of Mullet Creek and a tributary extend into the Property and that any works associated with intersection improvement that may have impact on the floodplain will need to be evaluated to ensure that there are no off-site impacts. An email response from CVC is provided in Appendix E. The client is advised to contact the CVC regarding plans to develop the Property.

#### **4.2.5 City of Mississauga Zoning Department**

According to the City of Mississauga online information, the property is zoned as public roadway.



## 4.3 Physical Setting Sources

### 4.3.1 Aerial Photographs

Aerial photographs from 1954, 1971, 1978, and 1985, and satellite imageries of 2000 were reviewed. The state of development of the Property and Study Area is summarized in Table 4.3-1, below:

**Table 4.3-1: Development of Property and Surrounding Area from Aerial Photographs**

Date	Property	Surrounding Area
1954	The Property appears to be developed with Derry Road. Remainder of the Property is agricultural farm land.	The surrounding area appears to be agricultural farm land. A railway overpass crosses Derry Road at the west end of the Property. A tributary crosses the west portion of Derry Road.
1961	East portion of Derry Road re-aligned. Highway 401 overpasses east stretch of Derry Road. No other significant changes.	Highway 401 built to the east side of the Property. Derry Road re-aligned at the east end of the Property and beyond. No other significant changes.
1971	No significant changes.	No significant changes.
1978	No significant changes.	Area farther to the west/southwest developed as a residential subdivision. Area to the southeast appears to be under development for industrial/commercial use. No other significant changes.
1985	The property is completely developed. Derry Road is widened and Argentia Road is constructed.	The area to the southeast appears to be developed with industrial/commercial buildings. The tributary crossing the west portion of Derry Road appears to be filled at the north side of the Derry Road. No other significant changes.
2000	No significant changes.	The surrounding area is developed with industrial/commercial buildings.

### 4.3.2 Topography, Hydrology, Geology

A topographic map obtained from MNR Web Site and an Ontario Base Map (1982) provided in Appendices E and F were reviewed. The Property is generally flat with the exception of the west end of Derry Road which is at lower grade at the railway crossing. The Property gently slopes down to the southeast towards Mullet Creek located approximately 60 m east of the east end of the Property.

Local ground water flow is expected to be in southeasterly direction, and regional groundwater flow is expected to the south towards the Lake Ontario.

The Property is situated in a physiographic region of Ontario known as the Peel Plain. The area is characterized by surficial deposits of clay to silt textured till/ modern alluvial deposits. The underlying bedrock consists of shale, limestone/dolostone, siltstone belonging to Queenston Formation of Upper Ordovician age.

### 4.3.3 Fill Materials

The Property consists of roadways underlain by utilities including sewer, water, gas and hydro lines. Fill material may have been placed within the utility trenches and underneath the pavement structures during construction of the roadways.



#### **4.3.4 Water Bodies and Areas of Natural Significance**

The closest water body is Mullet Creek, which is located approximately 170 m to the southeast of the Property. Terraprobe reviewed the Natural Areas Database published by the Ministry of Natural Resources (MNR). The Database lists areas of scientific, heritage, cultural, and habitat significance in Ontario. Natural areas were listed within 1 km of the site along Mullet Creek. The natural areas consisted of floral and faunal species. The natural areas map and information is provided in Appendix G.

#### **4.3.5 Well Records**

The Ontario Ministry of the Environment well records database was searched through Ecolog ERIS for records located on the Property and in the Study Area (within 300 m). The results of the search are summarized below.

- Three boreholes were identified at the Property that were drilled in the vicinity of Highway 401 overpass structure during 1957. The boreholes were identified as geotechnical/geological investigation boreholes drilled into bedrock to the depths of 4 to 7 m. No information about depth of groundwater was provided
- One water well identified as domestic water supply well of 1957 was located approximately 95 m to the southwest of the Property. The well was constructed into bedrock to the depth of 35 ft. Static water level in the well was noted at 15 ft. The overburden soils encountered consisted predominantly of sand, silt and clay.
- Four boreholes identified as geotechnical/geological investigation boreholes were located within the Study Area. The boreholes were identified as geotechnical/geological investigation boreholes drilled to the depths of 4 to 7.6 m into bedrock (encountered at 2.7 to 6.1 m depth). No information about depth of groundwater was provided. The overburden soils encountered consisted of glacial till.

The detail of the wells is provided in ERIS report available in Appendix A.

#### **4.4 Site Operating Records**

No site operating records were provided for review.



## 5.0 INTERVIEWS

Interviews were conducted by Terraprobe with the individuals identified to be the most knowledgeable about both the current and historical Property uses. The interviews were conducted in order to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on, or below the Property.

During the completion of this Phase One ESA, the following individuals were interviewed or provided the required information:

Name	Affiliation	Position
Mr. Jakob Kilis, Planner	CVC	Planner Environmental Assessment
Ms. Sara Quibell	TSSA	Coordinator Public Information Services

- The floodplain of Mullet Creek and a tributary extend into the Property. Any works associated with intersection improvement that may have impact on the floodplain will need to be evaluated to ensure that there are no off-site impacts. The client is advised to contact the CVC regarding plans to develop the Property.
- TSSA had no information regarding the Phase One Property and the Study Area.





## 6.0 PROPERTY RECONNAISSANCE

### 6.1 General Requirements

The conditions at the time of the site reconnaissance are summarized in Table 6.1-1, below.

**Table 6.1-1: Details of Site Reconnaissance**

<b>Date of Investigation</b>	September 27, 2013
<b>Time of Investigation</b>	11:00 PM to 1:00 PM
<b>Weather Conditions</b>	Sunny
<b>Duration of Investigation</b>	2 hours
<b>Was the Facility Operating?</b>	The Property was used as public roadways
<b>Person(s) Conducting Investigation and Qualifications</b>	Muhammad Shahid, P.Geo., QP <sub>ESA</sub>

### 6.2 Specific Observations at Phase One Property

The Property reconnaissance included a walking tour of the entire Property, as well as compiling written and photographic records. The dimensions and layout of the Property at the time of the site inspection are presented in the Site Plan, Figure 2. Photographs of the site are presented in Appendix C.

#### 6.2.1 Building Descriptions

The Property consists of public roadways. No building structure is located on the property.

#### 6.2.2 Below Ground Structures

The below ground structures at the Property include public utilities, such as, sewer, water, gas and hydro lines.

#### 6.2.3 Above Ground Storage Tanks

During the site visit no evidence of above ground storage tanks (AST) was observed on the property.

#### 6.2.4 Underground Storage Tanks

No evidence of underground storage tanks (UST) was found on the Property.

#### 6.2.5 Exterior Site Conditions

The Property consists of 300 m stretch of Derry Road West and Argentia Road on each side of Derry Road/Argentia Road intersection. Based on the visual observations, the roadways Within the Property are described as follows:

**Argentia Road:** Argentia Road is a four lane asphalt paved roadway with concrete curbs, concrete sidewalks and landscaped boulevards on either side of the road. Storm water collection catch basins are



located along the curbs at each side of the roadway. Sewer lines likely runs along the middle of the roadway as indicated by manholes noted during the site visit. Watermain and associated hydrants are located along the west side of the north stretch, and along the east side of the south stretch of the roadway.

***Derry Road:*** Derry Road is a six lane alignment with additional turning asphalt paved lanes two way roadway (separated by central meridian) with concrete curbs, concrete & asphalt sidewalks and landscaped boulevards. Storm water collection catch basins are located along the curbs at each side of the roadway. Sewer lines likely runs along the middle and south portion of the roadway as indicated by manholes noted during the site visit. There is an existing Highway 401 overpass on Derry Road east of the intersection and a railway overpass bridge located 300 m west of the intersection.

The Property is generally flat and gently slopes down to the southeast towards Mullet Creek with the exception of the west end of Derry Road which is at lower grade at the railway crossing.

### **6.2.6 Potentially Contaminating Activity**

No potentially contaminating activities were identified at the Phase One Property or within the Phase One Study Area. However, fill material may have been placed in the utility trenches and underneath the pavement structures during construction of the roadways. The quality of the possible fill material present at the Property is not known. As such, the possible placement of fill material at the Property is considered to be a potentially contaminating activity.

### **6.3 Enhanced Investigation Property**

An Enhanced Investigation Property is “(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” (O.Reg. 511/09).

Based on the records review and Property visit, the Property is not classified as an Enhanced Investigation Property as the property has remained in use as public roadways since its development.

#### **6.3.1 Operations at the Property**

The Property is currently used as public roadways. It is proposed to improve the intersecting roadways within the Property limits.

#### **6.3.2 Hazardous Materials**

No hazardous materials were noted on the Property during the site inspection.

#### **6.3.3 Products Manufactured**

No products are currently or were historically manufactured at the Property.



### **6.3.4 By-products and Wastes**

No by-products or wastes are generated at the property.

### **6.3.5 Raw Materials Handling and Storage Locations**

No raw materials are currently handled or stored at the Property.

### **6.3.6 Drums, Totes and Bins**

No drums, totes or bins were located on the Property at the time of the site inspection.

### **6.3.7 Oil/Water Separators**

No oil/water separators were noted at the Property. No information or evidence of historic oil/water separator was available.

### **6.3.8 Vehicle and Equipment Maintenance Areas**

No vehicle servicing activities were conducted on the Property.

### **6.3.9 Spills**

No evidence of spills was noted on the Property during the site inspection. No evidence of historical spills was provided in the Ecolog ERIS Report (see Section 4.2.1).

### **6.3.10 Liquid Discharge Points**

No evidence of liquid discharge points was noted on the Property during the site inspection.

### **6.3.11 Operations**

The Property is currently used as public roadways. No other operations were noted on the Property.

### **6.3.12 Hydraulic Lift Equipment**

No hydraulic lift equipment was present on the Property at the time of the investigation.

## **6.4 Investigation of Phase One Study Area**

A visual inspection of the adjacent properties and properties within 300 m of the Property was conducted from publically accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Property.



At the time of the site inspection, the following land uses were noted on the properties within the Study Area.

Direction	Land Uses
North	Commercial/ light industrial (Hotel, Multi-tenant offices, Warehouses), continuation of Argentia Road.
East	Highway 401 and its right of ways, continuation of Derry Road.
South	Commercial (Hotel, BMO building, Multi-tenant offices, Self-storage, Go Station Parking), continuation of Argentia Road)
West	Rail tracks overpass and continuation of Derry Road

No potentially contaminating activities were identified within the Phase One Study Area.

## 6.5 Written Description of Investigation

The Property inspection included a walking tour of the entire Property, as well as compiling written and photographic records. Site photographs are presented in Appendix F. The inspection of the Property and Phase One Study Area was conducted by Mr. Muhammad Shahid, P.Geo., on September 27, 2013.

The Property consists of 300 m stretch of Derry Road West and Argentia Road on each side of Derry Road/Argentia Road intersection located in Mississauga, Ontario. Derry Road is a six lane alignment with additional turning lanes asphalt paved roadway and Argentia Road is a four lane asphalt paved roadway. The Property includes roadways, associated right-of-ways, and boulevards extending to 300 m east and west (Derry Road) and north and south (Argentia Road) of the intersection. There is an existing Highway 401 overpass on Derry Road east of the intersection and a railway bridge located 300 m west of the intersection. Both structures are not considered to be part of the Property.

The Property is generally flat and gently slopes down to the southeast towards Mullet Creek with the exception of the west end of Derry Road which is at lower grade at the railway crossing. Local ground water flow is expected to be in southeasterly direction, and regional groundwater flow is expected to the south towards the Lake Ontario.

Derry Road West was constructed prior to 1954 and Argentia Road was constructed during the 1980's. Prior to construction of the roadways, the Property was used for agricultural purposes. The Property is proposed to be re-developed with improvement of the intersection.



## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Current and Past Uses

Current and past uses of the Property were determined from historical aerial photographs. The history of the occupancy of the site is presented in Appendix D.

### 7.2 Potentially Contaminating Activities

The Phase One Environmental Site Assessment identified the following Potentially Contaminating Activities (PCAs) on the Phase One Property (see Figure 4):

Number	Location	Potentially Contaminating Activity	Details
Phase One Property			
1	Entire Property	#30 – Importation of fill material of unknown quality	Quality of fill material suspected to be present in the utility trenches and underneath the pavement structures is not known.
2	Entire Property	Use of road salts for de-icing purposes	The soils may have been impacted with electrical conductivity (EC) and sodium adsorption ratio (SAR)
Study Area			
Not identified	na	na	na

### 7.3 Areas of Potential Environmental Concern

#### 7.3.1 Evaluation of Information

Terraprobe evaluated each components of the Phase One ESA to identify the Areas of Potential Environmental Concern (APECs) at the Phase One Property. The information has been evaluated based on the concepts of source, pathways and receptors.

#### 7.3.2 Identified Areas of Potential Environmental Concern

The Property comprises public roadways and will continue to be used for similar purposes. As such, the potentially contaminating activities identified at the Property are not considered to be of significant environmental concern for the Property or lands immediately adjacent. Therefore, there are no APECs identified at the Property.

#### 7.3.3 Contaminants of Potential Concern

There are no contaminants of potential concern identified at the Property.

#### 7.3.4 Information Gaps in Phase One Environmental Site Assessment

Access to all portions of the Phase One Property was provided.



## **7.4 Phase One Conceptual Site Model**

The Property consists of 300 m stretch of Derry Road West and Argentia Road on each side of Derry Road/Argentia Road intersection located in Mississauga, Ontario (Figure 1). Derry Road is a six lane alignment with additional turning lanes asphalt paved roadway and Argentia Road is a four lane asphalt paved roadway. The Property includes roadways, associated right-of-ways, and boulevards extending to 300 m east and west (Derry Road) and north and south (Argentia Road) of the intersection. There is an existing Highway 401 overpass on Derry Road east of the intersection and a railway bridge located 300 m west of the intersection. Both structures are not considered to be part of the Property. Derry Road West was constructed prior to 1954 and Argentia Road was constructed during the 1980's. Prior to construction of the roadways, the Property was used for agricultural purposes. The Property is proposed to be re-developed with improvement of the intersection. Site features are presented on the Site Plan (Figure 2)

### ***Adjacent property use***

The Property is bounded by commercial/light industrial properties and continuation of Argentia Road to the north and south, Highway 401 and its right-of-ways, and continuation of Derry Road to the east, Railway tracks (overpass) and continuation of Derry Road to the west (as shown in Figure 3).

### ***Geological, hydrogeological, water well information***

The Property is situated in a physiographic region of Ontario known as the Peel Plain. The area is characterized by surficial deposits of clay to silt textured till/ modern alluvial deposits. The underlying bedrock consists of shale, limestone/dolostone, siltstone belonging to Queenston Formation of Upper Ordovician age.

Based on the information provided in the water well record in the area, the depth to bedrock was 2.7 to 6.1 and stabilized groundwater was at 4.6 m depth. Three geotechnical/geological investigation boreholes were drilled on the Property to the depths of 4 to 7 m. One domestic water supply well was constructed to the depth of 10.7 m and four geotechnical/geological investigation boreholes were drilled to the depths of 4 to 7.6 m within the Study Area.

The Property is generally flat and gently slopes down to the southeast towards Mullet Creek with the exception of the west end of Derry Road which is at lower grade at the railway crossing. Local ground water flow is expected to be in southeasterly direction, and regional groundwater flow is expected to the south towards the Lake Ontario.

### ***Potentially Contaminating Activities***

The suspected fill material at the Property and use of road salts for de-icing purposes are considered to be a potentially contaminating activities. However, due to use of the Property as public roadways, these are not considered to be a significant environmental concern to the Property. No PCAs were identified in the Phase One Study Area.



***Areas of Potential Environmental Concern***

There are no APECs identified at the Property.

There were no known voids in the information on historical or current site activities that would significantly affect the Conceptual Site Model.



## **8.0 CONCLUSIONS**

### **8.1 Record of Site Condition Based on Phase One ESA Alone**

The Property is used as public roadways and is proposed to be re-developed for intersection improvement. It is understood that no parts of the adjacent private properties will be acquired during the proposed intersection improvement, and as such, a Record of Site Condition (RSC) will not be required to be filed with the Ministry of the Environment (MOE) for approval of the proposed development. Based upon the review and evaluation of the information gathered from the Phase One ESA, an RSC (if required) cannot be filed based upon a Phase One ESA alone.

### **8.2 Phase Two ESA Required Before Record of Site Condition**

Prior to the preparation and submission of a RSC (if required), a Phase Two Environmental Site Assessment would be required to assess the quality of the suspected fill material/soils present at the Property.

### **8.3 Limitations, QP Statement and Signature**

#### **Limitations**

This report was prepared for the exclusive use of HDR Corporation, and is intended to provide an assessment of the environmental condition on the Property identified as 300 m stretch of Derry Road West and Argentia Road on each side of Derry Road/Argentia Road intersection located in Mississauga, Ontario.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Terraprobe Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report, including consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. The information presented in this report is based on information collected during the completion of the Phase One Environmental Site Assessment by Terraprobe Inc. It is based on the conditions on the Phase One Property at the time of the site inspection supplemented by a review of historical information to assess the environmental conditions on the Phase One, as reported herein.

Sampling and analysis of soil, ground water or any other material was not carried out as part of this assessment. Consequently, the presence and/or extent of any adverse environmental impact cannot be verified. The potential for environmental liability and/or environmental impact is an opinion that has been arrived at within the scope of this assessment.





In assessing the environmental conditions/history of the Phase One, Terraprobe Inc. has relied in good faith on information provided by others, as noted in this report, and has assumed that the information provided by those individuals is factual and accurate. Terraprobe Inc. accepts no responsibility for any deficiency, misstatement or inaccuracy in this report resulting from the information provided by those individuals.

There is no warranty expressed or implied by this report regarding the environmental status of the Phase One. Professional judgement was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of professional care and competence, and cannot be construed as an absolute guarantee.

In the event that during future work new information regarding the environmental condition of the Phase One is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One, Terraprobe Inc. should be notified in order that we may re-evaluate the findings of this assessment and provide amendments, as required.

## **Signatures**

The Phase One Environmental Site Assessment has been completed by Muhammad I. Shahid, P.Geo., QP<sub>ESA</sub>. The findings and conclusions presented in this report have been determined on the basis of the information that was obtained and reviewed, and on an assessment of the existing conditions on the Phase One Property and properties within the Phase One Study Area.

### **Muhammad I. Shahid, P. Geo., QP<sub>ESA</sub>**

Muhammad Shahid is a Senior Project Manager in the Environmental Services Department of Terraprobe Inc.'s Head Office located in Brampton, Ontario. Mr. Shahid has over 25 years of experience in the fields of engineering geology, hydrogeology and environmental assessment and investigations. Mr. Shahid has provided professional services to various clients in both the private and public sectors in Ontario and internationally. Mr. Shahid has managed numerous environmental investigations including Phase One and Phase Two Environmental Site Assessments, Hydrogeologic Studies, Site Remediation and Brownfield re-development projects. Mr. Shahid is a Qualified Person under Ontario Regulation 153/04 for submitting Record of Site Condition.

### **Shama M. Qureshi, P.Eng., P.Geo., QP<sub>RA-ESA</sub>**

Mrs. Qureshi is an Associate of Terraprobe with over 25 years of experience in the fields of chemical engineering, hydrogeology and environmental assessment. Mrs. Qureshi has provided consulting services to various clients in both private and public sectors in Ontario and internationally since 1986. She has directed numerous environmental investigations including Phase One and Phase Two Environmental Site Assessments, Hydrogeological Studies, Risk Assessments, Site Remediation and Brownfield re-



development projects. Mrs. Qureshi is a Qualified Person under Ontario Regulation 153/04 for submitting Records of Site Condition

We trust this report meets with your requirements. Should you have any questions regarding the information presented, please do not hesitate to contact our office.

Yours truly,  
**Terraprobe Inc.**

Muhammad I. Shahid, P.Geo. QP<sub>ESA</sub>  
Senior Project Manager

Shama M. Qureshi, P.Eng., P.Geo., QP<sub>RA-ESA</sub>  
Associate



## 9.0 REFERENCES

1. "Physiography of Southern Ontario", [http://www.mndmf.gov.on.ca/mines/ogs\\_earth\\_e.asp](http://www.mndmf.gov.on.ca/mines/ogs_earth_e.asp)
2. <http://atlas.nrcan.gc.ca/site/english/maps/topo/map>
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4. "Bedrock Geology of Ontario, Southern Sheet," Ontario Geological Survey, Map 2544. Scale 1: 1 000 000 Issued 1991.
5. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
6. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
7. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
8. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
9. Ontario Ministry of the Environment, Brownfields Registry website ([www.ene.gov.on.ca/environet/BESR/index.htm](http://www.ene.gov.on.ca/environet/BESR/index.htm))
10. Ontario Ministry of Natural Resources, Natural Heritage website ([www.mnr.gov.on.ca/MNR/nhic/areas.cfm](http://www.mnr.gov.on.ca/MNR/nhic/areas.cfm))
11. Ontario Ministry of Municipal Affairs and Housing, April 2002. *Oak Ridges Moraine Conservation Plan Land Use Designation Map (Ontario Regulation 140/02)*.

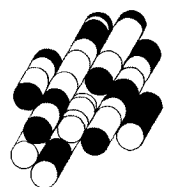
### **Commercial Databases**

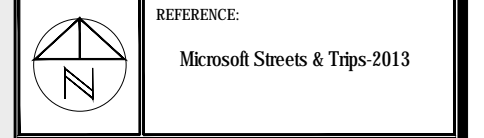
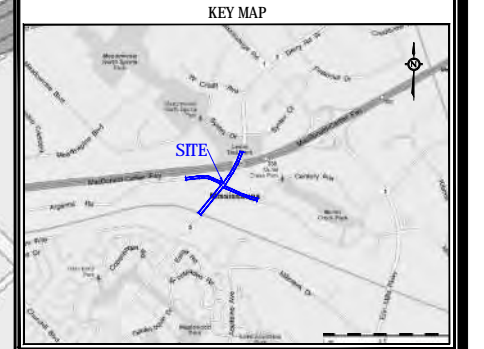
- EcologERIS - review of 50 provincial, federal and private environmental databases for the Phase One Property and Phase One Study Area (300 metre radius of the intersection).



# FIGURES

**TERRAPROBE INC.**





NOTES:

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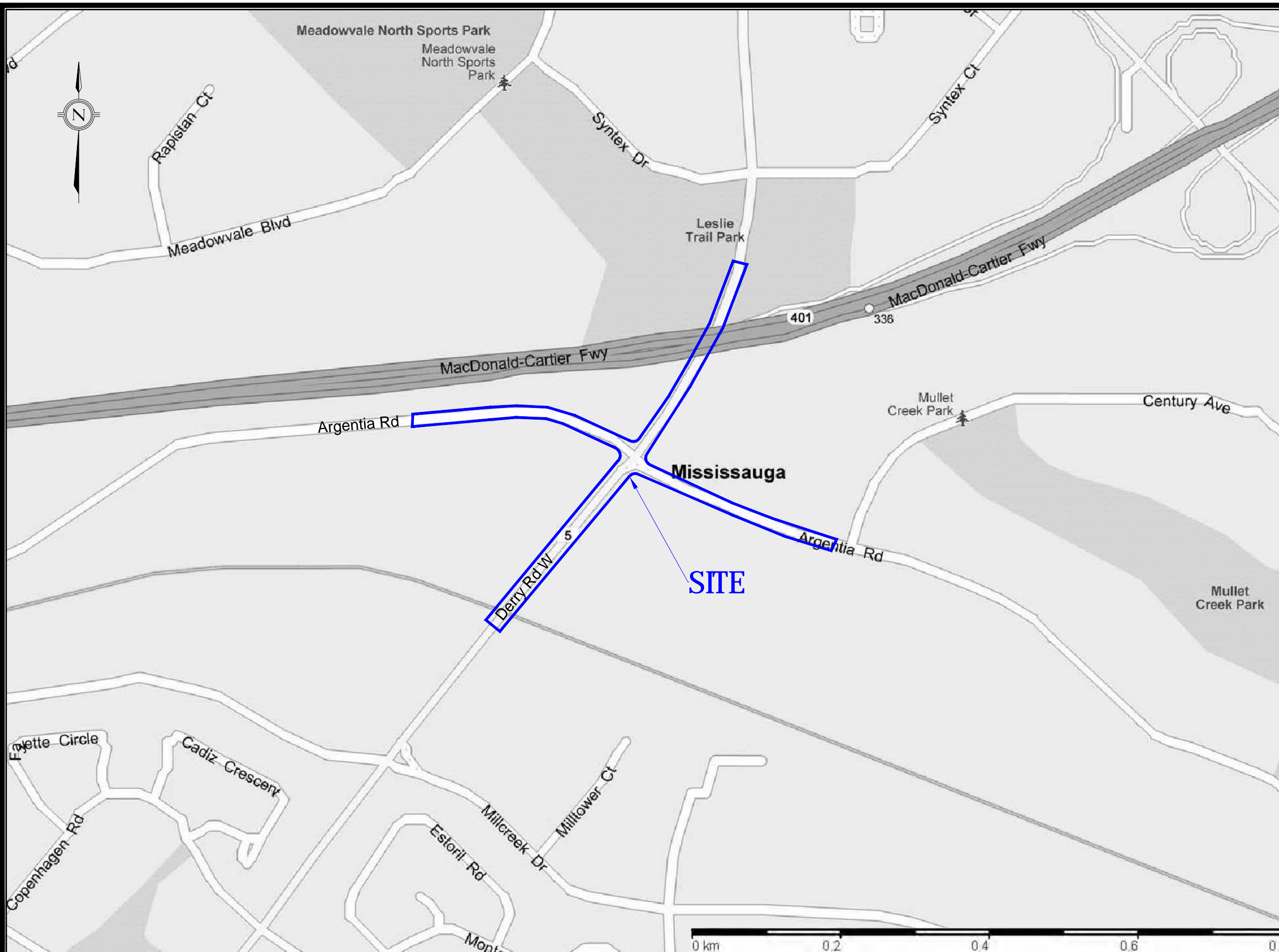
	Phase One Property Boundary
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PROJECT TITLE:  
Phase One Environmental Site Assessment

SITE LOCATION:  
Derry Road West & Argentia Road  
Mississauga, Ontario

FIGURE TITLE:  
SITE LOCATION PLAN

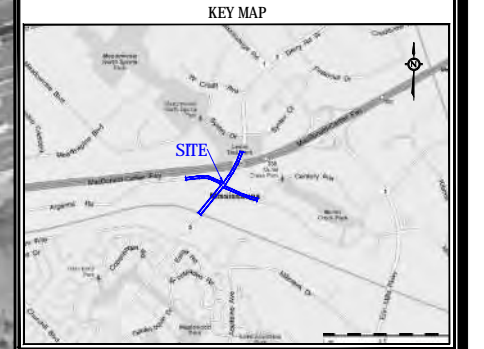
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DATE: October 2013	











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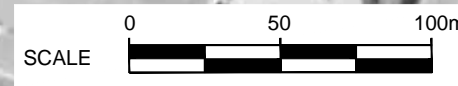
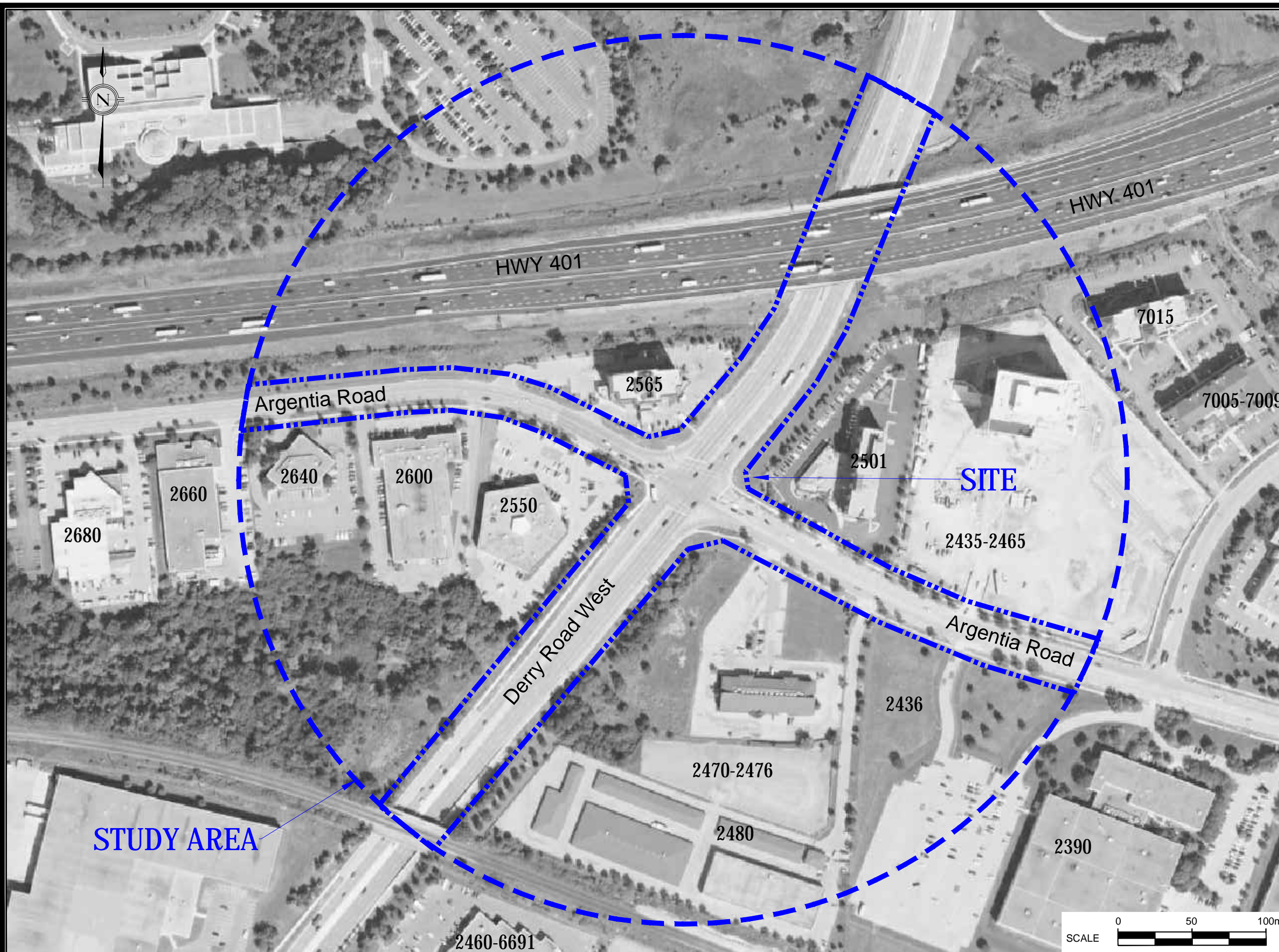
	Phase One ESA Property Boundary
	Phase One Study Area Boundary

PROJECT TITLE:  
Phase One Environmental Site Assessment

SITE LOCATION:  
Derry Road West & Argentia Road  
Mississauga, Ontario

FIGURE TITLE:  
PHASE ONE STUDY AREA

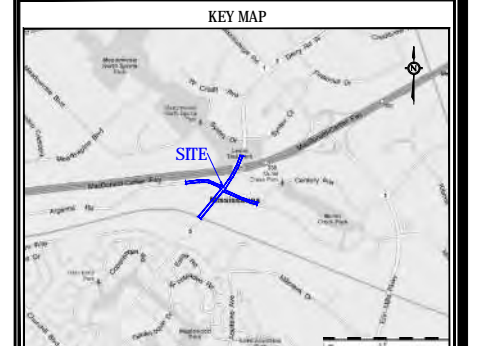
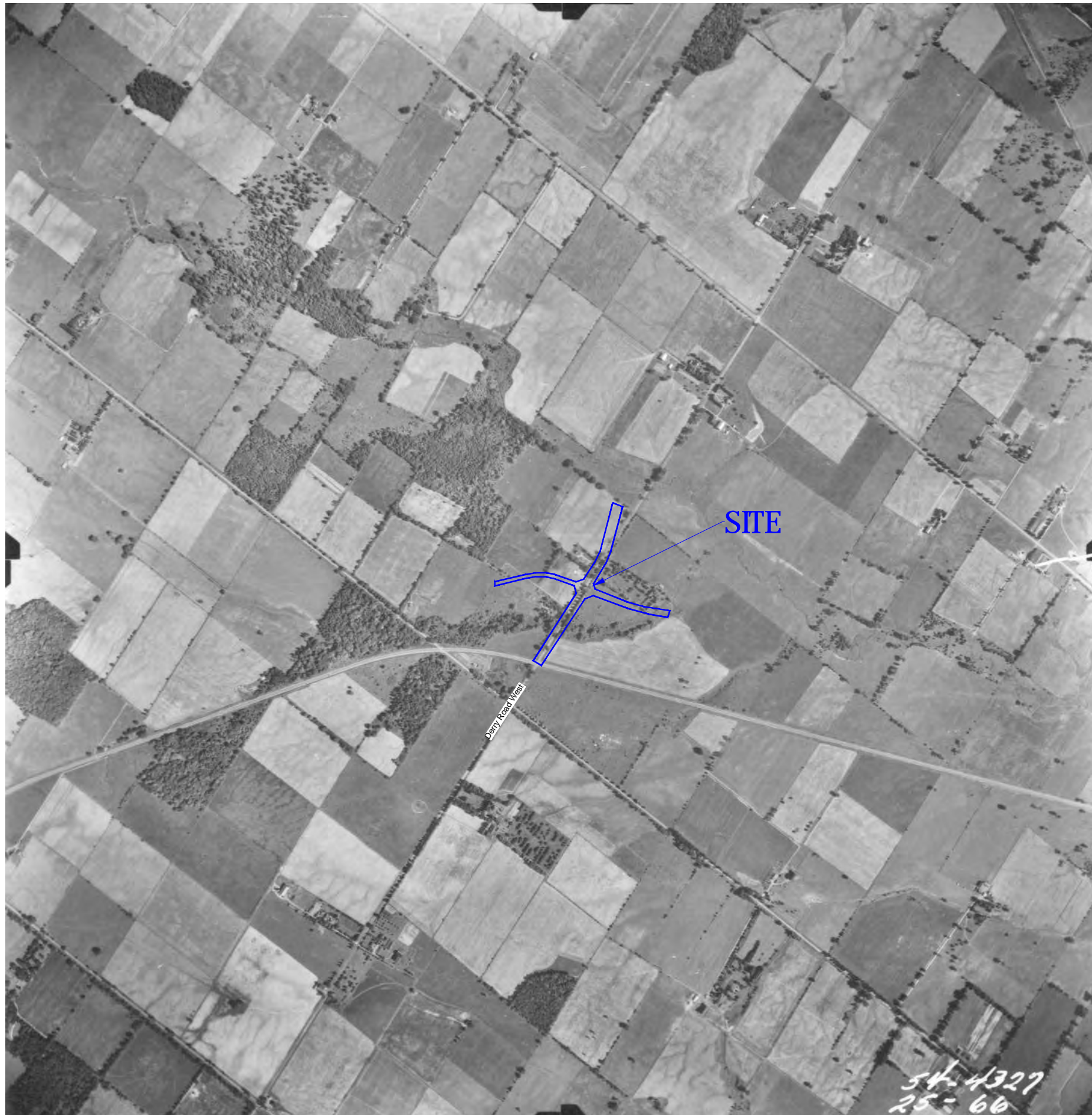
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DATE: October 2013	











REFERENCE:  
 Ministry of Natural Resources

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— Phase One Site Boundary

PROJECT TITLE:  
 Phase One Environmental Site Assessment

SITE LOCATION:  
 Derry Road West & Argentia Road  
 Mississauga, Ontario

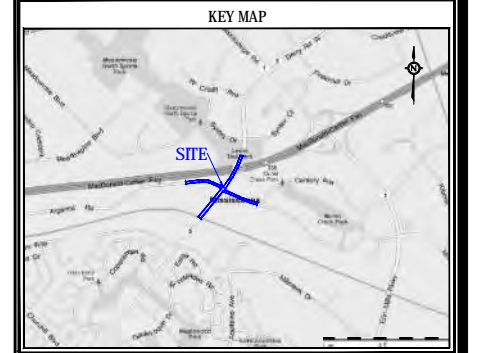
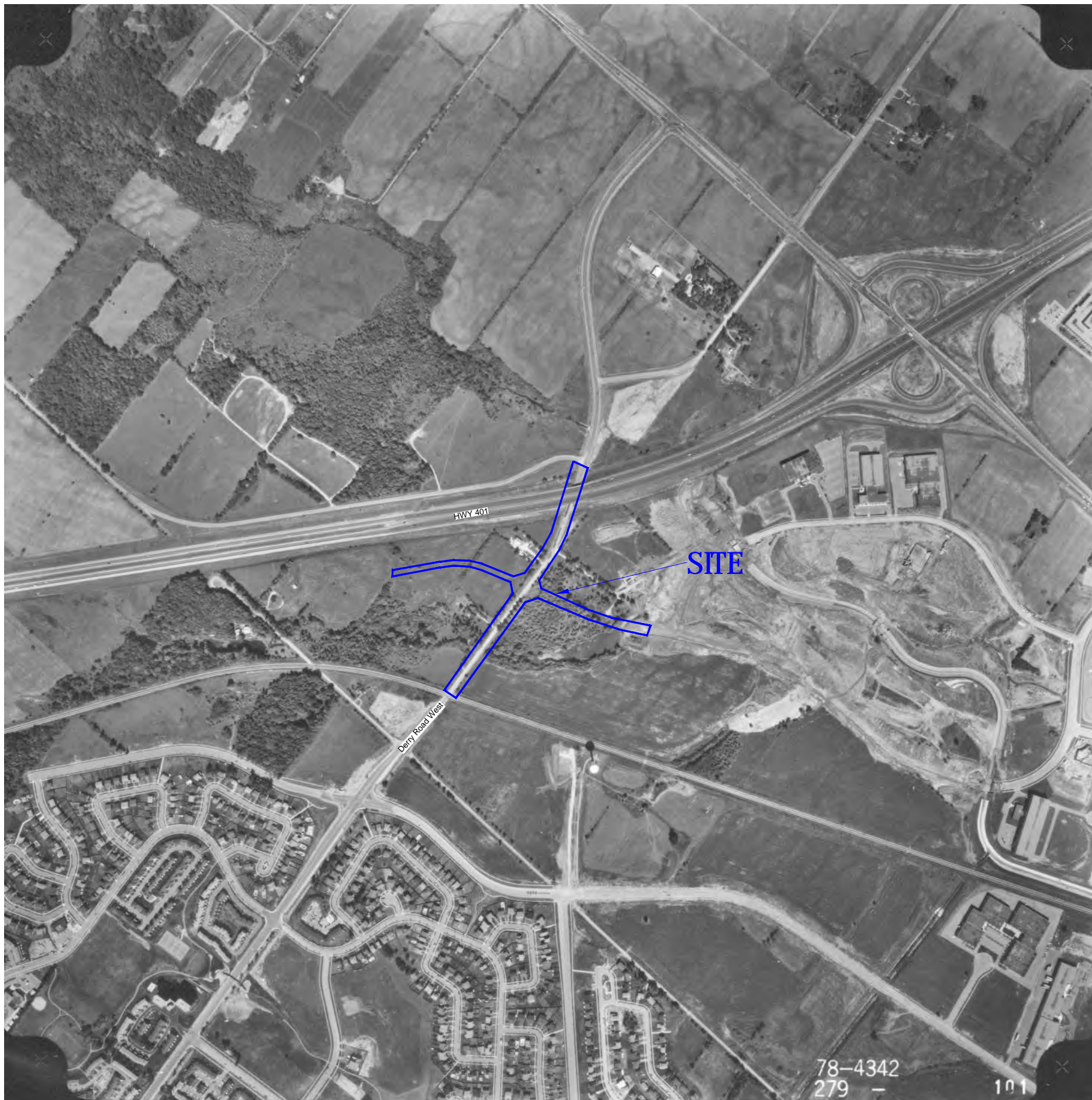
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DATE: October 2013	









REFERENCE:  
 Ministry of Natural Resources

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PROJECT TITLE:  
 Phase One Environmental Site Assessment

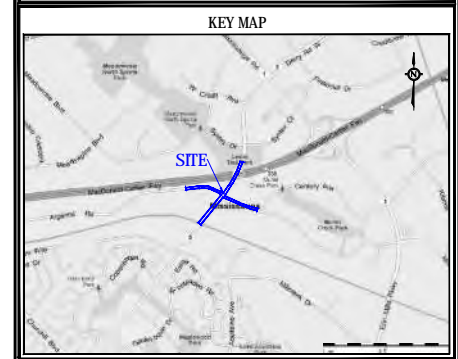
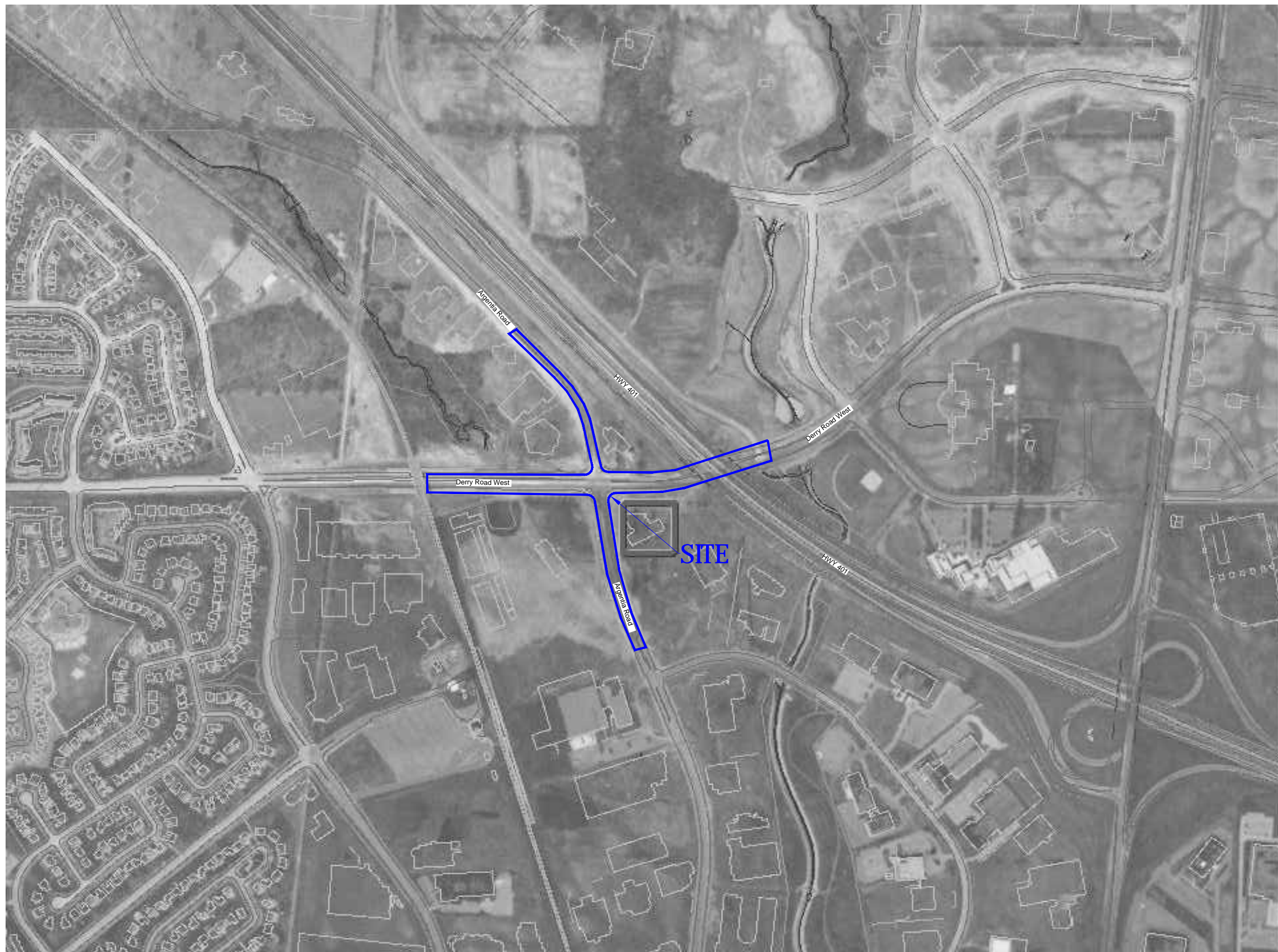
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 Mississauga, Ontario

FIGURE TITLE:  
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SCALE: NTS	FIGURE NO.: 7
DATE: October 2013	

78-4342  
 279 - 101





REFERENCE:

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LEGEND:

— Phase One Site Boundary

PROJECT TITLE:  
 Phase One Environmental Site Assessment

SITE LOCATION:  
 Derry Road West & Argonia Road  
 Mississauga, Ontario

FIGURE TITLE:  
 AERIAL PHOTOGRAPH - 1985

REV NO: 0	FILE NO: 13-13-3146-1
SCALE: NTS	FIGURE NO: <b>8</b>
DATE: October 2013	




KEY MAP



REFERENCE:

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 Phase One Site Boundary

PROJECT TITLE:

Phase One Environmental Site Assessment

SITE LOCATION:

Derry Road West & Argentia Road  
 Mississauga, Ontario

FIGURE TITLE:

AERIAL PHOTOGRAPH - 2000

REV NO.:

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SCALE:

NTS

DATE:

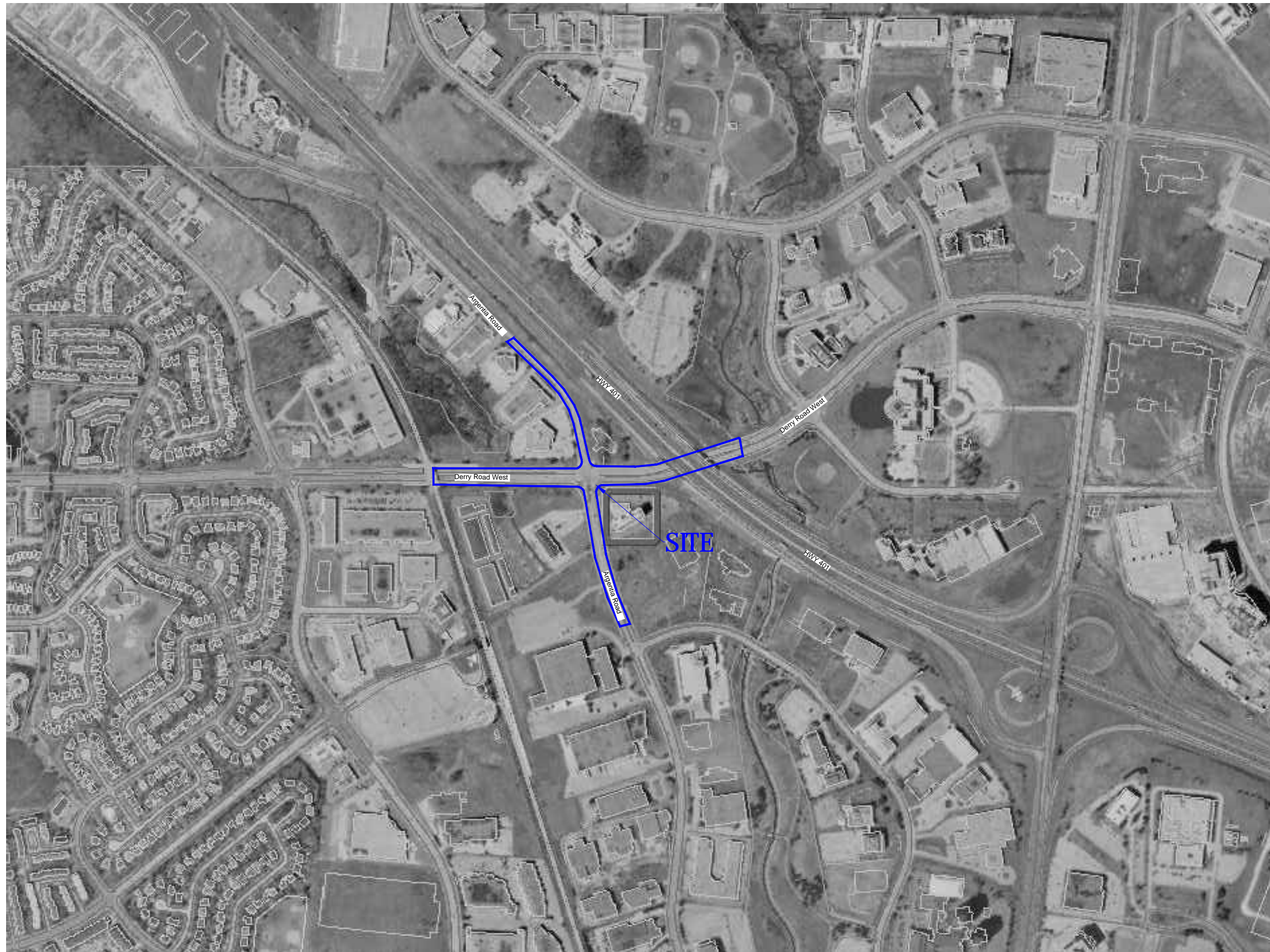
October 2013

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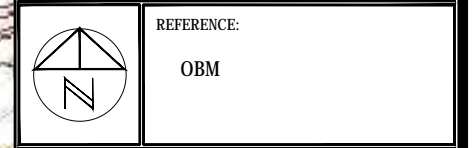
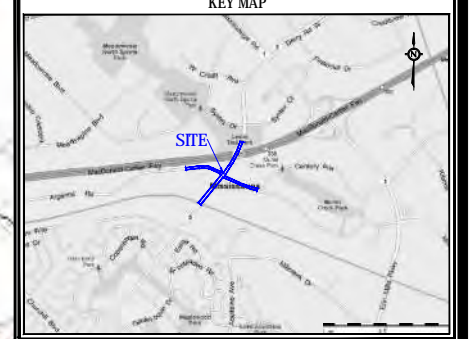
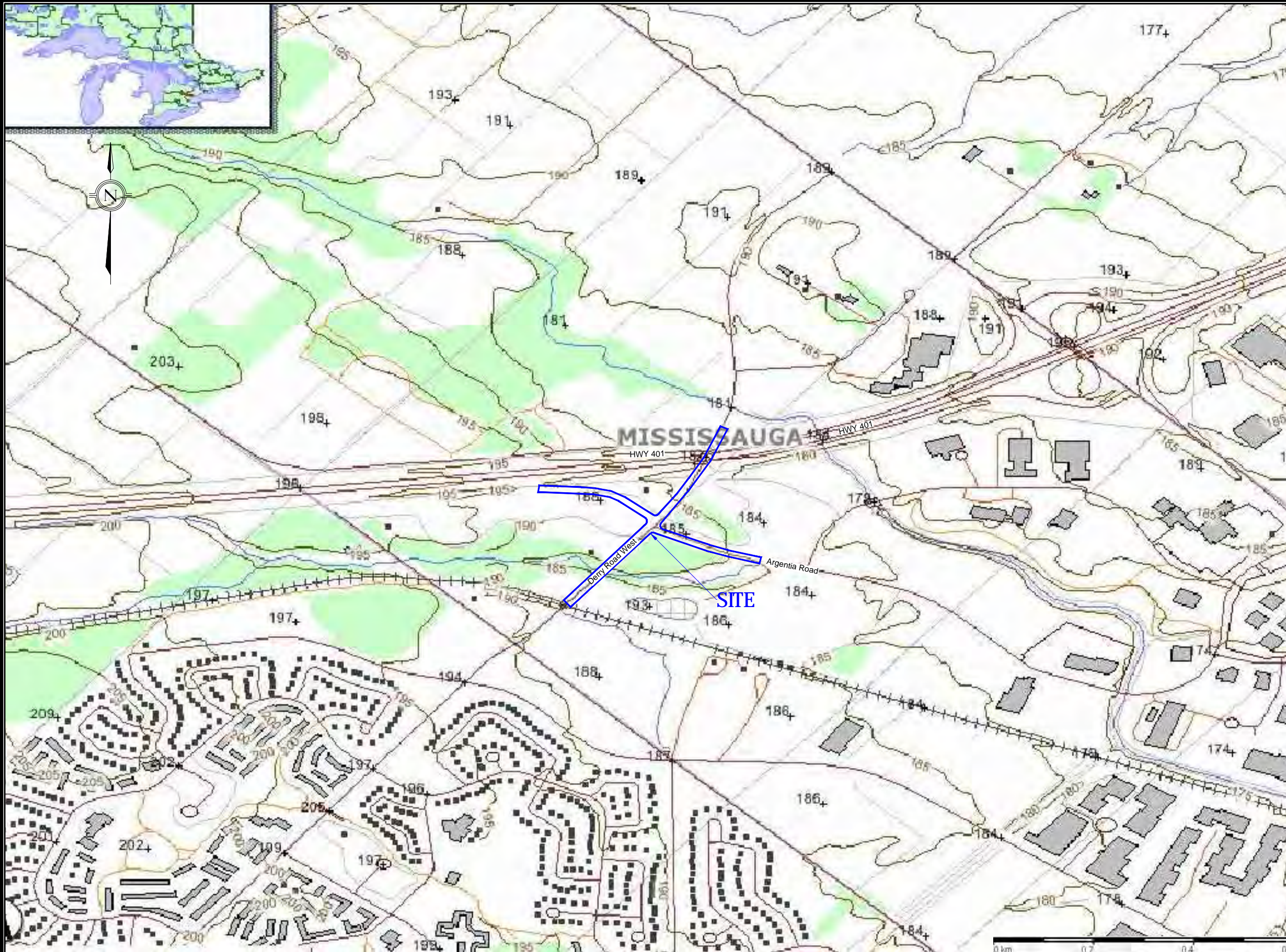
13-13-3146-1

FIGURE NO.:

9







NOTES:

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	Phase One Property Boundary
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PROJECT TITLE:  
Phase One Environmental Site Assessment

SITE LOCATION:  
Derry Road West & Argentia Road  
Mississauga, Ontario

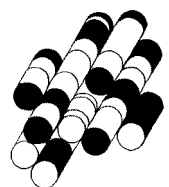
FIGURE TITLE:  
ONTARIO BASE MAP - 1982

REV NO: 0	FILE NO: 13-13-3146-1
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DATE: October 2013	



# APPENDIX A

**TERRAPROBE INC.**





# REPORT



**Project Property:** *Derry Road West and Argentia Road, Mississauga  
Derry Rd Wargentia Rd  
Mississauga ON*

**Report Type:** *Custom-Build Your Own Report*

**Order #:** *20130917008*

**Date:** *September 24, 2013*

**EcoLog ERIS Ltd.**  
Environmental Risk  
Information Service Ltd. (ERIS)  
A division of Glacier Media Inc.  
P: 1.866.517.5204  
E: [info@erisinfo.com](mailto:info@erisinfo.com)

**[www.erisinfo.com](http://www.erisinfo.com)**



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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

**Reliance on information in Report:** This report DOES NOT replace a full Phase 1 Environmental Site Assessment but is solely intended to be used to focus further investigation.

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# Executive Summary

## Property Information:

**Project Property:** *Derry Road West and Argentia Road, Mississauga  
Derry Rd Wargentia Rd Mississauga ON*

### **Coordinates:**

**Latitude:** *43.601374*  
**Longitude:** *-79.756756*  
**UTM Northing:** *4,828,350.65*  
**UTM Easting:** *600,341.31*  
**UTM Zone:** *UTM Zone 17T*

**Elevation:** *597 FT  
181.84 M*

## Order Information:

**Order No.:** *20130917008*  
**Date Requested:** *25/09/2013*  
**Requested by:** *Terraprobe Ltd*  
**Report Type:** *Custom-Build Your Own Report*

## Additional Products:

# Executive Summary: Report Summary

Database	Name	Selected	On Site	Within 0.30KM	Total
<a href="#">AAGR</a>	Abandoned Aggregate Inventory	Y	0	0	0
<a href="#">AGR</a>	Aggregate Inventory	Y	0	0	0
<a href="#">AMIS</a>	Abandoned Mine Information System	Y	0	0	0
<a href="#">ANDR</a>	Anderson's Waste Disposal Sites	Y	0	0	0
<a href="#">AUWR</a>	Automobile Wrecking & Supplies	Y	0	0	0
<a href="#">BORE</a>	Borehole	Y	0	8	8
<a href="#">CA</a>	Certificates of Approval	Y	0	8	8
<a href="#">CFOT</a>	Commercial Fuel Oil Tanks	Y	0	0	0
<a href="#">CHEM</a>	Chemical Register	Y	0	0	0
<a href="#">COAL</a>	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
<a href="#">CONV</a>	Compliance and Convictions	Y	0	0	0
<a href="#">CPU</a>	Certificates of Property Use	Y	0	0	0
<a href="#">DRL</a>	Drill Hole Database	Y	0	0	0
<a href="#">EASR</a>	Environmental Activity and Sector Registry	Y	0	0	0
<a href="#">EBR</a>	Environmental Registry	Y	0	0	0
<a href="#">ECA</a>	Environmental Compliance Approval	Y	0	0	0
<a href="#">EEM</a>	Environmental Effects Monitoring	Y	0	0	0
<a href="#">EHS</a>	ERIS Historical Searches	Y	0	11	11
<a href="#">EIS</a>	Environmental Issues Inventory System	Y	0	0	0
<a href="#">EXP</a>	List of TSSA Expired Facilities	Y	0	0	0
<a href="#">FCON</a>	Federal Convictions	Y	0	0	0
<a href="#">FCS</a>	Contaminated Sites on Federal Land	Y	0	0	0
<a href="#">FOFT</a>	Fisheries & Oceans Fuel Tanks	Y	0	0	0
<a href="#">FST</a>	Fuel Storage Tank	Y	0	0	0
<a href="#">GEN</a>	Ontario Regulation 347 Waste Generators Summary	Y	0	10	10
<a href="#">HINC</a>	TSSA Historic Incidents	Y	0	0	0
<a href="#">IAFT</a>	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
<a href="#">INC</a>	TSSA Incidents	Y	0	0	0
<a href="#">LIMO</a>	Landfill Inventory Management Ontario	Y	0	0	0
<a href="#">MINE</a>	Canadian Mine Locations	Y	0	0	0
<a href="#">MNR</a>	Mineral Occurrences	Y	0	0	0
<a href="#">NATE</a>	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
<a href="#">NCPL</a>	Non-Compliance Reports	Y	0	0	0
<a href="#">NDFT</a>	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
<a href="#">NDSP</a>	National Defence & Canadian Forces Spills	Y	0	0	0
<a href="#">NDWD</a>	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
<a href="#">NEES</a>	National Environmental Emergencies System (NEES)	Y	0	0	0
<a href="#">NPCB</a>	National PCB Inventory	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Selected</b>	<b>On Site</b>	<b>Within 0.30KM</b>	<b>Total</b>	
<a href="#">NPRI</a>	National Pollutant Release Inventory	Y	0	0	0	
<a href="#">OGW</a>	Oil and Gas Wells	Y	0	0	0	
<a href="#">OOGW</a>	Ontario Oil and Gas Wells	Y	0	0	0	
<a href="#">OPCB</a>	Inventory of PCB Storage Sites	Y	0	0	0	
<a href="#">ORD</a>	Orders	Y	0	0	0	
<a href="#">PAP</a>	Canadian Pulp and Paper	Y	0	0	0	
<a href="#">PCFT</a>	Parks Canada Fuel Storage Tanks	Y	0	0	0	
<a href="#">PES</a>	Pesticide Register	Y	0	0	0	
<a href="#">PINC</a>	TSSA Pipeline Incidents	Y	0	0	0	
<a href="#">PRT</a>	Private and Retail Fuel Storage Tanks	Y	0	0	0	
<a href="#">PTTW</a>	Permit to Take Water	Y	0	0	0	
<a href="#">REC</a>	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0	
<a href="#">RSC</a>	Record of Site Condition	Y	0	0	0	
<a href="#">RST</a>	Retail Fuel Storage Tanks	Y	0	0	0	
<a href="#">SCT</a>	Scott's Manufacturing Directory	Y	0	21	21	
<a href="#">SPL</a>	Ontario Spills	Y	0	0	0	
<a href="#">SRDS</a>	Wastewater Discharger Registration Database	Y	0	0	0	
<a href="#">TANK</a>	Anderson's Storage Tanks	Y	0	0	0	
<a href="#">TCFT</a>	Transport Canada Fuel Storage Tanks	Y	0	0	0	
<a href="#">VAR</a>	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0	
<a href="#">WDS</a>	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	
<a href="#">WDSH</a>	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	
<a href="#">WWIS</a>	Water Well Information System	Y	0	1	1	
			<b>Total:</b>	0	59	59

# Executive Summary: Site Report Summary – Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dis m</i>	<i>Elev diff m</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

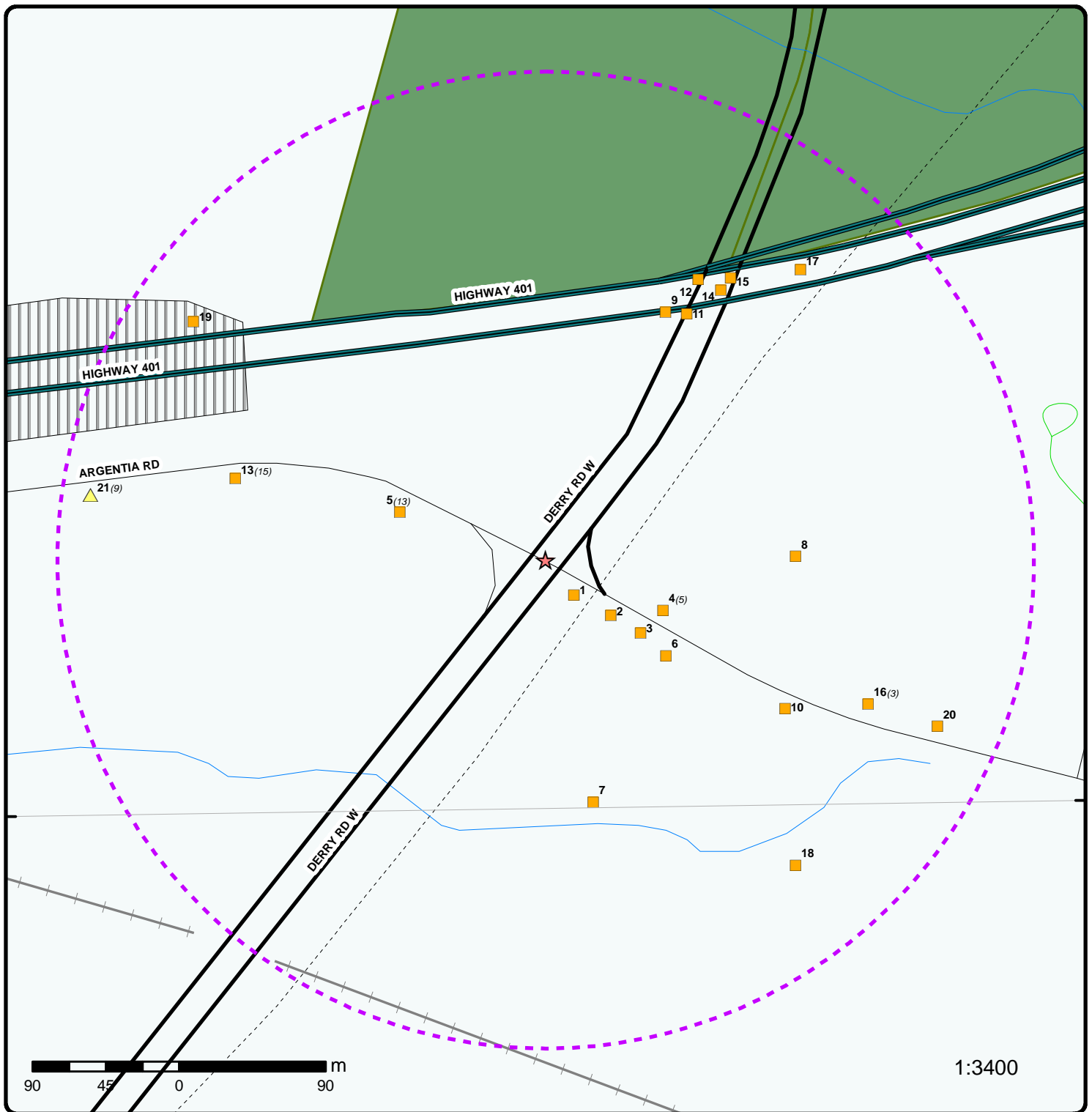
# Executive Summary: Site Report Summary – Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dis m	Elev Diff m	Page Number
<a href="#">1</a>	CA	R.R. BLENKIN PRIVATE 2470, 2476, 2490	2500 ARGENTIA ROAD MISSISSAUGA CITY ON L5N 5Z7	27.6	0.00	<a href="#">11</a>
<a href="#">2</a>	CA	OKINS, LEIPCIGER, CUPLINSKAS, K AMINKER	2470-2500 ARGENTIA RD. MISSISSAUGA CITY ON L5N 5Z7	52.5	0.00	<a href="#">11</a>
<a href="#">3</a>	EHS		2476 Argentia Road Mississauga ON	73.6	0.00	<a href="#">11</a>
<a href="#">4</a>	EHS		2501 Argentia Road Mississauga ON L5N 4G8	78.7	0.00	<a href="#">12</a>
<a href="#">4</a>	EHS		2501 Argentia Road Mississauga ON L5N 4G8	78.7	0.00	<a href="#">12</a>
<a href="#">4</a>	EHS		2501 Argentia Road Mississauga ON L5N 4G8	78.7	0.00	<a href="#">12</a>
<a href="#">4</a>	EHS		2501 Argentia Road Mississauga ON L5N 4G8	78.7	0.00	<a href="#">12</a>
<a href="#">4</a>	EHS		2501 Argentia Rd Mississauga ON L5N 4G8	78.7	0.00	<a href="#">12</a>
<a href="#">5</a>	CHEM	EPSILON CHEMICALS LTD	2550 ARGENTIA RD MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">12</a>
<a href="#">5</a>	EHS		2550 argentia road mississauga, ontario ON L5N 5R1	94.1	0.00	<a href="#">13</a>
<a href="#">5</a>	EHS		2550 Argentia Road Mississauga ON L5N 5R1	94.1	0.00	<a href="#">13</a>
<a href="#">5</a>	SCT	Amberdon Systems Ltd. - Amberdon Consulting Ltd.	2550 Argentia Rd Suite 109 Mississauga ON L5N 5R1	94.1	0.00	<a href="#">13</a>
<a href="#">5</a>	SCT	SATAKE CANADA LTD.	2550 ARGENTIA RD SUITE 119 MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">13</a>
<a href="#">5</a>	SCT	CROSSLEY CARPET MILLS LTD.	2550 ARGENTIA RD UNIT 115 MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">13</a>
<a href="#">5</a>	SCT	MEADOWVALE IT & ENGINEER INC.	2550 ARGENTIA RD SUITE 216 MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">14</a>
<a href="#">5</a>	SCT	NOLAN SALES & MARKETING INC.	2550 ARGENTIA RD MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">14</a>
<a href="#">5</a>	SCT	Epsilon Chemicals Ltd.	2550 Argentia Rd Suite 214 Mississauga ON L5N 5R1	94.1	0.00	<a href="#">14</a>
<a href="#">5</a>	SCT	Satake (Canada) Inc.	2550 Argentia Rd Suite 119 Mississauga ON L5N 5R1	94.1	0.00	<a href="#">15</a>
<a href="#">5</a>	SCT	LABTECH SYSTEMS INC.	2550 Argentia Rd Suite 109 Mississauga ON L5N 5R1	94.1	0.00	<a href="#">15</a>
<a href="#">5</a>	SCT	PETRO EQUIPMENT SALES LTD.	2550 ARGENTIA RD SUITE 119 MISSISSAUGA ON L5N 5R1	94.1	0.00	<a href="#">15</a>
<a href="#">5</a>	SCT	Henton Information Systems	2550 Argentia Rd Suite 205 Mississauga ON L5N 5R1	94.1	0.00	<a href="#">15</a>
<a href="#">6</a>	EHS		2480 Argentia Road Mississauga ON L5N 5Z7	94.5	0.00	<a href="#">15</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dis m</b>	<b>Elev Diff m</b>	<b>Page Number</b>
<a href="#">7</a>	WWIS		ON	151.5	0.00	<a href="#">16</a>
<a href="#">8</a>	BORE		ON	153.7	0.00	<a href="#">16</a>
<a href="#">9</a>	BORE		ON	169.2	0.00	<a href="#">17</a>
<a href="#">10</a>	CA	T. TONAKA - MAPLE LEAF SELF STORAGE	2480 ARGENTIA RD. - PRIVATE MISSISSAUGA CITY ON L5N 5Z7	173.1	0.00	<a href="#">17</a>
<a href="#">11</a>	BORE		ON	174.4	0.00	<a href="#">18</a>
<a href="#">12</a>	BORE		ON	196.2	0.00	<a href="#">18</a>
<a href="#">13</a>	CA	VADEKO INTERNATIONAL INC.	2600 ARGENTIA ROAD MISSISSAUGA CITY ON L5N 5V4	197.1	0.00	<a href="#">19</a>
<a href="#">13</a>	GEN	CANADA POWER PRODUCTS CORPORATION	2600 Argentia Road Mississauga ON L5N 5V4	197.1	0.00	<a href="#">19</a>
<a href="#">13</a>	GEN	VADEKO INTERNATIONAL INC. 40-275	2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">20</a>
<a href="#">13</a>	GEN	VADEKO INTERNATIONAL INC.	2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">20</a>
<a href="#">13</a>	GEN	CANADA POWER PRODUCTS CORPORATION	2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">21</a>
<a href="#">13</a>	GEN	CANADA POWER PRODUCTS CORPORATION	2600 Argentia Road Mississauga ON L5N 5V4	197.1	0.00	<a href="#">21</a>
<a href="#">13</a>	GEN	CANADA POWER PRODUCTS CORPORATION	2600 Argentia Road Mississauga ON L5N 5V4	197.1	0.00	<a href="#">21</a>
<a href="#">13</a>	GEN	G&W CANADA CORPORATION	2600 Argentia Road Mississauga ON L5N 5V4	197.1	0.00	<a href="#">22</a>
<a href="#">13</a>	SCT	G AND W DACSEN LTD.	2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">22</a>
<a href="#">13</a>	SCT	Canada Power Products Corporation	2600 Argentia Rd Unit 1 Mississauga ON L5N 5V4	197.1	0.00	<a href="#">23</a>
<a href="#">13</a>	SCT	QUINDAR PRODUCTS LTD.	2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">23</a>
<a href="#">13</a>	SCT	CANADA POWER PRODUCTS CORP	2600 ARGENTIA RD UNIT 1 MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">23</a>
<a href="#">13</a>	SCT	QUINDAR PRODUCTS LIMITED	2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4	197.1	0.00	<a href="#">24</a>
<a href="#">13</a>	SCT	Survalent Technology Corp.	2600 Argentia Rd Mississauga ON L5N 5V4	197.1	0.00	<a href="#">24</a>
<a href="#">13</a>	SCT	Canada Power Products	2600 Argentia Rd Mississauga ON L5N 5V4	197.1	0.00	<a href="#">24</a>
<a href="#">14</a>	CA	R.M. OF PEEL	HIGHWAY 401/DERRY ROAD MISSISSAUGA CITY ON	197.5	0.00	<a href="#">25</a>
<a href="#">15</a>	BORE		ON	207.4	0.00	<a href="#">25</a>
<a href="#">16</a>	CA	Bank of Montreal	2465 Argentia Rd Mississauga ON L5N 0B4	217.0	0.00	<a href="#">26</a>
<a href="#">16</a>	CA	2465 Argentia Developments Inc.	2465 Argentia Rd Mississauga ON L5N 0B4	217.0	0.00	<a href="#">26</a>
<a href="#">16</a>	EHS		2465 Argentia Road Mississauga ON	217.0	0.00	<a href="#">26</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dis m</b>	<b>Elev Diff m</b>	<b>Page Number</b>
<a href="#">17</a>	BORE		ON	237.4	0.00	<a href="#">26</a>
<a href="#">18</a>	BORE		ON	242.5	0.00	<a href="#">27</a>
<a href="#">19</a>	BORE		ON	261.1	0.00	<a href="#">28</a>
<a href="#">20</a>	EHS		2435 - 2465 Argentia Road Mississauga ON L5N 0B4	261.6	0.00	<a href="#">28</a>
<a href="#">21</a>	CA	CIBA Specialty Chemicals Canada Inc.	2626 Argentia Road Mississauga ON L5N 5N2	282.5	0.14	<a href="#">29</a>
<a href="#">21</a>	CHEM	CIBA SPECIALTY CHEMICALS CANADA INC	2626 ARGENTIA RD MISSISSAUGA ON L5N 5N2	282.5	0.14	<a href="#">29</a>
<a href="#">21</a>	GEN	BASF Canada Inc.	2626 Argentia Road Mississauga ON L5N 5N2	282.5	0.14	<a href="#">29</a>
<a href="#">21</a>	GEN	BASF Canada Inc.	2626 Argentia Road Mississauga ON L5N 5N2	282.5	0.14	<a href="#">29</a>
<a href="#">21</a>	GEN	Ciba Canada Ltd.	2626 Argentia Road Mississauga ON L5N 5N2	282.5	0.14	<a href="#">30</a>
<a href="#">21</a>	SCT	Ciba Specialty Chemicals	2626 Argentia Rd Mississauga ON L5N 5N2	282.5	0.14	<a href="#">30</a>
<a href="#">21</a>	SCT	Shoplogix Inc.	2626 Argentia Rd Mississauga ON L5N 5N2	282.5	0.14	<a href="#">30</a>
<a href="#">21</a>	SCT	Ciba Specialty Chemicals Canada Inc.	2626 Argentia Ave Mississauga ON L5N 5N2	282.5	0.14	<a href="#">31</a>
<a href="#">21</a>	SCT	MAPLE LEAF POULTRY	2626 ARGENTIA RD MISSISSAUGA ON L5N 5N2	282.5	0.14	<a href="#">31</a>

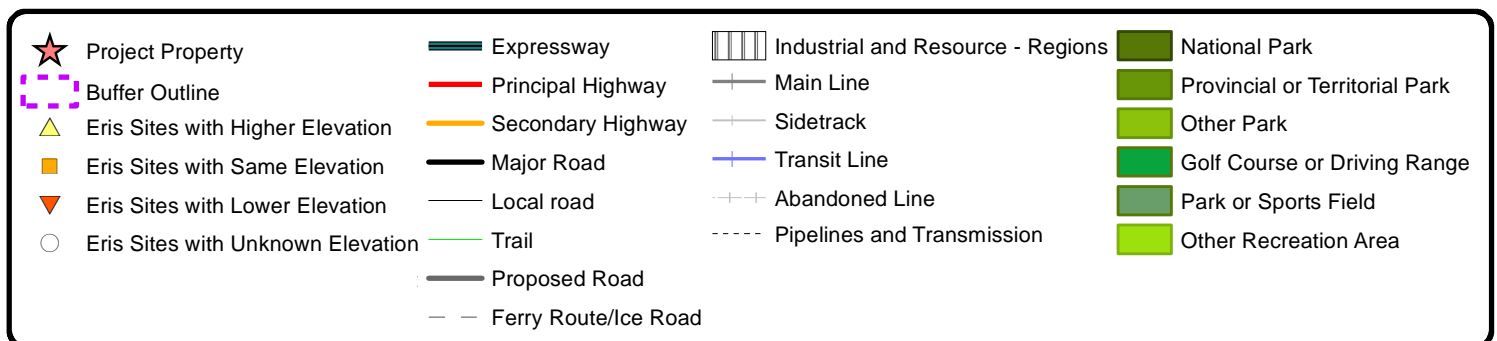




# Map

Order No: 20130917008

Address: Derry Rd W Argentia Rd, Mississauga, ON







43°36'N

43°36'N

# Aerial

Order No: 20130917008

Address: Derry Rd Wargentia Rd, Mississauga, ON



## Detail Report

Map Key	Number of Records	Distance m	Elevation m	Site	DB
1	1 of 1	27.6	181.8	R.R. BLENKIN PRIVATE 2470, 2476, 2490 2500 ARGENTIA ROAD MISSISSAUGA CITY ON L5N 5Z7	<a href="#">CA</a>
		<b>Certificate #:</b>	7-0142-89-		
		<b>Application Year:</b>	89		
		<b>Issue Date:</b>	2/7/1989		
		<b>Approval Type:</b>	Municipal water		
		<b>Status:</b>	Approved		
		<b>Application Type:</b>			
		<b>Client Name:</b>			
		<b>Client Address:</b>			
		<b>Client City:</b>			
		<b>Client Postal Code:</b>			
		<b>Project Description:</b>			
		<b>Contaminants:</b>			
		<b>Emission Control:</b>			
2	1 of 1	52.5	181.8	OKINS,LEIPCIGER,CUPLINSKAS,KAMINKE R 2470-2500 ARGENTIA RD. MISSISSAUGA CITY ON L5N 5Z7	<a href="#">CA</a>
		<b>Certificate #:</b>	3-0862-89-		
		<b>Application Year:</b>	89		
		<b>Issue Date:</b>	5/18/1989		
		<b>Approval Type:</b>	Municipal sewage		
		<b>Status:</b>	Approved		
		<b>Application Type:</b>			
		<b>Client Name:</b>			
		<b>Client Address:</b>			
		<b>Client City:</b>			
		<b>Client Postal Code:</b>			
		<b>Project Description:</b>			
		<b>Contaminants:</b>			
		<b>Emission Control:</b>			
3	1 of 1	73.6	181.8	2476 Argentia Road Mississauga ON	<a href="#">EHS</a>
		<b>Order No.:</b>	20111104020		
		<b>Report Date:</b>	11/10/2011		
		<b>Report Type:</b>	Custom Report		
		<b>Search Radius (km):</b>	0.25		
		<b>Addit. Info Ordered:</b>			

<b>Map Key</b>	<b>Number of Records</b>	<b>Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
4	1 of 5	78.7	181.8	2501 Argentia Road Mississauga ON L5N 4G8	<a href="#">EHS</a>
<b>Order No.:</b>		20100325016			
<b>Report Date:</b>		3/31/2010			
<b>Report Type:</b>					
<b>Search Radius (km):</b>		0.25			
<b>Addit. Info Ordered:</b>					
4	2 of 5	78.7	181.8	2501 Argentia Road Mississauga ON L5N 4G8	<a href="#">EHS</a>
<b>Order No.:</b>		20010710007			
<b>Report Date:</b>		7/16/01			
<b>Report Type:</b>		Basic Report			
<b>Search Radius (km):</b>		0.25			
<b>Addit. Info Ordered:</b>					
4	3 of 5	78.7	181.8	2501 Argentia Road Mississauga ON L5N 4G8	<a href="#">EHS</a>
<b>Order No.:</b>		20050208037			
<b>Report Date:</b>		2/10/2005			
<b>Report Type:</b>					
<b>Search Radius (km):</b>		0.25			
<b>Addit. Info Ordered:</b>					
4	4 of 5	78.7	181.8	2501 Argentia Road Mississauga ON L5N 4G8	<a href="#">EHS</a>
<b>Order No.:</b>		20130102011			
<b>Report Date:</b>		08-JAN-13			
<b>Report Type:</b>		Custom Report			
<b>Search Radius (km):</b>		.25			
<b>Addit. Info Ordered:</b>					
4	5 of 5	78.7	181.8	2501 Argentia Rd Mississauga ON L5N 4G8	<a href="#">EHS</a>
<b>Order No.:</b>		20061023019			
<b>Report Date:</b>		10/30/2006			
<b>Report Type:</b>		Complete Report			
<b>Search Radius (km):</b>		0.25			
<b>Addit. Info Ordered:</b>					
5	1 of 13	94.1	181.8	EPSILON CHEMICALS LTD 2550 ARGENTIA RD MISSISSAUGA ON L5N 5R1	<a href="#">CHEM</a>
<b>Mailing City:</b>					
<b>Mailing Address:</b>					
<b>Mailing Address 2:</b>					
<b>Business:</b>		CHEMICALS			

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<i>Description:</i>					
5	2 of 13	94.1	181.8	2550 argentia road mississauga, ontario ON L5N 5R1	<a href="#">EHS</a>
<i>Order No.:</i>		20101101007			
<i>Report Date:</i>		11/4/2010			
<i>Report Type:</i>		Standard Report			
<i>Search Radius (km):</i>		0.25			
<i>Addit. Info Ordered:</i>		Fire Insur. Maps and/or Site Plans			
5	3 of 13	94.1	181.8	2550 Argentia Road Mississauga ON L5N 5R1	<a href="#">EHS</a>
<i>Order No.:</i>		20101028026			
<i>Report Date:</i>		11/8/2010			
<i>Report Type:</i>		Waste Disposal Site Report			
<i>Search Radius (km):</i>		0.5			
<i>Addit. Info Ordered:</i>					
5	4 of 13	94.1	181.8	Amberdon Systems Ltd. - Amberdon Consulting Ltd. 2550 Argentia Rd Suite 109 Mississauga ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1989			
<i>Plant Size (ft²):</i>					
<i>Employment:</i>					
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		417310			
<i>Description:</i>		Computer, Computer Peripheral and Pre-Packaged Software Wholesaler-Distributors			
+					
<i>SIC/NAICS Code:</i>		511210			
<i>Description:</i>		Software Publishers			
5	5 of 13	94.1	181.8	SATAKE CANADA LTD. 2550 ARGENTIA RD SUITE 119 MISSISSAUGA ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1984			
<i>Plant Size (ft²):</i>		0			
<i>Employment:</i>		4			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		417920			
<i>Description:</i>		Service Establishment Machinery, Equipment and Supplies Wholesaler-Distributors			
5	6 of 13	94.1	181.8	CROSSLEY CARPET MILLS LTD. 2550 ARGENTIA RD UNIT 115 MISSISSAUGA ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1803			
<i>Plant Size (ft²):</i>		3000			
<i>Employment:</i>		11			

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>--- Details ---</b>					
	<b>SIC/NAICS Code:</b>	314110			
	<b>Description:</b>	Carpet and Rug Mills			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	314990			
	<b>Description:</b>	All Other Textile Product Mills			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	414320			
	<b>Description:</b>	Floor Covering Wholesaler-Distributors			
<b>5</b>	<b>7 of 13</b>	<b>94.1</b>	<b>181.8</b>	<b>MEADOWVALE IT &amp; ENGINEER INC. 2550 ARGENTIA RD SUITE 216 MISSISSAUGA ON L5N 5R1</b>	<b><a href="#">SCT</a></b>
	<b>Established:</b>	1994			
	<b>Plant Size (ft²):</b>	404			
	<b>Employment:</b>	2			
<b>--- Details ---</b>					
	<b>SIC/NAICS Code:</b>	334110			
	<b>Description:</b>	Computer and Peripheral Equipment Manufacturing			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	541510			
	<b>Description:</b>	Computer Systems Design and Related Services			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	541710			
	<b>Description:</b>	Research and Development in the Physical, Engineering and Life Sciences			
<b>5</b>	<b>8 of 13</b>	<b>94.1</b>	<b>181.8</b>	<b>NOLAN SALES &amp; MARKETING INC. 2550 ARGENTIA RD MISSISSAUGA ON L5N 5R1</b>	<b><a href="#">SCT</a></b>
	<b>Established:</b>	1989			
	<b>Plant Size (ft²):</b>	0			
	<b>Employment:</b>	2			
<b>--- Details ---</b>					
	<b>SIC/NAICS Code:</b>	5072			
	<b>Description:</b>	HARDWARE			
<b>5</b>	<b>9 of 13</b>	<b>94.1</b>	<b>181.8</b>	<b>Epsilon Chemicals Ltd. 2550 Argentia Rd Suite 214 Mississauga ON L5N 5R1</b>	<b><a href="#">SCT</a></b>
	<b>Established:</b>	01-JUL-90			
	<b>Plant Size (ft²):</b>	2300			
	<b>Employment:</b>				
<b>--- Details ---</b>					
	<b>SIC/NAICS Code:</b>	418410			
	<b>Description:</b>	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	541620			
	<b>Description:</b>	Environmental Consulting Services			
	<b>+</b>				
	<b>SIC/NAICS Code:</b>	418410			
	<b>Description:</b>	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			

<i>Map Key</i>	<i>Number of Records</i>	<i>Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
5	10 of 13	94.1	181.8	<b>Satake (Canada) Inc.</b> 2550 Argentia Rd Suite 119 Mississauga ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1984			
<i>Plant Size (ft²):</i>					
<i>Employment:</i>		6			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		417920			
<i>Description:</i>		Service Establishment Machinery, Equipment and Supplies Wholesaler-Distributors			
5	11 of 13	94.1	181.8	<b>LABTECH SYSTEMS INC.</b> 2550 Argentia Rd Suite 109 Mississauga ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1996			
<i>Plant Size (ft²):</i>		0			
<i>Employment:</i>		8			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		334610			
<i>Description:</i>		Manufacturing and Reproducing Magnetic and Optical Media			
+					
<i>SIC/NAICS Code:</i>		511210			
<i>Description:</i>		Software Publishers			
5	12 of 13	94.1	181.8	<b>PETRO EQUIPMENT SALES LTD.</b> 2550 ARGENTIA RD SUITE 119 MISSISSAUGA ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>		1970			
<i>Plant Size (ft²):</i>		0			
<i>Employment:</i>		2			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		5084			
<i>Description:</i>		INDUSTRIAL MACHINERY AND EQUIPMENT			
5	13 of 13	94.1	181.8	<b>Henton Information Systems</b> 2550 Argentia Rd Suite 205 Mississauga ON L5N 5R1	<a href="#">SCT</a>
<i>Established:</i>					
<i>Plant Size (ft²):</i>					
<i>Employment:</i>		3			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		511210			
<i>Description:</i>		Software Publishers			
6	1 of 1	94.5	181.8	<b>2480 Argentia Road</b> Mississauga ON L5N 5Z7	<a href="#">EHS</a>
<i>Order No.:</i>		20120725021			
<i>Report Date:</i>		31-JUL-12			
<i>Report Type:</i>		Custom Report			
<i>Search Radius (km):</i>		.25			

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Addit. Info Ordered:</b>					
7	1 of 1	151.5	181.8	ON	<a href="#">WWIS</a>
<b>Well Id:</b>	4902686			<b>Lot:</b>	010
<b>Concession:</b>	05			<b>Concession Name:</b>	HS W
<b>County:</b>	PEEL			<b>Municipality:</b>	MISSISSAUGA
<b>Easting Nad83:</b>	600370.6			<b>Northing Nad83:</b>	4828202
<b>Zone:</b>	17			<b>Utm Reliability:</b>	unknown UTM
<b>Primary Water Use:</b>	Domestic			<b>Construction Date:</b>	30-AUG-57
<b>Sec. Water Use:</b>				<b>Well Depth:</b>	35 ft
<b>Pump Rate:</b>	12 GPM			<b>Static Water Level:</b>	15 ft
<b>Flow Rate:</b>				<b>Clear/Cloudy:</b>	CLEAR
<b>Specific Capacity:</b>				<b>Final Well Status:</b>	Water Supply
<b>Construction Method:</b>	Cable Tool			<b>Flowing (y/n):</b>	N
<b>Elevation (m):</b>	186.07			<b>Elevation Reliability:</b>	
<b>Depth to Bedrock:</b>	17			<b>Overburden/Bedrock:</b>	Bedrock
<b>Water Type:</b>	FRESH			<b>Casing Material:</b>	OPEN HOLE,STEEL
<b>--- Details ---</b>					
<b>Thickness:</b>	17 ft			<b>Original Depth:</b>	17 ft
<b>Material Colour:</b>				<b>Material:</b>	PREVIOUSLY DUG
<b>+</b>					
<b>Thickness:</b>	18 ft			<b>Original Depth:</b>	35 ft
<b>Material Colour:</b>				<b>Material:</b>	SHALE
8	1 of 1	153.7	181.8	ON	<a href="#">BORE</a>
<b>Borehole ID:</b>	641796			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	
<b>Drill Method:</b>	Power auger			<b>UTM Zone:</b>	17
<b>Easting:</b>	600495.000			<b>Northing:</b>	4828353.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	184.800003
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	184.199997
<b>Total Depth m:</b>	4.900000			<b>Primary Name:</b>	
<b>Township:</b>				<b>Concession:</b>	
<b>Lot:</b>				<b>Municipality:</b>	
<b>Completion Date:</b>	1970-JUL			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>	Not Used			<b>Sec. Water Use:</b>	
<b>Location Description:</b>					
<b>--- Details ---</b>					
<b>Stratum ID:</b>	218497384			<b>Top Depth m:</b>	1.600000
<b>Bottom Depth m:</b>	2.700000			<b>Stratum Desc:</b>	TILL,UNSPECIFIED, SHALE. RED,GLACIAL,VERY DENSE, AGE GLACIAL.
<b>+</b>					
<b>Stratum ID:</b>	218497385			<b>Top Depth m:</b>	2.700000



Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Bottom Depth m:</b>	4.900000			<b>Stratum Desc:</b>	BEDROCK, SHALE. RED, WEATHERED, HARD, AGE UNDIFFERENTIATED. 012 008 000050170005
+				<b>Top Depth m:</b>	0
<b>Stratum ID:</b>	218497382			<b>Stratum Desc:</b>	SOIL. AGE POST-GLACIAL.
<b>Bottom Depth m:</b>	0.200000				
+				<b>Top Depth m:</b>	0.200000
<b>Stratum ID:</b>	218497383			<b>Stratum Desc:</b>	TILL, SILT, CLAY, SAND. BROWN, GLACIAL, STIFF, LAYERED, AGE GLACIAL.
<b>Bottom Depth m:</b>	1.600000				
<b>9</b>	<b>1 of 1</b>	<b>169.2</b>	<b>181.8</b>	<b>ON</b>	<b><u>BORE</u></b>
<b>Borehole ID:</b>	604074			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	
<b>Drill Method:</b>	Diamond Drill			<b>UTM Zone:</b>	17
<b>Easting:</b>	600415.000			<b>Northing:</b>	4828503.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	180.800003
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	187.800003
<b>Total Depth m:</b>	7.600000			<b>Primary Name:</b>	
<b>Township:</b>				<b>Concession:</b>	
<b>Lot:</b>				<b>Municipality:</b>	
<b>Completion Date:</b>	1957-MAY			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>	Not Used			<b>Sec. Water Use:</b>	
<b>Location Description:</b>					
<b>--- Details ---</b>					
<b>Stratum ID:</b>	218363339			<b>Top Depth m:</b>	0
<b>Bottom Depth m:</b>	0.300000			<b>Stratum Desc:</b>	SOIL.
+				<b>Top Depth m:</b>	0.300000
<b>Stratum ID:</b>	218363340			<b>Stratum Desc:</b>	TILL, CLAY, GRAVEL. GREY, FIRM.
<b>Bottom Depth m:</b>	1.200000				
+				<b>Top Depth m:</b>	1.200000
<b>Stratum ID:</b>	218363341			<b>Stratum Desc:</b>	TILL, CLAY, GRAVEL. GREY, VERY SOFT TO HARD.
<b>Bottom Depth m:</b>	2.100000				
+				<b>Top Depth m:</b>	2.100000
<b>Stratum ID:</b>	218363342			<b>Stratum Desc:</b>	TILL, CLAY, GRAVEL. RED, VERY HARD.
<b>Bottom Depth m:</b>	6.100000				
+				<b>Top Depth m:</b>	6.100000
<b>Stratum ID:</b>	218363343			<b>Stratum Desc:</b>	BEDROCK, SHALE. 019018024 020014024 009 000100070004002100070077
<b>Bottom Depth m:</b>	7.600000				
<b>10</b>	<b>1 of 1</b>	<b>173.1</b>	<b>181.8</b>	<b>T. TONAKA - MAPLE LEAF SELF STORAGE 2480 ARGENTIA RD. - PRIVATE MISSISSAUGA CITY ON L5N 5Z7</b>	<b><u>CA</u></b>

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Certificate #:</b>		7-0082-88-			
<b>Application Year:</b>		88			
<b>Issue Date:</b>		2/5/1988			
<b>Approval Type:</b>		Municipal water			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

11	1 of 1	174.4	181.8	ON	<a href="#">BORE</a>
<b>Borehole ID:</b>	853229			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	Decommissioned
<b>Drill Method:</b>	Hollow stem auger			<b>UTM Zone:</b>	17
<b>Easting:</b>	600428.000			<b>Northing:</b>	4828502.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	180.800003
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	187
<b>Total Depth m:</b>	7.600000			<b>Primary Name:</b>	
<b>Township:</b>	TORONTO			<b>Concession:</b>	CON 5 WEST OF CENTRE ROAD OR HURONTARIO STREET
<b>Lot:</b>	LOT 11			<b>Municipality:</b>	
<b>Completion Date:</b>	1957-MAY-2			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>				<b>Sec. Water Use:</b>	
<b>Location Description:</b>	The site is some 3 miles north of Streetville, where new Highway 401 (Line 'A') underpasses the proposed side road revision line 'A', (Station 503+82).				
<b>--- Details ---</b>					
<b>Stratum ID:</b>	218624780			<b>Top Depth m:</b>	0
<b>Bottom Depth m:</b>	0.300000			<b>Stratum Desc:</b>	Topsoil
+					
<b>Stratum ID:</b>	218624781			<b>Top Depth m:</b>	0.300000
<b>Bottom Depth m:</b>	2.100000			<b>Stratum Desc:</b>	Hard grey clay with some gravel (Till)
+					
<b>Stratum ID:</b>	218624782			<b>Top Depth m:</b>	2.100000
<b>Bottom Depth m:</b>	6.100000			<b>Stratum Desc:</b>	Very hard red gravelly clay loam (Till)
+					
<b>Stratum ID:</b>	218624783			<b>Top Depth m:</b>	6.100000
<b>Bottom Depth m:</b>	7.600000			<b>Stratum Desc:</b>	Bedrock shale

12	1 of 1	196.2	181.8	ON	<a href="#">BORE</a>
<b>Borehole ID:</b>	604073			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	
<b>Drill Method:</b>	Diamond Drill			<b>UTM Zone:</b>	17
<b>Easting:</b>	600435.000			<b>Northing:</b>	4828523.000

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	180
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	186.800003
<b>Total Depth m:</b>		8.500000	<b>Primary Name:</b>		
<b>Township:</b>			<b>Concession:</b>		
<b>Lot:</b>			<b>Municipality:</b>		
<b>Completion Date:</b>		1957-APR	<b>Static Water Level:</b>		
<b>Primary Water Use:</b>		Not Used	<b>Sec. Water Use:</b>		
<b>Location Description:</b>					
--- Details ---					
<b>Stratum ID:</b>		218363334	<b>Top Depth m:</b>		0
<b>Bottom Depth m:</b>		0.300000	<b>Stratum Desc:</b>		SOIL.
+					
<b>Stratum ID:</b>		218363335	<b>Top Depth m:</b>		0.300000
<b>Bottom Depth m:</b>		2	<b>Stratum Desc:</b>		TILL,CLAY,GRAVEL. GREY,FIRM.
+					
<b>Stratum ID:</b>		218363336	<b>Top Depth m:</b>		2
<b>Bottom Depth m:</b>		3.200000	<b>Stratum Desc:</b>		TILL,CLAY,GRAVEL. GREY,HARD.
+					
<b>Stratum ID:</b>		218363337	<b>Top Depth m:</b>		3.200000
<b>Bottom Depth m:</b>		4	<b>Stratum Desc:</b>		TILL,CLAY,GRAVEL. RED,VERY HARD.
+					
<b>Stratum ID:</b>		218363338	<b>Top Depth m:</b>		4
<b>Bottom Depth m:</b>		8.500000	<b>Stratum Desc:</b>		BEDROCK,SHALE. 020015024 012 013 0001000700065073
13	1 of 15	197.1	181.8	<b>VADEKO INTERNATIONAL INC. 2600 ARGENTIA ROAD MISSISSAUGA CITY ON L5N 5V4</b>	<a href="#">CA</a>
<b>Certificate #:</b>		8-3084-90-			
<b>Application Year:</b>		90			
<b>Issue Date:</b>		7/10/1990			
<b>Approval Type:</b>		Industrial air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>		INSTALLATION OF PAINT BOOTH			
<b>Contaminants:</b>					
<b>Emission Control:</b>					
13	2 of 15	197.1	181.8	<b>CANADA POWER PRODUCTS CORPORATION 2600 Argentia Road Mississauga ON L5N 5V4</b>	<a href="#">GEN</a>
<b>SIC Code:</b>					
<b>SIC Description:</b>					
<b>Generator #:</b>		ON1350701			

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Approval Yrs:</b>		As of Apr 2012			
<b>--- Details ---</b>					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		Wastes from the use of pigments, coatings and paints			
+					
<b>Waste Code:</b>		232			
<b>Waste Description:</b>		Polymeric resins			
+					
<b>Waste Code:</b>		253			
<b>Waste Description:</b>		Emulsified oils			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		Misc. waste organic chemicals			
<b>13</b>	<b>3 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>VADEKO INTERNATIONAL INC. 2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4</b>	<b>40-275 <a href="#">GEN</a></b>
<b>SIC Code:</b>		3081			
<b>SIC Description:</b>		MACHINE SHOP IND.			
<b>Generator #:</b>		ON1343100			
<b>Approval Yrs:</b>		92,93,94,95,96,97,98			
<b>--- Details ---</b>					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		148			
<b>Waste Description:</b>		INORGANIC LABORATORY CHEMICALS			
+					
<b>Waste Code:</b>		212			
<b>Waste Description:</b>		ALIPHATIC SOLVENTS			
+					
<b>Waste Code:</b>		213			
<b>Waste Description:</b>		PETROLEUM DISTILLATES			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
<b>13</b>	<b>4 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>VADEKO INTERNATIONAL INC. 2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4</b>	<b><a href="#">GEN</a></b>
<b>SIC Code:</b>		3081			
<b>SIC Description:</b>		MACHINE SHOP IND.			
<b>Generator #:</b>		ON1343100			
<b>Approval Yrs:</b>		90,99,00,01			
<b>--- Details ---</b>					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		148			
<b>Waste Description:</b>		INORGANIC LABORATORY CHEMICALS			
+					
<b>Waste Code:</b>		212			
<b>Waste Description:</b>		ALIPHATIC SOLVENTS			
+					
<b>Waste Code:</b>		213			

<b>Map Key</b>	<b>Number of Records</b>	<b>Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<b>Waste Description:</b>		PETROLEUM DISTILLATES			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
<b>13</b>	<b>5 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>CANADA POWER PRODUCTS CORPORATION 2600 ARGENTIA ROAD MISSISSAUGA ON L5N 5V4</b>	<b><a href="#">GEN</a></b>
<b>SIC Code:</b>		3332			
<b>SIC Description:</b>		LAMP/SHADE INDUSTRY			
<b>Generator #:</b>		ON1350701			
<b>Approval Yrs:</b>		96,97,98,99,00,01,02,03,04,05,06,07,08			
<b>--- Details ---</b>					
<b>Waste Code:</b>		232			
<b>Waste Description:</b>		POLYMERIC RESINS			
+					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		251			
<b>Waste Description:</b>		OIL SKIMMINGS & SLUDGES			
+					
<b>Waste Code:</b>		253			
<b>Waste Description:</b>		EMULSIFIED OILS			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
<b>13</b>	<b>6 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>CANADA POWER PRODUCTS CORPORATION 2600 Argentia Road Mississauga ON L5N 5V4</b>	<b><a href="#">GEN</a></b>
<b>SIC Code:</b>		335990			
<b>SIC Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>Generator #:</b>		ON1350701			
<b>Approval Yrs:</b>		2009			
<b>--- Details ---</b>					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		232			
<b>Waste Description:</b>		POLYMERIC RESINS			
+					
<b>Waste Code:</b>		251			
<b>Waste Description:</b>		OIL SKIMMINGS & SLUDGES			
+					
<b>Waste Code:</b>		253			
<b>Waste Description:</b>		EMULSIFIED OILS			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
<b>13</b>	<b>7 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>CANADA POWER PRODUCTS CORPORATION</b>	<b><a href="#">GEN</a></b>

Map Key	Number of Records	Distance m	Elevation m	Site	DB
				<b>2600 Argentia Road Mississauga ON L5N 5V4</b>	
<b>SIC Code:</b>		335990			
<b>SIC Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>Generator #:</b>		ON1350701			
<b>Approval Yrs:</b>		2010			
<b>--- Details ---</b>					
<b>Waste Code:</b>		232			
<b>Waste Description:</b>		POLYMERIC RESINS			
+					
<b>Waste Code:</b>		253			
<b>Waste Description:</b>		EMULSIFIED OILS			
+					
<b>Waste Code:</b>		251			
<b>Waste Description:</b>		OIL SKIMMINGS & SLUDGES			
+					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
<b>13</b>	<b>8 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>G&amp;W CANADA CORPORATION 2600 Argentia Road Mississauga ON L5N 5V4</b>	<b><a href="#">GEN</a></b>
<b>SIC Code:</b>		335990			
<b>SIC Description:</b>		All Other Electrical Equipment and Component Manufacturing			
<b>Generator #:</b>		ON1350701			
<b>Approval Yrs:</b>		2011			
<b>--- Details ---</b>					
<b>Waste Code:</b>		251			
<b>Waste Description:</b>		OIL SKIMMINGS & SLUDGES			
+					
<b>Waste Code:</b>		232			
<b>Waste Description:</b>		POLYMERIC RESINS			
+					
<b>Waste Code:</b>		145			
<b>Waste Description:</b>		PAINT/PIGMENT/COATING RESIDUES			
+					
<b>Waste Code:</b>		263			
<b>Waste Description:</b>		ORGANIC LABORATORY CHEMICALS			
+					
<b>Waste Code:</b>		253			
<b>Waste Description:</b>		EMULSIFIED OILS			
<b>13</b>	<b>9 of 15</b>	<b>197.1</b>	<b>181.8</b>	<b>G AND W DACSEN LTD. 2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4</b>	<b><a href="#">SCT</a></b>
<b>Established:</b>		1975			
<b>Plant Size (ft²):</b>		12000			
<b>Employment:</b>		19			
<b>--- Details ---</b>					
<b>SIC/NAICS Code:</b>		3572			
<b>Description:</b>		COMPUTER STORAGE DEVICES			

<i>Map Key</i>	<i>Number of Records</i>	<i>Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
+ <b>SIC/NAICS Code:</b> 3679 <b>Description:</b> ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED					
13	10 of 15	197.1	181.8	<b>Canada Power Products Corporation 2600 Argentia Rd Unit 1 Mississauga ON L5N 5V4</b>	<a href="#">SCT</a>
<b>Established:</b> 1996 <b>Plant Size (ft²):</b> 50000 <b>Employment:</b> 48					
13	11 of 15	197.1	181.8	<b>QUINDAR PRODUCTS LTD. 2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4</b>	<a href="#">SCT</a>
<b>Established:</b> 1975 <b>Plant Size (ft²):</b> 12000 <b>Employment:</b> 19					
--- Details ---					
<b>SIC/NAICS Code:</b> 333990 <b>Description:</b> All Other General-Purpose Machinery Manufacturing					
+ <b>SIC/NAICS Code:</b> 334110 <b>Description:</b> Computer and Peripheral Equipment Manufacturing					
+ <b>SIC/NAICS Code:</b> 334220 <b>Description:</b> Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing					
+ <b>SIC/NAICS Code:</b> 334290 <b>Description:</b> Other Communications Equipment Manufacturing					
+ <b>SIC/NAICS Code:</b> 334310 <b>Description:</b> Audio and Video Equipment Manufacturing					
+ <b>SIC/NAICS Code:</b> 334410 <b>Description:</b> Semiconductor and Other Electronic Component Manufacturing					
+ <b>SIC/NAICS Code:</b> 334512 <b>Description:</b> Measuring, Medical and Controlling Devices Manufacturing					
+ <b>SIC/NAICS Code:</b> 334610 <b>Description:</b> Manufacturing and Reproducing Magnetic and Optical Media					
13	12 of 15	197.1	181.8	<b>CANADA POWER PRODUCTS CORP 2600 ARGENTIA RD UNIT 1 MISSISSAUGA ON L5N 5V4</b>	<a href="#">SCT</a>
<b>Established:</b> 0000 <b>Plant Size (ft²):</b> 50000 <b>Employment:</b> 48					
--- Details ---					
<b>SIC/NAICS Code:</b> 335315 <b>Description:</b> Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing					

<b>Map Key</b>	<b>Number of Records</b>	<b>Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
13	13 of 15	197.1	181.8	<b>QUINDAR PRODUCTS LIMITED 2600 ARGENTIA RD MISSISSAUGA ON L5N 5V4</b>	<a href="#"><u>SCT</u></a>
<b>Established:</b>		1964			
<b>Plant Size (ft²):</b>		13000			
<b>Employment:</b>		50			
<b>--- Details ---</b>					
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334290			
<b>Description:</b>		Other Communications Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334310			
<b>Description:</b>		Audio and Video Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
+					
<b>SIC/NAICS Code:</b>		416110			
<b>Description:</b>		Electrical Wiring and Construction Supplies Wholesaler-Distributors			
+					
<b>SIC/NAICS Code:</b>		417320			
<b>Description:</b>		Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors			
13	14 of 15	197.1	181.8	<b>Survalent Technology Corp. 2600 Argentia Rd Mississauga ON L5N 5V4</b>	<a href="#"><u>SCT</u></a>
<b>Established:</b>		01-JUL-64			
<b>Plant Size (ft²):</b>		12000			
<b>Employment:</b>					
<b>--- Details ---</b>					
<b>SIC/NAICS Code:</b>		334290			
<b>Description:</b>		Other Communications Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334290			
<b>Description:</b>		Other Communications Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334512			
<b>Description:</b>		Measuring, Medical and Controlling Devices Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334410			
<b>Description:</b>		Semiconductor and Other Electronic Component Manufacturing			
+					
<b>SIC/NAICS Code:</b>		334610			
<b>Description:</b>		Manufacturing and Reproducing Magnetic and Optical Media			
+					
<b>SIC/NAICS Code:</b>		334220			
<b>Description:</b>		Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing			
+					
<b>SIC/NAICS Code:</b>		335990			
<b>Description:</b>		All Other Electrical Equipment and Component Manufacturing			
13	15 of 15	197.1	181.8	<b>Canada Power Products 2600 Argentia Rd</b>	<a href="#"><u>SCT</u></a>



Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Mississauga ON L5N 5V4</b>					
<b>Established:</b>		01-JUL-96			
<b>Plant Size (ft²):</b>		50000			
<b>Employment:</b>					
<b>--- Details ---</b>					
<b>SIC/NAICS Code:</b>		335315			
<b>Description:</b>		Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing			

<b>14</b>	<b>1 of 1</b>	<b>197.5</b>	<b>181.8</b>	<b>R.M. OF PEEL HIGHWAY 401\DERRY ROAD MISSISSAUGA CITY ON</b>	<b><a href="#">CA</a></b>
<b>Certificate #:</b>		3-0222-96-			
<b>Application Year:</b>		96			
<b>Issue Date:</b>		4/1/1996			
<b>Approval Type:</b>		Municipal sewage			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					

<b>15</b>	<b>1 of 1</b>	<b>207.4</b>	<b>181.8</b>	<b>ON</b>	<b><a href="#">BORE</a></b>
<b>Borehole ID:</b>		853228		<b>Type:</b> Borehole	
<b>Use:</b>		Geotechnical/Geological Investigation		<b>Status:</b> Decommissioned	
<b>Drill Method:</b>		Hollow stem auger		<b>UTM Zone:</b> 17	
<b>Easting:</b>		600455.000		<b>Northing:</b> 4828524.000	
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b> 180	
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b> 186.199997	
<b>Total Depth m:</b>		8.500000		<b>Primary Name:</b>	
<b>Township:</b>		TORONTO		<b>Concession:</b> CON 5 WEST OF CENTRE ROAD OR HURONTARIO STREET	
<b>Lot:</b>		LOT 11		<b>Municipality:</b>	
<b>Completion Date:</b>		1957-MAR-30		<b>Static Water Level:</b>	
<b>Primary Water Use:</b>				<b>Sec. Water Use:</b>	
<b>Location Description:</b>		The site is some 3 miles north of Streetville, where new Highway 401 (Line 'A') underpasses the proposed side road revision line 'A', (Station 503+82).			
<b>--- Details ---</b>					
<b>Stratum ID:</b>		218624777		<b>Top Depth m:</b> 0.300000	
<b>Bottom Depth m:</b>		3.200000		<b>Stratum Desc:</b> Hard grey clay with some gravel (Till)	
+					
<b>Stratum ID:</b>		218624778		<b>Top Depth m:</b> 3.200000	
<b>Bottom Depth m:</b>		7		<b>Stratum Desc:</b> Very hard red gravelly clay loam (Till)	
+					

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Stratum ID:</b> 218624779 <b>Top Depth m:</b> 7 <b>Bottom Depth m:</b> 8.500000 <b>Stratum Desc:</b> Bedrock shale + <b>Stratum ID:</b> 218624776 <b>Top Depth m:</b> 0 <b>Bottom Depth m:</b> 0.300000 <b>Stratum Desc:</b> Topsoil					
16	1 of 3	217.0	181.8	Bank of Montreal 2465 Argentia Rd Mississauga ON L5N 0B4	<a href="#">CA</a>
<b>Certificate #:</b> 3010-83UT5P <b>Application Year:</b> 2010 <b>Issue Date:</b> 3/25/2010 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
16	2 of 3	217.0	181.8	2465 Argentia Developments Inc. 2465 Argentia Rd Mississauga ON L5N 0B4	<a href="#">CA</a>
<b>Certificate #:</b> 1915-7V5LAH <b>Application Year:</b> 2009 <b>Issue Date:</b> 8/21/2009 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
16	3 of 3	217.0	181.8	2465 Argentia Road Mississauga ON	<a href="#">EHS</a>
<b>Order No.:</b> 20070903001 <b>Report Date:</b> 9/7/2007 <b>Report Type:</b> CAN - Custom Report <b>Search Radius (km):</b> 0.25 <b>Addit. Info Ordered:</b> Fire Insur. Maps And /or Site Plans					
17	1 of 1	237.4	181.8	ON	<a href="#">BORE</a>

Map Key	Number of Records	Distance m	Elevation m	Site	DB
<b>Borehole ID:</b>	853565			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	Decommissioned
<b>Drill Method:</b>	Solid stem auger			<b>UTM Zone:</b>	17
<b>Easting:</b>	600498.000			<b>Northing:</b>	4828529.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	178.300003
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	185.899994
<b>Total Depth m:</b>	7.700000			<b>Primary Name:</b>	
<b>Township:</b>	TORONTO			<b>Concession:</b>	CON 5 WEST OF CENTRE ROAD OR HURONTARIO STREET
<b>Lot:</b>	LOT 11			<b>Municipality:</b>	
<b>Completion Date:</b>	1994-JUN-15			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>				<b>Sec. Water Use:</b>	
<b>Location Description:</b>	Hwy. 401 Structure Replacement over Derry Road Culvert Extension, Retaining Wall, And HML, Str. Site: 24-124 (bridge), Str. Site:24-252 (Culvert), Hwy. 401, District 6, Toronto.				
<b>--- Details ---</b>					
<b>Stratum ID:</b>	218625589			<b>Top Depth m:</b>	0
<b>Bottom Depth m:</b>	4			<b>Stratum Desc:</b>	Clayey silt to silty clay with some gravel. Very stiff to hard. (Glacial till)
<b>+</b>					
<b>Stratum ID:</b>	218625590			<b>Top Depth m:</b>	4
<b>Bottom Depth m:</b>	7.700000			<b>Stratum Desc:</b>	Red weathered shale
<b>18</b>	<b>1 of 1</b>	<b>242.5</b>	<b>181.8</b>	<b>ON</b>	<b><u>BORE</u></b>
<b>Borehole ID:</b>	641786			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	
<b>Drill Method:</b>	Power auger			<b>UTM Zone:</b>	17
<b>Easting:</b>	600495.000			<b>Northing:</b>	4828163.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	186.399994
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	185.899994
<b>Total Depth m:</b>	-999.000000			<b>Primary Name:</b>	
<b>Township:</b>				<b>Concession:</b>	
<b>Lot:</b>				<b>Municipality:</b>	
<b>Completion Date:</b>	1970-JUL			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>	Not Used			<b>Sec. Water Use:</b>	
<b>Location Description:</b>					
<b>--- Details ---</b>					
<b>Stratum ID:</b>	218497337			<b>Top Depth m:</b>	0
<b>Bottom Depth m:</b>	0.200000			<b>Stratum Desc:</b>	SOIL. AGE POST-GLACIAL.
<b>+</b>					
<b>Stratum ID:</b>	218497338			<b>Top Depth m:</b>	0.200000
<b>Bottom Depth m:</b>	1.800000			<b>Stratum Desc:</b>	TILL,SILT,SAND,CLAY.BROWN,GLACIAL,STIFF, AGE GLACIAL.
<b>+</b>					
<b>Stratum ID:</b>	218497339			<b>Top Depth m:</b>	1.800000
<b>Bottom Depth m:</b>	2.700000			<b>Stratum Desc:</b>	TILL,UNSPECIFIED, SHALE. RED,GLACIAL,VERY DENSE, AGE

Map Key	Number of Records	Distance m	Elevation m	Site	DB
					GLACIAL.
+					
<b>Stratum ID:</b>	218497340			<b>Top Depth m:</b>	2.700000
<b>Bottom Depth m:</b>	4			<b>Stratum Desc:</b>	BEDROCK, SHALE. RED, WEATHERED, AGE UNDIFFERENTIATED.
+					
<b>Stratum ID:</b>	218497341			<b>Top Depth m:</b>	4
<b>Bottom Depth m:</b>				<b>Stratum Desc:</b>	REFUSAL OF ENTRY. DRY. 012 0000501900060100RED,
<b>19</b>	<b>1 of 1</b>	<b>261.1</b>	<b>181.8</b>	<b>ON</b>	<b><u>BORE</u></b>
<b>Borehole ID:</b>	853566			<b>Type:</b>	Borehole
<b>Use:</b>	Geotechnical/Geological Investigation			<b>Status:</b>	Decommissioned
<b>Drill Method:</b>	Solid stem auger			<b>UTM Zone:</b>	17
<b>Easting:</b>	600125.000			<b>Northing:</b>	4828497.000
<b>Location Accuracy:</b>				<b>Orig. Ground Elev m:</b>	190.800003
<b>Elev. Reliability Note:</b>				<b>DEM Ground Elev m:</b>	190.399994
<b>Total Depth m:</b>	6.100000			<b>Primary Name:</b>	
<b>Township:</b>	TORONTO			<b>Concession:</b>	CON 5 WEST OF CENTRE ROAD OR HURONTARIO STREET
<b>Lot:</b>	LOT 11			<b>Municipality:</b>	
<b>Completion Date:</b>	1994-JUN-14			<b>Static Water Level:</b>	
<b>Primary Water Use:</b>				<b>Sec. Water Use:</b>	
<b>Location Description:</b>	Hwy. 401 Structure Replacement over Derry Road Culvert Extension, Retaining Wall, And HML, Str. Site: 24-124 (bridge), Str. Site: 24-252 (Culvert), Hwy. 401, District 6, Toronto.				
--- Details ---					
<b>Stratum ID:</b>	218625591			<b>Top Depth m:</b>	0
<b>Bottom Depth m:</b>	1.300000			<b>Stratum Desc:</b>	Clayey silt with some sand and gravel. Very stiff. (probable fill)
+					
<b>Stratum ID:</b>	218625592			<b>Top Depth m:</b>	1.300000
<b>Bottom Depth m:</b>	4			<b>Stratum Desc:</b>	Silty clay, with some sand and gravel. Hard. (Glacial till)
+					
<b>Stratum ID:</b>	218625593			<b>Top Depth m:</b>	4
<b>Bottom Depth m:</b>	6.100000			<b>Stratum Desc:</b>	Red weathered shale
<b>20</b>	<b>1 of 1</b>	<b>261.6</b>	<b>181.8</b>	<b>2435 - 2465 Argentia Road Mississauga ON L5N 0B4</b>	<b><u>EHS</u></b>
<b>Order No.:</b>	20101119001				
<b>Report Date:</b>	11/25/2010				
<b>Report Type:</b>	Custom Report				
<b>Search Radius (km):</b>	0.25				
<b>Addit. Info Ordered:</b>					

Map Key	Number of Records	Distance m	Elevation m	Site	DB
21	1 of 9	282.5	182.0	<b>CIBA Specialty Chemicals Canada Inc. 2626 Argentia Road Mississauga ON L5N 5N2</b>	<a href="#">CA</a>
<b>Certificate #:</b>		5022-6G7QVT			
<b>Application Year:</b>		2005			
<b>Issue Date:</b>		9/14/2005			
<b>Approval Type:</b>		Air			
<b>Status:</b>		Approved			
<b>Application Type:</b>					
<b>Client Name:</b>					
<b>Client Address:</b>					
<b>Client City:</b>					
<b>Client Postal Code:</b>					
<b>Project Description:</b>					
<b>Contaminants:</b>					
<b>Emission Control:</b>					
21	2 of 9	282.5	182.0	<b>CIBA SPECIALTY CHEMICALS CANADA INC 2626 ARGENTIA RD MISSISSAUGA ON L5N 5N2</b>	<a href="#">CHEM</a>
<b>Mailing City:</b>					
<b>Mailing Address:</b>					
<b>Mailing Address 2:</b>					
<b>Business:</b>		Chemicals			
<b>Description:</b>					
21	3 of 9	282.5	182.0	<b>BASF Canada Inc. 2626 Argentia Road Mississauga ON L5N 5N2</b>	<a href="#">GEN</a>
<b>SIC Code:</b>		418410			
<b>SIC Description:</b>		Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			
<b>Generator #:</b>		ON7163250			
<b>Approval Yrs:</b>		2010			
<b>--- Details ---</b>					
<b>Waste Code:</b>		121			
<b>Waste Description:</b>		ALKALINE WASTES - HEAVY METALS			
<b>+</b>					
<b>Waste Code:</b>		112			
<b>Waste Description:</b>		ACID WASTE - HEAVY METALS			
21	4 of 9	282.5	182.0	<b>BASF Canada Inc. 2626 Argentia Road Mississauga ON L5N 5N2</b>	<a href="#">GEN</a>
<b>SIC Code:</b>		418410			
<b>SIC Description:</b>		Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			
<b>Generator #:</b>		ON7163250			
<b>Approval Yrs:</b>		2009			
<b>--- Details ---</b>					
<b>Waste Code:</b>		112			
<b>Waste Description:</b>		ACID WASTE - HEAVY METALS			

<i>Map Key</i>	<i>Number of Records</i>	<i>Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
+ Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS					
21	5 of 9	282.5	182.0	<b>Ciba Canada Ltd.</b> 2626 Argentinia Road Mississauga ON L5N 5N2	<a href="#">GEN</a>
SIC Code: 418410 SIC Description: Chemical (except Agricultural) and Allied Product Wholesaler-Distributors Generator #: ON7163250 Approval Yrs: 07,08					
--- Details --- Waste Code: 112 Waste Description: ACID WASTE - HEAVY METALS					
+ Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS					
21	6 of 9	282.5	182.0	<b>Ciba Specialty Chemicals</b> 2626 Argentinia Rd Mississauga ON L5N 5N2	<a href="#">SCT</a>
Established: 1997 Plant Size (ft²): Employment:					
--- Details --- SIC/NAICS Code: 416340 Description: Paint, Glass and Wallpaper Wholesaler-Distributors					
+ SIC/NAICS Code: 417230 Description: Industrial Machinery, Equipment and Supplies Wholesaler-Distributors					
+ SIC/NAICS Code: 418410 Description: Chemical (except Agricultural) and Allied Product Wholesaler-Distributors					
+ SIC/NAICS Code: 541690 Description: Other Scientific and Technical Consulting Services					
21	7 of 9	282.5	182.0	<b>Shoplogix Inc.</b> 2626 Argentinia Rd Mississauga ON L5N 5N2	<a href="#">SCT</a>
Established: 01-AUG-01 Plant Size (ft²): 2500 Employment:					
--- Details --- SIC/NAICS Code: 334610 Description: Manufacturing and Reproducing Magnetic and Optical Media					
+ SIC/NAICS Code: 541510 Description: Computer Systems Design and Related Services					
+ SIC/NAICS Code: 541510 Description: Computer Systems Design and Related Services					

<i>Map Key</i>	<i>Number of Records</i>	<i>Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
21	8 of 9	282.5	182.0	<b>Ciba Specialty Chemicals Canada Inc. 2626 Argentia Ave Mississauga ON L5N 5N2</b>	<a href="#">SCT</a>
<i>Established:</i>		1997			
<i>Plant Size (ft²):</i>					
<i>Employment:</i>					
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		417230			
<i>Description:</i>		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
+					
<i>SIC/NAICS Code:</i>		418410			
<i>Description:</i>		Chemical (except Agricultural) and Allied Product Wholesaler-Distributors			
21	9 of 9	282.5	182.0	<b>MAPLE LEAF POULTRY 2626 ARGENTIA RD MISSISSAUGA ON L5N 5N2</b>	<a href="#">SCT</a>
<i>Established:</i>		1950			
<i>Plant Size (ft²):</i>		0			
<i>Employment:</i>		90			
<i>--- Details ---</i>					
<i>SIC/NAICS Code:</i>		2015			
<i>Description:</i>		POULTRY SLAUGHTERING AND PROCESSING			

# Unplottable Report

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**Site:** DAVID PEARCE AKITT & SWANSON, ARCHITECTS  
ARGENTIA RD. MISSISSAUGA CITY ON

**Database:**  
CA

**Certificate #:** 7-0043-89-006  
**Application Year:** 89  
**Issue Date:** 1/24/89  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** R.M. OF PEEL  
DERRY RD. WEST MISSISSAUGA CITY ON

**Database:**  
CA

**Certificate #:** 3-1843-86-  
**Application Year:** 86  
**Issue Date:** 12/31/1986  
**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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**Site:** Part of Lots 13 & 14, Conc. 11 Argentia Road Mississauga ON

**Database:**  
CA

**Certificate #:** 6128-4NNPC3  
**Application Year:** 00  
**Issue Date:** 8/31/00  
**Approval Type:** Municipal & Private water  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** W.C. 401 Developments Limited  
**Client Address:** 259 Yorkland Road, Suite 300  
**Client City:** Toronto  
**Client Postal Code:** M2J 5B2  
**Project Description:** Construction of watermains on Argentia Road.  
**Contaminants:**  
**Emission Control:**



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**Site:** ERIN MILLS DEVELOPMENT CORPORATION  
ARGENTIA ROAD MISSISSAUGA CITY ON

**Database:**  
CA

**Certificate #:** 7-1039-90-  
**Application Year:** 90  
**Issue Date:** 7/17/1990  
**Approval Type:** Municipal water  
**Status:** Approved  
**Application Type:**  
**Client Name:**  
**Client Address:**  
**Client City:**  
**Client Postal Code:**  
**Project Description:**  
**Contaminants:**  
**Emission Control:**

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**Site:** ERIN MILLS DEVELOPMENT CORPORATION  
ARGENTIA RD.-PT. LOTS 12 & 13 MISSISSAUGA CITY ON

**Database:**  
CA

**Certificate #:** 3-1288-90-  
**Application Year:** 90  
**Issue Date:** 7/17/1990  
**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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**Site:** DAVID PEARCE AKITT & SWANSON, ARCHITECTS  
ARGENTIA RD. MISSISSAUGA CITY ON

**Database:**  
CA

**Certificate #:** 3-0043-89-  
**Application Year:** 89  
**Issue Date:** 1/24/1989  
**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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**Site:** Part of Lots 13 & 14, Conc. 11, Argentia Road Mississauga ON

**Database:**  
CA

**Certificate #:** 2115-4NNP7V  
**Application Year:** 00

**Issue Date:** 8/31/00  
**Approval Type:** Municipal & Private sewage  
**Status:** Approved  
**Application Type:** New Certificate of Approval  
**Client Name:** W.C. 401 Developments Limited  
**Client Address:** 259 Yorkland Road, Suite 300  
**Client City:** Toronto  
**Client Postal Code:** M2J 5B2  
**Project Description:** Construction of storm and sanitary sewers on Argentia Road.  
**Contaminants:**  
**Emission Control:**

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**Site:** Brookfield Lepage Johnson Controls  
HWY 401 Info Center Mississauga ON M2N 3R8

**Database:**  
GEN

**SIC Code:**  
**SIC Description:**  
**Generator #:** ON4812388  
**Approval Yrs:** 04

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**Site:** PREMIER-MURPHY - A JOINT VENTURE 30-602  
401 & EXIT 778, PT L 38 C. 6 TWP OF CORNWALL, C/O 2244 DREW RD UNIT 6 MISSISSAUGA ON L5S  
1B1

**Database:**  
GEN

**SIC Code:** 4113  
**SIC Description:** GAS & OIL PIPELINES  
**Generator #:** ON1169902  
**Approval Yrs:** 92,93,94,95,96,97,98

--- Details ---

**Waste Code:** 252  
**Waste Description:** WASTE OILS & LUBRICANTS

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**Site:** PRIVATE OWNER  
W/B 401, CENTRE CORE, RIGHT SHOULDER CATCH BASIN MOTOR VEHICLE (OPERATING FLUID)  
MISSISSAUGA CITY ON

**Database:**  
SPL

**Ref No.:** 157981  
**Incident Dt:** 7/15/1998  
**MOE Reported Dt:** 7/15/1998  
**Contaminant Name:**  
**Contaminant Quantity:**  
**Incident Summary:** PRIVATE OWNER-45 L GASO- LINE ONTO HWY,CAR ON FIREFOAM USED BY FD, MTO.  
**Incident Cause:** OTHER TRANSPORTATION ACCIDENT  
**Incident Reason:** FIRE/EXPLOSION  
**Nature of Impact:** Water course or lake  
**Receiving Medium:** LAND  
**Environmental Impact:** NOT ANTICIPATED

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**Site:** MACKIE TRANSPORT  
HWY 401 EASTBOUND JUST EAST OF MISSISSAUGA ROAD. TRANSPORT TRUCK (CARGO)  
MISSISSAUGA CITY ON

**Database:**  
SPL

**Ref No.:** 160261  
**Incident Dt:** 9/18/1998  
**MOE Reported Dt:** 9/19/1998  
**Contaminant Name:**

**Contaminant Quantity:**  
**Incident Summary:** MACKIE-400 L DIESEL TO HIGHWAY,CB'S DYKED BY FD,CLEANUP UNDERWAY,REGION.  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Reason:** ERROR  
**Nature of Impact:** Multi Media Pollution  
**Receiving Medium:** LAND  
**Environmental Impact:** POSSIBLE

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**Site:** ASHLAND CHEMICALS  
HWY 401 TRANSPORT TRUCK (CARGO) MISSISSAUGA CITY ON

**Database:**  
SPL

**Ref No.:** 20358  
**Incident Dt:** 6/1/1989  
**MOE Reported Dt:** 6/5/1989  
**Contaminant Name:**  
**Contaminant Quantity:**  
**Incident Summary:** BACKENTRY - ASHLAND CHEM METHYLETHYL CHLORIDE FROMRUPTURED DRUM (AMT U/K)  
**Incident Cause:** OTHER CONTAINER LEAK  
**Incident Reason:** OTHER  
**Nature of Impact:**  
**Receiving Medium:** AIR  
**Environmental Impact:** NOT ANTICIPATED

## Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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:** Up to Sept 2002 Provincial [AAGR](#)  
The MAAP Program maintains a database of all 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.

**Aggregate Inventory:** Up to Aug 2012 Provincial [AGR](#)  
The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

**Abandoned Mine Information System:** 1800-Feb 2013 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.

**Anderson's Waste Disposal Sites:** 1860s-Present 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.

**Automobile Wrecking & Supplies:** 2001-Jun 2010 Private [AUWR](#)  
This database provides an inventory of all 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.

**Borehole:** 1875-Aug 2011 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.

**Certificates of Approval:** 1985-Oct 30, 2011\* 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.

**Commercial Fuel Oil Tanks:** 1948-Apr 2013 Provincial [CFOT](#)  
 Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

**Chemical Register:** 1992, 1999-Jun 2010 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.).

**Inventory of Coal Gasification Plants and Coal Tar Sites:** Apr 1987 and Nov 1988\* 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.\*

**Compliance and Convictions:** 1989-Jun 2013 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.

**Certificates of Property Use:** 1994-Jul 2013 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.

**Drill Hole Database:** 1886-Jun 2013 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 MNM. 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".

**Environmental Activity and Sector Registry:** Oct 31, 2011-Jul 2013 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.

**Environmental Registry:** 1994-Jul 2013 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.

**Environmental Compliance Approval:** Oct 31, 2011-Jul 2013 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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Environmental Effects Monitoring:** 1992-2007\* 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.

**ERIS Historical Searches:** 1999-Mar 2013 Private [EHS](#)  
EcoLog 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.

**Environmental Issues Inventory System:** 1992-2001\* Federal [EIS](#)  
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 EIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

**List of TSSA Expired Facilities:** Current to Feb 2012 Provincial [EXP](#)  
This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

**Federal Convictions:** 1988-Jun 2007\* 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.



**Contaminated Sites on Federal Land:**

June 2000-Jan 2013

Federal

[FCS](#)

The Federal Contaminated Sites Inventory includes information on all 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.

**Fisheries & Oceans Fuel Tanks:**

1964-Sept 2003

Federal

[FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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.

**Fuel Storage Tank:**

Current to Jun 2011

Provincial

[FST](#)

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

**Ontario Regulation 347 Waste Generators Summary:**

1986-Apr 2012

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.

**TSSA Historic Incidents:**

2006-June 2009

Provincial

[HINC](#)

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Indian & Northern Affairs Fuel Tanks:**

1950-Aug 2003\*

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

**TSSA Incidents:**

June 2009-Apr 2013

Provincial

[INC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Landfill Inventory Management Ontario:**

2012

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

**Canadian Mine Locations:**

1998-2009

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.

**Mineral Occurrences:**

1846-Apr 2013

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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**National Analysis of Trends in Emergencies System**

1974-1994\*

Federal

[NATE](#)**(NATES):**

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.

**Non-Compliance Reports:**

1992(water only), 1994-2010

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.

**National Defence & Canadian Forces Fuel Tanks:** Up to May 2001\* Federal [NDFT](#)  
The Department of National Defence 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.

**National Defence & Canadian Forces Spills:** Mar 1999-Aug 2010 Federal [NDSP](#)  
The Department of National Defence 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.

**National Defence & Canadian Forces Waste Disposal Sites:** 2001-Apr 2007\* 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.

**National Environmental Emergencies System (NEES):** 1974-2003\* 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 all 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.

**National PCB Inventory:** 1988-2008\* Federal [NPCB](#)  
Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.

**National Pollutant Release Inventory:** 1993-2011 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.

**Oil and Gas Wells:** 1988-Jun 2013 Private [OGW](#)  
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](http://www.nickles.com).

**Ontario Oil and Gas Wells:** 1800-Jul 2013 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, well cap date, licence 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.

**Inventory of PCB Storage Sites:** 1987-Oct 2004 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.

**Orders:** 1994-Jul 2013 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.

**Canadian Pulp and Paper:** 1999, 2002, 2004, 2005, 2009 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.

**Parks Canada Fuel Storage Tanks:** 1920-Jan 2005\* Federal [PCFT](#)  
Canadian Heritage maintains an inventory of all 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.

**Pesticide Register:** 1988-Jun 2013 Provincial [PES](#)  
The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

**TSSA Pipeline Incidents:** June 2009-Mar 2012 Provincial [PINC](#)  
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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Private and Retail Fuel Storage Tanks:** 1989-1996\* 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).

**Permit to Take Water:** 1994-Jul 2013 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.

**Ontario Regulation 347 Waste Receivers Summary:** 1986-2011 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.

**Record of Site Condition:** 1997-Sept 2001, Oct 2004- Jun 2013 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).

**Retail Fuel Storage Tanks:** 1999-Jun 2010 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.

**Scott's Manufacturing Directory:** 1992-Mar 2011 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.

**Ontario Spills:** 1988-Aug 2012 Provincial [SPL](#)  
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.

**Wastewater Discharger Registration Database:** 1990-2011 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).

**Anderson's Storage Tanks:** 1915-1953\* 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.

**Transport Canada Fuel Storage Tanks:** 1970-Mar 2007 Federal [TCFT](#)  
With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.



**TSSA Variances for Abandonment of Underground**

Current to Jun 2013

Provincial

[VAR](#)

**Storage Tanks:**

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

**Waste Disposal Sites - MOE CA Inventory:**

1970-Jul 2013

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.

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Up to Oct 1990\*

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.

**Water Well Information System:**

1955-May 2013

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.

# 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.

**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, within the report search radius, and the surrounding area outside the search radius.

'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.

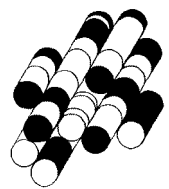
The symbol and colour used indicates 'elevation': the red upside down triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**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 were included as reference.



# APPENDIX B

**TERRAPROBE INC.**



## Veronica Diez

---

**From:** OConnor, Andrew <Andrew.OConnor@hdrinc.com>  
**Sent:** Wednesday, September 25, 2013 5:59 PM  
**To:** OConnor, Andrew  
**Subject:** FW: CVC Comments - Notices of Commencement - Derry & Argentia,  
**Attachments:** Derry & Argentia.pdf; MulletCreek\_Sheet12.pdf

**ANDREW O'CONNOR**  
B.A.Sc., M.Eng., E.I.T.

**HDR Corporation**  
Transportation E.I.T.

255 Adelaide Street West | Toronto, ON M5H 1X9  
tel: 647.777.4953 | cell: 416.305.0316  
[andrew.oconnor@hdrinc.com](mailto:andrew.oconnor@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

---

**From:** Rook, Sally [<mailto:Sally.Rook@peelregion.ca>]  
**Sent:** Friday, August 16, 2013 2:01 PM  
**To:** Reitmeier, Anthony  
**Cc:** Soodeen, Laverne  
**Subject:** CVC Comments - Notices of Commencement - Derry & Argentia,

FYI

Sally Rook, C.Tech., PMP | Project Manager  
Infrastructure Programming & Studies | Public Works  
Region of Peel | 10 Peel Centre Dr., Suite B, 4th Floor, Brampton ON L6T 4B9  
Tel. 905-791-7800 ext. 7842

REGION OF PEEL ■■■ working for you

---

**From:** Kilis, Jacob  
**Sent:** August 16, 2013 11:18 AM  
**To:** Rook, Sally; Soodeen, Laverne  
**Subject:** CVC Comments - Notices of Commencement - Derry & Argentia,

Sally and Laverne,

CVC comments re Notice of Commencement for Derry Rd and Argentia intersection improvements. I have also attached map with features of interest to CVC and floodplain mapping for the area.

The mullett creek floodplain for both the main mullett creek (north of Hwy 401) and a tributary extend into your study area. Any works which may have an impact on the floodplain will need to be evaluated to ensure that there are no off site impacts. Further, please note that Derry road North/East of Hwy 401 is flooded during regional storm conditions. Any works to alleviate this conditions should be considered if within the scope of this EA.

Please let me know if you have any questions.

Regards,  
Jakub

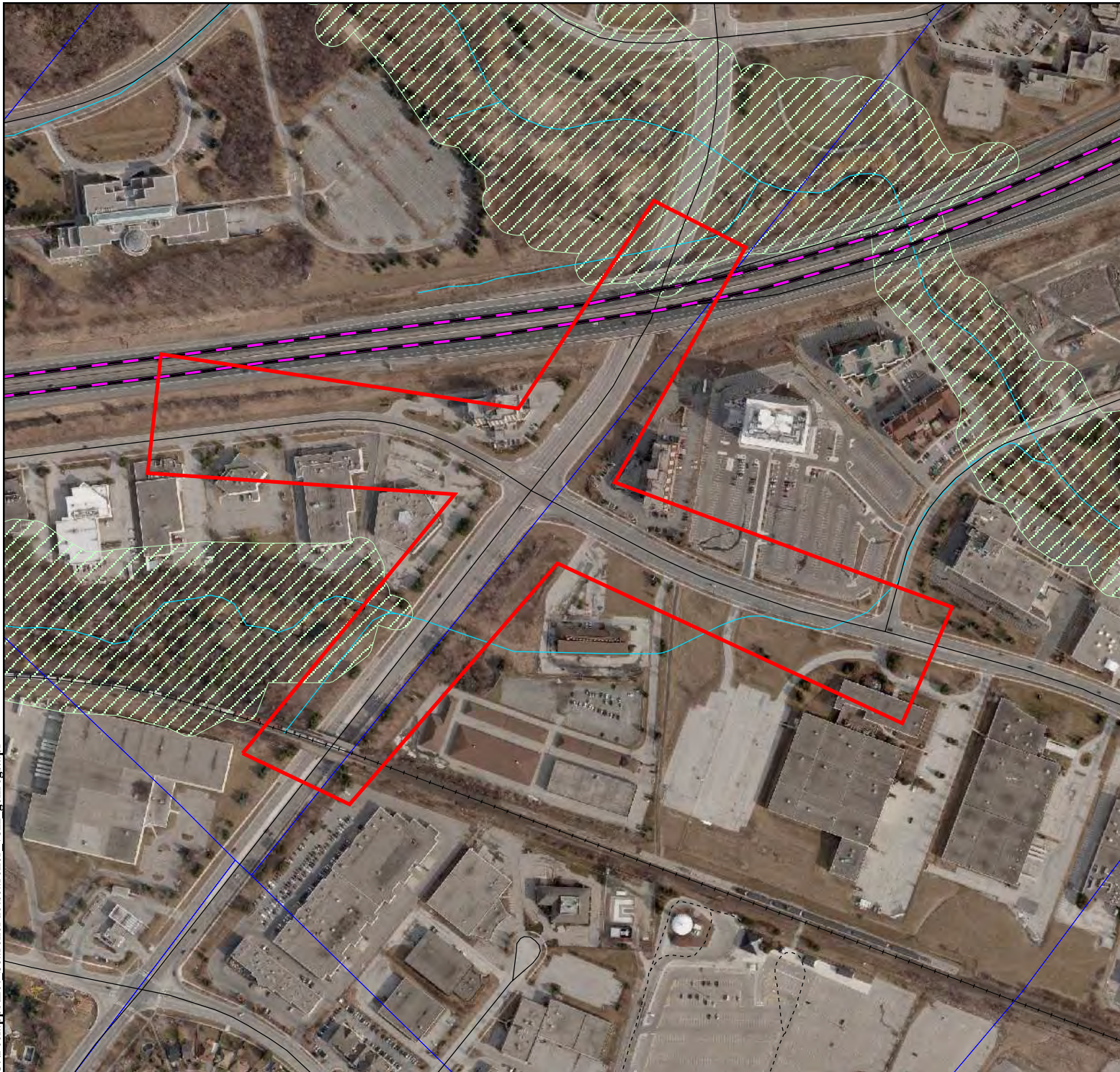


Jakub Kilis, MCIP, RPP | Planner, Environmental Assessment  
Credit Valley Conservation  
jkilis@creditvalleyca.ca | 905.670.1615 ext 287  
1255 Old Derry Rd, Mississauga, ON L5N 6R4  
www.creditvalleyca.ca

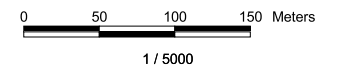




# Derry & Argenta

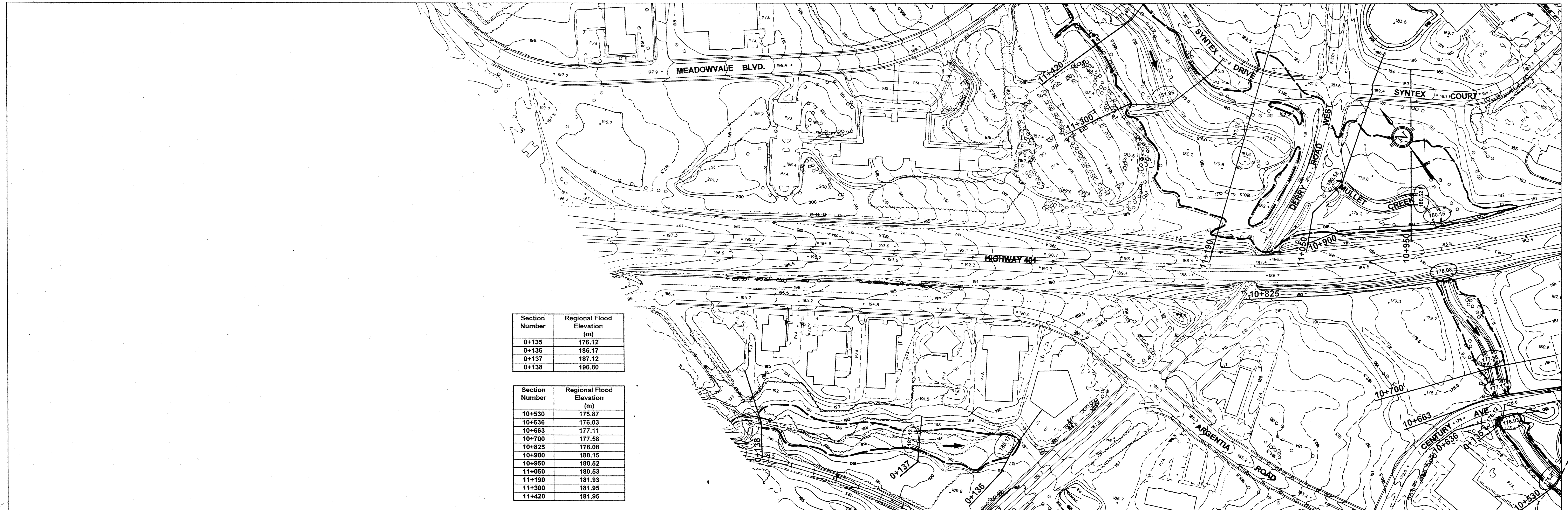


- Wetland MNR
  - Other
  - Provincial
  - Unevaluated
- Wetlands
  - Field confirmed
  - Local
  - Local - wetland lost
  - Provincial
  - Provincial - wetland lost
  - Remote sensed
  - Life Science ANSI
  - Environmentally Significant Areas
  - Peel Greenlands
- Transportation Network
  - Abandoned railroad
  - Accessway
  - Existing railroad
  - Highway
  - Street
- Lot Annotation
  - Lakes and Ponds
  - Rivers and Streams
  - Lots
  - Subwatershed Boundaries
  - Regulated Features



Information presented on this map is property of Credit Valley Conservation. Responsibility for appropriate use of the information lies with the user.



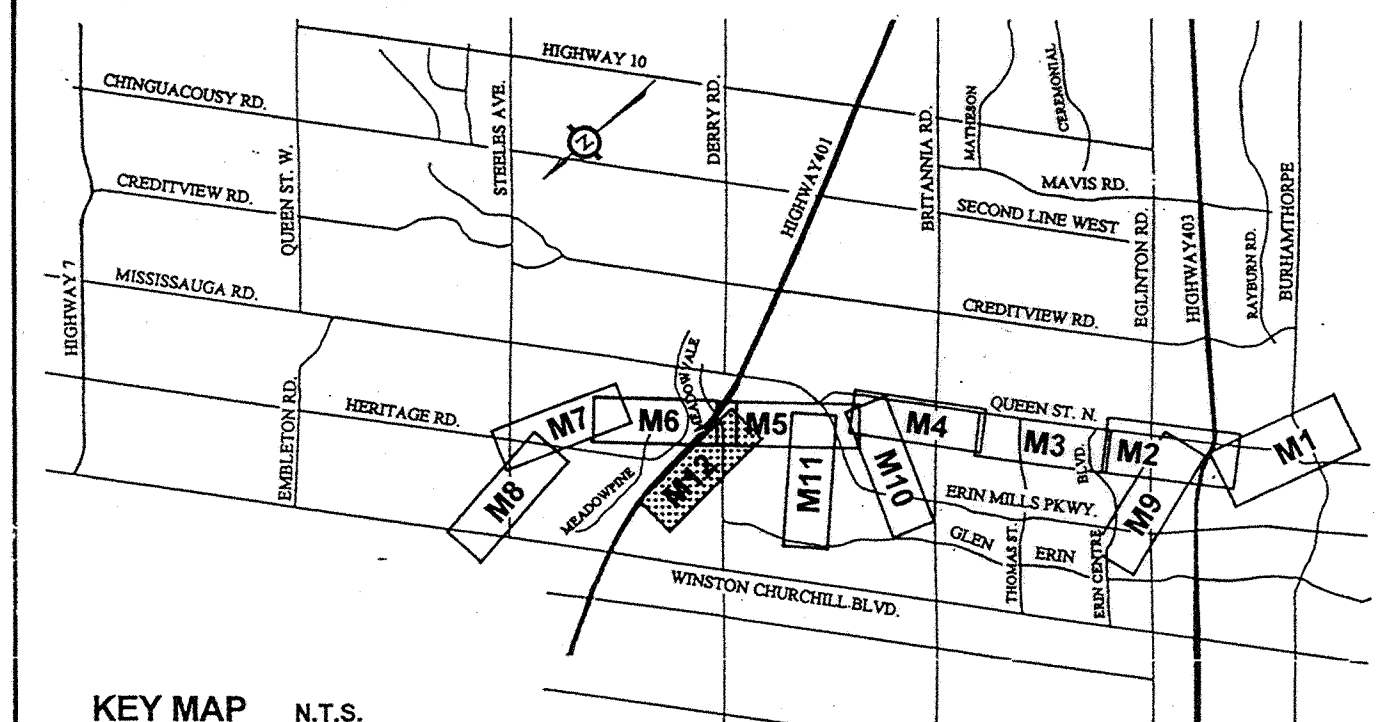


Section Number	Regional Flood Elevation (m)
0+135	176.12
0+136	186.17
0+137	187.12
0+138	190.80

Section Number	Regional Flood Elevation (m)
10+530	175.87
10+636	176.03
10+663	177.11
10+700	177.58
10+825	178.08
10+900	180.15
10+950	180.52
11+050	180.53
11+190	181.93
11+300	181.95
11+420	181.95

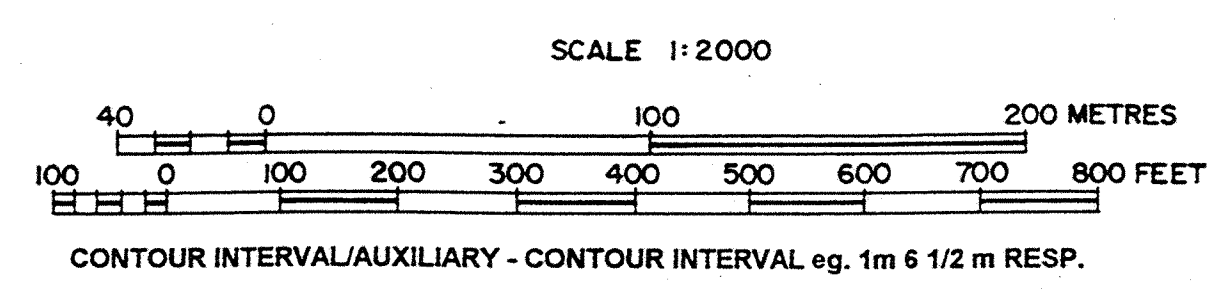
**LEGEND:**

- Intermediate Contour — 174 — Falls (double Line River) Falls
- Index Contour — 175 — Fence, Hedge Wall Fence, Hedge Wall
- Auxiliary Contour - - - 173.5 — Flooded Land Flooded Land
- Indefinite Contour - - - - - Lake, Pond Lake, Pond
- Depression Contour Depression Contour
- Dam Dam
- Dyke Dyke
- Ditch Ditch
- Double Line River with Multiple Rapids Double Line River with Multiple Rapids
- River, Stream, Canal River, Stream, Canal
- River, Stream, Canal (Approx. Seasonal) River, Stream, Canal (Approx. Seasonal)
- Direction of Flow Direction of Flow
- Spot Elevation (Lake Elevation) 172.8 Spot Elevation (Lake Elevation)
- Wooded Area Wooded Area
- Regional Floodline Regional Floodline
- HEC-2 Cross-Section (Location by CPM) 2+290 HEC-2 Cross-Section (Location by CPM)
- HEC-2 Cross-Section (Location by others) 5.00 HEC-2 Cross-Section (Location by others)
- Regional Flood Elevation (metres) 172.39 Regional Flood Elevation (metres)
- Flood Vulnerable Area Flood Vulnerable Area



**GENERAL INFORMATION:**

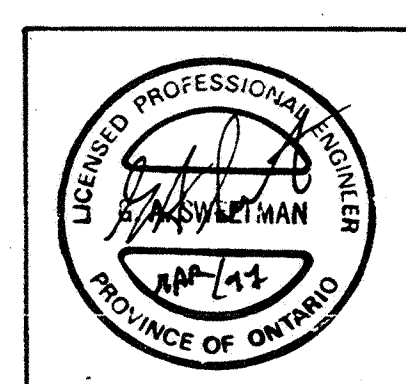
- Vertical Datum - Mean Sea Level
- Horizontal Datum - North American 1983
- Map Projection - Transverse Mercator
- Central Meridian - 81 West Longitude
- Aerial Photography -



**MULLET CREEK FLOOD RISK MAP**

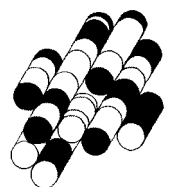
SOURCE: City of Mississauga Digital Data.

**COSBURN PATTERSON MATHER LIMITED**  
 CONSULTING ENGINEERS 7270 WOODBINE AVE., SUITE 300, MARKHAM, ONT. L3R 4B9  
 TELEPHONE (905) 474-0455



# APPENDIX C

**TERRAPROBE INC.**

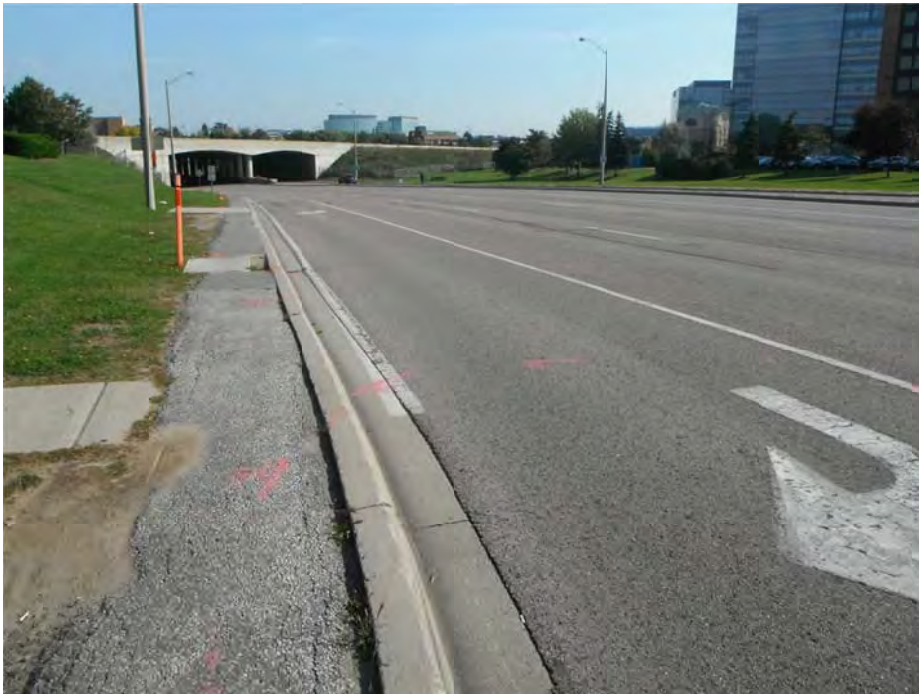






Photograph #1

A view of the Property  
(intersection of Derry Road &  
Argentia Road) looking west



Photograph #2

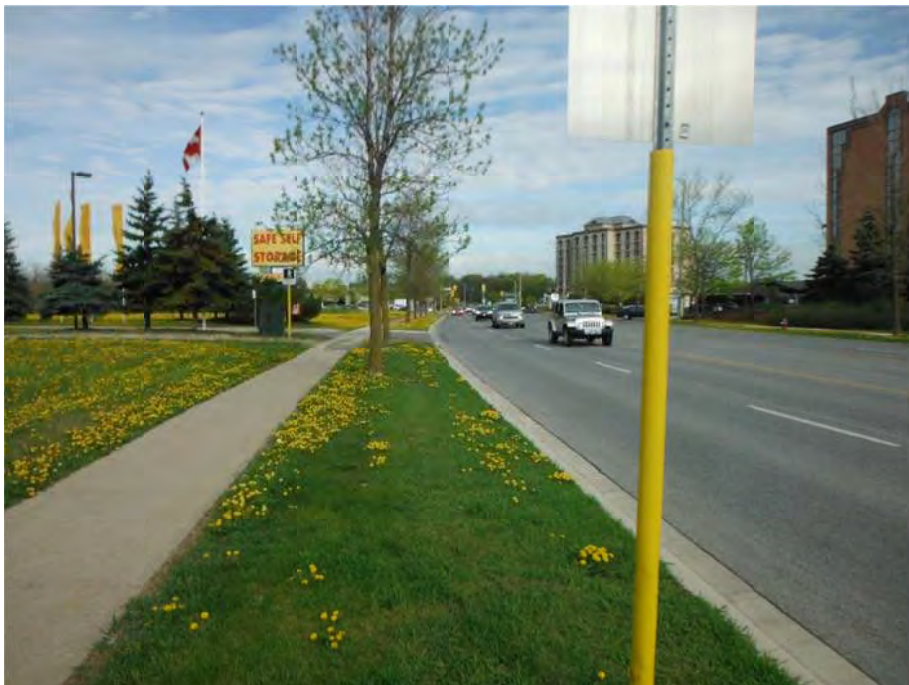
A view of the Property (Derry  
Road) looking east, Highway  
401 crossing at the eastern  
end of the property





Photograph #3

A view of the Property  
(Argentia Road) looking  
north



Photograph #4

A view of the Property (south  
stretch Argentia Road)  
looking north



Photograph #5

A view of the Property (west stretch of Derry Road) looking west

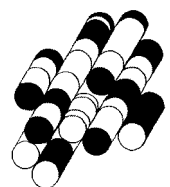


Photograph #6

Railway crossing at the west end of Derry Road

# APPENDIX D

**TERRAPROBE INC.**



**"TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY"**  
**(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)**

Year	Name of Owner	Description of Property Use	Property Use <sup>1</sup>	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
300 m stretch of Derry Road and Argentia Road at intersection of Derry Road/Argentia Road				
Prior to 1985	Region of Peel (Derry Road); Unknown (Remainder of the Property)	Commercial (Derry Road), Agricultural (remainder of the Property)	Agricultural or other use	Based on the aerial photographs
1985 to Date	Region of Peel (Derry Road); City of Mississauga (Argentia Road)	Commercial	Commercial	Based on the aerial photographs

*Notes:*

1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

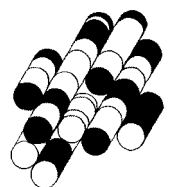
- Agriculture or other use
- Commercial use
- Community use
- Industrial use
- Institutional use
- Parkland use
- Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

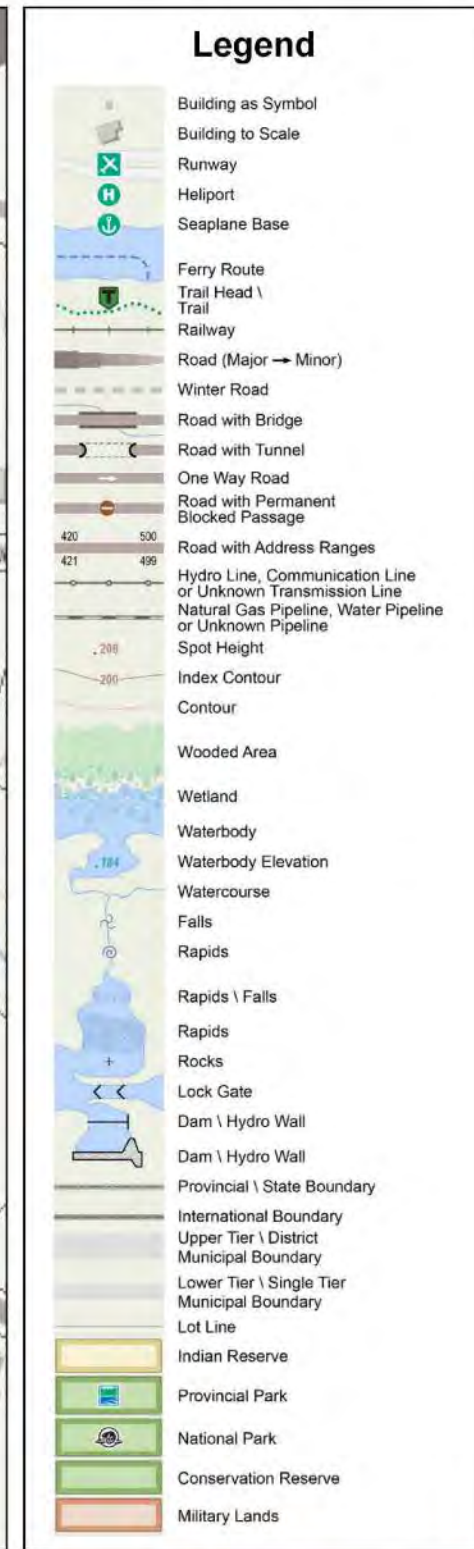
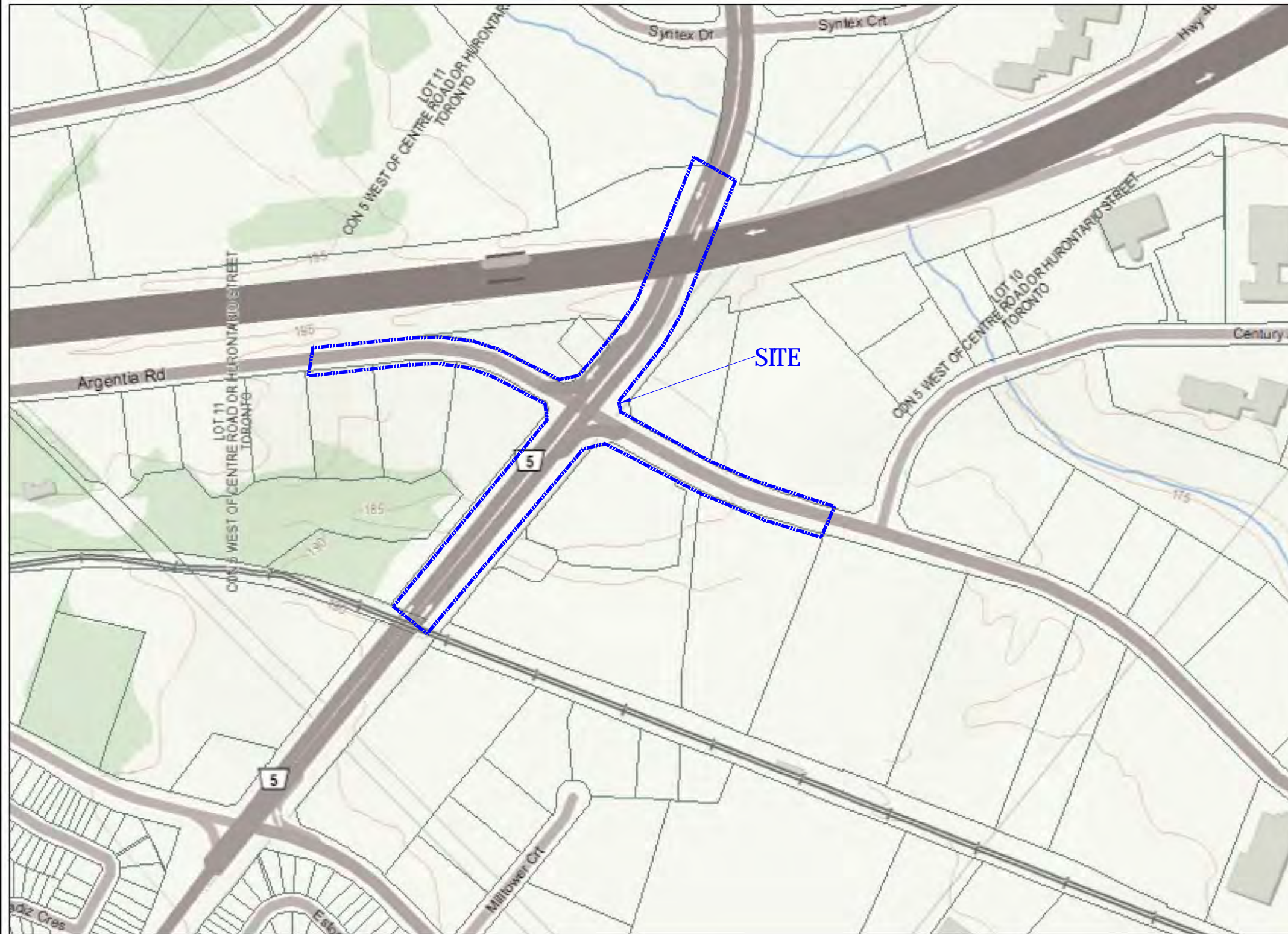
**\*\*Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en français, veuillez communiquer avec le ministère de l'Environnement au 1-800-461-6290**

# APPENDIX E

**TERRAPROBE INC.**







Scale: 1 : 9,028



This map should not be relied on as a precise indicator of routes or locations, nor as a guide to navigation. The Ontario Ministry of Natural Resources (OMNR) shall not be liable in any way for the use of, or reliance upon, this map or any information on this map.

Imagery Copyright Notices: DRAPE © Aéro-Photo (1961) Inc., 2008-2009  
GTA 2005 / SWOOP 2006 / Simcoe-Muskoka-Dufferin © FirstBase Solutions, 2005 / 2006 / 2008

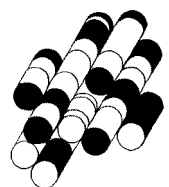
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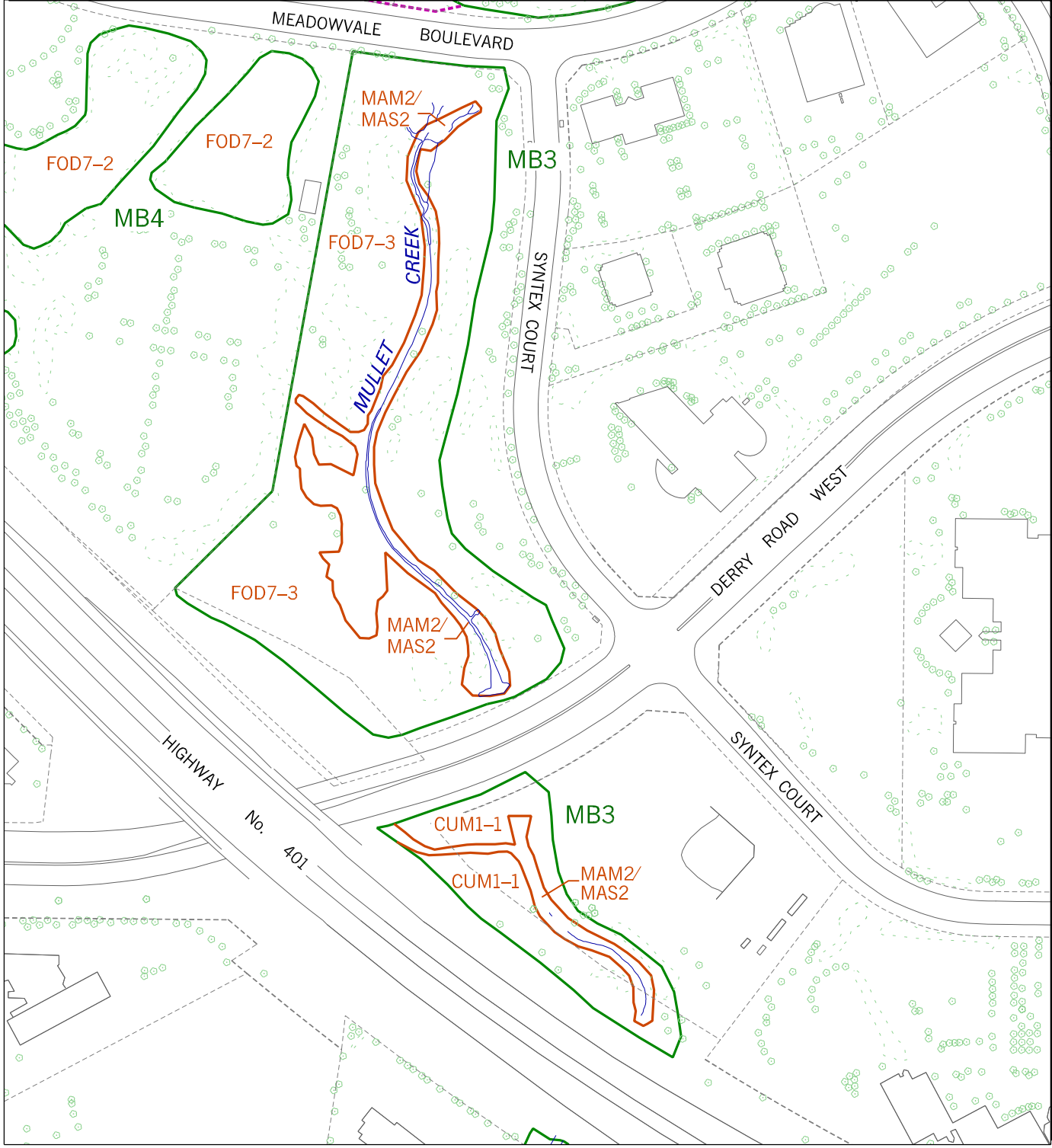


# APPENDIX F

**TERRAPROBE INC.**







# City of Mississauga Natural Areas Survey (2010)



N.T.S.

**LEGEND:**

- Natural Areas
- Vegetation Communities
- - - Special Management Areas
- - - Linkage



# City of Mississauga Natural Areas Survey (2010)

## Natural Areas Fact Sheet

NATURAL AREA NAME	PLANNING DISTRICT	AREA (HA)	UTM GRID REFERENCE
MB3	Meadowvale Business Park	5.42	6004 48285

### 1. LOCATION

From Highway 401, north along Mullet Creek to Meadowvale Boulevard. Throughout its length Mullet Creek links a number of natural areas including CE1, CE5, CE9, CE12, SV10, SV12, MB7, MB9 and MB6. The natural areas MB2, MB4 and MB6 are located within 500 m to the northwest, west, and northwest, respectively.

### 2. CLASSIFICATION

Natural Green Space

### 3. DESCRIPTION

#### A. Physical Features

This site comprises the floodplain of Mullet Creek. A water quantity control facility is present. Bedrock geology consists of the red shales of the Queenston Formation. These are overlain by up to 7.5 m of soils and glacial deposits consisting of well drained Oneida clay loam, formed within deposits of the Halton till plain.

#### B. Biota

There are 59 floral species and 19 faunal species documented for this site. Three vegetation communities comprise this site (see accompanying figure): open with open slopes valley land community (K) [dry-moist old field meadow type (CUM1-1)], open water marsh (W) [reed-canary grass mineral meadow marsh type/cattail mineral shallow marsh type (MAM2-2/MAS2-1), and floodplain (B) [fresh-moist willow lowland forest type (FOD7-3)].

The open slopes are dominated by old field species including Canada goldenrod (*Solidago canadensis*), reed canary grass (*Phalaris arundinacea*), wild carrot (*Daucus carota*), birdsfoot trefoil (*Lotus corniculata*), milkweed (*Asclepias syriaca*), and thistles (*Cirsium* spp.). Scattered willows (*Salix* spp.), immature red ash (*Fraxinus pennsylvanica*), and Manitoba maple (*Acer negundo*) are present along the creek banks. Also usually present along the creek is riverbank grape (*Vitis riparia*), bittersweet nightshade (*Solanum dulcamara*), red-osier dogwood (*Cornus stolonifera*) and Tartarian honeysuckle (*Lonicera tatarica*). Sometimes conifers, such as Scot's pine (*Pinus sylvestris*) or Norway spruce (*Picea abies*), are planted in places along higher slopes.

The open water marsh follows a water channel. This is a complex community dominated by reed-canary grass (*Phalaris arundinacea*) and broad-leaved cattail (*Typha latifolia*). These two plants vary in their dominance throughout the community. Purple loosestrife (*Lythrum salicaria*) grows occasionally growing on the ground within this marsh.

The floodplain is best described as a willow lowland. Tree canopy cover varies from 40-60%. The canopy contains an abundance of crack willow (*Salix fragilis*) as well as the occasional red ash and Manitoba maple. The understory contains a variety of shrub species including white willow (*Salix alba*), red-osier dogwood, and tartarian honeysuckle. The ground layer is dominated by old field species including: Canada goldenrod, wild carrot (*Daucus carota*), milkweed (*Asclepias syriaca*), etc. Reed canary grass also grows in patches within this community.

## **B. Biota** (continued)

From the perspective of wildlife habitat, this natural area consists of a narrow, open area along Mullet Creek, with scattered shrubs overlying a herbaceous and graminoid understory. There is little diversity in the structure of vegetation. There are 17 bird species, 1 mammal and 1 amphibian recorded from this site. Species consisted of many habitat-generalists such as song sparrow but also several open wetland-dependent species such as common yellowthroat, willow flycatcher and red-winged blackbird. One mammal noted at this site, meadow jumping mouse, is unusual in Mississauga. During the spring and fall migration periods, the diversity of birds is expected to increase as species utilize remnant natural areas as stopovers *en route* to breeding or wintering habitat. Mullet Creek is classified as a type 2 fishery within this site.

## **4. CONDITION**

This site is in poor condition. Disturbances include the channelization of Mullet Creek, the lack of woody vegetation cover along the creek. Two major roads abut the site: Highway 401 and Derry Road West, and there is considerable noise from traffic on those roads. Invasive plant species include purple loosestrife (*Lythrum salicaria*) and Canada thistle (*Cirsium arvense*). Thirty-three introduced plant species (representing 55.93% of the total number of species present) are present at this site. This is an extremely high number of non-native species. The native FQI and native mean coefficient are both very low values of 9.79 and 1.92, respectively. These values were not calculated in previous years owing to insufficient inventory. Surrounding land use is industrial.

## **5. SIGNIFICANCE**

- 1 plant species considered rare with the City (known from 1 to 3 locations): shrubby cinquefoil (*Potentilla fruticosa*).
- 3 Credit Valley Conservation flora Species of Conservation Concern (Tier 1-3)
- 7 Credit Valley Conservation fauna Species of Conservation Concern (Tier 1-3), includes 5 birds, 1 mammal, and 1 amphibian.
- Contributes to the linkage function of Mullet Creek.
- Close proximity to natural areas MB2, MB4 and MB6.
- Floodplain provides floodwater storage for Mullet Creek.

## **6. MANAGEMENT NEEDS**

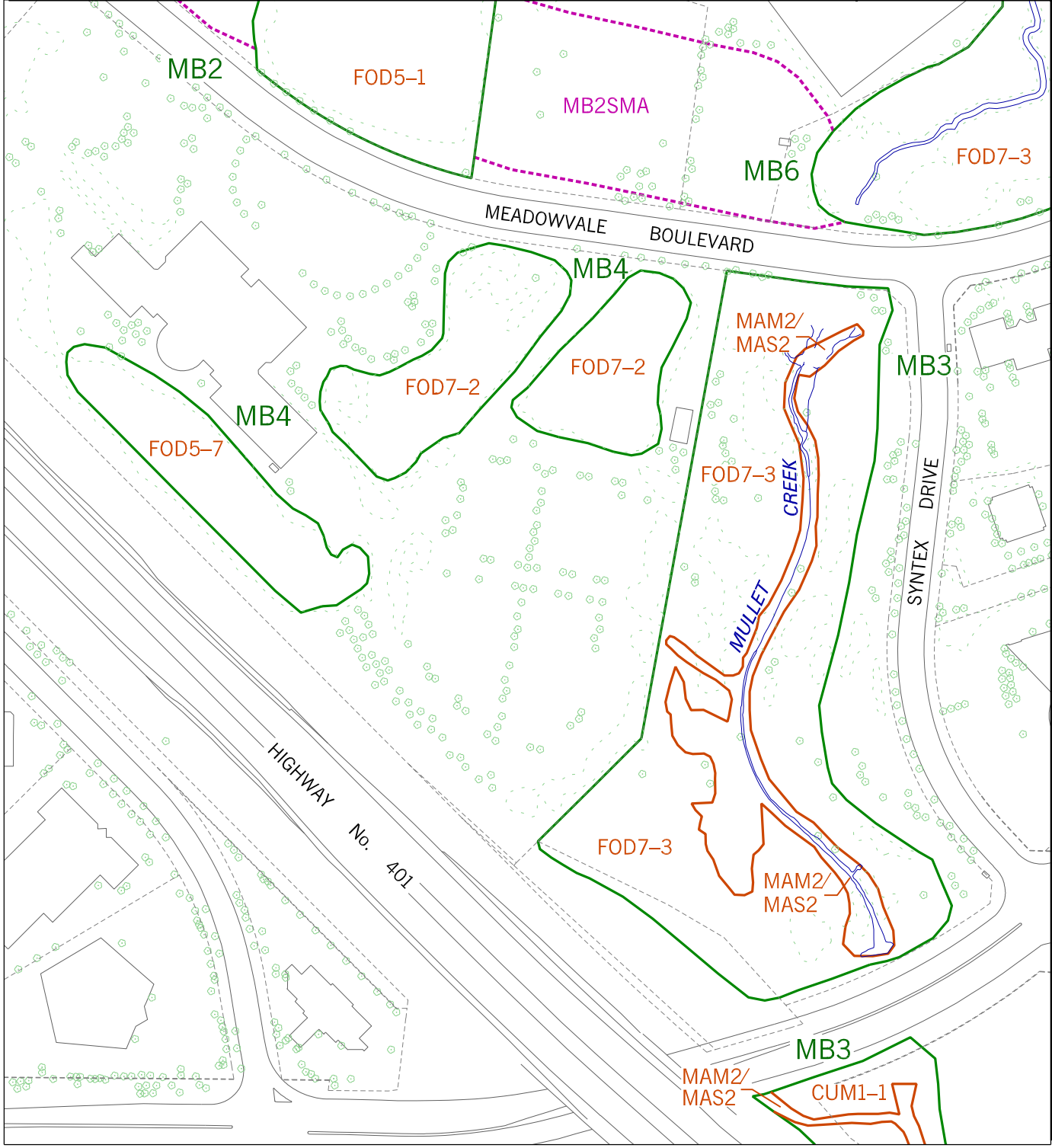
- The City Parks, Syntex Green and Leslie Trail, are included within this natural area.
- Riparian vegetation should be re-established along Mullet Creek.
- Additional research is required to document the flora and fauna species present at this site.

## **7. PRINCIPLE REFERENCES**

City of Mississauga (1978)  
Project Planning Associates Limited (1980)

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<sup>1</sup>Floristic quality is explained in the method section (2.3).



# City of Mississauga Natural Areas Survey (2010)



N.T.S.

**LEGEND:**

- Natural Areas
- Vegetation Communities
- - - Special Management Areas
- - - Linkage





# City of Mississauga Natural Areas Survey (2010)

## Natural Areas Fact Sheet

NATURAL AREA NAME	PLANNING DISTRICT	AREA (HA)	UTM GRID REFERENCE
MB4	Meadowvale Business Park	2.12	6000 48283

### 1. LOCATION

West of Syntex Drive, between Highway 401 and Meadowvale Boulevard. The natural areas MB2, MB6, and MB3 are located within 500 m to the north, northwest, and east respectively.

### 2. CLASSIFICATION

Natural Site

### 3. DESCRIPTION

#### A. Physical Features

This site is located in the Mullet Creek subwatershed. Topography is rolling and soil moisture is dry-mesic. Bedrock geology consists of the red shales of the Queenston Formation. These are overlain by up to 7.5 m of soils and glacial deposits consisting of well drained Oneida clay loam, formed within deposits of the Halton till plain.

#### B. Biota

There are 71 floral species and 16 faunal species documented for this site. Two vegetation communities comprise this site (see accompanying figure): sugar maple (*Acer saccharum* ssp. *saccharum*)-black cherry (*Prunus serotina*) forest (II) [dry-fresh sugar maple-black cherry deciduous forest type (FOD5-7)] and red ash (*Fraxinus pennsylvanica*)-American elm (*Ulmus americana*) forest (BB) [fresh-moist ash lowland deciduous forest type (FOD7-2)].

Sugar maple and black cherry dominate the closed canopy (21 m in height) of the southern woodlot remnant. Associate species are basswood (*Tilia americana*), American beech (*Fagus grandifolia*), and red oak (*Quercus rubra*). The canopy trees are typically 30 cm in diameter. Sugar maple and hop hornbeam (*Ostrya virginiana*) comprise the subcanopy. The understory is dominated by non-native garlic mustard (*Alliaria petiolata*), common buckthorn (*Rhamnus cathartica*), motherwort (*Leonurus cardiaca*), and red raspberry (*Rubus idaeus*).

The two northern woodlots are lowland forests, with fresh-moist soils. The predominant trees in the canopy include: red ash, American elm, white oak (*Quercus alba*), crack willow (*Salix fragilis*), and basswood (*Tilia americana*). The sub-canopy and understory is dominated by a dense layer of European buckthorn (*Rhamnus cathartica*) as well as the occasional red-osier dogwood (*Cornus stolonifera*), Virginia creeper (*Parthenocissus vitacea*), and riverbank grape (*Vitis riparia*). The ground layer primarily consists of regenerating trees and yellow avens (*Geum aleppicum*).

From the perspective of wildlife habitat, this natural area is highly fragmented and the forest patches are very small, with a high edge-to-interior ratio. The traffic noise from Highway 401 is extreme. Only eight bird species have been documented at this site, almost all of these species mainly nest in thicket habitats and forest edges such as gray catbird, house wren and American goldfinch. In the patch immediately next to Highway 401, which is the largest though also the narrowest, only two species were heard (gray catbird and American crow). During the spring and fall migration periods, the diversity of birds may increase slightly as species utilize remnant natural areas as stopovers *en route* to breeding or wintering habitat.

**4. CONDITION**

This site is in poor condition. All three of the woodlot remnants are very small and vulnerable to further disturbance. Disturbances present at this site include: past logging evidence and excessive noise from Highway 401. The small size of the remnants also results in disturbances related to increased edge effects such as increased light and temperature. Invasive plant species include Norway maple (*Acer platanoides*), garlic mustard, and common buckthorn. Twenty-eight introduced plant species are present at this site (representing 39.44% of the total number of species present). The native FQI is a low value of 21.35 and has increased from the previous value of 19.31. The native mean coefficient of 3.26<sup>1</sup> is a low value and has decreased from the previous value of 3.59. Surrounding land use is industrial.

**5. SIGNIFICANCE**

- 5 Credit Valley Conservation flora Species of Conservation Concern (Tier 1-3).
- 4 Credit Valley Conservation fauna Species of Conservation Concern (Tier 1-3), all are birds.
- Close proximity to natural areas MB2, MB3, and MB6.
- The sugar maple-black cherry forest is an uncommon vegetation community within the City.

**6. MANAGEMENT NEEDS**

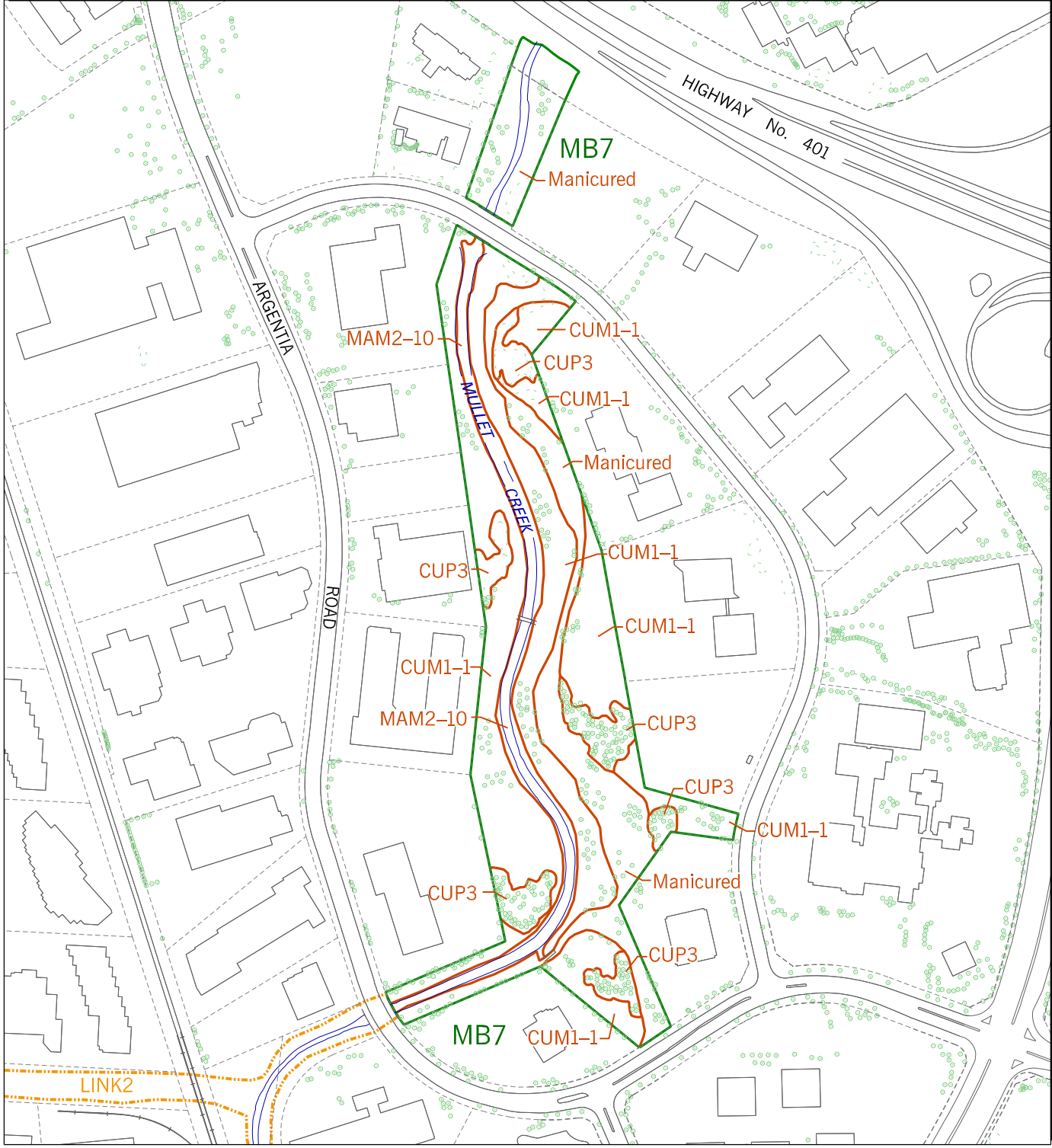
- The three components of this site will be difficult to sustain in the long term in a natural condition owing to the small size.

**7. PRINCIPLE REFERENCES**

City of Mississauga (1978)  
Project Planning Associates Limited (1980)

---

<sup>1</sup>Floristic quality is explained in the method section (2.3).



# City of Mississauga Natural Areas Survey (2010)



N.T.S.

**LEGEND:**

- Natural Areas
- Vegetation Communities
- - - Special Management Areas
- · · · · Linkage



MISSISSAUGA  
Planning and Building

Produced by T&W, GEOMATICS

# City of Mississauga Natural Areas Survey (2010)

## Natural Areas Fact Sheet

NATURAL AREA NAME	PLANNING DISTRICT	AREA (HA)	UTM GRID REFERENCE
MB7 (Mullet Creek)	Meadowvale Business Park	10.23	6011 48280

### 1. LOCATION

Along Mullet Creek from Argentia Road, west of Erin Mills Parkway, north to Highway 401. Throughout its length Mullet Creek links a number of natural areas including CE1, CE5, CE9, CE12, MB3, MB6, MB9, SV10, and SV12.

### 2. CLASSIFICATION

Natural Green Space

### 3. DESCRIPTION

#### A. Physical Features

This site is located in the Mullet Creek subwatershed. Mullet Creek is channelized in this area. Bedrock geology consists of the red shales of the Queenston Formation. These are overlain by up to 7.5 m of soils and glacial deposits consisting of well drained Oneida clay loam, imperfectly drained Chinguacousy clay loam, and a small deposit of poorly drained Jeddo clay loam near Derry Road, all formed within deposits of the Halton till plain.

#### B. Biota

There are 95 floral species and 18 faunal species documented for this site. Five vegetation communities comprise this site (see accompanying figure): open with manicured slopes valley lands (N), manicured (F), old field (C) [dry-fresh old field meadow type (CUM1-1)], plantation (T) [coniferous plantation ecosite (CUP3)], wet meadow (Y) [forb mineral meadow marsh type (MAM2-10)].

The old field/meadow covers the majority of the site. This community contains typical cultural meadow species including smooth brome (*Bromus inermis*), Canada goldenrod (*Solidago canadensis*), crown vetch (*Coronilla varia*), and wild carrot (*Daucus carota*). Many restoration plantings have been done within this meadow including: red oak (*Quercus rubra*), bur oak (*Q. macrocarpa*), and silver maple (*Acer saccharinum*). These trees are currently saplings; a few are slightly larger.

Portions of this natural area, around the path have been mowed. Some larger areas have been mowed to allow for picnic opportunities.

The plantations are located in small groupings throughout this natural area. The plantation is dominated by Austrian pine (*Pinus nigra*) in the canopy. There is no sub-canopy or understory. The ground layer consists of cultural meadow vegetation, as described above.

Mullet creek runs through this site is bound by gabion baskets, however, vegetation has established at the immediate edge of the channel, and some vegetation is growing out of the gabion baskets. Directly adjacent to the creek is a wet meadow. Predominant species include American bugleweed (*Lycopus uniflorus*), purple loosestrife (*Lythrum salicaria*), reed-canary grass (*Phalaris arundinacea*), and broad-leaved cattail (*Typha latifolia*).



## B. Biota (continued)

The open slopes at the north end of the natural area surround Mullet creek. The banks of the creek channel contain scattered willows (*Salix* spp.), immature red ash (*Fraxinus pennsylvanica*), Manitoba maple (*Acer negundo*), riverbank grape (*Vitis riparia*), deadly nightshade (*Solanum dulcamara*), jewelweed (*Impatiens capensis*), red-osier dogwood (*Cornus stolonifera*), and tartarian honeysuckle (*Lonicera tatarica*).

From the perspective of wildlife habitat, this site is relatively small and open. Most of the species noted were habitat generalists, highly adaptable species that nest in a wide variety of large and small forests, wetlands and cultural communities in southern Ontario. Red-winged blackbird, which was abundant on the site, was the only wetland-dependent species noted. Barn swallow was seen overhead but this species generally nests on human structures and no nesting habitat was seen within the natural area. During the spring and fall migration periods the diversity of birds may increase slightly as species utilize remnant natural areas as stopovers *en route* to breeding or wintering habitat. Mullet Creek is a type 2 fishery within this site.

## 4. CONDITION

This site is in poor condition. Disturbances include the channelization of Mullet Creek, the lack of woody vegetation along the creek, and a trail network. The slopes of the creek have been left to naturalize and are currently composed of old field species. Invasive plant species include purple loosestrife (*Lythrum salicaria*), common buckthorn (*Rhamnus cathartica*), and white mulberry (*Morus alba*). Forty-eight introduced plant species (representing 50.53% of the total number of species present) are present at this site. This is a very high number of non-native species. The native FQI and native mean coefficient are low values of 18.26 and 2.67<sup>1</sup>, respectively. Both have increased from previous values of 7.99 and 1.83. The surrounding land use is industrial.

## 5. SIGNIFICANCE

- 1 plant species, water smartweed (*Polygonum amphibium*), is considered uncommon within the City (known from 4 to 10 locations).
- 1 plant species, giant sunflower (*Helianthus giganteus*), is considered rare with the City (known from 1 to 3 locations).
- 8 Credit Valley Conservation flora Species of Conservation Concern (Tier 1-3).
- 3 Credit Valley Conservation fauna Species of Conservation Concern (Tier 1-3); all are birds.
- Contributes to the linkage function of Mullet Creek.
- Floodplain provides floodwater storage for Mullet Creek.

## 6. MANAGEMENT NEEDS

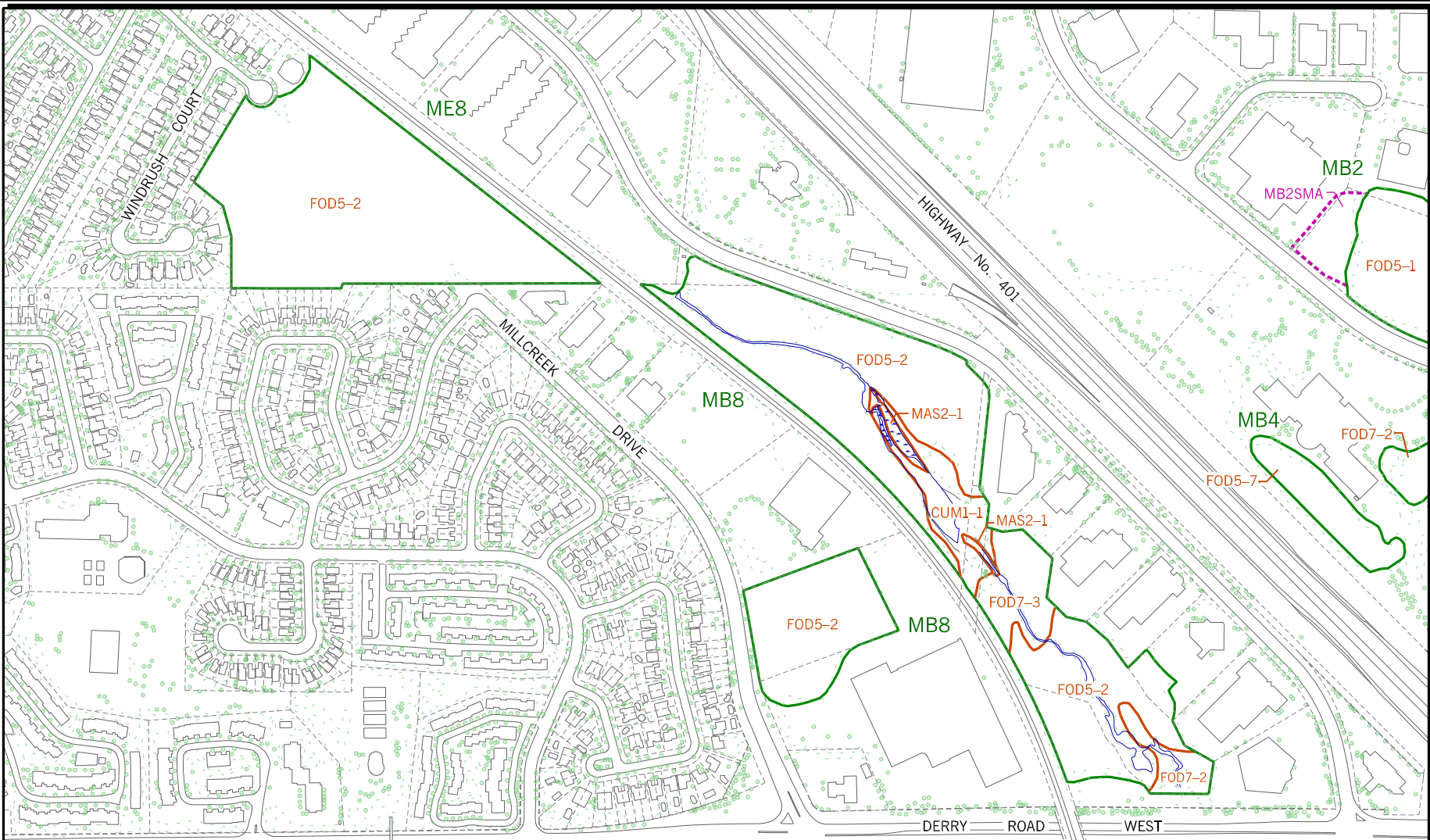
- The City Park, Mullet Creek, is included within this natural area.
- Riparian vegetation along Mullet Creek should be restored.
- Some trees which have been planted within this site are being girdled by the tree wraps that protected them when they were first planted. The tree wraps should be removed from these trees.
- The non-native species should be controlled at this site. Dog-strangling vine in particular should be eliminated through soil removal or herbicides. Before it becomes more widespread. This species can spread quickly to other areas and no effective control strategies are known for it.
- Additional research is required to document the flora and fauna species present at this site.

## 7. PRINCIPLE REFERENCES

None noted.

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<sup>1</sup>Floristic quality is explained in the method section (2.3).



# City of Mississauga Natural Areas Survey (2010)



N.T.S.

**LEGEND:**

- Natural Areas
- Vegetation Communities
- - - Special Management Areas
- · - · - Linkage



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# City of Mississauga Natural Areas Survey (2010)

## Natural Areas Fact Sheet

NATURAL AREA NAME	PLANNING DISTRICT	AREA (HA)	UTM GRID REFERENCE
ME8/MB8 (Windrush Woods)	Meadowvale/Meadowvale Business Park	15.65	5991 48277

### 1. LOCATION

North of Derry Road West between Highway 401 and Millcreek Drive. On both sides of the Canadian Pacific Railway line northwest along Mullet Creek to Windrush Court. Throughout its length Mullet Creek links a number of natural areas including CE1, CE5, CE9, CE12, MB3, MB6, MB7, MB9, SV10, and SV12. The natural areas MB3 and MB4 are located within 500 m north of Highway 401.

### 2. CLASSIFICATION

Significant Natural Site

### 3. DESCRIPTION

#### A. Physical Features

Mullet Creek is channelized through this site and a water quantity control structure is present. Topography is rolling within the forests, with steep slopes along Mullet Creek. Soil moisture is mesic throughout. Bedrock geology consists of the red shales of the Queenston Formation. These are overlain by up to 7.5 m of soils and glacial deposits consisting of well drained Oneida clay loam, imperfectly drained Chinguacousy clay loam, and a small deposit of poorly drained Jeddo clays near Derry Road, all formed within deposits of the Halton till plain.

#### B. Biota

There are 142 floral species and 30 faunal species documented for this site. Five vegetation communities are present at this site (see accompanying figure): open with open slopes valley land community (K) [dry-moist old field meadow type (CUM1-1)], sugar maple (*Acer saccharum* ssp. *saccharum*) - American beech (*Fagus grandifolia*) forest (DD) [dry-fresh sugar maple-beech deciduous forest type (FOD5-2)], red ash (*Fraxinus pennsylvanica*)-American elm (*Ulmus americana*) forest (BB) [fresh-moist ash lowland deciduous forest type (FOD7-2)], floodplain (B) [fresh-moist willow lowland deciduous forest type], open water marsh (W) [cattail mineral shallow marsh type (MAS2-1)].

The open with open slopes valley land community is located along the floodplain of Mullet Creek. It is dominated by old field species including Canada goldenrod (*Solidago canadensis*), reed canary grass (*Phalaris arundinacea*), wild carrot (*Daucus carota*), birdsfoot trefoil (*Lotus corniculata*), milkweed (*Asclepias syriaca*), and thistles (*Cirsium* spp.). Also usually present along the creek is riverbank grape (*Vitis riparia*), bittersweet nightshade (*Solanum dulcamara*), red-osier dogwood (*Cornus stolonifera*) and tartarian honeysuckle (*Lonicera tatarica*).

The sugar maple-American beech community is a mature forest with a closed canopy approximately 26 m in height. The canopy trees in the western section (Windrush Woods) are greater than 100 years old (according to FRI data). The trees are typically 30 cm in diameter but can reach 80 cm in diameter. Sugar maple, American beech, white ash (*F. americana*), and black cherry (*Prunus serotina*) dominate the canopy. Scattered white pines (*P. strobus*) are found throughout. The groundcover is diverse; however, the invasive exotic garlic mustard (*Alliaria petiolata*) is beginning to dominate in locations. Common understory species are sugar maple saplings, baneberry (*Actaea* spp.), Enchanter's nightshade (*Circaea lutetiana*), running strawberry-bush (*Euonymus obovata*), May-apple (*Podophyllum peltatum*), and Solomon's-seal (*Polygonatum pubescens*). There is good regeneration of the canopy dominants.

## B. Biota

The red ash-American elm forest is located at the southeast end of the natural area. This is a small lowland community located along Mullet creek. The understory is dense with common buckthorn (*Rhamnus cathartica*).

The floodplain community is dominated by hybrid willow (*Salix x rubens*) in the canopy. Young trembling aspen (*Populus tremuloides*) are present in the canopy and sub-canopy. The understory is dominated by a tangle of riverbank grape (*Vitis riparia*) and Virginia creeper (*Parthenocissus viticaea*). The ground layer primarily consists of coltsfoot (*Tussliago farfara*).

There are small pockets of shallow cattail marsh growing along the banks of Mullet creek. This community grows in areas where there is no canopy obstructing the sun. The predominant species in this community are broad-leaved cattail (*Typha latifolia*), purple loosestrife (*Lythrum salicaria*), and reed-canary grass (*Phalaris arundinacea*).

From the perspective of wildlife habitat the largest patch is linear, though relatively large, and other patches consist of small fragments. The noise of traffic from Highway 401 is extreme. There are 22 birds, 4 mammals, 2 amphibians and 2 reptiles documented at this site. All species were habitat-generalists, which nest in a diversity of small and large forests, wetlands and cultural habitats within southern Ontario, except red-eyed vireo, a species somewhat forest habitat-specific. During the spring and fall migration periods, the diversity of birds is expected to increase as species utilize remnant natural areas as stopovers *en route* to breeding or wintering habitat. Mullet Creek is classified as a type 2 fishery within this site.

## 4. CONDITION

This site is in fair condition. Disturbances are prevalent at this site including: garbage and litter throughout, dumping of grass clippings, an extensive unplanned trail network, trampling, extensive vandalism, noise from both the highway and the railway, erosion on steeper slopes, and windthrow. There is a high level of noise from traffic on Highway 401. Within Windrush Woods, in particular, unauthorized fires have been set in the recent past, and there is a very large mountain bike course at the north end of this forest. The soil is extremely compacted here and the area is devoid of vegetation. Mullet Creek has been channelized with concrete and gabion baskets. Invasive plant species include Norway maple (*Acer platanoides*), tartarian honeysuckle, European buckthorn and garlic mustard which are prevalent throughout the site. Forty-six introduced plant species are present at this site (representing 32.39% of the total number of species present). The native FQI of 36.03 is a medium value and an increase from 32.02 identified in 2006. The native mean coefficient of 3.68<sup>1</sup> which is a decrease from 3.86 in 2006, both of which are medium values. Surrounding land use is residential and industrial.

## 5. SIGNIFICANCE

- Butternut (*Juglans cinerea*) considered a “species at risk” within the province (COSSARO) and nationally (COSEWIC) was documented from this site 1995. Butternut was not observed in 2010.
- 3 plant species considered rare within the City (known from 3 or fewer locations): fragrant water-lily (*Nymphaea odorata*), marsh cinquefoil (*Potentilla palustris*), and water smartweed (*Polygonum amphibium*).
- 2 plant species considered uncommon within the City (known from 4 to 10 locations): partridge-berry (*Mitchella repens*) and spicebush (*Lindera benzoin*).
- 22 Credit Valley Conservation flora Species of Conservation Concern (Tier 1-3).
- 9 Credit Valley Conservation fauna Species of Conservation Concern (Tier 1-3), including 5 birds, 1 mammal, 2 amphibians, and 1 reptile.
- Large size (15.65 ha).
- Diversity of plant species (142 species).

## **6. MANAGEMENT NEEDS**

- The City parks, Windrush Woods and unnamed public land, are included within this natural area.
- Access to this site should be controlled.
- This site has some excellent natural features but is rapidly deteriorating owing to the large degree of impacts this site is exposed to from adjacent residential areas. Management to control these impacts is needed immediately.
- Windrush Woods has been severely degraded by the creation of mountain bike circuits. This area requires special management to discourage the creation and use of mountain bike circuits, as well as restoring the native vegetation.
- This park is a prime example of a natural area in need of community stewardship to prevent the loss of a valuable neighbourhood amenity.

## **7. PRINCIPLE REFERENCES**

City of Mississauga (1978)  
Ecoplans Limited (1989)

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<sup>1</sup>Floristic quality is explained in the method section (2.3).