



Finance, Budget and Enrolment Committee Agenda

FBEC:051A

Wednesday, May 13, 2020

4:30 p.m.

Committee Room A, 5050 Yonge Street

Trustee Members

Shelley Laskin (Chair), Michelle Aarts, Alexandra Lulka, Chris Moise, Zakir Patel, David Smith

Note: Please ensure all electronic devices are on silent mode.

Pages

1. Call to Order and Acknowledgement of Traditional Lands
2. Approval of the Agenda
3. Declarations of Possible Conflict of Interest
4. Delegations
To be presented
5. Contract Awards
 - 5.1 Contract Awards, Facilities [3888] 1
 - 5.2 Contract Awards, Operations [3887] 11
 - 5.3 Student Information System Project Plan and Selection Process [3875] 17
6. Budget Matters
 - 6.1 Update on Budget Timelines for the 2020-21 School Year [3890] 61
 - 6.2 Update of Financial Forecast for 2019-20 and Impacts of COVID-19 [3891] 65
 - 6.3 Transportation Update on Changes to Bell Times in 2020-21 [3884] 69
 - 6.4 Update on Davisville Junior Public School/Spectrum Alternative Senior School Geotechnical Investigation [3883] 89
7. Adjournment

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Contract Awards – Facilities Only

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: 05-20-3888

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs

Recommendation

It is recommended that:

1. the contract awards on Appendix A be received for information; and
2. the contract awards on Appendix C be approved.

Context

In accordance with the Board's Policy P.017 - Purchasing:

- The Director or designate may approve facility related contracts over \$50,000 and up to \$500,000 and report such contracts to Finance, Budget & Enrolment Committee;
- Finance, Budget & Enrolment Committee may approve facility related contracts in excess of \$500,000 and up to \$1,000,000; and
- The Board shall approve all facility related contracts over \$1,000,000. All contracts for Consulting Services in excess of \$50,000 must be approved by the Board;

The recommended suppliers and the term of each contract are shown in the attached appendices. Appendix A outlines contract awards provided for information; Appendix B outlines contracts requiring Finance, Budget & Enrolment Committee approval and Appendix C outlines contracts requiring Board approval. The amounts shown are based on the total value over the term of the contract unless indicated otherwise. Actual

amounts depend on the volume of products/services actually used during the term of the contract.

Contractors bidding on Board construction/maintenance projects must be pre-qualified. Consideration is given to bonding ability, financial stability, depth of experience, references, on-site safety record, and proof of union affiliation (applies to projects less than \$1.3M or additions less than 500 square feet). Issuing a market call to pre-qualify is periodically advertised in the Daily Commercial News and on electronic public bidding websites to facilitate broader public access.

When a Request for Tender is issued, the lowest cost bid is accepted where quality, functionality, safety, environmental and other requirements are met.

When a Request for Proposals is issued, a variety of evaluation criteria are used, including price. Each of those criteria is weighted based on relative importance to the Board. The bidder with the highest overall score is recommended for contract award.

Every effort is made to include input from the users in the development of specifications and the evaluation process.

Opportunities to bid on Tenders and Proposals are posted on the Bids & Tenders e-Tendering portal www.bidsandtenders.ca .

Copies of all bids received and detailed information regarding all recommended awards are available in the Purchasing Services department.

Action Plan and Associated Timeline

Not applicable.

Resource Implications

Funding sources have been identified for each award listed in the attached appendices.

Communications Considerations

Not applicable.

Board Policy and Procedure Reference(s)

PO:17 - Purchasing

Appendices

- Appendix A: Contract Awards Provided for Information

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- Appendix B: Contracts Requiring Finance, Budget & Enrolment Committee Approval – Nil Items this Report
- Appendix C: Contracts Requiring Board Approval
- Appendix D: Summary of Select Facilities Contracts

From

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Chris Ferris, Senior Manager – Administrative Services at 416-395-8036 or chris.ferris@tdsb.on.ca

#	User/Budget Holder School/Dept.	Products/Services Details	Ward	Recommended Supplier	Low Bid / Highest Score	Objections	No. of Bids Rec'd	Total Contract Amount	Projected Start/End Date of Contract	Customer Involvement	Funding Source
INTERIOR COMPONENTS / FASCIA / PAINTING											
-	Nil Items	-	-	-	-	-	-	-	-	-	-
OTHER											
2	Design Construction and Maintenance	VK20-318Q Supply of Metal Storage Containers for Purchase and Rental for Various TDSB Sites. To have a vendor of record for the supply of product.	N/A	Secure Container Solutions	Yes	No	1	\$203,875	June 1, 2020/ May 31, 2025	Design Construction and Maintenance	Renewal

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#	User/Budget Holder School/Dept.	Products/Services Details	Ward	Recommended Supplier	Low Bid / Highest Score	Object -ions	No. of Bids Rec'd	Total Contract Amount	Projected Start/End Date of Contract	Customer Involvement	Funding Source
OTHER											
-	Nil Items	-	-	-	-	-	-	-	-	-	-

Summary of Select Facilities Contracts
(September 1, 2019 to Present)

-	Project Classification	Total Number of Projects for this Report	Total Number of Projects 2019/20 to date	Total Expenditures for this Report	Total 2019/20 Contract Awards Reported to Date	Current Backlog
1	ROOFING - November 2013 Bulk Tendering for Roofing Supplies (4 separate tenders) and Roof Installations (1 consolidated tender)	15	99	\$ 1,015,635	\$ 9,513,438	\$96,863,677
2	MECHANICAL	1	128	\$ 384,100	\$ 46,767,901	\$1,392,378,295
3	STRUCTURAL / BRICK WORK	0	39		\$ 10,350,677	\$185,811,586
4	WINDOWS	0	25		\$ 18,036,629	\$80,695,191
5	ELECTRICAL	0	35		\$ 5,187,142	\$529,102,976
6	BARRIER FREE	1	9	\$ 2,495,312	\$ 5,923,722	
7	PARKING LOTS	0	6		\$ 1,464,344	\$92,314,489
8	FIELD RESTORATION	0	19		\$ 3,585,370	\$271,123,483
9	INTERIOR COMPONENTS / FASCIA / PAINTING	0	21		\$ 3,630,159	\$906,561,010
10	OTHER (FDK, EL4, and Compliance)	0	21		\$ 29,086,860	

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Contract Awards – Operations

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: 05-20-3887

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs

Recommendation

It is recommended that:

1. the contract awards on Appendix A be received for information; and
2. the contract awards on Appendix C be approved.

Context

In accordance with the Board's Policy P.017: Purchasing:

- The Director or designate may approve operations contracts over \$50,000 and up to \$175,000 and report such contracts to Finance, Budget and Enrolment Committee;
- Finance, Budget and Enrolment Committee may approve operations contracts in excess of \$175,000 and up to \$250,000; and
- The Board shall approve all operations contracts over \$250,000. All contracts for consulting services (as defined in the Broader Public Sector Procurement Directive) in excess of \$50,000 must be approved by the Board.

The recommended suppliers and the term of each contract are shown in the attached appendices. Appendix A outlines contract awards provided for information; Appendix B outlines contracts requiring Finance, Budget and Enrolment Committee approval, and Appendix C outlines contracts requiring Board approval. The amounts shown are based

on the estimated annual consumption unless indicated otherwise. Actual amounts depend on the volume of products/services actually used during the term of the contract.

Purchasing Services invited bids from a minimum of three firms except where sole/single source is indicated. Requirements expected to exceed \$100,000 were posted on the Bids & Tenders e-Tendering portal (www.bidsandtenders.ca), to advertise procurement opportunities in compliance with the Broader Public Sector Procurement Directive, applicable trades treaties (e.g. Canadian Free Trade Agreement, Comprehensive Economic and Trade Agreement, etc.) and Board policy and procedure.

When a Request for Tender is issued, the lowest cost bid is accepted where quality, functionality, safety, environmental and other requirements are met. When a Request for Proposals is issued, a variety of evaluation criteria are used, including price. Each of those criteria is weighted based on relative importance to the Board. The bidder with the highest overall score is recommended for contract award. Every effort is made to include input from end users in the development of specifications and the evaluation process. Copies of all bids received and detailed information regarding all recommended awards are available in the Purchasing Services department.

Action Plan and Associated Timeline

Not applicable.

Resource Implications

Funding sources have been identified for each award listed in the attached appendices.

Communications Considerations

Not applicable.

Board Policy and Procedure Reference(s)

PO:17 - Purchasing

Appendices

- Appendix A: Contract Awards Provided for Information
- Appendix B: Contracts Requiring Finance, Budget and Enrolment Committee Approval – Nil Items this Report
- Appendix C: Contracts Requiring Board Approval

From

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Chris Ferris, Senior Manager, Administrative Services, at chris.ferris@tdsb.on.ca or at 416-395-8036.

APPENDIX A

Contract Awards Provided for Information (contracts over \$50,000 and up to \$175,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	IT Services Mobile & Web Development	Provision of External IT Technical Support Services OECM RFP 2014-213 Extension of services of one Application Developer to provide development assistance with the Excursion Management Application, Outdoor Education Sites Application, and Human Development & Sexual Health (HDSH) Application	N/A	Infotek Consulting	Yes	No	3	\$56,938	May 2020/ August 2020	IT Services Mobile & Web Development

APPENDIX B

Contracts Requiring Finance, Budget and Enrolment Committee Approval
(contracts over \$175,000 and up to \$250,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
-	Nil Items	-	-	-	-	-	-	-	-	-

APPENDIX C

Contracts Requiring Board Approval (contracts over \$250,000 and Consulting Services over \$50,000)

#	User/Budget Holder School/Department	Products/Services Details	Ward	Recommended Supplier	Low Bid/ Highest Score	Objections	# of Bids Rec'd	Estimated Annual Amount	Projected Start/End Date of Contract	Customer Involvement
1	Child Care Services	Provision of AM/PM Snack for TDSB Extended Day Program LQ20-063P	N/A	1054204 Ontario Inc. (Wholesome Kids Catering)	Yes	No	4	\$250,000	June 2020/ May 2024	Child Care Services



Student Information System (SIS) Project Plan and Selection Process

To: Finance, Budget and Enrolment Committee

Date: 13 May 2020

Report No.: 05-20-3875

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs

Recommendation

It is recommended that the contract award to PowerSchool LLC for the provision of a new Student Information System (SIS) be approved.

Context

On April 22, 2020, the Board decided:

That the contract award for the provision of an SIS system with PowerSchool LLC presented in report 04-20-3865 be referred back to staff for a report to the Finance, Budget and Enrolment Committee in May 2020, with a more detailed description of the work to be done and to contain a project management plan, which will include clear timelines on updates to trustees on the status of the plan; and

That the Director present a detailed report to the Board outlining the rationale for the selection of PowerSchool LLC, among other products available.

Student Information System (SIS) Background

Following the amalgamation of the legacy school boards creating the Toronto District School Board in 1998, the Board was standardized on Trillium as the Student Information System (SIS) for the entire district. The Student Information System (SIS) is critical to the operation of the TDSB. It is used for the collection, recording, validation

and reporting of student registration, achievement and attendance data. The SIS supports the Ministry reporting process (ONSIS) that drives the operational funding TDSB receives from the Ministry.

The original vendor providing this system was SRB Education Solutions. In August 2016, SRB (and the Trillium product) was bought out by PowerSchool LLC, a well-established provider of SIS solutions in North America and around the world. PowerSchool has continued to maintain the Trillium platform for TDSB and other Ontario school boards ensuring compliance with Ministry of Education reporting requirements, but they have not done any product enhancement work. In July 2019 PowerSchool informed Ontario school boards of their intent to 'sunset' the Trillium product. PowerSchool provided an upgrade path for Ontario districts to migrate to the PowerSchool SIS platform. If districts decline the upgrade, PowerSchool will no longer provide support or further maintenance for Trillium after August 31, 2021. If that were to occur the Board would no longer receive system upgrades i.e. Ministry compliance updates.

Vendor Selection Process

The Ontario Education Collaborative Marketplace (OECM) is a sourcing partner for the Ontario Education sector and issued a Request for Proposals (RFP) in the summer of 2018 for the provision of a SIS system that could be used by any interested Ontario school boards. Following their evaluation of the bids received, they awarded an agreement to Fujitsu Consulting (Canada) Inc. in January 2019. Fujitsu Consulting (Canada) Inc. partnered with Follett Canada Inc. to provide the Aspen Student Information System – Ontario Based Configuration.

As the Ontario government's Centralized Procurement Initiative Interim Measures call for Broader Public Sector organizations to utilize "an existing and applicable Vendor of Record (VOR) arrangement, where possible and appropriate", TDSB staff embarked on a thorough due diligence review of the OECM VOR with Fujitsu Consulting (Canada) Inc. by conducting a thorough vendor overview session over the course of two days. While investigating the abilities of the Fujitsu offering, the PowerSchool SIS product was compared alongside it to determine the best solution for the TDSB. The agendas and information covered in these sessions is provided in Appendix A.

Coming out of these sessions it became apparent that there were some significant gaps between the two vendors with respect to experience, risk, and cost factors and what they can provide to the TDSB.

From an experience perspective, PowerSchool has experience in the province of Ontario with Ontario School Information System (ONSIS) compliance, Continuing Education, and Special Education for more than eight (8) years in fourteen (14) school boards. This is compared to Fujitsu's experience with ONSIS for less than six months at two Ontario school boards recently implemented, both with less than 10,000 students each. See Appendix H for a list of school boards. PowerSchool also has experience implementing approximately ten (10) school boards/districts of similar size and complexity to TDSB in North America. Their experience also includes four (4) migrations from Trillium to the current PowerSchool platform in Ontario.

From a risk perspective, working with PowerSchool minimizes risk in the following ways:

- They have been TDSB's SIS provider for the last several years (Trillium) and are very familiar with TDSB operations and special requirements (e.g. special education, continuing education) from a student information perspective;
- PowerSchool has proven ONSIS compliance for more than 500,000 students across fourteen school boards over the past eight years;
- Data migration will only involve a single vendor that has proven experience migrating from Trillium to the PowerSchool platform in four school boards in Ontario;
- PowerSchool's migration experience goes beyond Trillium to the PowerSchool platform, they have done migrations in hundreds of other school boards to their platform in recent years;
- A major component of school board funding is enrolment. A robust SIS system is essential to ensure accurate enrolment numbers are provided to the province, getting the Board the maximum amount of funding it is eligible for based on the existing funding model;
- The PowerSchool platform has robust integration to custom applications.

From a cost perspective, an "apples-to-apples" comparison was challenging as the PowerSchool platform offers additional functionality that the TDSB requires. Fujitsu did not have all of the functionality that we require given the complexity of our operation. Some PowerSchool modules are provided at no additional cost while some are offered with deep discounting applied. Several of these will replace the need for software that has run outside Trillium in the past – now it will be integrated.

The PowerSchool platform will be a vendor-hosted (or cloud) service meaning the new SIS software and database will not reside on TDSB owned and maintained servers at the 140 Borough Drive data centre, it will be maintained on vendor servers.

Transitioning from one very large and complex platform to another is a very significant undertaking, especially when that platform is mission-critical for maintaining student information and determining funding levels for the Board. SIS is used in every single school. The training requirement to ensure all our current users become well versed in

the use of the new system will be a huge undertaking. The migration of data from one platform to the other is a massive task, and maintaining data integrity during that migration will be essential. Our central staff that support and maintain our current SIS will need to learn and become proficient at operating and supporting the new platform and our school-based users of it.

A multi-year and phased project plan and implementation strategy addressing risks, human resource allocations and training will ensure that the impact to operations and students will be minimized throughout the transition. See the initial project implementation plan in Appendix B. A Project Steering Committee will be established with authority over the project for providing guidance and oversight of the project and serving as communication channel with Trustees and routine progress and budget reporting.

Action Plan and Associated Timeline

Implementation Strategy: Phase I – III Staggered Start

Phase I

- All K-8 schools will migrate to PowerSchool SIS in Phase I. School opening would occur in Trillium with the migration beginning in October 2021.
 - Secondary Alternative & Year Round Schools will be included in Phase I at the start of the 2021/22 school year.

Phase II

- All Secondary schools will migrate in Phase II at the start of the 2022 /23 year.

Phase III

- Special Education functions and processes will be migrated at the start of the 2023/24 school year. These include Individual Education Plan (IEP), Identification, Placement and Review Committee (IPRC), In-School Support Team (IST) and School Support Team (SST).
- All school information will be migrated to PowerSchool during implementation thereby minimizing the impact on school operations.

A detailed implementation plan is being finalized with TDSB and PowerSchool staff. An initial draft is provided in Appendix B.

The human resources required from both the PowerSchool team and the TDSB team has been mapped out and provided in Appendix C.

Training requirements are being assessed and developed and a draft plan is provided in Appendix D. PowerSchool live training is intended to provide “Train the Trainer” knowledge and redelivery skills for key TDSB stakeholders. The TDSB users will receive their training using the PowerSchool online PD+ training courses that includes self-paced and guided webinars.

A project steering committee will be assembled and a Project Charter finalized. The initial draft of the Charter is provided in Appendix E. The steering committee will meet bi-weekly through the first quarter (3 months) of the project, and monthly thereafter. Updates to the trustees through the Finance, Budget and Enrolment Committee will be provided monthly through the first quarter, and quarterly thereafter. Project updates will be a standing item on the Audit Committee agenda through the implementation phase.

A project organization chart that maps out the leadership team, the TDSB Project Team, the PowerSchool Project Team, and Stakeholder Working Group has been developed and is provided in Appendix F.

A RACI (Responsible, Accountable, Consulted, Informed) Chart has been assembled and provided in Appendix G.

Resource Implications

The enormity of the planning, implementation and training required in this transition creates a significant front end cost in the first several years. Staff worked with PowerSchool to defer payments of the significant cost of the first two years over four years. The table below shows the payment schedule over the twelve year term of the initial agreement.

Year 1 (current)	nil	Year 7	\$ 2,547,495
Year 2	\$ 3,806,717	Year 8	\$ 2,611,183
Year 3	\$ 3,806,717	Year 9	\$ 2,676,462
Year 4	\$ 3,806,717	Year 10	\$ 2,743,374

Year 5	\$ 3,806,717	Year 11	\$ 2,811,958
Year 6	\$ 2,485,361	Year 12	\$ 2,882,257
		Total:	\$ 33,984,958

Starting in the 2020-2021 year, licensing costs will start at \$2,095,481 with an annual 2.5% increase annually for the following 10 years.

One-time implementation fees (included in the table above) will total \$6,033,135.

The human resources internal costs associated with this project will amount to approximately \$2.55M.

By the end of Year 4 savings of approximately \$650,000 will be achieved through functionality that will be embedded in the PowerSchool product that currently is supported outside of the Trillium system. The external products can be retired and costs avoided following migration to PowerSchool. The annual cost avoidance thereafter will be approximately \$308,000.

Communications Considerations

Regular updates to the Finance, Budget and Enrolment Committee will occur monthly through the first quarter (3 months) of the project, and quarterly thereafter. Project updates will be a standing item on the Audit Committee agenda through the implementation phase.

Board Policy and Procedure Reference(s)

PO:17 – Purchasing Policy

Appendices

- Appendix A: Vendor Overview Session Details
- Appendix B: Implementation Plan
- Appendix C: Resource Plan
- Appendix D: Training Plan
- Appendix E: Project Steering Committee Charter
- Appendix F: Project Organization Chart
- Appendix G: RACI Chart
- Appendix H: Ontario Market Scan

From

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Student Information System Vendor Overview Session Agendas

(Both Vendors, 2 days each)

Day 1 – Session 1:

9:00am - 11:00am	11:00am - 12:00pm
<ul style="list-style-type: none"> ➤ Student Information System Landscape ➤ SaaS Model ➤ Active Directory, SAML ➤ Cyber Security Model ➤ Disaster Recovery ➤ Operational Data Store ➤ Privacy and Retention Policy ➤ AODA ➤ G Suite Integration 	<ul style="list-style-type: none"> ➤ User Security ➤ Interfaces/API's <ul style="list-style-type: none"> ○ SAP/HR ○ MY Blueprint ○ Insignia (Library) ○ Brightspace/D2L ○ School Messenger ○ SchoolCash ○ Gradebook, etc. ○ Transportation (Bus Planner) ➤ Plug Ins, Toolkit ➤ Support Model ➤ Board Collaboration/User Group

TDSB Staff Participants:

<ul style="list-style-type: none"> ➤ Senior Managers, ITS ➤ Manager, Business Analytics ➤ Manager, Enterprise Administration ➤ Manager, Application Administration ➤ Manager, Cyber Security and Risk Management ➤ Manager, Client Service Desk ➤ Senior Coordinator SIS ➤ Coordination Technology Integration 	<ul style="list-style-type: none"> ➤ Senior Analyst, System Security ➤ Senior Analyst, Database Services ➤ Senior Analyst, Technology Architecture ➤ Senior Analyst, System Services ➤ Business Analyst, Business Analytics (2) ➤ Business System Analyst, Business Analytics ➤ Business Intelligence Database Specialist, Business Analytics ➤ SIS Team Leads (3)
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- **Day 1 – Session 2:**

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-
-

1:00pm - 4:00pm

Elementary Workflow

- School Setup (School year, calendar)
- Registration (Online and in person)
- Class Management
- Enrolment
- Attendance
- Elementary Achievement Setup
- Assessment
- Report Cards
- Teacher/Parent/Student Engagement (Mobile)
- EQAO
- Reporting, Dashboard and Analytics

TDSB Staff Participants:

- Senior Manager, Information Management
- Senior Manager, Client Relationship Management
- Manager, Business Analytics
- Senior Coordinator SIS
- Business Analyst, Business Analytics (2)
- Business System Analyst, Business Analytics
- SIS Team Leads (3)
- Central Coordinating Principal, Teaching and Learning
- Education Planning Coordinator
- Elementary Principals (3 schools – one from each school with the following grades: JK-8, JK-5, 6-8)
- Elementary Office Administrators (3 schools – one from each school with the following grades: JK-8, JK-5, 6-8)
- Elementary Teachers (3 schools – one from each school with the following grades: JK-8, JK-5, 6-8)

Day 2 - Session 1

9:00am - 12:00pm

Secondary Workflow

- School Setup (School year, calendar)
- Master Schedule Setup
- Registration (Online and in person)
- Course Request Selection
- Scheduling Students
- Enrolment
- Timetable changes
- Specialized Program(SHSM)
- Dual Credits
- SAL
- Attendance
- Secondary Achievement Setup
- Assessment/Markbook/Gradebook
- Report Cards
- EQAO
- Transcript and Awards
- Teacher/Parent/Student Engagement (Mobile)
- Exam Scheduling
- Reporting

TDSB Staff Participants:

- Senior Manager, Information Management
- Senior Manager, Client Relationship Management
- Manager, Business Analytics
- Senior Coordinator SIS
- Business Analyst, Business Analytics (2)
- SIS Team Leads (3)
- Central Coordinating Principal, Teaching and Learning
- Education Planning Coordinator
- Secondary Principals (3 schools –Semestered, Full Year and Quad)
- Secondary Office Administrators (3 schools – Semestered, Full Year and Quad)
- Secondary Teachers (3 schools – Semestered, Full Year and Quad)
- Centrally Assigned Principal, Academic Pathways, Guidance

Day 2 – Session 2:

1:00pm - 4:00pm

- Special Education
- Continuing Education
- E-Learning
- Suspensions and Expulsions
- Section 23
- Co-op
- Teaching and Learning
 - Taking Stock
- ON SIS
- OUAC/OCAS
- OEN
- Online Forms
- Board Central Reporting
- Dashboard and Analytics

TDSB Staff Participants:

- Senior Manager, Information Management
- Senior Manager, Client Relationship Management
- Manager, Business Analytics
- Senior Coordinator SIS
- Business Analyst, Business Analytics
- Business Analyst, Business Analytics
- Senior Business Analyst
- SIS Team Leads (3)
- Education Planning Coordinator
- Centrally Assigned Principal, e-Learning Program
- Centrally Assigned Principal, Continuing Education
- Centrally Assigned Principal, Special Education (4)
- Centrally Assigned Principal, Safe Schools (4)
- Centrally Assigned Principal, Section 23
- Centrally Assigned Principal, Student Success

Student Information System Vendor Overview Session “Look Fors”

Day 1 - Session 1, 9:00am – 11:00am

- Software as a Service (SaaS) model - architecture/system availability/maintenance schedule (software updates)/roles and responsibilities
- Database environments (including training) - on premise/cloud
- Performance monitoring capabilities - web/apps/database servers
- LDAP/Azure SSO capabilities/Sync with AD, SAML
- Ability to manage application/user security via active directory
- Multi-factor authentication
- Auditing capabilities - user sessions, tables, etc.
- Disaster recovery
- Responsive web design (i.e. screen to resize depending on the device)
- Browser support
- MFIPPA and PHIPA legislation compliance
- Cyber security policy in affect
- Forms and screens external facing comply with confidentiality regulations
- TDSB data encrypted in place and in transit
- AODA - minimum of WCAG 2.0 compliant
- Operational Data Store (ODS) - synchronization process
- GSuite Integration
- Integration with:
 - Desire 2 Learn
 - MyBluePrint
 - KEV School Cash Online
 - School Messenger

Day 1 - Session 1, 11:00am – 12:00pm

User Security
System Role Creation, tasks, activities, roles (view only & update)
Ability to grant security at the tab, field and menu level
Ability to Simulate user
Ability for certain staff types (i.e. principal) to see their old and new schools cross school years
Ability to use combination of AD and local SMS security if more granular permissions are required (i.e. RCA - teacher and elementary report card administrator), piloting functionality
Does the SMS restrict access based on "least privileged access"
Ability to manage security centrally (not managed by a preference)
Ability to suspend or end access for specific accounts and reason

School Level Security
Ability to override staff assignments (i.e.. Start date, end date)
Ability to manage Staff Instructional Time
Does your solution integrate with an HR system
Ability to extend the school staff security before and after the school year
Does the solution support multiple profiles for an individual user
Ability to manually add school/board staff
Interfaces/API's
Are API's available to extract data to external vendors (i.e. Insignia, BusPlanner, etc.)
Are API's available to write back data from external vendors (i.e. SchoolMessenger, etc.)
Toolkit
Provide Users with a start (launch) screen with intuitive navigation to the various modules, based on their access rights
Support Model
Is there an Service Level Agreement available
Ability to generate usage reports/performance metrics
Ability to notify boards of upcoming changes
Ability for boards to provide input implementation timeline
Ability for board to plan maintenance releases on a school year basis
Is support available outside non business hours
Ability for users to access support material (i.e. Videos, webinars, QRC's, FAQ's , manuals, knowledge articles, etc.)
Board Collaboration
Does a user group exist, technical user group
Ability for boards to collaborate (forum) on users on enhancements and service requests
Ability for boards to collaborate on focus groups
Ability for boards to participate in priority setting
Ability for boards to share data base scripts, reports

Day 1 - Session 2, 11:00am – 12:00pm

School Setup
Ability for boards to setup school year, event and calendar centrally

Ability to setup for schools to set up multiple tracks, semesters, terms and timelines, etc.

Ability to copy all setup information for a school from the current year to the next year, with selected attributes

Does the solution allow central staff to modify start and end dates (ie. Semester and term) once in use

Registration General

Allow ability to create Custom Fields

System searches for possible matches by Legal Surname, Date of Birth and Gender when adding a new student and displays the matches.

Ability to transfer and share students to other TDSB schools

Ability to indicate parent/guardian access granularity (ie. Pickup, legal access)

Does the solution allow for contacts to indicate preferred mode of communication (ie. attendance - phone, school announcements - email, etc.)

Designate one sibling within a school as the family contact for lists and mailings

Can the solution maintain multiple address and phone types, with start and end dates.

Ability to specify multiple student alerts and comments (ie. medical, custody, etc.)

Does the solution allow for the linking of siblings in a school

Does the solution allow for tracking for French instruction and minutes

Does the solution allow for ESL tracking

Ability to flag student as sheltered

Does the solution support Specialized programs

Ability to collect early year experiences information

Does the solution include the collection of CASL

Online Registration

Does online registration exist? Can it also be used to update existing students information

Does the solution respect address boundaries

Does the solution support optional attendance

Does the solution include the same edits as if done manually

Is address validation in place

Can workflow be customized

Can the workflow and messaging be customized to parents

Can the OA validate prior to migrating

Does the ability for API integration from board developed registration system exist

Can tool support registration cross years.

Enrolment

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Ability to view enrolment history of student once they are registered

Allow schools that student s registered in to view demographic information

Automatically assign a unique system identifier (Student Number) to a new student that is different than the Ministry assigned OEN

Allow a student to be admitted and enrolled concurrently in multiple schools (shared if in 2 days schools) or a day school and a Con Ed school

Ability to track changes to student register changes (ie. full time to part time)

Ability to track changes to funding (ie. application for permanent residence, permanent residence)

Ability to modify arrival date

Provide a clear visual indicator when a student is admitted or enrolled in multiple schools including a mechanism to easily access the names of those schools.

Ability to register a student with a future enrolment date

Ability to register a student with a future departure date

Distinguish between pre-reg, active and inactive students

Identify the school of record. Only one school can be the school of record

Ability to copy students and programs from one year to another

Ability to share and transfer one or multiple students to another school or schools

Group Maintenance

Ability to create customized groups

Ability to associate group to teacher(s) or classes

Ability to copy groups from current year to future year

Ability to enable or disable groups

Attendance

Ability to record attendance on the web (Teacher and Administration)

Ability to generate scan sheets and scan

Ability to record attendance by student, class, group or school

Maintain attendance codes as per the Ministry and allow for custom updates

Functionality to sign students in and out, manually and through admit slip printer functionality

Ability to activate students from pre-reg to Active status

Ability to record attendance period and daily attendance

Ability to generate alerts as related to absence based on board defined by Board Operational Procedures

Allow for occasional/substitute teachers able to record attendance

Attendance reports by student and teacher

Report to identify what classes have not had attendance recorded by day and period

Elementary Master Schedule/Scheduling
Ability for individual schools to set up and build master schedules
Allow for class durations to vary (single blocks, multiple)
Provide a school calendar with cycle days, holidays, exam days, etc.
Clearly differentiate between blocks and periods (e.g. block a, period 1)
Ability to copy Master Schedule from year to year
Ability to create scheduling parameters based on user security
Ability to assign constraints to the master schedule
Ability to run Simulation runs by Master schedule. Need to be able to save as different versions.
Ability to run simulation runs for student timetables by school, grade, group
Report that is run during simulation to identify by course and section how many students were scheduled and how many could not be scheduled
Ability to add classes manually as required
Visualization component to the conflict matrix, when creating a master schedule
Ability to schedule students by individual or by group
View a student's timetable and identify unscheduled course requests
Ability to generate and/or print teacher timetables
Ability to generate and/or print student timetables
Ability to schedule pre reg and active students into courses and homerooms.
Ability to manually place Elementary students into classes
Elementary Achievement
Ability to define Report Periods - Start Dates, End Dates, Mark Entry End Date
Ability to Subjects - Subject, Teacher, Grade
Ability to define second teachers
Ability to print/share draft Report Cards for Admin Comments or review
Ability to define Report Card Layout based on dates per mark period
Ability to lock/unlock courses and marking periods at school level
Ability to generate Report cards by school, grade, class, etc.
Ability to import marks from other systems (e.g. grade books, learning management systems)
Ability for fast entry method for entering marks
Ability to view the IEP during the report card cycle
Ability to generate an alternative report card for students
Ability to identify students with missing marks (ie. Verification report)

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Ability to proof-read a report card and make changes online at teacher and school level

Ability to generate report cards for students who transfer beyond the six week OSR rules window

Ability to add accommodations and modifications to a report card

Ability to perform report card verification to check the marks and comments prior to the report card distribution

Ability to produce a report card for a student who is inactive

Ability to include multiple teacher names on a report card including student teachers.

Ability to set up of Board level comment banks for teachers to choose from when populating report cards including the ability for groups of teachers to share comments.

Ability to categorize comments in all comment banks.

Ability to edit comments from a comment bank once added to a report card.

Allow for comment banks to be retained over multiple school years.

Ability to find and replace edited comments;

Utilize context sensitive words in comments (e.g. he/she, legal name, usual name);

Spell checking in comment banks and boxes, using Canadian English

Classroom Management, Engagement and Assessment

Ability for teachers to group students, based on different criteria (learning styles, work habits)

Ability for teachers to plan lessons and create different assignment types

Teachers can distribute, collect and mark assignments electronically

Teachers can define/adjust a weighting to assignments/marks

Teachers can enter comments on assessments, and save comments to a comment bank

Teachers can define the method(s) of calculating grades

Teachers can override a calculated final grade using professional judgment

Teachers can enter an explanation to show students/parents how the mark is calculated

Teachers may attach documents to class assignments or student assessments

Teachers may copy/carry over categories, assignments, etc. from one class to another, across semesters or school years

Teachers may share created assignments with other teachers

Teachers can view all current and historical marks/attendance for their own students

Teachers can communicate with Parents (email or portal), and keep history of all previous communications

Teachers can enter anecdotal information on their students

School Administrators/Guidance/Student Success can view all marks/attendance/assignments for the whole school

School Administrators/Guidance/Student Success can quickly see all students who are under performing – use a different colour for failing/passing marks

School Administrators/Guidance/Student Success can add anecdotal information to a student file but not change marks

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Alerts can be set to help teachers/School Administrators/Guidance/Student Success to monitor student achievement

Teachers can define which assessments can be published (i.e. viewed by other teachers/administrators/parents/students)

Teachers can define how assessments are displayed to students/parents – e.g. marks but not weightings

The system must allow Teachers/Administrators to do basic data analysis and reporting (including graphical representation of the data)

Mobile Student Lookup

Look up student records, including photograph, and timetable, attendance to determine where a student should be at a specific time

Parent Engagement

Ability to access on both IOS and android devices

Unique individual logins will be assigned through the portal for the appropriate parent(s)/guardian(s), students and teachers

Ability for parent(s)/guardian(s) with custody to access one or all of their children (multiple schools) in the portal without logging in more than once

Ability for Parent(s)/guardian(s) to view student's Timetable.

Parent(s)/guardian(s) are only able to access their child(rens) information

Parent(s)/guardian(s) are securely able to view students marks/grades, transcript, credit accumulation, and community Service Hours

Ability for parent(s)/guardian(s) to securely view assessment and report card results

Able to view their child(rens) period attendance.

Capability for parent/guardian to receive feedback from teachers.

Display School Events/calendar and extra-curricular activities.

Ability to book parent/teacher interviews

Ability to volunteer for committees, special events and trips through the portal.

Ability for parent/guardians to reset their passwords

Student Engagement

Ability for students to view their current and future timetable. Access to timetables based on timelines determined by school Administration.

Students are able to view their class calendar, school calendar, and assignments

Students are securely able to view their marks/grades, transcript and community Service Hours

Students are securely able to view their marks/grades, transcript and community Service Hours

Ability for students to securely view Community Service Hours, assessment results

Display School Events/calendar and extra-curricular activities.

Class information for students is automatically updated in the portal to match the Student Information System.

Able to view their attendance on a class by class basis.

Visual notification appears when updates have been made.

Students are able to use the Online Planner.
Ability for students to book online Guidance Counsellor appointments
Staff Engagement
Capability for teachers to provide progress and feedback to parents.
Teachers will only have access to their students. Administration will be able to see whole school.
Ability for administration to give access to classes (i.e. Team teaching, Centrally assigned staff work with the students but are not the Primary Teacher).
Teachers have the ability to post assignment and test due dates on calendar.
Ability to view student attendance
Options to allow teacher to indicate if they are accepting messages from parents.
EQAO
Produce data extracts for the appropriate student population to meet the EQAO requirements for a given assessment
Automatically map SIS data into data format and type as specified by the Student Data Collection (SDC) system provided by EQAO. Include accommodations identified in the IEP as part of the upload to EQAO
Import and store individual student EQAO Ontario Secondary School Literacy Test (OSSLT) results
Import and store individual student EQAO Grade 3, 6 and 9 assessment results

Day 2 - Session 1, 9:00am – 12:00pm

School Setup
Ability for boards to setup school year, event and calendar centrally
Ability to setup for schools to set up multiple tracks, semesters, terms and timelines, etc.
Ability to copy all setup information for a school from the current year to the next year, with selected attributes
Does the solution allow central staff to modify start and end dates (ie. Semester and term) once in use
Registration General
Allow ability to create Custom Fields
System searches for possible matches by Legal Surname, Date of Birth and Gender when adding a new student and displays the matches.
Ability to transfer and share students to other TDSB schools
Ability to indicate parent/guardian access granularity (ie. Pickup, legal access)
Does the solution allow for contacts to indicate preferred mode of communication (ie. attendance - phone, school announcements - email, etc.)
Designate one sibling within a school as the family contact for lists and mailings
Can the solution maintain multiple address and phone types, with start and end dates.

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Ability to specify multiple student alerts and comments (ie. medical, custody, etc.)

Does the solution allow for the linking of siblings in a school

Does the solution allow for tracking for French instruction and minutes

Does the solution allow for ESL tracking

Ability to flag student as sheltered

Does the solution support Specialized programs

Ability to collect early year experiences information

Does the solution include the collection of CASL

Online Registration

Does online registration exist? Can it also be used to update existing students information

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Allow a student to be admitted and enrolled concurrently in multiple schools (shared if in 2 days schools) or a day school and a Con Ed school

Ability to track changes to student register changes (ie. full time to part time)

Ability to track changes to funding (i.e. application for permanent residence, permanent residence)

Ability to modify arrival date

Provide a clear visual indicator when a student is admitted or enrolled in multiple schools including a mechanism to easily access the names of those schools.

Ability to register a student with a future enrolment date

Ability to register a student with a future departure date

Distinguish between pre-reg, active and inactive students

Agenda Page 37

Identify the school of record. Only one school can be the school of record

Ability to copy students and programs from one year to another

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Group Maintenance

Ability to create customized groups

Ability to associate group to teacher(s) or classes

Ability to copy groups from current year to future year

Ability to enable or disable groups

Attendance

Ability to record attendance on the web (Teacher and Administration)

Ability to generate scan sheets and scan

Ability to record attendance by student, class, group or school

Maintain attendance codes as per the Ministry and allow for custom updates

Functionality to sign students in and out, manually and through admit slip printer functionality

Ability to activate students from pre-reg to Active status

Ability to record attendance period and daily attendance

Ability to generate alerts as related to absence based on board defined by Board Operational Procedures

Allow for occasional/substitute teachers able to record attendance

Attendance reports by student and teacher

Report to identify what classes have not had attendance recorded by day and period

Secondary Master Schedule

Ability for individual schools to set up and build master schedules

Contains a full list of the course catalogue offered by school year (past and present), with start and end dates

Ability to maintain list of courses provided by the Ministry for dual credit, locally developed and Ministry defined course codes, SHSM

Allow for class durations to vary (single blocks, multiple)

Provide a school calendar with cycle days, holidays, exam days, etc. that the school schedule will run off of

Clearly differentiate between blocks and periods (e.g. block a, period 1)

Ability to copy Master Schedule from year to year

Ability to create combined classes

Ability to create scheduling parameters based on user security

Display message when loading student in a class and the class is full

Ability to specify if course has a prerequisite

Ability to assign constraints to the master schedule
Manually assign a teacher to a specific classroom
Ability to run Simulation runs by Master schedule. Need to be able to save as different versions.
Ability to run simulation runs for student timetables by school, grade, group
Report that is run during simulation to identify by course and section how many students were scheduled and how many could not be scheduled
Report course/class conflicts
Visualization component to the conflict matrix, when creating a master schedule
Ability to create placeholders to tieback Ministry courses
Secondary Student Scheduling
Ability to schedule students by individual or by group
Schedule and simulate by section, grade or group
Ability to change class size based on user security
View a student's timetable and identify unscheduled course requests
Ability to generate and/or print teacher timetables
Ability to generate and/or print student timetables
Ability to create a timetable for a trial student
Ability to schedule pre reg and active students into courses and homerooms.
Time stamp and User stamp when courses have been scheduled and rescheduled
Course Requests/Selections
Give Boards the ability to list the elective and mandatory courses
Allow for a student to select courses either on-line or via paper form from a school course listing
Allow for Boards to open and close the course selection process by date or manually
List and review all courses that a student has selected for a school
Indicate that review of a student's course selections has been completed
Mass assign or un-assign students to a course or courses by grouping.
Assign students to a course individually.
Allow for a fast entry method for the office to enter student course selections
SIS should have the ability to obtain student requested courses (options) from third party systems.
Elementary Achievement
Ability to define Report Periods - Start Dates, End Dates, Mark Entry End Date
Ability to Subjects - Subject, Teacher, Grade
Ability to define second teachers

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Ability to print/share draft Report Cards for Admin Comments or review
Ability to define Report Card Layout based on dates per mark period
Ability to lock/unlock courses and marking periods at school level
Ability to generate Report cards by school, grade, class, etc.
Ability to import marks from other systems (e.g. grade books, learning management systems)
Ability for fast entry method for entering marks
Ability to view the IEP during the report card cycle
Ability to generate an alternative report card for students
Ability to identify students with missing marks (ie. Verification report)
Ability to proof-read a report card and make changes online at teacher and school level
Ability to generate report cards for students who transfer beyond the six week OSR rules window
Ability to add accommodations and modifications to a report card
Ability to perform report card verification to check the marks and comments prior to the report card distribution
Ability to produce a report card for a student who is inactive
Ability to include multiple teacher names on a report card including student teachers.
Ability to set up of Board level comment banks for teachers to choose from when populating report cards including the ability for groups of teachers to share comments.
Ability to categorize comments in all comment banks.
Ability to edit comments from a comment bank once added to a report card.
Allow for comment banks to be retained over multiple school years.
Ability to find and replace edited comments;
Utilize context sensitive words in comments (e.g. he/she, legal name, usual name);
Spell checking in comment banks and boxes, using Canadian English
Awards/Transcripts
Capabilities to record retain, and report information on the diploma/certificate completion granted to a student including completion dates and diploma/certificate type. Ability to perform verification for students on meeting ministry aware requirements and the ability to assign a diploma or certificate type to a student, individually or on mass
Ability to view and generate transcript report
Ability to archive transcript data
Ability to record external course information for credit (e.g. Ballet and Royal conservatory of Music Courses)
Indicate if a mark was achieved through rewriting, equivalency, external or challenge
Verify if students on a SHSM pathway are meeting the requirements
Perform graduation diploma verification when a student is attending multiple schools simultaneously and allow each school to do the graduation diploma verification

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Perform current and projected (future) graduation verifications
Print and calculate historical diploma requirements (e.g. Ontario Secondary School Diploma (OSSD) 1989, Ontario School Intermediate and Senior (OS:IS) 1984 blue book, Secondary School Graduation Diploma (SSGD), Secondary School Honour Graduation Diploma (SSHGD))
Ability to exchange SIS data (such as transcript) between boards
Provide information on whether or not students have met, or will meet, all graduation requirements based on applicable graduation rules.
Classroom Management, Engagement and Assessment
Ability for teachers to group students, based on different criteria (learning styles, work habits)
Ability for teachers to plan lessons and create different assignment types
Teachers can distribute, collect and mark assignments electronically
Teachers can define/adjust a weighting to assignments/marks
Teachers can enter comments on assessments, and save comments to a comment bank
Teachers can define the method(s) of calculating grades
Teachers can override a calculated final grade using professional judgment
Teachers can enter an explanation to show students/parents how the mark is calculated
Teachers may attach documents to class assignments or student assessments
Teachers may copy/carry over categories, assignments, etc. from one class to another, across semesters or school years
Teachers may share created assignments with other teachers
Teachers can view all current and historical marks/attendance for their own students
Teachers can communicate with Parents (email or portal), and keep history of all previous communications
Teachers can enter anecdotal information on their students
School Administrators/Guidance/Student Success can view all marks/attendance/assignments for the whole school
School Administrators/Guidance/Student Success can quickly see all students who are under performing – use a different colour for failing/passing marks
School Administrators/Guidance/Student Success can add anecdotal information to a student file but not change marks
Alerts can be set to help teachers/School Administrators/Guidance/Student Success to monitor student achievement
Teachers can define which assessments can be published (i.e. viewed by other teachers/administrators/parents/students)
Teachers can define how assessments are displayed to students/parents – e.g. marks but not weightings
The system must allow Teachers/Administrators to do basic data analysis and reporting (including graphical representation of the data)
Ability for teachers to provide recommendations on which courses to take
Mobile Student Lookup
Look up student records, including photograph, and timetable, attendance to determine where a student should be at a specific time

Parent Engagement
Ability to access on both IOS and android devices
Unique individual logins will be assigned through the portal for the appropriate parent(s)/guardian(s), students and teachers
Ability for parent(s)/guardian(s) with custody to access one or all of their children (multiple schools) in the portal without logging in more than once
Ability for Parent(s)/guardian(s) to view student's Timetable.
Parent(s)/guardian(s) are only able to access their child(rens) information
Parent(s)/guardian(s)s are securely able to view students marks/grades, transcript, credit accumulation, and community Service Hours
Ability for parent(s)/guardian(s) to securely view assessment and report card results
Able to view their child(rens) period attendance.
Capability for parent/guardian to receive feedback from teachers.
Display School Events/calendar and extra-curricular activities.
Ability to book parent/teacher interviews
Ability to volunteer for committees, special events and trips through the portal.
Ability for parent/guardians to reset their passwords
Student Engagement
Ability for students to view their current and future timetable. Access to timetables based on timelines determined by school Administration.
Students are able to view their class calendar, school calendar, and assignments
Students are securely able to view their marks/grades, transcript and community Service Hours
Students are securely able to view their marks/grades, transcript and community Service Hours
Ability for students to securely view Community Service Hours, assessment results
Display School Events/calendar and extra-curricular activities.
Class information for students is automatically updated in the portal to match the Student Information System.
Able to view their attendance on a class by class basis.
Visual notification appears when updates have been made.
Students are able to use the Online Planner.
Ability for students to book online Guidance Counsellor appointments
Staff Engagement
Capability for teachers to provide progress and feedback to parents.
Teachers will only have access to their students. Administration will be able to see whole school.
Ability for administration to give access to classes (i.e. Team teaching, Centrally assigned staff work with the students but are not the Primary Teacher).

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Teachers have the ability to post assignment and test due dates on calendar.
Ability to view student attendance
Options to allow teacher to indicate if they are accepting messages from parents.
OCAS/OUAC
Ability to generate extract for OCAS/OUAC data transmission(s), for both destinations or single destination
Import and store individual student EQAO Ontario Secondary School Literacy Test (OSSLT) results
Provide provisions to automatically incorporate individual student OSSLT results as part of the graduation requirements.

Day 2 - Session 2, 1:00pm – 4:00pm

Special Education
Ability to custom workflow for creating IEP's and IPRC
Ability to manage exceptionality, placement and programs
Ability to generate reconciliation reports
Ability to record multiple exceptionalities identifying which is the main exceptionality
Data validation between placement and program levels. i.e. Fully Self-contained cannot have a Resource Placement
Ability to track the IEP flag by start/end dates
Exceptionality, Placement & Program have Start and End Dates
Ability to enter or complete an IEP after student is demitted
Ability for Program to track Program Level & Location
Continuing Education
School setup to include school calendar, timelines, programs, course catalogue, Master Schedule, and teacher/instructors
Setup Continuing Education courses (i.e. Course delivery type, start and end dates of program, start and end times of class and days of the week for each class)
Continuing Education scheduling to be the same as regular day school scheduling with the addition of Con Ed required fields (i.e. Register Type, Days of the Week, Hours)
Ability for parents and students to complete registration online
Ability for student to register in both a ConEd and Day school, at the same time
Ability for parents/students pick courses/sessions from a catalogue
Ability for parents/students pay registration fee through online payment
Ability for Guidance Counsellors to approve a student's selection in a ConEd course

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Complete tasks similar to Day schools – enrolment, attendance, achievement including report cards
Record PLAR and Personal Learning Environment (PLE's);
Ability to mark students as Mature
Record lessons marked and teacher Contact
Supports OnSIS submission processes
Generate Ministry Enrolment Registers for Correspondence/Self Study/e-Learning Courses
Extract data in EFIS format with calculations
Generate Independent Study and e-Learning Register for Day School Pupils
Produce a Ministry Compliant Continuing Education registers
Ability to support Credit (night, summer, e-Learning), non-credit (IILE, Literacy Numeracy), Focus on Youth, and Adult programs
Care and Treatment
Ability to assign a designated school and CTCC BSID
Ability to assign CTCC BSID when registering
Ability to create a school that does not have a Ministry BSID
Ability to register short and long term student
Abilities the same as Day school (scheduling, achievement, attendance)
Suspension & Incident
Ability to record Incident (in-school, suspension & expulsion)
Ability to generate Incident Reports
Ability to maintain / customize list of infractions
Ability to generate reports for ONSIS reporting
Ability to generate suspension/expulsion letters from a template customized by Board
ONSIS
Ability to import Ministry Reference Files
Ability to report the elemental data collection for all submissions (Day school, Con Ed, CTCC, Suspensions)
Ability to manage the error/warning control at board level
Ability to generate and view XML (readable format)
Ability to generate report by OnSIS error and panel
Ability to produce Ministry Section reports
Ability to lock schools once data is error free in a submission. Unlock if need to resubmit
OEN

Ability to generate upload file for mass OEN assignment
Ability to import newly assigned OENs to SMS
Ability to produce validation error result files by school
Online Forms
Ability for parents to complete online form
Ability for board to create and publish an online form
Ability for board to view the submission stats
Ability for board to establish a custom workflow
Ability for forms to be available by school, teacher (by homeroom), central
Ability to seamlessly view the online form submissions within the student information system
Ability for schools to filter the online form content, i.e. media consent for all students only
Ability to publish an online form to select group based on grade as an example, DH form
Data Validation
Validation upon entry of provincially required fields i.e. postal code format
Cross validation of related fields i.e. OSSD earned, retirement reason code must = OSSD
Board control over ability to back-date ie timetable
Board ability to create validation rules within the SMS i.e. 6th character/course type
Allow for rules for commonly used fields (e.g. phone numbers, dates, address, email address) and allow for Boards to assign data validation rules at the time of data entry for custom fields (e.g. only numeric values in certain fields, only dates in a specified format in fields)
Ability to designate or software to designate mandatory all fields required for provincial reporting, so any user editing a screen shall not be able to save without providing an input in the mandatory fields (e.g. if a student is born outside of Canada, date of entry in Canada field, cannot be blank)
Reporting
Ability to create customized report in SIS in addition to the built-in reports out of the box
Ability to manage customized reports list and security control within SIS
Ability to deliver reports in various format (PDF, Excel, CSV, Word, TIFF)
Ability to generate reports in real time or queue
Ability to customizable header and footer for each report
Ability to Sort/group report data on multiple fields based on user input
Ability for central board IT staff to generate reports using SQL queries
Ability to provide an email notification once queued report completes, with link to view the report (with login)
Ability to allow individual users to create a list of "favourites" reports;

Ability for board to integrate their own custom reports

Dashboard and Analytics

Ability to provide a summary of data validation issues by school, learning network, learning centre, board

Ability to create graphical (charts) report

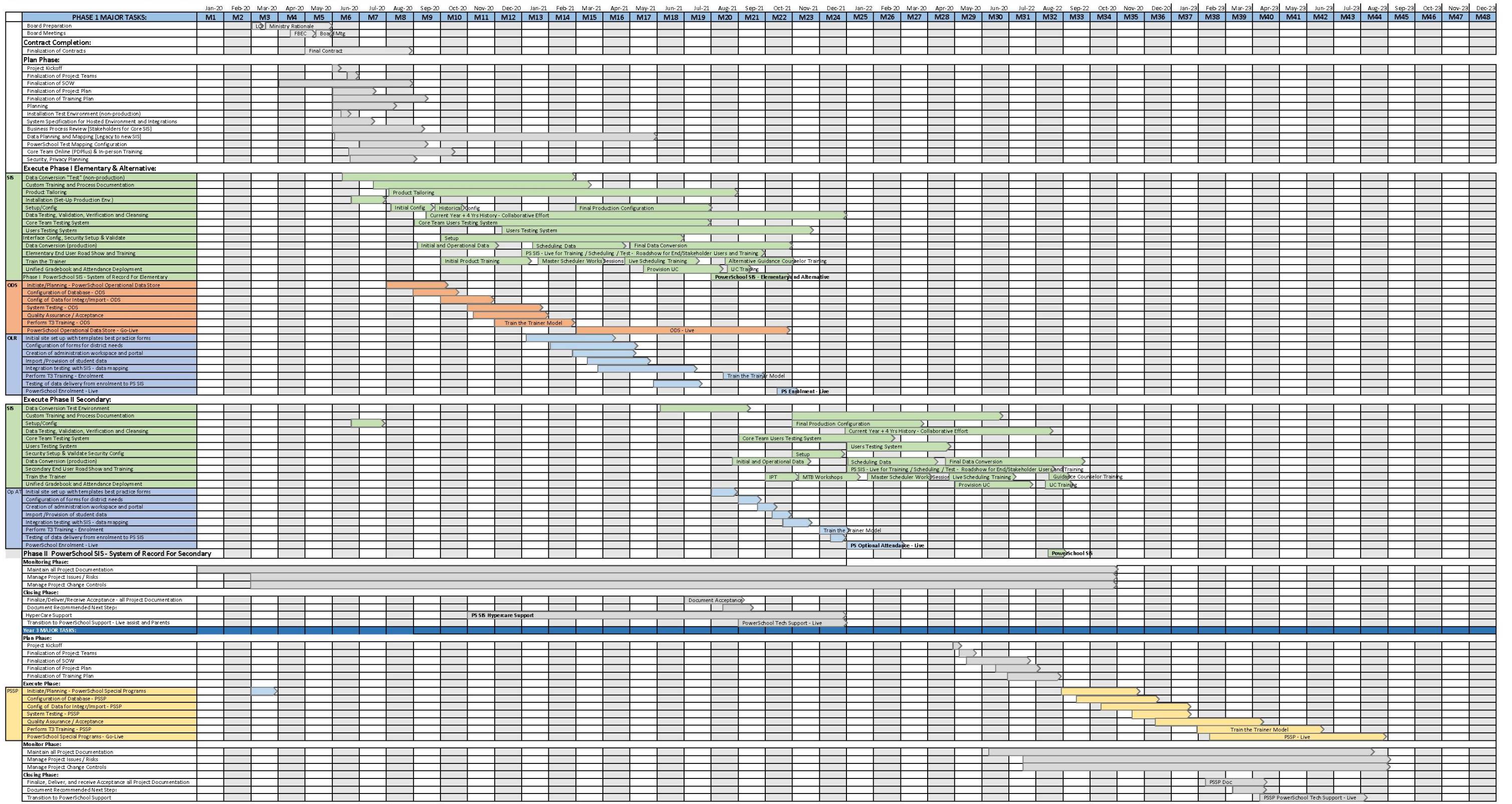
Ability to create interactive reports (drill-through)

Ability to define and display KPIs

Ability to slice and dice data visually

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Toronto District School Board, Toronto, Ontario, Canada - PowerSchool Implementation Plan



Toronto District School Board, Toronto, Ontario, CAN - PowerSchool Training Plan

Product	Course Name	Participants	Course Detail	Session Detail	Total Days
SIS	Initial Product Training (IPT) Certification	Up to 20 District IT Staff	5 days	5 d X 2 Session	10
SIS	Initial Product Training	Up to 1200 District Staff	3 days	3 d X 60 Sessions	180
SIS	Reporting Certification	Up to 20 District IT Staff	4 Days	4 d X 2 Sessions	8
SIS	Report Training (Enterprise Reporting & Object Report)	Up to 1200 District Staff	3 days	3 d X 60 Sessions	180
SIS	PowerScheduler Certification	Up to 20 District IT Staff	10 days	10 d X 2 Sessions	20
SIS	PowerScheduler Prep to Build	Up to 1100 Scheduling Staff	3 days	3 d X 55 Sessions	165
SIS	PowerScheduler Build Workshop	Up to 1100 Scheduling Staff	4 days	4 d X 55 Sessions	220
SIS	Elementary Scheduling	Up to 1000 Scheduling Staff	1/2 Day	1/2 d X 24 Sessions	12
SIS	Customization Training	Up to 20 District IT Staff	5 Days	5 d X 1 Session	5
Enrollment	Basic Enrollment Training	Up to 40 District Training Staff	1 day	1 d X 2 Sessions	2
ODS	Extensive Operational Data Store	Up to 20 District Staff	5 days	5 d X 1 Session	5
ODS	Operational Data Store System Provisioning	Up to 20 District IT Staff	2 days	2 d X 1 Session	2
ODS	Operational Data Store Advance Reporting Training	Up to 20 District Staff	5 days	5 d X 1 Session	5
ODS	Initial Operational Data Store Training	Up to 20 District Training Staff	1 day	1 d X 1 Session	1

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PSSP	Extensive Special Programs	Up to 20 District Training Staff	3 days	3 d X 2 Sessions	6
PSSP	System Provisioning	Up to 20 District IT Staff & Training Staff	2 days	2 d X 2 Sessions	4
PSSP	Advance Reporting Training	Up to 20 District Training Staff	1 day	1 d X 2 Sessions	2
PSSP	Initial Special Programs Training	Up to 1900 District Staff (Self Paced & Remote)	1/2 day	1/2 d X 96 Sessions	48

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SIS Student Information System
 ODS Operational Data Store
 PSSP Power School Special Program

Trillium SIS to PowerSchool SIS Project

Steering Committee Charter (Draft)



NEW SIS PROJECT - STEERING COMMITTEE (DRAFT)

PURPOSE

The Trillium SIS to Power School SIS project is an atypical TDSB project due to its size of budget, timeframe and the breadth of its scope coupled by the paramount importance of the Student Information System to the day-to-day operations of the Board. It is as large as any project the TDSB has undertaken and as such warrants the attention and support of a Steering Committee comprised of senior leadership at the Board.

MANDATE

The Steering Committee will remain in place until the project has completed. It has governance and authority over the project and its mandate is to see the project through to its successful completion and provide strategic vision and guidance through all phases from planning to execution, business process changes and ultimately the implementation of the new Student Information System.

Key responsibilities of the committee include undertaking major decision making, approving project changes, addressing major issues and concerns brought forth by the project team and ensuring the necessary organizational alignment and personnel are in place across the Board to support the project.

MEETING PROCEEDINGS

It is the duty of the committee to meet regularly to address project matters. For the first three months of the project the committee will meet bi-weekly and thereafter upon committee approval moved to a monthly schedule.

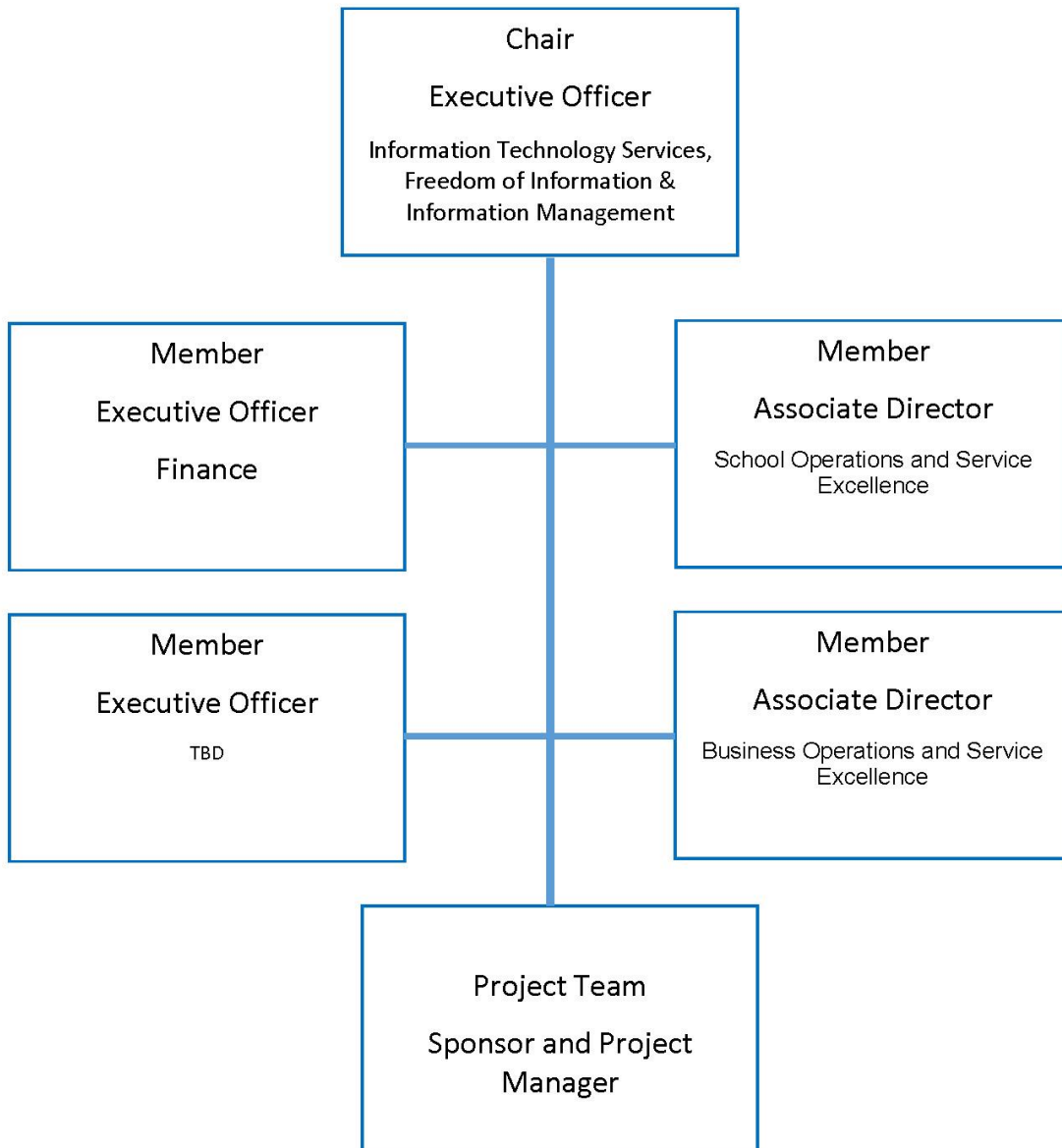
The committee will provide its own governance by voting in a Chair Person who will oversee the committee meetings, set the meeting agendas, address motions and assign activities to committee members.

Agenda items can be requested to the Chair by any Committee Members and the agendas will be reviewed with the project sponsor and shared with members prior to meeting. The Committee will receive regular Project Status Updates including budget reporting, Risks & Issues reporting. Meeting minutes containing decisions and actions will be kept in a project folder and tracked at committee meetings.

Meeting location will be in-person and made available online for those attending remotely.

MEMBERSHIP

*Members TBD – this is for illustrative purposes only



NEW SIS PROJECT - STEERING COMMITTEE (DRAFT)

<i>Name</i>	<i>Title</i>	<i>Department</i>
	Executive Officer	ITS, FOI, IM
	Associate Director	School Operations and Service Excellence
	Associate Director	Business Operations and Service Excellence
	Executive Officer	Finance
TBD	E.g. Associate Director	
TBD	E.g. Executive Officer	

CHANGE CONTROL

This charter is subject to standard change control processes. Updates to the charter will be proposed, reviewed and agreed to by the Steering Committee Members.

AUTHORIZATION

Signed by: _____
TBD Committee Member

Signed by: _____
TBD Committee Member

Signed by: _____
TBD Committee Member

Signed by: _____
TBD Committee Member

Trillium SIS to PowerSchool SIS Project Organization Chart

Project Leadership Team	Project Steering Committee	
	Executive Sponsor	<p><u>Stakeholder Working Group</u> Superintendent Rep (2) Secondary P/VP (4) Secondary Teachers/Guidance (4) Secondary OA (4) Elementary P/VP (4) Elementary Teachers (4) Elementary OA (4) Centrally Assigned School Operations (2) Centrally Assigned Student Success (2) Centrally Assigned Academic Pathways (1) Learning Centre Coaches (4) Staffing Information Officer (1) Systems Planning Officer (1) Educational Planning (1) Early Years (1) Continuing Education (4) Student Engagement & Experiential Learning (1) Parent Engagement (1) Special Education (2) e-Learning (1) French Department (1) ESL (1) Section23 (1) Safe Schools (1) Client Services Department (1) Central Transcript Office (1) Communications (1)</p>
	Project Sponsor	
<p><u>Project Team</u> Project Manager Technical Project Lead SIS Coordinator (1) Business Analyst (4) Business Intelligence Specialists (2) Business Intelligence Database Specialist (1) SIS Team Lead (2) SIS Support Specialists (6)</p> <p><u>PowerSchool Team</u> PowerSchool Senior PM Strategic Education Impact Consultant PowerSchool SIS Configuration Specialist (6) PowerSchool SIS Training Coordinator PowerSchool PODS Specialist PowerSchool PODS Data Specialist PowerSchool Additional IMP Specialist/data conversion effort PowerSchool PODS Training Lead PowerSchool Enrollment Configuration Specialist PowerSchool Enrollment Training Coordinator</p>		

Ontario Market Scan – PowerSchool and Fujitsu (Aspen)

* Existing PowerSchool

- Toronto DSB
- York DSB
- Hamilton-Wentworth DSB*
- Durham DSB*
- Ottawa Catholic DSB*
- Upper Canada DSB*
- Durham Catholic DSB*
- Trillium Lakelands DSB*
- Simcoe County DSB*
- Simcoe Muskoka CDSB*
- London Catholic DSB*
- Brant Haldimand Norfolk CDSB*
- Wellington CDSB*
- Kinooamaadziwin Education Body*
- Group of Private Schools*

Halton Catholic DSB

Dufferin Peel Catholic DSB

Grand Erie DSB*

Near North DSB

Thunder Bay CDSB

Lakehead DSB

Northwest CDSB

Rainy River DSB

Keewatin Patricia DSB

Superior North CDSB

Superior Greenstone DSB

Seven Generations DSB

Fujitsu (Aspen)

Nipissing –Parry Sound Catholic
DSB

Renfrew County DSB

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Update on Budget Timelines for the 2020-21 School Year

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: 05-20-3890

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs

Recommendation

It is recommended that Update on Budget Timelines for the 2020-21 School Year be approved.

Context

The Grant for Student Needs (GSN) is the primary source of funding for school boards. At this time the TDSB has not received any information on the release date of the GSN and the associate technical documents. Therefore staff have revised the budget timelines to allow for a later release of the GSNs.

In order to not have to keep revising the schedule on a weekly basis, staff have taken the approach of revising the schedule every two weeks until more information is provided by the Ministry. The revised schedule based on a two week delay is outlined below:

Date	Milestone
13 May 2020 Regular FBEC	<ul style="list-style-type: none"> • Report updating financial position of board in 2019-20 and impacts of COVID 19
19-22 May 2020	<ul style="list-style-type: none"> • Anticipated release of Ministry GSN funding memo and related information, possibly the PPF (formerly EPOs)
25 May 2020 Special FBEC	<ul style="list-style-type: none"> • Summary report of the major components of the announcement • Update on community consultation plan – virtual town halls on budget • Presentation of transitional supports for students and staff for school re-opening
4 June 2020	<ul style="list-style-type: none"> • Anticipated Ministry release of detailed technical documents required to determine Board's financial position

18 June 2020 Special FBEC	<ul style="list-style-type: none"> • Draft projected financial position of Board • Presentation of draft capital budget for 2020-21 • Discussion of options to balance
23 & 25 June 2020	<ul style="list-style-type: none"> • Virtual town halls where staff would present the planned Operating budget and answer questions. • Should the restrictions on public gatherings be lifted these meetings would be in-person presentations.
7 July 2020 Special FBEC	<ul style="list-style-type: none"> • Final budget and options to balance presented and approved
9 July 2020 Special Board	<ul style="list-style-type: none"> • Board approval of 2020-21 Operating and Capital Budgets

Unfortunately due to the late release of the GSN, the only available opportunity for public information sessions will be in late June. Staff realize this is not an ideal situation, but feel it is important to provide an opportunity to inform our stakeholders.

Prior to the latest delays the Ministry informed school boards if they needed could submit budgets after the June 30th deadline as long as they notified the Ministry in advance.

Action Plan and Associated Timeline

Revised Schedule will be posted on Board budget website once approved.

Staff will provide updates as more information is provided by the Ministry. Should the GSN be released earlier and allow of completion of the budget process by June 30th timelines will be adjusted and communicated.

Resource Implications

School boards are required to pass and submit to the Ministry of Education a balanced budget.

Communications Considerations

Contact Government, Public and Community Relations Department (Communications Officer for your area/department) to determine communication needs and support required. Communications plan to be drafted in consultation with Communications Officer, if required.

Board Policy and Procedure Reference(s)

N/A

Appendices

N/A

From

Craig Snider, Executive Officer, Finance at craig.snider@tdsb.on.ca or at 416-395-8469.

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Update of Financial Forecast for 2019-20 and Impacts of COVID-19

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: 05-20-3891

Strategic Directions

- Transform Student Learning
- Create a Culture for Student and Staff Well-Being
- Provide Equity of Access to Learning Opportunities for All Students
- Allocate Human and Financial Resources Strategically to Support Student Needs
- Build Strong Relationships and Partnerships Within School Communities to Support Student Learning and Well-Being

Recommendation

It is recommended that the Update of Financial Forecast for 2019-20 and Impacts of COVID-19 be received.

Context

This report provides an update to trustees on the financial impacts of COVID-19 on TDSB's budget. In particular, the report outlines the impact of the extension of the announced closure to May 31st and provide forecasts should the shutdown extend to the balance of the school year. This report also provides initial information about new details and considerations being reviewed by staff for developing the 2020-21 budget as a result of COVID-19.

On April 20, 2020 the staff presented the second quarter report for the 2019-20 year. Appendix A provides a copy of the financial projection presented in the report. The projected operating deficit was reported as \$28.2M offset by working funds and leaving a small working fund balance of \$1.1M at year end.

Since that forecast the Ministry has announced the extension of school closure to May 31st. As a result staff have revised the forecasted financial position of the Board based on three scenarios as outlined below:

- School closure until May 31st.
- School closure until June 30th
- System closure until August 31st.

The chart below provides the projected financial position of the Board under each scenario, using the best information available. Included in each scenario is both the in-year financial position of the Board as well as the projected balance of the Working Fund at the end of the year.

Forecasted Financial Position Scenarios
(millions)

Item	2nd Quarter Report	Closure to May 31	Closure to June 30	Closure to August 31st	Comments
Second Quarter Operating Deficit	(31.2)	(31.2)	(31.2)	(31.2)	Prior to COVID 19 expenses
COVID 19 Impacts					
Distribution Centre	(0.4)	(0.4)	(0.4)	(0.4)	Less distribution of materials during shutdown
Facilities revenue reduction	(2.6)	(4.7)	(6.3)	(11.5)	Including permit, park and rec revenue, Non Operating site revenue child care revenue etc.
Utility Savings	3.0	4.6	5.8	9.0	Utility savings due to closure
Facilities Operating Savings	3.6	5.8	6.9	9.7	Including savings on O/T, maintenance material, and other operating expense
Cafeteria Services	(0.4)	(0.8)	(1.2)	(1.2)	Cafeteria revenue loss due to school closure
Transportation Savings	1.1	2.2	3.3	3.3	Savings as a result of fuel costs not being paid
Technology purchases/leases	(1.3)	(5.3)	(5.3)	(5.3)	Purchase of Chromebooks, lease of Ipads and assorted costs
Daily Supply Cost		7.5	12.5	14.5	Reduced replacement staff due to shutdown
EDP and EarlyON funding		(1.3)	(1.8)	(1.8)	Loss of fee and service revenues
Net impact of COVID 19 on operations	3.0	7.6	13.5	16.3	
Net Operating deficit	(28.2)	(23.6)	(17.7)	(14.9)	
Working Funds - Beginning Balance	29.3	29.3	29.3	29.3	
Working Fund - Ending Balance	1.1	5.7	11.6	14.4	

Note: Amounts shown in May, June and August are cumulative amounts

Staff will continue to monitor and update the forecasts as additional information becomes available.

Considerations for 2020-21 Budget

Although the Grants for Student Needs (GSN) have not yet been released, staff continue to work on developing the 2020-21 budget using known and anticipated information, including the consideration of pressures related to COVID-19. Some of the items staff are considering are:

- Impact of collective agreements
- Transitional supports for students and staff when school re-opens to ensure student achievement and well-being of both staff and students
- Operational requirements post COVID 19 such as caretaking, student supervision, and transportation

More details regarding any proposed budget adjustments related to the areas above will be provided as part of the 2020-21 budget report.

Action Plan and Associated Timeline

Provide updates to financial forecast as additional information becomes available.

Resource Implications

N/A

Communications Considerations

This report will be posted on the Board budget website.

Board Policy and Procedure Reference(s)

N/A

Appendices

- Appendix A: Second Quarter Forecast

From

Carlene Jackson Associate Director Business Operations and Service Excellence at carlene.jackson@tdsb.on.ca or 416-397-3188

Craig Snider Executive Officer Finance at craig.snider@tdsb.on.ca or at 416-395-8469

Sabrina Wang Assistant Comptroller Financial Reporting & Budget at sabrina.wang@tdsb.on.ca or at 416-395- 3562

2019-20 projected Financial Position and Working Fund Balance as of Feb 28th (\$ Millions)			
Type	Description	Budget	Comments
		\$	
Budgeted In-Year Operating Result - Surplus/(Deficit)		(27.4)	1st Quarter projected operating deficit
Grant Changes			
	Prior year Spec Ed Table amount reduction	(0.5)	TDSB portion of Ministry adjustment of High needs amount based on 18-19 actual at provincial level
Labour Expenses			
	Central severance cost	(1.1)	Severance cost not budgeted
	Staffing variances	0.2	Administration and Facilities department variances
Operating Revenues and Expenses			
	International student revenue reduction	(1.4)	International student revenue is lower than anticipated
	Interest Income	(2.5)	Interest income expected to be lower due to Feds cuts the overnight rate
	Utilities Savings	1.5	Due to favourable pricing on natural gas
	Subtotal Operations	(3.8)	
Revised Operating Deficit prior to COVID 19		(31.2)	
Covid-19 impact			
(up to April)	Distribution center business interruption	(0.4)	Less chargeable distribution work
	Facility revenue reduction (Mar-April)	(2.6)	Including permit, park and rec revenue, Non Operating site revenue child care revenue etc.
	Utility savings (March-April)	3.0	Utility savings due to closure
	Facility operating savings due to school closure	3.6	Including savings on O/T, maintenance material, and other operating expense
	Nutrition services net loss	(0.4)	Nutrition services not loss due to school closure
	Transportation cost savings	1.1	Estimated savings from transportation contract up to April
	Other known cost pressure due to Covid-19	(1.3)	Mainly Ipad lease cost for students
	Subtotal	\$ 3.0	
Variances to Budget total		(0.8)	
Actual in - Year Operating Result		(28.2)	
Prior Year Working Fund Balance		29.3	
Working Fund Balance as at Aug 31 2020		1.1	
Note: there are still 9.2M in year savings build in the projection.			



Transportation Update on Changes to Bell Times in 2020-21

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: 05-20-3884

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs
- Build Strong Relationships and Partnerships Within School Communities to Support Student Learning and Well-Being

Recommendation

It is recommended that the Transportation Update on Changes to Bell Times in 2020-21 be received.

Context

When the Board passed its 2019-20 operating budget, it included a two year implementation plan to balance the Board's budget. The plan included budget changes for 2019-20, as well as planned reductions for the 2020-21 school year.

Phase Two of planned changes for the 2020-2021 budget year included adjusting bell times to improve route efficiency, thus saving the Board \$2.5M annually. This report provides an update on how schools, parents/guardians and staff were notified, provides some feedback and adjustments since first proposed and outlines the final plan for implementation

Background

Currently, the TDSB spends approximately \$67.2M on student transportation and receives \$63.7M in funding from the Ministry of Education (based on 2019-2020 figures). This results in an annual operating deficit for Transportation of approximately \$3.5M.

In addition to the financial impetus for this change, several other factors were considered:

- *Driver shortages* – centralizing bell times allows us to plan routes more efficiently. An analysis conducted by our software vendor estimated that approximately 55-60 buses will be taken off the roads by more efficiently planning routes. This will minimize the impact of driver shortages by reducing the number of drivers needed across the system by approximately 55-60 drivers/routes. This will be of particular importance coming out of the pandemic and returning to school as buses have not been on the road since March 13 and there will likely be additional retirements and there has not been an opportunity to train new drivers. Some drivers may also not be able to return to work due to pre-existing conditions or age; factors that could leave them vulnerable to COVID-19.
- *Limit Service Disruption* – By altering bell times, the Board will ensure that all students who are currently eligible for Student Transportation will remain eligible.
- *Environmental impact* – Every bus on the road emits approximately 50 metric tonnes of carbon dioxide per year. By removing 55 buses off the roads, over 2,750 metric tonnes of carbon dioxide will be reduced.

In the analysis of this plan provided by our software vendor, Georef, the following parameters were put on the changes:

1. Bell times would be in the following ranges:
 - a. Morning bell times would be between 8:15 and 9:15 a.m.
 - b. Afternoon bell times would be between 2:45 and 3:45 p.m.
2. No change in bell times would be greater than 30 minutes
3. Only full size (big bus) vehicles that were configured to carry 70-72 students or 41 students were included.

Action Plan and Associated Timeline

The Board began informing parents/guardians, schools and communities of the bell time changes in February to provide at least 6 months' notice so that families could make any necessary adjustments to their schedule.

In order to implement the changes to bell times, staff planned to conduct 4 in person information sessions throughout the City of Toronto. As a result of the province-wide closure of schools, these in person sessions were reduced to 2; one at David and Mary Thompson School and one at Earl Haig Secondary School. In addition, two live webcasts were held (one during the day and one in the evening). The approximate attendance at each session is outlined below:

Information Session	Date	Approximate Attendance
Earl Haig SS	March 9, 2020	Approximately 15 people attended.
David and Mary Thomson	March 12, 2020	10 people attended.
Facilitated Web Chat # 1	March 26, 2020 (morning)	At its peak, 90 people were registered in the session.
Facilitated Web Chat # 2	March 26, 2020 (evening)	At its peak, 55 people were registered in the session.

In addition to the information sessions, meetings or calls were also held with:

- Trustees (through the Committee of the Whole on January 29)
- Superintendents
- Principals
- Early Years Senior Staff (Feb 13)
- PIAC (February 18, 2020)
- SEAC (March 2, 2020)

The website was also updated in mid-February to include the list of impacted schools (finalized list in Appendix A) and a Q and A document on Frequently Asked Questions (See Appendix B). People were also invited to email belltimes@tdsb.on.ca and approximately 150 such emails were received.

The changes impacted 145 schools initially. This was reduced to 128 as there were some schools where the bell time was changing for an elementary school but not a correlating impact on the middle school. What this meant for many families was that an older sibling would be unable to walk a younger sibling. Further, two schools were removed from the list as they no longer had any student transportation going forward.

Through the information sessions, emails and phone calls, some parents indicated that they prefer the new times while others have indicated that it would provide challenges for their work schedule, child care or other concerns. Each issue was addressed through the updating of the Q and A documents as well as individually responding to parents/guardians and offering to assist by writing a letter for employers as well as encouraging them to look at local solutions such as coordinated walking groups.

Resource Implications

The bell time changes will result in a budget savings of \$2.5M as outlined in the 2019-20 budget plan. There may be some modest one-time increase in costs for the month of September as impacted schools have been offered an increase to 30 minutes of supervision for the month of September to assist in the transition. The one-time costs will be approximately \$50,000 to \$100,000 depending on the number of schools requesting this.

Communications Considerations

By now, all impacted families have received letters of the changes and had an opportunity to ask questions. We will continue to work closely with Communications and ensure that the bell times' email is closely monitored, emails are responded to, and that the website maintains the updated bell times and Q and A documents. The Toronto Student Transportation Group (TSTG) website will also maintain this information.

Board Policy and Procedure Reference(s)

- i. PO20 – Transportation of Students
- ii. PR504 – Transportation of Students

Appendices

- Appendix A: Bell Time final list of changes for 128 schools
- Appendix B: Frequently Asked Questions

From

Craig Snider, Executive Officer, Finance at craig.snider@tdsb.on.ca or at 416-395-8469.

Garry Green, Senior Manager, Community, Business and Student Transportation Services at garry.green@tdsb.on.ca or at 416-397-3883.

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 Toronto District School Board School Start and End Times
 Effective September 2020

Appendix A			Current		Revised	
School	LOI	WARD	AM Bell	PM Bell	AM Bell	PM Bell
Albion Heights JMS	0.68411	1	8:30 AM	3:00 PM	8:15 AM	2:45 PM
Beaumonde Heights JMS	0.61952	1	8:45 AM	3:00 PM	9:15 AM	3:30 PM
Claireville JS	0.74254	1	8:55 AM	3:15 PM	9:00 AM	3:20 PM
Elmlea JS	0.83003	1	8:30 AM	2:55 PM	9:00 AM	3:25 PM
John D Parker JS	0.62653	1	9:00 AM	3:30 PM	9:00 AM	3:30 PM
Melody Village JS	0.69054	1	8:45 AM	3:15 PM	8:15 AM	2:45 PM
Rivercrest JS	0.55044	1	8:30 AM	3:00 PM	8:15 AM	2:45 PM
Briarcrest JS	0.45703	2	8:30 AM	3:00 PM	8:45 AM	3:15 PM
Broadacres JS	0.42555	2	8:35 AM	3:00 PM	8:50 AM	3:15 PM
Hilltop MS	0.71223	2	9:00 AM	3:09 PM	9:15 AM	3:24 PM
John G Althouse MS	0.11225	2	8:55 AM	3:05 PM	8:35 AM	2:45 PM
Millwood JS	0.14411	2	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Princess Margaret JPS	0.43627	2	8:50 AM	3:25 PM	8:20 AM	2:55 PM
Rosethorn JS	0.06455	2	8:25 AM	3:00 PM	8:15 AM	2:50 PM
Valleyfield JS	0.89629	2	8:30 AM	3:05 PM	8:15 AM	2:50 PM
Wedgewood JS	0.10987	2	8:25 AM	3:00 PM	8:15 AM	2:50 PM
Westmount JS	0.8233	2	9:00 AM	3:10 PM	9:15 AM	3:25 PM
Etienne Brule JS	0.48097	3	9:00 AM	3:25 PM	9:15 AM	3:40 PM
Islington JMS	0.68155	3	8:55 AM	3:20 PM	9:15 AM	3:40 PM
James S Bell JMS	0.44529	3	8:50 AM	3:09 PM	8:26 AM	2:45 PM
John English JMS	0.32803	3	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Lambton-Kingsway JMS	0.00152	3	8:50 AM	3:05 PM	8:30 AM	3:10 PM
Lanor JMS	0.37987	3	8:45 AM	3:10 PM	8:20 AM	2:45 PM
Second Street Jr MS	0.67972	3	8:45 AM	3:05 PM	9:15 AM	3:35 PM
Sir Adam Beck JS	0.19472	3	9:00 AM	3:35 PM	8:35 AM	3:10 PM
Chalkfarm PS	0.9228	4	8:45 AM	3:00 PM	8:30 AM	2:45 PM
Daystrom PS	0.78093	4	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Derrydown PS	0.84241	4	9:00 AM	3:30 PM	8:30 AM	3:00 PM
Gracedale PS	0.70209	4	8:40 AM	3:10 PM	8:15 AM	2:45 PM
Gulfstream PS	0.78693	4	8:40 AM	3:15 PM	8:15 AM	2:50 PM
Lamberton PS	0.76235	4	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Stanley PS	0.90453	4	8:45 AM	3:15 PM	9:10 AM	3:45 PM
Topcliff PS	0.95023	4	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Calico PS	0.90662	5	9:00 AM	3:20 PM	8:45 AM	3:05 PM
Charles H Best MS (East)	0.69289	5	8:40 AM	3:05 PM	8:20 AM	2:45 PM
Dublin Heights E & MS	0.27118	5	8:35 AM	3:00 PM	9:05 AM	3:30 PM
Rockford PS	0.46671	5	8:45 AM	3:15 PM	9:10 AM	3:40 PM
Summit Heights PS	0.03864	5	8:40 AM	3:10 PM	9:10 AM	3:40 PM
Tumpene PS	0.90776	5	9:00 AM	3:30 PM	9:15 AM	3:30 PM
Wilmington PS	0.5007	5	8:45 AM	3:15 PM	8:35 AM	3:00 PM
George Syme Community School	0.90585	6	8:55 AM	3:20 PM	9:10 AM	3:35 PM

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 Toronto District School Board School Start and End Times
 Effective September 2020

Appendix A	LOI	WARD	Current		Revised	
			AM Bell	PM Bell	AM Bell	PM Bell
Gracefield PS	0.70396	6	8:45 AM	3:05 PM	8:25 AM	2:45 PM
Maple Leaf PS	0.97081	6	8:50 AM	3:20 PM	8:20 AM	2:50 PM
Pelmo Park PS	0.91473	6	8:50 AM	3:05 PM	9:15 AM	3:30 PM
Fern Avenue PS	0.1237	7	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Howard Jr PS	0.09266	7	9:00 AM	3:30 PM	8:30 AM	3:00 PM
Queen Victoria Jr PS	0.6928	7	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Armour Heights PS	0.02937	8	8:45 AM	3:20 PM	9:00 AM	3:35 PM
Forest Hill Jr & Sr PS	0.0656	8	9:00 AM	3:15 PM	8:30 AM	2:45 PM
Glen Park PS	0.54425	8	8:30 AM	3:00 PM	9:00 AM	3:30 PM
McMurrich Jr PS	0.39075	8	8:40 AM	3:10 PM	8:45 AM	3:15 PM
Carleton Village Sr PS	0.84219	9	8:55 AM	3:30 PM	9:10 AM	3:45 PM
Dewson Street Jr PS	0.27597	9	9:00 AM	3:30 PM	8:30 AM	3:00 PM
Givins Shaw Jr & Sr PS	0.21658	9	8:55 AM	3:15 PM	8:25 AM	2:45 PM
Rawlinson Community School	0.64046	9	8:40 AM	3:13 PM	8:15 AM	2:48 PM
Regal Road Jr PS	0.31553	9	9:00 AM	3:30 PM	9:15 AM	3:45 PM
erson Community School Jr & S	0.73738	9	8:45 AM	3:30 PM	8:30 AM	2:45 PM
Lord Lansdowne PS	0.40257	10	8:45 AM	3:30 PM	8:40 AM	3:00 PM
Winchester Jr & Sr PS	0.73464	10	9:00 AM	3:15 PM	9:15 AM	3:30 PM
Bennington Heights ES	0.02592	11	8:50 AM	3:20 PM	8:20 AM	2:50 PM
Blythwood Jr PS	0.00082	11	8:50 AM	3:30 PM	8:55 AM	3:35 PM
Denlow PS	0.01683	11	8:45 AM	3:15 PM	9:10 AM	3:40 PM
Dunlace PS	0.10525	11	8:45 AM	3:15 PM	9:10 AM	3:40 PM
John Fisher Jr PS	0.03173	11	8:45 AM	3:25 PM	8:15 AM	2:55 PM
Northlea E & MS (Rumsey & Di	0.08876	11	8:50 AM	3:30 PM	8:20 AM	3:00 PM
Owen PS	0.09657	11	8:45 AM	3:15 PM	9:10 AM	3:40 PM
Rippleton PS	0.15838	11	8:45 AM	3:15 PM	9:10 AM	3:40 PM
Finch PS	0.42312	12	8:45 AM	3:10 PM	8:20 AM	2:45 PM
Hollywood PS	0.23771	12	8:40 AM	3:15 PM	8:15 AM	2:50 PM
Lillian PS	0.29749	12	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Pleasant PS	0.45446	12	8:50 AM	3:20 PM	9:15 AM	3:45 PM
RJ Lang E & MS	0.41842	12	8:30 AM	3:00 PM	8:15 AM	2:45 PM
Yorkview PS	0.31666	12	9:05 AM	3:40 PM	9:10 AM	3:45 PM
Brian PS	0.34545	13	8:50 AM	3:30 PM	9:05 AM	3:45 PM
Cherokee PS	0.31586	13	8:45 AM	3:15 PM	9:00 AM	3:30 PM
Cliffwood PS	0.23015	13	9:05 AM	3:35 PM	8:35 AM	3:05 PM
Cresthaven PS	0.66084	13	8:45 PM	3:20 PM	8:15 PM	2:50 PM
Crestview PS	0.40937	13	8:45 AM	3:15 PM	8:15 AM	2:45 PM
Dallington PS	0.36067	13	8:45 AM	3:15 PM	8:15 AM	2:45 PM
Elkhorn PS	0.18545	13	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Ernest PS	0.28014	13	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Lester B Pearson PS	0.27216	13	8:30 AM	3:00 PM	9:00 AM	3:30 PM
Muirhead PS	0.44636	13	8:40 AM	3:10 PM	8:55 AM	3:25 PM

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 Toronto District School Board School Start and End Times
 Effective September 2020

Appendix A			Current		Revised	
School	LOI	WARD	AM Bell	PM Bell	AM Bell	PM Bell
Pineway PS	0.76706	13	8:45 AM	3:00 PM	8:30 AM	2:45 PM
Seneca Hill PS	0.24541	13	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Steelesview PS	0.17531	13	8:30 AM	3:05 PM	9:00 AM	3:35 PM
Broadlands PS	0.47364	14	8:30 AM	3:00 PM	8:15 AM	2:45 PM
Cassandra PS	0.46052	14	8:45 AM	3:15 PM	8:30 AM	3:00 PM
Gateway PS	0.72959	14	8:40 AM	3:10 PM	8:15 AM	2:45 PM
Grenoble PS	0.83579	14	8:45 AM	3:15 PM	8:20 AM	2:50 PM
Norman Ingram PS	0.13058	14	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Rene Gordon ES	0.58937	14	8:45 AM	3:20 PM	8:20 AM	2:55 PM
Three Valleys PS	0.39472	14	8:40 AM	3:10 PM	8:15 AM	2:45 PM
Blake Street Jr PS	0.79199	15	8:50 AM	3:15 PM	8:25 AM	2:50 PM
Duke of Connaught Jr & Sr PS	0.48658	15	8:45 AM	3:10 PM	8:20 AM	2:45 PM
Dundas Jr PS	0.77976	15	8:45 AM	3:15 PM	8:20 AM	2:50 PM
R H McGregor ES	0.11966	15	8:50 AM	3:20 PM	8:25 AM	2:55 PM
Wilkinson Jr PS	0.30284	15	8:50 AM	3:20 PM	9:15 AM	3:45 PM
Adam Beck Jr PS	0.05977	16	8:45 AM	3:30 PM	8:15 AM	2:50 PM
Bowmore Road Jr & Sr PS	0.22751	16	8:45 AM	3:10 PM	9:15 AM	3:40 PM
Earl Beatty Jr & Sr PS	0.19988	16	8:45 AM	3:15 PM	8:20 AM	2:50 PM
Selwyn ES	0.63199	16	9:00 AM	3:30 PM	9:15 AM	3:45 PM
Ellesmere-Statton PS	0.67375	17	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Clairlea PS	0.63957	18	8:45 AM	3:15 PM	9:00 AM	3:30 PM
Cliffside PS	0.86909	18	8:55 AM	3:30 PM	9:10 AM	3:45 PM
Corvette Jr PS	0.8182	18	8:50 AM	3:15 PM	9:15 AM	3:40 PM
General Brock PS	0.59685	18	8:45 AM	3:10 PM	9:15 AM	3:40 PM
Regent Heights Jr PS	0.56528	18	8:45 AM	3:10 PM	9:15 AM	3:40 PM
Bendale Jr PS	0.52282	19	8:45 AM	3:30 PM	8:15 AM	3:00 PM
Cedarbrook Jr PS	0.71244	19	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Churchill Heights PS	0.52637	19	8:40 AM	3:15 PM	8:15 AM	2:50 PM
Cornell Jr PS	0.75389	19	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Elizabeth Simcoe Jr PS	0.30901	19	8:45 AM	3:30 PM	9:00 AM	3:30 PM
George B Little Jr PS	0.69216	19	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Tredway-Woodsworth PS	0.76808	19	8:50 AM	3:15 PM	8:25 AM	2:50 PM
Beverly Glen Jr PS	0.5067	20	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Fairglen Jr PS	0.53426	20	8:45 AM	3:10 PM	9:05 AM	3:30 PM
Brimwood Boulevard Jr PS	0.46405	21	8:45 AM	3:15 PM	8:15 AM	2:45 PM
Brookside PS	0.23446	21	8:40 AM	3:15 PM	8:15 AM	2:50 PM
Iroquois Jr PS	0.52087	21	8:50 AM	3:15 PM	8:20 AM	2:45 PM
North Agincourt Jr PS	0.43539	21	8:50 AM	3:20 PM	8:20 AM	2:50 PM
Alexander Stirling PS	0.71727	22	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Charlottetown Jr PS	0.07535	22	8:45 AM	3:20 PM	9:00 AM	3:35 PM
Chief Dan George PS	0.65369	22	8:45 AM	3:20 PM	9:10 AM	3:45 PM
Emily Carr PS	0.64815	22	8:45 AM	3:05 PM	9:10 AM	3:30 PM

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 Toronto District School Board School Start and End Times
 Effective September 2020

Appendix A			Current		Revised	
School	LOI	WARD	AM Bell	PM Bell	AM Bell	PM Bell
Highland Creek PS	0.47187	22	8:45 AM	3:15 PM	9:15 AM	3:45 PM
Thomas Wells PS	0.28795	22	8:45 AM	3:20 PM	8:20 AM	2:55 PM
William G Miller Jr PS	0.61315	22	8:45 AM	3:15 PM	8:15 AM	2:45 PM
French Immersion						



Questions and Answers

Toronto District School Board Bell Time Change

Due to budget reductions in 2019, TDSB was given two years to balance its budget. As such, many changes were made last year and for the coming year, including staggering bell times for schools in order to provide cost savings through student transportation and not impact students through further reductions. While changing bell times will impact families and students, it will allow the TDSB to maintain both transportation and other services. Below are commonly asked questions about bell time changes (changes to the start and end of the school day for students). If you have a question that is not listed here that you need answered, please email (email address for bell time changes) or contact your principal.

Bell Time Changes – Who, What, When, Where and Why?

Q. What is a staggered bell time system?

A. A staggered bell time system strategically establishes bell times for schools that allow school buses to be used with maximum efficiency at more than one school. Some schools have start times that are earlier in the morning (i.e. 8:15 a.m. at the earliest) while others will have start times that are later (i.e. 9:15 a.m. at the latest).

Q. Is my school impacted by the bell time changes?

A. This Wednesday, February 26 we will be posting a new webpage devoted to the changes to school start and end times (bell times). At that time, you can review the attached lists on the [TDSB website](#) to see if your school is changing and by how much. You can also reference your school website for information changes to your bell times. The maximum bell time change at impacted schools will be 30 minutes.



Q. Are all schools changing bell times?

A. No. The bell time changes will impact 129 elementary schools or roughly 1/3 of elementary schools. Review the attached list to determine if your school is impacted.

Q. How were the schools selected for bell time changes?

A. TDSB uses software to plan all routes. The software looks at all factors that impact efficiency of a route, such as the length of the bus run and the street network settings (speed, turn restrictions, distance, one-way, etc.) to determine what combination would generate a maximized solution given the criteria that it is provided (no morning bell time before 8:15 am or after 9:15 am and no more than a 30 minute change in bell time). The software looks to maximize the use of the bus so school location relative to one another and student distribution and density (which determine the bus runs) will also impact the result. Better planning of routes will allow us to maximize efficiency in the use of the buses and minimize the possibility of on route delays.

Q. Why are you changing bell times?

A. The TDSB was required to find \$67.8M in savings due to changes in provincial government funding. One of the ways we proposed to do this was through bell time changes (projected to save \$2.5 million). This is done by more efficiently planning and aligning routes to maximize the use of each bus. Other benefits include removing approximately 55 buses from the roads and with the removal of those buses; there will also be a reduction of approximately 2,750 metric tonnes of carbon dioxide per year. Most importantly, by staggering bell times, TDSB is able to ensure that all students who were eligible for student transportation in the 2019-2020 school year will remain eligible in the 2020-2021 school year.



Q. Why adjust Elementary bell times as opposed to High school or Middle school?

A. The vast majority of transported students are in the elementary panel as TDSB's transportation is provided primarily to eligible students from JK – Grade 5.

Q. Are we the only School Board that is changing its bell times?

A. No. Many Boards in Ontario are changing/have changed bell times due to the driver shortage and budget pressures. Some other Boards that have made changes include Durham, Hamilton, Ottawa and others.

Q. When only a small percentage of students take the bus to school, why must the entire student population make the adjustment to the new school start and end time?

A. There may be some instances where a small percentage of students take the bus to school and those bus routes will be changing. That decision is based upon the software we use to determine maximum efficiencies to achieve \$2.5M in savings. This also ensures that we do not have to make changes other programs and services that would have a negative impact on classroom learning.

Benefits to Changing Bell Times

Q. Are there other benefits of leaving High school and Middle school bell times unchanged?

A. Yes. Those benefits include:

- No impact on Secondary or middle school athletics, before/after school activities or employment arrangements;



- All budget and program objectives of the bell time changes can be achieved without changing High school and Middle school schedules; and
- Instructional time is protected (fewer early releases for athletics/other activities).

Q. Will staggering bell times improve the bus driver shortage?

A. Yes. By staggering bell times, TDSB will be able to get approximately 55 school buses off the road. Therefore those buses will no longer need drivers. With fewer buses operating, there will be an increased availability of bus drivers, meaning better service for the system.

Q. What will the new bell times be?

A. The attached list will provide the new bell times. If your school is not listed, it means your bell time will remain the same.

Q. When will the new bell times begin?

A. This September, on the first day of school of the 2020-2021 school year.

Bus Transportation Changes

Q. Will my bus stop change?

A. It is expected that your bus stop will remain the same but notice will be sent to you if there are any changes.



Q. Will bus rides be longer?

A. It is not expected that this will lengthen bus rides. The change is being made to make service more efficient. Overall bus rides will be the same or shorter. Individual student ride lengths may change, as some routes will be different as happens from year to year.

Q. My child(ren) is/are not eligible for bus transportation. How will my child(ren) get to school if my work schedule no longer allows me to transport them to school?

A. Schools will be able to receive students fifteen minutes before the bell time and provide supervision for fifteen minutes following dismissal. You may also wish to discuss strategies with neighbours and/or your school around walking school bus. For more information on walking school bus, see <https://www.torontoschoolbus.org/walk> .

Q. What is the impact to Special Education bus routes and students attending these schools?

A. Special education routes will only be changed based on the bell time of the school and students attending that school.

Impacts to School Programs and Athletics

Q. How will this impact other programs, including athletics?

A. Our response to this question is based on our initial review of all programs, including athletics, and is subject to minor changes as we determine all options.



- (1) Academic programming is not expected to change.
- (2) Every effort is being made to minimize the impact of the change in bell times on after school activities and sports, including when students will be dismissed early from class to participate in after school activities.
- (3) Where extra-curricular activities exist, it is not expected that this will be impacted.

Q. My child participates in an after school program (activity or athletics) that is a private program and not a part of the TDSB program. What provisions are being made to lessen the impact of a change in school bell times for these programs?

A. While we cannot make changes for private programs, it may be helpful for parents/guardians to advise those responsible for these programs about our schedule change. As the maximum change to bell times is 30 minutes, it is expected that the impact on non-TDSB programming to be minimal.

Q. What are the implications of a change in Bell Times to athletics?

A. Schools have the option of competing in tournaments (which take place during the school day) or league structure (games and competitions after school). Most elementary schools engage in a tournament format.

If there are any changes to the bell times, accommodations will be made to ensure participation for all of our schools and students; convenors, and central HPE staff often devise structures of play that accommodate the various start and end of times of our schools.



If the school days ends earlier, schools/coaches may be more inclined to adopting league play (after school), which is generally viewed as being a better model for developing physical well-being.

Q. How will this impact the licensed childcare and/or before- and after-school program operating in the school?

A. If you currently have licensed before- and after-school program, the service hours will be impacted by the bell time changes. Before- and after-school programs will have to revise their operating hours to align with the new bell times. Bell time changes shouldn't impact programs serving infant, toddler and preschool-age children.

Q. How will bell time changes impact the Authorized Recreation program in the school?

A. If you currently have an authorized recreation program, the service hours will be impacted by the bell time changes. These programs operate for one period a day, after-school, for a maximum of 3 hours per day. If the afternoon bell is moved to an earlier time, this may impact the closing time of the program. For example, if the authorized recreation program begins at 2:45, it cannot operate past 5:45.

Q. How will this impact before- and after-school program service for students being escorted or bussed from other schools?

A. Some before- and after-school programs accept students who attend school at alternate locations, but this is not a regular practice. Changes to bell times may impact the before- and after-school program's ability to serve students from other



schools. For example, if students arrive at the host school prior to the afternoon bell, the classrooms and program staff will not yet be available to accept children.

Additionally, changes to the program schedule may impact the before- and after-school program's ability to escort students to and from the school bus or the alternate school site.

Childcare/Extended Day (EDP)/City Programs

Q. Who is responsible for communicating with families about any changes to the childcare program's operating hours?

A. Principals will be responsible for communicating bell time changes with school families. Given the impact to child care and before- and after-school programs, individual operators will also be responsible for communicating changes in their operating hours to their families. Schools can redirect all childcare inquiries to the Supervisor/staff. Principals may also want to obtain this information from the program so they are aware of the changes as well given transitions will need to be coordinated with school staff. It is important for Principals to begin discussions with childcares and before- and after-school programs as early as possible to ensure coordinated transition and parent communications.

How you can Learn More about Changes to School Start and End Times

Q. How will I continue to be informed? How do I provide feedback?

A. Emails will be sent to parents through the parent portal for those receiving student transportation. If you have not signed up, you may wish to do so at <https://busplannerweb.torontoschoolbus.org/Subscriptions/Login>.



For those not receiving student transportation services, we will update you with any future changes on the board website at www.tdsb.on.ca or your school website. If you have any questions that have not been answered, you may also wish to speak with your principal. We will continue to update the website and Questions and Answers as additional questions come in.

In-Person Information Meetings:

- Mon. March 9 (Earl Haig - 100 Princess Ave., North York) at 7 pm
- Thurs. March 12 (David and Mary Thomson - 125 Brockley Dr., Scarborough) at 7 pm
- Mon. March 23 (Danforth CTI - 800 Greenwood Ave., Toronto) at 7 pm
- Wed. March 25 (Richview CI - 1738 Islington Ave., Etobicoke) at 7 pm - Rescheduled

Virtual Information Meetings – Online Webchat:

Thursday, March 26 from 10 a.m. to 11 a.m.

Thursday, March 26 from 7 p.m. to 8 p.m.

Q. How will this effect field trips during the day if buses now have new routes?

A. The Board has approved vendors that provide busing for field trips that are in addition to the companies that provide daily bus service. Also, there are currently



variable start and end times at schools across the system and schools have largely been able to make it work for their field trips.

Q. Can a school change its bell times to address local needs, i.e. lunch hour length, etc.?

A. The current change to bell times is to accommodate the efficient routing of buses. In the past, schools could establish their own committees to address changes to bell times at the local school level. With integrated busing routes and program changes there needs to be an established process followed by all schools to ensure consistency of outcomes across the board. In May and June of this year a committee of principals, superintendents, planning and transportation will be formed to develop this new procedure. Until then we would ask schools to maintain their current bell times.

Q. How will this affect shared space childcare housed in other schools as they will still be using the rooms when early dismissal schools need childcare for their students?

A. We are working with our Early Years team and schools to ensure current services are maintained.

Q. How is this considered equitable when late start schools will be able to hold morning extracurricular activities and early start schools will not?



A. The shift in the morning will ideally afford schools the opportunity to provide activities after school. TDSB currently has an array of start and end times and principals and schools have proven adept at adapting their activities to fit their school's unique times.

TDSB chose to restrict the change to 30 minutes, unlike some other jurisdictions that have gone to 60 minutes and more, to reduce the impact at the individual school level.

Q. Will any accommodations be made for other providers outside the direct school community that support our students, such as leisure programs, tutoring services, etc.?

A. We would expect that other service providers would modify their schedules in order to ensure our students can still avail themselves of these services.

Q. Have our EDP, Childcare and Authorized Recreation providers been advised of the bell time change?

A. Yes, they were notified by the Early Years Team, however to ensure no one was missed we suggest communicating with them directly as well.

Q. Why is my school changing bell times when we have a small number of students using transportation at my school?

A. Schools were selected for bell time optimization where there was the greatest likelihood of cost savings due to how integrated they are with other routes. Further, while some schools may currently have a small number of students transported to



the school, as demographics, program offerings and other factors change, we would expect more students may be using transportation. We have to plan for routes that efficiently utilize our limited transportation resources. If we did not manage routes efficiently, reductions in other programs supporting students would be needed.



Supplemental Report on Davisville JPS and Spectrum Alternative Senior School Geotechnical Investigation

To: Finance, Budget and Enrolment Committee

Date: 13 May, 2020

Report No.: FBEC: 05-20-3883

Strategic Directions

- Allocate Human and Financial Resources Strategically to Support Student Needs

Recommendation

It is recommended that the supplemental report on Extraordinary Costs for Davisville Junior Public School be received.

Context

The purpose of this report is to provide the Board with additional information regarding the significant additional construction cost claim for below grade site preparation, excavation and material removal work - part of the Davisville Junior Public School and Spectrum Alternative Senior School replacement project and considered as an “Extraordinary Cost Item” for the Ministry of Education (EDU).

The work that was completed was in addition to the scope originally outlined in the construction tender documents and was based on investigations conducted by HLV2K, the Geotechnical consultant retained by the TDSB. A summary of work conducted on site, along with an assessment of the current situation, has been prepared by HLV2K and is attached to this report as Appendix ‘A’. The assessment analyzes and describes events leading to the current need for the additional construction cost claim as a result of the current findings in comparison to the original Geotechnical reports.

Geotechnical reports are surveys and investigations of the below-grade conditions of a site prepared in advance of design work for a new building. These investigations are based primarily on boreholes and core samples intended to identify the nature of the material underground, the location of the water table, and the presence of possible

anomalies and contaminants. This is intended to provide the architect and engineers with necessary information to design foundations and civil works. The Geotechnical reports are also part of the construction tender documents to allow assessment of excavation and material disposal costs. Accuracy of the geotechnical investigations are limited to the number of boreholes initiated.

At the Davisville JPS project site a Phase I ESA (Appendix 'B') was performed at the request of Toronto Lands Corporation (TLC) and the report recommended a Phase II ESA. The Phase II ESA (Appendix 'C') involved the installation of thirteen (13) boreholes, eight (8) of which were used as monitoring wells. The impacted soils were encountered for de-icing salts and at one location for Petroleum Hydrocarbons (PHC) near the former boiler room. The ground water showed only impacts for de-icing salts. A geotechnical investigation was conducted at the request of TDSB and with the installation of Twenty-two (22) boreholes ranging in depth from 8 to 15 meters below ground surface. They determined that the soil consisted of silty sand to silty clay which restricts the flow of groundwater and contaminants through it. The small area of influence was minimal. Drawing down the groundwater table in these soils has a small area of influence meaning that any type of spill (surface or subsurface) would not be detected until excavated. At the request of the architects a ground penetrating radar (GPR) investigation was undertaken and the analysis showed that there was some former foundation left from previous structures. Volumes were estimated based on this work.

It should also be noted that the claim for additional funds is based on the need to compensate for the shortfall in bench mark funding. The base provincial allowances are based on an assumption of a green-field site with no environmental contaminants or ground water issues with suitable material and bearing capacity for a new school building. Should a project encounter issues that were not anticipated during the original cost estimates, the EDU has an application process for extraordinary costs. The EDU does not provide funding until such time as the additional costs are quantified and incurred: actual costs are submitted by the general contractor. In terms of the Davisville JPS replacement school project, the identified costs are being presented to the EDU as part of the "Approval to Proceed Amended Report" to request for additional "Extraordinary Cost Items" as per the EDU submission process.

Action Plan and Associated Timeline

The project received TDSB Board Approval for additional extraordinary costs in April 20, 2020 (FBEC report, 04-20-3872, 20 January, 2020).

Resource Implications

Not applicable.

Communications Considerations

Community Engagement – communication with all community stakeholders is maintained throughout the process. The school and school community will continue to be informed regarding the construction timeline and site utilization.

Board Policy and Procedure Reference(s)

Not applicable.

Appendices

- Appendix A: Sequence of Events for Assessment of the Property and Potential Costs
- Appendix B: Phase I – EV-1046-27482-TLC-Phase I ESA-43 Millwood Road
- Appendix C: Phase II – EV-1046-27692-TLC-Limited Phase II ESA-43 Millwood Road
- Appendix D: Typical Scope of Work Geotechnical & Environmental

From

Steve Shaw, Executive Officer, Facility and Planning at
Steve.Shaw@tdsb.on.ca or at 416-395-4566

Terry Leventos, Senior Manager, Capital Project Management at
Terry.Leventos@tdsb.on.ca or at 416-395-4566

Salvatore Beltrano, Manager, Capital Project Management at
Salvatore.Beltrano@tdsb.on.ca or at 416-395-4566



April 21, 2020

Project No.: 1800036GE

Toronto District School Board
15 Oakburn Crescent
Toronto, Ontario
M5A 4L5

Email: Terry.Leventos@tdsb.on.ca

**Attention: Terry Leventos
Director of Capital Projects**

Re: Sequence of Events for Assessment of the Property and Potential Costs

HLV2K Engineering was requested by the Toronto District School Board (TDSB) to assess the events that leadup to the development of the budgetary cost estimate for Davisville School.

The Davisville Property covers an area of approximately 4.8 hectares bounded by Millwood Road to North, Davisville Avenue to South, residential homes to east and commercial building to the west.

A Phase I and Phase II Environmental Site Assessment were commissioned by the Toronto Lands Corporation (TLC) a subsidiary of the TDSB in 2015 for the Property. The Investigation of the property by undertaken by Soil Probe Limited for both Assessment.

The Phase I ESA was undertaken by Soil Probe Limited, written by Winston Lew, June 19, 2015 and the main points of the Phase I ESA were as follows.

- First Developed use of the property was in 1860 on the north side of the property and Post Office on the south side of the property.
- This was replaced by a new school in the mid 1920's now located on south side with a playing field on the north side of the property facing Millwood Road.
- In 1962 the School was reconstructed on the north side of the property and buildings on the south side of the property were removed.
- In 2019 the old school was removed and once again placed along Davisville Avenue with the playing field on the north side of school.

The backfilling of the sites with demolition materials, wood, bricks, concrete, plastic, and paper was a common practice in the construction prior to 2005. After 2005, the practice of burying old foundation, and demolition debris in most cases ceased. If foundations are left in place in some cases it can be done, but it needs to be well documented in the as-built drawing and as-built construction report for the next rebuild of the property.

The Limited Phase II ESA was undertaken by Soil Probe in July of 2015, written by Gianni Lametti on October 7, 2015 and the main points of the Limited Phase II ESA were as follows.

- Thirteen (13) boreholes were drilled on site that included six (6) monitoring wells and seven boreholes to depth of ranging from 1.5 to 8.0 m below ground surface. The shallower boreholes were placed inside of the old school.



- Approximately eleven (11) boreholes were installed outside of the former school. Two along each side and remainder along the south side of the school.
- The soil and groundwater on the property was lightly impacted. The groundwater was only contaminated with chloride due to the heavy salting of the paved areas. Similarly, the soil was impacted electrical conductivity EC and sodium adsorption ratio (SAR). One (1) sample near the boiler room on the south side exceeded for Petroleum Hydrocarbons F3 fraction and indication that there was an underground storage tank nearby or contaminated soil left behind when the UST was removed.
- Twenty-nine (29) soil samples were analyzed for PHCs F1 to F4 fractions, Volatile Organic Compounds (VOCs), metals and Inorganics, Poly Aromatic Hydrocarbons (PAH), and Poly Chlorinated Bi Phenyls (PCBs) and only one(1) sample was encountered for PHCs and two(2) for EC and SAR, and (1) contaminated groundwater samples for Chloride.
- **The native soils on site consist sandy silt till, clayey silt till, which in general are not conducive for the movement of contaminants and groundwater on site.**

In summary there was **very little contamination** encountered on site during this investigation phase. A recommendation was made in the report to further investigate the former UST Area. No rubble was encountered during the placement of these monitoring wells and boreholes.

On May 5, 2016, a Geotechnical Investigation was undertaken by Orbit Engineering for the placement of Twenty (20) boreholes to depth ranging from 8 to 15 m below ground surface. No contamination or unusual odours were encountered except for boreholes BH6 and BH7 along the south west line of the new underground garage onsite.

The summary of the Investigations and Boreholes Drilled on the Property

Description	Boreholes and Monitoring Wells
Limited Phase II ESA	13 Borehole (Six (6) Monitoring Wells). Ranging depth from 1.5 m to 8.0 m bgs.
Geotechnical Investigation	20 boreholes of which ten (10) where placed within the footprint for the new structure. Drilled to depths of 8 to 15 m bgs.
GPR Investigation	Entire south side of the existing school to the sidewalk along Davisville

November 8, 2017 a Hydrogeological Investigation was undertaken by Orbit and again the groundwater was found suitable for discharge to the sanitary sewers. All six monitoring wells installed previously were re-sampled and water levels measured to determine the hydraulic conductivity for the soils onsite. The pumping rate is low at 12.2 l/min **a testament to the soils not being conducive to the transmittance of groundwater and contaminates.**

On December 7 2017, an order magnitude cost estimate for the TDSB was prepared for the investigation of the UST Area and potential costs for remediation. The UST area was estimated to be in the range of



\$62,000.00 of which a portion was placed into cash flow allowance. The cleanup of the potential USTs and impacted soil became part of the demolition contract.

The cost estimate to remove the rubble and former foundations that may have existed was estimated to be approximately 1800 m² or an area covering 30 m x 60 m. **The total tonnage was estimated at 7,200 metric tons and disposed of at cost of \$50/metric ton just for the concrete.** The soil was not considered since no contamination was encountered in the area where the estimate was applied. **An estimate for backfill with Granular B at \$30/tonne was included for total cost of \$468,000 plus 20%.**

In May 2019, Ground Penetrating Radar (GPR) Survey was conducted to assess the presence of buried foundation onsite and the former UST area. The GPR method was discussed at our regularly scheduled site meetings as a non-intrusive means of determining whether the USTs were still present and provide some insight on the existence of buried former structures.

The heavy salt (de-icing) and fertilizer applied to the surfaces interfered with the signal strength of the machine. However, **the GPR did not find any USTs still on site and pockets of rubble were encountered at 1.2 m below ground surface. The total area of potential rubble was approximately 915 m² less than what was estimated of 1800 m² which formed the basis of the budget for environmental remediation.** This information was submitted to the TDSB and the architect.

The contaminated soil found at the UST was removed by the demolition contractor and the concrete rubble by the PERCON.

In July 2019, fuel impacted soil was encountered along the roadbed of the north entrance driveway to approximately to entrance to the former garage at 68 Davisville. **A monitoring well had been placed on the eastside of driveway** which previously was the location of the first School on the Property. **The contaminated soil was encountered on the west side** of the driveway during the installation of the new sanitary sewer manhole in the soil above the water table.

Similarly, soil impacted with fuel oil (very odourous) and PAH; were encountered within the foundations along the south face along Davisville Road from Grid Line 8 to 16 to approximately Gridline H. **This type of contamination can remain hidden for long time since PAHs and the heavier ends of fuel oil (F3 to F4 fractions) are not very mobile in the natural environment until released. Again, indicative to the types of soil present on the property at the depths it was encountered. The exceedance of fuel oil and PAH found in fuel oil were from previous spills on site. Small spills occurring over multiple locations are impossible to find since they were not recorded, until a massive excavation is undertaken for new school.**

More recently, with the installation of the storm line from manhole MH4 to MH3, PAHs were encountered in the soil. The groundwater in this location was encountered shallow in the 3.0 to 4.0 m depth was impacted with PAH and pH. This groundwater is perched and is emanating from the former boiler room which was backfilled with crushed concrete. **The crushed concrete met the Granular B Specification and was a significant cost saving to the project. It is well known that when fresh concrete is poured for foundations that an increase in pH of the surrounding soils and groundwater is expected. The same is true with crushed concrete.**

A more recent analysis showed that groundwater to be impacted with PAHs from previous spills of fuel onsite and by pH due to the crushed concrete. **After removing 15,000 litres of impacted groundwater and surface water by vacuum truck the PAH impact was removed.**

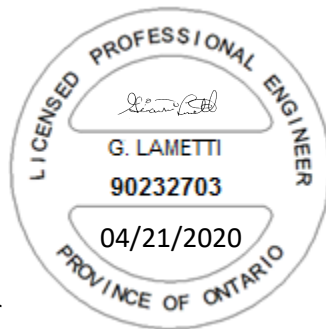


The pH of the groundwater for discharge to the sanitary sewer will require some pH adjustment with either carbonic acid or acetic acid until such time the free calcium (unbounded) in the freshly poured concrete onsite or from the crushed concrete diminishes.

Should you require and further explanation please do not hesitate to call our office at 905-569-9765 extension 204 or 647-926-8070 via my cell.

For and on the behalf of HLV2K,

A handwritten signature in black ink, appearing to read 'John G. Lametti'.



John G Lametti, P.Eng. QPESA
Environmental Principal Engineer



RE: PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED DAVISVILLE JUNIOR PUBLIC SCHOOL /
METRO SCHOOL FOR THE DEAF / SPECTRUM ALT SENIOR SCHOOL
TORONTO DISTRICT SCHOOL BOARD
43 MILLWOOD ROAD
TORONTO, ONTARIO

FOR: Toronto Lands Corporation
Subsidiary of the Toronto District School Board
60 St. Clair Avenue East, Suite 201
Toronto, Ontario
M4T 1N5

ATTENTION: Mr. Michael Tenenbaum

REPORT NO.: 2015-27482

DATE: June 19, 2015

DISTRIBUTION: 3 Copies: Toronto Lands Corporation
PDF Copy: Toronto Lands Corporation [mtenenbaum.tlc@tdsb.on.ca]

Original: (File No. EV-1046)



June 19, 2015

REPORT NO.: 2015-27482

FILE NO.: EV-1046

Mr. Michael Tenenbaum
Toronto Lands Corporation
Subsidiary of the Toronto District School Board
60 St. Clair Avenue East, Suite 201
Toronto, Ontario
M4T 1N5

Dear Mr. Tenenbaum,

RE: Phase I Environmental Site Assessment
Proposed Davisville Junior Public School/ Metro School for the Deaf/
Spectrum Alt Senior School
43 Millwood Road
Toronto, Ontario

1.0 EXECUTIVE SUMMARY

Soil Probe Ltd. (Soil Probe) was retained by Toronto Lands Corporation (hereinafter referred to as the Client), to carry out a Phase I Environmental Site Assessment (ESA) for the property located at 43 Millwood Road, Toronto, Ontario (hereinafter referred to as Phase I Property or subject site). The general location of the Phase I Property is presented in **Drawing No. 1**. Authorization to proceed with the Phase I ESA was received on May 5, 2015 through the approval of Soil Probe's Proposal No. 2015-2264 dated April 7, 2015.

It is understood that the Phase I ESA is required for due diligence purposes prior to the sale of a portion of the Phase I Property. The Phase I ESA will not be used to support a Record of Site Condition (RSC) filing in the Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry. Therefore, the Phase I ESA was performed in accordance to the Canadian Standards Association (CSA) Z768-01 (Reaffirmed 2012).

The findings in this report may be used by the Client for these purposes subject to the *Statement of Limitations* which forms an integral part of this document.

The Phase I Property is 1.6 hectare (4.0 acres) of land occupied with a three (3) storey public school that has a building footprint which occupies approximately 20% of the northern portion of the subject

site. The remaining area is covered with grass, playground (play areas, construction and baseball diamond) and asphalt.

Photographs of the Phase I Property and surrounding areas are presented in **Appendix A** and aerial photographs are presented in **Appendix B**. Historically, the Phase I Property was first developed in 1860 with a two-room, red-brick schoolhouse that was officially called “S.S. #1, York Township”. Overtime, the school and area around the school (referred to as the “Village”) has gone through several development changes which included a pottery, shops, blacksmith, brickworks and a few houses.

Based on the information obtained during the Phase I ESA records review, site reconnaissance and interview process, the following Potential Contaminating Activities (PCAs) may be present at the subject site:

- Potential soil and ground water impact due to the past use of an Underground Storage Tank (UST) at the Phase I Property used for heating purposes;
- Potential soil and ground water impact due to the past use of a garbage incinerator at the school;
- Potential soil and ground water impact due to the use of the hydraulic elevator at the school;
- Potential soil and ground water impact due to the historical use of the land since 1860, from the use of coal fired boilers, oil burning and Polychlorinated Biphenyl (PCB); and,
- Potential ground water impact from off-site sources such as the gasoline service station on Yonge Street.

Upon review of the aforementioned PCAs, it is concluded that a Phase II ESA is recommended for further investigation via sampling and analysis of the soil and ground water.

We trust you will find this report to be complete within our terms of reference. Should you have any questions regarding the information contained in the report, or require further assistance please contact the Soil Probe office.

SOIL PROBE LTD.



Winston Lew, P.Eng.

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- Drawing No. 1: Site Location Map**
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- Appendix A: Site Photographs**
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- Appendix D: Provincial FOI Records**
- Appendix E: Fire Insurance Plans**
- Appendix F: TSSA Records**
- Appendix G: Qualifications of Assessors**

June 19, 2015

REPORT NO.: 2015-27482

FILE NO.: EV-1038

2.0 INTRODUCTION

Soil Probe Ltd. (Soil Probe) was retained by Toronto Lands Corporation (hereinafter referred to as the Client), to carry out a Phase I Environmental Site Assessment (ESA) for the property located at 43 Millwood Road, Toronto, Ontario (hereinafter referred to as Phase I Property or subject site). The general location of the Phase I Property is presented in **Drawing No. 1**.

A summary of the scope of work is provided in **Table A**.

Table A: Scope of Work Summary

Parameters	Information
Work Authorization	May 5, 2015
Purpose of Phase I ESA	Environmental due diligence purposes prior to sale of a portion of the Phase I Property
Record of Site Condition	Not required
Regulation/Guideline used for Phase I ESA	Canadian Standards Association (CSA) Z768-01 (Reaffirmed 2012)
Purpose of Phase I ESA	Document and identify any actual or potential environmental contamination associated with the Phase I Property. A Phase I ESA is a study that reviews available sources of information and visual inspection of the Phase I Property.
Sampling and Testing	The Phase I ESA does not include sampling or testing of soil, ground water, or building materials (if present on the subject site). The analysis would be conducted in a Phase II ESA or a designated hazardous building materials survey, if warranted.
Reliance of Report	The findings in this report may be used by the Client for these purposes subject to the <i>Statement of Limitations</i> which forms an integral part of this document. No other third parties are entitled to rely upon this report without the express written consent of Soil Probe. Any use which a third party makes of this report is the sole responsibility of the said third party; Soil Probe accepts no responsibility for any damages.

2.1 PHASE I PROPERTY INFORMATION

The Phase I Property information is presented in **Table B**.

Table B: Phase I Property Information

Parameters	Information
Size	1.6 hectare (4.0 acres)
Shape	Rectangular
Occupancy	Two (2) Public Schools that are in full operation
Location/Address	43 Millwood Road, Toronto, Ontario
Access to the Phase I Property	The main access to the Phase I Property is from Millwood Road on the north side of the building. There are several other access points on the east and south sides of the building.
Adjacent Properties to the Subject Site	North: Millwood Road and then residential development
	East: Residential development
	South: Residential high-rise and commercial development
	West: Residential and then commercial development along Yonge Street

The Phase I Property ownership information is presented in **Table C**.

Table C: Phase I Property Ownership Information

Company	Authority	Contact
Toronto District School Board / Toronto Lands Corporation	Phase I Property Owner	Mr. Salvatore Beltrano Manager, Capital Project Management 15 Oakburn Crescent Toronto, Ontario M2N 2T5 Phone: 416-395-4187 Email: Salvatore.beltrano@tdsb.on.ca

Soil Probe was retained by Toronto Lands Corporation to carry out the Phase I ESA.

2.2 CURRENT AND PROPOSED FUTURE LAND USES

The current and proposed future land uses of the Phase I Property are presented in **Table D**.

Table D: Current and Proposed Future Land Uses

Parameters	Information
Current Land Use	INSTITUTIONAL The Phase I Property is currently being used as a public school
Proposed Future Land Use	INSTITUTIONAL/UNKNOWN The Phase I Property will continue to be used as a public school, however the intended land use of the portion being sold is not known at this time

3.0 SCOPE OF INVESTIGATION

The Phase I ESA scope of the investigation is presented in **Table E**.

Table E: Phase I ESA Scope of Investigation

Parameters	Information
Regulation/ Guideline used for Phase I ESA	The Phase I ESA was conducted in accordance with the CSA document entitled <i>"Phase I Environmental Site Assessment, CSA Standard Z768-01"</i> dated November 2001 (reaffirmed 2012).
Interviews	An interview was carried out with Mr. Patrick McCarthy, the Head Caretaker of the Public School (the Site Representative). The Site Representative was considered to be a knowledgeable person of the building operations and Phase I Property for the last two (2) years. During the interview, others were included: -Family Team Leader -Principal -Teacher (Used to attend the school in the 1960s)
Site Reconnaissance	A site reconnaissance was carried out on May 20, 2015. The site reconnaissance consisted of a walk-through of the Phase I Property and the surrounding areas. No sampling or testing of materials was carried out. The walk-through of the building was carried out with the Site Representative and the Family Team Leader. This included an inspection of the basement, sub-basement, a typical classroom, Heating, Ventilation and Air Conditioning (HVAC) systems, roof and hydraulic elevator.

Parameters	Information
Records Review	<p>The records review included the Phase I Property and a 250 m radius around the centre of the subject site (Phase I Study Area).</p> <p>The records review included illustrated atlases, topographical maps, land registry records, government records and aerial photographs. This includes a City Directory Search, Fire Insurance Plans and interpretation of all available aerial photographs.</p> <p>EcoLog ERIS was requested to carry out a search for available environmental databases. The EcoLog ERIS custom report included active and former waste disposal sites, coal gas plants, Polychlorinated Biphenyl (PCB) storage sites, registered waste generators and other available databases.</p> <p>The Technical Standards and Safety Authority (TSSA) was requested to conduct a search and review of the records with respect to any activities related to fuel storage tanks within the Phase I Study Area.</p> <p>A Provincial Freedom of Information (FOI) request was made to the Ontario Ministry of the Environment and Climate Change (MOECC) for a records search in relation to reportable spills, orders and convictions associated with the Phase I Property.</p> <p>In addition, past reports were reviewed, which include environmental reports, documentation of the history of the Phase I Property prepared by the school and other documents provided by the Client.</p>
Evaluation	<p>The information gathered from the records review, interview and site reconnaissance were reviewed and evaluated for any Potential Contaminating Activities (PCAs) and any Areas of Potential Environmental Concerns (APECs).</p>
Reporting	<p>The report summarizes the findings of the Phase I ESA and recommendations (if any).</p>
Deviations	<p>There were no deviations from the proposed Phase I ESA proposal.</p>

4.0 RECORDS REVIEW

4.1 GENERAL

The historical records review of past land uses of the Phase I Property and surrounding areas included:

- Land registry records;
- Fire Insurance Plans;
- City Directories;
- Illustrated atlases;
- Topographical maps;
- Aerial photographs; and
- Government records.

4.1.1 Phase I Study Area Determination

The Phase I Study Area which encompasses a 250 m radius around the Phase I Property boundary was established to assess the potential environmental concerns associated with the current and historical uses of the properties, which may have potentially affected the environmental quality of the soil and ground water on the subject site. Any properties wholly or partly located within 250 m of the Phase I Property were included in the assessment.

An EcoLog ERIS complete report search was carried out for the Phase I Study Area. Additional search for other records and databases not included in the EcoLog ERIS report was conducted specifically for the Phase I Property.

4.1.2 First Developed Use Determination

Based on the information gathered from the Principal and aerial photographs for the subject site, it is concluded that the first developed use of the Phase I Property was in 1860 when it was first used as a school. Historically, the Phase I Property has undergone many development changes, but continues to be mainly used as a school.

4.1.3 Fire Insurance Plan Products

A request was sent to Risk Management Systems (RMS) from EcoLog ERIS on behalf of Soil Probe for available Fire Insurance Plans (FIPs) and inspection reports for the Phase I Property. Three (3) records were found, which include the years 1894, 1903 and 1959 as presented in **Appendix E**.

4.1.4 Chain of Title

The CSA level Phase I ESA does not require a Chain of Title search should two (2) of the three (3) mandatory requirements be available, as such; a Chain of Title search for the Phase I Property was not carried out.

4.1.5 City Directory Search

Soil Probe requested Ecolog ERIS for a City Directory (CD) search for the Phase I Property and surrounding properties in approximate five (5) year intervals. Addresses of the neighboring properties were retrieved from the CD as presented in “Polk’s Toronto & East York, Ontario Criss Cross Directory”. The findings of the search are presented in **Table F**.

Table F: City Directory Search

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
Addresses				
1999	Davisville Public School Davisville Day Care Program	21 - Residential 40 - Metropolitan Toronto School for the Deaf 41 - Davisville Child Care Centre 54 - Residential 64 - Residential 66 - Residential 78 - Residential 95 - Residential	1909 - Starbucks Coffee Co. 1915 - ABC Creative Concepts Mfrs 1919 Agts - Armstrong Group - Barmaid's Pru & Eatery 1925 - Gunther & Karl Hair Stylist - JLP Pilipino tore - Rossalinda Boutique 1927 - Wing Machine - Intra Viking Travel - Mysteriously Yours Mystery Dinner Theatre 1941 - Speedy Muffler King 1951 - A Plus Car & Truck Rental - Elms Garage Ltd.	25 - Residential 31 - Address Not Listed 33 - Multi Tenant Residential - Tsuruoka Canadian Budokai - Multi Tenant Residential - Clan Marketing Inc. - Exical Computer Services - Greenwin Property Management - Address Not Listed
1995	Davisville Public School Davisville Day Care Program Metropolitan Toronto School	21 - Residential 40 - Residential 41 - Toronto Child Care Centre 54 - Residential 64 - Residential 66 - Residential 78 - Residential 95 - Residential	1909 - Curiosit 1915 - Mu Mei Do Shiatsu Clinic - Barmaid's Arms Steakhouse 1919 - Gunther & Karl Hair Stylis - JLP Pilipino tore - Rossalinda Boutique 1925 - Wing Machine Inc 1927 - Davisville Travel - Mysteriously Yours Myster Dinner Theatre 1941 - Speedy Muffler King 1951 - A Plus Car & Truck Rental - Millwood Texaco Service	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Multi Tenant Residential - Multi Tenant Residential - Clan Marketing Inc. - Exical Computer Services - Greenwin Property Management - Address Not Listed

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Addresses	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1990	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Toronto Child Care Centre 54 - Residential 64 - Residential 66 - Residential 78 - Residential 95 - Residential	1909 - Address Not Listed 1915 - Address Not Listed 1919 - Address Not Listed 1925 - Address Not Listed 1927 - Address Not Listed 1941 - Address Not Listed 1951 - Address Not Listed	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Multi Tenant Residential 77 - Multi Tenant Residential - Greenwin Property - Management 87 - Address Not Listed	
1985/1986	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Toronto Child Care Centre 54 - Residential 64 - Residential 66 - Residential 78 - Residential 95 - Residential	1909 - Curiosity Gift Ware 1915 - The Barmaids Arms 1919 - Gunther & Karl Hair Stylist - Captain Video 1925 - Holland Flowers 1927 - Davisville Travel Centre 1941 - Speedy Muffler King 1951 - All Canada Rent a Car	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Multi Tenant Residential 77 - Multi Tenant Residential 87 - Address Not Listed	
1980	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Address Not Listed 54 - Residential 64 - Address Not Listed 66 - Residential 78 - Residential 95 - Residential	1909 - Curiosity Gift Ware 1915 - The Barmaids Arms 1919 - Gunther & Karl Hair Stylist 1925 - Skiers Choice 1927 - Davisville Travel Centre - Skiers Choice 1941 - Speedy Muffler King 1951 - Millwood Texaco Service Station	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Multi Tenant Residential 77 - Multi Tenant Residential 87 - Address Not Listed	

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Addresses	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1975	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Address Not Listed 54 - Residential 64 - Address Not Listed 66 - Residential 78 - Residential 95 - Residential	1909 - Curiosity Gift Ware 1915 - The Embassy Restaurant -BM Travel Service 1919 - Gunther & Karl Hair Stylist - Ross Shoe Repair 1925 - Fritz Ski & Sports Ltd 1927 - Fritz Ski & Sports Ltd - Residential - Skiers Choice 1941 - Speedy Muffler King 1951 - Millwood Texaco Service - Station - Elms Ltd Service Station	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Multi Tenant Residential 77 - Multi Tenant Residential - Guyana High Commission 87 - Address Not Listed	
1970	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Dept Public Welfare - Davisville Nursery & Daycare 54 - Residential 64 - Address Not Listed 66 - Residential 78 - Residential 95 - Residential	1909 - Perkins Real Estate 1915 - The Embassy Restaurant 1919 - Gunther & Karl Hair Stylist - Czipras Shoe Repair 1925 - Hoopers Drug Store - Davisville Post Office 1927 - The Ski Shop 1941 - Speedy Muffler King 1951 - Millwood Texaco Service Station - Elms Ltd Service Station	25 - Multi Tenant Residential 31 - Address Not Listed 33 - Address Not Listed 77 - Address Not Listed 87 - Address Not Listed	

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1965	Davisville Public School Metropolitan Toronto School for the Deaf	21 - Residential 40 - Residential 41 - Dept Public Welfare - Davisville Nursery & Daycare 54 - Residential 64 - Address Not Listed 66 - Residential 78 - Residential 95 - Residential	1909 - Perkins Real Estate 1915 - The Embassy Restaurant 1919 - Gunther & Karl Hair Stylist - Johnson Custom Shoes 1925 - Hoopers Drug Store - Davisville Post Office 1927 - Toronto Ballet School 1941 - Speedy Muffler King 1951 - Millwood Texaco Service Station	25 - Multi Tenant 31 - Residential 33 - Vacant 77 - Residential 87 - Residential
1960	Address Not Listed	21 - Residential 40 - Residential 41 - Address Not Listed 54 - Residential 64 - Address Not Listed 66 - Residential 78 - Residential 95 - Residential	1909 - Hodgson Co Ltd Mfgs Agts 1915 - Vacant 1919 - La Rivera Coiffure Hairdressing 1925 - Hoopers Drug Store - Davisville Post Office 1927 - Toronto Ballet School 1941 - Bell Telephone Garage 1951 - Millwood Texaco Service Station	25 - Multi Tenant Residential 31 - Residential 33 - Residential 77 - Residential 87 - Residential

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Addresses	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1955	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Grainger’s Flowers 1915 – Price’s Grill 1919 – Davis Men’s Furnishings – Johnson Custom & Orthopedic Shoes 1925 – Hoopers Drug Store - Davisville Post Office 1927 – Toronto Ballet School 1941 – Bell Telephone Garage 1951 – Favere Service Station	25 – Residential 31 – Residential 33 – Residential 77 – Residential 87 – Residential	
1950	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Grainger’s Flowers 1915 – Price’s Grill 1919 – Davis Men’s Furnishings - Johnson Custom & Orthopedic Shoes 1925 – Hoopers Drug Store - Davisville Post Office 1927 – Toronto Ballet School 1941 – Icelandia Ice Skating Rink 1951 – Smith’s Service Station	25 – Residential 31 – Residential 33 – Residential 77 – Residential 87 – Residential	

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Addresses	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1944	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Davis Grocers 1915 – Price’s Grill 1919 – Davis Men’s Furnishings –Johnson Custom & Orthopedic Shoes 1925 – Hoopers Drug Store - Davisville Post Office 1927 –Casey’s Grocery 1941 – Icelandia Ice Skating Rink 1951 – Vacant	25 – Residential 31 – Residential 33 – Residential 77 – Residential 87 – Residential	
1939	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Davis Grocers 1915 – Price’s Confy 1919 – Davis Men’s Furnishings - Whitmore Lingerie 1925 – Hoopers Drug Store - Davisville Post Office 1927 –Residential 1941 – MacKinnon Motor Sales Ltd 1951 – MacKinnon Motor Sales Ltd	25 – Residential 31 – Residential 33 – Residential 77 – Residential 87 – Residential	
1934	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Davis Grocers 1915 – Lowery Barber 1919 – Davis Men’s Furnishings - Whitmore Lingerie 1925 – Hoopers Drug Store - Davisville Post Office 1927 –Residential 1941 – Mack Trucks of Canada Ltd 1951 – McColl Frontenac Service Station	25 – Residential 31 – Residential 33 – Residential 77 – Residential 87 – Residential	

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
Addresses				
1929	Address Not Listed	21 – Residential 40 – Residential 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Residential 78 – Residential 95 – Residential	1909 – Davis Grocers 1915 – Lowery Cigars 1919 – Davis Men’s Furnishings & Shoes 1925 – Hoopers Drug Store 1927 – Residential 1941 – Mack Trucks of Canada Ltd 1951 – Knapp’s Service Station	25 – Residential 31 – Residential 33 – Residential 77 – Address Not Listed 87 – Residential
1924	Address Not Listed	21 – Residential 40 – Address Not Listed 41 – Address Not Listed 54 – Residential 64 – Address Not Listed 66 – Brown Chiropractor 78 – Residential 95 – Residential	1909 – Davis Grocers, Flour & Feed 1915 – Address Not Listed 1919 – Davis Men’s Furnishings & Shoes 1925 – Porter Druggist 1927 – Residential 1941 – Address Not Listed 1951 – Address Not Listed	25 – Residential 31 – Residential 33 – Residential 77 – Address Not Listed 87 – Residential
1919	Address Not Listed	21 – Address Not Listed 40 – Address Not Listed 41 – Address Not Listed 54 – Address Not Listed 64 – Address Not Listed 66 – Address Not Listed 78 – Address Not Listed 95 – Address Not Listed	1909 – Davis Grocers 1915 – Address Not Listed 1919 – Address Not Listed 1925 – Porter Druggist 1927 – Residential 1941 – Address Not Listed 1951 – Imperial Bank of Canada	25 – Residential 31 – Residential 33 – Address Not Listed 77 – Address Not Listed 87 – Residential

Year	43 Millwood Road (Phase I Property)	Millwood Road (North of Phase I Property)	Yonge Street (West of Phase I Property)	Davisville Avenue (South of Subject Site)
1914	Address Not Listed	21 – Address Not Listed 40 – Address Not Listed 41 – Address Not Listed 54 – Address Not Listed 64 – Address Not Listed 66 – Address Not Listed 78 – Address Not Listed 95 – Address Not Listed	1909 – Address Not Listed 1915 – Address Not Listed 1919 – Address Not Listed 1925 – Address Not Listed 1927 – Address Not Listed 1941 – Address Not Listed 1951 – Address Not Listed	25 – Residential 31 – Residential 33 – Address Not Listed 77 – Address Not Listed 87 – Vacant
1909 and 1904	Street Not Listed	Street Not Listed	1909 – Address Not Listed 1915 – Address Not Listed 1919 – Address Not Listed 1925 – Address Not Listed 1927 – Address Not Listed 1941 – Address Not Listed 1951 – Address Not Listed	Street Not Listed



4.1.6 Previous Environmental Reports

An Asbestos Management Plan report was provided to Soil Probe for review. The Asbestos Building Materials Reassessment Survey was completed by ECOH Management Inc. on October 2013. Several follow up reports have been completed by Pinchin Ltd. and Safetech Environmental Ltd. This confirms that asbestos containing material did/does exist on the Phase I Property and some remediation has been completed.

4.2 ENVIRONMENTAL SOURCE INFORMATION

A search of records for federal, provincial and private databases pertaining to the Phase I Property and surrounding properties within the Phase I Study Area were conducted by EcoLog ERIS.

A copy of the EcoLog ERIS report is presented in **Appendix C**.

A summary of the information gathered from the environmental sources is provided in **Table G**.

Table G: Summary of Environmental Source Information

Parameters	Information
EcoLog ERIS Search	<ul style="list-style-type: none"> • National Pollutant Release Inventory (NPRI) information maintained by Environment Canada; • PCB information maintained by the Ontario MOECC; • Environmental Compliance Approvals, Permits To Take Water (PTTW), certificate of property use; • Records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspection maintained by the MOECC; • Waste management records; • Retail fuel storage tank information maintained by the TSSA; • Records of Site Condition; • Waste Disposal Sites Registry; • Coal Gasification Plants inventory maintained by the MOECC; • Reports Submitted to the MOECC (other than RSCs); and • Map of Areas of Natural Significance.

Parameters	Information
Number of EcoLog ERIS Listings for the Phase I Property	There were fifteen (15) listings for the Phase I Property
Number of EcoLog ERIS Listings for the Phase I Study Area	There were 188 listings for the Phase I Study Area

Due to the volume of listing, only significant findings have been prepared and presented in **Table H**. The entire Ecolog ERIS search can be found in **Appendix C**.

Table H: EcoLog ERIS Search Summary

Category	Location	Details
Generator	Phase One Property	<ul style="list-style-type: none"> • PCB Generator • Heavy Metals Generator • Paint Pigment, Coating Generator • Inorganic Chemicals Generator • Heavy Fuels Generator • Organic Chemicals Generator
Tank	1951 Yonge Street	Up-Gradient to Phase I Property Service Station Between one (1) to three (3) gasoline tanks were present in the past in the years 1923, 1924, 1930 and 1931.

Soil Probe weighed the significance of the listing based on potential environmental contribution to the Phase I Property. Soil Probe acknowledges that the listings may be weighted differently by others and by a variant point system. The purpose of displaying the information is to identify potential environmental concerns associated with the Phase I Property. All the information in the Ecolog ERIS report was reviewed for the purpose of assessing the potential impacts to the Phase I Property.

4.2.1 Hazardous Waste Information Network (HWIN)

The Hazardous Waste Information Network (HWIN) is a web-based database that allows generators, carriers, and receivers to register their activities online with the MOECC.

HWIN enables users to pay the generator registration fee and to create and process electronic manifests online.

The HWIN database has revealed multiple registered generator numbers for the Phase I Property.

4.2.2 Provincial Records Database

A Freedom of Information (FOI) request was filed to obtain information with respect to any control orders, violation notices, or other environmental concerns with the MOECC. A response has not yet been received. The results of the FOI request may alter the conclusion of this Phase I ESA report. The submitted form can be found in **Appendix D**.

4.3 PHYSICAL SETTING SOURCES

4.3.1 Aerial Photographs

Historical Aerial Photographs from various sources were reviewed. Copies of the aerial photographs are presented in **Appendix B**.

Aerial photographs of the Phase I Property and surrounding areas were retrieved from the City of Toronto website (1947, 1953, 1957, 1962, 1971, 1983 and 1992), and Google Earth imagery (2002, 2005, 2007 and 2012). These documents provide a visual record of the physical conditions of the Phase I Property.

An approximate interval of 5 to 10 years was selected from the available aerial photographs and satellite imagery to best capture the changes on the Phase I Property. The development of the Phase I Property and Phase I Study area, based on information from the aerial photographs and satellite imagery, is presented in **Table I**.

Table I: Aerial Photograph and Satellite Imagery Summary

Year	Phase I Property	Phase I Study Area
1947	The Phase I Property is vacant on the northern side and a structure exists on the southern side. It is speculated that the structure is associated with the school at	The surrounding area is developed with residential and commercial property use similar to today. A cemetery is clearly visible south of the Phase I Property.

Year	Phase I Property	Phase I Study Area
	this time. The Phase I Property only occupies approximately 50% of the space it does when compared to 2015.	
1953	The Phase I Property is similar to the description from the 1947 aerial photograph.	The surrounding area is developed with a new railway and associated building located west and southwest of the Phase I Property.
1957	The Phase I Property is similar to the description of the 1953 aerial photograph.	The surrounding area is developed. The railway is more defined, which may be attributed to additional infrastructure reworking between 1953 and 1957.
1962	The Phase I Property encompasses a larger plot of land, similar to that of 2015. A larger school has been constructed along the northern side. A vacant area is noted on the southeast side of the Phase I Property.	New high-rise buildings southwest of the Phase I Property. The surrounding area continues to be heavily developed similar to 2015.
1971	The building that was located on the southwest side is no longer visible. A soccer field has replaced the same area.	The area to the south of the Phase I Property has been developed with high rise buildings replacing the previous single dwelling residential homes.
1983	The Phase I Property is similar to the 1971 aerial photograph.	The surrounding area is similar to the 1971 aerial photograph.
1992	The soccer field is no longer visible. It appears to have been replaced with a baseball diamond.	The surrounding area is similar to the 1983 aerial photograph.
2002	The Phase I Property is similar to the 1992 aerial photograph.	The surrounding area is similar to the 1992 aerial photograph.
2005	The Phase I Property is similar to the 2002 aerial photograph.	The surrounding area is similar to the 2002 aerial photograph.
2007	The Phase I Property is similar to the 2005 aerial photograph.	The surrounding area is similar to the 2005 aerial photograph.
2012	The Phase I Property is similar to the 2007 aerial photograph.	The surrounding area is similar to the 2007 aerial photograph.

4.3.2 Topography, Hydrology, Geology

The topography, hydrology and geology are summarized in **Table J**.

Table J: Summary of Topography, Hydrology and Geology

Parameters	Information
Location	Toronto
Surficial Geology	Halton Till – Clayey Silt Till
Soil	Peel Clay
Physiography	Till Plain
Bedrock Geology	Georgian Bay Formation- Shale, Limestone, Dolostone, Siltstone
Depth to Bedrock	Based on the bedrock map for the Metropolitan Toronto bedrock can be assumed to be deeper than 59.0 m.
Topography	The general area of the Phase I Study Area is sloping south/ southeast between 160 m to 150 m above sea level.
Radon	The Phase I Property is not situated in the four (4) known radon gas areas noted in the Ontario Geological Survey, Soil Gas Study of Southern Ontario, 1993, Open File Report 5847.
Body of Water	<p>The two (2) closest surface bodies of water are:</p> <ol style="list-style-type: none"> 1) The Mud Creek located approximately 1,000 m southeast of the Phase I Property; and, 2) The Yellow Creek located approximately 970 m south of the Phase I Property. <p>The Davisville Reach is reported to be approximately 400 m east of the Phase I Property. Overtime, this water body has been reworked during the infrastructure changes of Toronto. It is still believed that this may influence the local ground water flow direction.</p>
Ground Water Table	The shallow ground water table is expected to be encountered approximately 0.4 m to 0.6 m below the ground surface.
Direction of Ground Water Flow	The local ground water is expected to flow in the eastern/southeastern direction towards the Davisville Reach.

4.3.3 Fill Materials

Based on the information provided by the Site Representative and others, it has been reported that they have no recollection of any disturbance of soil in the last ten (10) years. However, for the purpose of the school construction, it is possible that some fill was used, though it is not known whether the fill originated from the Phase I Property or was imported.

4.3.4 Water Bodies and Areas of Natural Significance

The two (2) closest surface bodies of water are:

- 1) The Mud Creek located approximately 1,000 m southeast of the Phase I Property; and,
- 2) The Yellow Creek located approximately 970 m south of the Phase I Property.

The Davisville Reach is reported to be approximately 400 m east of the Phase I Property. Overtime, this water body has been rechanneled during the infrastructure changes of Toronto. It is still believed that this may influence the local ground water flow direction.

Based on the City of Toronto Official Plan, there are no areas of natural significance within the Phase I Study Area.

4.3.6 Technical Standards and Safety Authority Records

A written request was made with the Technical Standards and Safety Authority (TSSA) for additional information regarding any Underground Storage Tanks (USTs), Aboveground Storage Tanks (ASTs), leak or spills with respect to the Phase I Property. In a response received on June 11, 2015, it was revealed that there were no records of any storage tanks associated with the Phase I Property. A copy of this correspondence is presented in **Appendix F**.

5.0 INTERVIEWS

A summary of the interview is provided in **Table L**.

Table L: Summary of Interview

Parameters	Information
Interviewee	Mr. Patrick McCarthy Head Caretaker Knowledgeable Person (Site Representative) Two (2) years of knowledge of the Phase I Property Extensive knowledge of the mechanical rooms and building operations
Interviewer	Winston Lew, P. Eng. Environmental Engineer for Soil Probe Ltd.
Interview Type	In person at the Phase I Property
Interview Date and Time	May 20, 2015 – 8:00 am to 10:00 am 15°C and Sunny
Interview Details	The interviewee had reported the following: <ul style="list-style-type: none"> • The current school was built in the 1960s; • Most of the building is original to the date of construction; • The school has three (3) floors a basement and sub-basement; • The sub-basement houses the two (2) large steam boilers (total capacity of 2943 kW), water heaters, an inoperable incinerator and hydraulic elevator; • The school does not have an air conditioning unit; • The school does not have a humidification system; • There are various fresh air intake units throughout the building that supply conditioned air into the school. The filters are changed every three (3) to four (4) months; • There are no emergency generators at the school; • There are no known storage tanks at the school; • There are no known environmental violations or orders for the school; • The school is supplied by the municipality for drinking water, sewage and storm; • The school used to have a grease trap; • There are no oil and water separators; • There are five (5) sump systems throughout the school, one (1) was observed throughout the site reconnaissance, the others were reported to be a similar design; • There are no transformers in the school, there is hydro vault near the perimeter of the school, however school staff does not have access to the vault;

	<ul style="list-style-type: none"> • Watermain related work was carried out approximately ten (10) years ago, which is the last known incident of soil disturbance at the school that could be recalled; • There were two (2) air compressors in the sub-basement; • There were various types of tiles throughout the school that have been replaced as part of minor maintenance; • An Asbestos Management Program was provided to Soil Probe for review; and, • A document which provides the History of Davisville Public School was provided for Soil Probe’s review.
<p>Evaluation of Interview</p>	<p>The school does appear to have been constructed in the 1960s based on aerial photographs. Documentation was provided that a UST did exist on the Phase I Property, however it was removed in 1992. No environmental report was provided that assesses the environmental suitability of the soil at the time of tank removal. The historical search indicates the generation of PCBs, however there are no transformers or any other equipment at the school that used PCB at the time of the site visit. It is possible that any use of the PCB has been removed in the past.</p>

6.0 SITE RECONNAISSANCE

6.1 GENERAL INFORMATION

A summary of the site reconnaissance is provided in **Table M**.

Table M: Summary of Site Reconnaissance

Parameters	Information
Date and Time	May 20, 2015 from 8:00 am to 10:30 am
Assessor	Winston Lew, P. Eng.
Weather Conditions	15°C and Sunny
Details of Site Reconnaissance	<p>The site reconnaissance has identified the following:</p> <ul style="list-style-type: none"> • The sub-basement that housed the two (2) large boilers was inspected first. The documentation associated with the boiler was provided for review which presented the total capacity as 2943 kW; • The hydraulic cage where the hydraulic oil is used for the elevator was also inspected. The equipment appeared to be in

Parameters	Information
	<p>relatively good condition and well maintained with no significant signs of spills or leaks;</p> <ul style="list-style-type: none"> • A large bricked structure existed in the sub-basement. It was reported to be a garbage incinerator that was used in the past, but is inoperable. When asked if the structure was properly decommissioned, it was not known whether it had been or not; • The incinerator leads to a large brick chimney that exits at the roof. It is not known at this time whether the chimney is being used for any other purposes or if it has been decommissioned; • The sub-basement appeared to be in good condition and well maintained with no signs of significant staining or odours; • An inspection of a typical classroom was carried out to determine the heating and cooling distribution. Heating is supplied through baseboards with return air supplied through a wall or ceiling grid. There is no air conditioning, so the teachers open windows during the warmer seasons; • Various different types of tiles were observed on the floor, which were due to minor maintenance. Based on the age of the building, it is possible that the original vinyl tiles consist of asbestos; • Some areas had carpeted floors; • An inspection of one of the Heating, Ventilation and Air Conditioning (HVAC) units was carried out. The system uses filters and forced air drawn from near the roof to provide conditioned air throughout the building. The filters are reported to be changed three (3) to four (4) times a year; • Based on the age of the building, the presence of lead, mercury in thermostats, PCB ballasts, asbestos and other hazardous materials is possible; and, • There were no roof top units due to the obscure level of the roof. The brick chimney does extend past the roof.
Photographs	Photographs of the hydraulic cage, elevator, HVAC unit, boilers, incinerator and roof are presented in Appendix A .
Comparison to Historical Searches	The subject site was observed to be similar to that described in the historical searches.

*Observations in Table M represent those at the time of the site reconnaissance on May 20, 2015.

6.2 SPECIFIC OBSERVATIONS AT PHASE I PROPERTY

The Phase I Property is rectangular shaped, 1.6 hectare (4.0 acre) of land. The Phase I Property is located between Millwood Road and Davisville Avenue.

6.2.1 Storage Tanks and Containers

No fill or vent pipes were observed on the subject site at the time of the site reconnaissance that would indicate the existence of an Underground Storage Tank (UST). There was no evidence of any Aboveground Storage Tanks (ASTs).

The Client has provided a schedule which indicated that a storage tank was removed in 1992, however there were no documentation to verify the condition of the tank and the environmental suitability of the soil from the tank nest. It is suspected that the UST was located near the sub-basement area, most likely near the currently existing natural gas pipelines entering the building.

6.2.2 Potable and Non-Potable Water Source

The Site Representative informed Soil Probe that the Phase I Property is municipally serviced by the City of Toronto.

6.2.3 Underground Utility and Service Corridors

Underground utilities are suspected to exist on the Phase I Property such as gas, water, sanitary and some hydro.

There were no service corridors observed during the site reconnaissance.

6.2.4 Features of Structures and Buildings

As described in **Section 6.2**, the subject site is currently occupied by a school. A summary of the features of structures and building is presented in **Table N**.

Table N: Summary of the Features of Structures and Buildings

Parameter	Details
Exit and Entry Points	The main entry access point is from the north side of the building from Millwood Road.
Heating System	The heating system uses forced conditioned air with no humidification system. There are two (2) large steam boilers that also use steam to heat the school.
Cooling System	No cooling systems. The Site Representative has indicated that the school does not have a cooling system. This is because the school is seldom used during the summer seasons.
Drains, Pits and Sumps	There are five (5) sump pumps located in the sub-basement of the school. All five (5) were reported to be operational.
Unidentified Substances	None Observed A detailed hazardous materials survey will be required to provided a more detailed conclusion
Floor Stains and Corrosions	The hydraulic equipment near the elevator was in good condition, with minor staining.
Hazardous Materials	Based on the age of the building, it is suspected that hazardous materials exist as part of building materials in the school. A hazardous materials survey will be required to assess the condition and proper removal (if required) of these building materials.
Mechanical Equipment	The Phase I Property has two (2) large natural gas fired steam boilers, one (1) garbage incinerator (not in use), hot water heaters, compressors, five (5) sump pumps and HVAC units throughout the school.
Odours	None Detected
Noise	No significant noise levels detected

*Observations in Table N represent those at the time of the site reconnaissance on May 20, 2015.

6.2.5 Exterior Features of the Phase I Property

A summary of the exterior features of the Phase I Property is presented in **Table O**.

Table O: Summary of the Exterior Features of the Phase I Property

Parameter	Details
Water Supply Source	The Phase I Property is municipally serviced.
Sewage Work	The Phase I Property is municipally serviced.
Ground Cover	The building occupies approximately 20% of the Phase I Property. The remaining area is paved for parking/play area, there are some grassy areas, a playground and baseball field.
Railway Lines and Spurs/Right of Ways	No railway lines and spurs/right-of-ways were observed on the Phase I Property, however, a railway line is present west of the subject site.
Areas of Stained Soil, Vegetation or Pavement	There were no stained soils, vegetation or pavement at the Phase I Property during the site reconnaissance.
Stressed Vegetation	There were no areas of stressed vegetation observed during the site reconnaissance.
Fill and Debris Material	It is most likely that fill material has been used at the Phase I Property. It cannot be confirmed whether the fill originated from the Phase I Property or was imported to the subject site.
Waste/Solid Waste Disposal	Waste and solid waste disposal is removed off-site by the municipality.
Potentially Contaminating Activity	<ul style="list-style-type: none"> • Potential contamination from the ash of the garbage incinerator; and, • Potential contamination from the use of fill of unknown quality.
Air Emissions	<p>A stack is in operation for the two (2) large boilers. The emissions are vented through a chimney located on the roof the building.</p> <p>An Environmental Compliance Approval (ECA) or an Environmental Activity and Sector Registry (EASR) may be required.</p>

*Observations in Table O represent those at the time of the site reconnaissance on May 20, 2015.

6.2.6 Enhanced Investigation of the Phase I Property

The Phase I Property has not been used as a gasoline service station, automotive repair garage, dry cleaning facility or for industrial land use. Therefore, an enhanced investigation was not required.

6.2.7 Other Special Attention Items on the Surface of the Phase I Property

A summary of the special attention items for the Phase I Property is provided in **Table P**.

Table P: Summary of Other Special Items on the Surface of the Phase I Property

Parameter	Details
Polychlorinated Biphenyls (PCBs)	Based on the age of the building, it is more than likely that PCBs exists at the Phase I Property.
Asbestos Containing Material (ACMs)	Based on the age of the building, it is more than likely that ACMs exists at the Phase I Property in building materials such as lay-in ceiling tiles, fire-proofing, vinyl tiles, gaskets on boilers and piping.
Lead	Based on the age of the building, it is more than likely that Lead exists at the Phase I Property in the paints and sodder for copper pipes.
Ozone Depleting Substances (ODSs)	ODSs is less likely to be a concern due to the lack of any cooling systems in the Phase I Property.
Silica	Based on the age of the building, it is more than likely that Silica may exist at the Phase I Property.
Urea Formaldehyde Foam Insulation (UFFI)	Based on the age of the building, it is more than likely that UFFI may exist at the Phase I Property.
Radon	Radon gas emission is not suspected to be an environmental concern at the Phase I Property.
Mould	There were no signs of water damage or mould at the time of the site reconnaissance.
Mercury	Based on the age of the building, it is more than likely that Mercury may exist at the Phase I Property in the thermostats and instruments on the boilers.

*Observations in Table P represent those at the time of the site reconnaissance on May 20, 2015.

6.2.8 Activities on Adjacent Properties

A summary of the activities on the adjacent properties is provided in **Table Q**.

Table Q: Summary of Activities on Adjacent Properties

Parameter	Details
North	Residential
East	Residential
South	Multi Tenant Residential
West	Commercial and Railway

*Observations in Table Q represent those at the time of the site reconnaissance on May 20, 2015.

6.3 WRITTEN DESCRIPTION OF INVESTIGATION

6.3.1 Investigation Details

Soil Probe carried out historical searches of the Phase I Property and the Phase I Study Area. In addition a site reconnaissance was carried out at the Phase I Property to document, in detail, all areas of the subject site. The Phase I Property is occupied by a school that is fully operational throughout most of the year. The school is a three (3) story structure with a basement and sub-basement. A walkthrough of the interior of and exterior of the school was carried out.

Based on the information obtained during the Phase I ESA site reconnaissance, the following PCAs may be present at the subject site:

- Soil and ground water impacts due to the past use of the garbage incinerator;
- Soil and ground water impacts due to the current and past use of the hydraulic elevator with associated oils; and,
- Potential soil and ground water impacts due to the past use of the UST which was removed in 1992, however with no environmental records exist.

The properties within the Phase I Study Area were visually inspected from publically accessible areas to locate and document PCAs, water bodies and areas of natural significance. Selected photographs (Photographs 1 to 12) taken during the site reconnaissance are presented in **Appendix A**.

6.3.2 Investigation Findings

Based on the information obtained during the Phase I ESA records review, site reconnaissance and interview process, the following PCAs may be present at the subject site:

- Ground water impact due to the past existence of a gasoline service station located west (up-gradient) of the Phase I Property; and,
- Soil and ground water impacts due to the past use of PCBs, heavy metals and fuel at the Phase I Property.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 CURRENT AND PAST USES

The Phase I Property has been used as a school since 1860. The Phase I Property remains a school and continues to be used as a school.

7.2 POTENTIALLY CONTAMINATING ACTIVITY

Based on the information collected from various sources, site reconnaissance and interview with the Subject Site Representative, the Phase I Property has been used as a school since the 1860s. PCAs may exist at the subject site, in the soil and ground water due to the operations of school using coal, PCBs and oil. PCAs exist off-site up-gradient to the Phase I Property due to the past gasoline service station. The areas of concern for the subject site are presented in **Drawing 3**.

7.2.1 Evaluation of Information

The purpose of this Phase I ESA was to document and identify any actual or potential environmental concerns associated with the Phase I Property. A Phase I ESA is a study in which such concerns can be documented by reviewing available sources of information, visual inspections and interviewing knowledgeable persons about the Phase I Property.

7.2.2 Uncertainties or Absence of Information

There were no uncertainties or absence of information as the subject site was completely accessible.

Photographs of the Phase I Property were taken for future reference, some of which are presented in **Appendix A**.

8.0 PHASE I ESA CONCLUSION

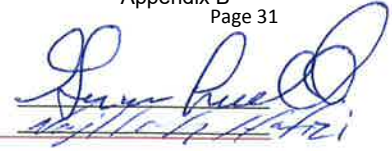
Based on the historical searches, site reconnaissance and interview, it has been determined that a Phase II ESA should be carried out due to the following areas of concern that should be addressed:

- Potential soil and ground water impact due to the past use of an Underground Storage Tank (UST) at the Phase I Property used for heating purposes;
- Potential soil and ground water impact due to the past use of a garbage incinerator at the school;
- Potential soil and ground water impact due to the use of the hydraulic elevator at the school;
- Potential soil and ground water impact due to the historical use of the land since 1860, for the use of coal fired boilers, oil burning and PCB; and,
- Potential ground water impact from off-site sources such as the gasoline service station on Yonge Street.

9.0 ASSESSOR QUALIFICATIONS

Soil Probe provides geotechnical, geo-environmental engineering, environmental sciences and material testing and inspection services. Incorporated in 1986, it operates in Ontario under a Certificate of Authorization issued by PEO and carries both general and professional liability insurance.

Winston Lew, P. Eng. is an Environmental Engineer with Soil Probe Ltd. with over seven (7) years of experience in the environmental consulting field. Mr. Lew has completed various types of Phase I and II ESAs and provided technical support on environmental assessments for a variety of clients.



10.0 LIMITATION AND CLOSURE

This report is subject to the *Statement of Limitations* which forms an integral part of this document. The *Statement of Limitations* is not intended to reduce the level of responsibility accepted by Soil Probe, but rather to ensure that all parties who have been given reliance for this report are aware of the responsibilities each assumes in so doing.

We trust you will find this report to be complete within our terms of reference. Should you have any questions regarding the information contained in the report, or require further assistance please contact the Soil Probe office.

Respectively Submitted,

SOIL PROBE LTD.



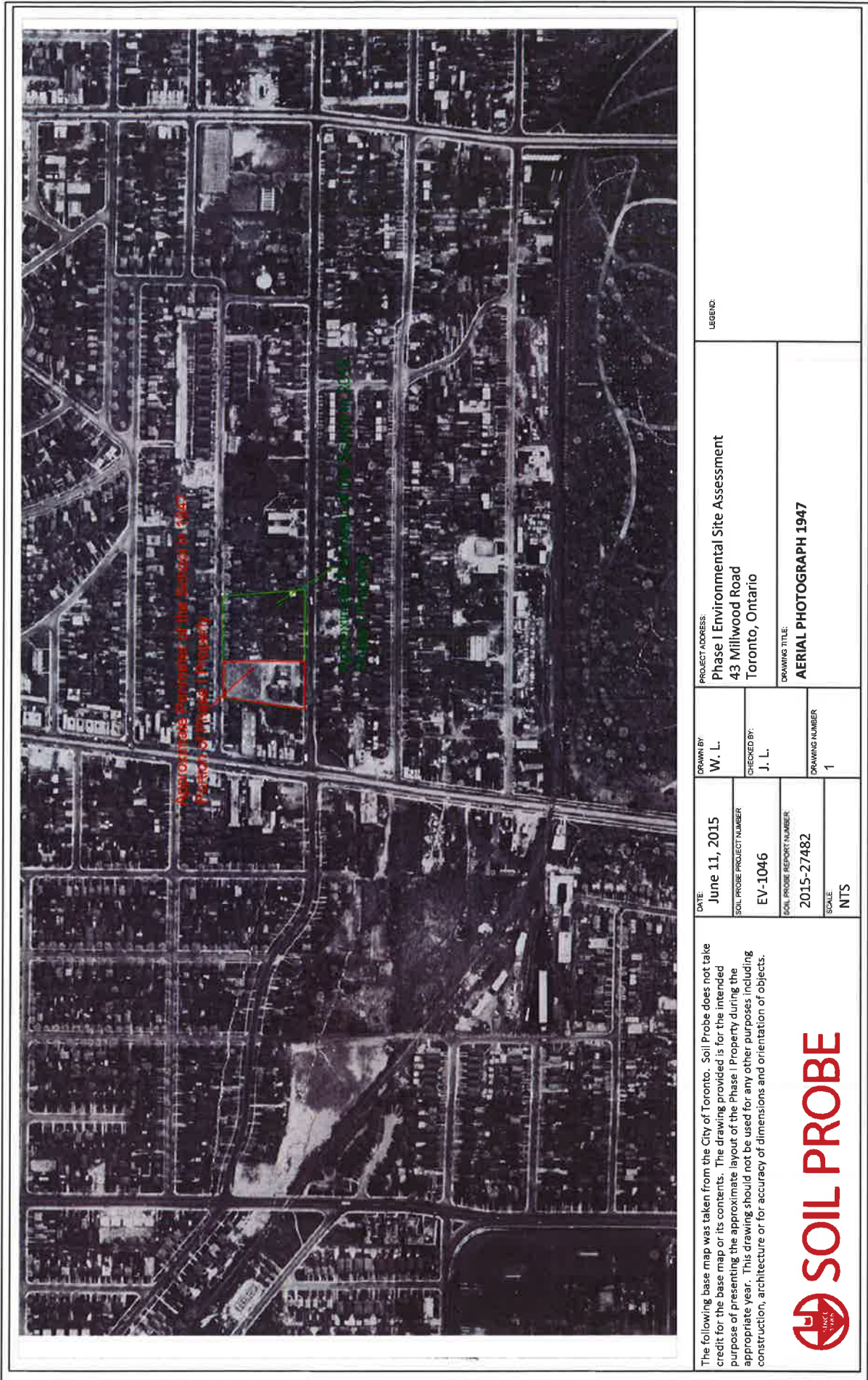
Winston Lew, P.Eng.

WL/vn-jl-nh/ly-td\SHARE15\PHASE I 2015\EV-1046-27482- Toronto Lands Corporation – 43 Millwood Road, Toronto – June 2015

REFERENCES

- Phase I Environmental Site Assessment CSA Standard Z768-01 (Reaffirmed 2012).
- Ontario Regulation 153/04 (as amended)

DRAWINGS



The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



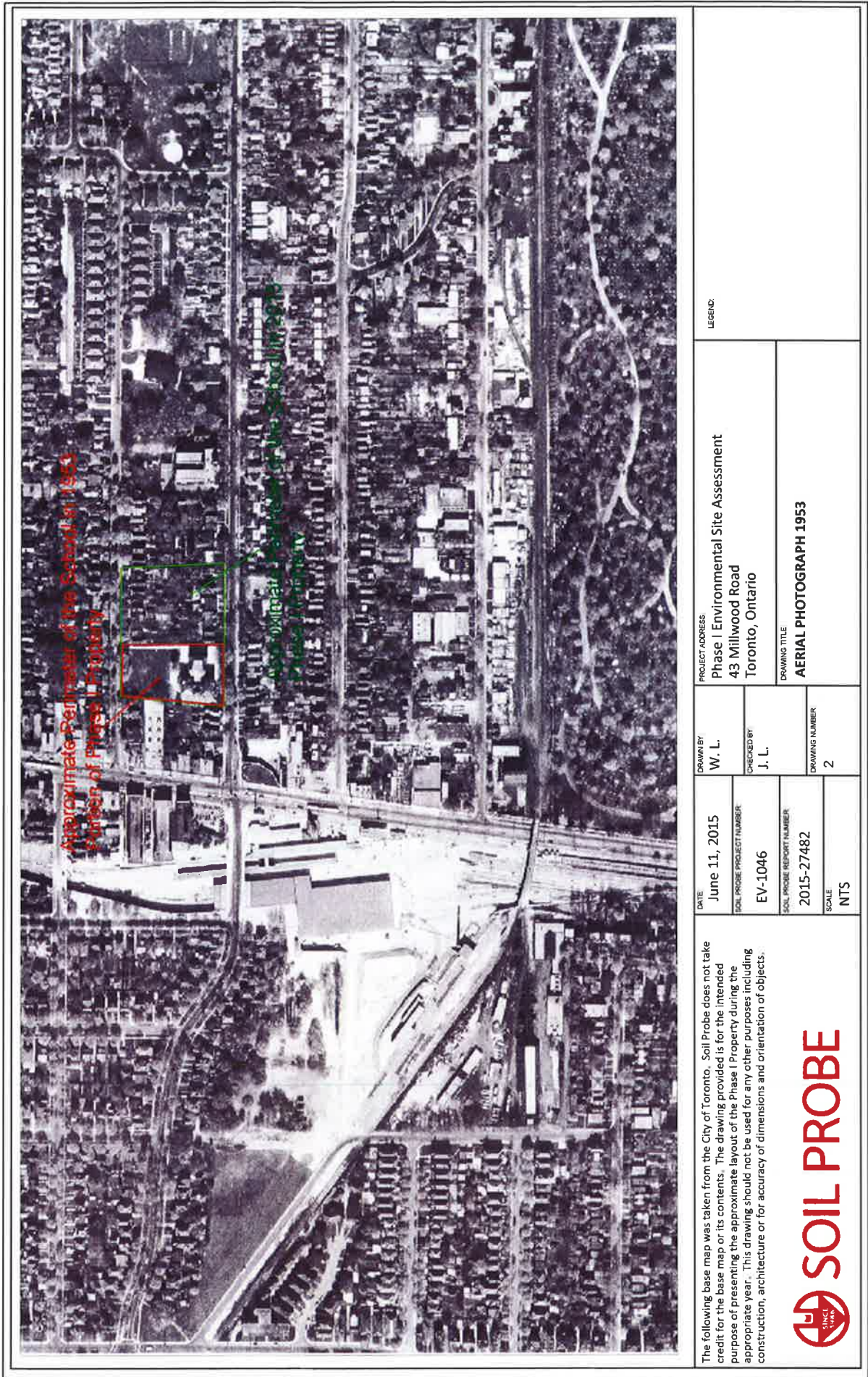
DATE: June 11, 2015
 SOIL PROBE PROJECT NUMBER: EV-1046
 SOIL PROBE REPORT NUMBER: 2015-27482
 SCALE: NTS

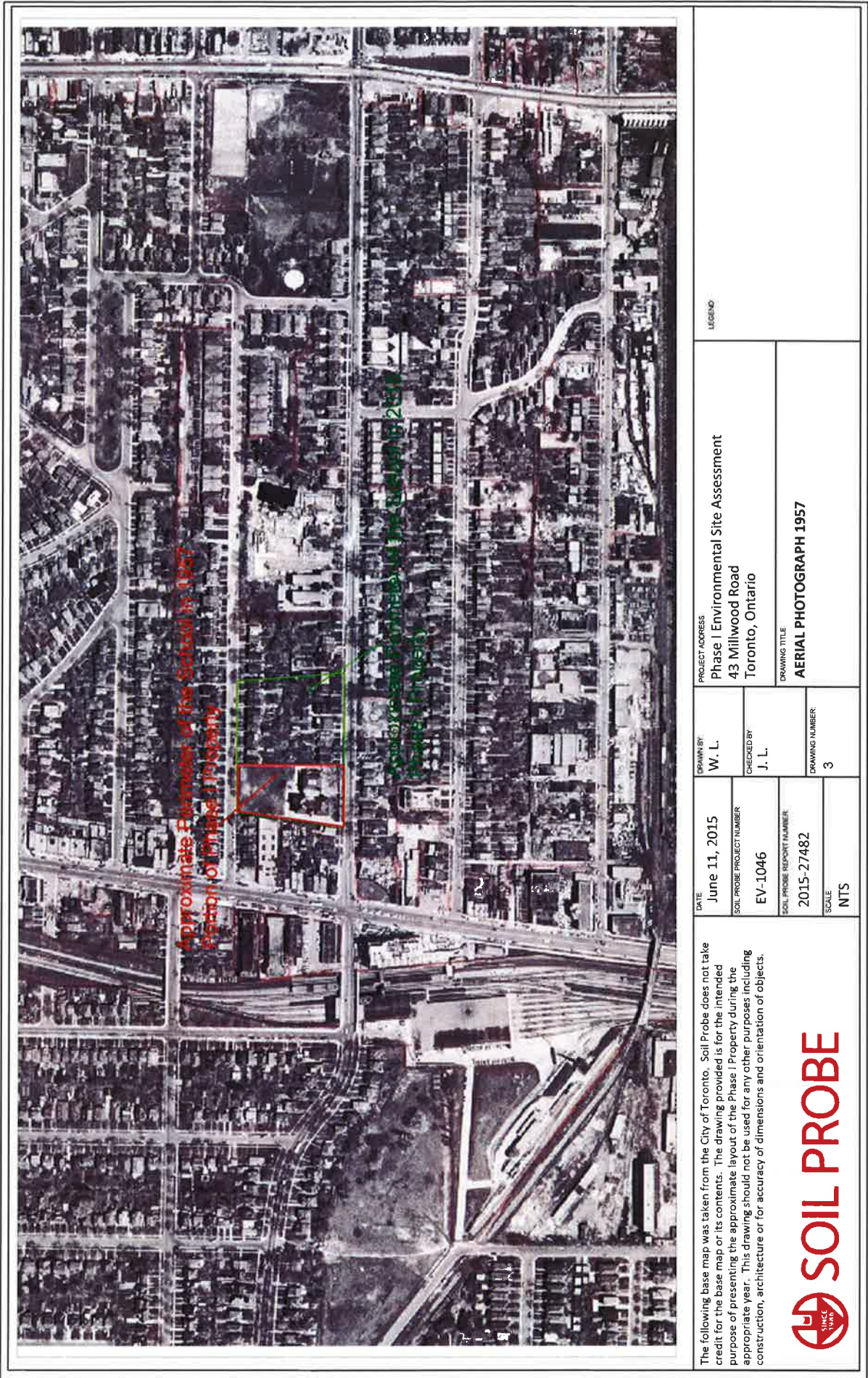
DRAWN BY: W. L.
 CHECKED BY: J. L.
 DRAWING NUMBER: 1

PROJECT ADDRESS:
 Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario

DRAWING TITLE:
 AERIAL PHOTOGRAPH 1947

LEGEND:

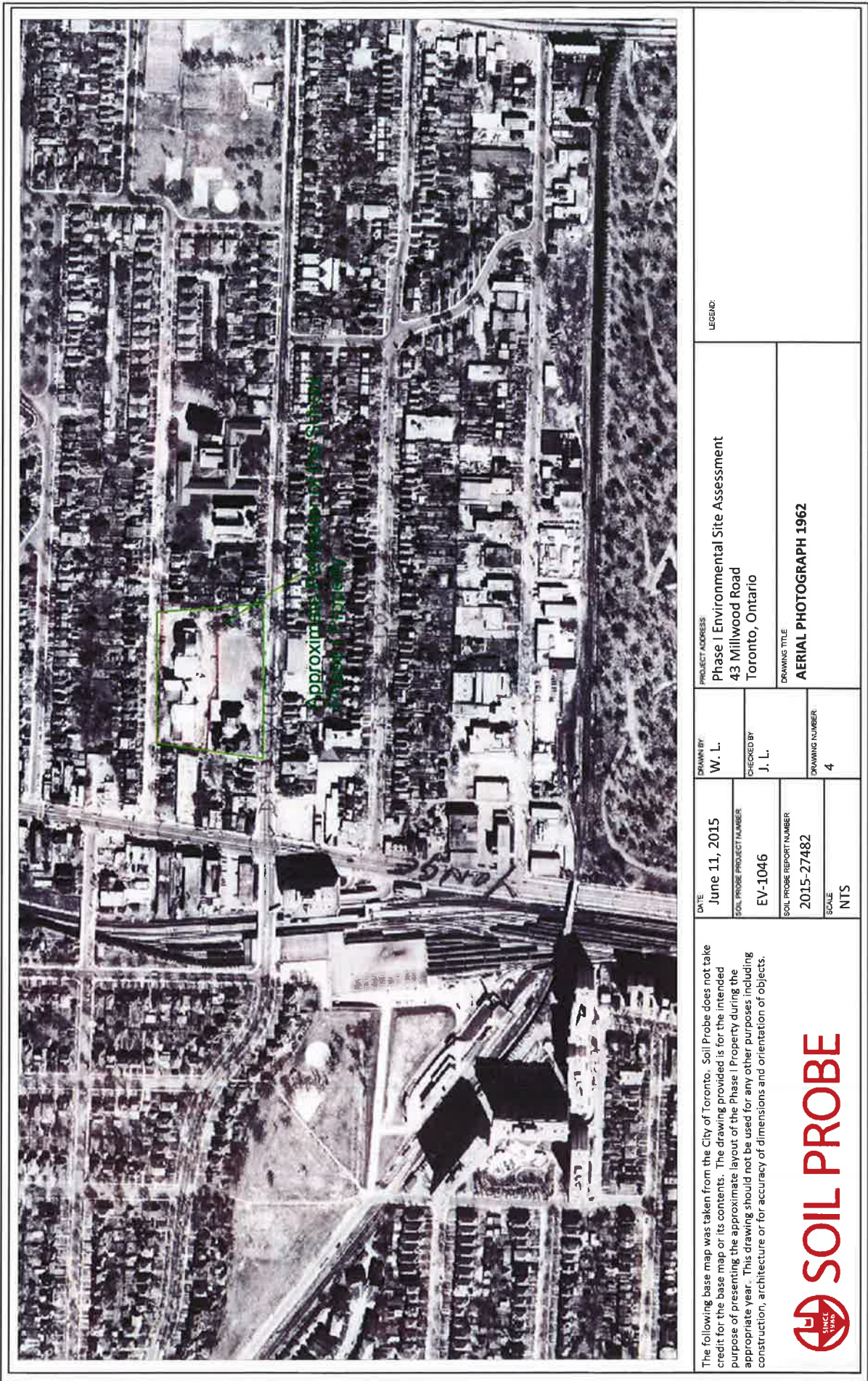




The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



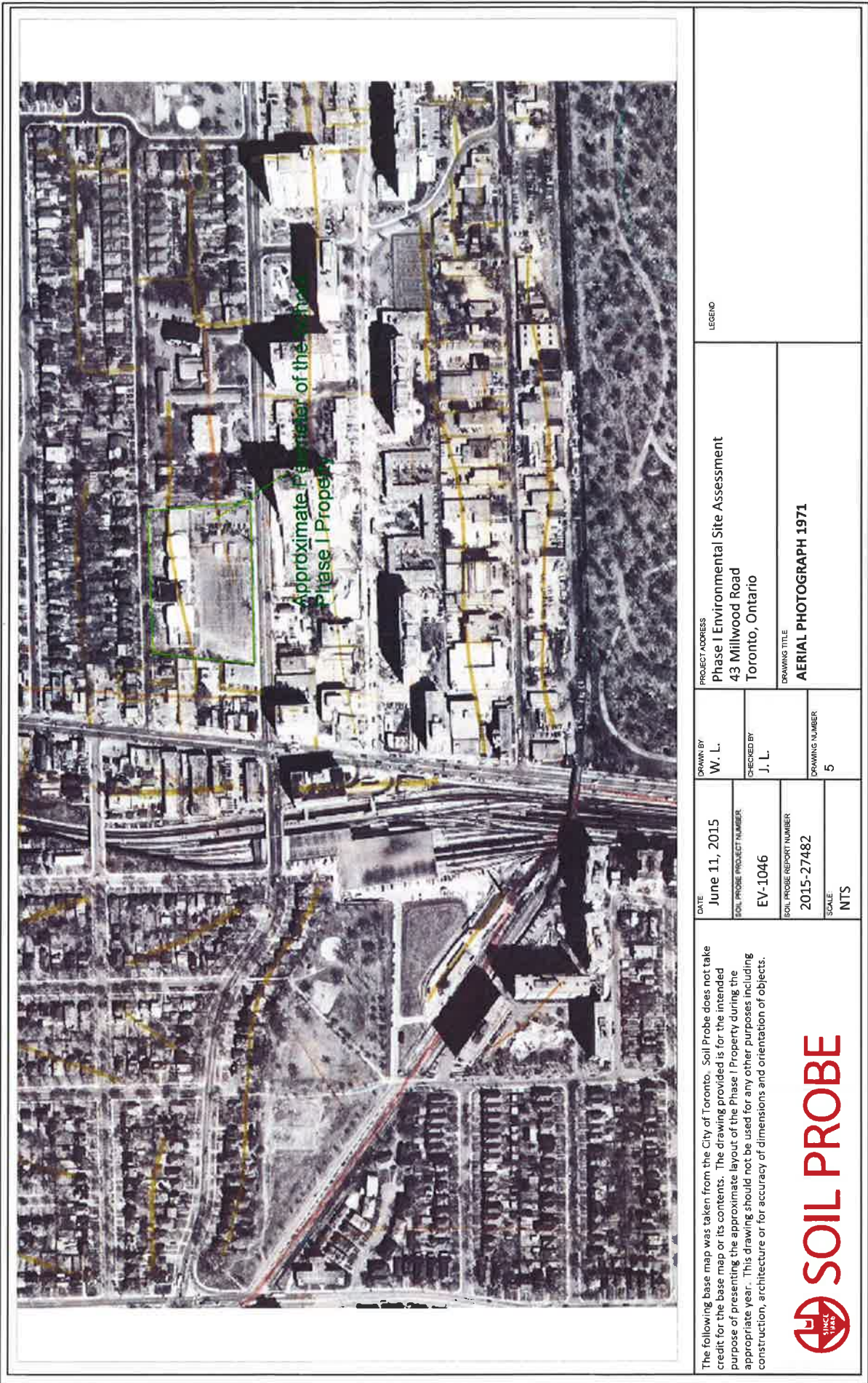
DATE	June 11, 2015	DRAWN BY	W. L.	PROJECT ADDRESS	Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario	LEGEND
SOIL PROBE PROJECT NUMBER	EV-1046	CHECKED BY	J. L.	DRAWING TITLE	AERIAL PHOTOGRAPH 1957	
SOIL PROBE REPORT NUMBER	2015-27482	DRAWING NUMBER:	3			
SCALE	NTS					



The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



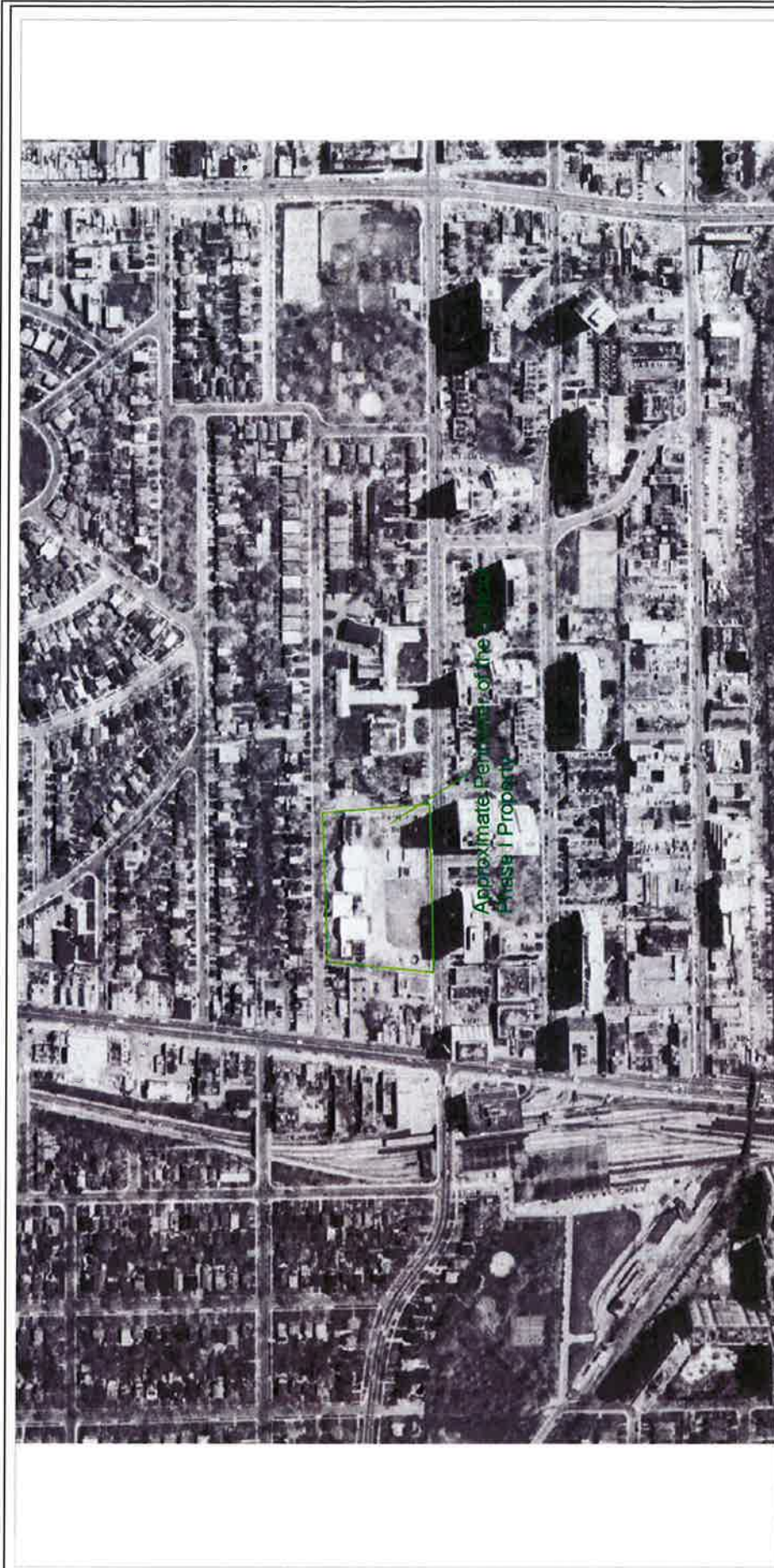
DATE June 11, 2015	DRAWN BY W. L.	PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario	LEGEND:
SOIL PROBE PROJECT NUMBER EV-1046	CHECKED BY J. L.	DRAWING TITLE AERIAL PHOTOGRAPH 1962	
SOIL PROBE REPORT NUMBER 2015-27482	DRAWING NUMBER 4		
SCALE NTS			




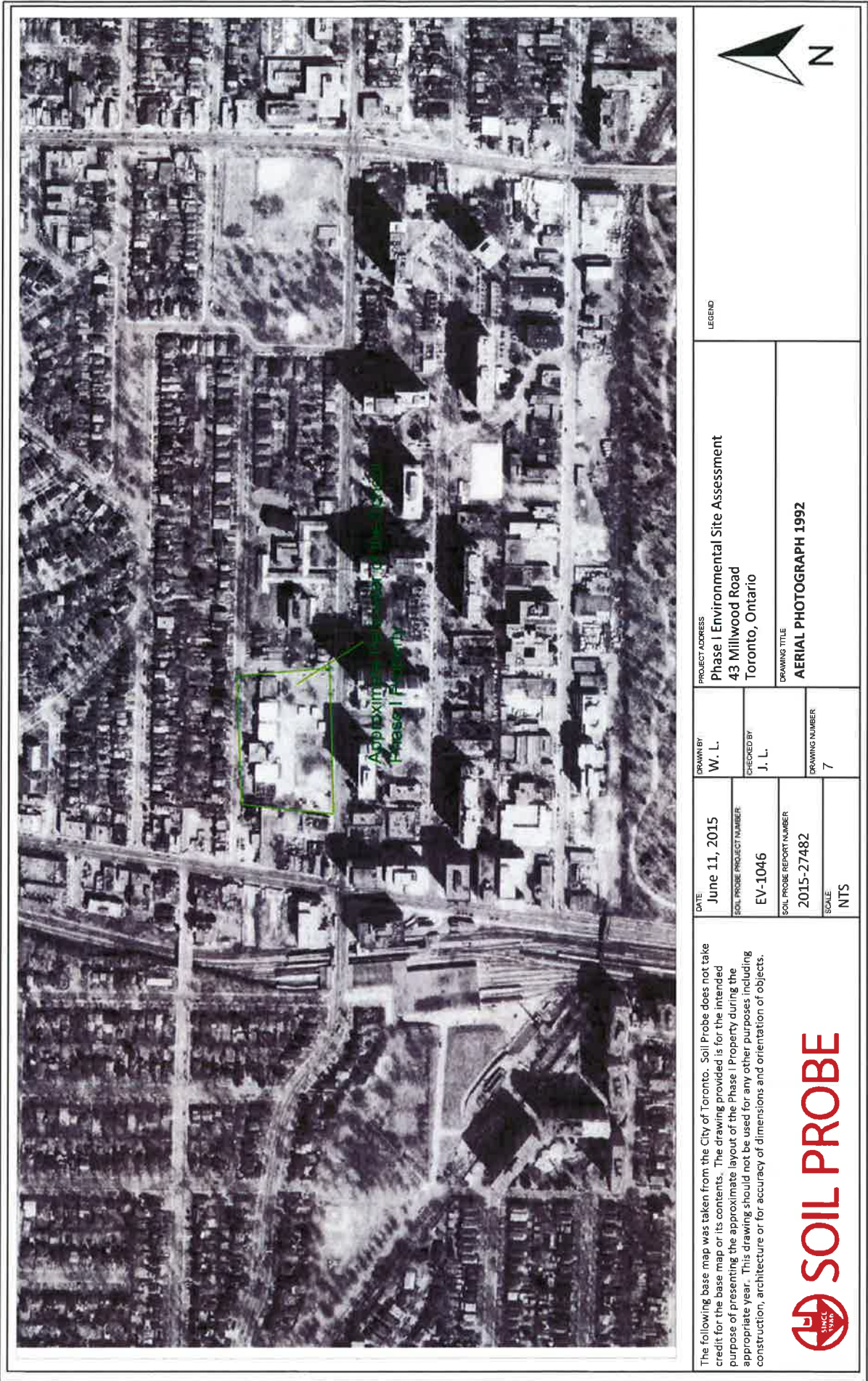
The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.

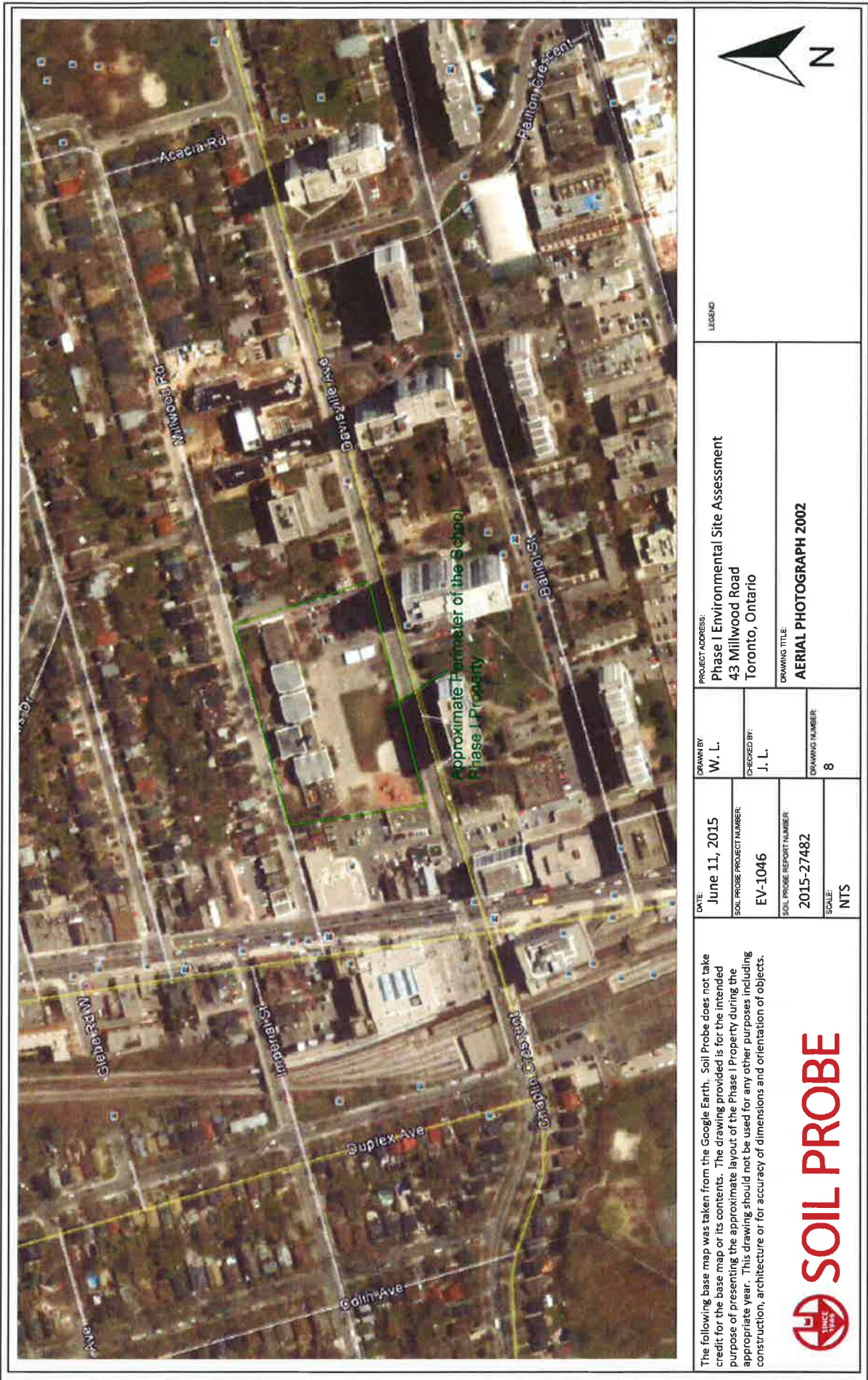


DATE June 11, 2015	DRAWN BY W. L.	PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario	LEGEND
SOIL PROBE PROJECT NUMBER EV-1046	CHECKED BY J. L.	DRAWING TITLE AERIAL PHOTOGRAPH 1971	
SOIL PROBE REPORT NUMBER 2015-27482	DRAWING NUMBER 5		
SCALE NTS			



<p>The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.</p>		<p>DATE June 11, 2015</p>		<p>DRAWN BY W. L.</p>		<p>PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario</p>		<p>LEGEND</p>	
<p>SOIL PROBE PROJECT NUMBER EV-1046</p>		<p>CHECKED BY J. L.</p>		<p>DRAWING NUMBER 6</p>		<p>DRAWING TITLE AERIAL PHOTOGRAPH 1983</p>			
<p>SOIL PROBE REPORT NUMBER 2015-27482</p>		<p>SCALE NTS</p>		<p> SOIL PROBE</p>					





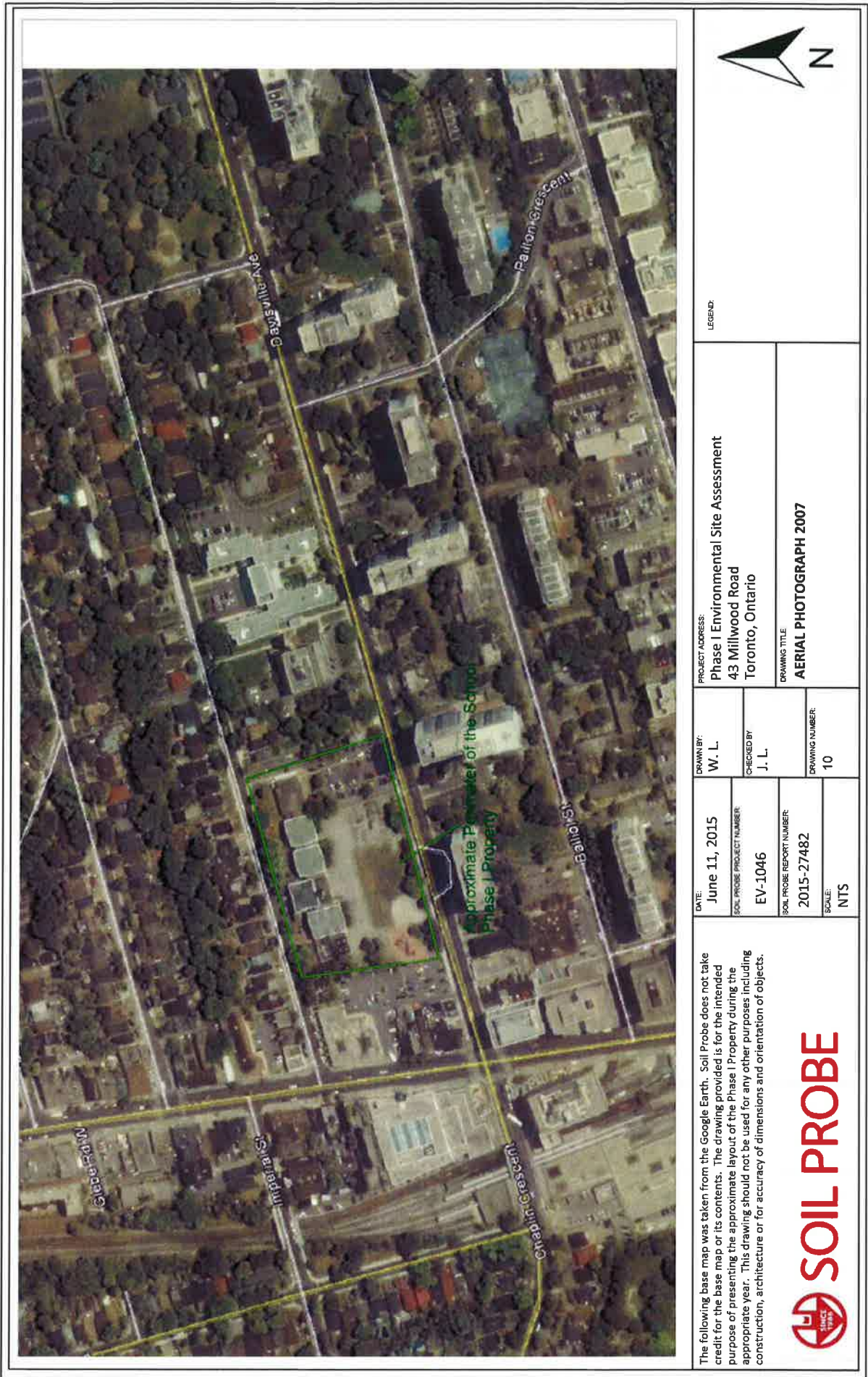
<p>DATE: June 11, 2015</p> <p>SOIL PROBE PROJECT NUMBER: EV-1046</p> <p>SOIL PROBE REPORT NUMBER: 2015-27482</p> <p>SCALE: NTS</p>		<p>PROJECT ADDRESS:</p> <p>Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario</p> <p>DRAWING TITLE:</p> <p>AERIAL PHOTOGRAPH 2002</p>	<p>LEGEND</p>
<p>DRAWN BY:</p> <p>W. L.</p>	<p>CHECKED BY:</p> <p>J. L.</p>	<p>DRAWING NUMBER:</p> <p>8</p>	

The following base map was taken from the Google Earth. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.





<p>DATE: June 11, 2015</p> <p>SOIL PROBE PROJECT NUMBER: EV-1046</p> <p>SOIL PROBE REPORT NUMBER: 2015-27482</p> <p>SCALE: NTS</p>		<p>DRAWN BY: W. L.</p> <p>CHECKED BY: J. L.</p> <p>DRAWING NUMBER: 9</p>	<p>PROJECT ADDRESS: Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario</p> <p>DRAWING TITLE: AERIAL PHOTOGRAPH 2005</p>	<p>LEGEND:</p>
<p>The following base map was taken from the Google Earth. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.</p>				



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DATE: June 11, 2015
SOIL PROBE PROJECT NUMBER: EV-1046
SOIL PROBE REPORT NUMBER: 2015-27482
SCALE: NTS

DRAWN BY: W. L.
CHECKED BY: J. L.
DRAWING NUMBER: 10

PROJECT ADDRESS:
 Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario
DRAWING TITLE:
 AERIAL PHOTOGRAPH 2007

LEGEND:



LEGEND:


PROJECT ADDRESS:
Phase I Environmental Site Assessment
43 Millwood Road
Toronto, Ontario

DRAWING TITLE:
AERIAL PHOTOGRAPH 2012

DATE:	June 11, 2015
SOIL PROBE PROJECT NUMBER:	EV-1046
SOIL PROBE REPORT NUMBER:	2015-27482
SCALE:	NTS

DRAWN BY:	W. L.
CHECKED BY:	J. L.
DRAWING NUMBER:	11

The following base map was taken from the Google Earth. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



SOIL PROBE

APPENDICES

APPENDIX A**Site Photographs**

Photograph 1: Facing Northwest: Roof view of the school



Photograph 2: Facing Southwest: Intake for conditioned air



Photograph 3: Facing Southwest: The brick chimney that was used in the past for garbage incineration



Photograph 4: View of the HVAC mechanical room



Photograph 5: View of the hydraulic cage for the elevator. Minor staining which is absorbed via sorbent cloth. Equipment appears to be well maintained



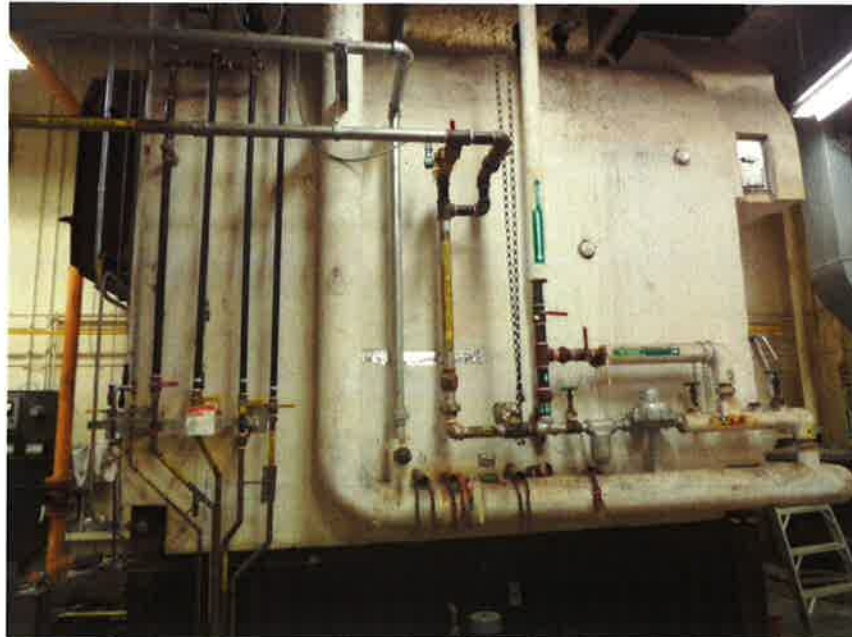
Photograph 6: Hydraulic elevator



Photograph 7: Two compressors on the left and sump pump on the right. These units are located in the sub-basement.



Photograph 8: One of two large natural gas fired steam boilers. Located in the sub-basement.



Photograph 9: Garbage incinerator, reported not to be in operation during the site reconnaissance.



Photograph 10: Baseboard heating in one of the classrooms



Photograph 11: Fluorescent lights and return air. Lay-in ceiling tiles were observed in the classroom.



Photograph 12: Additional roof top photograph showing the uneven layout, therefore there are no rooftop units.



APPENDIX B**Aerial Photographs**



The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



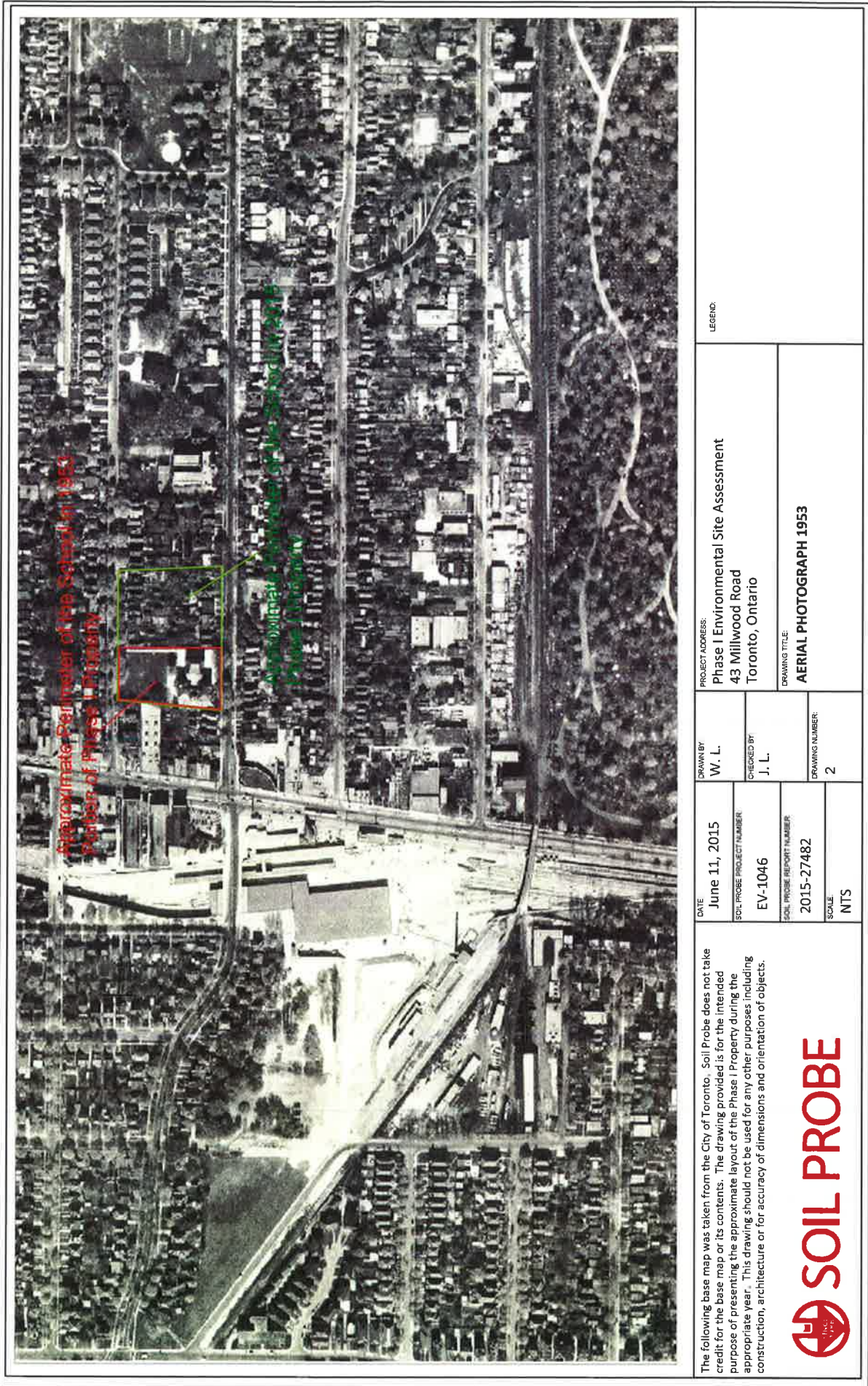
DATE: **June 11, 2015**
 SOIL PROBE PROJECT NUMBER: **EV-1046**
 SOIL PROBE REPORT NUMBER: **2015-27482**
 SCALE: **NTS**

DRAWN BY: **W. L.**
 CHECKED BY: **J. L.**
 DRAWING NUMBER: **1**

PROJECT ADDRESS:
Phase I Environmental Site Assessment
43 Millwood Road
Toronto, Ontario

DRAWING TITLE
AERIAL PHOTOGRAPH 1947

LEGEND:



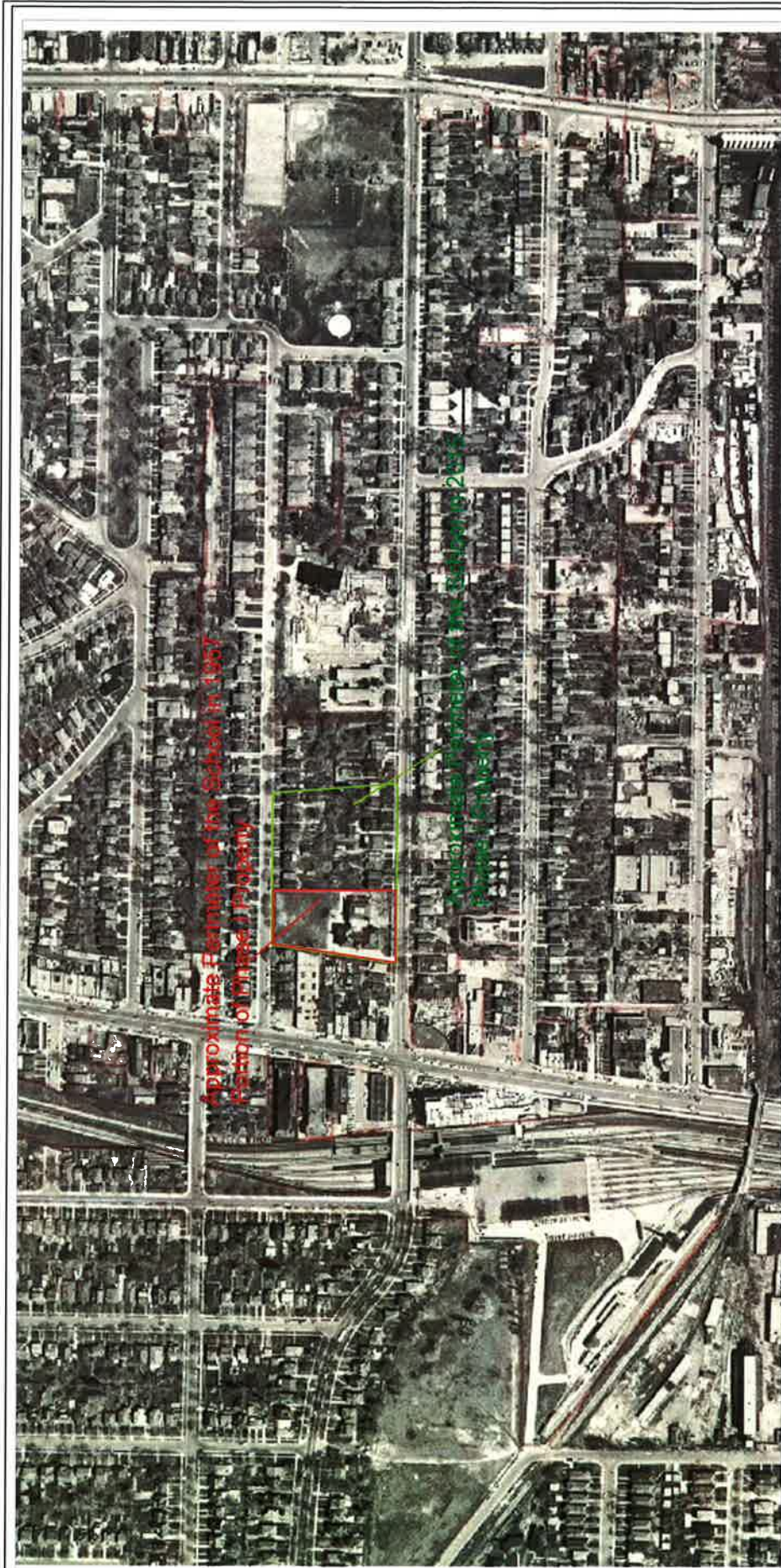
The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



DATE	June 11, 2015
SOIL PROBE PROJECT NUMBER	EV-1046
SOIL PROBE REPORT NUMBER	2015-27482
SCALE	NTS

DRAWN BY	W. L.
CHECKED BY	J. L.
DRAWING NUMBER	2

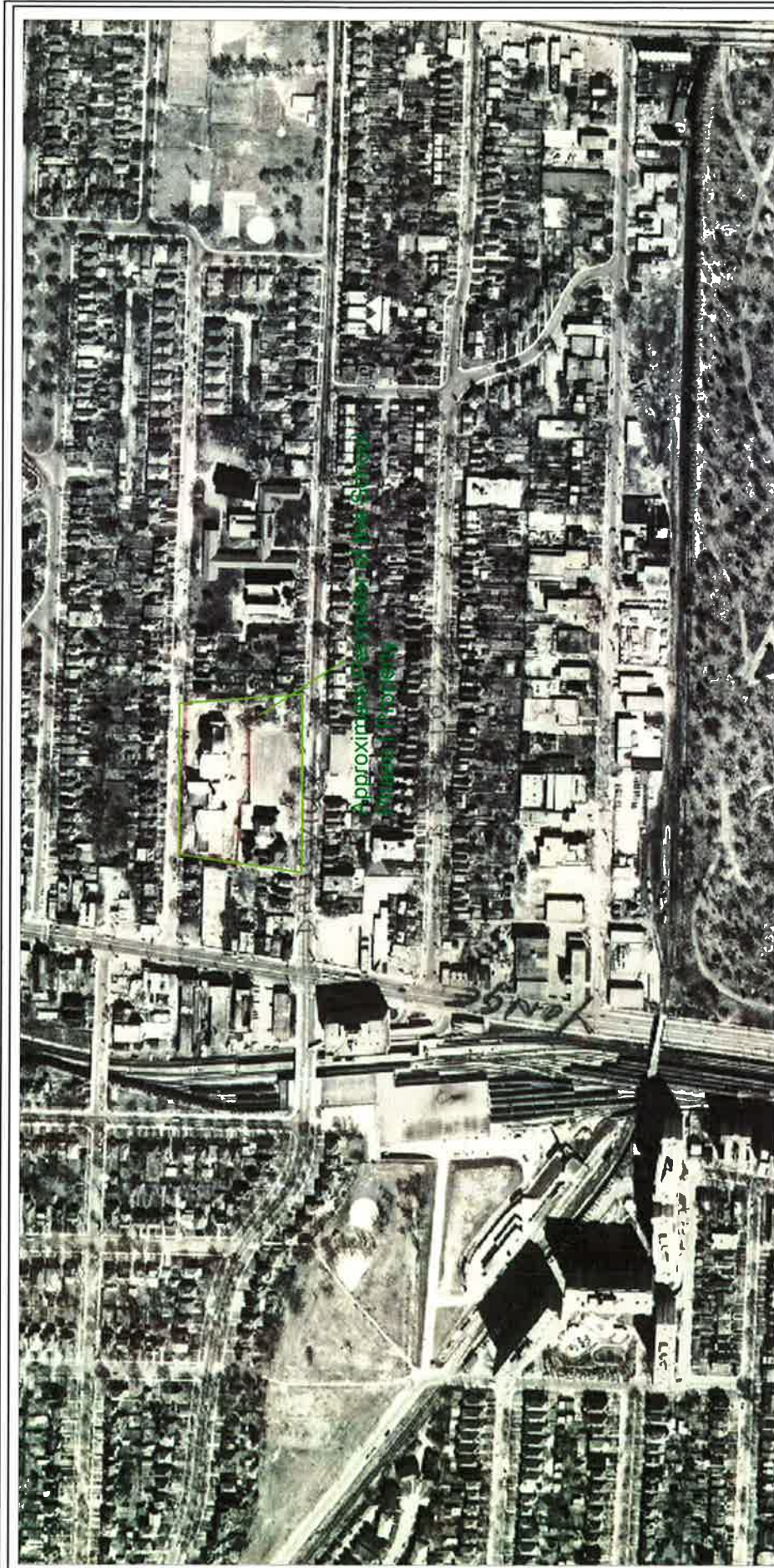
PROJECT ADDRESS:	Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario
LEGEND:	



The following base map was taken from the City of Toronto. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate layout of the Phase I Property during the appropriate year. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.



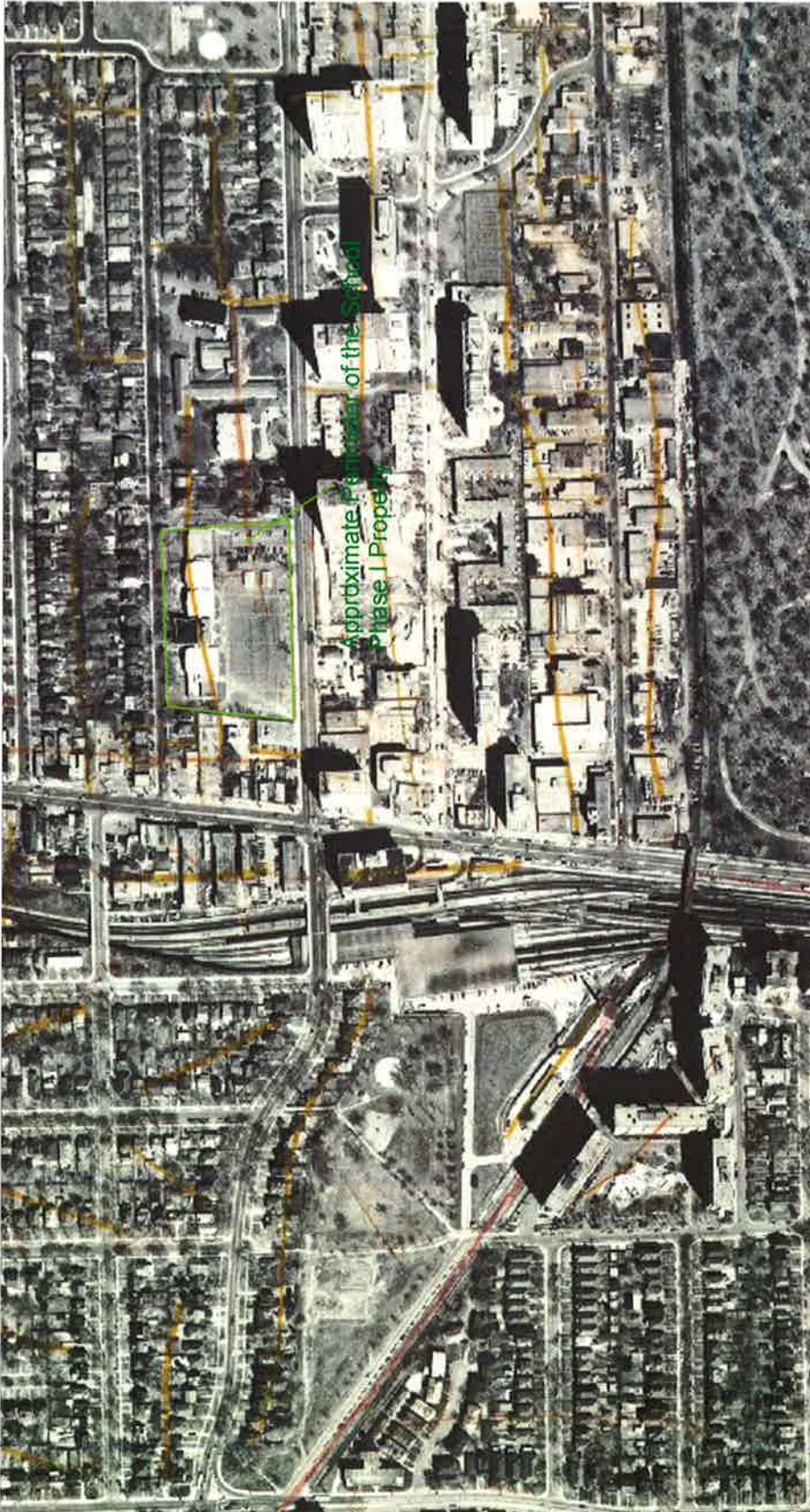
DATE June 11, 2015	DRAWN BY W. L.	PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario		LEGEND
		CHECKED BY J. L.	DRAWING NUMBER 3	
SOIL PROBE PROJECT NUMBER EV-1046	SOIL PROBE REPORT NUMBER 2015-27482	DRAWING TITLE AERIAL PHOTOGRAPH 1957		
SCALE NTS				



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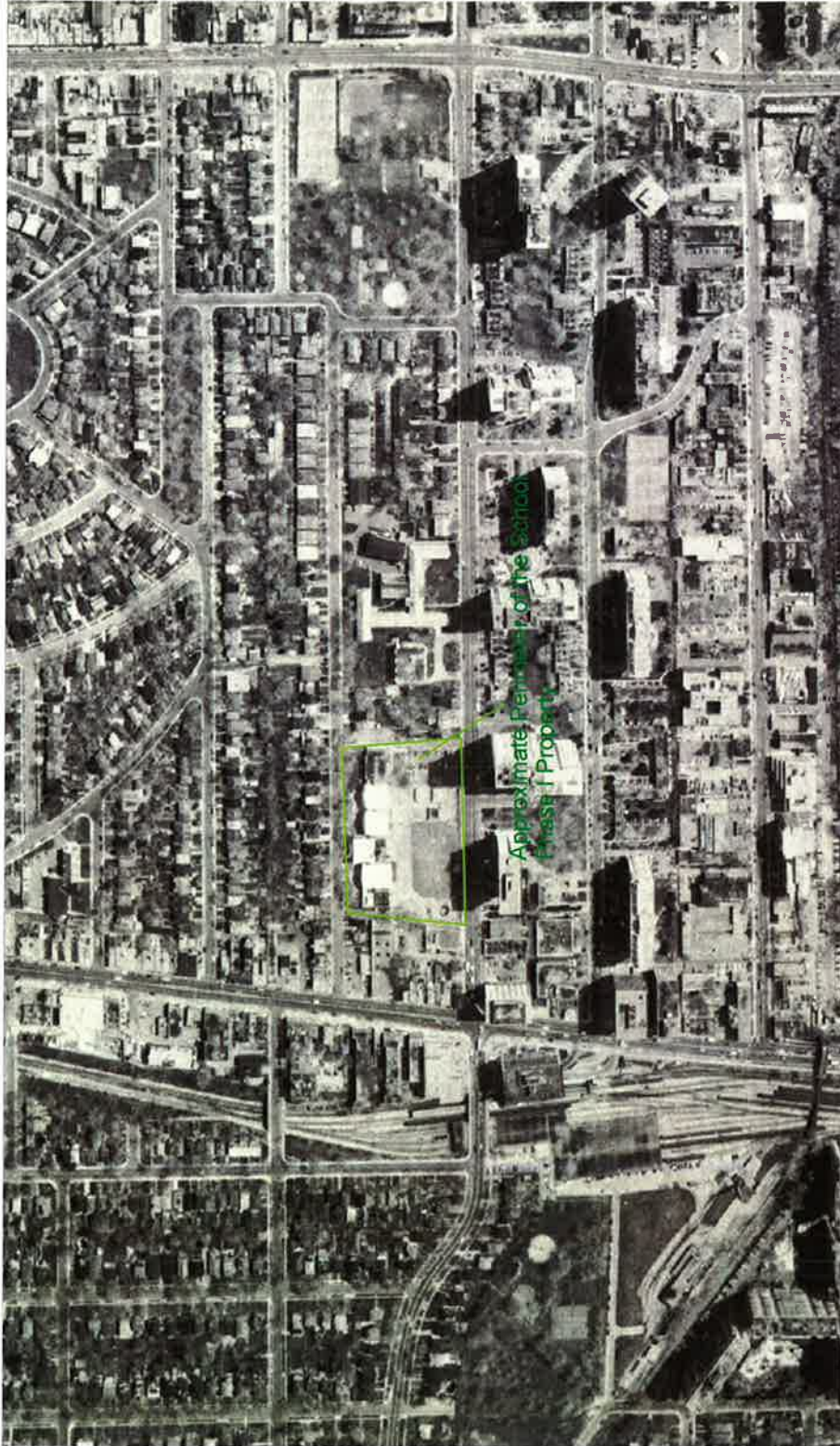
DATE	June 11, 2015	DRAWN BY	W. L.	PROJECT ADDRESS	Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario	LEGEND
SOIL PROBE PROJECT NUMBER	EV-1046	CHECKED BY	J. L.	DRAWING TITLE	AERIAL PHOTOGRAPH 1962	
SOIL PROBE REPORT NUMBER	2015-27482	DRAWING NUMBER	4			
SCALE	NTS					



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DATE June 11, 2015	DRAWN BY W. L.	PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario	LEGEND:
	CHECKED BY J. L.		
SOIL PROBE PROJECT NUMBER EV-1046	DRAWING NUMBER 5	DRAWING TITLE AERIAL PHOTOGRAPH 1971	
SOIL PROBE REPORT NUMBER 2015-27482			
SCALE NTS			



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DATE June 11, 2015		DRAWN BY W. L.		PROJECT ADDRESS Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario		LEGEND	
SOIL PROBE PROJECT NUMBER EV-1046		CHECKED BY J. L.		DRAWING TITLE AERIAL PHOTOGRAPH 1983			
SOIL PROBE REPORT NUMBER 2015-27482		DRAWING NUMBER 6					
SCALE NTS							



Approximate Perimeter of the Subject Phase I Property



LEGEND

PROJECT ADDRESS
 Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario

DRAWING TITLE
 AERIAL PHOTOGRAPH 1992

DRAWN BY
 W. L.

CHECKED BY
 J. L.

DRAWING NUMBER
 7

DATE
 June 11, 2015

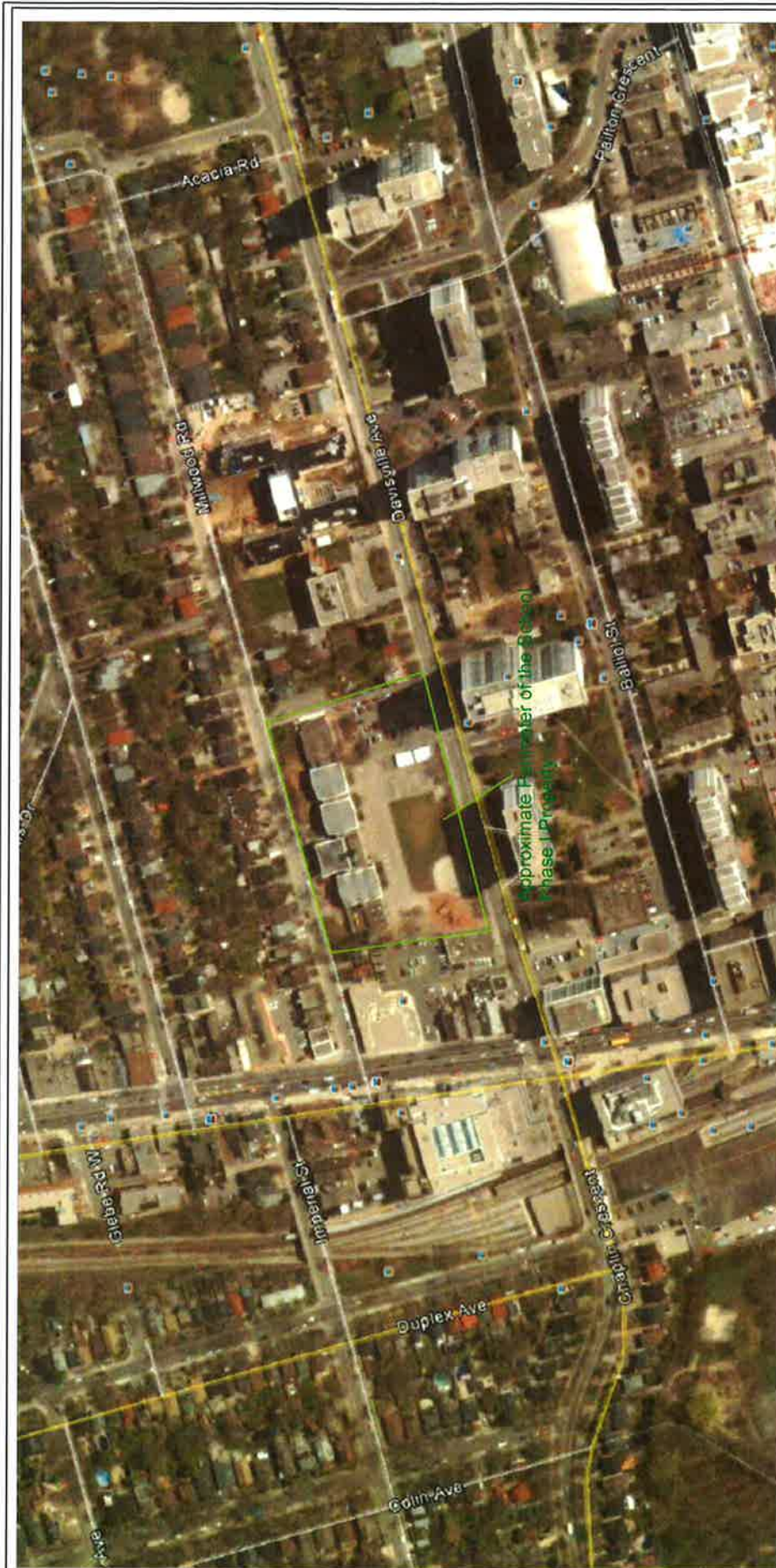
SOIL PROBE PROJECT NUMBER
 EV-1046

SOIL PROBE REPORT NUMBER
 2015-27482

SCALE
 NTS

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LEGEND:

PROJECT ADDRESS:
 Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario

DRAWING TITLE:
AERIAL PHOTOGRAPH 2002

DRAWN BY:
 W. L.

CHECKED BY:
 J. L.

DRAWING NUMBER:
 8

DATE:
 June 11, 2015

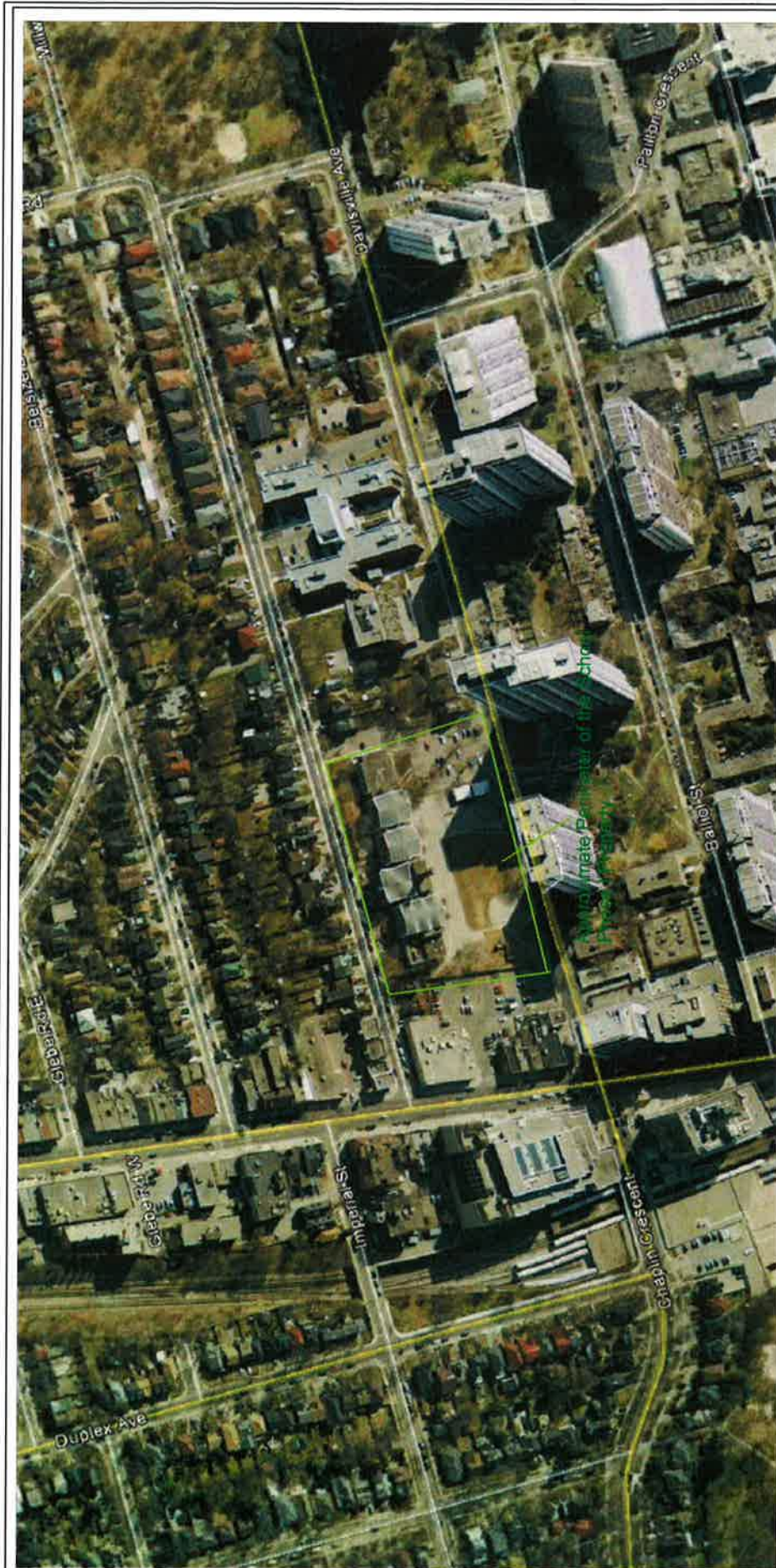
SOIL PROBE PROJECT NUMBER:
 EV-1046

SOIL PROBE REPORT NUMBER:
 2015-27482

SCALE:
 NTS

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LEGEND:

PROJECT ADDRESS:
Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario

DRAWING TITLE:
AERIAL PHOTOGRAPH 2005

DRAWN BY:
 W. L.

CHECKED BY:
 J. L.

DRAWING NUMBER:
 9

DATE
 June 11, 2015

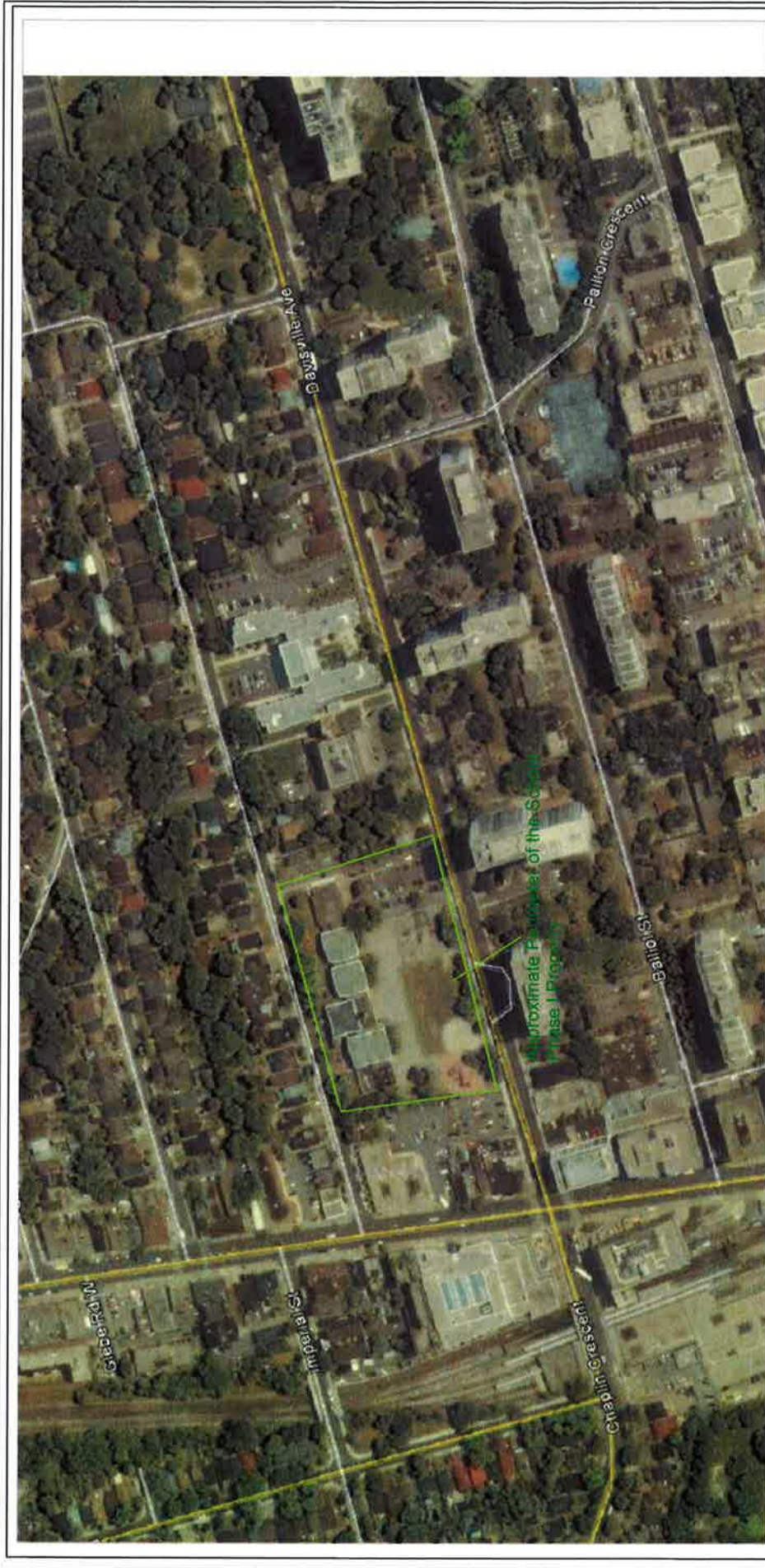
SOIL PROBE PROJECT NUMBER:
 EV-1046

SOIL PROBE REPORT NUMBER:
 2015-27482

SCALE:
 NTS

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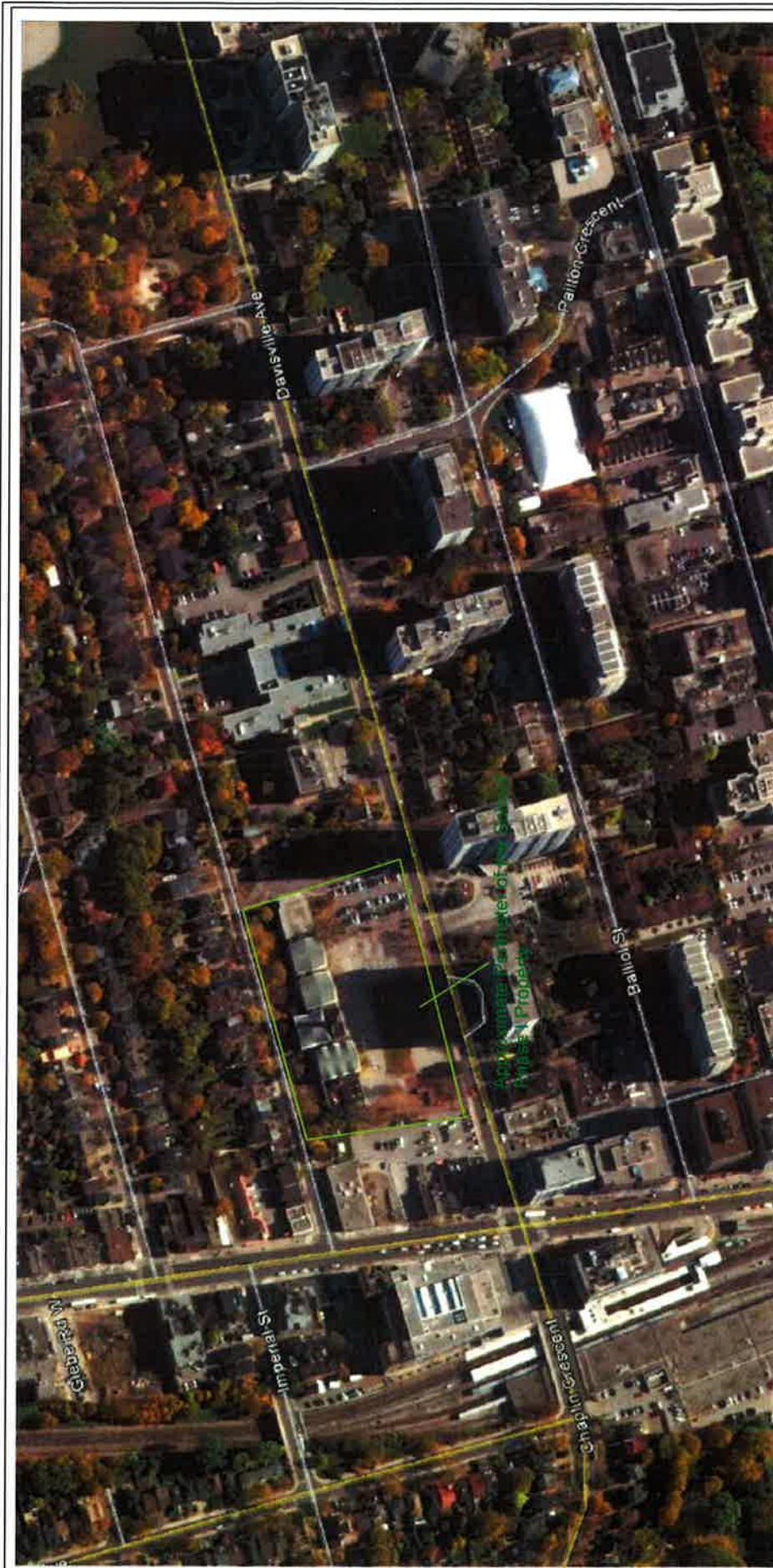


DATE:	June 11, 2015
SOIL PROBE PROJECT NUMBER:	EV-1046
SOIL PROBE REPORT NUMBER:	2015-27482
SCALE:	NTS

DRAWN BY:	W. L.
CHECKED BY:	J. L.
DRAWING NUMBER:	10

PROJECT ADDRESS:	Phase I Environmental Site Assessment 43 Millwood Road Toronto, Ontario
DRAWING TITLE:	AERIAL PHOTOGRAPH 2007

LEGEND:



LEGEND:

PROJECT ADDRESS:
 Phase I Environmental Site Assessment
 43 Millwood Road
 Toronto, Ontario

DRAWING TITLE:
AERIAL PHOTOGRAPH 2012

DRAWN BY:
 W. L.

CHECKED BY:
 J. L.

DRAWING NUMBER:
 11

DATE:
 June 11, 2015

SOIL PROBE PROJECT NUMBER:
 EV-1046

SOIL PROBE REPORT NUMBER:
 2015-27482

SCALE:
 NTS

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APPENDIX C**EcoLog ERIS Report**



DATABASE REPORT



Project Property: *EV1046
43 Millwood Rd
Toronto ON M4S1J6*

P.O. Number:

Report Type: *Standard Report*

Order #: *20150507070*

Requested by: *Soil Probe Ltd.*

Date: *May 14, 2015*

Ecolog ERIS Ltd.
Environmental Risk Information
Service Ltd. (ERIS)
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com
www.erisinfo.com

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Executive Summary

Property Information:

Project Property: EV1046
43 Millwood Rd Toronto ON M4S1J6

P.O. Number:

Coordinates:

Latitude: 43.699285
Longitude: -79.3949
UTM Northing: 4,839,725.75
UTM Easting: 629,336.47
UTM Zone: UTM Zone 17T

Elevation: 498 FT
151.84 M

Order Information:

Order No.: 20150507070
Date Requested: 14/05/2015
Requested by: Soil Probe Ltd.
Report Type: Standard Report

Additional Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	46	46
CA	Certificates of Approval	Y	0	3	3
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	16	16
EIIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	1	1
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	11	65	76
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	1	0	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	2	2	4
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGW	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	6	6
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	1	1
PINC	<i>TSSA Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	1	1
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	1	1
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	12	12
SPL	<i>Ontario Spills</i>	Y	1	10	11
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	13	13
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	Y	0	1	1
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	9	9
Total:			15	188	203

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist m</i>	<i>Elev diff m</i>	<i>Page Number</i>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON	N/0.3	0.00	<u>29</u>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>29</u>
<u>1</u>	GEN	TORONTO BOARD OF EDUCATION 38-417	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>29</u>
<u>1</u>	GEN	TORONTO BOARD OF EDUCATION 38-414	DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>30</u>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N/0.3	0.00	<u>30</u>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N/0.3	0.00	<u>30</u>
<u>1</u>	GEN	TORONTO BOARD OF EDUCATION	DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>30</u>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N/0.3	0.00	<u>31</u>
<u>1</u>	GEN	TORONTO DISTRICT SCHOOL BOARD	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>31</u>
<u>1</u>	GEN	TORONTO BOARD OF EDUCATION	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>31</u>
<u>1</u>	GEN	TORONTO BOARD OF EDUCATION	DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>32</u>
<u>1</u>	INC		43 MILLWOOD RD, TORONTO ON	N/0.3	0.00	<u>32</u>
<u>1</u>	NPCB	BOARD OF EDUCATION FOR CITY OF TORONTO	DAVISVILLE PUBLIC SCHOOL; 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N/0.3	0.00	<u>33</u>
<u>1</u>	NPCB	BOARD OF EDUCATION FOR CITY OF TORONTO	43 MILLWOOD RD DAVISVILLE PUBLIC SCHOOL TORONTO ON M4S 1J6	N/0.3	0.00	<u>33</u>
<u>1</u>	SPL		43 Millwood Rd Toronto ON	N/0.3	0.00	<u>34</u>

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist m</i>	<i>Elev Diff m</i>	<i>Page Number</i>
2	BORE		ON	WSW/12.2	0.00	34
3	BORE		ON	NNE/28.3	0.00	35
4	WWIS		Toronto ON	SSE/35.4	0.00	36
5	BORE		ON	SW/39.2	0.00	36
6	BORE		ON	NE/46.8	0.00	37
7	BORE		ON	WSW/47.6	0.00	37
8	WWIS		Toronto ON	W/48.7	0.00	38
9	BORE		ON	E/48.7	0.00	38
10	BORE		ON	ENE/60.7	0.00	39
11	BORE		ON	W/61.9	0.00	40
11	BORE		ON	W/61.9	0.00	40
12	BORE		ON	WSW/63.1	0.00	41
13	BORE		ON	ENE/69.0	0.00	41
14	BORE		ON	ENE/70.4	0.00	42
15	BORE		ON	W/71.9	0.00	43
16	EHS		33 Davisville Avenue Toronto ON M4S 2Y9	S/77.9	0.00	43
17	WWIS		Toronto ON	WSW/83.6	0.00	43
18	WWIS		Toronto ON	WSW/102.8	0.00	44
19	SPL	METROPOLITAN TORONTO, MUNICIPAL	NORTH TORONTO WPCP 101 MILLWOOD ROAD TORONTO CITY ON M4S 1J6	ENE/106.6	0.00	44
20	TANK	Bremer Harry	79 Davisville Ave Toronto ON M4S 1G3	ESE/108.4	0.00	45
21	BORE		ON	S/124.9	0.00	45
22	TANK	Knapp Service Station	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	46

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
22	TANK	Mowers [Rose]	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	46
22	TANK	Mowers [M R]	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	46
22	TANK	McColl Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	46
22	TANK	McColl Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	47
22	TANK	McColl Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W/128.0	0.00	47
23	EHS		77 Davisville Avenue Toronto ON	SE/130.0	0.00	47
24	SPL	City of Toronto	21 Davisville Toronto ON	SSW/133.6	0.00	48
25	SPL		23 Belsize Avenue 1/2 INCH GAS LINE<UNOFFICIAL> Toronto ON M4S 1L3	NNW/133.9	0.54	48
26	BORE		ON	ESE/133.9	0.00	48
27	PRT	PIONEER PETROLEUMS ATTN LOLA LAURIE	1965 YONGE ST TORONTO ON M4S 1Z6	WNW/139.2	0.00	49
28	BORE		ON	S/144.0	0.00	49
29	EXP	PIONEER ENERGY MANAGEMENT INC.	1965 YONGE ST TORONTO ON M4S 1Z6	WNW/144.3	0.00	49
30	BORE		ON	SSE/154.3	0.00	50
31	GEN	VIDEO 99	22 BALLIOL STREET TORONTO ON M4S 1C1	SSW/161.1	0.00	50
32	BORE		ON	SE/164.4	0.00	50
33	BORE		ON	ENE/168.2	0.00	51
34	CA	IRON DEVELOPMENTS LTD.	1901 YONGE STREET TORONTO CITY ON M4S 1Y6	SW/168.3	-0.10	5
34	GEN	TSE Management Services Inc.	1901 Yonge Street Toronto ON M4S 1Y6	SW/168.3	-0.10	52
35	EHS		1962 YONGE STREET TORONTO ON M4S 1Z4	W/169.4	0.12	52
36	TANK	Weeks [George C]	1903 Yonge St Toronto ON	SW/172.0	-0.09	52
37	BORE		ON	WNW/172.0	0.16	52
38	BORE		ON	W/172.7	0.12	53
39	SPL	TORONTO HYDRO	101 DAVISVILLE AVE. TORONTO CITY ON M4S 1G3	ESE/173.0	0.00	54
40	GEN	VIDEO 99	32B BALLIOL STREET TORONTO, ON M4S 1C1	S/175.6	0.00	54
41	SPL	TORONTO TRANSIT COMMISSION	DAVISVILLE AVE BETW. YONGE & BAYVIEW MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON	SW/175.9	-0.03	55

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
<u>42</u>	GEN	Granite Property Management Inc	1950 Yonge St Toronto ON M4S 1Z4	W/178.0	0.02	<u>55</u>
<u>42</u>	GEN	Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W/178.0	0.02	<u>55</u>
<u>42</u>	GEN	Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W/178.0	0.02	<u>55</u>
<u>42</u>	GEN	Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W/178.0	0.02	<u>56</u>
<u>42</u>	GEN	Colson technical services	1950 Yonge st Toronto ON	W/178.0	0.02	<u>56</u>
<u>42</u>	GEN	Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W/178.0	0.02	<u>56</u>
<u>43</u>	BORE		ON	E/180.3	0.00	<u>56</u>
<u>44</u>	BORE		ON	NW/180.8	0.31	<u>57</u>
<u>45</u>	EHS		1910 & 1920 Yonge Street Toronto ON	WSW/181.9	0.00	<u>58</u>
<u>46</u>	BORE		ON	ESE/183.3	0.00	<u>58</u>
<u>47</u>	BORE		ON	NW/183.9	0.36	<u>59</u>
<u>48</u>	TANK	Sun Oil Co Ltd	1966 Yonge St Toronto ON M4S 1Z4	WNW/185.1	0.32	<u>59</u>
<u>49</u>	EHS		1910 Yonge St Toronto ON M4S3B2	WSW/187.0	0.00	<u>60</u>
<u>50</u>	GEN	Kilbarry Holding Corporation	1962 Yonge Street Suite 200 Toronto ON M4S 1Z4	W/187.8	0.30	<u>60</u>
<u>51</u>	BORE		ON	SW/189.4	-0.27	<u>60</u>
<u>52</u>	GEN	Dr. Arthur Dunec	1910 Yonge Street Toronto ON	WSW/191.7	0.00	<u>60</u>
<u>52</u>	GEN	Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW/191.7	0.00	<u>61</u>
<u>52</u>	GEN	TORONTO TRANSIT COMMISSION	1910 YONGE ST/ENGINEERING & CONST. C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	WSW/191.7	0.00	<u>61</u>
<u>52</u>	GEN	Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW/191.7	0.00	<u>61</u>
<u>52</u>	GEN	TORONTO TRANSIT COMMISSION 38-272	1910 YONGE ST/ENGINEERING & CONST. C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	WSW/191.7	0.00	<u>61</u>
<u>52</u>	GEN	TORONTO TRANSIT COMMISSION	ENGINEERING & MAINTENANCE 1910 YONGE STREET TORONTO ON M4S 3B2	WSW/191.7	0.00	<u>62</u>
<u>52</u>	GEN	Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW/191.7	0.00	<u>62</u>
<u>52</u>	GEN	Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW/191.7	0.00	<u>62</u>
<u>52</u>	GEN	TORONTO TRANSIT COMMISSION	1910 YONGE STREET ENGINEERING & MAINTENANCE TORONTO ON M4S 3B2	WSW/191.7	0.00	<u>62</u>
<u>53</u>	BORE		ON	SE/191.7	0.00	<u>63</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
<u>54</u>	HINC		67 BALLIOL STREET TORONTO ON M4S 1C2	SSE/192.3	0.00	<u>63</u>
<u>55</u>	GEN	NOVA QUALITY DRY CLEANER 28-877	1039208 ONT. LTD. 1881 YONGE STREET, UNIT #7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>64</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>64</u>
<u>55</u>	GEN	Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>64</u>
<u>55</u>	GEN	NOVA QUALITY DRY CLEANERS	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	SSW/196.5	-0.11	<u>64</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>65</u>
<u>55</u>	GEN	Meridia Medical	501 - 1881 Yonge Street Toronto ON	SSW/196.5	-0.11	<u>65</u>
<u>55</u>	GEN	NOVA DRY CLEANERS CORPORATION	1881 YONGE STREET UNIT #7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>65</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>65</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	SSW/196.5	-0.11	<u>66</u>
<u>55</u>	GEN	Davisville Family Practice	600-1881 Yonge Street Toronto ON	SSW/196.5	-0.11	<u>66</u>
<u>55</u>	GEN	Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>66</u>
<u>55</u>	GEN	Welcome Pharmacy (Davisville) Ltd.	1881 Yonge St. Toronto ON	SSW/196.5	-0.11	<u>66</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON	SSW/196.5	-0.11	<u>66</u>
<u>55</u>	GEN	Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>67</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>67</u>
<u>55</u>	GEN	Yonge Davisville Health Clinic	1881 Yonge Street Unit 502 Toronto ON	SSW/196.5	-0.11	<u>67</u>
<u>55</u>	GEN	S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW/196.5	-0.11	<u>67</u>
<u>55</u>	GEN	Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>68</u>
<u>55</u>	GEN	Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>68</u>
<u>55</u>	GEN	Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>68</u>
<u>55</u>	GEN	Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>68</u>
<u>55</u>	GEN	Meridia Medical	501 - 1881 Yonge Street Toronto ON	SSW/196.5	-0.11	<u>69</u>
<u>55</u>	TANK	Imperial Oil Co Ltd	1881 Yonge St Toronto ON M4S 3C4	SSW/196.5	-0.11	<u>69</u>
<u>56</u>	SCT	ST. CLAIR GROUP INVESTMENTS	1920 Yonge St Suite 201 Box 14 Toronto ON M4S 3E2	WSW/199.8	0.00	<u>69</u>
<u>56</u>	SCT	Creative Dental Studio	1920 Yonge St Unit 101 Toronto ON M4S 3E2	WSW/199.8	0.00	<u>69</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
56	SCT	Aker Metals	1920 Yonge St Suite 301 Toronto ON M4S 3E6	WSW/199.8	0.00	70
56	SCT	St. Clair Group Investments Inc.	1920 Yonge St Suite 201 Box 14 Toronto ON	WSW/199.8	0.00	70
56	SPL	PRIVATE OWNER	1920 YONGE ST - YONGE & DAVISVILLE(TTC) STORAGE TANK/BARREL TORONTO CITY ON	WSW/199.8	0.00	70
57	BORE		ON	SSW/200.7	-0.27	70
58	SCT	Dell'ernia Lamps Co. Ltd.	1980 Yonge St Toronto ON M4S 1Z7	WNW/202.3	0.67	71
59	SPL	TORONTO TRANSIT COMMISSION	DAVISVILLE SUBWAY YARD TORONTO CITY ON	SW/205.9	-0.44	71
60	WWIS		TORONTO ON	W/206.0	0.56	71
60	WWIS		Toronto ON	W/206.0	0.56	72
61	EHS		111 Davisville Avenue Toronto ON M4S 1G5	E/207.4	0.00	73
62	EHS		1987, 1989, 1991 Yonge Street and 6,8 and 10 Belsize Toronto ON	NW/209.0	0.60	73
63	BORE		ON	ENE/209.2	0.00	73
64	BORE		ON	E/210.0	0.00	74
65	BORE		ON	ESE/211.2	0.00	75
66	WWIS		ON	W/211.9	0.04	75
67	SCT	Hipguard Canada Ltd.	25 Imperial St Suite 500 Toronto ON M5P 1B9	W/212.9	0.29	76
67	SCT	Passion Inc.	25 Imperial St Suite 100 Toronto ON M5P 1B9	W/212.9	0.29	76
68	BORE		ON	ENE/215.9	0.00	76
69	BORE		ON	S/223.2	0.02	77
70	BORE		ON	ESE/224.8	0.00	77
71	WWIS		ON	NW/226.9	1.05	78
72	SCT	MASTERS IN BUSINESS SYSTEMS	1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	WSW/227.3	0.00	78
72	SCT	Masters In Business Systems Inc.	1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	WSW/227.3	0.00	78
73	SCT	LETTER PERFECT	93 BALLIOL ST TORONTO ON M4S 1C2	SSE/228.7	0.00	79
74	BORE		ON	E/229.4	0.00	79
75	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	79

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON	NW/230.4	0.94	<u>80</u>
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>80</u>
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>80</u>
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>80</u>
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>80</u>
<u>75</u>	GEN	2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>81</u>
<u>75</u>	GEN	BELSIZE CLEANERS	2001 YONGE STREET TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>81</u>
<u>75</u>	PES	RIKLIS, LOU HARDWARE DIV. OF 654691 ONTARIO LIMITED	2001 YONGE STREET TORONTO ON M4S 1Z8	NW/230.4	0.94	<u>81</u>
<u>76</u>	BORE		ON	SSW/231.3	-0.11	<u>81</u>
<u>77</u>	BORE		ON	W/231.8	0.11	<u>82</u>
<u>78</u>	EHS		1867, 1881 YONGE STREET TORONTO ON M4S 3C4	SSW/232.2	-0.45	<u>83</u>
<u>79</u>	BORE		ON	ENE/233.0	0.00	<u>83</u>
<u>80</u>	EHS		1867 & 1881 Yonge Street TORONTO ON	SSW/235.2	-0.54	<u>83</u>
<u>81</u>	CA	TORONTO TRANSIT COMMISSION, MCBRIEN BUIL	1900 YONGE STREET TORONTO ON	SW/239.1	-0.61	<u>84</u>
<u>81</u>	CA	Toronto Transit Commission	1900 Yonge Street Toronto ON	SW/239.1	-0.61	<u>84</u>
<u>81</u>	EHS		1900 Yonge Street Toronto ON M4S 1Z1	SW/239.1	-0.61	<u>84</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE CARHOUSE 1900 YONGE STREET TORONTO ON M4S 1Z1	SW/239.1	-0.61	<u>84</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW/239.1	-0.61	<u>85</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW/239.1	-0.61	<u>86</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	1900 YONGE STREET TORONTO, ON M5S 1Z2	SW/239.1	-0.61	<u>87</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW/239.1	-0.61	<u>87</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE SUBWAY STATION 1900 YONGE STREET TORONTO ON	SW/239.1	-0.61	<u>88</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	1900 YONGE STREET DAVISVILLE SUBWAY STATION TORONTO ON M5P 1A2	SW/239.1	-0.62	<u>88</u>
<u>81</u>	GEN	TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON M4S 1Z2	SW/239.1	-0.62	<u>89</u>

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<u>81</u>	SPL	Toronto Transit Commission	1900 Yonge St Toronto ON	SW/239.1	-0.61	<u>90</u>
<u>81</u>	SPL	TORONTO TRANSIT COMMISSION	TTC BUILDING AT 1900 YONGE ST. TORONTO CITY ON	SW/239.1	-0.61	<u>90</u>
<u>81</u>	SPL	Toronto Transit Commission	1900 Yonge Street Toronto ON	SW/239.1	-0.61	<u>90</u>
<u>81</u>	TANK	Imperial Oil Co Ltd	1900 Yonge St Toronto ON M4S 1Z2	SW/239.1	-0.62	<u>91</u>
<u>81</u>	TANK	Ford [Harry M]	1900 Yonge St Toronto ON M4S 1Z2	SW/239.1	-0.62	<u>91</u>
<u>81</u>	TANK	Ford [Harry M]	1900 Yonge St Toronto ON M4S 1Z2	SW/239.1	-0.62	<u>91</u>
<u>81</u>	VAR	TORONTO TRANSIT COMMISSION ATTN: MARIO BORAGINA	1900 YONGE ST TORONTO ON M4S 1Z2	SW/239.1	-0.62	<u>92</u>
<u>82</u>	SCT	Seiwa Biodegrader Ltd.	28 Imperial St Toronto ON M5P 1C2	WNW/239.3	0.82	<u>92</u>
<u>83</u>	BORE		ON	ESE/241.3	0.00	<u>92</u>
<u>84</u>	EHS		1867 Yonge Street n/a ON M4S 1Y5	SSW/241.4	-0.32	<u>93</u>
<u>84</u>	EHS		1867 Yonge St. (east side) Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>93</u>
<u>84</u>	EHS		1867 Yonge Street Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>93</u>
<u>84</u>	EHS		1867 Yonge St. Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>93</u>
<u>84</u>	GEN	Dr. Jonathan Adam Dentistry Professional Corporati	1867 Yonge Street, Suite 402 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>93</u>
<u>84</u>	GEN	Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>94</u>
<u>84</u>	GEN	Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>94</u>
<u>84</u>	GEN	Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>94</u>
<u>84</u>	GEN	Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>94</u>
<u>84</u>	GEN	1867 Yonge St. (NRL4) Ltd.	1867 Yonge St. Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>95</u>
<u>84</u>	GEN	Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON	SSW/241.4	-0.32	<u>95</u>
<u>84</u>	GEN	BRAMALEA LIMITED 05-764	1867 YONGE STREET C/O ONE QUEEN STREET EAST TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>95</u>
<u>84</u>	NPCB	BRAMALEA LIMITED	1867 YONGE ST TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>
<u>84</u>	NPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev Diff m	Page Number
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>96</u>
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>97</u>
<u>84</u>	OPCB	BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW/241.4	-0.32	<u>97</u>
<u>84</u>	SCT	CryptoLogic Inc.	1867 Yonge St Floor 7 Toronto ON M4S 1Y5	SSW/241.4	-0.32	<u>97</u>
<u>85</u>	EHS		1994-2008 Yonge Street Toronto ON M4S 1Z7	WNW/241.6	0.98	<u>98</u>
<u>86</u>	WWIS		ON	WNW/243.9	1.10	<u>98</u>
<u>87</u>	EHS		1994-2008 Yonge St. Toronto ON M4S 1Z7	NW/244.5	0.77	<u>98</u>
<u>88</u>	BORE		ON	S/245.0	-0.04	<u>98</u>
<u>89</u>	BORE		ON	SSW/246.8	-0.38	<u>99</u>
<u>90</u>	BORE		ON	S/247.7	0.00	<u>100</u>
<u>91</u>	BORE		ON	SSW/248.5	-0.44	<u>101</u>
<u>92</u>	BORE		ON	E/249.2	0.00	<u>101</u>
<u>93</u>	BORE		ON	SSW/249.4	-0.23	<u>102</u>
<u>94</u>	RSC	Sunset Flora Builders Corp.	1996, 2000 & 2008 Yonge Street and 23 Glebe Road West Toronto ON	NW/249.4	0.79	<u>102</u>
<u>95</u>	BORE		ON	SSW/250.3	-0.50	<u>103</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 46 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	WSW	12.17	<u>2</u>
	ON	NNE	28.27	<u>3</u>
	ON	SW	39.17	<u>5</u>
	ON	NE	46.84	<u>6</u>
	ON	WSW	47.62	<u>7</u>
	ON	E	48.72	<u>9</u>
	ON	ENE	60.71	<u>10</u>
	ON	W	61.86	<u>11</u>
	ON	W	61.86	<u>11</u>
	ON	WSW	63.09	<u>12</u>
	ON	ENE	69.02	<u>13</u>
	ON	ENE	70.35	<u>14</u>
	ON	W	71.85	<u>15</u>
	ON	S	124.89	<u>21</u>
	ON	ESE	133.94	<u>26</u>
	ON	S	144.02	<u>28</u>
	ON	SSE	154.27	<u>30</u>
	ON	SE	164.43	<u>32</u>
	ON	ENE	168.21	<u>33</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	WNW	172.04	<u>37</u>
	ON	W	172.66	<u>38</u>
	ON	E	180.29	<u>43</u>
	ON	NW	180.79	<u>44</u>
	ON	ESE	183.31	<u>46</u>
	ON	NW	183.95	<u>47</u>
	ON	SE	191.73	<u>53</u>
	ON	ENE	209.22	<u>63</u>
	ON	E	209.99	<u>64</u>
	ON	ESE	211.23	<u>65</u>
	ON	ENE	215.91	<u>68</u>
	ON	S	223.19	<u>69</u>
	ON	ESE	224.81	<u>70</u>
	ON	E	229.37	<u>74</u>
	ON	W	231.82	<u>77</u>
	ON	ENE	233.04	<u>79</u>
	ON	ESE	241.28	<u>83</u>
	ON	S	247.68	<u>90</u>
	ON	E	249.21	<u>92</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	SW	189.42	<u>51</u>
	ON	SSW	200.69	<u>57</u>
	ON	SSW	231.26	<u>76</u>

ON	S	245.00	88
ON	SSW	246.84	89
ON	SSW	248.53	91
ON	SSW	249.43	93
ON	SSW	250.30	95

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
IRON DEVELOPMENTS LTD.	1901 YONGE STREET TORONTO CITY ON M4S 1Y6	SW	168.31	34
Toronto Transit Commission	1900 Yonge Street Toronto ON	SW	239.14	81
TORONTO TRANSIT COMMISSION, MCBRIEN BUIL	1900 YONGE STREET TORONTO ON	SW	239.14	81

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2014 has found that there are 16 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	33 Davisville Avenue Toronto ON M4S 2Y9	S	77.88	16
	77 Davisville Avenue Toronto ON	SE	129.96	23
	1962 YONGE STREET TORONTO ON M4S 1Z4	W	169.35	35
	1910 & 1920 Yonge Street Toronto ON	WSW	181.89	45
	1910 Yonge St Toronto ON M4S3B2	WSW	187.00	49
	111 Davisville Avenue Toronto ON M4S 1G5	E	207.37	61
	1987, 1989, 1991 Yonge Street and 6,8 and 10 Belsize Toronto ON	NW	208.97	62
	1994-2008 Yonge Street Toronto ON M4S 1Z7	WNW	241.63	85

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	1994-2008 Yonge St. Toronto ON M4S 1Z7	NW	244.53	<u>87</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	1867, 1881 YONGE STREET TORONTO ON M4S 3C4	SSW	232.18	<u>78</u>
	1867 & 1881 Yonge Street TORONTO ON	SSW	235.22	<u>80</u>
	1900 Yonge Street Toronto ON M4S 1Z1	SW	239.14	<u>81</u>
	1867 Yonge Street n/a ON M4S 1Y5	SSW	241.43	<u>84</u>
	1867 Yonge St. Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
	1867 Yonge St. (east side) Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
	1867 Yonge Street Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Current to Nov 2014 has found that there are 1 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
PIONEER ENERGY MANAGEMENT INC.	1965 YONGE ST TORONTO ON M4S 1Z6	WNW	144.26	<u>29</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 2014 has found that there are 76 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON	N	0.27	<u>1</u>
TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N	0.27	<u>1</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TORONTO BOARD OF EDUCATION	DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO DISTRICT SCHOOL BOARD	DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO DISTRICT SCHOOL BOARD	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO BOARD OF EDUCATION	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO BOARD OF EDUCATION	DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO BOARD OF EDUCATION 38-417	METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
TORONTO BOARD OF EDUCATION 38-414	DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>
VIDEO 99	22 BALLIOL STREET TORONTO ON M4S 1C1	SSW	161.13	<u>31</u>
VIDEO 99	32B BALLIOL STREET TORONTO, ON M4S 1C1	S	175.59	<u>40</u>
Granite Property Management Inc	1950 Yonge St Toronto ON M4S 1Z4	W	177.99	<u>42</u>
Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W	177.99	<u>42</u>
Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W	177.99	<u>42</u>
Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W	177.99	<u>42</u>
Colson technical services	1950 Yonge st Toronto ON	W	177.99	<u>42</u>
Colson technical services	1950 Yonge st Toronto ON M4S 1Z4	W	177.99	<u>42</u>
Kilbarry Holding Corporation	1962 Yonge Street Suite 200 Toronto ON M4S 1Z4	W	187.76	<u>50</u>
Dr. Arthur Dunec	1910 Yonge Street Toronto ON	WSW	191.71	<u>52</u>
Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW	191.71	<u>52</u>
TORONTO TRANSIT COMMISSION	1910 YONGE ST/ENGINEERING & CONST. C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	WSW	191.71	<u>52</u>
TORONTO TRANSIT COMMISSION 38-272	1910 YONGE ST/ENGINEERING & CONST. C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	WSW	191.71	<u>52</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TORONTO TRANSIT COMMISSION	ENGINEERING & MAINTENANCE 1910 YONGE STREET TORONTO ON M4S 3B2	WSW	191.71	<u>52</u>
Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW	191.71	<u>52</u>
Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW	191.71	<u>52</u>
TORONTO TRANSIT COMMISSION	1910 YONGE STREET ENGINEERING & MAINTENANCE TORONTO ON M4S 3B2	WSW	191.71	<u>52</u>
Dr. Arthur Dunec	1910 Yonge Street Toronto ON M4S 1Z4	WSW	191.71	<u>52</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
2160498 ontario ltd.	2001 YONGE ST. TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>
BELSIZE CLEANERS	2001 YONGE STREET TORONTO ON M4S 1Z8	NW	230.40	<u>75</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TSE Management Services Inc.	1901 Yonge Street Toronto ON M4S 1Y6	SW	168.31	<u>34</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	SSW	196.48	<u>55</u>
Davisville Family Practice	600-1881 Yonge Street Toronto ON	SSW	196.48	<u>55</u>
Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
Welcome Pharmacy (Davisville) Ltd.	1881 Yonge St. Toronto ON	SSW	196.48	<u>55</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON	SSW	196.48	<u>55</u>
Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
Yonge Davisville Health Clinic	1881 Yonge Street Unit 502 Toronto ON	SSW	196.48	<u>55</u>

S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
Meridia Medical	501 - 1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
NOVA QUALITY DRY CLEANER 28-877	1039208 ONT. LTD. 1881 YONGE STREET, UNIT #7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
NOVA QUALITY DRY CLEANERS	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	SSW	196.48	<u>55</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
Meridia Medical	501 - 1881 Yonge Street Toronto ON	SSW	196.48	<u>55</u>
NOVA DRY CLEANERS CORPORATION	1881 YONGE STREET UNIT #7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
S&K DRY CLEANING CORP.	1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	SSW	196.48	<u>55</u>
Meridia Medical	501 - 1881 Yonge Street Toronto ON	SSW	196.48	<u>55</u>
Davisville Family Practice	600-1881 Yonge Street Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
TORONTO TRANSIT COMMISSION	1900 YONGE STREET DAVISVILLE SUBWAY STATION TORONTO ON M5P 1A2	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON M4S 1Z2	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE SUBWAY STATION 1900 YONGE STREET TORONTO ON	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE CARHOUSE 1900 YONGE STREET TORONTO ON M4S 1Z1	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	1900 YONGE STREET TORONTO, ON M5S 1Z2	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	SW	239.14	<u>81</u>
Dr. Jonathan Adam Dentistry Professional Corporati	1867 Yonge Street, Suite 402 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>

Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
1867 Yonge St. (NRL4) Ltd.	1867 Yonge St. Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>
Healthcare 365 Inc.	1867 Yonge Street, Suite 905 Toronto ON	SSW	241.43	<u>84</u>
BRAMALEA LIMITED 05-764	1867 YONGE STREET C/O ONE QUEEN STREET EAST TORONTO ON M4S 1Y5	SSW	241.43	<u>84</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	67 BALLIOL STREET TORONTO ON M4S 1C2	SSE	192.34	<u>54</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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INC - TSSA Incidents

A search of the INC database, dated June 2009-2014 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	43 MILLWOOD RD, TORONTO ON	N	0.27	<u>1</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 4 NPCB site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
BOARD OF EDUCATION FOR CITY OF TORONTO	43 MILLWOOD RD DAVISVILLE PUBLIC SCHOOL TORONTO ON M4S 1J6	N	0.27	<u>1</u>
BOARD OF EDUCATION FOR CITY OF TORONTO	DAVISVILLE PUBLIC SCHOOL; 43 MILLWOOD ROAD TORONTO ON M4S 1J6	N	0.27	<u>1</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE ST TORONTO ON M4S 1Y5	SSW	241.43	84

OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004 has found that there are 6 OPCB site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84
BRAMALEA LIMITED	1867 YONGE STREET TORONTO ON M4S 1Y5	SSW	241.43	84

PES - Pesticide Register

A search of the PES database, dated 1988-Jun 2013 has found that there are 1 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
RIKLIS, LOU HARDWARE DIV. OF 654691 ONTARIO LIMITED	2001 YONGE STREET TORONTO ON M4S 1Z8	NW	230.40	75

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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PRT - Private and Retail Fuel Storage Tanks

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
PIONEER PETROLEUMS ATTN LOLA LAURIE	1965 YONGE ST TORONTO ON M4S 1Z6	WNW	139.17	27

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2015 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
Sunset Flora Builders Corp.	1996, 2000 & 2008 Yonge Street and 23 Glebe Road West Toronto ON	NW	249.44	<u>94</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011 has found that there are 12 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
St. Clair Group Investments Inc.	1920 Yonge St Suite 201 Box 14 Toronto ON	WSW	199.85	<u>56</u>
Aker Metals	1920 Yonge St Suite 301 Toronto ON M4S 3E6	WSW	199.85	<u>56</u>
Creative Dental Studio	1920 Yonge St Unit 101 Toronto ON M4S 3E2	WSW	199.85	<u>56</u>
ST. CLAIR GROUP INVESTMENTS	1920 Yonge St Suite 201 Box 14 Toronto ON M4S 3E2	WSW	199.85	<u>56</u>
Dell'ernia Lamps Co. Ltd.	1980 Yonge St Toronto ON M4S 1Z7	WNW	202.26	<u>58</u>
Passion Inc.	25 Imperial St Suite 100 Toronto ON M5P 1B9	W	212.93	<u>67</u>
Hipguard Canada Ltd.	25 Imperial St Suite 500 Toronto ON M5P 1B9	W	212.93	<u>67</u>
Masters In Business Systems Inc.	1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	WSW	227.34	<u>72</u>
MASTERS IN BUSINESS SYSTEMS	1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	WSW	227.34	<u>72</u>
LETTER PERFECT	93 BALLIOL ST TORONTO ON M4S 1C2	SSE	228.65	<u>73</u>
Seiwa Biodegrader Ltd.	28 Imperial St Toronto ON M5P 1C2	WNW	239.34	<u>82</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
CryptoLogic Inc.	1867 Yonge St Floor 7 Toronto ON M4S 1Y5	SSW	241.43	<u>84</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2014 has found that there are 11 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	43 Millwood Rd Toronto ON	N	0.27	<u>1</u>
METROPOLITAN TORONTO, MUNICIPA	NORTH TORONTO WPCP 101 MILLWOOD ROAD TORONTO CITY ON M4S 1J6	ENE	106.56	<u>19</u>
City of Toronto	21 Davisville Toronto ON	SSW	133.57	<u>24</u>
	23 Belsize Avenue 1/2 INCH GAS LINE<UNOFFICIAL> Toronto ON M4S 1L3	NNW	133.94	<u>25</u>
TORONTO HYDRO	101 DAVISVILLE AVE. TORONTO CITY ON M4S 1G3	ESE	173.03	<u>39</u>
PRIVATE OWNER	1920 YONGE ST - YONGE & DAVISVILLE(TTC) STORAGE TANK/BARREL TORONTO CITY ON	WSW	199.85	<u>56</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE AVE BETW. YONGE & BAYVIEW MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON	SW	175.89	<u>41</u>
TORONTO TRANSIT COMMISSION	DAVISVILLE SUBWAY YARD TORONTO CITY ON	SW	205.93	<u>59</u>
Toronto Transit Commission	1900 Yonge St Toronto ON	SW	239.14	<u>81</u>
TORONTO TRANSIT COMMISSION	TTC BUILDING AT 1900 YONGE ST. TORONTO CITY ON	SW	239.14	<u>81</u>
Toronto Transit Commission	1900 Yonge Street Toronto ON	SW	239.14	<u>81</u>

TANK - Anderson's Storage Tanks

A search of the TANK database, dated 1915-1953* has found that there are 13 TANK site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
Bremer Harry	79 Davisville Ave Toronto ON M4S 1G3	ESE	108.40	<u>20</u>
McCull Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>
Mowers [M R]	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>
Mowers [Rose]	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
McColl Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>
McColl Bros Ltd	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>
Knapp Service Station	1951 Yonge St Toronto ON M4S 1Z3	W	127.97	<u>22</u>
Sun Oil Co Ltd	1966 Yonge St Toronto ON M4S 1Z4	WNW	185.10	<u>48</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
Weeks [George C]	1903 Yonge St Toronto ON	SW	172.04	<u>36</u>
Imperial Oil Co Ltd	1881 Yonge St Toronto ON M4S 3C4	SSW	196.48	<u>55</u>
Ford [Harry M]	1900 Yonge St Toronto ON M4S 1Z2	SW	239.14	<u>81</u>
Ford [Harry M]	1900 Yonge St Toronto ON M4S 1Z2	SW	239.14	<u>81</u>
Imperial Oil Co Ltd	1900 Yonge St Toronto ON M4S 1Z2	SW	239.14	<u>81</u>

VAR - TSSA Variances for Abandonment of Underground Storage Tanks

A search of the VAR database, dated Current to Nov 2014 has found that there are 1 VAR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
TORONTO TRANSIT COMMISSION ATTN: MARIO BORAGINA	1900 YONGE ST TORONTO ON M4S 1Z2	SW	239.14	<u>81</u>

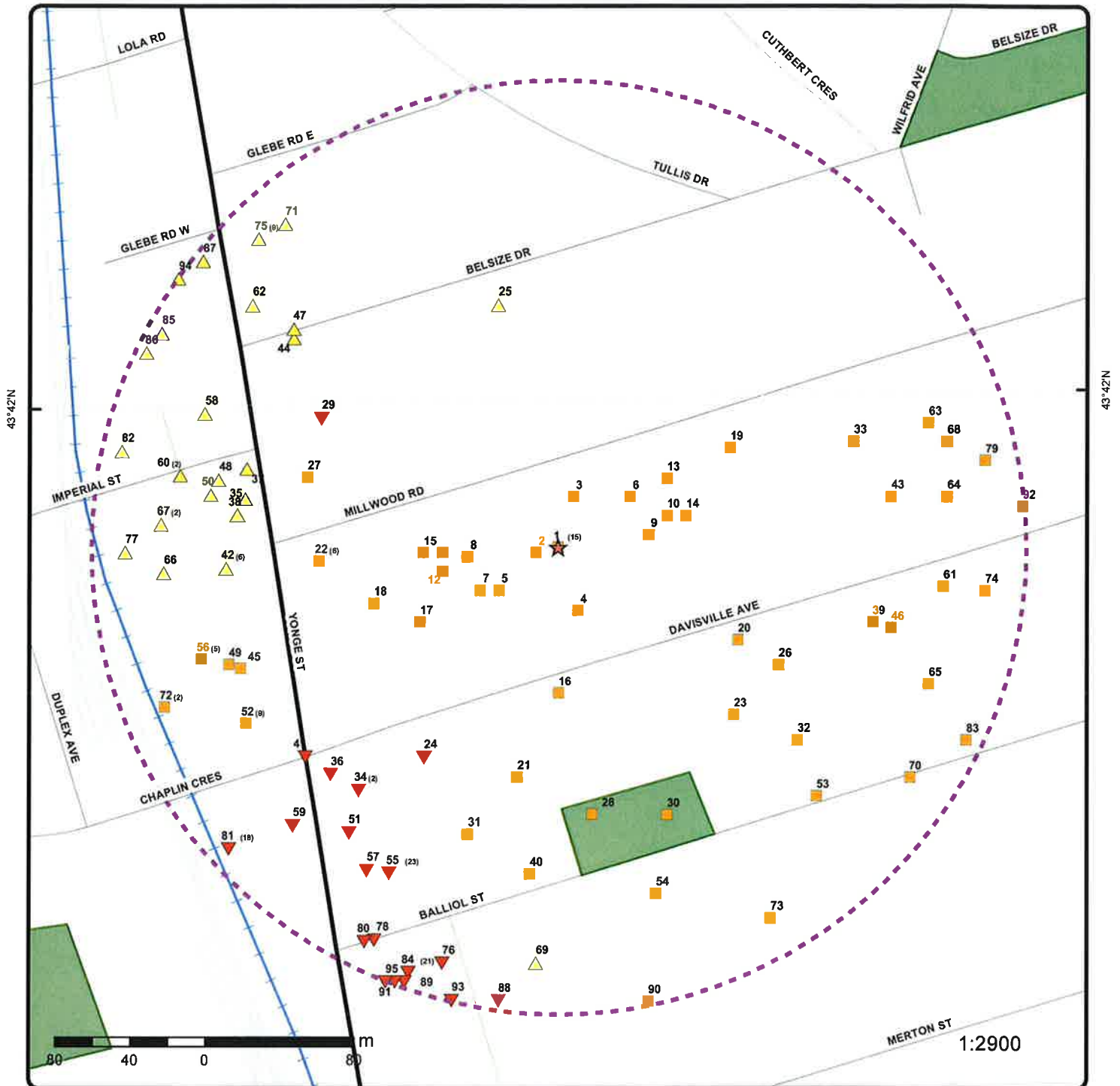
WWIS - Water Well Information System

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	Toronto ON	SSE	35.40	<u>4</u>
	Toronto ON	W	48.69	<u>8</u>
	Toronto ON	WSW	83.56	<u>17</u>
	Toronto ON	WSW	102.85	<u>18</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
	Toronto ON	W	206.04	<u>60</u>
	TORONTO ON	W	206.04	<u>60</u>
	ON	W	211.89	<u>66</u>
	ON	NW	226.87	<u>71</u>
	ON	WNW	243.91	<u>86</u>

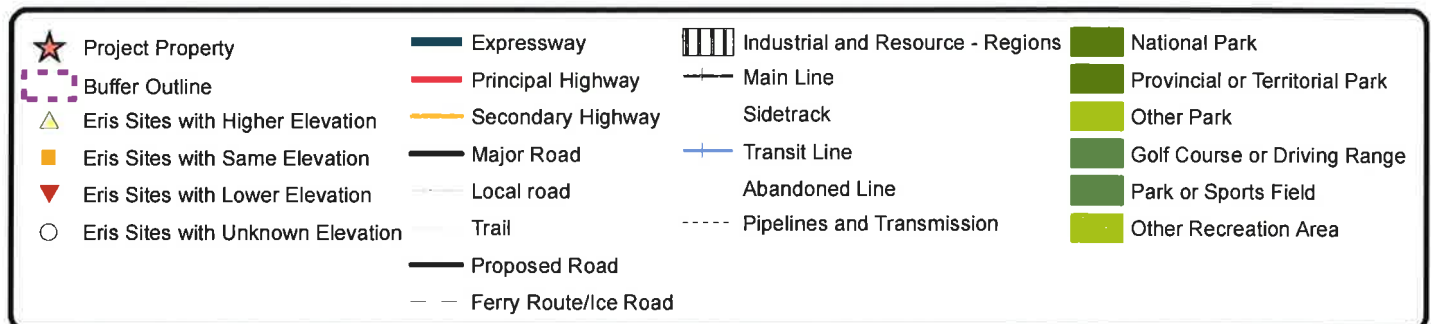
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance m</u>	<u>Map Key</u>
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Map

Order No: 20150507070

Address: 43 Millwood Rd, Toronto, ON, M4S1J6





Aerial

Order No: 20150507070

Address: 43 Millwood Rd, Toronto, ON, M4S1J6

Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>1</u>	1 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON	GEN
Generator #:		ON2720682			
Approval Yrs:		2013			
SIC Code:		611110			
SIC Description:		ELEMENTARY AND SECONDARY SCHOOLS			
--- Details ---					
Waste Code:		243			
Waste Description:		PCBS			
<u>1</u>	2 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN
Generator #:		ON0928617			
Approval Yrs:		00,01			
SIC Code:		8511			
SIC Description:		ELEM./SECON. EDUC.			
--- Details ---					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
+					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
<u>1</u>	3 of 15	N/0.3	151.8	TORONTO BOARD OF EDUCATION 417 METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN
Generator #:		ON0928620			
Approval Yrs:		94,95,96			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>SIC Code: 8511 SIC Description: ELEM./SECON. EDUC.</p> <p>--- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 222 Waste Description: HEAVY FUELS</p>					
<u>1</u>	4 of 15	N/0.3	151.8	TORONTO BOARD OF EDUCATION 414 DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	38- GEN
<p>Generator #: ON0928617 Approval Yrs: 94,95,96 SIC Code: 8511 SIC Description: ELEM./SECON. EDUC.</p> <p>--- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 222 Waste Description: HEAVY FUELS</p>					
<u>1</u>	5 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	GEN
<p>Generator #: ON2720682 Approval Yrs: 2010 SIC Code: 611110 SIC Description: Elementary and Secondary Schools</p> <p>--- Details --- Waste Code: 243 Waste Description: PCBS</p>					
<u>1</u>	6 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	GEN
<p>Generator #: ON2720682 Approval Yrs: 2011 SIC Code: 611110 SIC Description: Elementary and Secondary Schools</p> <p>--- Details --- Waste Code: 243 Waste Description: PCBS</p>					
<u>1</u>	7 of 15	N/0.3	151.8	TORONTO BOARD OF EDUCATION DAVISVILLE P.S. 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Generator #: ON0928617 Approval Yrs: 86,87,88,89,90,92,93,97,98 SIC Code: 0000 SIC Description: *** NOT DEFINED ***</p> <p>--- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 222 Waste Description: HEAVY FUELS</p>					
<u>1</u>	8 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD DAVISVILLE JR P S 43 MILLWOOD RD TORONTO ON M4S 1J6	GEN
<p>Generator #: ON2720682 Approval Yrs: 2012 SIC Code: 611110 SIC Description: Elementary and Secondary Schools</p> <p>--- Details --- Waste Code: 243 Waste Description: PCBS</p>					
<u>1</u>	9 of 15	N/0.3	151.8	TORONTO DISTRICT SCHOOL BOARD METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN
<p>Generator #: ON0928620 Approval Yrs: 00,01 SIC Code: 8511 SIC Description: ELEMNT./SECON. EDUC.</p> <p>--- Details --- Waste Code: 112 Waste Description: ACID WASTE - HEAVY METALS + Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 222 Waste Description: HEAVY FUELS + Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS</p>					
<u>1</u>	10 of 15	N/0.3	151.8	TORONTO BOARD OF EDUCATION METRO TORONTO SCHOOL FOR THE DEAF 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Generator #: ON0928620 Approval Yrs: 86,87,88,89,90,92,93,97,98,99 SIC Code: 0000 SIC Description: *** NOT DEFINED ***</p> <p>--- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 222 Waste Description: HEAVY FUELS</p>					
<u>1</u>	11 of 15	N/0.3	151.8	TORONTO BOARD OF EDUCATION DAVISVILLE PUBLIC SCHOOL 43 MILLWOOD ROAD TORONTO ON M4S 1J6	GEN
<p>Generator #: ON0928617 Approval Yrs: 99 SIC Code: 8511 SIC Description: ELEMNT./SECON. EDUC.</p> <p>--- Details --- Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 222 Waste Description: HEAVY FUELS</p>					
<u>1</u>	12 of 15	N/0.3	151.8	43 MILLWOOD RD, TORONTO ON	INC
<p>Incident ID: Incident Number: 1312686 SR Type: FS-Perform L1 Incident Insp Status Code: Summary: 43 MILLWOOD RD, TORONTO - VAPOUR RELEASE Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater.: Vent Chimney Mater.: Notes: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover:</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Regulator Location: Regulator Type: Operation Pressure: Pipeline Notes: Vapour Release from utility regulator outside Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac.: Liquid Prop Notes:					

<u>1</u>	13 of 15	N/0.3	151.8	BOARD OF EDUCATION FOR CITY OF TORONTO DAVISVILLE PUBLIC SCHOOL; 43 MILLWOOD ROAD TORONTO ON M4S 1J6	NPCB
Company Code: O0218S Transaction Date: 7/15/1993 Inspection Date: Industry: School/Care/Facility Site Status:					

<u>1</u>	14 of 15	N/0.3	151.8	BOARD OF EDUCATION FOR CITY OF TORONTO 43 MILLWOOD RD DAVISVILLE PUBLIC SCHOOL TORONTO ON M4S 1J6	NPCB
Company Code: O0218S Transaction Date: 5/18/2000 Inspection Date: Industry: SCHOOL/CARE/FACILITY Site Status: NEVER BEEN INSPECT. (CAP ONLY)					

--- Details ---

Label:	OR47480
No. of Items:	1
Contents:	0.15 L
Serial No.:	X3409/39
Item/State:	CAPACITOR/FULL
Status:	IN-USE
PCB Type/Code:	ASKAREL/ASKAREL
Location:	
Manufacturer:	
+	
Label:	OR46771
No. of Items:	1
Contents:	4.5 L
Serial No.:	X3409/7

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Item/State: CAPACITOR/FULL Status: IN-USE PCB Type/Code: ASKAREL/ASKAREL Location: Manufacturer: + Label: OR47479 No. of Items: 1 Contents: 0.3 L Serial No.: X4212/13 Item/State: CAPACITOR/FULL Status: IN-USE PCB Type/Code: ASKAREL/ASKAREL Location: Manufacturer: + Label: OR46770 No. of Items: 1 Contents: 4.5 L Serial No.: X4289/28 Item/State: CAPACITOR/FULL Status: IN-USE PCB Type/Code: ASKAREL/ASKAREL Location: Manufacturer: + Label: OR47482 No. of Items: 1 Contents: 0.15 L Serial No.: X3409/41 Item/State: CAPACITOR/FULL Status: IN-USE PCB Type/Code: ASKAREL/ASKAREL Location: Manufacturer:</p>					
<u>1</u>	15 of 15	N/0.3	151.8	43 Millwood Rd Toronto ON	SPL
<p>Ref No.: 4237-9F64TS Incident Dt: 2014/01/07 MOE Reported Dt: 2014/01/07 Contaminant Name: NATURAL GAS (METHANE) Contaminant Quantity: 0 other - see incident description Incident Summary: TSSA- Spill - gas regulator and relief valve Incident Cause: Leak/Break Incident Reason: Unknown / N/A Nature of Impact: Air Pollution Receiving Medium: Environmental Impact: Confirmed</p>					
<u>2</u>	1 of 1	WSW/12.2	151.8	ON	BORE
<p>Borehole ID: 633451 Use: Geotechnical/Geological Investigation Drill Method: Diamond Drill Easting: 629325 Type: Borehole Status: UTM Zone: 17 Northing: 4839723</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m: 7.9				Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date: JUN-1960				Static Water Level:	-999.9
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218466402				Top Depth(m):	0.6
Bottom Depth(m): 3.8				Stratum Desc:	TILL,SAND,SILT. BROWN,GLACIAL,COMPACT, AGE GLACIAL.
+					
Stratum ID: 218466403				Top Depth(m):	3.8
Bottom Depth(m): 7.9				Stratum Desc:	TILL,SAND,SILT, GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 019 018
+					
Stratum ID: 218466400				Top Depth(m):	0.0
Bottom Depth(m): 0.3				Stratum Desc:	SOIL,ORGANIC,CLAY. AGE POST- GLACIAL.
+					
Stratum ID: 218466401				Top Depth(m):	0.3
Bottom Depth(m): 0.6				Stratum Desc:	CLAY,SAND,ORGANIC. BROWN,LACUSTRINE,LOOSE, AGE GLACIAL.

3 1 of 1 NNE/28.3 151.8 ON BORE

Borehole ID:	633452	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Diamond Drill	UTM Zone:	17
Easting:	629345	Northing:	4839753
Location Accuracy:		Orig. Ground Elev m:	155
Elev. Reliability Note:		DEM Ground Elev m:	155
Total Depth m:	7.9	Primary Name:	
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	JUN-1960	Static Water Level:	-999.9
Primary Water Use:	Not Used	Sec. Water Use:	
--- Details ---			
Stratum ID: 218466404		Top Depth(m):	0.0
Bottom Depth(m): 0.1		Stratum Desc:	SOIL,ORGANIC,CLAY, SAND.
+			
Stratum ID: 218466405		Top Depth(m):	0.1
Bottom Depth(m): 0.9		Stratum Desc:	CLAY,SAND,ORGANIC. BROWN,LACUSTRINE,LOOSE, AGE POST-GLACIAL.
+			
Stratum ID: 218466406		Top Depth(m):	0.9

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Bottom Depth(m):	3.9			Stratum Desc:	TILL,SAND,GRAVEL. BROWN,GLACIAL,DENSE, AGE GLACIAL.
+				Top Depth(m):	3.9
Stratum ID:	218466407			Stratum Desc:	TILL,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 017 012 009 000020
Bottom Depth(m):	7.9				
<hr/>					
<u>4</u>	1 of 1	SSE/35.4	151.8	Toronto ON	WWIS
Well ID:	7144079			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629347			Northing Nad83:	4839692
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	15-MAR-10
Sec. Water Use:				Well Depth:	10.06 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Monitoring and Test Hole
Construction Method:	Direct Push			Flowing (y/n):	
Elevation (m):	155.88			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---				Original Depth:	1.22 m
Thickness:	BROWN			Material:	1.22 m
Material Colour:	SAND, GRAVEL, LOOSE			Original Depth:	10.06 m
+				Material:	8.84 m
Thickness:	BROWN				
Material Colour:	SILT, TILL, DENSE				
<hr/>					
<u>5</u>	1 of 1	SW/39.2	151.8	ON	BORE
Borehole ID:	633454			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629305			Northing:	4839703
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	7.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1960			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---				Top Depth(m):	0.0
Stratum ID:	218466412			Stratum Desc:	CLAY,SAND,ORGANIC. BROWN,AGE
Bottom Depth(m):	0.5				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					POST-GLACIAL.
+					
Stratum ID:	218466413			Top Depth(m):	0.5
Bottom Depth(m):	4.9			Stratum Desc:	TILL,SAND,GRAVEL, SILT. BROWN,GLACIAL,COMPACT, AGE GLACIAL.
+					
Stratum ID:	218466414			Top Depth(m):	4.9
Bottom Depth(m):	7.9			Stratum Desc:	TILL,SAND,SILT,CLAY.GREY,GLACIA L,VERY DENSE, AGE GLACIAL. 016 015 010

<u>6</u>	1 of 1	NE/46.8	151.8	ON	BORE
Borehole ID:	633448			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629375			Northing:	4839753
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	7.3			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAY-1965			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218466393			Top Depth(m):	0.0
Bottom Depth(m):	1.4			Stratum Desc:	FILL,CLAY,SILT. BROWN,SOFT.
+					
Stratum ID:	218466394			Top Depth(m):	1.4
Bottom Depth(m):	7.3			Stratum Desc:	TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL. 019 009 00000

<u>7</u>	1 of 1	WSW/47.6	151.8	ON	BORE
Borehole ID:	646950			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629295			Northing:	4839703
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	7.5			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1965			Static Water Level:	.5
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
	Stratum ID: 218517029			Top Depth(m): 0.0	
	Bottom Depth(m): 1.5			Stratum Desc: FILL,CLAY,SILT. BROWN,SOFT.	
	+				
	Stratum ID: 218517030			Top Depth(m): 1.5	
	Bottom Depth(m): 4.2			Stratum Desc: TILL,SILT,SAND. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 510.4 FEET.	
	+				
	Stratum ID: 218517031			Top Depth(m): 4.2	
	Bottom Depth(m): 6.7			Stratum Desc: TILL,SILT,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL.	
	+				
	Stratum ID: 218517032			Top Depth(m): 6.7	
	Bottom Depth(m): 7.5			Stratum Desc: TILL,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 022 010 010	

<u>8</u>	1 of 1	W/48.7	151.8	Toronto ON	WWIS
Well ID:	7144076			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629288			Northing Nad83:	4839721
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	16-MAR-10
Sec. Water Use:				Well Depth:	10 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Monitoring and Test Hole
Construction Method:	Direct Push			Flowing (y/n):	
Elevation (m):	155.32			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.1 m
Material Colour:	HARD			Material:	.1 m
+					
Thickness:	BROWN			Original Depth:	8.5 m
Material Colour:	SAND, SILT, HARD			Material:	8.4 m
+					
Thickness:	GREY			Original Depth:	10 m
Material Colour:	SAND, , HARD			Material:	1.5 m

<u>9</u>	1 of 1	E/48.7	151.8	ON	BORE
Borehole ID:	633449			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Drill Method:	Power auger			UTM Zone:	17
Easting:	629385			Northing:	4839733
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	7.2			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAY-1965			Static Water Level:	.2
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218466395			Top Depth(m):	0.0
Bottom Depth(m):	1.4			Stratum Desc:	FILL,CLAY,SILT. BROWN,SOFT.
+					
Stratum ID:	218466396			Top Depth(m):	1.4
Bottom Depth(m):	7.2			Stratum Desc:	TILL,SILT,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 511.8 FEET.0000001000045100
10	1 of 1	ENE/60.7	151.8	ON	BORE
Borehole ID:	633453			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629395			Northing:	4839743
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	7.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1960			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218466408			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	SOIL,ORGANIC,CLAY. BROWN,AGE POST-GLACIAL.
+					
Stratum ID:	218466409			Top Depth(m):	0.1
Bottom Depth(m):	0.6			Stratum Desc:	CLAY,SAND,ORGANIC. BROWN,LACUSTRINE,AGE GLACIAL.
+					
Stratum ID:	218466410			Top Depth(m):	0.6
Bottom Depth(m):	4.1			Stratum Desc:	TILL,SAND,CLAY, GRAVEL. BROWN,GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:	218466411			Top Depth(m):	4.1
Bottom Depth(m):	7.9			Stratum Desc:	TILL,SAND,SILT, GRAVEL. GREY,GLACIAL,DENSE, AGE GLACIAL. 021 021

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					010
<u>11</u>	1 of 2	W/61.9	151.8	ON	BORE
Borehole ID:	646951			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629275			Northing:	4839723
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	7.2			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1965			Static Water Level:	.5
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218517033			Top Depth(m):	0.0
Bottom Depth(m):	1.4			Stratum Desc:	FILL,CLAY,SILT. BROWN,SOFT.
+					
Stratum ID:	218517034			Top Depth(m):	1.4
Bottom Depth(m):	4.1			Stratum Desc:	TILL,SILT,SAND. BROWN,GLACIAL,SOFT, AGE GLACIAL, WATER STABLE AT 510.7 FEET.
+					
Stratum ID:	218517035			Top Depth(m):	4.1
Bottom Depth(m):	6.4			Stratum Desc:	TILL,SILT,SAND. GREY,GLACIAL,SOFT,AGE GLACIAL.
+					
Stratum ID:	218517036			Top Depth(m):	6.4
Bottom Depth(m):	7.2			Stratum Desc:	TILL,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 00005IAL.
<u>11</u>	2 of 2	W/61.9	151.8	ON	BORE
Borehole ID:	633450			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629275			Northing:	4839723
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	7.6			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1960			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218466397			Top Depth(m):	0.0

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Bottom Depth(m):	0.6			Stratum Desc:	CLAY,SAND. BROWN,LACUSTRINE,AGE GLACIAL.
+				Top Depth(m):	0.6
Stratum ID:	218466398			Stratum Desc:	TILL,SAND,SILT, GRAVEL. BROWN,GLACIAL,DENSE, AGE GLACIAL.
Bottom Depth(m):	4.0				
+				Top Depth(m):	4.0
Stratum ID:	218466399			Stratum Desc:	TILL,SAND,SILT, GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 014 010
Bottom Depth(m):	7.6				

12 1 of 1 WSW/63.1 151.8 ON BORE

Borehole ID:	646953	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Power auger	UTM Zone:	17
Easting:	629275	Northing:	4839713
Location Accuracy:		Orig. Ground Elev m:	156
Elev. Reliability Note:		DEM Ground Elev m:	155
Total Depth m:	7.2	Primary Name:	
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	JUN-1966	Static Water Level:	.4
Primary Water Use:	Not Used	Sec. Water Use:	

--- Details ---

Stratum ID:	218517040	Top Depth(m):	0.0
Bottom Depth(m):	1.4	Stratum Desc:	FILL,CLAY,SILT. BROWN,SOFT.
+			
Stratum ID:	218517041	Top Depth(m):	1.4
Bottom Depth(m):	3.8	Stratum Desc:	TILL,SILT,SAND. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 511.1 FEET.
+			
Stratum ID:	218517042	Top Depth(m):	3.8
Bottom Depth(m):	7.2	Stratum Desc:	TILL,SILT,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 0000009000451000012512000006

13 1 of 1 ENE/69.0 151.8 ON BORE

Borehole ID:	633447	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Power auger	UTM Zone:	17
Easting:	629395	Northing:	4839763
Location Accuracy:		Orig. Ground Elev m:	156
Elev. Reliability Note:		DEM Ground Elev m:	156

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Total Depth m: 7.2				Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date: MAY-1965				Static Water Level: .2	
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218466390				Top Depth(m): 0.0	
Bottom Depth(m): 1.4				Stratum Desc: FILL,STONES,CLAY, SILT, BROWN,SOFT.	
+					
Stratum ID: 218466391				Top Depth(m): 1.4	
Bottom Depth(m): 6.4				Stratum Desc: TILL,SILT,SAND. BROWN,GLACIAL,DENSE, AGE GLACIAL, WATER STABLE AT 511.9 FEET.	
+					
Stratum ID: 218466392				Top Depth(m): 6.4	
Bottom Depth(m): 7.2				Stratum Desc: TILL,SAND,GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 0004506000005	
14	1 of 1	ENE/70.4	151.8	ON	BORE
Borehole ID: 633446				Type: Borehole	
Use: Geotechnical/Geological Investigation				Status:	
Drill Method: Power auger				UTM Zone: 17	
Easting: 629405				Northing: 4839743	
Location Accuracy:				Orig. Ground Elev m: 156	
Elev. Reliability Note:				DEM Ground Elev m: 156	
Total Depth m: 7.5				Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date: MAY-1965				Static Water Level: .2	
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218466387				Top Depth(m): 0.0	
Bottom Depth(m): 1.5				Stratum Desc: FILL,GRAVEL,CLAY, SILT. BROWN,SOFT.	
+					
Stratum ID: 218466388				Top Depth(m): 1.5	
Bottom Depth(m): 6.7				Stratum Desc: TILL,SILT,SAND, STONES. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 511.4 FEET.	
+					
Stratum ID: 218466389				Top Depth(m): 6.7	
Bottom Depth(m): 7.5				Stratum Desc: TILL,SAND,GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 021 010 010	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>15</u>	1 of 1	W/71.9	151.8	ON	BORE
Borehole ID:		646952	Type: Borehole		
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Power auger	UTM Zone: 17		
Easting:		629265	Northing: 4839723		
Location Accuracy:			Orig. Ground Elev m: 156		
Elev. Reliability Note:			DEM Ground Elev m: 155		
Total Depth m:		7.3	Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		JUN-1966	Static Water Level: -999.9		
Primary Water Use:		Not Used	Sec. Water Use:		
--- Details ---					
Stratum ID:		218517037	Top Depth(m):		0.0
Bottom Depth(m):		1.4	Stratum Desc:		FILL,CLAY,SILT. BROWN,SOFT.
+					
Stratum ID:		218517038	Top Depth(m):		1.4
Bottom Depth(m):		3.9	Stratum Desc:		TILL,SILT,SAND. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:		218517039	Top Depth(m):		3.9
Bottom Depth(m):		7.3	Stratum Desc:		TILL,SILT,SAND. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 009 008 000000080004510
<u>16</u>	1 of 1	S/77.9	151.8	33 Davisville Avenue Toronto ON M4S 2Y9	EHS
Order No.:		20120120004			
Report Date:		1/30/2012 9:56:16 AM			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<u>17</u>	1 of 1	WSW/83.6	151.8	Toronto ON	WWIS
Well ID:		7144077	Lot:		
Concession:			Concession Name:		
County:		YORK	Municipality:		TORONTO CITY
Easting Nad83:		629263	Northing Nad83:		4839686
Zone:		17	Utm Reliability:		margin of error : 30 m - 100 m
Primary Water Use:		Monitoring and Test Hole	Construction Date:		16-MAR-10
Sec. Water Use:			Well Depth:		10 m
Pump Rate:			Static Water Level:		
Flow Rate:			Clear/Cloudy:		
Specific Capacity:			Final Well Status:		Monitoring and Test Hole
Construction Method:		Direct Push	Flowing (y/n):		
Elevation (m):		154.98	Elevation		

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.1 m
Material Colour:	HARD			Material:	.1 m
+					
Thickness:	BROWN			Original Depth:	8.5 m
Material Colour:	SAND, SILT, HARD			Material:	8.4 m
+					
Thickness:	GREY			Original Depth:	10 m
Material Colour:	SAND, , HARD			Material:	1.5 m
<u>18</u>	1 of 1	WSW/102.8	151.8	Toronto ON	WWIS
Well ID:	7144078			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629238			Northing Nad83:	4839696
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	15-MAR-10
Sec. Water Use:				Well Depth:	9.75 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Monitoring and Test Hole
Construction Method:	Direct Push			Flowing (y/n):	
Elevation (m):	155.08			Elevation	
Depth to Bedrock:				Reliability:	
Water Type:				Overburden/Bedrock:	
--- Details ---					
Thickness:	BROWN			Original Depth:	1.22 m
Material Colour:	SAND, GRAVEL, LOOSE			Material:	1.22 m
+					
Thickness:	BROWN			Original Depth:	9.75 m
Material Colour:	SILT, TILL, DENSE			Material:	8.53 m
<u>19</u>	1 of 1	ENE/106.6	151.8	METROPOLITAN TORONTO, MUNICIPALITY OF NORTH TORONTO WPCP 101 MILLWOOD ROAD TORONTO CITY ON M4S 1J6	SPL
Ref No.:	165953				
Incident Dt:	3/26/1999				
MOE Reported Dt:	3/29/1999				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	METRO PUC- UNK QUANT. OF FERRIC CHLORIDE FLUSHED TO AERATION TANKS.				
Incident Cause:	CONTAINER OVERFLOW				
Incident Reason:	UNKNOWN				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Nature of Impact:		Water course or lake			
Receiving Medium:		WATER			
Environmental Impact:		POSSIBLE			
<u>20</u>	1 of 1	ESE/108.4	151.8	Bremer Harry 79 Davisville Ave Toronto ON M4S 1G3	TANK
Permit Date:		6/13/1930			
Permit Type:		BP A30666			
User Type:					
Installation Type:		Gasoline tank			
Installation Size:					
Installation Config.:		1 x Gasoline tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		100			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:					
<u>21</u>	1 of 1	S/124.9	151.8	ON	BORE
Borehole ID:		637223		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629315			
Location Accuracy:					
Elev. Reliability Note:					
Total Depth m:		9			
Township:					
Lot:					
Completion Date:		AUG-1965			
Primary Water Use:		Not Used			
--- Details ---					
Stratum ID:		218480126		Top Depth(m): 0.0	
Bottom Depth(m):		3.5			
+					
Stratum ID:		218480127		Top Depth(m): 3.5	
Bottom Depth(m):		8.2			
+					
Stratum ID:		218480128		Top Depth(m): 8.2	
Bottom Depth(m):		9.0			
				Stratum Desc: SAND-MEDIUM. BROWN,LACUSTRINE,VERY DENSE, AGE GLACIAL. 00000024001141070027016000029ACI	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>22</u>	1 of 6	W/128.0	151.8	Knapp Service Station 1951 Yonge St Toronto ON M4S 1Z3	TANK
Permit Date:		1924			
Permit Type:					
User Type:		Gasoline service station			
Installation Type:					
Installation Size:					
Installation Config.:					
No. Tanks Installed:					
Units of Measure:					
Value/Tank (\$):					
Capacity(gal):					
Reference:		CTA Toronto City Council Minutes 1924 Appendix A 960			
Location Desc:		se cor Yonge & Millwood			
<u>22</u>	2 of 6	W/128.0	151.8	Mowers [Rose] 1951 Yonge St Toronto ON M4S 1Z3	TANK
Permit Date:		10/19/1923			
Permit Type:		BP 74693			
User Type:		Gasoline service station			
Installation Type:		Gasoline tanks			
Installation Size:					
Installation Config.:		3 gasoline tanks			
No. Tanks Installed:		3			
Units of Measure:					
Value/Tank (\$):		2500			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:		Yonge se cor Millwood			
<u>22</u>	3 of 6	W/128.0	151.8	Mowers [M R] 1951 Yonge St Toronto ON M4S 1Z3	TANK
Permit Date:		1923			
Permit Type:		To erect			
User Type:		Gasoline service station			
Installation Type:		Gasoline service station			
Installation Size:					
Installation Config.:		gasoline service station			
No. Tanks Installed:					
Units of Measure:					
Value/Tank (\$):					
Capacity(gal):					
Reference:		TCM 1923 A: 1201			
Location Desc:		cor Millwood Rd & Yonge St			
<u>22</u>	4 of 6	W/128.0	151.8	McCull Bros Ltd 1951 Yonge St Toronto ON M4S 1Z3	TANK

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Permit Date: 1/31/1930 Permit Type: BP A28104 User Type: Gasoline service station Installation Type: Service station Installation Size: Installation Config.: Service station No. Tanks Installed: Units of Measure: Value/Tank (\$): 10000 Capacity(gal): Reference: CTA Building permits Location Desc: Yonge St se cor Millwood</p>					
<u>22</u>	5 of 6	W/128.0	151.8	McColl Bros Ltd 1951 Yonge St Toronto ON M4S 1Z3	TANK
<p>Permit Date: 5/13/1930 Permit Type: BP A29783 User Type: Gasoline service station Installation Type: Gasoline tank Installation Size: Installation Config.: 3 x gasoline tanks No. Tanks Installed: 3 Units of Measure: Value/Tank (\$): 750 Capacity(gal): Reference: CTA Building permits Location Desc: Yonge St se cor Millwood</p>					
<u>22</u>	6 of 6	W/128.0	151.8	McColl Bros Ltd 1951 Yonge St Toronto ON M4S 1Z3	TANK
<p>Permit Date: 10/24/1931 Permit Type: BP A40188 User Type: Gasoline service station Installation Type: gasoline tank Installation Size: Installation Config.: gasoline tank No. Tanks Installed: 1 Units of Measure: Value/Tank (\$): 300 Capacity(gal): Reference: CTA Building Permits Index Location Desc: Yonge St SE cor Millwood</p>					
<u>23</u>	1 of 1	SE/130.0	151.8	77 Davisville Avenue Toronto ON	EHS
<p>Order No.: 20140623021 Report Date: 26-JUN-14 Report Type: Custom Report Search Radius (km): .25 Addit. Info Ordered:</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>24</u>	1 of 1	SSW/133.6	151.8	City of Toronto 21 Davisville Toronto ON	SPL
<p>Ref No.: 7701-97LUFB Incident Dt: 11-MAY-13 MOE Reported Dt: 11-MAY-13 Contaminant Name: SEALANT (N.O.S.) Contaminant Quantity: 0 other - see incident description Incident Summary: Toronto Water: Hardened tar to catchbasin, not cleaned Incident Cause: Operator/Human error Incident Reason: Operator/Human Error Nature of Impact: Other Impact(s) Receiving Medium: Environmental Impact: Not Anticipated</p>					
<u>25</u>	1 of 1	NNW/133.9	152.4	23 Belsize Avenue 1/2 INCH GAS LINE<UNOFFICIAL> Toronto ON M4S 1L3	SPL
<p>Ref No.: 8351-6SBJ4Z Incident Dt: 8/3/2006 MOE Reported Dt: 8/3/2006 Contaminant Name: NATURAL GAS (METHANE) Contaminant Quantity: not specified n/a Incident Summary: TSSA: 1/2 inch gas line break, 23 Belsize Avenue Incident Cause: Discharge or Emission to Air Incident Reason: Negligence (Apparent) - Caused by lack of diligence Nature of Impact: Air Pollution Receiving Medium: Air Environmental Impact: Possible</p>					
<u>26</u>	1 of 1	ESE/133.9	151.8	ON	BORE
<p>Borehole ID: 637226 Type: Borehole Use: Geotechnical/Geological Investigation Status: Drill Method: Power auger UTM Zone: 17 Easting: 629455 Northing: 4839663 Location Accuracy: Orig. Ground Elev m: 155 Elev. Reliability Note: DEM Ground Elev m: 156 Total Depth m: 5.9 Primary Name: Township: Concession: Lot: Municipality: Completion Date: AUG-1965 Static Water Level: .6 Primary Water Use: Not Used Sec. Water Use:</p> <p>--- Details --- Stratum ID: 218480133 Top Depth(m): 0.0 Bottom Depth(m): 4.1 Stratum Desc: TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.</p> <p>+</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID: 218480134				Top Depth(m): 4.1	
Bottom Depth(m): 5.9				Stratum Desc: TILL,SILT. GREY, GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 508.5 FEET. 020	
<u>27</u>	1 of 1	WNW/139.2	151.8	PIONEER PETROLEUMS ATTN LOLA LAURIE 1965 YONGE ST TORONTO ON M4S 1Z6	PRT
Location ID: 15718					
Type: retail					
Expiry Date: 1993-06-30					
Capacity (L): 104400					
Licence #: 0020921030					
<u>28</u>	1 of 1	S/144.0	151.8	ON	BORE
Borehole ID: 637224				Type: Borehole	
Use: Geotechnical/Geological Investigation				Status:	
Drill Method: Power auger				UTM Zone: 17	
Easting: 629355				Northing: 4839583	
Location Accuracy:				Orig. Ground Elev m: 155	
Elev. Reliability Note:				DEM Ground Elev m: 155	
Total Depth m: 5.9				Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date: AUG-1965				Static Water Level: .6	
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218480129				Top Depth(m): 0.0	
Bottom Depth(m): 2.5				Stratum Desc: TILL,SILT. BROWN, GLACIAL, DENSE, AGE GLACIAL.	
+					
Stratum ID: 218480130				Top Depth(m): 2.5	
Bottom Depth(m): 5.9				Stratum Desc: TILL,SILT. GREY, GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 506.8 FEET. 010 0000000	
<u>29</u>	1 of 1	WNW/144.3	151.8	PIONEER ENERGY MANAGEMENT INC. 1965 YONGE ST TORONTO ON M4S 1Z6	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number: 9538248					
Instance Type: FS Facility					
Status: EXPIRED					
Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>30</u>	1 of 1	SSE/154.3	151.8	ON	BORE
Borehole ID:	637225			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629395			Northing:	4839583
Location Accuracy:				Orig. Ground Elev m:	154
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	5.8			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	AUG-1965			Static Water Level:	.6
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218480132			Top Depth(m):	3.1
Bottom Depth(m):	5.8			Stratum Desc:	TILL,SILT. GREY, GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 506.2 FEET.00000050001011400000
+					
Stratum ID:	218480131			Top Depth(m):	0.0
Bottom Depth(m):	3.1			Stratum Desc:	TILL,SILT. BROWN, GLACIAL, VERY DENSE, AGE GLACIAL.
<u>31</u>	1 of 1	SSW/161.1	151.8	VIDEO 99 22 BALLIOL STREET TORONTO ON M4S 1C1	GEN
Generator #:	ON1477401				
Approval Yrs:	94,95,96,97,98,99,00,01				
SIC Code:	6571				
SIC Description:	CAMERA/PHOTO. SUPPLY				
--- Details ---					
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				
<u>32</u>	1 of 1	SE/164.4	151.8	ON	BORE
Borehole ID:	637227			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629465			Northing:	4839623
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	18.6			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	AUG-1965			Static Water Level:	1.3
Primary Water Use:	Not Used			Sec. Water Use:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Stratum ID:	218480135			Top Depth(m):	0.0
Bottom Depth(m):	4.5			Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218480136			Top Depth(m):	4.5
Bottom Depth(m):	7.9			Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 505.6 FEET.
+					
Stratum ID:	218480137			Top Depth(m):	7.9
Bottom Depth(m):	13.0			Stratum Desc:	SAND. GREY,LACUSTRINE,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218480138			Top Depth(m):	13.0
Bottom Depth(m):	18.6			Stratum Desc:	TILL,CLAY. GREY,GLACIAL,HARD,AGE GLACIAL. 013 010 016 00000060001490
33	1 of 1	ENE/168.2	151.8	ON	BORE
Borehole ID:	639747			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629495			Northing:	4839783
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	6.4			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1956			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218489490			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	CLAY,SAND. BROWN,GREY,FIRM, AGE QUATERNARY.
+					
Stratum ID:	218489491			Top Depth(m):	1.2
Bottom Depth(m):	3.0			Stratum Desc:	SAND-MEDIUM,CLAY. BROWN,GREY,LACUSTRINE,COMPACT,AGE GLACIAL.
+					
Stratum ID:	218489492			Top Depth(m):	3.0
Bottom Depth(m):	6.4			Stratum Desc:	SAND,SILT,GRAVEL. GREY,FLUVIO-GLACIAL, VERY DENSE,AGE GLACIAL. 000000090004001600100070G
34	1 of 2	SW/168.3	151.7	IRON DEVELOPMENTS LTD. 1901 YONGE STREET	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
TORONTO CITY ON M4S 1Y6					
Certificate #:		8-3238-94-			
Application Year:		94			
Issue Date:		9/22/1994			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		DIESEL GEN-SET FOR APT. BLDG.			
Contaminants:		Nitrogen Oxides, Stoddard Solvent			
Emission Control:		Vibration Control Equip			
<u>34</u>	2 of 2	SW/168.3	151.7	TSE Management Services Inc. 1901 Yonge Street Toronto ON M4S 1Y6	GEN
Generator #:		ON3326125			
Approval Yrs:		2011			
SIC Code:		531310			
SIC Description:					
<u>35</u>	1 of 1	W/169.4	152.0	1962 YONGE STREET TORONTO ON M4S 1Z4	EHS
Order No.:		20080102010			
Report Date:		1/7/2008			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<u>36</u>	1 of 1	SW/172.0	151.8	Weeks [George C] 1903 Yonge St Toronto ON	TANK
Permit Date:		10/28/1920			
Permit Type:		BP 45993			
User Type:					
Installation Type:		Gasoline tank			
Installation Size:					
Installation Config.:		1 x Gasoline tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		250			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:					
<u>37</u>	1 of 1	WNW/172.0	152.0	ON	BORE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Borehole ID:	636370			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629170			Northing:	4839768
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	13.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1965			Static Water Level:	1.4
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218476668			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	ASPHALT.
+					
Stratum ID:	218476669			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	CONCRETE.
+					
Stratum ID:	218476670			Top Depth(m):	0.2
Bottom Depth(m):	3.0			Stratum Desc:	TILL,SILT,SAND, STONES. BROWN,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476671			Top Depth(m):	3.0
Bottom Depth(m):	3.4			Stratum Desc:	BOULDERS. FLUVIO-GLACIAL,AGE GLACIAL, WATER STABLE AT 507.3 FEET.
+					
Stratum ID:	218476672			Top Depth(m):	3.4
Bottom Depth(m):	4.6			Stratum Desc:	CLAY,SAND,STONES. BROWN,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476673			Top Depth(m):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	CLAY,SILT,STONES. GREY,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476674			Top Depth(m):	6.1
Bottom Depth(m):	9.1			Stratum Desc:	SAND-MEDIUM,SILT. GREY,GLACIAL,WET,AGE GLACIAL.
+					
Stratum ID:	218476675			Top Depth(m):	9.1
Bottom Depth(m):	13.7			Stratum Desc:	SAND,SILT,CLAY. GREY,GLACIAL,WET,AGE GLACIAL. 00008050002001050030010000028181 180
38	1 of 1	W/172.7	152.0	ON	BORE
Borehole ID:	637897			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629165			Northing:	4839743

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location Accuracy:				Orig. Ground Elev m:	156
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:		13.7	Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		APR-1965	Static Water Level:		
Primary Water Use:		Not Used	Sec. Water Use:		
--- Details ---					
Stratum ID:		218482137	Top Depth(m):		0.0
Bottom Depth(m):		3.0	Stratum Desc:		TILL,SAND,SILT, STONES. BROWN,GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:		218482138	Top Depth(m):		3.0
Bottom Depth(m):		4.6	Stratum Desc:		CLAY,SAND. BROWN,GLACIAL,HARD, AGE GLACIAL.
+					
Stratum ID:		218482139	Top Depth(m):		4.6
Bottom Depth(m):		6.1	Stratum Desc:		CLAY,SILT,STONES. GREY,GLACIAL,HARD,AGE GLACIAL.
+					
Stratum ID:		218482140	Top Depth(m):		6.1
Bottom Depth(m):		9.1	Stratum Desc:		SAND-MEDIUM,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:		218482141	Top Depth(m):		9.1
Bottom Depth(m):		13.7	Stratum Desc:		SAND,SILT,CLAY. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 00000040001000600015006000200100 00300100
<u>39</u>	1 of 1	ESE/173.0	151.8	TORONTO HYDRO 101 DAVISVILLE AVE. TORONTO CITY ON M4S 1G3	SPL
Ref No.:		10687			
Incident Dt:		8/27/1988			
MOE Reported Dt:		8/27/1988			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		TORONTO HYDRO - UNKNOWN	AMOUNT OF TRANSFORMER	OIL TO GROUND & SEWER.	
Incident Cause:		COOLING SYSTEM LEAK			
Incident Reason:		ERROR			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:					
<u>40</u>	1 of 1	S/175.6	151.8	VIDEO 99 32B BALLIOL STREET TORONTO, ON M4S 1C1	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON1477402			
Approval Yrs:		94			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
<u>41</u>	1 of 1	SW/175.9	151.8	TORONTO TRANSIT COMMISSION DAVISVILLE AVE BETW. YONGE & BAYVIEW MOTOR VEHICLE (OPERATING FLUID) TORONTO CITY ON	SPL
Ref No.:		146102			
Incident Dt:		9/5/1997			
MOE Reported Dt:		9/5/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		TTC- 15L MOTOR OIL TO RD CLEANED. FD PD.			
Incident Cause:		PIPE/HOSE LEAK			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			
<u>42</u>	1 of 6	W/178.0	151.9	Granite Property Management Inc 1950 Yonge St Toronto ON M4S 1Z4	GEN
Generator #:		ON8914104			
Approval Yrs:		2010			
SIC Code:		531310			
SIC Description:		Real Estate Property Managers			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<u>42</u>	2 of 6	W/178.0	151.9	Colson technical services 1950 Yonge st Toronto ON M4S 1Z4	GEN
Generator #:		ON7228440			
Approval Yrs:		2011			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>42</u>	3 of 6	W/178.0	151.9	Colson technical services 1950 Yonge st Toronto ON M4S 1Z4	GEN
Generator #:		ON7228440			
Approval Yrs:		As of April 2014			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
<u>42</u>	4 of 6	W/178.0	151.9	Colson technical services 1950 Yonge st Toronto ON M4S 1Z4	GEN
Generator #:		ON7228440			
Approval Yrs:		2010			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>42</u>	5 of 6	W/178.0	151.9	Colson technical services 1950 Yonge st Toronto ON	GEN
Generator #:		ON7228440			
Approval Yrs:		2013			
SIC Code:		621210			
SIC Description:		OFFICES OF DENTISTS			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>42</u>	6 of 6	W/178.0	151.9	Colson technical services 1950 Yonge st Toronto ON M4S 1Z4	GEN
Generator #:		ON7228440			
Approval Yrs:		2012			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>43</u>	1 of 1	E/180.3	151.8	ON	BORE
Borehole ID:		639748		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Diamond Drill			
Easting:		629515		UTM Zone: 17	
Location Accuracy:				Northing: 4839753	
Elev. Reliability Note:				Orig. Ground Elev m: 156	
Total Depth m: 6.4				DEM Ground Elev m: 156	
		Primary Name:			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Township:				Concession:	
Lot:				Municipality:	
Completion Date: JUL-1956				Static Water Level: -999.9	
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218489493				Top Depth(m): 0.0	
Bottom Depth(m): 0.3				Stratum Desc: SOIL. BLACK,AGE QUATERNARY.	
+					
Stratum ID: 218489494				Top Depth(m): 0.3	
Bottom Depth(m): 0.6				Stratum Desc: CLAY,SAND. BROWN,FIRM,AGE QUATERNARY.	
+					
Stratum ID: 218489495				Top Depth(m): 0.6	
Bottom Depth(m): 2.4				Stratum Desc: CLAY,SAND. BROWN,LACUSTRINE,STIFF, AGE GLACIAL.	
+					
Stratum ID: 218489496				Top Depth(m): 2.4	
Bottom Depth(m): 4.1				Stratum Desc: SAND-MEDIUM,CLAY. BROWN,LACUSTRINE,DENSE, AGE GLACIAL.	
+					
Stratum ID: 218489497				Top Depth(m): 4.1	
Bottom Depth(m): 5.8				Stratum Desc: SAND-MEDIUM,CLAY. BROWN,LACUSTRINE,VERY DENSE, AGE GLACIAL.	
+					
Stratum ID: 218489498				Top Depth(m): 5.8	
Bottom Depth(m): 6.4				Stratum Desc: SAND,GRAVEL. GREY,FLUVIO-GLACIAL, VERY DENSE,AGE GLACIAL. 00020011000800450013505800190055	

44	1 of 1	NW/180.8	152.2	ON	BORE
Borehole ID: 636371				Type: Borehole	
Use: Geotechnical/Geological Investigation				Status:	
Drill Method: Diamond Drill				UTM Zone: 17	
Easting: 629195				Northing: 4839838	
Location Accuracy:				Orig. Ground Elev m: 156	
Elev. Reliability Note:				DEM Ground Elev m: 155	
Total Depth m: 13.7				Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date: JUN-1965				Static Water Level: 1.4	
Primary Water Use: Not Used				Sec. Water Use:	
--- Details ---					
Stratum ID: 218476677				Top Depth(m): 1.5	
Bottom Depth(m): 3.0				Stratum Desc: TILL,SILT,SAND, STONES. BROWN,GLACIAL,AGE GLACIAL, WATER STABLE AT 508.9 FEET.	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	218476678			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	CLAY,SAND,STONES. BROWN,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476679			Top Depth(m):	4.6
Bottom Depth(m):	7.6			Stratum Desc:	CLAY,SAND,STONES. GREY,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476680			Top Depth(m):	7.6
Bottom Depth(m):	13.7			Stratum Desc:	CLAY,SILT,STONES. GREY,GLACIAL,WET,AGE GLACIAL. 00050050001000540015008200250090 00031SAND,S
+					
Stratum ID:	218476676			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL,CLAY,SAND,SOIL.
45	1 of 1	WSW/181.9	151.8	1910 & 1920 Yonge Street Toronto ON	EHS
Order No.:	20101019040				
Report Date:	10/28/2010				
Report Type:	Standard Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					
46	1 of 1	ESE/183.3	151.8	ON	BORE
Borehole ID:	637229			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629515			Northing:	4839683
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	6.4			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	AUG-1965			Static Water Level:	.5
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218480142			Top Depth(m):	0.0
Bottom Depth(m):	4.4			Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218480143			Top Depth(m):	4.4
Bottom Depth(m):	6.4			Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 508.7 FEET.00000100001453000000

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>47</u>	1 of 1	NW/183.9	152.2	ON	BORE
Borehole ID:		637898	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Power auger	UTM Zone:		17
Easting:		629195	Northing:		4839843
Location Accuracy:			Orig. Ground Elev m:		156
Elev. Reliability Note:			DEM Ground Elev m:		155
Total Depth m:		13.7	Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date:		MAY-1965	Static Water Level:		-999.9
Primary Water Use:		Not Used	Sec. Water Use:		
--- Details ---					
Stratum ID:		218482142	Top Depth(m):		0.0
Bottom Depth(m):		1.5	Stratum Desc:		FILL,SAND,CLAY, STONES.
+			Top Depth(m):		1.5
Stratum ID:		218482143	Stratum Desc:		TILL,SILT,SAND. BROWN,GLACIAL,DENSE, AGE GLACIAL.
Bottom Depth(m):		3.0	Top Depth(m):		3.0
+			Stratum Desc:		CLAY,SAND,STONES. BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:		218482144	Top Depth(m):		4.6
Bottom Depth(m):		4.6	Stratum Desc:		CLAY,SAND. GREY,GLACIAL,VERY HARD, AGE GLACIAL.
+			Top Depth(m):		7.6
Stratum ID:		218482145	Stratum Desc:		CLAY,SILT,STONES. GREY,GLACIAL,VERY HARD, AGE GLACIAL. 00050040001000500015010000250120 00004000
Bottom Depth(m):		13.7			

<u>48</u>	1 of 1	WNW/185.1	152.2	Sun Oil Co Ltd 1966 Yonge St Toronto ON M4S 1Z4	TANK
Permit Date:		6/16/1933			
Permit Type:		BP A47582			
User Type:		Gasoline service station			
Installation Type:		service station			
Installation Size:					
Installation Config.:		service station			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		7800			
Capacity(gal):					
Reference:		CTA Building Permits			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location Desc:		Yonge St SW cor Imperial St			
<u>49</u>	1 of 1	WSW/187.0	151.8	1910 Yonge St Toronto ON M4S3B2	EHS
Order No.:		20140526023			
Report Date:		30-MAY-14			
Report Type:		Standard Report			
Search Radius (km):		.25			
Addit. Info Ordered:					
<u>50</u>	1 of 1	W/187.8	152.1	Kilbarry Holding Corporation 1962 Yonge Street Suite 200 Toronto ON M4S 1Z4	GEN
Generator #:		ON3756437			
Approval Yrs:		2011			
SIC Code:		251111			
SIC Description:					
<u>51</u>	1 of 1	SW/189.4	151.6	ON	BORE
Borehole ID:		646928		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629225		UTM Zone: 17	
Location Accuracy:				Northing: 4839573	
Elev. Reliability Note:				Orig. Ground Elev m: 155	
Total Depth m:		7.9		DEM Ground Elev m: 154	
Township:					
Lot:					
Completion Date:		OCT-1970			
Primary Water Use:		Not Used			
Static Water Level:		-999.9			
Sec. Water Use:					
--- Details ---					
Stratum ID:		218516959		Top Depth(m): 0.0	
Bottom Depth(m):		0.6		Stratum Desc: FILL,SAND,GRAVEL. BLACK.	
+					
Stratum ID:		218516960		Top Depth(m): 0.6	
Bottom Depth(m):		4.6		Stratum Desc: TILL,SAND,GRAVEL. BROWN,GLACIAL,DENSE, AGE GLACIAL.	
+					
Stratum ID:		218516961		Top Depth(m): 4.6	
Bottom Depth(m):		7.9		Stratum Desc: TILL,SAND,GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 015 010 0002002000150	
<u>52</u>	1 of 9	WSW/191.7	151.8	Dr. Arthur Dunec	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				1910 Yonge Street Toronto ON	
Generator #:		ON5891849			
Approval Yrs:		2013			
SIC Code:		621210			
SIC Description:		OFFICES OF DENTISTS			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
52	2 of 9	WSW/191.7	151.8	Dr. Arthur Dunec 1910 Yonge Street Toronto ON M4S 1Z4	GEN
Generator #:		ON5891849			
Approval Yrs:		2012			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
52	3 of 9	WSW/191.7	151.8	TORONTO TRANSIT COMMISSION 1910 YONGE ST/ENGINEERING & CONST. C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	GEN
Generator #:		ON0173600			
Approval Yrs:		86,87,88,89,90			
SIC Code:		4571			
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
52	4 of 9	WSW/191.7	151.8	Dr. Arthur Dunec 1910 Yonge Street Toronto ON M4S 1Z4	GEN
Generator #:		ON5891849			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
52	5 of 9	WSW/191.7	151.8	TORONTO TRANSIT COMMISSION 38- 272 1910 YONGE ST/ENGINEERING & CONST.	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				C/O 1900 YONGE STREET TORONTO ON M4S 1Z2	
Generator #:		ON0173600			
Approval Yrs:		94,95,96			
SIC Code:		4571			
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
52	6 of 9	WSW/191.7	151.8	TORONTO TRANSIT COMMISSION ENGINEERING & MAINTENANCE 1910 YONGE STREET TORONTO ON M4S 3B2	GEN
Generator #:		ON0173600			
Approval Yrs:		98,99,00,01			
SIC Code:		4571			
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
52	7 of 9	WSW/191.7	151.8	Dr. Arthur Dunec 1910 Yonge Street Toronto ON M4S 1Z4	GEN
Generator #:		ON5891849			
Approval Yrs:		2011			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
52	8 of 9	WSW/191.7	151.8	Dr. Arthur Dunec 1910 Yonge Street Toronto ON M4S 1Z4	GEN
Generator #:		ON5891849			
Approval Yrs:		2010			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
52	9 of 9	WSW/191.7	151.8	TORONTO TRANSIT COMMISSION 1910 YONGE STREET ENGINEERING & MAINTENANCE TORONTO ON M4S 3B2	GEN
Generator #:		ON0173600			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs:		92,93,97			
SIC Code:		4571			
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			

<u>53</u>	1 of 1	SE/191.7	151.8	ON	BORE
Borehole ID:		637228		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Power auger		UTM Zone:	17
Easting:		629475		Northing:	4839593
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:		10.7		Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		AUG-1965		Static Water Level:	-999.9
Primary Water Use:		Not Used		Sec. Water Use:	
--- Details ---					
Stratum ID:		218480139		Top Depth(m):	0.0
Bottom Depth(m):		4.5		Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:		218480140		Top Depth(m):	4.5
Bottom Depth(m):		7.6		Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:		218480141		Top Depth(m):	7.6
Bottom Depth(m):		10.7		Stratum Desc:	SAND. GREY,LACUSTRINE,VERY DENSE, AGE GLACIAL. 000000800014810000250123TIL

<u>54</u>	1 of 1	SSE/192.3	151.8	67 BALLIOL STREET TORONTO ON M4S 1C2	HINC
External File Num:		FS INC 0810-06486			
Date of Occurrence:		10/27/2008			
Fuel Occurrence Type:		Vapour Release			
Fuel Type Involved:		Natural Gas			
Status Desc:		Completed - Causal Analysis(End)			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Multi-unit Residential			
Service Interruptions:		No			
Property Damage:		No			
Fuel Life Cycle Stage:		Utilization			
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:Yes Human Factors:No			
Reported Details:					
Fuel Category:		Gaseous Fuel			
Occurrence Type:		Near-miss			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County Name:		Toronto			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					
<u>55</u>	1 of 23	SSW/196.5	151.7	NOVA QUALITY DRY CLEANER 28-877 1039208 ONT. LTD. 1881 YONGE STREET, UNIT #7 TORONTO ON M4S 3C4	GEN
Generator #:		ON1633400			
Approval Yrs:		94,95,96			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>55</u>	2 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	GEN
Generator #:		ON1633400			
Approval Yrs:		2009			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>55</u>	3 of 23	SSW/196.5	151.7	Davisville Family Practice 600-1881 Yonge Street Toronto ON M4S 3C4	GEN
Generator #:		ON3481492			
Approval Yrs:		2012			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>55</u>	4 of 23	SSW/196.5	151.7	NOVA QUALITY DRY CLEANERS 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	GEN
Generator #:		ON1633400			
Approval Yrs:		99,00,01			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		241			
		Waste Code: HALOGENATED SOLVENTS			
		Waste Description: HALOGENATED SOLVENTS			
<u>55</u>	5 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	GEN
		ON1633400			
		2010			
		812320			
		SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
		241			
		Waste Code: HALOGENATED SOLVENTS			
		Waste Description: HALOGENATED SOLVENTS			
<u>55</u>	6 of 23	SSW/196.5	151.7	Meridia Medical 501 - 1881 Yonge Street Toronto ON	GEN
		ON6808590			
		2013			
		621110			
		SIC Description: OFFICES OF PHYSICIANS			
--- Details ---					
		312			
		Waste Code: PATHOLOGICAL WASTES			
		Waste Description: PATHOLOGICAL WASTES			
<u>55</u>	7 of 23	SSW/196.5	151.7	NOVA DRY CLEANERS CORPORATION 1881 YONGE STREET UNIT #7 TORONTO ON M4S 3C4	GEN
		ON1633400			
		92,93,97,98			
		9721			
		SIC Description: POWER LAUND./CLEANER			
--- Details ---					
		241			
		Waste Code: HALOGENATED SOLVENTS			
		Waste Description: HALOGENATED SOLVENTS			
<u>55</u>	8 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	GEN
		ON1633400			
		As of April 2014			
		SIC Description:			
--- Details ---					
		241			
		Waste Code: Halogenated solvents and residues			
		Waste Description: Halogenated solvents and residues			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>55</u>	9 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 1Y6	GEN
Generator #:		ON1633400			
Approval Yrs:		02,03,04,05,06,07,08			
SIC Code:		812320			
SIC Description:		Dry Cleaning & Laundry Serv. (exc. Coin-Op.)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>55</u>	10 of 23	SSW/196.5	151.7	Davisville Family Practice 600-1881 Yonge Street Toronto ON	GEN
Generator #:		ON3481492			
Approval Yrs:		2013			
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>55</u>	11 of 23	SSW/196.5	151.7	Meridia Medical 501 - 1881 Yonge Street Toronto ON M4S 3C4	GEN
Generator #:		ON6808590			
Approval Yrs:		2012			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<u>55</u>	12 of 23	SSW/196.5	151.7	Welcome Pharmacy (Davisville) Ltd. 1881 Yonge St. Toronto ON	GEN
Generator #:		ON4066144			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		261			
Waste Description:		Pharmaceuticals			
+					
Waste Code:		312			
Waste Description:		Pathological wastes			
<u>55</u>	13 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Generator #: ON1633400 Approval Yrs: 2013 SIC Code: 812320 SIC Description: DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)</p> <p>--- Details --- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS</p>					
<u>55</u>	14 of 23	SSW/196.5	151.7	Davisville Family Practice 600-1881 Yonge Street Toronto ON M4S 3C4	GEN
<p>Generator #: ON3481492 Approval Yrs: 2010 SIC Code: 621110 SIC Description: Offices of Physicians</p> <p>--- Details --- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES</p>					
<u>55</u>	15 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	GEN
<p>Generator #: ON1633400 Approval Yrs: 2011 SIC Code: 812320 SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated)</p> <p>--- Details --- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS</p>					
<u>55</u>	16 of 23	SSW/196.5	151.7	Yonge Davisville Health Clinic 1881 Yonge Street Unit 502 Toronto ON	GEN
<p>Generator #: ON8657827 Approval Yrs: As of April 2014 SIC Code: SIC Description:</p> <p>--- Details --- Waste Code: 312 Waste Description: Pathological wastes</p>					
<u>55</u>	17 of 23	SSW/196.5	151.7	S&K DRY CLEANING CORP. 1881 YONGE STREET, UNIT 7 TORONTO ON M4S 3C4	GEN
<p>Generator #: ON1633400 Approval Yrs: 2012 SIC Code: 812320 SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated)</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		241			
		Waste Description: HALOGENATED SOLVENTS			
<u>55</u>	18 of 23	SSW/196.5	151.7	Meridia Medical 501 - 1881 Yonge Street Toronto ON M4S 3C4	GEN
		ON6808590			
		2010			
		621110			
		SIC Description: Offices of Physicians			
--- Details ---					
		312			
		Waste Description: PATHOLOGICAL WASTES			
<u>55</u>	19 of 23	SSW/196.5	151.7	Meridia Medical 501 - 1881 Yonge Street Toronto ON M4S 3C4	GEN
		ON6808590			
		2011			
		621110			
		SIC Description: Offices of Physicians			
--- Details ---					
		312			
		Waste Description: PATHOLOGICAL WASTES			
<u>55</u>	20 of 23	SSW/196.5	151.7	Davisville Family Practice 600-1881 Yonge Street Toronto ON M4S 3C4	GEN
		ON3481492			
		Approval Yrs: As of April 2014			
--- Details ---					
		312			
		Waste Description: Pathological wastes			
<u>55</u>	21 of 23	SSW/196.5	151.7	Davisville Family Practice 600-1881 Yonge Street Toronto ON M4S 3C4	GEN
		ON3481492			
		2011			
		621110			
		SIC Description: Offices of Physicians			
--- Details ---					
		312			
		Waste Description: PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>55</u>	22 of 23	SSW/196.5	151.7	Meridia Medical 501 - 1881 Yonge Street Toronto ON	GEN
Generator #:		ON6808590			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
<u>55</u>	23 of 23	SSW/196.5	151.7	Imperial Oil Co Ltd 1881 Yonge St Toronto ON M4S 3C4	TANK
Permit Date:		1924			
Permit Type:		To erect			
User Type:		Gasoline service station			
Installation Type:		Gasoline service station			
Installation Size:					
Installation Config.:		Gasoline service station			
No. Tanks Installed:					
Units of Measure:					
Value/Tank (\$):					
Capacity(gal):					
Reference:		TCM 1924 A: 596			
Location Desc:		ne cor Yonge & Balliol Sts			
<u>56</u>	1 of 5	WSW/199.8	151.8	ST. CLAIR GROUP INVESTMENTS 1920 Yonge St Suite 201 Box 14 Toronto ON M4S 3E2	SCT
Established:		1982			
Plant Size (ft²):		0			
Employment:		35			
--- Details ---					
SIC/NAICS Code:		511120			
Description:		Periodical Publishers			
<u>56</u>	2 of 5	WSW/199.8	151.8	Creative Dental Studio 1920 Yonge St Unit 101 Toronto ON M4S 3E2	SCT
Established:		01-AUG-81			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			
+					
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>56</u>	3 of 5	WSW/199.8	151.8	Aker Metals 1920 Yonge St Suite 301 Toronto ON M4S 3E6	SCT
Established:		01-AUG-74			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		212299			
Description:		All Other Metal Ore Mining			
+					
SIC/NAICS Code:		541330			
Description:		Engineering Services			
+					
SIC/NAICS Code:		212210			
Description:		Iron Ore Mining			
+					
SIC/NAICS Code:		541330			
Description:		Engineering Services			
<u>56</u>	4 of 5	WSW/199.8	151.8	St. Clair Group Investments Inc. 1920 Yonge St Suite 201 Box 14 Toronto ON	SCT
Established:		1982			
Plant Size (ft²):					
Employment:		35			
<u>56</u>	5 of 5	WSW/199.8	151.8	PRIVATE OWNER 1920 YONGE ST - YONGE & DAVISVILLE(TTC) STORAGE TANK/BARREL TORONTO CITY ON	SPL
Ref No.:		213481			
Incident Dt:		9/21/2001			
MOE Reported Dt:		10/10/2001			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		TORONTO: TORCOM CONSTR.- UNREPORTED SPILL OF 3-4L ROOFING SOLVENT TO PAD.			
Incident Cause:		OTHER CONTAINER LEAK			
Incident Reason:		UNKNOWN			
Nature of Impact:					
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			
<u>57</u>	1 of 1	SSW/200.7	151.6	ON	BORE
Borehole ID:		646929		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629235		UTM Zone: 17	
Location Accuracy:				Northing: 4839553	
				Orig. Ground Elev m: 154	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	7.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	OCT-1970			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218516963			Top Depth(m):	2.1
Bottom Depth(m):	4.3			Stratum Desc:	TILL,SILT,GRAVEL, SAND. BROWN,GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:	218516964			Top Depth(m):	4.3
Bottom Depth(m):	7.9			Stratum Desc:	TILL,SILT,SAND, GRAVEL. GREY,GLACIAL,VERY DENSE, AGE GLACIAL. 020 012
+					
Stratum ID:	218516962			Top Depth(m):	0.0
Bottom Depth(m):	2.1			Stratum Desc:	FILL,SILT,SAND,BRICKBROWN.
58	1 of 1	WNW/202.3	152.5	Dell'ernia Lamps Co. Ltd. 1980 Yonge St Toronto ON M4S 1Z7	SCT
Established:		1969			
Plant Size (ft²):		1000			
Employment:		2			
--- Details ---					
SIC/NAICS Code:		335120			
Description:		Lighting Fixture Manufacturing			
+					
SIC/NAICS Code:		339990			
Description:		All Other Miscellaneous Manufacturing			
59	1 of 1	SW/205.9	151.4	TORONTO TRANSIT COMMISSION DAVISVILLE SUBWAY YARD TORONTO CITY ON	SPL
Ref No.:		216930			
Incident Dt:		11/26/2001			
MOE Reported Dt:		11/26/2001			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		TTC DAVISVILLE YARD:		5 L OF DIESEL FUEL TO RAIL BALLIST, CLEANED-UP	
Incident Cause:		UNKNOWN			
Incident Reason:		UNKNOWN			
Nature of Impact:		Soil contamination			
Receiving Medium:		Land			
Environmental Impact:		Possible			
60	1 of 2	W/206.0	152.4	TORONTO ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7101718			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629134			Northing Nad83:	4839764
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	22-JAN-08
Sec. Water Use:				Well Depth:	4.27 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Other Method			Flowing (y/n):	N
Elevation (m):	156.87			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	1.22 m
Material Colour:	TILL, SAND, HARD			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	2.44 m
Material Colour:	SILT, CLAY, HARD			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	3.66 m
Material Colour:	SAND, SILTY, HARD			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	4.27 m
Material Colour:	SAND, SAND, HARD			Material:	.61 m
60	2 of 2	W/206.0	152.4	Toronto ON	WWIS
Well ID:	7101795			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629134			Northing Nad83:	4839764
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	22-JAN-08
Sec. Water Use:				Well Depth:	4.57 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Monitoring and Test Hole
Construction Method:	Driving			Flowing (y/n):	
Elevation (m):	156.87			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	1.22 m
Material Colour:	TILL, SAND			Material:	1.22 m
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	GREY			Original Depth:	2.44 m
Material Colour:	SILT, CLAY			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	3.66 m
Material Colour:	SAND, SILTY, CLAY			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	4.57 m
Material Colour:	SAND, SAND			Material:	.91 m
61	1 of 1	E/207.4	151.8	111 Davisville Avenue Toronto ON M4S 1G5	EHS
Order No.:	20120207004				
Report Date:	2/15/2012 9:47:09 AM				
Report Type:	Standard Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					
62	1 of 1	NW/209.0	152.4	1987, 1989, 1991 Yonge Street and 6,8 and 10 Belsize Toronto ON	EHS
Order No.:	20060728004				
Report Date:	8/2/2006				
Report Type:	Basic Report				
Search Radius (km):	0.25				
Addit. Info Ordered:	City Directory				
63	1 of 1	ENE/209.2	151.8	ON	BORE
Borehole ID:	639738			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629535			Northing:	4839793
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	7.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1956			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218489435			Top Depth(m):	0.0
Bottom Depth(m):	1.7			Stratum Desc:	FILL,CLAY,SAND, ORGANIC. BROWN,GREY,LOOSE, AGE QUATERNARY.
+					
Stratum ID:	218489436			Top Depth(m):	1.7
Bottom Depth(m):	4.3			Stratum Desc:	CLAY,SAND. BROWN,GREY,LACUSTRINE,STIFF,

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					AGE GLACIAL.
+					
Stratum ID:	218489437			Top Depth(m):	4.3
Bottom Depth(m):	6.1			Stratum Desc:	SILT,CLAY,SAND. BROWN,LACUSTRINE,COMPACT, AGE GLACIAL.
+					
Stratum ID:	218489438			Top Depth(m):	6.1
Bottom Depth(m):	7.5			Stratum Desc:	SAND-MEDIUM TO COARSE. BROWN,LACUSTRINE,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218489439			Top Depth(m):	7.5
Bottom Depth(m):	7.9			Stratum Desc:	SAND,SILT. BROWN,GREY,LACUSTRINE, VERY DENSE,AGE GLACIAL. 00000010000550190014002400200073 0024506

64	1 of 1	E/210.0	151.8	ON	BORE
Borehole ID:	639751			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629545			Northing:	4839753
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	7.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1956			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218489507			Top Depth(m):	4.3
Bottom Depth(m):	7.3			Stratum Desc:	SAND-MEDIUM. BROWN,LACUSTRINE,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218489508			Top Depth(m):	7.3
Bottom Depth(m):	7.9			Stratum Desc:	SAND,SILT,GRAVEL. BROWN,FLUVIO-GLACIAL, VERY DENSE,AGE GLACIAL. 00026010000800500014005800240060
+					
Stratum ID:	218489504			Top Depth(m):	0.0
Bottom Depth(m):	0.8			Stratum Desc:	SOIL. BLACK,AGE QUATERNARY.
+					
Stratum ID:	218489505			Top Depth(m):	0.8
Bottom Depth(m):	2.4			Stratum Desc:	CLAY,SAND,GRAVEL. BROWN,GLACIAL,FIRM, AGE GLACIAL.
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Stratum ID:	218489506			Top Depth(m):	2.4
Bottom Depth(m):	4.3			Stratum Desc:	SAND,CLAY,GRAVEL. GREY,BROWN,GLACIAL,DENSE, AGE GLACIAL.
<hr/>					
<u>65</u>	1 of 1	ESE/211.2	151.8	ON	BORE
Borehole ID:	637230			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629535			Northing:	4839653
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	156
Total Depth m:	9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	AUG-1965			Static Water Level:	.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218480144			Top Depth(m):	0.0
Bottom Depth(m):	4.3			Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218480145			Top Depth(m):	4.3
Bottom Depth(m):	7.3			Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 507.0 FEET.
+					
Stratum ID:	218480146			Top Depth(m):	7.3
Bottom Depth(m):	9.0			Stratum Desc:	SAND. GREY,LACUSTRINE,VERY DENSE, AGE GLACIAL. 015 010 021 00000100
<hr/>					
<u>66</u>	1 of 1	W/211.9	151.9	ON	WWIS
Well ID:	7179286			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629125			Northing Nad83:	4839712
Zone:	17			Utm Reliability:	margin of error : 3 - 10 m
Primary Water Use:				Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				k:	
				Casing Material:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>67</u>	1 of 2	W/212.9	152.1	Hipguard Canada Ltd. 25 Imperial St Suite 500 Toronto ON M5P 1B9	SCT
Established:		01-AUG-96			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			
+					
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			
<u>67</u>	2 of 2	W/212.9	152.1	Passion Inc. 25 Imperial St Suite 100 Toronto ON M5P 1B9	SCT
Established:		1994			
Plant Size (ft²):					
Employment:		20			
--- Details ---					
SIC/NAICS Code:		511120			
Description:		Periodical Publishers			
<u>68</u>	1 of 1	ENE/215.9	151.8	ON	BORE
Borehole ID:		639739		Type: Borehole	
Use:		Geotechnical/Geological Investigation		Status:	
Drill Method:		Diamond Drill		UTM Zone: 17	
Easting:		629545		Northing: 4839783	
Location Accuracy:				Orig. Ground Elev m: 155	
Elev. Reliability Note:				DEM Ground Elev m: 154	
Total Depth m:		7.6		Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:		JUL-1956		Static Water Level: -999.9	
Primary Water Use:		Not Used		Sec. Water Use:	
--- Details ---					
Stratum ID:		218489440		Top Depth(m): 0.0	
Bottom Depth(m):		1.5		Stratum Desc: FILL,CLAY,SAND, ORGANIC. BROWN,SOFT,AGE QUATERNARY.	
+					
Stratum ID:		218489441		Top Depth(m): 1.5	
Bottom Depth(m):		4.1		Stratum Desc: SAND-MEDIUM,CLAY. BROWN,GREY,LACUSTRINE,STIFF, AGE GLACIAL.	
+					
Stratum ID:		218489442		Top Depth(m): 4.1	
Bottom Depth(m):		5.0		Stratum Desc: SAND,GRAVEL. GREY,FLUVIO-	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:	218489443			Top Depth(m):	5.0
Bottom Depth(m):	7.6			Stratum Desc:	SAND-MEDIUM,SILT. GREY,BROWN,LACUSTRINE, VERY DENSE,AGE GLACIAL. 00000008000500500013606500165055
69	1 of 1	S/223.2	151.9	ON	BORE
Borehole ID:	646946			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629325			Northing:	4839503
Location Accuracy:				Orig. Ground Elev m:	153
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	12			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAR-1964			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218517016			Top Depth(m):	0.0
Bottom Depth(m):	3.9			Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218517017			Top Depth(m):	3.9
Bottom Depth(m):	8.5			Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218517018			Top Depth(m):	8.5
Bottom Depth(m):	9.4			Stratum Desc:	SAND-MEDIUM. LACUSTRINE,DENSE,AGE GLACIAL.
+					
Stratum ID:	218517019			Top Depth(m):	9.4
Bottom Depth(m):	12.0			Stratum Desc:	CLAY. GREY,LACUSTRINE,HARD, AGE GLACIAL. 00000120001280700027806000308180
70	1 of 1	ESE/224.8	151.8	ON	BORE
Borehole ID:	637233			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629525			Northing:	4839603
Location Accuracy:				Orig. Ground Elev m:	154
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	5.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Completion Date:		AUG-1965		Static Water Level:	.6
Primary Water Use:		Not Used		Sec. Water Use:	
--- Details ---					
Stratum ID:	218480154			Top Depth(m):	0.0
Bottom Depth(m):	4.0			Stratum Desc:	TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218480155			Top Depth(m):	4.0
Bottom Depth(m):	5.7			Stratum Desc:	TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 506.0 FEET.00000054001301080000
<u>71</u>	1 of 1	NW/226.9	152.9	ON	WWIS
Well ID:	7193753			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	TORONTO CITY
Easting Nad83:	629190			Northing Nad83:	4839899
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	30-NOV-12
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<u>72</u>	1 of 2	WSW/227.3	151.8	MASTERS IN BUSINESS SYSTEMS 1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	SCT
Established:	1983				
Plant Size (ft²):	800				
Employment:	2				
--- Details ---					
SIC/NAICS Code:	511210				
Description:	Software Publishers				
<u>72</u>	2 of 2	WSW/227.3	151.8	Masters In Business Systems Inc. 1930 Yonge St Suite 1142 Toronto ON M4S 1Z4	SCT
Established:	1983				
Plant Size (ft²):	800				
Employment:	2				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>73</u>	1 of 1	SSE/228.7	151.8	LETTER PERFECT 93 BALLIOL ST TORONTO ON M4S 1C2	SCT
Established:		1977			
Plant Size (ft²):		0			
Employment:		10			
--- Details ---					
SIC/NAICS Code:		2741			
Description:		MISCELLANEOUS PUBLISHING			
<u>74</u>	1 of 1	E/229.4	151.8	ON	BORE
Borehole ID:		637231	Type: Borehole		
Use:		Geotechnical/Geological Investigation	Status:		
Drill Method:		Power auger	UTM Zone: 17		
Easting:		629565	Northing: 4839703		
Location Accuracy:			Orig. Ground Elev m: 156		
Elev. Reliability Note:			DEM Ground Elev m: 154		
Total Depth m: 10.7			Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date: AUG-1965			Static Water Level: 1.1		
Primary Water Use: Not Used			Sec. Water Use:		
--- Details ---					
Stratum ID: 218480147			Top Depth(m): 0.0		
Bottom Depth(m): 6.1			Stratum Desc: TILL, SILT. BROWN, GLACIAL, VERY DENSE, AGE GLACIAL.		
+					
Stratum ID: 218480148			Top Depth(m): 6.1		
Bottom Depth(m): 7.5			Stratum Desc: SAND. BROWN, LACUSTRINE, VERY DENSE, AGE GLACIAL, WATER STABLE AT 508.2 FEET.		
+					
Stratum ID: 218480149			Top Depth(m): 7.5		
Bottom Depth(m): 10.7			Stratum Desc: SAND. GREY, LACUSTRINE, VERY DENSE, AGE GLACIAL. 00000080002001600024714000028		
<u>75</u>	1 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		241			
Waste Description:		Halogenated solvents and residues			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>75</u>	2 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON	GEN
Generator #:		ON3697123			
Approval Yrs:		2013			
SIC Code:		812320			
SIC Description:		DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	3 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		2009			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	4 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		2010			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	5 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		07,08			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	6 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		2011			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	7 of 9	NW/230.4	152.8	2160498 ontario ltd. 2001 YONGE ST. TORONTO ON M4S 1Z8	GEN
Generator #:		ON3697123			
Approval Yrs:		2012			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	8 of 9	NW/230.4	152.8	BELSIZE CLEANERS 2001 YONGE STREET TORONTO ON M4S 1Z8	GEN
Generator #:		ON2551100			
Approval Yrs:		00,01,02,03,04,05,06,07,08			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<u>75</u>	9 of 9	NW/230.4	152.8	RIKLIS, LOU HARDWARE DIV. OF 654691 ONTARIO LIMITED 2001 YONGE STREET TORONTO ON M4S 1Z8	PES
Licence No.:		Vendor			
Licence Type:		Vendor			
<u>76</u>	1 of 1	SSW/231.3	151.7	ON	BORE
Borehole ID:		646919		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629275			
Location Accuracy:					
Elev. Reliability Note:					
Total Depth m:		15.7			
Township:					
Lot:					
Completion Date:		FEB-1971			
Primary Water Use:		Not Used			
				Status:	
				UTM Zone: 17	
				Northing: 4839503	
				Orig. Ground Elev m: 154	
				DEM Ground Elev m: 153	
				Primary Name:	
				Concession:	
				Municipality:	
				Static Water Level: 1.1	
				Sec. Water Use:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Stratum ID: 218516915			Top Depth(m): 0.0	
	Bottom Depth(m): 1.8			Stratum Desc: FILL,SILT,CLAY.	
	+				
	Stratum ID: 218516916			Top Depth(m): 1.8	
	Bottom Depth(m): 4.0			Stratum Desc: TILL,SILT,SAND. BROWN,GLACIAL,DENSE, AGE GLACIAL, WATER STABLE AT 502.1 FEET.	
	+				
	Stratum ID: 218516917			Top Depth(m): 4.0	
	Bottom Depth(m): 8.1			Stratum Desc: TILL,SILT,SAND, GRAVEL. GREY,GLACIAL,DENSE, AGE GLACIAL.	
	+				
	Stratum ID: 218516918			Top Depth(m): 8.1	
	Bottom Depth(m): 11.1			Stratum Desc: SAND-FINE TO MEDIUM.FLUVIO- GLACIAL,VERY DENSE, AGE GLACIAL.	
	+				
	Stratum ID: 218516919			Top Depth(m): 11.1	
	Bottom Depth(m): 15.7			Stratum Desc: CLAY,SILT,TILL. GREY,LACUSTRINE,HARD, AGE GLACIAL. 012 008 010	

77	1 of 1	W/231.8	151.9	ON	BORE
Borehole ID:	632349			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629105			Northing:	4839723
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	155
Total Depth m:	10.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAY-1950			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
	Stratum ID: 218462290			Top Depth(m): 0.0	
	Bottom Depth(m): 1.5			Stratum Desc: SOIL,SAND. BROWN.	
	+				
	Stratum ID: 218462291			Top Depth(m): 1.5	
	Bottom Depth(m): 2.4			Stratum Desc: SAND,CLAY,STONES. BROWN,GLACIAL,AGE GLACIAL.	
	+				
	Stratum ID: 218462292			Top Depth(m): 2.4	
	Bottom Depth(m): 5.2			Stratum Desc: SAND,SILT,CLAY, STONES. BROWN,GLACIAL,AGE GLACIAL.	
	+				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Stratum ID:	218462293			Top Depth(m):	5.2
Bottom Depth(m):	6.7			Stratum Desc:	SAND,SILT,CLAY. GREY,GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218462294			Top Depth(m):	6.7
Bottom Depth(m):	10.7			Stratum Desc:	SAND-FINE TO MEDIUM.BROWN,FLUVIO-GLACIAL, AGE GLACIAL. 012 017 00050028000801
<hr/>					
<u>78</u>	1 of 1	SSW/232.2	151.4	1867, 1881 YONGE STREET TORONTO ON M4S 3C4	EHS
Order No.:	20111026006				
Report Date:	11/3/2011				
Report Type:	Standard Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					
<hr/>					
<u>79</u>	1 of 1	ENE/233.0	151.8	ON	BORE
Borehole ID:	639749			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629565			Northing:	4839773
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	4.9			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1956			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218489499			Top Depth(m):	0.0
Bottom Depth(m):	4.0			Stratum Desc:	CLAY,SAND,GRAVEL. GREY,BROWN,GLACIAL,COMPACT, AGE GLACIAL.
+					
Stratum ID:	218489500			Top Depth(m):	4.0
Bottom Depth(m):	4.9			Stratum Desc:	SAND-MEDIUM TO COARSE. GREY,LACUSTRINE,DENSE, AGE GLACIAL. 00000024001300450
<hr/>					
<u>80</u>	1 of 1	SSW/235.2	151.3	1867 & 1881 Yonge Street TORONTO ON	EHS
Order No.:	20071018027				
Report Date:	10/29/2007				
Report Type:	CAN - Complete Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>81</u>	1 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION, MCBRIEN BUIL 1900 YONGE STREET TORONTO ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		8-3305-98-98 11/19/1998 Industrial air Approved HVAC RETROFIT Sound			
<u>81</u>	2 of 18	SW/239.1	151.2	Toronto Transit Commission 1900 Yonge Street Toronto ON	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		4783-5SSQRA 2003 10/29/2003 Air Approved			
<u>81</u>	3 of 18	SW/239.1	151.2	1900 Yonge Street Toronto ON M4S 1Z1	EHS
Order No.: Report Date: Report Type: Search Radius (km): Addit. Info Ordered:		20081124024 12/3/2008 Custom Report 0.25 Fire Insur. Maps and/or Site Plans			
<u>81</u>	4 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE CARHOUSE 1900 YONGE STREET TORONTO ON M4S 1Z1	GEN
Generator #: Approval Yrs: SIC Code:		ON0173621 86,87,88,89,90 4571			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
	Waste Code:	150			
	Waste Description:	INERT INORGANIC WASTES			
	+				
	Waste Code:	213			
	Waste Description:	PETROLEUM DISTILLATES			
	+				
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
	+				
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
81	5 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	GEN
Generator #:		ON0173621			
Approval Yrs:		2010			
SIC Code:		485110			
SIC Description:		Urban Transit Systems			
--- Details ---					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
	+				
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
	+				
	Waste Code:	213			
	Waste Description:	PETROLEUM DISTILLATES			
	+				
	Waste Code:	112			
	Waste Description:	ACID WASTE - HEAVY METALS			
	+				
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
	+				
	Waste Code:	145			
	Waste Description:	PAINT/PIGMENT/COATING RESIDUES			
	+				
	Waste Code:	122			
	Waste Description:	ALKALINE WASTES - OTHER METALS			
	+				
	Waste Code:	148			
	Waste Description:	INORGANIC LABORATORY CHEMICALS			
	+				
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
	+				
	Waste Code:	268			
	Waste Description:	AMINES			
	+				
	Waste Code:	121			
	Waste Description:	ALKALINE WASTES - HEAVY METALS			
	+				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		243			
Waste Description:		PCBS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

<u>81</u>	6 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	GEN
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Generator #: ON0173621
Approval Yrs: 2011
SIC Code: 485110
SIC Description: Urban Transit Systems

--- Details ---

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
 +
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS
 +
Waste Code: 221
Waste Description: LIGHT FUELS
 +
Waste Code: 211
Waste Description: AROMATIC SOLVENTS
 +
Waste Code: 233
Waste Description: OTHER POLYMERIC WASTES
 +
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
 +
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
 +
Waste Code: 243
Waste Description: PCBS
 +
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
 +
Waste Code: 150
Waste Description: INERT INORGANIC WASTES
 +

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 112 Waste Description: ACID WASTE - HEAVY METALS + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES + Waste Code: 213 Waste Description: PETROLEUM DISTILLATES + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 268 Waste Description: AMINES + Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES</p>					
<u>81</u>	7 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION 1900 YONGE STREET TORONTO, ON M5S 1Z2	GEN
<p>Generator #: ON0173650 Approval Yrs: 95 SIC Code: 4571 SIC Description: URBAN TRANSIT SYS.</p>					
<u>81</u>	8 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON	GEN
<p>Generator #: ON0173621 Approval Yrs: 2009 SIC Code: 485110 SIC Description: Urban Transit Systems</p>					
<p>--- Details ---</p> <p>Waste Code: 112 Waste Description: ACID WASTE - HEAVY METALS + Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES + Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>+</p> <p>Waste Code: 150 Waste Description: INERT INORGANIC WASTES</p> <p>+</p> <p>Waste Code: 211 Waste Description: AROMATIC SOLVENTS</p> <p>+</p> <p>Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS</p> <p>+</p> <p>Waste Code: 213 Waste Description: PETROLEUM DISTILLATES</p> <p>+</p> <p>Waste Code: 221 Waste Description: LIGHT FUELS</p> <p>+</p> <p>Waste Code: 233 Waste Description: OTHER POLYMERIC WASTES</p> <p>+</p> <p>Waste Code: 241 Waste Description: HALOGENATED SOLVENTS</p> <p>+</p> <p>Waste Code: 243 Waste Description: PCBS</p> <p>+</p> <p>Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES</p> <p>+</p> <p>Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS</p> <p>+</p> <p>Waste Code: 268 Waste Description: AMINES</p>					
<u>81</u>	9 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE SUBWAY STATION 1900 YONGE STREET TORONTO ON	GEN
<p>Generator #: ON2035301 Approval Yrs: 99,00,01 SIC Code: 4571 SIC Description: URBAN TRANSIT SYS.</p> <p>--- Details ---</p> <p>Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS</p> <p>+</p> <p>Waste Code: 150 Waste Description: INERT INORGANIC WASTES</p> <p>+</p> <p>Waste Code: 213 Waste Description: PETROLEUM DISTILLATES</p> <p>+</p> <p>Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES</p>					
<u>81</u>	10 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				1900 YONGE STREET DAVISVILLE SUBWAY STATION TORONTO ON M5P 1A2	
Generator #:		ON2035301			
Approval Yrs:		95,96,97,98			
SIC Code:		4571			
SIC Description:		URBAN TRANSIT SYS.			
--- Details ---					
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
81	11 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION DAVISVILLE COMPLEX 1900 YONGE STREET TORONTO ON M4S 1Z2	GEN
Generator #:		ON0173621			
Approval Yrs:		02,03,04,05,06,07,08			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Waste Code: 213 Waste Description: PETROLEUM DISTILLATES + Waste Code: 233 Waste Description: OTHER POLYMERIC WASTES + Waste Code: 243 Waste Description: PCB'S + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 268 Waste Description: AMINES</p>					
<u>81</u>	12 of 18	SW/239.1	151.2	Toronto Transit Commission 1900 Yonge St Toronto ON	SPL
<p>Ref No.: 5018-7PCS6G Incident Dt: MOE Reported Dt: 2/17/2009 Contaminant Name: HALON (CFC) Contaminant Quantity: 650 lb Incident Summary: TTC - McBrien Building, 650 lbs Halon released to atm Incident Cause: Discharge or Emission to Air Incident Reason: Error- Operator error Nature of Impact: Air Pollution Receiving Medium: Environmental Impact: Confirmed</p>					
<u>81</u>	13 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION TTC BUILDING AT 1900 YONGE ST. TORONTO CITY ON	SPL
<p>Ref No.: 131648 Incident Dt: // MOE Reported Dt: 9/10/1996 Contaminant Name: Contaminant Quantity: Incident Summary: T.T.C. - UNKNOWN AMOUNT OF FREON R-11 TO AIR FROM REFRIGERATION UNIT. Incident Cause: PIPE/HOSE LEAK Incident Reason: EQUIPMENT FAILURE Nature of Impact: Air Pollution Receiving Medium: AIR Environmental Impact: POSSIBLE</p>					
<u>81</u>	14 of 18	SW/239.1	151.2	Toronto Transit Commission 1900 Yonge Street Toronto ON	SPL
<p>Ref No.: 1251-5XDHFS Incident Dt: 3/24/2004</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
MOE Reported Dt:		3/24/2004			
Contaminant Name:		REFRIGERANT GAS, R22			
Contaminant Quantity:		15.9090909090909 Kg			
Incident Summary:		TTC, 35 lbs refrigerant to atmosphere			
Incident Cause:		Discharge or Emission to Air			
Incident Reason:		Equipment Failure			
Nature of Impact:		Air Pollution			
Receiving Medium:		Air			
Environmental Impact:		Not Anticipated			
81	15 of 18	SW/239.1	151.2	Imperial Oil Co Ltd 1900 Yonge St Toronto ON M4S 1Z2	TANK
Permit Date:		6/19/1924			
Permit Type:		BP 80291			
User Type:		Gasoline service station			
Installation Type:		Gasoline tank			
Installation Size:					
Installation Config.:		1 x Gasoline tank			
No. Tanks Installed:		1			
Units of Measure:					
Value/Tank (\$):		600			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:		nw cor Yonge & balliol			
81	16 of 18	SW/239.1	151.2	Ford [Harry M] 1900 Yonge St Toronto ON M4S 1Z2	TANK
Permit Date:		8/7/1930			
Permit Type:		BP A31957			
User Type:		Gasoline service station			
Installation Type:		Service station			
Installation Size:					
Installation Config.:		Service station			
No. Tanks Installed:					
Units of Measure:					
Value/Tank (\$):		18000			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:		Yonge St sw cor Chaplin Cres			
81	17 of 18	SW/239.1	151.2	Ford [Harry M] 1900 Yonge St Toronto ON M4S 1Z2	TANK
Permit Date:		1930			
Permit Type:		BP A33325			
User Type:		Gasoline service station			
Installation Type:		Gasoline tank			
Installation Size:					
Installation Config.:		3 x gasoline tanks			
No. Tanks Installed:		3			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Units of Measure:					
Value/Tank (\$):		1500			
Capacity(gal):					
Reference:		CTA Building permits			
Location Desc:		Yonge St sw cor Chaplin			
<u>81</u>	18 of 18	SW/239.1	151.2	TORONTO TRANSIT COMMISSION ATTN: MARIO BORAGINA 1900 YONGE ST TORONTO ON M4S 1Z2	VAR
Incident Number:		009678662-001			
Status:		Variance Approved			
Task Name:		FS-Variance Review			
Attribute:		Abandon UST			
<u>82</u>	1 of 1	WNW/239.3	152.7	Seiwa Biodegrader Ltd. 28 Imperial St Toronto ON M5P 1C2	SCT
Established:		1/1/2006			
Plant Size (ft²):		100			
Employment:					
--- Details ---					
SIC/NAICS Code:		332999			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
<u>83</u>	1 of 1	ESE/241.3	151.8	ON	BORE
Borehole ID:		637234		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629555		Status: 17	
Location Accuracy:				UTM Zone: 4839623	
Elev. Reliability Note:				Northing: 155	
Total Depth m:		10.6		Orig. Ground Elev m: 155	
Township:				DEM Ground Elev m: 155	
Lot:				Primary Name:	
Completion Date:		AUG-1965		Concession:	
Primary Water Use:		Not Used		Municipality:	
				Static Water Level: .9	
				Sec. Water Use:	
--- Details ---					
Stratum ID:		218480156		Top Depth(m): 0.0	
Bottom Depth(m):		3.9		Stratum Desc: TILL,SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.	
+					
Stratum ID:		218480157		Top Depth(m): 3.9	
Bottom Depth(m):		6.7		Stratum Desc: TILL,SILT. GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 505.7 FEET.	
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID: 218480158				Top Depth(m): 6.7	
Bottom Depth(m): 10.6				Stratum Desc: SAND. GREY,LACUSTRINE,VERY DENSE, AGE GLACIAL. 00000060001270500022014000029	
84	1 of 21	SSW/241.4	151.5	1867 Yonge Street n/a ON M4S 1Y5	EHS
Order No.: 20060420003w					
Report Date: 4/20/2006					
Report Type: Online Mapless					
Search Radius (km): 0.25					
Addit. Info Ordered:					
84	2 of 21	SSW/241.4	151.5	1867 Yonge St. (east side) Toronto ON M4S 1Y5	EHS
Order No.: 20060529010					
Report Date: 5/30/2006					
Report Type: Site Report					
Search Radius (km): 0.25					
Addit. Info Ordered:					
84	3 of 21	SSW/241.4	151.5	1867 Yonge Street Toronto ON M4S 1Y5	EHS
Order No.: 20060814013					
Report Date: 8/16/2006					
Report Type: Complete Report					
Search Radius (km): 0.25					
Addit. Info Ordered: Title Search					
84	4 of 21	SSW/241.4	151.5	1867 Yonge St. Toronto ON M4S 1Y5	EHS
Order No.: 20060815014					
Report Date: 8/17/2006					
Report Type: Custom Report					
Search Radius (km): 0.5					
Addit. Info Ordered:					
84	5 of 21	SSW/241.4	151.5	Dr. Jonathan Adam Dentistry Professional Corporati 1867 Yonge Street, Suite 402 Toronto ON M4S 1Y5	GEN
Generator #: ON3815115					
Approval Yrs: 2010					
SIC Code: 621210, 621110					
SIC Description: Offices of Dentists, Offices of Physicians					
--- Details ---					
Waste Code: 312					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		PATHOLOGICAL WASTES			
<u>84</u>	6 of 21	SSW/241.4	151.5	Healthcare 365 Inc. 1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	GEN
Generator #:		ON8045975			
Approval Yrs:		2011			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
+					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
<u>84</u>	7 of 21	SSW/241.4	151.5	Healthcare 365 Inc. 1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	GEN
Generator #:		ON8045975			
Approval Yrs:		2012			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
+					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
<u>84</u>	8 of 21	SSW/241.4	151.5	Healthcare 365 Inc. 1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	GEN
Generator #:		ON8045975			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		261			
Waste Description:		Pharmaceuticals			
<u>84</u>	9 of 21	SSW/241.4	151.5	Healthcare 365 Inc. 1867 Yonge Street, Suite 905 Toronto ON M4S 1Y5	GEN
Generator #:		ON8045975			
Approval Yrs:		2010			
SIC Code:		621110			
SIC Description:		Offices of Physicians			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
			312		
			Waste Description:	PATHOLOGICAL WASTES	
			+		
			Waste Code:	261	
			Waste Description:	PHARMACEUTICALS	
<u>84</u>	10 of 21	SSW/241.4	151.5	1867 Yonge St. (NRL4) Ltd. 1867 Yonge St. Toronto ON M4S 1Y5	GEN
			Generator #:	ON8488581	
			Approval Yrs:	02,03,04	
			SIC Code:		
			SIC Description:		
--- Details ---					
			112		
			Waste Description:	ACID WASTE - HEAVY METALS	
			+		
			Waste Code:	121	
			Waste Description:	ALKALINE WASTES - HEAVY METALS	
			+		
			Waste Code:	146	
			Waste Description:	OTHER SPECIFIED INORGANICS	
<u>84</u>	11 of 21	SSW/241.4	151.5	Healthcare 365 Inc. 1867 Yonge Street, Suite 905 Toronto ON	GEN
			Generator #:	ON8045975	
			Approval Yrs:	2013	
			SIC Code:	621110	
			SIC Description:	OFFICES OF PHYSICIANS	
--- Details ---					
			261		
			Waste Description:	PHARMACEUTICALS	
			+		
			Waste Code:	312	
			Waste Description:	PATHOLOGICAL WASTES	
<u>84</u>	12 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 05-764 1867 YONGE STREET C/O ONE QUEEN STREET EAST TORONTO ON M4S 1Y5	GEN
			Generator #:	ON1135008	
			Approval Yrs:	92,93,94,95,96,97,98	
			SIC Code:	7512	
			SIC Description:	NON-RES. BLDG. OPER.	
--- Details ---					
			252		
			Waste Description:	WASTE OILS & LUBRICANTS	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>84</u>	13 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE ST TORONTO ON M4S 1Y5	NPCB
Company Code:		F0818			
Transaction Date:					
Inspection Date:					
Industry:		UNDEFINED			
Site Status:					
<u>84</u>	14 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	NPCB
Company Code:		F0869			
Transaction Date:		1/29/1996			
Inspection Date:					
Industry:					
Site Status:					
--- Details ---					
Label:					
No. of Items:					
Contents:		200.00 KG			
Serial No.:					
Item/State:					
Status:		Stored for Disposal			
PCB Type/Code:		Askarel			
Location:					
Manufacturer:					
<u>84</u>	15 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	OPCB
Year:		2003			
Site Number:		30191A029			
<u>84</u>	16 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	OPCB
Year:		2004			
Site Number:		30191A029			
<u>84</u>	17 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	OPCB
Year:		2000			
Site Number:		30191A029			
<u>84</u>	18 of 21	SSW/241.4	151.5	BRAMALEA LIMITED	OPCB

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				1867 YONGE STREET TORONTO ON M4S 1Y5	
Year:		1998			
Site Number:		30191A029			
--- Details ---					
Quantity:		1.00			
Description:		Number of Drums of Ballasts with High Level PCBs (>1000 ppm)			
+					
Quantity:		200.00			
Description:		Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)			
84	19 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	OPCB
Year:		1995			
Site Number:		30191A029			
--- Details ---					
Quantity:		1.00			
Description:		Number of Drums of Ballasts with High Level PCBs (>1000 ppm)			
+					
Quantity:		200.00			
Description:		Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg			
84	20 of 21	SSW/241.4	151.5	BRAMALEA LIMITED 1867 YONGE STREET TORONTO ON M4S 1Y5	OPCB
Year:		1999			
Site Number:		30191A029			
--- Details ---					
Quantity:		1.00			
Description:		Number of Drums of Ballasts with High Level PCBs (>1000 ppm)			
+					
Quantity:		200.00			
Description:		Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)			
84	21 of 21	SSW/241.4	151.5	CryptoLogic Inc. 1867 Yonge St Floor 7 Toronto ON M4S 1Y5	SCT
Established:					
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		541510			
Description:		Computer Systems Design and Related Services			
+					
SIC/NAICS Code:		511210			
Description:		Software Publishers			
+					
SIC/NAICS Code:		517111			
Description:		Wired Telecommunications Carriers (except Cable)			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC/NAICS Code:		517910			
Description:		Other Telecommunications			
<u>85</u>	1 of 1	WNW/241.6	152.8	1994-2008 Yonge Street Toronto ON M4S 1Z7	EHS
Order No.:		20110531062			
Report Date:		6/9/2011			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans; City Directory			
<u>86</u>	1 of 1	WNW/243.9	152.9	ON	WWIS
Well ID:		7170889		Lot:	
Concession:				Concession Name:	
County:		YORK		Municipality: TORONTO CITY	
Easting Nad83:		629116		Northing Nad83: 4839830	
Zone:		17		Utm Reliability: margin of error : 10 - 30 m	
Primary Water Use:				Construction Date: 05-JUL-11	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock k:	
Water Type:				Casing Material:	
<u>87</u>	1 of 1	NW/244.5	152.6	1994-2008 Yonge St. Toronto ON M4S 1Z7	EHS
Order No.:		20051118008			
Report Date:		11/28/2005			
Report Type:		Complete Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<u>88</u>	1 of 1	S/245.0	151.8	ON	BORE
Borehole ID:		646920		Type: Borehole	
Use:		Geotechnical/Geological Investigation			
Drill Method:		Power auger			
Easting:		629305		Status:	
Location Accuracy:				UTM Zone: 17	
Elev. Reliability Note:				Northing: 4839483	
Total Depth m:		15.2		Orig. Ground Elev m: 153	
Township:				DEM Ground Elev m: 153	
				Primary Name:	
				Concession:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Lot:				Municipality:	
Completion Date:	FEB-1971			Static Water Level:	1.1
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218516920			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	FILL,SILT,CLAY.
+					
Stratum ID:	218516921			Top Depth(m):	0.6
Bottom Depth(m):	4.6			Stratum Desc:	TILL,SILT,SAND,CLAY.BROWN,GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:	218516922			Top Depth(m):	4.6
Bottom Depth(m):	7.8			Stratum Desc:	TILL,SILT,SAND,CLAY.GREY,GLACIAL,VERY DENSE, AGE GLACIAL, WATER STABLE AT 500.6 FEET.
+					
Stratum ID:	218516923			Top Depth(m):	7.8
Bottom Depth(m):	10.5			Stratum Desc:	SAND-FINE TO MEDIUM.GREY,FLUVIO-GLACIAL, VERY DENSE,AGE GLACIAL.
+					
Stratum ID:	218516924			Top Depth(m):	10.5
Bottom Depth(m):	12.8			Stratum Desc:	CLAY,SILT. GREY,LACUSTRINE,HARD, AGE GLACIAL.
+					
Stratum ID:	218516925			Top Depth(m):	12.8
Bottom Depth(m):	15.2			Stratum Desc:	TILL,CLAY. GLACIAL,HARD,AGE GLACIAL. 010 009 015 019

89 1 of 1 SSW/246.8 151.5 ON BORE

Borehole ID:	646918	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Power auger	UTM Zone:	17
Easting:	629255	Northing:	4839493
Location Accuracy:		Orig. Ground Elev m:	153
Elev. Reliability Note:		DEM Ground Elev m:	153
Total Depth m:	15.2	Primary Name:	
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	FEB-1971	Static Water Level:	1.2
Primary Water Use:	Not Used	Sec. Water Use:	

--- Details ---			
Stratum ID:	218516910	Top Depth(m):	0.0
Bottom Depth(m):	0.9	Stratum Desc:	FILL,SAND,SILT,CLAY.
+			
Stratum ID:	218516911	Top Depth(m):	0.9
Bottom Depth(m):	4.6	Stratum Desc:	TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,DENSE, AGE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					GLACIAL.
+					
Stratum ID:	218516912			Top Depth(m):	4.6
Bottom Depth(m):	7.6			Stratum Desc:	TILL,SILT,SAND, GRAVEL. GREY, GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 500.8 FEET.
+					
Stratum ID:	218516913			Top Depth(m):	7.6
Bottom Depth(m):	11.6			Stratum Desc:	SAND-FINE TO MEDIUM,TILL. FLUVIO-GLACIAL, VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218516914			Top Depth(m):	11.6
Bottom Depth(m):	15.2			Stratum Desc:	TILL,CLAY,SILT, GRAVEL. GREY, GLACIAL, DENSE, AGE GLACIAL. 017 008 015
90	1 of 1	S/247.7	151.8	ON	BORE
Borehole ID:	646947			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629385			Northing:	4839483
Location Accuracy:				Orig. Ground Elev m:	154
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	12			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAR-1964			Static Water Level:	1.2
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218517020			Top Depth(m):	0.0
Bottom Depth(m):	3.3			Stratum Desc:	TILL,SILT. BROWN, GLACIAL, VERY DENSE, AGE GLACIAL.
+					
Stratum ID:	218517021			Top Depth(m):	3.3
Bottom Depth(m):	9.1			Stratum Desc:	TILL,SILT. GREY, GLACIAL, VERY DENSE, AGE GLACIAL, WATER STABLE AT 501.9 FEET.
+					
Stratum ID:	218517022			Top Depth(m):	9.1
Bottom Depth(m):	10.3			Stratum Desc:	SAND-MEDIUM. LACUSTRINE, DENSE, AGE GLACIAL.
+					
Stratum ID:	218517023			Top Depth(m):	10.3
Bottom Depth(m):	12.0			Stratum Desc:	CLAY. GREY, LACUSTRINE, HARD, AGE GLACIAL. 00000060001080600029808000338110 00002

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<u>91</u>	1 of 1	SSW/248.5	151.4	ON	BORE
Borehole ID:	636416			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629250			Northing:	4839493
Location Accuracy:				Orig. Ground Elev m:	154
Elev. Reliability Note:				DEM Ground Elev m:	153
Total Depth m:	13.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUN-1965			Static Water Level:	1.4
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218476858			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL,CLAY,SAND,SOIL.
+					
Stratum ID:	218476859			Top Depth(m):	1.5
Bottom Depth(m):	4.6			Stratum Desc:	CLAY,SAND,STONES. BROWN,GLACIAL,AGE GLACIAL, WATER STABLE AT 501.5 FEET.
+					
Stratum ID:	218476860			Top Depth(m):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	TILL,CLAY,SAND,SILT.GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476861			Top Depth(m):	6.1
Bottom Depth(m):	10.7			Stratum Desc:	SAND-MEDIUM. GREY,FLUVIO- GLACIAL,WET, AGE GLACIAL.
+					
Stratum ID:	218476862			Top Depth(m):	10.7
Bottom Depth(m):	13.7			Stratum Desc:	CLAY,SILT. GREY,LACUSTRINE,WET, AGE GLACIAL. 00050029001500310020007500350102 00025
<u>92</u>	1 of 1	E/249.2	151.8	ON	BORE
Borehole ID:	639750			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629585			Northing:	4839748
Location Accuracy:				Orig. Ground Elev m:	155
Elev. Reliability Note:				DEM Ground Elev m:	154
Total Depth m:	4.8			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1956			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Stratum ID:	218489501			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	CLAY,SAND. BROWN,GREY,LACUSTRINE,FIRM.
+					
Stratum ID:	218489502			Top Depth(m):	0.6
Bottom Depth(m):	4.5			Stratum Desc:	SAND,CLAY,GRAVEL. BROWN,GREY,GLACIAL,COMPACT.
+					
Stratum ID:	218489503			Top Depth(m):	4.5
Bottom Depth(m):	4.8			Stratum Desc:	SAND-MEDIUM. GREY,LACUSTRINE,VERY DENSE. 0002002700149080

<u>93</u>	1 of 1	SSW/249.4	151.6	ON	BORE
Borehole ID:	636395			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Diamond Drill			UTM Zone:	17
Easting:	629280			Northing:	4839483
Location Accuracy:				Orig. Ground Elev m:	151
Elev. Reliability Note:				DEM Ground Elev m:	152
Total Depth m:	11			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	FEB-1963			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	

--- Details ---					
Stratum ID:	218476765			Top Depth(m):	9.4
Bottom Depth(m):	11.0			Stratum Desc:	TILL,CLAY. GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476761			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	FILL.
+					
Stratum ID:	218476762			Top Depth(m):	1.2
Bottom Depth(m):	3.7			Stratum Desc:	TILL,CLAY. GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476763			Top Depth(m):	3.7
Bottom Depth(m):	6.6			Stratum Desc:	TILL,SAND. GLACIAL,AGE GLACIAL.
+					
Stratum ID:	218476764			Top Depth(m):	6.6
Bottom Depth(m):	9.4			Stratum Desc:	SAND. GLACIAL,AGE GLACIAL.

<u>94</u>	1 of 1	NW/249.4	152.6	Sunset Flora Builders Corp. 1996, 2000 & 2008 Yonge Street and 23 Glebe Road West Toronto ON	RSC
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Date Submitted: 2014-02-12
Date Acknowledg.:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Date Returned: Certification Date: Soil Type: Restoration Type: Registration #: 212052 Stratified (Y/N): Criteria: Consultant: District Office: Toronto Intended Prop Use: Residential Current Property Use: Certificate Prop Use #: Applicable Standards: Legal Description: Prop. Identification #: Entire legal prop. (y/n): UTM Coordinates: Latitude & Longitude: Accuracy Estimate: Measurement Method: CPU Issued Sect 1686:					
<u>95</u>	1 of 1	SSW/250.3	151.3	ON	BORE
Borehole ID:	637896			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Power auger			UTM Zone:	17
Easting:	629245			Northing:	4839493
Location Accuracy:				Orig. Ground Elev m:	154
Elev. Reliability Note:				DEM Ground Elev m:	153
Total Depth m:	13.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	APR-1965			Static Water Level:	-999.9
Primary Water Use:	Not Used			Sec. Water Use:	
--- Details ---					
Stratum ID:	218482132			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL,SAND,CLAY, STONES.
+					
Stratum ID:	218482133			Top Depth(m):	1.5
Bottom Depth(m):	4.6			Stratum Desc:	CLAY,SAND,STONES. BROWN,GLACIAL,DENSE, AGE GLACIAL.
+					
Stratum ID:	218482134			Top Depth(m):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	TILL,SAND,CLAY,SILT.BROWN,GLACIAL, DENSE, AGE GLACIAL.
+					
Stratum ID:	218482135			Top Depth(m):	6.1
Bottom Depth(m):	10.7			Stratum Desc:	SAND-MEDIUM. GREY,FLUVIO- GLACIAL, VERY DENSE,AGE GLACIAL.

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
+					
Stratum ID:	218482136			Top Depth(m):	10.7
Bottom Depth(m):	13.7			Stratum Desc:	CLAY,SILT. GREY,GLACIAL,VERY HARD, AGE GLACIAL. 00050025001500250020008000350100

Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA	BRAMALEA LIMITED WESTPOINTE VILLAGE DEV.	STREET 'A'	YORK CITY ON	
CA	MICAH HOMES NON- PROFIT HSG. CORP.	PT.LOT 1,CONC.3,W.OF YONGE ST.	YORK CITY ON	
CA		Lot 9, Concession 5, West of Yonge Street	Toronto ON	
CA		Part of Lots 128 & 129, RP 3344, E. of Yonge St.	Toronto ON	
CA	CITY	E.OF YONGE ST. (LANE)	TORONTO ON	
CA		Part of Lots 128 & 129, RP 3344, E. of Yonge St.	Toronto ON	
CA		Pt Lot 3,Con 3, E of Yonge St, Pt Block S, Reg Plan 566. Designated as Pts 1,2,3, 4 and 5 Plan 66R-17673	Toronto ON	
CA	BRAMALEA LIMITED- DWG.#10-90030-1- SIMPSON	PEDESTRIAN TUNNEL-W. SIDE YONG	TORONTO CITY ON	
CA	BRAMALEA LIMITED- DWG.#10-90030-2- SIMPSON	PEDESTRIAN TUNNEL-W. SIDE YONG	TORONTO CITY ON	
CA		Part of Lots 128 & 129, RP 3344, E. of Yonge St.	Toronto ON	
CA	CITY	W.OF YONGE ST. (LANE)	TORONTO ON	
CA	Toronto Transit Commission	Yonge St	Toronto ON	
CA		Pt Lot 3, Con 3, East of Yonge St, and Pt Blk S, Reg Plan 566. Designated as Pts 1,2,3, 4 and 5 on Plan 66R-17673	Toronto ON	
CA	CITY	W.OF YONGE ST. (LANE)	TORONTO ON	
EBR	Satin Finish Hardwood Flooring (Ontario) Limited	Lot 9, Concession 5, West of Yonge Street	Toronto ON	

ECA	City of Toronto	Yonge St from Churchill Avenue to Mckee Avenue	Toronto ON	
GEN	NORTH YORK PRINTING & GRAPHICS INC.	YONGE STREET	TORONTO ON	
GEN	Coffey Geotechnics Inc.	Yonge St. between Lawrence Ave and Wanless Ave.	Toronto ON	
GEN	VICTONE CLEANERS	Yonge Street	Toronto ON	
NPRI	TORONTO TRANSIT COMMISSION	1900 YONGE Street	TORONTO ON	M4S1Z1
SPL	Miller Transit Limited	Yonge St, North of Madawaska Ave.<UNOFFICIAL>	Toronto ON	
SPL	FERRYBOAT	LAKE ONTARIO AT THE YONGE ST. SLIP, WEST SIDE	TORONTO CITY ON	
SPL	UNKNOWN	YONGE ST. EAST NEAR WATERFRONT	TORONTO CITY ON	
SPL	UNKNOWN	LAKE ONTARIO AT YONGE ST. SLIP	TORONTO CITY ON	
SPL		Northbound Yonge Street south of Steeles Avenue at Madawaska.<UNOFFICIAL>	Toronto ON	
SPL		Yonge St north bound and east on Roehampton Ave	Toronto ON	

Unplottable Report

Site: BRAMALEA LIMITED WESTPOINTE VILLAGE DEV.
STREET 'A' YORK CITY ON

Database:
CA

Certificate #: 3-1343-89-
Application Year: 89
Issue Date: 4/27/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MICAH HOMES NON-PROFIT HSG. CORP.
PT.LOT 1,CONC.3,W.OF YONGE ST. YORK CITY ON

Database:
CA

Certificate #: 8-3015-92-
Application Year: 92
Issue Date: 8/6/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INSTALL 150KW KOHLER EMERGENCY GEN-SET
Contaminants: Nitrogen Oxides, Sulphur Dioxide
Emission Control: No Controls

Site: Lot 9, Concession 5, West of Yonge Street Toronto ON

Database:
CA

Certificate #: 3864-4PDQ6K
Application Year: 00
Issue Date: 9/26/00
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: Satin Finish Hardwood Flooring (Ontario) Limited
Client Address: 8 Oak Street
Client City: Toronto
Client Postal Code: M9N 1R8
Project Description: This application is for approval for noise mitigation measures for pollution control equipment which is located adjacent to a proposed residential development. The sources of noise associated with the operation are external mechanical equipment including cyclones and

associated duct work for the scrap system for a manufacturer of hardwood flooring, sashes, doors and wooden ware of all kinds.

Contaminants:
Emission Control:

Site: Part of Lots 128 & 129, RP 3344, E. of Yonge St. Toronto ON

Database:
CA

Certificate #: 5445-4KPLH9
Application Year: 00
Issue Date: 6/5/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Heritage-Willow Estates Limited
Client Address: 55 Doncaster Avenue, Suite #104
Client City: Thornhill
Client Postal Code: L3T 1L7
Project Description: Construction of a Watermain on Doverwood Court
Contaminants:
Emission Control:

Site: CITY
E.OF YONGE ST. (LANE) TORONTO ON

Database:
CA

Certificate #: 3-0447-85-006
Application Year: 85
Issue Date: 6/18/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Part of Lots 128 & 129, RP 3344, E. of Yonge St. Toronto ON

Database:
CA

Certificate #: 7324-4KNNSR
Application Year: 00
Issue Date: 6/5/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Heritage-Willow Estates Limited
Client Address: 55 Doncaster Avenue, Suite #104
Client City: Thornhill
Client Postal Code: L3T 1L7
Project Description: Construction of a storm and sanitary sewer on Doverwood Court
Contaminants:
Emission Control:

Site:

Pt Lot 3, Con 3, E of Yonge St, Pt Block S, Reg Plan 566. Designated as Pts 1,2,3, 4 and 5 Plan 66R-17673 Toronto ON

Database:

CA

Certificate #: 8764-4RBTNN
Application Year: 01
Issue Date: 1/8/01
Approval Type: Municipal & Private sewage
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name: English Lane Homes Inc.
Client Address: 333 Sheppard Avenue East, Suite 300
Client City: Willowdale
Client Postal Code: M2N 3B3
Project Description: Construction of a storm sewer on City Land and an easement in Moccasin Trail Park.
Contaminants:
Emission Control:

Site: *BRAMALEA LIMITED-DWG.#10-90030-1-SIMPSON
 PEDESTRIAN TUNNEL-W. SIDE YONG TORONTO CITY ON*

Database:

CA

Certificate #: 3-1535-90-
Application Year: 90
Issue Date: 8/29/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *BRAMALEA LIMITED-DWG.#10-90030-2-SIMPSON
 PEDESTRIAN TUNNEL-W. SIDE YONG TORONTO CITY ON*

Database:

CA

Certificate #: 7-1243-90-
Application Year: 90
Issue Date: 7/2/1992
Approval Type: Municipal water
Status: Underwent 1st revision in 1992
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:

Part of Lots 128 & 129, RP 3344, E. of Yonge St. Toronto ON

Database:

CA

Certificate #: 3666-4KZPAZ

Application Year: 00
Issue Date: 6/7/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Heritage-Willow Estates Limited
Client Address: 55 Doncaster Avenue, Suite #104
Client City: Thornhill
Client Postal Code: L3T 1L7
Project Description: This application is for the construction of a storm water management facility to serve a proposed residential development in the City of Toronto, North District.
Contaminants:
Emission Control:

Site: CITY W.OF YONGE ST. (LANE) TORONTO ON **Database:** CA

Certificate #: 3-0605-85-006
Application Year: 85
Issue Date: 8/2/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Toronto Transit Commission Yonge St Toronto ON **Database:** CA

Certificate #: 9045-7BTQNX
Application Year: 2008
Issue Date: 2/22/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Pt Lot 3, Con 3, East of Yonge St, and Pt Blk S, Reg Plan 566. Designated as Pts 1,2,3, 4 and 5 on Plan 66R-17673 Toronto ON **Database:** CA

Certificate #: 6757-4SPQEJ
Application Year: 01
Issue Date: 1/8/01
Approval Type: Municipal & Private sewage
Status: Approved

Application Type: Amended CofA
Client Name: English Lane Homes Inc. & Don-Green Belt Developments Inc.
Client Address: 333 Sheppard Avenue East, Suite 300
Client City: Willowdale
Client Postal Code: M2N 3B3
Project Description: Change in ownership to include Don-Green Belt Developments Inc.
Contaminants:
Emission Control:

Site: CITY
W.OF YONGE ST. (LANE) TORONTO ON

Database:
CA

Certificate #: 3-0607-85-006
Application Year: 85
Issue Date: 7/29/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Satin Finish Hardwood Flooring (Ontario) Limited
Lot 9, Concession 5, West of Yonge Street Toronto ON

Database:
EBR

Year: 2000
EBR Registry No.: IA00E1047
Ministry Ref. No.:
Type: Instrument
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date:
Location: Lot 9, Concession 5, West of Yonge Street, Toronto, Ontario Toronto
Proponent Address: Satin Finish Hardwood Flooring (Ontario) Limited 8 Oak Street, Toronto, Ontario, M9N 1R8

Site: City of Toronto
Yonge St from Churchill Avenue to Mckee Avenue Toronto ON

Database:
ECA

CofA Number: 8838-98RHPZ
Date: 6/21/2013
Status: Approved
Project Type: Municipal and Private Sewage

Site: NORTH YORK PRINTING & GRAPHICS INC.
YONGE STREET TORONTO ON

Database:
GEN

Generator #: ON7229188
Approval Yrs: 2009
SIC Code: 323114
SIC Description: Quick Printing

--- Details ---

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Site: Coffey Geotechnics Inc.
 Yonge St. between Lawrence Ave and Wanless Ave. Toronto ON

Database:
 GEN

Generator #: ON5211708
Approval Yrs: 2009
SIC Code: 541330
SIC Description: Engineering Services

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: VICTONE CLEANERS
 Yonge Street Toronto ON

Database:
 GEN

Generator #: ON0611700
Approval Yrs: 2010
SIC Code: 812310
SIC Description: Coin-Operated Laundries and Dry Cleaners

--- Details ---

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: TORONTO TRANSIT COMMISSION
 1900 YONGE Street TORONTO ON M4S1Z1

Database:
 NPRI

NPRI #: 8800001874
Year: 2004
Longitude:
Latitude:

--- Details ---

Air:
Water:
Land:
Units: tonnes
Substances Released: Nitrous oxide
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: Nitrogen oxides (expressed as NO2)
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: Carbon dioxide
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
 +

Air:
Water:
Land:
Units: tonnes
Substances Released: Carbon monoxide
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: Sulphur dioxide
 +
Air: .019
Water:
Land:
Units: tonnes
Substances Released: HFC-134a Hydrofluorocarbon
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: Methane
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: PM - Total Particulate Matter
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: PM10 - Particulate Matter <= 10 Microns
 +
Air:
Water:
Land:
Units: tonnes
Substances Released: Volatile Organic Compounds (VOCs)

Site: *Miller Transit Limited*
Yonge St, North of Madawaska Ave.<UNOFFICIAL> Toronto ON

Database:
SPL

Ref No.: 1630-6A3VRZ
Incident Dt: 3/1/2005
MOE Reported Dt: 3/1/2005
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity:
Incident Summary: York Reg. Transit-coolant to Rd/C.B. from bus.
Incident Cause: Other Discharges
Incident Reason: Equipment Failure
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Possible

Site: *FERRYBOAT*
LAKE ONTARIO AT THE YONGE ST. SLIP, WEST SIDE TORONTO CITY ON

Database:
SPL

Ref No.: 172550
Incident Dt: 9/9/1999
MOE Reported Dt: 9/9/1999
Contaminant Name:
Contaminant Quantity:
Incident Summary: 'BRENDA C' WATER TAXI - 5 L OF DIESEL FUEL TO LAKE ONTARIO.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: EQUIPMENT FAILURE
Nature of Impact: Other
Receiving Medium: WATER
Environmental Impact: NOT ANTICIPATED

Site: UNKNOWN
 YONGE ST. EAST NEAR WATERFRONT TORONTO CITY ON

Database:
 SPL

Ref No.: 74231
Incident Dt: 7/27/1992
MOE Reported Dt: 7/27/1992
Contaminant Name:
Contaminant Quantity:
Incident Summary: SEWAGE PUMPING TRUCK SPILLING SEWAGE TO ROAD.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: UNKNOWN
Nature of Impact:
Receiving Medium: LAND
Environmental Impact: NOT ANTICIPATED

Site: UNKNOWN
 LAKE ONTARIO AT YONGE ST. SLIP TORONTO CITY ON

Database:
 SPL

Ref No.: 173630
Incident Dt: 10/10/1999
MOE Reported Dt: 10/10/1999
Contaminant Name:
Contaminant Quantity:
Incident Summary: SOURCE UNKNOWN - OIL SHEEN IN TORONTO HARBOUR AT YONGE ST.
Incident Cause: UNKNOWN
Incident Reason: UNKNOWN
Nature of Impact: Water course or lake
Receiving Medium: WATER
Environmental Impact: CONFIRMED

Site: Northbound Yonge Street south of Steeles Avenue at Madawaska.<UNOFFICIAL> Toronto ON

Database:
 SPL

Ref No.: 3753-6A3UA7
Incident Dt: 3/1/2005
MOE Reported Dt: 3/1/2005
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity:
Incident Summary: Miller Transit: Coolant to gnd and possibly sewer
Incident Cause: Cooling System Leak
Incident Reason: Unknown - Reason not determined
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Environmental Impact: Possible

Site:**Yonge St north bound and east on Roehampton Ave Toronto ON****Database:****SPL**

Ref No.: 0378-7R8G36
Incident Dt:
MOE Reported Dt: 4/18/2009
Contaminant Name: MILK PRODUCT
Contaminant Quantity:
Incident Summary: Waste Co: Spilled milk from garbage truck to rdway.
Incident Cause: Process Upset
Incident Reason: Spill
Nature of Impact: Other Impact(s)
Receiving Medium:
Environmental Impact: Not Anticipated

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial AAGR

The MAAP Program maintains a database of 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.*

*Government Publication Date: Sept 2002**

Aggregate Inventory:

Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Aug 2012

Abandoned Mine Information System:

Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Jan 2014

Anderson's Waste Disposal Sites:

Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

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.

Government Publication Date: 2001-Jul 2014

Borehole:Provincial **BORE**

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2014

Certificates of Approval:Provincial **CA**

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

*Government Publication Date: 1985-Oct 30, 2011**

Commercial Fuel Oil Tanks: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.

Government Publication Date: 1948-2014

Chemical Register:Private **CHEM**

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1992, 1999-Jul 2014

Inventory of Coal Gasification Plants and Coal Tar Sites:Provincial **COAL**

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

*Government Publication Date: Apr 1987 and Nov 1988**

Compliance and Convictions:Provincial **CONV**

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Feb 2014

Certificates of Property Use:Provincial **CPU**

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Apr 2015

Drill Hole Database:

Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886-Jan 2014

Environmental Activity and Sector Registry:

Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 31 2011-Apr 2015

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Apr 2015

Environmental Compliance Approval:

Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 31, 2011-Apr 2015

Environmental Effects Monitoring:

Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

*Government Publication Date: 1992-2007**

ERIS Historical Searches:

Private EHS

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.

Government Publication Date: 1999-Aug 2014

Environmental Issues Inventory System:

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.

*Government Publication Date: 1992-2001**

List of TSSA Expired Facilities:

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.

Government Publication Date: Current to Nov 2014

Federal Convictions:

Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

*Government Publication Date: 1988-Jun 2007**

Contaminated Sites on Federal Land:

Federal FCS

The Federal Contaminated Sites Inventory includes information on 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.

Government Publication Date: June 2000-Apr 2015

Fisheries & Oceans Fuel Tanks:

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.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

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.

Government Publication Date: 2010-Nov 2014

Fuel Storage Tank - Historic:

Provincial FSTH

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.

*Government Publication Date: Pre-Jan 2010**

Ontario Regulation 347 Waste Generators Summary:

Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Apr 2014

TSSA Historic Incidents:

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.

*Government Publication Date: 2006-June 2009**

Indian & Northern Affairs Fuel Tanks:

Federal IAFT

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

*Government Publication Date: 1950-Aug 2003**

TSSA Incidents:

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.

Government Publication Date: June 2009-2014

Landfill Inventory Management Ontario:

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.

Government Publication Date: 2012

Canadian Mine Locations:

Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

*Government Publication Date: 1998-2009**

Mineral Occurrences:

Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Apr 2013

National Analysis of Trends in Emergencies System (NATES):

Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

*Government Publication Date: 1974-1994**

Non-Compliance Reports:

Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: 1994-2012

National Defence & Canadian Forces Fuel Tanks:

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.

*Government Publication Date: Up to May 2001**

National Defence & Canadian Forces Spills:

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.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

*Government Publication Date: 2001-Apr 2007**

National Environmental Emergencies System (NEES):

Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for 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.

*Government Publication Date: 1974-2003**

National PCB Inventory:

Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. 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. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

*Government Publication Date: 1988-2008**

National Pollutant Release Inventory:

Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-2013

Oil and Gas Wells:

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.

Government Publication Date: 1988-Mar 2015

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, 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.

Government Publication Date: 1800-2013

Inventory of PCB Storage Sites:

Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004

Orders:

Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Apr 2015

Canadian Pulp and Paper:

Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:

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.

*Government Publication Date: 1920-Jan 2005**

Pesticide Register:

Provincial PES

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents:

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.

Government Publication Date: June 2009-2014

Private and Retail Fuel Storage Tanks:

Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

*Government Publication Date: 1989-1996**

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Apr 2015

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2013

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2015

Retail Fuel Storage Tanks:

Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Jul 2014

Scott's Manufacturing Directory:

Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011

Ontario Spills:

Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Feb 2014

Wastewater Discharger Registration Database:

Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2011

Anderson's Storage Tanks:

Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

*Government Publication Date: 1915-1953**

Transport Canada Fuel Storage Tanks:

Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

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.

Government Publication Date: Current to Nov 2014

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: 1970-Apr 2015

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

*Government Publication Date: Up to Oct 1990**

Water Well Information System:

Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: 1955-Mar 2014

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries". All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

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

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and were included as reference.

APPENDIX D**Provincial FOI Records**

Ministry of the Environment
 Freedom of Information and Protection of Privacy Office
 40 St. Clair Avenue West, 12th Floor
 Toronto, ON M4V 1M2
 Tel: 416-314-4075
 Fax: 416-314-4285



Use this form to request records that are in the Ministry's files on environmental concerns related to properties.
 Please refer to the guide on the completion and use of this form. Our fax no. is 416-314-4285.

Requester Data			For Ministry Use Only																									
Name, Title, Company Name and Mailing Address of Requester Winston Lew Environmental Engineer Soil Probe Ltd. 20-110 Transvale Crescent Toronto, ON M1X 1M2 Email Address: winstonl@soilprobe.ca			FOI Request No.		Date Request Received																							
			Fee Paid																									
Tel: 416-754-7455 Fax: 416-754-1259			Your Project/Reference No. EV1046		Signature of Requester 		<table border="1"> <tr> <td>CHQ</td> <td>VISA/MC/AMEX</td> <td colspan="3">CASH/MONEY</td> </tr> <tr> <td>ORDER</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CNR</td> <td>ER</td> <td>NOR</td> <td>SWR</td> <td>WCR</td> </tr> <tr> <td>IEB</td> <td>EAA</td> <td>EMR</td> <td>SCB</td> <td>SDW</td> </tr> </table>		CHQ	VISA/MC/AMEX	CASH/MONEY			ORDER					CNR	ER	NOR	SWR	WCR	IEB	EAA	EMR	SCB	SDW
			CHQ	VISA/MC/AMEX	CASH/MONEY																							
ORDER																												
CNR	ER	NOR	SWR	WCR																								
IEB	EAA	EMR	SCB	SDW																								
Request Parameters																												
Municipal Address/Lot, Concession, Geographic Township (Municipal address mandatory for cities, towns or regions) 43 Millwood Road, Toronto, ON																												
Present Property Owner(s) and Date(s) of Ownership Toronto District School Board 09/21/2011 to Present																												
Previous Property Owner(s) and Date(s) of Ownership The Board of Education for the City of Toronto 10/27/1960 to 09/21/2011																												
Present/Previous Tenant(s) (if applicable)																												
Search Parameters Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.					Specify Year(s) Requested																							
Environmental concerns (General correspondence, occurrence reports, abatement)					1985 to Present																							
Orders					1985 to Present																							
Spills					1985 to Present																							
Investigations/prosecutions ▶ <i>Owner and tenant information must be provided</i>																												
Waste Generator number/classes					1985 to Present																							
Certificates of Approval ▶ Proponent information must be provided and Certificates of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years of records to be searched. If supporting documents are also required, mark SD box.																												
					SD	Specify Year(s) Requested																						
Air - emissions																												
Renewable Energy																												
Water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)																												
Sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations																												
Waste water - industrial discharge																												
Waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites						1985 to Present																						
Waste systems		- haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction																										

APPENDIX E**Fire Insurance Plan**



FIRE INSURANCE MAP RESEARCH RESULTS

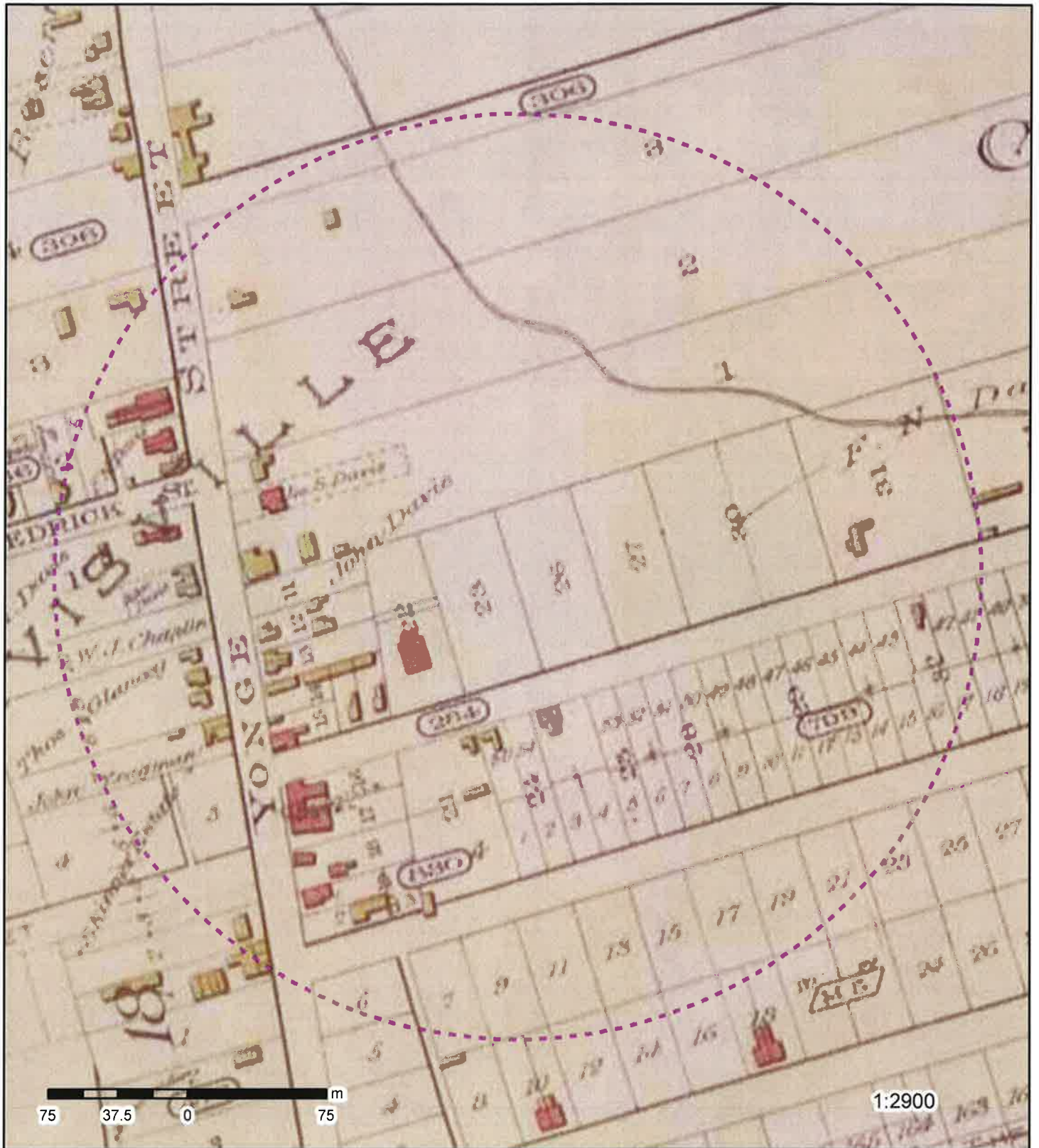
Date: 6/5/2015

Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

Order Number: 20150605071
43 Millwood Rd, Toronto, ON, M4S1J6

Province	City	Date	Volume	Sheet Number(s)
Ontario	Toronto	1894	NA	38
Ontario	Toronto	1903	NA	38
Ontario	Toronto	1959	7	799-15,799-16,799-17,799-19,799-19A,799-20A

Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.



Fire Insurance Map

Address: 43 Millwood Rd, Toronto, ON, M4S1J6

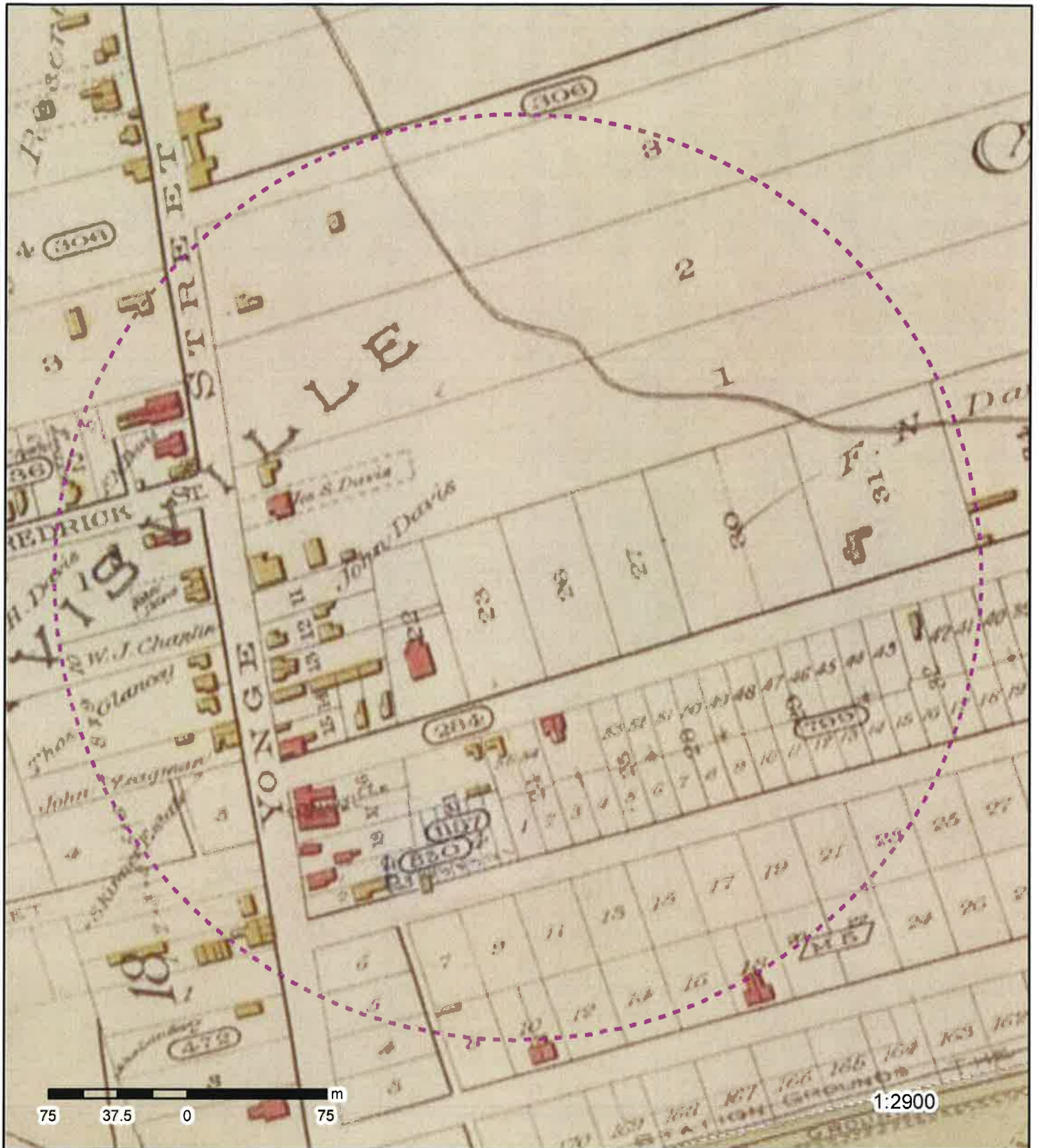
Map sheet(s): 38

The dashed line indicates the search radius around the site: 250 m

Order Number 20150605071



Toronto, Ontario, 1903



Fire Insurance Map

Address: 43 Millwood Rd, Toronto, ON, M4S1J6

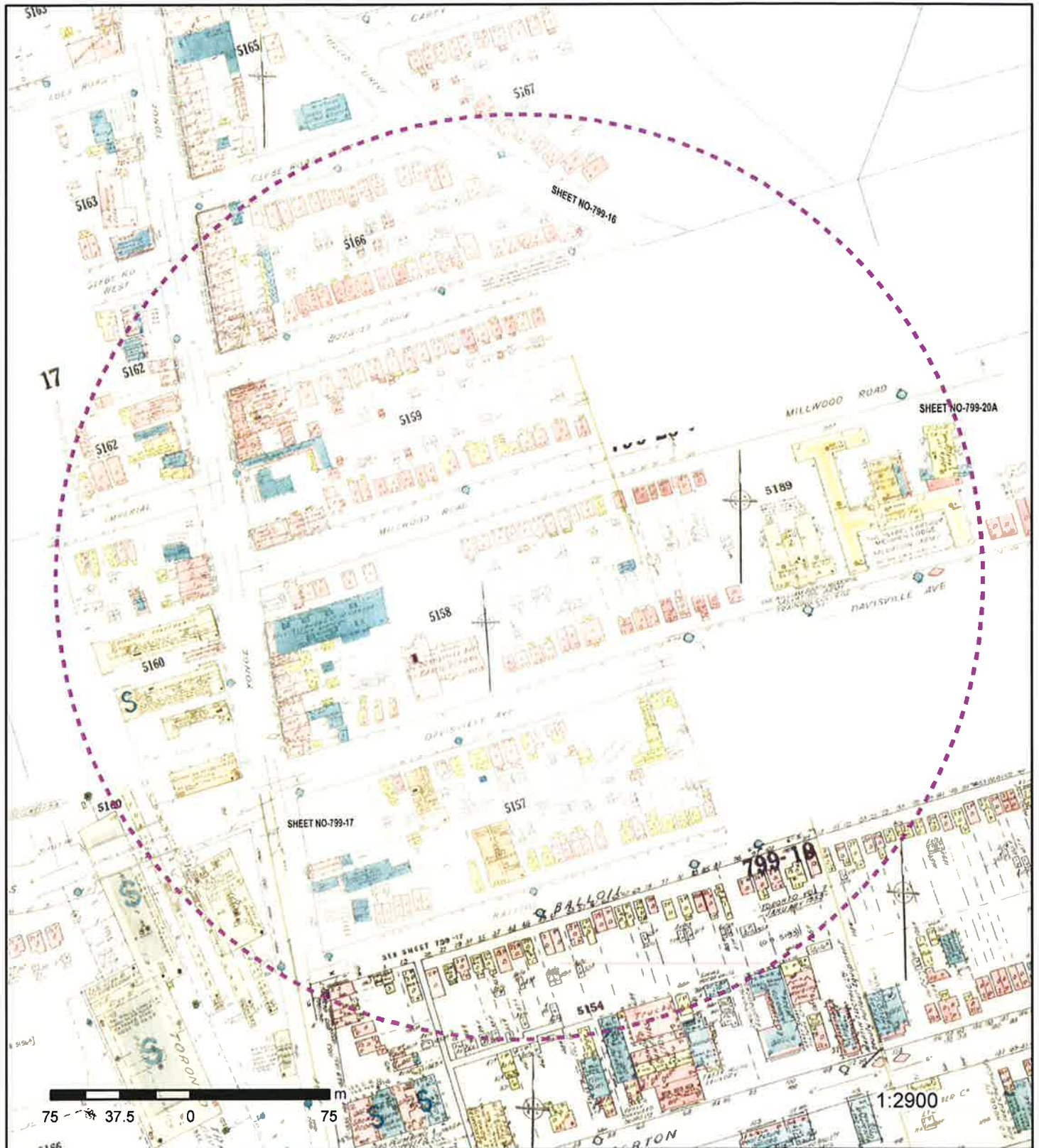
Map sheet(s): 38

The dashed line indicates the search radius around the site: 250 m

Order Number 20150605071



© Ecolog ERIS Ltd



Fire Insurance Map

Address: 43 Millwood Rd, Toronto, ON, M4S1J6

Map sheet(s): 799-15,799-16,799-17,799-19,799-19A,799-20A

The dashed line indicates the search radius around the site: 250 m

Order Number 20150605071



APPENDIX F

TSSA Records



Winston Lew <winstonl@soilprobe.ca>

Re: Database Search for Fuel Storage Tanks - Project EV1046

1 message

Public Information Services <publicinformationsservices@tssa.org>

11 June 2015 at 07:39

To: Winston Lew <winstonl@soilprobe.ca>

Hi Winston:

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationsservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you and have a great day!

Prem
Public Information Services

"Putting Public Safety First"

Technical Standards and Safety Authority
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

Toll-Free: 1-877-682-8772
Email: publicinformationsservices@tssa.org
Web Site: www.tssa.org

On Wed, Jun 10, 2015 at 4:24 PM, Winston Lew <winstonl@soilprobe.ca> wrote:

Good Afternoon,

We are carrying out an environmental study for a property with a school located at 43 Millwood Road, Toronto, Ontario.

The school is located between Millwood Road and Davisville Avenue, just east of Yonge Street.

Please inform us any information you have on your records concerning the property location description.

Thanks,
Winston Lew, P.Eng., QP
Environmental Engineer



T. (416) 754-7055 ext. 2141 | C. (647) 991-9935 | F. (416) 754-1259
winstonl@soilprobe.ca | www.soilprobe.ca

GEOTECHNICAL ENGINEERING | ENVIRONMENTAL ENGINEERING | MATERIALS TESTING & INSPECTION

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

APPENDIX G**Qualifications of Assessors**



QUALIFICATIONS OF ENVIRONMENTAL ASSESSORS

Winston Lew is a Professional Engineer with a wide range of experiences and expertise managing environmental related projects from Phase I/One Environmental Site Assessments (ESAs), Phase II/Two ESAs, remediation projects, insurance projects, Environmental Compliance Approvals (ECAs), National

Pollutant Release Inventories (NPRIs), Toxic Substance Reduction Plans (TSRPs), PCB removal, soil investigations, ground water investigations, tank removals, import and export fill material analysis programs, sewer use by-law sampling and analysis programs, drinking water analysis (regulated and unregulated), indoor air quality assessments, mould assessments, water damage assessments, post fire assessments and a new innovative construction outdoor air monitoring design.

Mr. Lew has over seven years of experience having worked on over 50 projects in the last two years. Mr. Lew has managed a skilful team of technicians and engineers as well as coordinating subcontractors and suppliers. He is known for keeping high levels of communication as the key contact between clients, suppliers, contractors and other key personnel.



RE: LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
 PROPOSED DAVISVILLE JUNIOR PUBLIC SCHOOL /
 METRO SCHOOL FOR THE DEAF / SPECTRUM ALT SENIOR SCHOOL
 TORONTO DISTRICT SCHOOL BOARD
 43 MILLWOOD ROAD
 TORONTO, ONTARIO

FOR: Toronto Lands Corporation
 Subsidiary of the Toronto District School Board
 60 St. Clair Avenue East, Suite 201
 Toronto, Ontario
 M4T 1N5

ATTENTION: Mr. Michael Tenenbaum

REPORT NO.: 2015-27692

DATE: October 7, 2015

DISTRIBUTION: 3 Copies:
 2 Copies: Toronto Lands Corporation
 1 Copy: Toronto District School Board
 PDF Copy: Toronto Lands Corporation Mr. Michael Tenenbaum
 [mtenenbaum@tdsb.on.cs]
 PDF Copy: Toronto District School Board Mr. Salvatore Beltrano
 [Salvatore.beltrano@tdsb.on.cs]
 Original: (File No. EV-1046)



October 7, 2015**REPORT NO.: 2015-27692****FILE NO.: EV-1046**

Mr. Michael Tenenbaum
Toronto Lands Corporation
Subsidiary of the Toronto District School Board
60 St. Clair Avenue East, Suite 201
Toronto, Ontario
M4T-1N5

Dear Mr. Tenenbaum,

RE: Limited Phase II Environmental Site Assessment
Proposed Davisville Junior Public School/ Metro School for the Deaf/
Spectrum Alt Senior School
43 Millwood Road
Toronto, Ontario

1.0 EXECUTIVE SUMMARY

Soil Probe Ltd. (Soil Probe) is pleased to present a Limited Phase II Environmental Site Assessment (ESA) report as requested by Mr. Michael Tenenbaum of the Toronto Land Corporation (the Client), a subsidiary of the Toronto District School Board (TDSB), for the TDSB school property located at 43 Millwood Road, in Toronto, Ontario (the Phase II Property or the Site). The general location of the Site is presented in **Drawing No. 1**.

The purpose of this Limited Phase II ESA was to further evaluate the significance of the Areas of Potential Environmental Concern (APECs) described in the Soil Probe Phase I ESA (Soil Probe's Report No. 2015-27482, dated June 19, 2015) (Phase I ESA Report), prepared for the Site. The objective of the Phase I ESA Report was to assess the property relative to the APECs and to the Potential Contaminating Activities (PCAs) that may have occurred throughout the historical and current use of the property. The Limited Phase II ESA was generally completed in accordance with the Scope of Work detailed in Soil Probe's Proposal No. 2015-2357 dated July 8, 2015, and subsequently authorized by the Client on July 10, 2015. With the authorization of the Client, the original scope of work was modified during the fieldwork to permit three (3) of the boreholes to be deepened in order to intercept the ground water.



The scope of the Phase II ESA was limited as full unhindered access for the drilling of boreholes within the school building(s) was not permitted.

The Client is aware that the Limited Phase II ESA was carried out in accordance with the Canadian Standards Association (CSA) Z769-00 (Reaffirmed 2008). The report used Ontario Regulation 153/04, as amended (O.Reg 153/04), as a guideline, however, it was understood that the report would not be completely in accordance with O.Reg. 153/04 and therefore cannot be submitted for a Record of Site Condition (RSC) with the Ministry of the Environment and Climate Change (MOECC).

The findings in this report may be used by the Client subject to the *Statement of Limitations* which forms an integral part of this document.

Based on the information obtained during the Phase I ESA records review, Site reconnaissance and interview process, the following APECs were identified as a result of PCAs that may have impacted the Site:

- APEC 1 – Potential soil and ground water impacts due to the past use of an Underground Storage Tank (UST) at the Phase II Property used for heating purposes;
- APEC 2 – Potential soil and ground water impact due to the past use of a garbage incinerator at the school;
- APEC 3 – Potential impacts to the soil and ground water due to the use of the hydraulic elevator at the school;
- APEC 4 – Potential impacts to soil and ground water due to the historical use of the Phase II Property since 1860 and for the use of coal fired boilers; and,
- APEC 5 – Potential impacts to ground water from off-site sources such as the gasoline service center on Yonge Street.

Based on a review of the Phase I ESA Report by the Qualified Person (QP) in conjunction with a Site inspection, it was considered that APEC 3 was not valid as the hydraulic oil powered freight elevator was located in a contained structure such that no pathway mechanism existed by which leaked oils could enter the underlying soils or ground water. Consequently, this APEC was removed from further assessment.

However, the QP determined that the following additional APECs should be added in relation to potential impacts to soil and ground water:

- APEC 6 – Potential impacts to soil and ground water resulting from the application of de-icing salts; and,

- APEC 7– Potential impact to soil and ground water as a result of fill of unknown quality and origin.

The Limited Phase II ESA investigation comprised the advancement of a total of fourteen (14) boreholes of which thirteen (13) were drilled to maximum depths of about 6.0 m and 8.0 m below ground surface (bgs). A single borehole was abandoned due to the presences of a void crawl-space. The six (6) deepest boreholes were converted to monitoring wells to intercept the ground water in the grey till. The remaining seven (7) boreholes were drilled to a maximum depth of about 3.0 m for the purpose of collecting soil samples. Selected samples of soil and ground water obtained during the course of the Limited Phase II ESA were submitted for chemical laboratory analysis.

The chemical analysis results were compared to the values stated in the MOECC document titled “Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act”. The applicable values were taken from “Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition” for coarse-grained soils in a Residential, Parkland or Institutional land-use setting (Table 3 RPI Standards).

The results of the Limited Phase II ESA investigation indicate that PCA’s at the Site has impacted the soil and ground water at the following APEC locations:

- APEC 1 - Soil impact due to past use of UST for heating purposes (Table 3 exceedence for PHC fraction F3 in a soil sample obtained from MW107 at 2.13 m to 2.29 m bgs); and,
- APEC 6 - Soil and ground water impacts as a result of the on-site use of de-icing salts (Table 3 exceedences for Electrical Conductivity and Sodium Absorption Ratio in soil samples from BH106 at 0.53 m to 0.76 m bgs and MW111 at 1.98 m to 2.29 m bgs, and Chloride in a ground water sample obtained from MW105).

It should be noted that the majority of soil and ground water samples collected from the investigated locations across the centre and western half of the Site (excluding the above noted exceedences), meet MOECC Table 1 Standards for the parameters tested.

The Toxicity Characteristic Leaching Procedure (TCLP) conducted on a composite sample of the soils encountered beneath the Site, indicated that the soil is a non-hazardous waste bulk solid, thus any soil for off-site disposal can be disposed to non-hazardous waste landfills.

Since the Site will not require a Record of Site Condition (RSC) for re-development, the PHC soil impacts can be removed at the time of redevelopment.

With regards to the de-icing salt related impacts to the soil and ground water, it is anticipated that the Site will continue to function as an active school facility that will require the application of de-icing salts. In this regard, it is recommended that a Modified Generic Risk Assessment (MGRA) is completed to further address the related on-site and potential off-site impacts detected in the soil and ground water beneath the Site. Alternatively, consideration may be given to the application of alternative de-icing products in place of the de-icing salts, in conjunction with implementation of a ground water quality monitoring program to assess a reducing trend in Chloride concentrations.

Following completion of the above work and at such time as the monitoring wells are deemed to be no longer required, they will require decommissioning in accordance to Ontario Regulation 903.

We trust you will find this report to be complete within our terms of reference. Should you have any questions regarding the information contained in the report, or require further assistance please contact the Soil Probe office.

Respectfully Submitted,

SOIL PROBE LTD.



John G. Lametti, P.Eng., QP



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DRAWINGS

Drawing 1: Site Location Plan

Drawing 2: Borehole and Monitoring Well Location Plan

APPENDICES

Appendix A: Borehole and Monitoring Well Logs

Appendix B: Laboratory Certificates of Analysis

Appendix C: Qualifications of Environmental Assessors

October 7, 2015**REPORT NO.: 2015-27692****FILE NO.: EV-1046****2.0 INTRODUCTION**

Soil Probe Ltd. (Soil Probe) is pleased to present a Limited Phase II Environmental Site Assessment (ESA) report as requested by Mr. Michael Tenenbaum of the Toronto Lands Corporation (the Client), a subsidiary of the Toronto District School Board (TDSB), for the Davisville Junior Public School/Metro School for the Deaf/Spectrum Alternative Senior School located at 43 Millwood Road, Toronto, Ontario (the Site and Phase II Property). The general location of the Site is presented in **Drawing No. 1.**

The purpose of this Limited Phase II ESA was to further evaluate the significance of the Areas of Potential Environmental Concern (APECs) described in the Soil Probe Phase I ESA (Report No. 2015-27482, dated June 19, 2015) (Phase I ESA Report), and to assist the Client in establishing a preliminary budget for any remediation works that maybe required to facilitate the redevelopment of the Site, which would include the following:

- Demolition of the existing school building;
- Sale of a portion of the Site for residential development purposes; and,
- Retention of a portion of the Phase II Property to accommodate a new school and play scape area.

The Limited Phase II ESA was completed in accordance with the Scope of Work detailed in Soil Probe's Proposal No. 2015-2357, dated July 8, 2015 and subsequently authorized by the Client on July 10, 2015. With the authorization of the Client, the original scope of work was modified during the fieldwork to permit three (3) of the boreholes to be deepened in order to intercept the ground water.

The scope of the Phase II ESA was limited as full unhindered access for the drilling of boreholes within the school building(s) was not permitted.

The Client is aware that the Limited Phase II ESA was carried out in accordance with the Canadian Standards Association (CSA) Z769-00 (Reaffirmed 2008). The report relies on the Ontario Regulation 153/04, as amended (O.Reg 153/04), as a guideline, however, it is understood that the report will not be completely in accordance with O.Reg. 153/04 and therefore cannot be submitted for a Record of Site Condition (RSC) with the Ministry of the Environment and Climate Change (MOECC).

The findings in this report may be used by the Client for these purposes subject to the *Statement of*

Limitations which forms an integral part of this document. No other third parties are entitled to rely upon this report without the express written consent of Soil Probe. Any use which a third party makes of this report is the sole responsibility of the said third party; Soil Probe accepts no responsibility for any damages.

2.1 SITE DESCRIPTION

The Phase II Property is located on 43 Millwood Road on a rectangular shaped lot, approximately 1.6 hectares (4.0 acres) in size. The main Site entrance is on Millwood Road whilst rear access can be achieved from Davisville Road. The Site is generally flat and slopes down to the south and southeast at a gradient of about 2%.

A single building occupies the entire northern half of the Phase II Property; the southern half comprises a playscape area consisting of a grassed playing field and an asphalt-surfaced play area. The main school parking area is located in the southeastern corner of the property and is asphalt covered.

The Site is generally surrounded by low-rise residential homes with residential high-rise condominiums and a commercial development situated to the south and west.

2.2 PHASE II PROPERTY OWNERSHIP

The Phase II Property ownership is presented in **Table A**, below.

Table A - Phase II Property Owner Contact Information

Company	Authority	Contact
Toronto District School Board (TDSB)	Phase II Property Owner	Mr. Salvatore Beltrano Manager, Capital Project Management 15 Oakburn Crescent Toronto, Ontario M2N 2T5 Phone 416-395-4187 Email: Salvatore.beltrano@tdsb.on.ca

2.3 PAST, CURRENT AND PROPOSED FUTURE USES

The Phase II Property is currently used as a school, and has been operated as a school since in about 1860, prior to which the land was used for agricultural purposes.

It is understood that the Client proposes to construct new school building(s) at the Site and sell a portion of the land for high-rise residential development.

2.4 APPLICABLE SITE CONDITION STANDARD

The objective of this Limited Phase II ESA is to further evaluate the significance of the Areas of Potential Environmental Concern (APECs) described in the Phase I ESA Report in the context of the proposed redevelopment of the Site, which will include demolition of the existing school, sale of a portion of the Site for residential development, and retention of the remainder of the Phase II Property to accommodate a new school building and play scape area.

The details of the Site are presented in **Table B – Phase II Property Details**.

Table B - Phase II Property Details

PARAMETER	DETAILS
Current and Proposed Land Use	School buildings and outdoor play scape areas. A portion to be sold for high-rise residential redevelopment.
Potable or Non-Potable Ground Water	The Municipality of Toronto classifies the ground water in the City of Toronto limits as non-potable.
Proximity to Surface Water	The nearest surface water body is Davisville Reach located 400 m east of the Site.
Direction of Ground Water Flow	The direction of ground water flow was expected to be towards the southeast.
Areas of Natural Significance or Sensitive Area	The Phase II Property was not considered to be within an area of natural significance or an environmentally sensitive area.
Depth to Bedrock	The bedrock surface was estimated at 59 m below existing grade.
Bedrock Details	The bedrock consists of sedimentary strata of the Ordovician Period, and typically comprises of grey and black shale, interbedded dolomitic siltstone, and minor limestone of the Georgian Bay Formation.

The purpose of this Phase II ESA is to determine the soil and ground water condition for redevelopment as residential and institutional, the applicable Site Condition Standard is considered to be O.Reg. 153/04 “Table 3: Full Depth Background Site Condition Standards in a non-potable Ground water Condition” for Residential/ Parkland/Institutional (RPI) property uses (Table 3 RPI Standards), as per the MOECC document titled “Soil, Ground Water and Sediment

Standards for Use under Part XV.1 of the Environmental Protection Act”, dated April 15, 2011, as amended. However, reference has also been made to the following Standards included in the above mentioned document:

- “Table 1: Full Depth Background Site Condition Standards” for Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) property uses (Table 1 RPIICC Standards); and,
- “Table 2: Full Depth Generic Site condition Standards in a Potable Ground Water Condition” for Residential/Parkland/Institutional (RPI) property uses (Table 2 RPI Standards).

3.0 BACKGROUND INFORMATION

3.1 PHYSICAL SETTING

A summary of the physical setting of the Phase II Property is provided in **Table C - Physical Setting Summary**, below.

Table C - Physical Setting Summary

Parameters	Information
Location	Toronto
Surficial Geology	Halton Till
Soil	Clayey silt till and sandy silts
Physiography	Beveled till plains
Bedrock Geology	Georgian Bay Formation - shale, limestone, dolostone, siltstone
Depth to Bedrock	Based on water well records obtained from the MOECC website, and information available from the Ministry of Northern Development and Mines, depth to bedrock is approximately 59 m below ground surface.
Topography	Sloping south and southeast; between 160 m to 150 m above sea level.
Radon	The Phase II Property is not situated in the four (4) known radon gas areas noted in the Ontario Geological Survey, Soil Gas Study of Southern Ontario, 1993 Open File Report 5847.
Hydrology	The closest body of water is Davisville Reach, approximately 400 m east of the Phase II Property.
Hydrogeology	Based on historical well records, the historic static ground water table is anticipated to lie at a depth of approximately 0.4 m to 1.0 m below the ground surface. However, the school boiler room in the basement of the school is approximately 6.0 m below grade and under

Parameters	Information
	<p>continuous dewatering. Similarly, dewatering in the basement levels of the high rise buildings to the west and south is anticipated to have resulted in a deepening of the ground water table to at least 6 m bgs beneath parts of the Site.</p> <p>The general ground water flow direction is expected to be towards the southeast, towards Davisville Reach, but locally, the flow direction may be influenced by dewatering activities.</p>

3.2 PAST INVESTIGATIONS

An Asbestos Management Plan report was provided to Soil Probe for review. The Asbestos Building Materials Reassessment Survey was completed by ECOH Management Inc. in October 2013. Several follow-up reports have been completed by Pinchin Ltd., and Safetech Environmental Ltd. Some remedial activities were undertaken to remove asbestos containing materials from within the school building.

Soil Probe has previously completed a Phase I ESA Report for the Site, entitled “Phase I Environmental Site Assessment, 43 Millwood Road, Toronto, Ontario”, Report No. 2015-27482, dated June 19, 2015.

The Phase I ESA established that the Site has been established for institutional purposes since 1860, apparently in conjunction with the predominantly residential development of the surrounding areas.

Based on the information obtained during the Phase I ESA records review, Site reconnaissance and interview process, the following Areas of Potential Environmental Concern (APEC) were identified as a result of Potentially Contaminating Activities (PCAs) that may have impacted the Site:

- APEC 1 – Potential soil and ground water impacts due to the past use of an Underground Storage Tank (UST) at the Phase II Property for heating purposes;
- APEC 2 – Potential soil and ground water impacts due to the past use of a garbage incinerator at the school;
- APEC 3 – Potential impacts to soil and ground water due to the use of the hydraulic oil powered freight elevator at the school;
- APEC 4 – Potential impacts to soil and ground water due to the historical use of coal and oil fired boilers at the Site since 1860;

- APEC 5 – Potential impacts to ground water from off-site sources such as the gasoline service station on Yonge Street.

In addition to the above, the following additional APECs were determined by the Qualified Person in relation to potential impacts to soil and ground water:

- APEC 6 – Potential impacts to soil and ground water from the use of de-icing salts; and,
- APEC 7 – Potential impacts to soil for fill of an unknown quality.

At the time of preparing this report, no other environmental or geotechnical reports pertaining to the Phase II Property were available for review.

Following a detailed review of the Phase I ESA in conjunction with a Site inspection, the QP determined that a leakage in the hydraulic oiled powered freight elevator system would be contained within the boiler room basement area of the school. Any leakage would be directed towards the sump pumps located in the boiler room and removed from the Site. As a result, the PCA associated with the freight elevator system is not considered to represent a valid APEC; APEC 3 has therefore been removed from further consideration.

4.0 SCOPE OF INVESTIGATION

The scope of investigation pertaining to the Limited Phase II ESA comprised the following primary activities:

- Site visit by a Soil Probe representative to lay out the locations of fourteen (14) boreholes, each positioned to target the previously identified APECs;
- Clearing borehole locations for buried utilities to avoid disruption of services during the proposed subsurface investigation, using Ontario One Call and private utility locates;
- Drilling and sampling of fourteen (14) boreholes according the following strategy:
 - Six (6) boreholes located in external areas, spread across the Site, each advanced to the contractual depth of 6.0 m bgs or refusal (whichever comes first);
 - Eight (8) boreholes advanced to the contractual depth of 3.0 m bgs or refusal (whichever comes first), of which three (3) are to be positioned inside the existing school building;
 - Completion of the (6) deeper boreholes with ground water monitoring wells designed to intercept the shallow ground water table.
- Geodetic elevation survey of all externally positioned boreholes drilled at the Site;
- Subsequent monitoring of the ground water elevations and determination of the presence of

- any Non-Aqueous Phase Liquid (NAPL) free product, using an interface meter;
- Development of the ground water monitoring wells to promote fresh water ingress into the wells, with subsequent multi-parameter water quality measurements prior to ground water sample collection;
- Submission of selected soil and ground water samples to an accredited analytical laboratory for chemical testing; and,
- Review and comparison of the chemical analytical results with reference to Table 3 (RPI) Standards.

4.1 SAMPLING AND ANALYSIS PLAN

Based on the QP’s review of the Phase I ESA Report, and taking account of the modified APECs associated with the Site, a Sampling and Analysis Plan was prepared, as presented in **Table D**.

Table D - Phase II ESA Preliminary Design

APEC	Exploratory Location (s)	Sampling Frequency	Parameters	Rationale
APEC 1 – Area adjoining Boiler Room South Wall of School	MW107	1 x S 1 x GW	PAH, PCB, M&I, PHC, VOC	Potential soil and ground water impact
APEC 2 & APEC 7 – entire Site	All Locations	14 x S	M&I	Air Emissions from incinerator deposition on the Site under wet (atmospheric) and dry (atmospheric) conditions. Fill of unknown quality potential impact to soil and ground water.
		4 x S	PAH	
		8 x S	PHC	
		6 x S	VOC	
		2 x S	PCBs	
		6 x GW	PHC, VOC, M&I	
		4 x GW	PAH	
APEC 4 – Southwest Area of the Property	BH102, BH108 and MW103	3 x S	M&I	Potential Impact to soil and ground water historical use of the property since 1860 and the use of coal fired boilers.
		1 x S	PAH	
		1 x S	PHC, VOC	
		1 x GW	PHC, VOC, PAH, M&I	
APEC-5 Western Property	MW101 and MW109	2 x S	PHC, VOC, M&I	Detection of Gasoline service stations off-site and up-gradient
		1 x S	PAH, PCB,	
		2 x GW	M&I, PHC, VOC	

APEC	Exploratory Location (s)	Sampling Frequency	Parameters	Rationale
Boundary		1 x GW	PAH, PCB	hydraulically from the Site.
APEC-6	BH104, BH106, MW105 and MW111	4 x S	M&I	Use of de-icing salts in the entrance ways to the parking areas.
		1 x GW		
		1 x S	PAH	
		3 x S 1 x GW	PHC, VOC	

- S - Soil Media
- GW - Ground Water Media
- PHC - Petroleum Hydrocarbon fractions F1 to F4
- PAH - Polycyclic Aromatic Hydrocarbons
- M&I - Metals and Inorganics
- PCB - Polychlorinated Biphenyls
- VOC - Volatile Organic Compounds

Note: The above table does not account for duplicate or trip blank samples taken for QA/QC purposes.

The borehole and monitoring well locations are shown on **Drawing No. 2**.

4.2 MEDIA INVESTIGATED

Soil and ground water quality were investigated during the Limited Phase II ESA work. The investigation of sediment was not applicable due to the absence of surface water bodies on the Site.

4.3 PHASE ONE CONCEPTUAL SITE MODEL

A Phase One ESA Report (in accordance with O. Reg. 153/04) has not been conducted for the Site and as such, a Phase One Conceptual Site Model is unavailable for the Phase II ESA Property.

4.4 SITE INVESTIGATION METHODOLOGY

Soil Probe developed Standard Operating Procedures (SOPs) and field forms that follow Ontario Regulation 153/04 (as amended) to complete the Limited Phase II ESA. The following list of SOPs and forms were used:

- Phase II ESA Field Protocols;

- Job Safety Analysis (JSA) field form;
- Soil Probe Ltd. Health and Safety Manual;
- Soil Sampling for VOCs using Methanol Vials;
- Soil Vapour Headspace Measurement;
- Soil Probe Ltd. Logging forms;
- Ground Water Purging and Sampling Procedures; and,
- Sample Packing and Transportation.

The ground water purging and sampling procedures were modified to accommodate the slow well recoveries. The wells were purged dry with a dedicated bailer and allowed to recover. Once recovered, the dedicated bailers were used to collect the ground water samples.

The Limited Phase II ESA included obtaining public and private utility locates, retaining a certified contractor for the drilling of the boreholes and installation of the wells, supervision and documentation of field activities, soil characterization and sample collection for analysis.

4.4.1 Borehole Drilling

Prior to subsurface activities on the Site, Soil Probe contacted Ontario One Call for the public utility locates. A private utility locator was retained to verify all borehole positions.

Fourteen (14) boreholes were drilled by Sonic Drilling of Burlington, Ontario on August 11, 12 and 19, 2015. Eleven (11) of the boreholes were located in external areas of the Site and drilled to depths ranging between about 3.0 m to 8.0 m bgs using a track mounted CME 55 power drill rig, equipped with rotary solid-stem augers. The remaining three (3) boreholes were positioned within the basement level of the existing school building and drilled to a maximum depth of 3.0 m bgs using a Pionjar hand held drilling device to advance the split-spoon sampler. One (1) of the internal boreholes was abandoned after a voided crawl-space was encountered beneath the basement floor slab.

4.4.2 Soil Sampling

Soil samples were collected and handled in accordance with generally accepted sampling procedures used by the environmental consulting industry. For guidance these procedures rely on the requirements of O. Reg. 153/04 as amended.

Soil samples for the Limited Phase II ESA were collected at frequent depth intervals

utilizing a 1.2 m long, 50 mm diameter split-spoon sampler. Quality control methods were used to minimize cross contamination, such as cleaning of the split spoon samplers and using dedicated disposable items/equipment for each discrete sample. New disposable gloves were used during each sampling event to remove the soil from the sampling device and transfer the soil samples into the sample containers.

The soil samples were examined in the field for lithology as well as physical evidence of impacts (i.e. debris, staining, and odours). The samples were kept out of direct sunlight during the field storage, in accordance with the MOECC sampling protocols.

No sediment sampling was performed as there were no surface bodies of water at the Site during the Limited Phase II ESA investigation.

4.4.3 Soil Screening Measurements

Soil samples collected were screened for vapours using the RKI Eagle 2 gas portable vapour monitor, which includes a Photo-Ionization Detector (PID) and was calibrated by Pine Environmental Services prior to use. The RKI Eagle 2 includes a PID sensor for detecting high and low parts per million (ppm) levels (0-50 and 0-2,000) of VOC gases with a maximum accuracy variance of $\pm 5\%$. The VOC measurements were taken by collecting soil samples into dedicated sampling bags and allowing the sample to reach room temperature. The sampling probe of the RKI Eagle 2 was then placed into the bag while best maintaining a seal. The measurements taken represent the highest value found within the first 30 seconds of the field screening.

Soil was characterized based on a qualitative examination to determine moisture content, colour, odour, discolouration, soil characteristics and texture.

4.4.4 Ground Water Monitoring Well Installation

Six (6) boreholes (BH101, BH103, BH105, BH107, BH109, BH111) were fitted with ground water monitoring wells by Sonic Soil Inc. The monitoring wells included the following materials:

- 50 mm (2 inch) diameter Schedule 40 Poly Vinyl Chloride (PVC) risers;
- 50 mm (2 inch) diameter Schedule 40 No. 10-slot PVC screen with a screen length of 3.0 m;
- Sand pack to approximately 0.3 m above the top of the screen;
- Bentonite seal above the sand pack; and,
- Flush mount well casings.

The PVC pipes and screens were wrapped in plastic that was removed just prior to installation to minimize the potential for cross-contamination. The base of the monitoring well was covered with a PVC cap to prevent the influx of sediment from entering the end of the pipe. Clean silica sand supplied in bags, was placed in the annular space between the pipe wall and the borehole sidewall to filter out sediment from entering the well during well development. A bentonite seal was added above the sand pack and was extended to the surface to prevent surface intrusion into the well. The well was capped at surface and flush mount casing was placed over the standpipe and cemented in place.

No ground water was collected during the drilling process.

4.4.5 Ground Water Monitoring Well Development and Sampling

Prior to well development, a Heron H. Oil/Water Interface Meter (Interface Meter) was used to measure the depth to the ground water table and check for any free phase liquids at the ground water table surface and at the bottom of the well.

The ground water monitoring wells were subsequently developed using a hand-bailing device to remove standing water in the monitoring well and from around the filter pack, and allow fresh formation water into the monitoring well. The monitoring wells were purged until the wells were dry.

Due to the slow recovery of the monitoring wells, only one well-volume was removed prior to sampling.

After purging, the ground water was transferred directly to the laboratory supplied jars and placed into an ice-filled cooler for field storage and transportation to the laboratory.

4.4.6 Residue Management Procedures

Most soil samples produced by the drilling process were collected by Soil Probe for characterization and submission for analytical purposes. Excess cuttings and ground water waste generated from the field activities were placed in drums and kept at the Site, pending TCLP analyses performed on a composite soil sample. The excess soil cuttings and ground water contained in the drums were subsequently removed and disposed off-site as a non-hazardous waste bulk solid.

4.4.7 Elevation Surveying

An elevation survey was performed by Soil Probe with reference to a known geodetic benchmark of 155.53 m ASL comprising the elevation of a catch-basin cover positioned in Millwood Road, towards the west end of the Phase II Property (see **Drawing No. 2**). The elevation was obtained from the Plan of Survey with Topography Drawing prepared by Lloyd and Purcell Ltd (Ontario Land Surveyors), City of Toronto Registered Plan 284, dated May 11, 2015. The ground surface elevations for the boreholes and monitoring wells are shown on the Borehole and Monitoring Well Logs presented in **Appendix A**.

4.4.8 Chemical Analysis

The following scope of chemical laboratory analysis was performed on samples of the soil and ground water collected during the Limited Phase II ESA investigation:

Soil Analysis

- Thirteen (13) samples for Metals and inorganics (M&I), including one (1) duplicate;
- Eight (8) samples for Polycyclic Aromatic Hydrocarbons (PAHs), including one (1) duplicate;
- Eight (8) samples for Petroleum Hydrocarbon fractions F1 to F4 (PHCs), including one (1) duplicate;
- Two (2) samples for Polychlorinated Biphenyls (PCBs);
- Eight (8) samples for Volatile Organic Compounds (VOCs), including one (1) duplicate; and,
- One (1) composite TCLP soil sample for M&I, VOCs, PAH and PCB.

Ground Water Analysis

- Four (4) samples for PHC fractions F1 to F4, including one (1) duplicate;
- Four (4) samples for VOCs, including one (1) duplicate; and,
- Three (3) samples for M&I;

Soil and ground water samples were submitted to AGAT Laboratories (AGAT), an analytical laboratory accredited by the Canadian Association for Laboratory Accreditation (CALA) and the International Standard ISO/IEC 17025 certified. The analysis was performed in compliance with the MOECC Laboratory Services Branch, "Protocol for Analytical Methods Used in the Assessment of Properties under Past XV.1 of the Environmental Protection Act", as amended.

Samples submitted to the laboratory were to represent the “worst-case” samples based on field screening measurements, visual and olfactory observations.

All samples submitted for PHC fractions F2 to F4 and PAHs were stored in glass jars with Teflon lined lids provided by AGAT. To increase holding times from 48 hours to 14 days, soil samples submitted for VOCs and PHC fraction F1 were collected with new disposal Teracore® Samplers provided by AGAT and placed in vials containing methanol. Samples submitted for metals and inorganics (M&I) were stored in 250 mL glass jars. All samples requiring laboratory chemical analysis were placed in an ice-filled cooler and transported to the laboratory.

4.4.9 Quality Assurance and Quality Control Measures

Soil samples were collected using dedicated 250 mL jars, syringes and methanol vials provided by AGAT. Soil samples that required VOC analysis involved placing approximately 5 g of soil into dedicated methanol-filled vials. This method was used to ensure no loss of VOCs during transportation.

Soil samples were collected using dedicated nitrile gloves that were disposed after each sample, to avoid cross-contamination. Sampling equipment used was cleaned with Alconox Powdered Precision Cleaner, as it has biodegradable, interfering-residue free and corrosion inhibited properties.

The following packaging and transportation procedures were followed:

- Review of proposal and amendments (written and verbal) to verify the parameters for analysis;
- Packing properly labelled samples with ice to maintain temperatures below 10°C for the duration of the trip from the Site to the laboratory; and,
- A copy of the Chain-of-Custody was archived by Soil Probe.

Duplicate and Trip Blank samples for soil and ground water, were collected and analysed for quality assurance and quality control (QA/QC) purposes, in accordance with the requirements of O.Reg. 153/04, as amended. A total of four (4) duplicate soil samples and one (1) duplicate ground water sample (one (1) duplicate sample for every ten (10) sample parameters analysed) were taken and submitted for analysis. A total of three (3) trip blank samples were collected and analysed for VOCs; two (2) during the soil sampling program and one (1) for the single day of ground water sampling.

4.5 IMPEDIMENTS

Borehole BH114 could not be completed inside the building as a subfloor was encountered beneath the classroom ground floor slab.

During the drilling of the deeper boreholes, it was noted that the ground water was not encountered within the original contractual drill-depth (6 m). Accordingly, with the authorization of the Client, three (3) boreholes (MW101, MW103 and MW107) were advanced to a revised drill-depth of about 8 m, in an effort to intercept the ground water table.

Following the monitoring well development, MW101, MW103, MW107 failed to recover sufficiently to permit water sampling. Due to the slow recovery of the wells, only one (1) well volume of water was removed from each well prior to sampling. Typically a minimum of three (3) well volumes of water should be removed prior to sampling.

4.6 DEVIATIONS FROM SAMPLING AND ANALYSIS PLAN

Samples of soil were not obtained from BH114, as drilling of this borehole was aborted, resulting in a reduction of analyses of M&I and PHC parameters by one (1) sample. As a result, it was considered appropriate to increase the quantity of soil testing for other parameters as follows:

- PAH testing was increased from four (4) samples to seven (7) samples; and,
- VOC testing was increased by one (1) sample to seven (7) samples.

Samples of ground water could not be obtained from MW101, MW103, MW107 as the wells remained dry after drilling, therefore ground water analyses for these locations could not be performed. In addition, the slow recharge rate of the monitoring wells that did exhibit recovery, limited the volume of ground water collected from the wells. Accordingly, the full scope of ground water testing could not be achieved; priority was placed on M&I, PHC and VOC analyses. For PAH and PCB parameters, it was considered that the results of soil analyses would provide sufficient indicators as to the potential for ground water impact at these locations.

5.0 SUBSURFACE CONDITIONS

5.1 SOIL CONDITIONS

5.1.1 Generalized Stratigraphy

Detailed descriptions of the subsurface conditions at the investigated locations are presented on the borehole logs in **Appendix A**. The following is a summary of the general stratigraphy revealed by the boreholes at the Site:

- The topsoil layer ranged in thickness from 0.1 to 0.45 m
- Concrete slab varied in thickness from 115 mm to 140 mm;
- The pavement structure ranged in thickness between about 0.2m to 0.75 m;
- Beneath the surface cover (where present), fill materials were encountered in all locations and found to consist of sandy silt, trace clay and trace gravel to depths ranging between about 0.8 m and 3.7 m bgs. At monitoring well MW107, the fill material included brown sand to gravel, crushed brick and stones;
- Beneath the fill, native soil was encountered and found to comprise brown sandy silt till with some clay to silty clay till, becoming greyer with depth. The silt till and silty clay till was consistent to the maximum depth of investigation (8.0 m bgs).

The majority of soil samples obtained from the Site did not exhibit any visual or odourous signs of hydrocarbon impact, though some staining was observed on the surfaces of lumps of soil obtained from monitoring well MW107.

5.1.2 Soil Texture

Under Ontario Regulation 153/04 (as amended), “coarse textured soil” is soil that contains more than 50 percent by mass of particles that are 75 micrometers (μm) or larger in mean diameter. According to O.Reg. 153/04 (as amended), if one-third ($\frac{1}{3}$) of the soils at the Phase II Property are coarse grained, then the more stringent coarse-textured soil standards apply to the Site; otherwise, the fine-medium grained soil standards are applicable.

The soil found at this Site was considered mostly sandy silt, but has been classified as a coarse textured soil in the context of the Applicable Site Condition Standard.

5.2 GROUND WATER CONDITIONS

5.2.1 Elevations and Flow Direction

Subsequent to the monitoring well installation, two (2) visits to the Phase II Property were made to monitor the ground water level and develop the wells. Well development was undertaken on August 19, 2015 and consisted of the removal of the full volume of water from each well until dry conditions were encountered. Following well development, the stabilized ground water level in three (3) of the monitoring wells (MW105, MW109, and MW111), were recorded. However, monitoring wells MW101, MW103 and MW107 failed to recover sufficiently either for inclusion in triangulation or to permit collection of an appropriate volume of water for analyses. In this regard, triangulation of the ground water flow direction was performed on the three (3) monitoring wells that did recover. The triangulated ground water flow direction measured was towards the southeast and consistent with the Phase I ESA Report findings, as shown in **Drawing No. 2**. The ground water level measurements are summarized in **Table E**.

Table E – Ground Water Level Measurements

Monitoring Well ID	Monitoring Date	Ground Surface Elevation (m)	Depth Of Water (m bgs)	Ground Water Elevation (m)	Observations (LNAPL/ DNAPL)
MW101	August 19, 2015	156.0	Dry	Dry	
	August 31, 2015		Dry	Dry	
MW103	August 19, 2015	155.7	Dry	Dry	
	August 31, 2015		Dry	Dry	
MW105	August 19, 2015	155.6	Dry	Dry	
	August 31, 2015		2.48	153.1	None detected
MW107	August 19, 2015	156.0	Dry	Dry	
	August 31, 2015		7.68	148.3	None detected
MW109	August 19, 2015	155.9	Dry	Dry	
	August 31, 2015		2.46	153.4	None detected
MW111	August 19, 2015	156.1	Dry	Dry	
	August 31, 2015		2.88	153.2	None detected

No sheen or evidence of Light Non-Aqueous Phase Liquid (LNAPL) and Dense Non-Aqueous Phase Liquid (DNAPL) as free-product were observed in any of the monitoring wells. No hydrocarbon odours were detected in any of the monitoring wells.

5.2.2 Hydraulic Gradients

The maximum horizontal hydraulic ground water gradient is normally calculated in the direction of the ground water flow. The inferred ground water flow direction is towards the southeast, thus the hydraulic gradient based on the ground water elevation data taken on August 31, 2015, from Monitoring Wells MW109 and MW105 (as shown in **Table E**), is approximately 0.0014 m/m

Ground water elevation data for Monitoring Wells MW109 and MW105 were used to calculate the vertical hydraulic gradient. An upward vertical gradient of -0.016 m/m was calculated for MW109 to MW105.

6.0 CHEMICAL ANALYSIS

6.1 SAMPLE SCREENING AND SELECTION

6.1.1 Soil Screening

Field screening of the soil involved the use of a portable RKI Eagle 2 monitor, to measure the VOCs in parts per million (ppm) calibrated to Hexane and Isobutylene. The RKI Eagle 2 monitor measurements were performed in conjunction with visual and olfactory observations. This combination of field screening tools was used to determine the “worst-case” samples at the Site. The measurements are presented in **Appendix A – Borehole and Monitoring Well Logs**.

6.1.2 Sample Selection

The selection of soil samples for laboratory analysis was based on the Limited Phase II ESA Preliminary Design (Table D, Section 4.1, of this report), modified where necessary, using the “worst-case” samples as defined by the visual, olfactory and combustible vapour screening measurements. In addition, samples were selected to provide representative Site coverage. A summary of the soil and ground water analysis plan and head space measurements is presented in **Table F**.

Table F – Summary of Soil and Ground water Screening and Chemical Analysis Sample Selection

BH/MW ID	BH Sample No.	Chemical Sample ID	Sample Depth (m bgs)	Media	Screening Observations		Parameters for Analysis
					Visual/Olfactory	Vapour	
MW101	S3	EV-1046081315-MW101	0.76-1.52	Soil	No staining or odours	0ppm	PHC/VOC
	S5	EV-1046081315-MW101	2.59-3.05	Soil	No staining or odours	0 ppm	PAH
	S9	EV-1046081315-MW101	5.33-6.86	Soil	No staining or odours	0 ppm	M&I
	S10	EV-1046081315-MW101	6.86-7.92	Soil	No staining or odours	0 ppm	PCB
BH102	S1	EV-1046081315-BH102	0.46-0.76	Soil	No staining or odours	0 ppm	PAH
	S4	EV-1046081315-BH102	2.29-2.44	Soil	No staining or odours	0 ppm	M&I
MW103	S5	EV-1046081315-MW103	3.05-3.51	Soil	No staining or odours	0 ppm	M&I
	S5	EV-1046081315-Duplicate	3.05-3.51	Soil	No staining or odours	0 ppm	M&I
	S10	EV-1046081315-MW103	6.86-7.92	Soil	No staining or odours	0 ppm	PHC / VOC
BH104	S2	EV-1046081315-BH104	0.76-1.52	Soil	No staining or odours	0 ppm	PAH
	S3	EV-1046081315-BH104	1.78-2.29	Soil	No staining or odours	0 ppm	M&I
MW105	S3	EV-1046081315-MW105	0.76-1.52	Soil	No staining or odours	0 ppm	PHC/VOC
	S10	EV-1046081315-MW105	5.64-6.10	Soil	No staining or odours	0 ppm	M&I
BH106	S2	EV-1046081315-BH106	0.53-0.76	Soil	No staining or odours	0 ppm	M&I
	S4	EV-1046081315-BH106	1.52-2.29	Soil	No staining or odours	0 ppm	PHC / VOC
MW107	S1	EV-1046081315-MW107	0.46-0.76	Soil	Some staining, no odours	0 ppm	PAH/M&I
	S4	EV-1046081315-MW107	2.13-2.29	Soil	Some staining, no odours	0 ppm	PHC / VOC PCB

BH/MW ID	BH Sample No.	Chemical Sample ID	Sample Depth (m bgs)	Media	Screening Observations		Parameters for Analysis
					Visual/Olfactory	Vapour	
	S4	EV1046081315-Duplicate	2.13-2.29	Soil	Some staining, no odours	0 ppm	VOC/PHC
BH 108	S3	EV-1046051315-BH108	0.97-1.27	Soil	No staining or odours	0 ppm	PAH
	S3	EV-1046081315-Duplicate	0.97-1.27	Soil	No staining or odours	0 ppm	PAH
	S4	EV-1046081315-BH108	1.27-2.06	Soil	No staining or odours	0 ppm	M&I
MW109	S5	EV-1046081915-BH109	2.29-2.74	Soil	No staining or odours	0 ppm	PHC/VOC
BH 110	S5	EV-1046081315-BH110	1.63-2.13	Soil	No staining or odours	0 ppm	M&I
MW111	S4	EV-1046051315-MW111	1.07-1.52	Soil	No staining or odours	0 ppm	PHC/VOC
	S6	EV-1046081315-MW111	1.98-2.29	Soil	No staining or odours	0 ppm	M&I
BH 112	S5	EV-1046081315-BH112	1.37-1.68	Soil	No staining or odours	0 ppm	PAH
	S6/S7	EV-104681315-BH112	1.68-2.90	Soil	No staining or odours	0 ppm	M&I
BH113	S4	EV-104681315-BH113	1.35-2.16	Soil	No staining or odours	0 ppm	PAH
	S5	EV-104681315-BH113	2.16-2.84	Soil	No staining or odours	0 ppm	M&I
Composite from various boreholes	Various	EV-1046081315-TCLP	Various	Soil	Includes stained soil, no odour	0 ppm	TCLP for M&I, VOC, PAH and PCBs
MW105	NA	EV-1046-090415-MW105	2.48	Ground Water	No sheen or odour	0 ppm	PHC/VOC M&I
MW109	NA	EV-1046-090415-MW109	2.46	Ground Water	No sheen or odour	0 ppm	PHC/VOC M&I
	NA	EV-1046-090415-Duplicate					PHC/VOC
MW111	NA	EV-1046-090415-MW111	2.88	Ground Water	No sheen or odour	0 ppm	PHC/VOC M&I

bgs - below ground surface

- PHC - Petroleum Hydrocarbon fractions F1 to F4
- PAH - Polycyclic Aromatic Hydrocarbons
- M&I - Metals and Inorganics
- PCB - Polychlorinated Biphenyls
- VOC - Volatile Organic Compounds
- TCLP - Toxicity Characteristic Leaching Procedure
- NA - Not Applicable

In the absence of any significant screening measurements (visual, olfactory and headspace vapour measurements), the following rationale was applied to select samples for laboratory chemical analysis:

- PAHs are not very mobile in the natural environment, but can be present in soil due to man-made chemicals such as creosote and asphalt tars or can be formed naturally by the breakdown of plant and animal matter. Therefore PAH analysis was conducted on samples obtained from shallow depths (less than 2 m bgs).
- Samples assigned for PHC and VOC analysis were selected in soils near to or beneath the water table to intercept any ground water that may be impacted with these chemicals.

6.2 SOIL QUALITY

A total twenty-nine (29) soil samples, including three (3) duplicate samples, were submitted for the chemical analysis of soil. The soil was initially compared to the applicable Site Condition Standard (MOECC Table 3 Standards), but subsequently also compared to MOECC Table 1 and Table 2 Standards in order to ascertain the respective soil quality across different portions of the Site. The analysis indicates that not all of the soil concentrations measured met the requirements of the MOECC Table 3 RPI Standards for coarse-grained soils. A summary of the results is provided in **Table G**.

Table G - Summary of Soil Chemical Analysis Results

Borehole/ Monitoring Well ID	Sample ID	Sample Depth (m bgs)	Parameters Tested	Parameter Exceedeces		
				Table 1 (RPIIC)	Table 2 (RPI)	Table 3 (RPI)
MW101	EV-1046081315-MW101	0.76-1.52	PHC/VOC	None	None	None
	EV-1046081315-MW101	2.59-3.05	PAH	None	None	None
	EV-1046081315-MW101	5.33-6.86	M&I	None	None	None
	EV-1046081315-MW101	6.86-7.92	PCB	None	None	None

Borehole/ Monitoring Well ID	Sample ID	Sample Depth (m bgs)	Parameters Tested	Parameter Exceedeces		
				Table 1 (RPIICC)	Table 2 (RPI)	Table 3 (RPI)
BH102	EV-1046081315-BH102	0.46-0.76	PAH	None	None	None
	EV-1046081315-BH102	2.29-2.44	M&I	None	None	None
MW103	EV-1046081315-MW103	3.05-3.51	M&I	None	None	None
	EV-1046081315-Duplicate	3.05-3.51	M&I	None	None	None
	EV-1046081315-MW103	6.86-7.92	PHC/VOC	None	None	None
BH104	EV-1046081315-BH104	0.76-1.52	PAH	None	None	None
	EV-1046081315-BH104	1.78-2.29	M&I	EC/SAR	None	None
MW105	EV-1046081315-MW105	0.76-1.52	PHC/VOC	None	None	None
	EV-1046081315-MW105	5.64-6.10	M&I	None	None	None
BH106	EV-1046081315-BH106	0.53-0.76	M&I	EC/SAR	EC/SAR	EC/SAR
	EV-1046081315-BH106	1.52-2.29	PHC/VOC	None	None	None
MW107	EV-1046081315-MW107	0.46-0.76	PAH/M&I	None	None	None
	EV-1046081315-MW107	2.13-2.29	PHC/VOC/PCB	None	None	None
	EV-1046081315-Duplicate	2.13-2.29	VOC/PHC	PHC	PHC	PHC
BH108	EV-1046051315-BH108	0.97-1.27	PAH	None	None	None
	EV-1046081315-Duplicate	0.97-1.27	PAH	None	None	None
	EV-1046081315-BH108	1.27-2.06	M&I	SAR	None	None
MW109	EV-1046081315-BH109	2.29-2.74	PHC/VOC	None	None	None
BH110	EV-1046081315-BH110	1.63-2.13	M&I	None	None	None
MW111	EV-1046051315-MW111	1.07-1.52	PHC/VOC	None	None	None
	EV-1046081315-MW111	1.98-2.29	M&I	EC/SAR	SAR	SAR
BH112	EV-1046081315-BH112	1.37-1.68	PAH	None	None	None
	EV-1046081315-BH112	1.68-2.90	M&I	SAR	None	None
BH113	EV-1046081315-BH113	1.35-2.16	PAH	None	None	None
	EV-1046081315-BH113	2.16-2.84	M&I	None	None	None

- bgs - below ground surface
- PHC - Petroleum Hydrocarbon fractions F1 to F4
- PAH - Polycyclic Aromatic Hydrocarbons
- M&I - Metals and inorganics
- PCB - Polychlorinated Biphenyls
- VOC - Volatile Organic Compounds
- EC - Electrical Conductivity
- SAR - Sodium Adsorption Ratio

Of the twenty-nine (29) soil samples analyzed, three (3) samples exceeded the MOECC Table 3 RPI Standards for Electrical Conductivity (EC), Sodium Adsorption Ratio (SAR), and PHC fraction F3. A summary of the exceedences are presented in **Table H**.

Table H: Summary of Table 3 RPI Exceedences in Soil

Parameter	Table 3 RPI Standard (µg/g)	Sample Locations and Concentrations of Soil µg/g		
		BH106	MW107	MW111
Electrical Conductivity	0.7	0.790	No Exceedence	No Exceedence
Sodium Adsorption Ratio	5	6.54	No Exceedence	9.04
PHC Fraction F3	300	No Exceedence	330	No Exceedence

A review of the data collected suggests that there was generally good agreement between the samples collected and their duplicates, with the exception of Monitoring Well MW107 where the duplicate recorded elevated PHC fractions F3 and F4 concentrations in comparison to that detected in the corresponding host sample. However, the host sample did record detectible concentrations of PHC fraction F3, but PHC fraction F4 was non-detect. This is reflective of the non-homogenous nature of the sample, where the field screening recorded “some staining”, suggesting that the host and duplicate samples were not identical in composition.

The test results of the composite sample of soil submitted for TCLP analysis under Ontario Regulation 347, as amended by Ontario Regulation 558/00, were below leachable concentration limits, thus the soil is classified as a non-hazardous waste bulk solid in terms of off-site disposal.

The Laboratory Certificates of Analysis are presented in **Appendix B**.

6.3 GROUND WATER QUALITY

A total of four (4) samples (including one (1) duplicate) of the ground water obtained from MW105, MW109, and MW111 were analyzed for the parameters described in **Table F** (Section 6.1.2, above).

The results of the analyses indicate that the ground water beneath the northern portion of the Site meets MOECC Table 3 Standards for all parameters analyzed, as summarized in **Table I**.

Table I - Summary of Ground Water Chemical Analysis Results

Borehole/ Monitoring Well ID	Sample ID	Sample Depth (m bgs)	Parameters Tested	Parameter Exceedences		
				Table 1	Table 2	Table 3
MW105	EV-1046-090415-MW105	2.48	PHC/VOC M&I	Chloride and Sodium	Chloride and Sodium	Chloride
MW109	EV-1046-090415-MW109	2.46	PHC/VOC M&I	None	None	None
	EV-1046-090415-Duplicate		PHC/VOC	None	None	None
MW111	EV-1046-090415-MW111	2.88	PHC/VOC M&I	None	None	None

- bgs - below ground surface
- PHC - Petroleum Hydrocarbon fractions F1 to F4
- PAH - Polycyclic Aromatic Hydrocarbons
- M&I - Metals and inorganics
- PCB - Polychlorinated Biphenyls
- VOC - Volatile Organic Compounds
- NA - Not Applicable

Of the four (4) ground water samples analyzed, one (1) sample exceeded the MOECC Table 3 Standards for Chloride. A summary of the exceedences are presented in **Table J**, below.

Table J- Summary of Table 3 Exceedences in Ground Water

Parameter	Table 3 Standard (µg/L)	Ground Water Analysis (µg/L)		
		MW105	MW109	MW111
Chloride	2,300,000	3,240,000	No Exceedence	No Exceedence

Review of the data collected suggests that there was good agreement between the samples collected and the duplicate.

The Laboratory Certificate of Analysis is presented in **Appendix B**.

6.4 QUALITY ASSURANCE AND QUALITY CONTROL RESULTS

The Limited Phase II ESA was performed under the supervision and direction of a Qualified Person.

Soil Probe collected soil samples in conformance with Soil Probe’s SOPs, which were developed in accordance with O. Reg. 153/04 (as amended).

Soil Probe personnel used appropriate measures (such as disposable gloves, dedicated sampling equipment, laboratory supplied containers, proper cleaning procedures, labeling and Chain-of-Custody documents) to ensure data quality.

As part of the Quality Assurance and Quality Control Program, duplicate samples for soil and ground water (including the trip blanks for soil and ground water) were submitted for Quality Assurance and Quality Control (QA/QC) and meet the requirements set for in O.Reg. 153/04, as amended. One (1) duplicate sample was collected for every ten (10) sample parameters.

In accordance with O.Reg. 153/04 (as amended), a single trip blank sample was carried to the Site, and subsequently analysed for VOC parameters, for the single day that ground water sampling was performed. Although not required by O.Reg.153/04 (as amended), the QA/QC program was extended to and two (2) trip blank samples were carried to the Site and analysed for VOC parameters during the three (3) days of soil sampling.

Samples were transported in ice-filled coolers to ensure temperatures were maintained below 10°C, along with a Chain of Custody to AGAT. AGAT performed the chemical analysis in compliance with the MOECC "Laboratory Services Branch, Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act", as amended. No discrepancies were noted as samples were properly handled with regards to the following:

- Holding time;
- Preservation method;
- Storage requirement; and,
- Container type.

The Laboratory Certificates of Analysis are presented in **Appendix B**.

A review of the data collected suggests that there was good agreement between the samples collected and their duplicates in all but one case. The duplicate soil sample collected from MW107 exceeded the MOECC Table 3 RPI Standards for PHC fraction F3, whilst its host sample passed. It is considered that this anomaly is a result of the non-homogenous nature of the soil sample and its duplicate with regards to the PHC impact, which appears to be related to localised "staining" of soil particles/lumps.

The Qualified Person concluded that the data met the data quality objective and the decision-making was not affected. The Qualified Person has concluded that the overall objectives of the investigation and assessment were met.

7.0 SUMMARY OF THE FINDINGS AND CONCLUSIONS

7.1 SOIL IMPACTS

Soil impacts that exceeded the MOECC Table 3 RPI Standards for EC and SAR were located from about 0.5 m to 2.3 m bgs in areas where de-icing salts are used. The single exceedence for PHC fraction F3 relates to an area of the Site in which an underground fuel oil storage tank was located. This exceedence may be representative of more onerous PHC impact within the immediate vicinity.

7.2 GROUND WATER IMPACTS

Ground water impact that exceeded the respective MOECC Table 3 Standards for chloride is in an area where de-icing salts are used.

7.3 CONCLUSIONS

Based on a review of the Phase I ESA Report, the following Areas of Potential Environmental Concern (APECs) were identified as a result of Potentially Contaminating Activities (PCAs) that have occurred or are occurring, on or within influencing distance of, the Phase II Property:

- APEC 1 – Potential soil and ground water impacts due to the past use of an Underground Storage Tank (UST) at the Phase II Property used for heating purposes;
- APEC 2 – Potential soil and ground water impact due to the past use of a garbage incinerator at the school;
- APEC 4 – Potential impacts to soil and ground water due to the historical use of the Phase II Property since 1860 and for the use of coal fired boilers;
- APEC 5 – Potential impacts to ground water from off-site sources such as the gasoline service center on Yonge Street;
- APEC 6 – Potential impacts to soil and ground water resulting from the application of de-icing salts; and,
- APEC 7– Potential impact to soil and ground water as a result of fill of unknown quality and origin.

The results of the Phase II ESA investigation indicate that the majority of PCAs associated with the Phase II ESA Property have not resulted in impacts to the soil and ground water beneath the Site at the locations sampled, with the exception of the following:

- APEC 1 - Soil impact due to past use of UST for heating purposes (Table 3 exceedence for PHC fraction F3 in a soil sample obtained from MW107 at 2.13 m to 2.29 m bgs); and,
- APEC 6 - Soil and ground water impacts as a result of the on-site use of de-icing salts (Table 3 exceedences for Electrical Conductivity and Sodium Absorption Ratio in soil samples from BH106 at 0.53 m to 0.76 m bgs and MW111 at 1.98 m to 2.29 m bgs, and chloride in a ground water sample obtained from MW105).

It should be noted that the majority of soil and ground water samples collected from the investigated locations across the centre and western half of the Site (excluding the above noted exceedences), meet MOECC Table 1 Standards for the parameters tested.

The Toxicity Characteristic Leaching Procedure (TCLP) conducted on a composite sample of the soils encountered beneath the Site, indicated that the soil is a non-hazardous waste bulk solid, thus any soil for off-site disposal can be disposed to non-hazardous waste landfill.

Since the Site will not require a Record of Site Condition (RSC) for re-development, the PHC soil impacts can be removed at the time of redevelopment.

With regards to the de-icing salt related impacts to the soil and ground water, it is anticipated that the Site will continue to function as an active school facility that will require the application of de-icing salts. In this regard, it is recommended that a Modified Generic Risk Assessment (MGRA) is completed to further address the related on-site and potential off-site impacts detected in the soil and ground water beneath the Site. Alternatively, consideration may be given to the application of urea in place of the de-icing salts, in conjunction with implementation of a ground water quality monitoring program to assess a reducing trend in chloride concentrations.

Following completion of the above work and at such time as the monitoring wells are deemed to be no longer required, they will require decommissioning in accordance to Ontario Regulation 903.

8.0 ASSESSOR QUALIFICATIONS

Soil Probe provides geotechnical, geo-environmental engineering, environmental sciences and material testing and inspection services. Incorporated in 1986, it operates in Ontario under a Certificate of Authorization issued by PEO and carries both general and professional liability insurance. The qualifications of the environmental assessors are presented in **Appendix C**.

Technical Review: Oliver G. Owens, B.Sc., FGS
 Final Review: Najla Hafizi




9.0 CLOSURE

This report is subject to the *Statement of Limitations* which forms an integral part of this document. The *Statement of Limitations* is not intended to reduce the level of responsibility accepted by Soil Probe, but rather to ensure that all parties who have been given reliance for this report are aware of the responsibilities each assumes in so doing.

We trust the above meet your needs. Should you have any questions, please contact the Soil Probe office.

Sincerely,
SOIL PROBE LTD.



John G Lametti, P.Eng., QP



JL\jl-ogo-nh/mg\SHARE15\PHASE II\EV-1046-27692- Toronto Lands Corporation (TDSB)-Phase II ESA-43 Millwood Road - Toronto, ON-September 2015

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- Soil Probe Ltd. Phase I Environmental Site Assessment, Report No. 2015-27482 dated June 19, 2015.



STATEMENT OF LIMITATIONS

Standard of Care and Basis of this Report

Soil Probe Ltd. ("Soil Probe") has prepared this report in a manner consistent with generally accepted engineering and/or environmental practices in the jurisdiction in which the specified services were provided. The information and conclusions set out in this report reflects Soil Probe's best professional judgment in light of the information available to Soil Probe at the time of preparation. Soil Probe disclaims any and all warranties, express or implied, including without limitation any warranty of merchantability and/or fitness for a particular purpose, and makes no representations concerning the legal effect, interpretation or significance of this report or the information, conclusions or recommendations contained in it.

The conclusions and recommendations provided in this report have been prepared in relation to the specified site (the "Site") and the proposed project (the "Project"), as described by the Client to Soil Probe. Given the nature of the work undertaken by Soil Probe as part of this report, the Client acknowledges that ground conditions may vary over distances and may change over time. Should there arise any changes to the conditions of the Site or the Project (as to purpose or design), Soil Probe is to be notified within a reasonable period of time, and in any event within 24 hours of the Client's learning of such changes, so as to give Soil Probe an opportunity to review and revise this report in light of such changes. Soil Probe accepts no liability or responsibility for any use of this report or reliance on this report following any changes to the conditions of the Site or the Project.

The scope of professional services provided by Soil Probe for the Project are as set out in this report. Should such services be limited to those of a geotechnical nature, Soil Probe shall not be held liable or responsible for any environmental services that may be required, nor shall this report be interpreted to reflect any environmental aspects of the Project. Alternatively, should such services be limited to those of an environmental nature, Soil Probe shall not be held liable or responsible for any geotechnical services that may be required, nor shall this report be interpreted to reflect any geotechnical aspects of the Project.

This report is not intended to provide recommendations for possible future conditions or use of the Site or adjoining properties. Should the need arise for such recommendations Soil Probe may need to conduct further investigations.

Use of this Report

This report is intended to be read and used in its entirety. No reliance may be made upon any individual portion or section of this report without reference to the entire report as a whole. In preparing this report, Soil Probe has relied on information, instructions and communications given by the Client to Soil Probe, the applicability, truth and accuracy of which is the sole responsibility of the Client.

This report with the information, sampling data, analysis, conclusions and recommendations contained in it (if any), has been prepared for and may only be used by the Client and only for the specific purpose as specified by the Client to Soil Probe in connection with the Project. Without prior written consent from Soil Probe, use of this report or any portion thereof by any person or entity other than the Client, or for any purpose other than as communicated by the Client to Soil Probe, is strictly prohibited. Soil Probe accepts no liability or responsibility for the unauthorized use of this report. This report and all documents that form part of it are the sole property of Soil Probe. Soil Probe relies on and retains any and all intellectual property rights it has in this report, including any copyright to which it is entitled. The Client shall not give, lend or sell this report, or any portion thereof, to any entity, person or association without the express prior written consent of Soil Probe. This report and the information contained herein shall be treated as strictly confidential.

The contents of this report, inclusive of Soil Probe's conclusions and recommendations in relation to the Project, are intended only for the guidance of the Client in carrying out the specified services for the Project, as described by the Client to Soil Probe. Accordingly, Soil Probe does not accept any liability or responsibility for any inaccuracy contained in this report arising as a result of or in any way connected with any exclusion, oversight or falsification of the information provided to Soil Probe by the Client. This report, including the effect of the subsurface conditions as described in this report, is to be interpreted at the risk and discretion of the Client and any contractors or others bidding on or undertaking contractual work to be performed as part of the Project who may come into possession of or learn of this report or its contents. It is exigent that all contractors bidding or undertaking the work are to rely on their own interpretations of the data contained in this report in addition to their own investigations and conclusions. Soil Probe shall not be held liable or responsible for any interpretation of or conclusions that may be drawn from the data or information contained in this report.

The information, recommendations and conclusions presented in this report are based on Soil Probe's interpretation of conditions revealed through the limited investigation conducted within a defined scope of services. In no event will Soil Probe be held responsible or liable to the Client or any other person or entity for any special, indirect, incidental, punitive or consequential loss or damage (including, loss of use, lost profits or expenses incurred) resulting from or in any way related to the independent interpretations, interpolations, conclusions or decisions of the Client or any other person or entity, based on the information contained in this report. The

restriction of liability includes but is not limited to decisions made to develop, purchase or sell land.

Notwithstanding the exclusions of liability contained herein but without in any way limiting their effect or generality, if there is found to be any finding of liability or responsibility whatsoever on the part of Soil Probe which in any way relates to or arises from this report, or the information, conclusions or recommendations contained in it, such liability and/or responsibility shall cease and forever be extinguished from and after the date which is two (2) years from the date of this report. In no event shall any liability or responsibility of Soil Probe exceed the fees charged by Soil Probe to the Client for the preparation of this report (excluding any arms' length disbursements or expenditures made or incurred by Soil Probe as a result thereof and reimbursed by the Client).

Site Conditions

The material conditions, classifications, conclusions and recommendations contained in this report were based on the site conditions observed or tested by Soil Probe or otherwise communicated to Soil Probe by the Client. The description, identification and classification of soils, rocks, chemical contamination and other materials have been made based on limited investigations, sampling and testing of materials performed by Soil Probe and its qualified representatives in reliance on the use of relevant or applicable equipment, all in accordance with commonly acceptable standards in the geotechnical and/or environmental disciplines. Accordingly, this report may include assumptions of conditions which are based on discrete sample locations and thus some conditions may not have been detected. The Client accepts all liability and risk for the use of this report and the information and data contained in it. Soil Probe shall not be held liable or responsible for any conditions beyond the scope of tests conducted on samples of the subsurface and soil conditions of the subject property as set out in this report.

For clarity, the Client acknowledges and accepts that unique risks exist whenever engineering or related disciplines are applied to identify subsurface conditions and even a comprehensive sampling and testing program may fail to detect certain conditions. The environmental, geological, geotechnical, geochemical and hydrogeological conditions that Soil Probe interprets to exist between sampling points may differ from those that actually exist. As a result, the Client acknowledges and accepts that because of the inherent uncertainties in subsurface evaluations, unanticipated underground conditions may occur or become known subsequent to Soil Probe's investigation that could affect conclusions, recommendations, total Project cost and/or execution.

Indemnification of Risk

Though Soil Probe adheres to the highest degree of integrity and employs due diligence in limiting the potential release of toxins and hazardous substances, the risk of accidental release of such substances is a possibility when providing geotechnical and environmental services.

In consideration of the provision of services by Soil Probe, the Client agrees to defend, indemnify and hold Soil Probe and its employees and agents harmless from and against any and all claims, liabilities, damages, causes of action, judgments, costs or expenses (including reasonable legal fees and disbursements), resulting from or arising by reason of the death or bodily injury to persons, damage to property, or other loss, whether related to an accidental release of pollutants or hazardous substances occurring as a result of carrying out this Project or otherwise, and whether or not resulting from Soil Probe's negligent actions or omissions. This indemnification shall include and extend to any and all third party claims brought or threatened against Soil Probe under any federal or provincial law or statute as a result of Soil Probe conducting work on the Project. In addition to and notwithstanding the foregoing, the Client further agrees to unconditionally and irrevocably release Soil Probe from, and not to bring any claims against Soil Probe in connection with, any of the aforementioned claims or causes.

Sub-consultants and Contractor Services

In conjunction with the services provided by Soil Probe's own employees, external services provided by other persons or entities that are specializing in services other than those offered by Soil Probe, such as drilling, excavation and laboratory testing, are often employed in order to carry out the defined scope of work. If such external services have been employed for this Project, the Client acknowledges that Soil Probe is not in any way liable or responsible for any costs, claims or damages in relation to the services rendered by such other persons or entities or payment therefor, nor shall Soil Probe be liable or responsible for damages for errors, omissions or negligence caused by such other persons or entities while providing such external services.

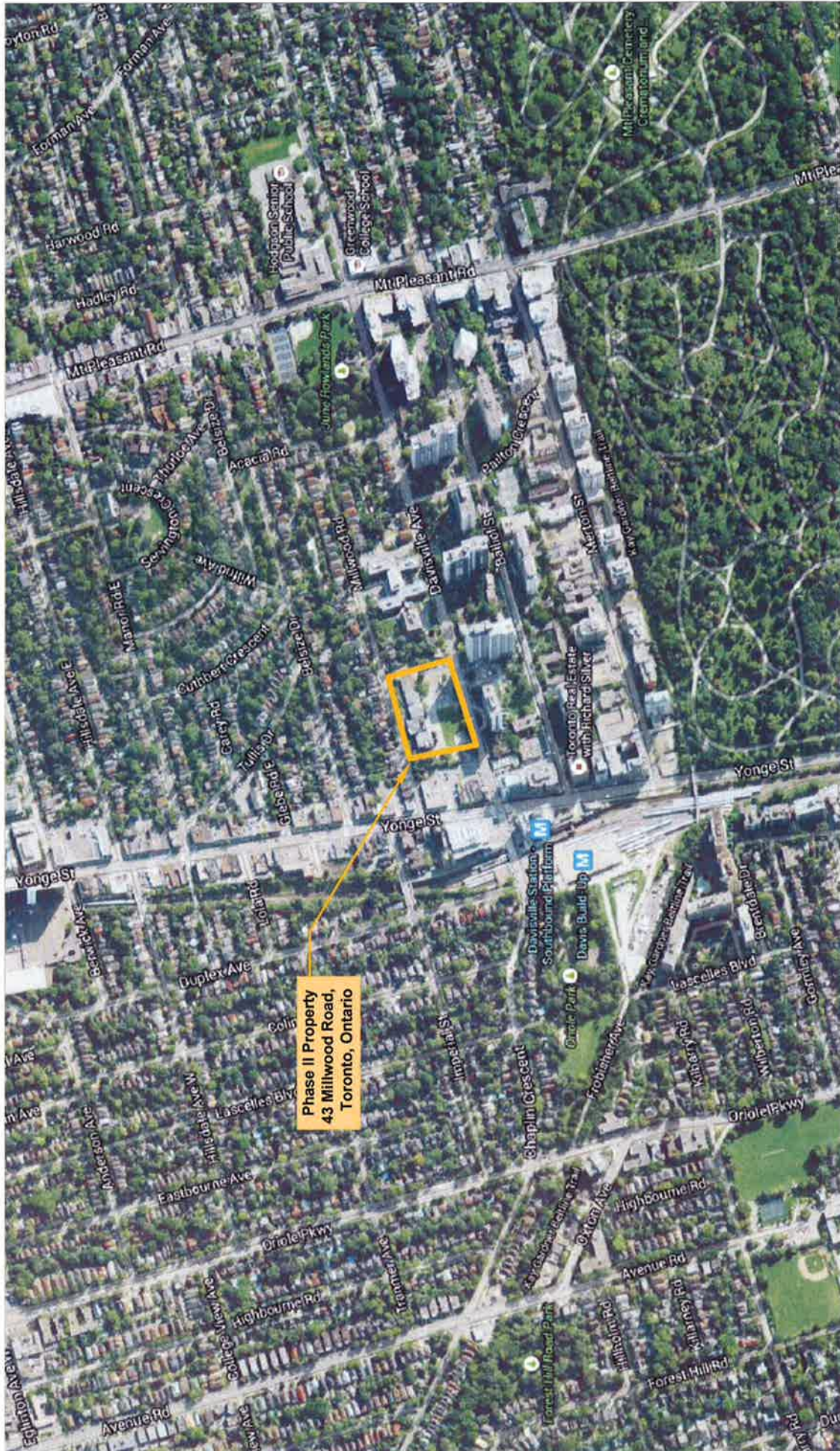
Work and Job Site Safety

Soil Probe shall be responsible only for its activities and that of its employees on the Site. Soil Probe shall not direct any of the fieldwork nor the work of any other person or entity on the Project. The presence of Soil Probe staff on the Site does not relieve the Client or any contractor on the Site from their responsibilities pertaining to site safety. The Client at all times retains any and all responsibility for the safety of those individuals present on the Site and/or working on the Project, including Soil Probe's employees.



Report No.: 2015-27692 | File No.EV-1046
Toronto Lands Corporation

DRAWINGS



Phase II Property
 43 Millwood Road,
 Toronto, Ontario

LEGEND:

- Approximate Phase II Property Location

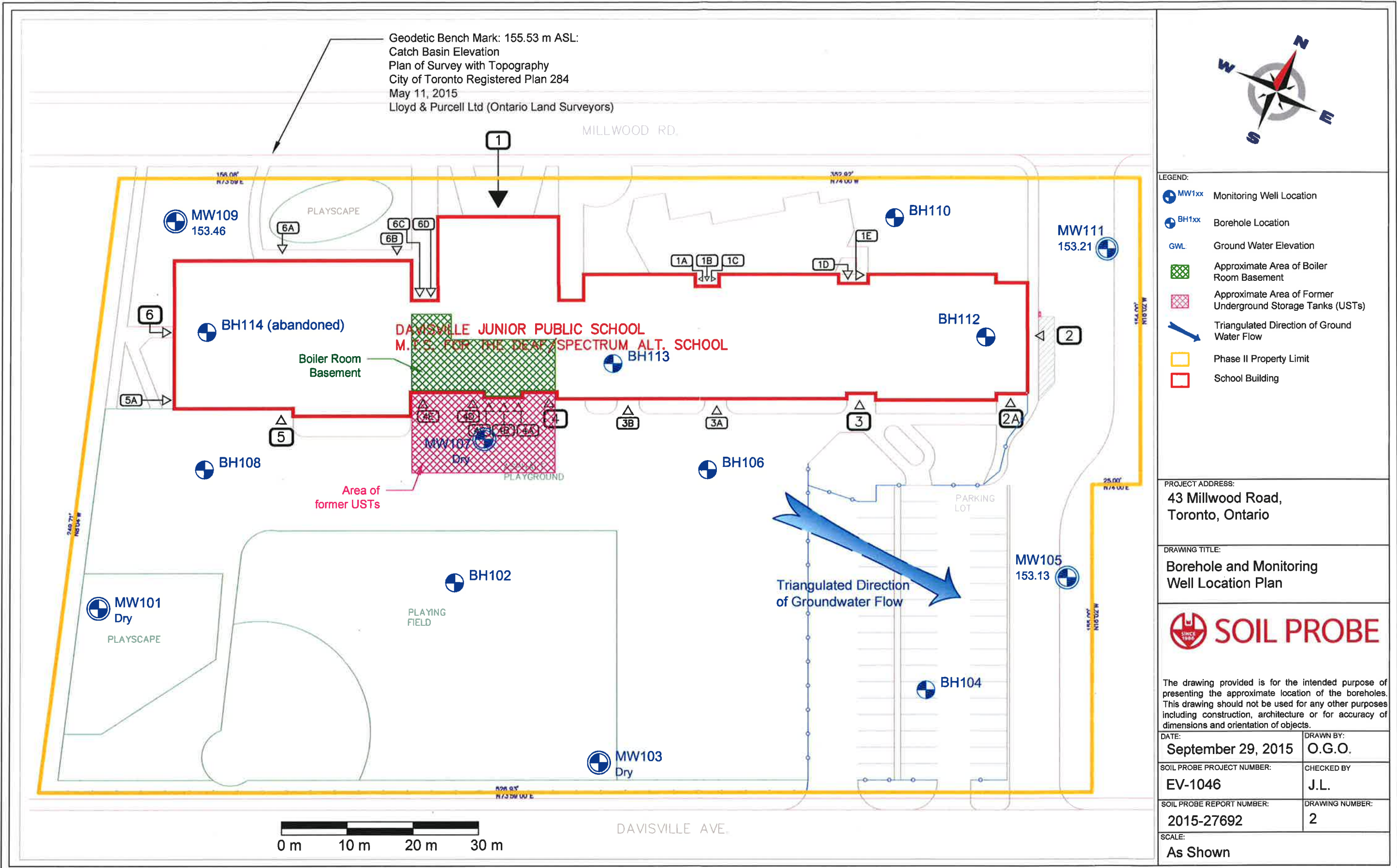
PROJECT ADDRESS:
 43 Millwood Road,
 Toronto, Ontario

DRAWING TITLE:
 PHASE II PROPERTY LOCATION

DATE: SEPTEMBER 29, 2015	DRAWN BY: O.G.O.
SOIL PROBE PROJECT NUMBER: EV-1046	CHECKED BY: J.L.
SOIL PROBE REPORT NUMBER: 2015-27692	DRAWING NUMBER: 1
SCALE: N.T.S.	

The following base map was taken from Google Map. Soil Probe does not take credit for the base map or its contents. The drawing provided is for the intended purpose of presenting the approximate location of the Phase II Property. This drawing should not be used for any other purposes including construction, architecture or for accuracy of dimensions and orientation of objects.







Report No.: 2015-27692 | File No.EV-1046
Toronto Lands Corporation

APPENDICES



Report No.: 2015-27692 | File No.EV-1046
Toronto Lands Corporation

APPENDIX A
Borehole and Monitoring Well Logs

BOREHOLE LOG

BOREHOLE NO.: 101-MW



ENCLOSURE 1
PAGE 1 OF 1

PROJECT NO.: EV-1046 **DATE:** August 12, 2015
PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School
CLIENT: Toronto Lands Corporation
LOCATION: 43 Millwood Road, Toronto, Ontario
ELEVATION (M): 156.04 **CAVED AT DEPTH (M):** 7.01
WATER LEVEL DEPTH (M): **DRILLING METHOD:** Solid Stem Auger
DRILLER: Sonic Soil Sampling Inc. **DRILL RIG:** GEO-205
LOGGED BY: Manimaran Patchayappan **REVIEWED BY:** Delwar Hossain

LEGEND:	
	SS - SPLIT SPOON
	AS - AUGER SAMPLE
	ST - SHELBY TUBE
	CS - CORE SAMPLE
	STABILIZED WATER LEVEL
	CAVED AT
"N"	BLOWS / 0.3 M
M.C.	NATURAL MOISTURE CONTENT (%)
V.R.	VOLATILE READING
P.L.	PLASTIC LIMIT (%)
L.L.	LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L.	
									△ M.C.	● "N" Value
0			FILL - sand with trace to some fine gravel, moist	0 ppm	S1	0 - 0.46		0		
155.4			FILL - gravel, sand	0 ppm	S2	0.46 - 0.76		155.4		
1.4				0 ppm	S3	0.76 - 1.52		1.4		
154			SANDY SILT TILL - trace to some clay, brown, moist	0 ppm	S4	1.52 - 1.98		154		
2.8				0 ppm	S5	2.59 - 3.05		2.8		
152.6				0 ppm	S6	3.05 - 3.66		152.6		
4.2				0 ppm	S7	3.81 - 4.27		4.2		
151.2			CLAYEY SILT TILL - some sand, grey, moist	0 ppm	S8	4.57 - 5.03		151.2		
5.6				0 ppm	S9	5.33 - 6.86		5.6		
149.8			SANDY SILT TILL - trace clay, grey, moist	0 ppm	S10	6.86 - 7.92		149.8		
7				0 ppm				7		
148.4			End of Borehole at 7.92 m Caved in at 7.01 m Borehole dry on completion of drilling and on subsequent monitoring days (August 19 and 31, 2015)					148.4		
8.4								8.4		
147								147		
9.8								9.8		
145.6								145.6		

Notes: Monitoring Well installed in this borehole
 Open Hole Readings - RKI Eagle II
 0% LEL, 1 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 102



ENCLOSURE 2
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.85

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger

DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

- SS - SPLIT SPOON
- AS - AUGER SAMPLE
- ST - SHELBY TUBE
- CS - CORE SAMPLE
- STABILIZED WATER LEVEL
- CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L.						
									△ M.C.	● "N" Value	20	40	60	80	
0			450 mm Topsoil					0							
155.4			FILL - dark brown sandy silt, moist	0 ppm	S1	0.46 - 0.76		155.4							
				0 ppm	S2	0.91 - 1.52									
1.4			CLAYEY SILT TILL - some sand, brown, moist					1.4							
154				0 ppm	S3	1.83 - 2.29		154							
				0 ppm	S4	2.29 - 2.44									
2.8				0 ppm	S5	2.59 - 3.05		2.8							
152.6			End of Borehole at 3.05 m Borehole dry and open on completion of drilling					152.6							
4.2								4.2							
151.2								151.2							
5.6								5.6							
149.8								149.8							
7								7							
148.4								148.4							
8.4								8.4							
147								147							
9.8								9.8							
145.6								145.6							

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

BOREHOLE LOG

BOREHOLE NO.: 103-MW



Appendix C

ENCLOSURE 3
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.73

CAVED AT DEPTH (M): 6.86

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger

DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

- SS - SPLIT SPOON
- AS - AUGER SAMPLE
- ST - SHELBY TUBE
- CS - CORE SAMPLE
- STABILIZED WATER LEVEL
- CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/DEPTH (m)	WELL/PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/DEPTH (m)	P.L.-L.L.
									△ M.C. ● "N" Value 20 40 60 80
155.4			TOPSOIL - about 50 mm thick	0 ppm	S1	0.25 - 0.76		155.4	
1.4			1 FILL - brown sandy silt with traces of clay, moist	0 ppm	S2	1.02 - 1.52		1.4	
154			2 CLAYEY SILT TILL - trace to some sand, brown, moist	0 ppm	S3	1.73 - 2.29		154	
2.8				0 ppm	S4	2.44 - 2.74		2.8	
152.6				0 ppm	S5	3.05 - 3.51		152.6	
4.2			3 SANDY SILT TILL - some clay, brown, moist	0 ppm	S6	3.81 - 4.11		4.2	
151.2			CLAYEY SILT TILL - trace to some sand, grey, moist	0 ppm	S7	4.57 - 5.33		151.2	
5.6			4	0 ppm	S8	5.33 - 5.49		5.6	
149.8				0 ppm	S9	6.10 - 6.55		149.8	
7			5 - possible sand and seams at 7.0 m	0 ppm	S10	6.86 - 7.92		7	
148.4			6					148.4	
8.4			End of Borehole at 7.92 m Cave in at 6.86 m Borehole dry on completion of drilling and on subsequent monitoring days (August 19 and 31, 2015)					8.4	
147								147	
9.8								9.8	
145.6								145.6	

Notes: Monitoring Well installed in this borehole
Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 104



Appendix C

ENCLOSURE 4
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 11, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.44

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.







DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L. △ M.C. ● "N" Value 20 40 60 80
155.4 - 0			PAVEMENT - 660mm thick					155.4 - 0	
154 - 1.4			1 FILL - topsoil mixed with soil (sand-silt-clay)	0 ppm 0 ppm	S1 S2	0.66 - 0.76 0.76 - 1.52		154 - 1.4	
152.6 - 2.8			CLAYEY SILT TILL - some sand, brown, moist	0 ppm	S3	1.78 - 2.29		152.6 - 2.8	
151.2 - 4.2			2 SANDY SILT TILL - some clay, brown, moist	0 ppm	S4	2.29 - 2.59		151.2 - 4.2	
149.8 - 5.6			3 CLAYEY SILT TILL - some sand, brown, moist	0 ppm	S5	3.05 - 3.51		149.8 - 5.6	
148.4 - 7			SANDY SILT TILL - some clay, trace fine gravel, brown, moist					148.4 - 7	
147 - 8.4			End of Borehole at 3.5 m Borehole open and dry on completion of drilling					147 - 8.4	
145.6 - 9.8								145.6 - 9.8	

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

BOREHOLE LOG

BOREHOLE NO.: 105-MW



ENCLOSURE 5
PAGE 1 OF 1

PROJECT NO.: EV-1046 **DATE:** August 11, 2015
PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School
CLIENT: Toronto Lands Corporation
LOCATION: 43 Millwood Road, Toronto, Ontario
ELEVATION (M): 155.61 **CAVED AT DEPTH (M):**
WATER LEVEL DEPTH (M): 2.48 **DRILLING METHOD:** Solid Stem Auger
DRILLER: Sonic Soil Sampling Inc. **DRILL RIG:** GEO-205
LOGGED BY: Manimaran Patchayappan **REVIEWED BY:** Delwar Hossain

LEGEND:	
	SS - SPLIT SPOON
	AS - AUGER SAMPLE
	ST - SHELBY TUBE
	CS - CORE SAMPLE
	STABILIZED WATER LEVEL
	CAVED AT
"N"	BLOWS / 0.3 M
M.C.	NATURAL MOISTURE CONTENT (%)
V.R.	VOLATILE READING
P.L.	PLASTIC LIMIT (%)
L.L.	LIQUID LIMIT (%)

ELEVATION/DEPTH (m)	WELL/PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/DEPTH (m)	M.C. "N" Value 20 40 60 80	P.L.-L.L.
155.4			PAVEMENT - 75mm asphalt over 225mm granular base	0 ppm 0 ppm 0 ppm	S1 S2 S3	0.30 - 0.46 0.46 - 0.76 0.76 - 1.52		155.4		
154			FILL - dark brown to grey, sandy silt mixed with sand- gravel and pieces of stone, moist	0 ppm 0 ppm 0 ppm	S4 S5 S6	1.73 - 1.93 1.93 - 2.29 2.29 - 2.90		154		
152.6			FILL - mixed grey- brown, clayey silt with some sand, wet	0 ppm	S7	3.05 - 3.35		152.6		
151.2			FILL - mixed grey- brown clayey silt to sandy silt with some gravel and stones, pockets of organic material, moist to very moist	0 ppm 0 ppm	S8 S9	4.01 - 4.57 4.57 - 5.03		151.2		
149.8			CLAYEY SILT TILL - some sand, mottled grey- brown, weathering stains, moist	0 ppm 0 ppm	S10 S11	5.64 - 6.10 6.10 - 6.86		149.8		
148.4			colour changes to grey below 4.0 m					148.4		
147			SILTY CLAY TILL - some sand, trace to some gravels, grey, moist					147		
145.6			End of borehole at 6.86 m Water level at 2.25 on August 19, 2015 and at 2.48 on August 31, 2015					145.6		

Notes: 50 mm diameter monitoring well installed in this borehole
Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 106



Appendix C

SOIL PROBE

ENCLOSURE 6
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 11, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.8

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L. △ M.C. ● "N" Value 20 40 60 80			
0			PAVEMENT - 380mm thick					0				
155.4				0 ppm	S1	0.38 - 0.53		155.4				
				0 ppm	S2	0.53 - 0.76						
1.4			FILL - grey to black, crushed stone screening, moist	0 ppm	S3	1.14 - 1.52		1.4				
				0 ppm	S4	1.52 - 2.29						
154			TOPSOIL - about 200 mm thick	0 ppm	S5	2.29 - 2.59		154				
				0 ppm	S6	2.59 - 3.05						
2.8			FILL - grey clayey stiff, trace of organic material, moist					2.8				
152.6			CLAYEY SILT TILL - some sand, trace gravel, mottled grey-brown, moist					152.6				
			SANDY SILT TILL - some clay, trace gravel, mottled grey-brown, moist					4.2				
4.2			CLAYEY SILT TILL - some sand, trace gravel, mottled grey-brown, weathering stains, moist					151.2				
151.2			End of borehole at 3.05 m Borehole open and dry on completion of drilling					5.6				
5.6								149.8				
149.8								7				
7								148.4				
148.4								8.4				
8.4								147				
147								9.8				
9.8								145.6				
145.6												

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

BOREHOLE LOG

BOREHOLE NO.: 107-MW



Appendix C

SOIL PROBE

ENCLOSURE 7
PAGE 1 OF 2

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 156.0

CAVED AT DEPTH (M): 7.3

WATER LEVEL DEPTH (M): 7.68

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/DEPTH (m)	WELL/PIEZO DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/DEPTH (m)	M.C.	P.L.-L.L.
									△ M.C.	
									● "N" Value	20 40 60 80
0			PAVEMENT - 125mm asphalt over 630mm granular base	0 ppm	S1	0.46 - 0.76		0		
155.4								155.4		
1.4			FILL - brown sand (medium grained) with pieces of concrete, moist	0 ppm	S2	1.07 - 1.52		1.4		
154								154		
2.8			FILL - clayey fill	0 ppm	S3	1.83 - 2.13		2.8		
152.6								152.6		
4.2			- occasional inclusion of red brick pieces around 2.5 m	0 ppm	S4	2.13 - 2.29		4.2		
151.2								151.2		
5.6			FILL - layer of brown clayey silt followed by silty sand gravel	0 ppm	S5	2.74 - 3.05		5.6		
149.8								149.8		
7			FILL - brown silty fine sand with trace to some clay and gravel sized stones and trace of organic material, moist	0 ppm	S6	3.20 - 3.66		7		
148.4								148.4		
8.4			CLAYEY SILT TILL - some sand, brown, moist	0 ppm	S7	3.66 - 3.81		8.4		
147								147		
9.8			- colour changes to grey					9.8		
145.6			SANDY SILT TILL - some clay, grey, moist					145.6		
			End of borehole at 7.92 m Cave-in at 7.3 m Borehole dry on completion of		S8	3.81 - 4.27				
					S9	4.88 - 5.33				
					S10	5.64 - 6.10				
					S11	6.43 - 6.86				
					S12	6.86 - 7.92				

Notes: 50 mm diameter monitoring well installed in this borehole
Open Hole Readings - RKI Eagle II
7% LEL, 7 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 108



Appendix C

ENCLOSURE 8
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.85

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L. △ M.C. ● "N" Value 20 40 60 80
0			PAVEMENT - 50mm asphalt over 130mm granular base	0 ppm	S1	0.18 - 0.61		0	
155.4				0 ppm	S2	0.61 - 0.97		155.4	
				0 ppm	S3	0.97 - 1.27			
1.4			FILL - brown to grey to mixed grey- brown, silty fine sand with trace of clay, pockets of organics, moist	0 ppm	S4	1.27 - 2.06		1.4	
154				0 ppm	S5	2.06 - 2.44		154	
				0 ppm	S6	2.44 - 2.87			
2.8			FILL - brown clayey silt with some sand, trace of organic material, moist					2.8	
152.6								152.6	
4.2			wet below about 0.9 m					4.2	
151.2								151.2	
5.6			SANDY SILT TILL - some clay, trace of fine gravel, brown, moist					5.6	
149.8								149.8	
7			CLAYEY SILT TILL - some sand trace gravel, moist, brown					7	
148.4								148.4	
8.4			End of Borehole at 2.87 m Borehole open and dry on completion of drilling					8.4	
147								147	
9.8								9.8	
145.6								145.6	

Notes: Open Hole Readings - RKI Eagle II
11% LEL, 0 ppm - VOC

BOREHOLE LOG

BOREHOLE NO.: 109-MW



ENCLOSURE 9
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 19, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 155.92

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M): 2.46

DRILLING METHOD: Solid Stem Auger

DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

- SS - SPLIT SPOON
- AS - AUGER SAMPLE
- ST - SHELBY TUBE
- CS - CORE SAMPLE
- STABILIZED WATER LEVEL
- CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L. △ M.C. ● "N" Value 20 40 60 80
0			FILL - topsoil mixed with sandy silt	0 ppm	S1	0.0 - 0.46		0	
155.4			FILL - brown sandy silt with some clay and trace of fine gravel, moist	0 ppm	S2	0.46 - 0.76		155.4	
1.4				0 ppm	S3	0.76 - 1.22		1.4	
154			SANDY SILT TILL - some clay, trace of fine gravel, brown, moist	0 ppm	S4	1.52 - 2.29		154	
2.8				0 ppm	S5	2.29 - 2.74		2.8	
152.6				0 ppm	S6	3.05 - 3.25		152.6	
4.2				0 ppm	S7	3.81 - 4.27		4.2	
151.2				0 ppm	S8	6.10 - 6.22		151.2	
5.6				0 ppm	S9	6.22 - 6.45		5.6	
149.8			SILTY FINE SAND - grey, moist	0 ppm	S10	6.22 - 6.45		149.8	
7			CLAYEY SILT TILL - some silt, trace gravel, grey, moist	0 ppm	S11	7.01 -		7	
148.4			End of borehole at 7.01 m Borehole dry on completion of drilling and on August 17, 2015 Water level at 2.46 m on August 31, 2015					148.4	
8.4								8.4	
147								147	
9.8								9.8	
145.6								145.6	

Notes: 50 mm diameter monitoring well installed in this borehole

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 110



ENCLOSURE 10
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 156.12

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger

DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:	
	SS - SPLIT SPOON
	AS - AUGER SAMPLE
	ST - SHELBY TUBE
	CS - CORE SAMPLE
	STABILIZED WATER LEVEL
	CAVED AT
"N"	BLOWS / 0.3 M
M.C.	NATURAL MOISTURE CONTENT (%)
V.R.	VOLATILE READING
P.L.	PLASTIC LIMIT (%)
L.L.	LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	<table border="1"> <tr> <td colspan="4">M.C.</td> </tr> <tr> <td>△</td> <td>●</td> <td colspan="2">"N" Value</td> </tr> <tr> <td>20</td> <td>40</td> <td>60</td> <td>80</td> </tr> </table>	M.C.				△	●	"N" Value		20	40	60	80
M.C.																					
△	●	"N" Value																			
20	40	60	80																		
0			TOPSOIL - about 300 mm thick	0 ppm	S1	0.00 - 0.30		0													
			FILL - brown sandy silt, trace to some clay, moist	0 ppm	S3	0.76 - 1.37		155.4													
1.4				0 ppm	S4	1.37 - 1.63		1.4													
			includes some gravel below 1.4 m	0 ppm	S5	1.63 - 2.13		154													
154			SANDY SILT TILL - some clay, trace of gravel, brown, some weathering stains, moist					2.8													
152.6			End of borehole at 2.13 m Borehole terminated due to high resistance to SPT.				4.2														
151.2			Borehole open and dry on completion of drilling				5.6														
149.8							7														
148.4							8.4														
147							9.8														
145.6								145.6													

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 111-MW



Appendix C

SOIL PROBE

ENCLOSURE 11
PAGE 1 OF 2

PROJECT NO.: EV-1046

DATE: August 11, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 156.09

CAVED AT DEPTH (M): 5.5

WATER LEVEL DEPTH (M): 2.88

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: GEO-205

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/DEPTH (m)	WELL/PIEZO DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/DEPTH (m)	M.C., "N" Value	P.L.-L.L.
0			PAVEMENT - 100mm asphalt over 600mm granular base	0 ppm	S1	0.56 - 0.69		0		
155.4				0 ppm	S2	0.69 - 0.76		155.4		
1.4				0 ppm	S3	0.76 - 1.07		1.4		
154			FILL - sand-gravel with pieces of stones and red brick, brown, moist	0 ppm	S4	1.07 - 1.52		154		
154				0 ppm	S5	1.52 - 1.98		1.4		
2.8			- clayey silt with some sand	0 ppm	S6	1.98 - 2.29		154		
152.6				0 ppm	S7	2.29 - 2.36		154		
152.6				0 ppm	S8	2.36 - 2.54		2.8		
151.2				0 ppm	S9	2.54 - 3.05		152.6		
151.2				0 ppm	S10	3.05 - 3.35		152.6		
4.2			- sand-gravel with pieces of crushed stones	0 ppm	S11	3.81 - 4.11		151.2		
151.2				0 ppm	S12	4.11 - 4.57		4.2		
151.2			- clayey silt with some sand	0 ppm	S13	5.03 - 5.33		151.2		
5.6				0 ppm	S14	5.64 - 6.10		151.2		
149.8			- sand-gravel with pieces of stones and red bricks	0 ppm				151.2		
149.8			SANDY SILT TILL - some clay, brown, moist	0 ppm				5.6		
7			CLAYEY SILT TILL - some sand, brown, moist					149.8		
148.4			SANDY SILT TILL - some clay, brown, moist					7		
148.4			SILTY CLAY TILL - some sand, grey, moist					148.4		
8.4			CLAYEY SILT TILL - some sand, grey, moist					8.4		
147			CLAYEY SILT TILL - some sand, grey, moist					147		
147			End of borehole at 6.1 m					9.8		
9.8			Cave-in at 5.5 m					147		
145.6								145.6		

Notes: 50 mm diameter monitoring well installed in this borehole
Open Hole Readings - RKI Eagle II
1% LEL, 0 ppm - VOC

This information pertains only to this borehole and should not be interpreted as being indicative of the site.

BOREHOLE LOG

BOREHOLE NO.: 112



ENCLOSURE 12
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 156.43

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger







DRILLER: Sonic Soil Sampling Inc.







DRILL RIG: Pionjor

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

-  SS - SPLIT SPOON
-  AS - AUGER SAMPLE
-  ST - SHELBY TUBE
-  CS - CORE SAMPLE
-  STABILIZED WATER LEVEL
-  CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L.						
									△ M.C.	● "N" Value	20	40	60	80	
0			115mm CONCRETE		S1	0.13 - 0.23		0							
155.4			PAVEMENT - asphalt veneer over 100 mm granular	0 ppm	S2	0.23 - 0.43		155.4							
1.4			FILL - brown fine sand	0 ppm	S3	0.43 - 0.76		1.4							
154			dark grey sandy silt with some clay and gravel, moist	0 ppm	S4	0.76 - 1.37		154							
2.8			brown clayey silt with some sand and trace gravel, moist	0 ppm	S5	1.37 - 1.68		2.8							
152.6			SANDY SILT TILL - some clay, trace gravel, brown, moist	0 ppm	S6	1.68 - 2.13		152.6							
4.2			End of borehole at 2.90 m Borehole open and dry on completion of drilling		S7	2.59 - 2.90		4.2							
151.2								151.2							
5.6								5.6							
149.8								149.8							
7								7							
148.4								148.4							
8.4								8.4							
147								147							
9.8								9.8							

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

BOREHOLE LOG

BOREHOLE NO.: 113



ENCLOSURE 13
PAGE 1 OF 1

PROJECT NO.: EV-1046

DATE: August 12, 2015

PROJECT: Proposed Davisville Junior Public School/Metro School for the Deaf/Spectrum Alt Senior School

CLIENT: Toronto Lands Corporation

LOCATION: 43 Millwood Road, Toronto, Ontario

ELEVATION (M): 156.43

CAVED AT DEPTH (M):

WATER LEVEL DEPTH (M):

DRILLING METHOD: Solid Stem Auger

DRILLER: Sonic Soil Sampling Inc.

DRILL RIG: Pionjor

LOGGED BY: Manimaran Patchayappan

REVIEWED BY: Delwar Hossain

LEGEND:

- SS - SPLIT SPOON
- AS - AUGER SAMPLE
- ST - SHELBY TUBE
- CS - CORE SAMPLE
- STABILIZED WATER LEVEL
- CAVED AT
- "N" BLOWS / 0.3 M
- M.C. NATURAL MOISTURE CONTENT (%)
- V.R. VOLATILE READING
- P.L. PLASTIC LIMIT (%)
- L.L. LIQUID LIMIT (%)

ELEVATION/ DEPTH (m)	WELL/ PIEZO. DETAIL	SOIL SYMBOLS, SAMPLERS AND TEST DATA	DESCRIPTION	V.R.	SAMPLE ID	SAMPLE DEPTHS (m)	"N" VALUE	ELEVATION/ DEPTH (m)	P.L.-L.L. △ M.C. ● "N" Value 20 40 60 80
0			140mm CONCRETE	0 ppm	S1	0.14 - 0.43		0	
155.4			FILL - brown fine sand to sandy silt with pockets of clayey sand, moist	0 ppm	S2	0.43 - 0.74		155.4	
1.4			- dark brown to brown sandy silt with trace of clay and organic material, moist	0 ppm	S4	1.35 - 2.16		1.4	
154			CLAYEY SILT TILL - some sand, trace gravel, brown, weathering stains, moist	0 ppm	S5	2.16 - 2.84		154	
2.8			End of borehole at 2.84 m Borehole open and dry on completion					2.8	
152.6								152.6	
4.2								4.2	
151.2								151.2	
5.6								5.6	
149.8								149.8	
7								7	
148.4								148.4	
8.4								8.4	
147								147	
9.8								9.8	

Notes: Open Hole Readings - RKI Eagle II
0% LEL, 0 ppm - VOC

KEY TO SYMBOLS

Symbol Description

Symbol Description

Strata symbols



Fill



Sandy silt till



Clayey silt till



Topsoil



Pavement



Silty clay till



Silty fine sand



Silty sand till



Concrete

Misc. Symbols



Borehole Caved At



Stabilized
Water Level

Soil Samplers



Split Spoon



Description not given for:
"AS"

Monitor Well Details



Flush-mount
Cover

Notes:

Terms describing RELATIVE DENSITY, based on Standard Penetration Test "N"-Value for COURSE GRAINED soils (major portion retained on No. 200 sieve).

DESCRIPTIVE TERM ["N"-Value (blows/0.3m), Relative Density (%)]

- Very Loose [less than 4, less than 15]
- Loose [4 to 10, 15 to 35]
- Compact or Medium [10 to 30, 35 to 65]
- Dense [30 to 50, 65 to 85]
- Very Dense [greater than 50, greater than 85]

Terms describing CONSISTENCY, based on Standard Penetration Test "N"-Value for FINE GRAINED soils (major portion passing No. 200 sieve)

DESCRIPTIVE TERM [Unconfined Compressive Strength (kPa), "N"-Value (blows/0.3m)]

- Very Soft [less than 25, less than 2]
- Soft [25 to 50, 2 to 4]
- Firm [50 to 100, 4 to 8]
- Stiff [100 to 200, 8 to 15]
- Very Stiff [200 to 400, 15 to 30]
- Hard [greater than 400, greater than 30]

KEY TO SYMBOLS

Symbol **Description**

Monitor Well Details



Silica sand, Blank PVC



Bentonite Pellets



Slotted Pipe w/ Sand



No Pipe, Sealed



**End of Well
Installation**



Report No.: 2015-27692 | File No.EV-1046
Toronto Lands Corporation

APPENDIX B
Laboratory Certificate of Analysis



5835 COOPERS AVENUE
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1Y2
 TEL (905)712-5100
 FAX (905)712-5122
<http://www.agatlabs.com>

**CLIENT NAME: SOIL PROBE LTD.
 110 IRONSIDE CRESCENT
 SCARBOROUGH, ON M1X1M2
 (416) 754-7055**

ATTENTION TO: John Lametti

PROJECT: EV-1046

AGAT WORK ORDER: 15T007622

SOIL ANALYSIS REVIEWED BY: Parvathi Malemath, Data Reviewer

TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor

DATE REPORTED: Aug 24, 2015

PAGES (INCLUDING COVER): 24

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

***NOTES**

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories (V1)

Page 1 of 24

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
 Western Enviro-Agricultural Laboratory Association (WEALA)
 Environmental Services Association of Alberta (ESAA)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation.

*Results relate only to the items tested and to all the items tested
 All reportable information as specified by ISO 17025:2005 is available from AGAT Laboratories upon request*

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis
AGAT WORK ORDER: 15T007622
PROJECT: EV-1046



CLIENT NAME: SOIL PROBE LTD.
SAMPLING SITE:

ATTENTION TO: John Lametti
SAMPLED BY: John Lametti

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION:		DATE SAMPLED:		DATE REPORTED:					
				MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	2015-08-14	2015-08-24				
Antimony	µg/g	1.3	0.8	EV-1046081315	EV-1046081315	8/13/2015	8/13/2015	EV-1046081315	EV-1046081315	8/13/2015	8/13/2015	8/13/2015	8/13/2015
Arsenic	µg/g	18	1	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Barium	µg/g	220	2	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Beryllium	µg/g	2.5	0.5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Boron	µg/g	36	5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Boron (Hot Water Soluble)	µg/g	NA	0.10	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Cadmium	µg/g	1.2	0.5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Chromium	µg/g	70	2	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Cobalt	µg/g	21	0.5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Copper	µg/g	92	1	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Lead	µg/g	120	1	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Molybdenum	µg/g	2	0.5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Nickel	µg/g	82	1	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Selenium	µg/g	1.5	0.4	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Silver	µg/g	0.5	0.2	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Thallium	µg/g	1	0.4	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Uranium	µg/g	2.5	0.5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Vanadium	µg/g	86	1	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Zinc	µg/g	290	5	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Chromium VI	µg/g	0.66	0.2	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Cyanide	µg/g	0.051	0.040	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Mercury	µg/g	0.27	0.10	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Electrical Conductivity	mS/cm	0.57	0.005	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
Sodium Adsorption Ratio	NA	2.4	NA	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I
pH, 2:1 CaCl2 Extraction	pH Units		NA	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I	8/13/2015	8/13/2015	MW101 M&I	BH102 M&I



Certified By:

5835 COOPERS AVENUE
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1Y2
 TEL (905)712-5100
 FAX (905)712-5122
 http://www.agatlabs.com

Certificate of Analysis
 AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-14		O. Reg. 153(511) - Metals & Inorganics (Soil)										DATE REPORTED: 2015-08-24			
Parameter	Unit	SAMPLE DESCRIPTION:		SAMPLE TYPE:		DATE SAMPLED:		G / S		RDL		Soil		Soil	
		BH108 M&I	EV-1046081315	BH110 M&I	EV-1046081315	MW111 M&I	8/13/2015	8/13/2015	8/13/2015	8/13/2015	BH112 M&I	EV-1046081315	BH113 M&I	8/13/2015	6870945
Antimony	µg/g														
Arsenic	µg/g	1.3	0.8	4		3		3		3		3		3	
Barium	µg/g	18	1	77		70		61		62		62		50	
Beryllium	µg/g	220	2	0.7		0.6		0.5		<0.5		<0.5		<0.5	
Boron	µg/g	2.5	0.5	5		<5		5		5		5		<5	
Boron (Hot Water Soluble)	µg/g	36	5	0.24		0.24		0.49		<0.10		<0.10		<0.10	
Cadmium	µg/g	NA	0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
Chromium	µg/g	70	2	28		21		23		19		17		17	
Cobalt	µg/g	21	0.5	9.1		6.9		8.8		8.1		6.9		6.9	
Copper	µg/g	92	1	21		17		18		18		15		15	
Lead	µg/g	120	1	9		8		8		8		7		7	
Molybdenum	µg/g	2	0.5	<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	
Nickel	µg/g	82	1	22		19		20		20		15		15	
Selenium	µg/g	1.5	0.4	<0.4		<0.4		<0.4		<0.4		<0.4		<0.4	
Silver	µg/g	0.5	0.2	<0.2		<0.2		<0.2		<0.2		<0.2		<0.2	
Thallium	µg/g	1	0.4	<0.4		<0.4		<0.4		<0.4		<0.4		<0.4	
Uranium	µg/g	2.5	0.5	0.5		0.5		0.5		0.7		0.5		<0.5	
Vanadium	µg/g	86	1	35		32		29		26		25		25	
Zinc	µg/g	290	5	48		39		43		40		60		60	
Chromium VI	µg/g	0.66	0.2	<0.2		<0.2		<0.2		<0.2		<0.2		<0.2	
Cyanide	µg/g	0.051	0.040	<0.040		<0.040		<0.040		<0.040		<0.040		<0.040	
Mercury	µg/g	0.27	0.10	<0.10		<0.10		<0.10		<0.10		<0.10		<0.10	
Electrical Conductivity	mS/cm	0.57	0.005	0.419		0.143		0.616		0.391		0.171		0.171	
Sodium Adsorption Ratio	NA	2.4	NA	4.37		0.388		9.04		3.10		0.231		0.231	
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.57		7.63		7.73		7.66		7.68		7.68	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Industrial/Commercial/Community Property Use

6870481-6870945 EC & SAR were determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio.



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Certificate of Analysis

AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-14		DATE REPORTED: 2015-08-24	
O. Reg. 558 Metals and Inorganics			
EV-1046081315			
SAMPLE DESCRIPTION: TCLP		Soil	
SAMPLE TYPE: Soil		DATE SAMPLED: 8/13/2015	
DATE SAMPLED: 8/13/2015		RDL	
Parameter	Unit	G / S	RDL
Arsenic Leachate	mg/L	2.5	0.010
Barium Leachate	mg/L	100	0.100
Boron Leachate	mg/L	500	0.050
Cadmium Leachate	mg/L	0.5	0.010
Chromium Leachate	mg/L	5.0	0.010
Lead Leachate	mg/L	5.0	0.010
Mercury Leachate	mg/L	0.1	0.01
Selenium Leachate	mg/L	1.0	0.010
Silver Leachate	mg/L	5.0	0.010
Uranium Leachate	mg/L	10.0	0.050
Fluoride Leachate	mg/L	150	0.05
Cyanide Leachate	mg/L	20.0	0.05
(Nitrate + Nitrite) as N Leachate	mg/L	1000	0.70

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Regulation 558



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AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti

DATE RECEIVED: 2015-08-14		O. Reg. 153(511) - PAHs (Soil)										DATE REPORTED: 2015-08-24	
Parameter	Unit	EV-1046081315 MW101 PAH	EV-1046081315 BH102 PAH	EV-1046081315 BH104 PAH	EV-1046081315 MW107 PAH	EV-1046081315 BH108 PAH	Duplicate 4	EV-1046081315 BH112 PAH	EV-1046081315 BH113 PAH	Soil	Soil	Soil	Soil
Sample Description:	G / S	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
Sample Type:	RDL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Naphthalene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Phenanthrene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benz(a)anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-cd)pyrene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz(a,h)anthracene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-and 1-methyl Naphthalene	µg/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Moisture Content	%	11.8	10.8	10.4	5.7	11.5	10.4	10.9	10.4	10.4	10.9	10.9	17.3
Surrogate	Unit	Acceptable Limits											
Chrysene-d12	%	50-140	68	56	51	61	64	64	62	64	62	62	55

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Industrial/Commercial/Community Property Use

6870483-6870946 Results are based on the dry weight of the soil.
 Note: The result for Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.

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Certificate of Analysis

AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

CLIENT NAME: SOIL PROBE LTD.

SAMPLING SITE:

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti

DATE RECEIVED: 2015-08-14		DATE REPORTED: 2015-08-24	
O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)			
Parameter	Unit	EV-1046081315 MW101 PHC/VOC Soil 8/13/2015 6870480	EV-1046081315 MW103 PHC/VOC Soil 8/13/2015 6870492
F1 (C6 to C10)	µg/g	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	5	<5
F2 (C10 to C16)	µg/g	<10	<10
F3 (C16 to C34)	µg/g	240	<50
F4 (C34 to C50)	µg/g	120	<50
Gravimetric Heavy Hydrocarbons	µg/g	50	NA
Moisture Content	%	0.1	1.1
Surrogate		Acceptable Limits	
Terphenyl	%	60-140	107
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Certificate of Analysis
AGAT WORK ORDER: 15T007622
PROJECT: EV-1046

AGAT Laboratories

CLIENT NAME: SOIL PROBE LTD.
SAMPLING SITE:

ATTENTION TO: John Lametti
SAMPLED BY: John Lametti

DATE RECEIVED: 2015-08-14		DATE REPORTED: 2015-08-24									
Parameter	Unit	G / S	RDL	EV-1046081315		EV-1046081315		EV-1046081315		EV-1046081315	
				MW101	MW103	MW105	BH106	MW107	MW111		
Sample Description:	PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC
Date Sampled:	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
Sample Type:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Dichlorodifluoromethane	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	µg/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromomethane	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g	0.25	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acetone	µg/g	0.5	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethylene	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trans-1,2-Dichloroethylene	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl tert-butyl Ether	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	µg/g	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Methyl Ethyl Ketone	µg/g	0.5	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cis-1,2-Dichloroethylene	µg/g	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chloroform	µg/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
1,2-Dichloroethane	µg/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
1,1,1-Trichloroethane	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzene	µg/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2-Dichloropropane	µg/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Trichloroethylene	µg/g	0.05	0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Bromodichloromethane	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Isobutyl Ketone	µg/g	0.5	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	µg/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Toluene	µg/g	0.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide	µg/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethylene	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	µg/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Chlorobenzene	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti

DATE RECEIVED: 2015-08-14	O. Reg. 153(511) - VOCs (Soil)										DATE REPORTED: 2015-08-24
Parameter	Unit	G / S	RDL	EV-1046081315		EV-1046081315		EV-1046081315		EV-1046081315	
				MW101	MW103	MW105	BH106	MW107	MW111		
SAMPLE DESCRIPTION:		SAMPLE TYPE:		PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC	Soil	PHC/VOC	Soil
DATE SAMPLED:		DATE SAMPLED:		8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
Acceptable Limits		Acceptable Limits		6870480	6870492	6870501	6870507	6870502	6870909	6870913	6870938
Ethylbenzene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m & p-Xylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoforn	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene Mixture	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene	ug/g	0.05	0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
n-Hexane	ug/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Surrogate	Unit	50-140	50-140	102	123	114	111	111	114	114	119
Toluene-d8	% Recovery			101	108	111	111	107	110	109	109
4-Bromofluorobenzene	% Recovery			101	108	111	111	107	110	109	109

Comments: RDL - Reported Detection Limit: G / S - Guideline / Standard: Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

6870480-6870938 The sample was analysed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.

Certified By:

Results relate only to the items tested and to all the items tested

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Certificate of Analysis

AGAT WORK ORDER: 15T007622

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.

SAMPLING SITE:

DATE RECEIVED: 2015-08-14		DATE REPORTED: 2015-08-24	
ON Regulation 558 Benzo(a) pyrene			
EV-1046081315			
SAMPLE DESCRIPTION: TCLP		SAMPLE TYPE: Soil	
DATE SAMPLED: 8/13/2015		RDL: 6870947	
Parameter	Unit	G / S	RDL
Benzo(a)pyrene	mg/L	0.001	0.001

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Regulation 558
6870947 The sample was leached according to Regulation 558 protocol. Analysis was performed on the leachate.

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Certificate of Analysis

AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

ON Regulation 558 PCBs		DATE RECEIVED: 2015-08-14	DATE REPORTED: 2015-08-24
SAMPLE DESCRIPTION: TCLP SAMPLE TYPE: Soil DATE SAMPLED: 8/13/2015 G / S RDL 6870947 0.3 0.005 <0.005 Acceptable Limits 60-130 78			
Parameter	Unit	mg/L	
Polychlorinated Biphenyls			
Surrogate	Unit	%	
Decachlorobiphenyl			

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Regulation 558
 6870947 The soil sample was leached using the Regulation 558 procedure. Analysis was performed on the leachate.

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-14		ON Regulation 558 VOCs		DATE REPORTED: 2015-08-24
Parameter	Unit	G / S	RDL	Acceptable Limits
EV-1046081315				
SAMPLE DESCRIPTION: TCLP		Soil		
SAMPLE TYPE: Soil		8/13/2015		
DATE SAMPLED: 8/13/2015		6870947		
Vinyl Chloride	mg/L	0.030	0.030	<0.030
1,1 Dichloroethene	mg/L	0.020	0.020	<0.020
Dichloromethane	mg/L	0.030	0.030	<0.030
Methyl Ethyl Ketone	mg/L	0.090	0.090	<0.090
Chloroform	mg/L	0.020	0.020	<0.020
1,2-Dichloroethane	mg/L	0.020	0.020	<0.020
Carbon Tetrachloride	mg/L	0.020	0.020	<0.020
Benzene	mg/L	0.020	0.020	<0.020
Trichloroethene	mg/L	0.020	0.020	<0.020
Tetrachloroethene	mg/L	0.050	0.050	<0.050
Chlorobenzene	mg/L	0.010	0.010	<0.010
1,2-Dichlorobenzene	mg/L	0.010	0.010	<0.010
1,4-Dichlorobenzene	mg/L	0.010	0.010	<0.010
Toluene-d8	% Recovery	60-130		95

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Reg. 558
 Sample was prepared using Regulation 558 protocol and a zero headspace extractor.

6870947

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AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-14		DATE REPORTED: 2015-08-24	
PCBs (soil)			
SAMPLE DESCRIPTION: MW101 PCB EV-1046081315 MW107 PCB SAMPLE TYPE: Soil DATE SAMPLED: 8/13/2015 G / S RDL 6870482 6870926 Unit µg/g 0.3 0.1 <0.1 % 0.1 6.2 14.0 Surrogate Acceptable Limits Unit % Decachlorobiphenyl 60-130 120 84			

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
 6870482-6870926 Results are based on the dry weight of soil extracted.

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Guideline Violation
 AGAT WORK ORDER: 15T007622
 PROJECT: EV-1046

AGAT Laboratories

CLIENT NAME: SOIL PROBE LTD.

ATTENTION TO: John Lametti

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	GUIDEVALUE	RESULT
6870497	EV-1046081315 BH104 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity	0.57	0.605
6870497	EV-1046081315 BH104 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio	2.4	3.34
6870577	EV-1046081315 BH106 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity	0.57	0.790
6870577	EV-1046081315 BH106 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio	2.4	6.54
6870909	Duplicate 2	ON T1 S RPI/ICC	O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)	F3 (C16 to C34)	240	330
6870909	Duplicate 2	ON T1 S RPI/ICC	O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)	F4 (C34 to C50)	120	510
6870932	EV-1046081315 BH108 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio	2.4	4.37
6870936	EV-1046081315 MW111 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Electrical Conductivity	0.57	0.616
6870936	EV-1046081315 MW111 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio	2.4	9.04
6870943	EV-1046081315 BH112 M&I	ON T1 S RPI/ICC	O. Reg. 153(511) - Metals & Inorganics (Soil)	Sodium Adsorption Ratio	2.4	3.10

Results relate only to the items tested and to all the items tested



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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T007622

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY: John Lametti

Soil Analysis																
RPT Date: Aug 24, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
O. Reg. 153(511) - Metals & Inorganics (Soil)																
Antimony	6870935	6870935	<0.8	<0.8	0.0%	< 0.8	105%	70%	130%	98%	80%	120%	108%	70%	130%	
Arsenic	6870935	6870935	3	3	0.0%	< 1	106%	70%	130%	88%	80%	120%	91%	70%	130%	
Barium	6870935	6870935	70	69	1.4%	< 2	101%	70%	130%	94%	80%	120%	78%	70%	130%	
Beryllium	6870935	6870935	0.6	0.5	18.2%	< 0.5	100%	70%	130%	103%	80%	120%	95%	70%	130%	
Boron	6870935	6870935	<5	<5	0.0%	< 5	81%	70%	130%	112%	80%	120%	100%	70%	130%	
Boron (Hot Water Soluble)	6870481	6870481	0.14	0.14	0.0%	< 0.10	107%	60%	140%	91%	70%	130%	95%	60%	140%	
Cadmium	6870935	6870935	<0.5	<0.5	0.0%	< 0.5	106%	70%	130%	95%	80%	120%	98%	70%	130%	
Chromium	6870935	6870935	21	19	10.0%	< 2	93%	70%	130%	107%	80%	120%	88%	70%	130%	
Cobalt	6870935	6870935	6.9	6.8	1.5%	< 0.5	100%	70%	130%	97%	80%	120%	95%	70%	130%	
Copper	6870935	6870935	17	17	0.0%	< 1	95%	70%	130%	99%	80%	120%	96%	70%	130%	
Lead	6870935	6870935	8	8	0.0%	< 1	95%	70%	130%	96%	80%	120%	96%	70%	130%	
Molybdenum	6870935	6870935	<0.5	<0.5	0.0%	< 0.5	99%	70%	130%	95%	80%	120%	97%	70%	130%	
Nickel	6870935	6870935	19	19	0.0%	< 1	98%	70%	130%	98%	80%	120%	93%	70%	130%	
Selenium	6870935	6870935	<0.4	<0.4	0.0%	< 0.4	105%	70%	130%	91%	80%	120%	96%	70%	130%	
Silver	6870935	6870935	<0.2	<0.2	0.0%	< 0.2	99%	70%	130%	94%	80%	120%	98%	70%	130%	
Thallium	6870935	6870935	<0.4	<0.4	0.0%	< 0.4	105%	70%	130%	88%	80%	120%	92%	70%	130%	
Uranium	6870935	6870935	0.5	0.5	0.0%	< 0.5	120%	70%	130%	108%	80%	120%	114%	70%	130%	
Vanadium	6870935	6870935	32	30	6.5%	< 1	91%	70%	130%	104%	80%	120%	92%	70%	130%	
Zinc	6870935	6870935	39	41	5.0%	< 5	98%	70%	130%	108%	80%	120%	102%	70%	130%	
Chromium VI	6870943	6870943	<0.2	<0.2	0.0%	< 0.2	93%	70%	130%	101%	80%	120%	99%	70%	130%	
Cyanide	6870481	6870481	<0.040	<0.040	0.0%	< 0.040	98%	70%	130%	109%	80%	120%	110%	70%	130%	
Mercury	6870935	6870935	<0.10	<0.10	0.0%	< 0.10	111%	70%	130%	90%	80%	120%	95%	70%	130%	
Electrical Conductivity	6870481	6870481	0.218	0.213	2.3%	< 0.005	101%	90%	110%	NA			NA			
Sodium Adsorption Ratio	6870481	6870481	0.179	0.192	7.0%	NA	NA			NA			NA			
pH, 2:1 CaCl2 Extraction	6870486	6870486	7.80	7.87	0.9%	NA	100%	80%	120%	NA			NA			

Comments: NA signifies Not Applicable.

O. Reg. 558 Metals and Inorganics

Arsenic Leachate	6870947	6870947	<0.010	<0.010	0.0%	< 0.010	104%	90%	110%	95%	80%	120%	92%	70%	130%
Barium Leachate	6870947	6870947	0.483	0.505	0.0%	< 0.100	99%	90%	110%	99%	80%	120%	106%	70%	130%
Boron Leachate	6870947	6870947	<0.050	<0.050	0.0%	< 0.050	102%	90%	110%	103%	80%	120%	100%	70%	130%
Cadmium Leachate	6870947	6870947	<0.010	<0.010	0.0%	< 0.010	99%	90%	110%	100%	80%	120%	95%	70%	130%
Chromium Leachate	6870947	6870947	0.011	0.015	0.0%	< 0.010	98%	90%	110%	100%	80%	120%	92%	70%	130%
Lead Leachate	6870947	6870947	<0.010	<0.010	0.0%	< 0.010	107%	90%	110%	107%	80%	120%	103%	70%	130%
Mercury Leachate	6870947	6870947	<0.01	<0.01	0.0%	< 0.01	106%	90%	110%	100%	80%	120%	92%	70%	130%
Selenium Leachate	6870947	6870947	<0.010	<0.010	0.0%	< 0.010	101%	90%	110%	96%	80%	120%	91%	70%	130%
Silver Leachate	6870947	6870947	<0.010	<0.010	0.0%	< 0.010	97%	90%	110%	94%	80%	120%	91%	70%	130%
Uranium Leachate	6870947	6870947	<0.050	<0.050	0.0%	< 0.050	97%	90%	110%	113%	80%	120%	109%	70%	130%
Fluoride Leachate	6870947	6870947	0.23	0.23	0.0%	< 0.05	99%	90%	110%	92%	90%	110%	90%	70%	130%

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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T007622

ATTENTION TO: John Lametti

SAMPLED BY: John Lametti

Soil Analysis (Continued)

RPT Date: Aug 24, 2015															
PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Cyanide Leachate	6870947	6870947	<0.05	<0.05	0.0%	< 0.05	104%	90%	110%	104%	90%	110%	101%	70%	130%
(Nitrate + Nitrite) as N Leachate	6870947	6870947	<0.70	<0.70	0.0%	< 0.70	98%	80%	120%	99%	80%	120%	99%	70%	130%

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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T007622

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY: John Lametti

Trace Organics Analysis															
RPT Date: Aug 24, 2015			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Soil)															
Dichlorodifluoromethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	81%	50%	140%	92%	50%	140%	76%	50%	140%
Vinyl Chloride	6870480	6870480	< 0.02	< 0.02	0.0%	< 0.02	123%	50%	140%	109%	50%	140%	85%	50%	140%
Bromomethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	102%	50%	140%	87%	50%	140%
Trichlorofluoromethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	86%	50%	140%	85%	50%	140%	83%	50%	140%
Acetone	6870480	6870480	< 0.50	< 0.50	0.0%	< 0.50	90%	50%	140%	98%	50%	140%	91%	50%	140%
1,1-Dichloroethylene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	78%	50%	140%	84%	60%	130%	81%	50%	140%
Methylene Chloride	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	92%	50%	140%	99%	60%	130%	98%	50%	140%
Trans- 1,2-Dichloroethylene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	74%	50%	140%	84%	60%	130%	78%	50%	140%
Methyl tert-butyl Ether	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	117%	50%	140%	100%	60%	130%	102%	50%	140%
1,1-Dichloroethane	6870480	6870480	< 0.02	< 0.02	0.0%	< 0.02	85%	50%	140%	92%	60%	130%	86%	50%	140%
Methyl Ethyl Ketone	6870480	6870480	< 0.50	< 0.50	0.0%	< 0.50	103%	50%	140%	73%	50%	140%	67%	50%	140%
Cis- 1,2-Dichloroethylene	6870480	6870480	< 0.02	< 0.02	0.0%	< 0.02	69%	50%	140%	68%	60%	130%	79%	50%	140%
Chloroform	6870480	6870480	< 0.04	< 0.04	0.0%	< 0.04	75%	50%	140%	98%	60%	130%	77%	50%	140%
1,2-Dichloroethane	6870480	6870480	< 0.03	< 0.03	0.0%	< 0.03	87%	50%	140%	101%	60%	130%	95%	50%	140%
1,1,1-Trichloroethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	85%	50%	140%	105%	60%	130%	78%	50%	140%
Carbon Tetrachloride	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	78%	50%	140%	90%	60%	130%	71%	50%	140%
Benzene	6870480	6870480	< 0.02	< 0.02	0.0%	< 0.02	81%	50%	140%	92%	60%	130%	93%	50%	140%
1,2-Dichloropropane	6870480	6870480	< 0.03	< 0.03	0.0%	< 0.03	89%	50%	140%	99%	60%	130%	91%	50%	140%
Trichloroethylene	6870480	6870480	< 0.03	< 0.03	0.0%	< 0.03	82%	50%	140%	97%	60%	130%	98%	50%	140%
Bromodichloromethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	77%	50%	140%	85%	60%	130%	70%	50%	140%
Methyl Isobutyl Ketone	6870480	6870480	< 0.50	< 0.50	0.0%	< 0.50	94%	50%	140%	89%	50%	140%	87%	50%	140%
1,1,2-Trichloroethane	6870480	6870480	< 0.04	< 0.04	0.0%	< 0.04	95%	50%	140%	97%	60%	130%	88%	50%	140%
Toluene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	80%	50%	140%	91%	60%	130%	88%	50%	140%
Dibromochloromethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	98%	50%	140%	109%	60%	130%	85%	50%	140%
Ethylene Dibromide	6870480	6870480	< 0.04	< 0.04	0.0%	< 0.04	87%	50%	140%	94%	60%	130%	85%	50%	140%
Tetrachloroethylene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	81%	50%	140%	95%	60%	130%	91%	50%	140%
1,1,1,2-Tetrachloroethane	6870480	6870480	< 0.04	< 0.04	0.0%	< 0.04	92%	50%	140%	92%	60%	130%	81%	50%	140%
Chlorobenzene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	83%	50%	140%	97%	60%	130%	93%	50%	140%
Ethylbenzene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	74%	50%	140%	89%	60%	130%	90%	50%	140%
m & p-Xylene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	72%	50%	140%	86%	60%	130%	85%	50%	140%
Bromoform	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	116%	50%	140%	113%	60%	130%	91%	50%	140%
Slyrene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	94%	50%	140%	114%	60%	130%	111%	50%	140%
1,1,2,2-Tetrachloroethane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	92%	50%	140%	92%	60%	130%	75%	50%	140%
o-Xylene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	78%	50%	140%	89%	60%	130%	85%	50%	140%
1,3-Dichlorobenzene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	78%	50%	140%	98%	60%	130%	93%	50%	140%
1,4-Dichlorobenzene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	85%	50%	140%	99%	60%	130%	93%	50%	140%
1,2-Dichlorobenzene	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	87%	50%	140%	97%	60%	130%	96%	50%	140%
1,3-Dichloropropene	6870480	6870480	< 0.04	< 0.04	0.0%	< 0.04	103%	50%	140%	106%	60%	130%	82%	50%	140%
n-Hexane	6870480	6870480	< 0.05	< 0.05	0.0%	< 0.05	75%	50%	140%	61%	60%	130%	66%	50%	140%

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 http://www.agatlabs.com

Quality Assurance

CLIENT NAME: SOIL PROBE LTD.
 PROJECT: EV-1046
 SAMPLING SITE:

AGAT WORK ORDER: 15T007622
 ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti

Trace Organics Analysis (Continued)

RPT Date: Aug 24, 2015			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)

F1 (C6 to C10)	6872868	< 5	< 5	0.0%	< 5	85%	60%	130%	85%	85%	115%	78%	70%	130%
F2 (C10 to C16)	6867004	< 10	< 10	0.0%	< 10	104%	60%	130%	82%	80%	120%	88%	70%	130%
F3 (C16 to C34)	6867004	< 50	< 50	0.0%	< 50	106%	60%	130%	101%	80%	120%	102%	70%	130%
F4 (C34 to C50)	6867004	< 50	< 50	0.0%	< 50	88%	60%	130%	85%	80%	120%	73%	70%	130%

O. Reg. 153(511) - PAHs (Soil)

Naphthalene	6863048	< 0.05	< 0.05	0.0%	< 0.05	113%	50%	140%	82%	50%	140%	63%	50%	140%
Acenaphthylene	6863048	< 0.05	< 0.05	0.0%	< 0.05	99%	50%	140%	78%	50%	140%	57%	50%	140%
Acenaphthene	6863048	< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	78%	50%	140%	60%	50%	140%
Fluorene	6863048	< 0.05	< 0.05	0.0%	< 0.05	95%	50%	140%	80%	50%	140%	56%	50%	140%
Phenanthrene	6863048	< 0.05	< 0.05	0.0%	< 0.05	94%	50%	140%	80%	50%	140%	57%	50%	140%
Anthracene	6863048	< 0.05	< 0.05	0.0%	< 0.05	91%	50%	140%	71%	50%	140%	63%	50%	140%
Fluoranthene	6863048	< 0.05	< 0.05	0.0%	< 0.05	93%	50%	140%	78%	50%	140%	67%	50%	140%
Pyrene	6863048	< 0.05	< 0.05	0.0%	< 0.05	91%	50%	140%	76%	50%	140%	75%	50%	140%
Benz(a)anthracene	6863048	< 0.05	< 0.05	0.0%	< 0.05	70%	50%	140%	53%	50%	140%	50%	50%	140%
Chrysene	6863048	< 0.05	< 0.05	0.0%	< 0.05	95%	50%	140%	66%	50%	140%	62%	50%	140%
Benzo(b)fluoranthene	6863048	< 0.05	< 0.05	0.0%	< 0.05	92%	50%	140%	69%	50%	140%	66%	50%	140%
Benzo(k)fluoranthene	6863048	< 0.05	< 0.05	0.0%	< 0.05	134%	50%	140%	94%	50%	140%	80%	50%	140%
Benzo(a)pyrene	6863048	< 0.05	< 0.05	0.0%	< 0.05	119%	50%	140%	69%	50%	140%	66%	50%	140%
Indeno(1,2,3-cd)pyrene	6863048	< 0.05	< 0.05	0.0%	< 0.05	124%	50%	140%	67%	50%	140%	56%	50%	140%
Dibenz(a,h)anthracene	6863048	< 0.05	< 0.05	0.0%	< 0.05	120%	50%	140%	67%	50%	140%	54%	50%	140%
Benzo(g,h,i)perylene	6863048	< 0.05	< 0.05	0.0%	< 0.05	132%	50%	140%	74%	50%	140%	58%	50%	140%
2-and 1-methyl Naphthalene	6863048	< 0.05	< 0.05	0.0%	< 0.05	121%	50%	140%	72%	50%	140%	61%	50%	140%

ON Regulation 558 VOCs

Vinyl Chloride	6866617	< 0.030	< 0.030	0.0%	< 0.030	98%	60%	140%	102%	60%	140%	NA	60%	140%
1,1 Dichloroethene	6866617	< 0.020	< 0.020	0.0%	< 0.020	106%	70%	130%	97%	70%	130%	NA	60%	140%
Dichloromethane	6866617	< 0.030	< 0.030	0.0%	< 0.030	119%	70%	130%	115%	70%	130%	NA	60%	140%
Methyl Ethyl Ketone	6866617	< 0.090	< 0.090	0.0%	< 0.090	120%	70%	130%	97%	70%	130%	NA	60%	140%
Chloroform	6866617	< 0.020	< 0.020	0.0%	< 0.020	90%	70%	130%	87%	70%	130%	NA	60%	140%
1,2-Dichloroethane	6866617	< 0.020	< 0.020	0.0%	< 0.020	108%	70%	130%	101%	70%	130%	NA	60%	140%
Carbon Tetrachloride	6866617	< 0.020	< 0.020	0.0%	< 0.020	89%	70%	130%	95%	70%	130%	NA	60%	140%
Benzene	6866617	< 0.020	< 0.020	0.0%	< 0.020	90%	70%	130%	83%	70%	130%	NA	60%	140%
Trichloroethene	6866617	< 0.020	< 0.020	0.0%	< 0.020	102%	70%	130%	102%	70%	130%	NA	60%	140%
Tetrachloroethene	6866617	< 0.050	< 0.050	0.0%	< 0.050	112%	70%	130%	120%	70%	130%	NA	60%	140%
Chlorobenzene	6866617	< 0.010	< 0.010	0.0%	< 0.010	109%	70%	130%	107%	70%	130%	NA	60%	140%
1,2-Dichlorobenzene	6866617	< 0.010	< 0.010	0.0%	< 0.010	122%	70%	130%	112%	70%	130%	NA	60%	140%
1,4-Dichlorobenzene	6866617	< 0.010	< 0.010	0.0%	< 0.010	113%	70%	130%	119%	70%	130%	NA	60%	140%

ON Regulation 558 Benzo(a) pyrene

AGAT QUALITY ASSURANCE REPORT (V1)

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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.
 PROJECT: EV-1046
 SAMPLING SITE:

AGAT WORK ORDER: 15T007622
 ATTENTION TO: John Lametti
 SAMPLED BY: John Lametti

Trace Organics Analysis (Continued)																
RPT Date: Aug 24, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
Benzo(a)pyrene	6861455		< 0.001	< 0.001	0.0%	< 0.001	114%	70%	130%	76%	70%	130%	NA	70%	130%	
ON Regulation 558 PCBs																
Polychlorinated Biphenyls	6870947	6870947	< 0.005	< 0.005	0.0%	< 0.005	102%	60%	130%	102%	60%	130%	NA	60%	130%	
PCBs (soil)																
PCBs	6862099		< 0.1	< 0.1	0.0%	< 0.1	124%	60%	140%	107%	60%	140%	106%	60%	140%	

Certified By: _____

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Method Summary

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T007622

ATTENTION TO: John Lametti

SAMPLED BY: John Lametti

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Arsenic	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Barium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Beryllium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Boron	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Boron (Hot Water Soluble)	MET-93-6104	EPA SW 846 6010C; MSA, Part 3, Ch.21	ICP/OES
Cadmium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Chromium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Cobalt	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Copper	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Lead	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Molybdenum	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Nickel	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Selenium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Silver	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Thallium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Uranium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Vanadium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Zinc	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Chromium VI	INOR-93-6029	SM 3500 B; MSA Part 3, Ch. 25	SPECTROPHOTOMETER
Cyanide	INOR-93-6052	MOE CN-3015 & E 3009 A; SM 4500 CN	TECHNICON AUTO ANALYZER
Mercury	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Electrical Conductivity	INOR-93-6036	McKeague 4.12, SM 2510 B	EC METER
Sodium Adsorption Ratio	INOR-93-6007	McKeague 4.12 & 3.26 & EPA SW-846 6010B	ICP/OES
pH, 2:1 CaCl ₂ Extraction	INOR-93-6031	MSA part 3 & SM 4500-H+ B	PH METER
Arsenic Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Barium Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Boron Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Cadmium Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Chromium Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Lead Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Mercury Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Selenium Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Silver Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Uranium Leachate	MET-93-6103	EPA SW-846 1311 & 3010A & 6020A	ICP-MS
Fluoride Leachate	INOR-93-6018	EPA SW-846-1311 & SM4500-F- C	ION SELECTIVE ELECTRODE
Cyanide Leachate	INOR-93-6052	EPA SW-846-1311 & MOE 3015 & SM 4500 CN- I	TECHNICON AUTO ANALYZER
(Nitrate + Nitrite) as N Leachate	INOR-93-6053	EPA SW 846-1311 & SM 4500 - NO ₃ - I	LACHAT FIA



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Method Summary

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T007622

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY: John Lametti

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Acenaphthylene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Acenaphthene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Fluorene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Phenanthrene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Anthracene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Fluoranthene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Pyrene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Benz(a)anthracene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Chrysene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Benzo(b)fluoranthene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Benzo(k)fluoranthene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Benzo(a)pyrene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Dibenz(a,h)anthracene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Benzo(g,h,i)perylene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
2-and 1-methyl Naphthalene	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
Moisture Content	ORG-91-5106	EPA SW-846 3541 & 8270	BALANCE
Chrysene-d12	ORG-91-5106	EPA SW846 3541 & 8270	GC/MS
F1 (C6 to C10)	VOL-91-5009	CCME Tier 1 Method, SW846 5035	P & T GC / FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method, SW846 5035	P & T GC / FID
F2 (C10 to C16)	VOL-91-5009	CCME Tier 1 Method	GC / FID
F3 (C16 to C34)	VOL-91-5009	CCME Tier 1 Method	GC / FID
F4 (C34 to C50)	VOL-91-5009	CCME Tier 1 Method	GC / FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	CCME Tier 1 Method	GRAVIMETRIC ANALYSIS
Moisture Content	VOL-91-5009	CCME Tier 1 Method, SW846 5035,8015	BALANCE
Terphenyl	VOL-91-5009		GC/FID
Dichlorodifluoromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Vinyl Chloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromomethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Acetone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methylene Chloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trans- 1,2-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl tert-butyl Ether	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Cis- 1,2-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Chloroform	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Benzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromodichloromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS



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Method Summary

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T007622

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY: John Lametti

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
1,1,2-Trichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Toluene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Dibromochloromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromoform	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Styrene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Xylene Mixture	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
n-Hexane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Benzo(a)pyrene	ORG-91-5114	EPA SW846 3540 & 8270	GC/MS
Polychlorinated Biphenyls	ORG-91-5112	Regulation 558, EPA SW846 3510C/8082	GC/ECD
Decachlorobiphenyl	ORG-91-5112	EPA SW846 3510C/8082	GC/ECD
Vinyl Chloride	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
1,1 Dichloroethene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Dichloromethane	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Chloroform	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Benzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Trichloroethene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Tetrachloroethene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5001	EPA SW-846 5230B & 8260	(P&T)GC/MS
PCBs	ORG-91-5113	EPA SW-846 3541 & 8082	GC/ECD
Decachlorobiphenyl	ORG-91-5113	EPA SW-846 3541 & 8082	GC/ECD
Moisture Content		MOE E3139	BALANCE

Laboratory Use Only *LARGE*

Work Order #: *IST 007622*

Cooler Quantity: *401 99 98*

Arrival Temperatures: *8.9 8.0 7.9*

Custody Seal Intact: Yes N/A

Notes:

Turnaround Time (TAT) Required:

Regular TAT 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply) 3 Business Days 2 Business Days 1 Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays

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www.agatiabs.com webearth.agatiabs.com

Regulatory Requirements: No Regulatory Requirement

Regulation 153/04 Sewer Use Regulation 558

Table 1 Indicate One

Ind/Com CCWE

Res/Park Prov. Water Quality Objectives (PWQO)

Agriculture Storm Other

Soil Texture (Check One) Coarse Fine

Region: _____ Indicate One

Report Guideline on Certificate of Analysis

Is this submission for a Record of Site Condition? Yes No

AGAT Laboratories

Chain of Custody Record If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water intended for human consumption)

Report Information:

Company: *Soil Probe Ltd.*

Contact: *John Lametti*

Address: *20-110 Ironside Crescent Toronto, ON M1X 1M7 416-754-7655 ext. 754-1259*

Phone: *Soil Probe Limited*

Reports to be sent to:

1. Email: *John Lametti*

2. Email:

Project Information:

Project: *EV-1046*

Site Location: *43 Millwood Danville*

Sampled By: *John Lametti*

AGAT Quote #: *59230* PO: _____

Invoice Information:

Company: *Soil Probe Ltd*

Contact: *Same as above*

Address:

Email:

Bill To Same: Yes No

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/Special Instructions
<i>EV-1046-01</i>	<i>Nov 01</i>	<i>Morning</i>	<i>5</i>	<i>S</i>	<i>Soil plus 4 vials</i>
<i>11</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>MET</i>
<i>1-</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>PCB</i>
<i>1-</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>PAH</i>
<i>1-</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>MET</i>
<i>1-</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>PAH</i>
<i>11</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>MET</i>
<i>11</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>Duplicate 1</i>
<i>11</i>	<i>"</i>	<i>"</i>	<i>5</i>	<i>S</i>	<i>Soil plus 4 vials</i>
<i>11</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>MET</i>
<i>1-</i>	<i>"</i>	<i>"</i>	<i>1</i>	<i>S</i>	<i>PAH</i>

Metals and Inorganics	Metal Scan	Hydride Forming Metals	Client Custom Metals	ORPs: B-HWS, Cl, CN	CR: EC, FOC, NO ₃ , NO ₂	Total N: NH ₃ , TKN	Nutrients: TP, NO ₃ , TN	NO ₂ , NO ₃ , NO ₂	Volatiles: VOC, BTEX, THM	LCME Fractions 1 to 4	ABNS	PAHs	Chlorophenols	PCBs (Total)	Organochlorine Pesticides	TCLP Metals/Inorganics	Sewer Use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Gianni Lametti *[Signature]*

Date: *2015/11/04 4:20*

Page *1* of *3*

N *T 008677*

Laboratory Use Only / LAPCC

Work Order #: _____

Cooler Quantity: _____

Arrival Temperatures: 16.1 9.9 9.8

Custody Seal Intact: Yes No

Notes: _____

Turnaround Time (TAT) Required:

Regular TAT (Rush Surcharge May Apply): 1 Business Days

Rush TAT (Rush Surcharge May Apply): 3 Business Days 2 Business Days 1 Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays

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Mississauga Ontario L4Z 1V2
Ph: 905-712-5100 Fax: 905-712-5102
www.agatlabs.com web@agatlabs.com

Regulatory Requirements: No Regulatory Requirement

Regulation 153/04 Table 1 Indicate One

Sewer Use Regulation 558

Sanitary CCIME

Storm Prov. Water Quality Objectives (PWQO)

Other _____ Indicate One

Soil Texture (Check One): Coarse Fine

Region: _____ Indicate One

is this submission for a **Certificate of Analysis**

Record of Site Condition? Yes No

AGAT Laboratories

Chain of Custody Record If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water intended for human consumption).

Report Information: Soil Probe Ltd.

Company: _____

Contact: _____

Address: See Page 1

Phone: _____ Fax: _____

Reports to be sent to:

1. Email: Soil Probe Ltd.

2. Email: John R. C. Soil Probe Ltd.

Project Information:

Project: EV1046

Site Location: 43 Milkwood Dr. S. VILLE

Sampled By: John Lametti

AGAT Quote #: 59230 PO: _____

Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Company: _____ Bill To Same: Yes No

Contact: _____

Address: See Page 1

Email: _____

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/Special Instructions
EV-1046B-1315 MW105	11/13/15	11:00	5	S	DRK/VOL
11 MW105	"	"	1	S	Mg, I
11 BW106	"	"	5	S	DRK/VOL 500 plus vials
11 BW106	"	"	1	S	MET
11 MW107	"	"	5	S	Jaw + Vials
11 BW107	"	"	5	S	Duplicate 2 vials
11 BW107	"	"	5	S	Duplicate 3 vials
11 MW107	"	"	1	S	PH
11 MW107	"	"	1	S	M&C
11 MW107	"	"	1	S	PCB

Sample Matrix Legend

B Biota
GW Ground Water
O Oil
P Paint
S Soil
SD Sediment
SW Surface Water

Matrix and Inorganic: Metals and Inorganic

Hydrate Forming Metals: _____

Client Custom Metals: _____

Organic: OPA, OPA-M, OPA-N, OPA-P, OPA-T, OPA-U, OPA-V, OPA-W, OPA-X, OPA-Y, OPA-Z

Organic: OPA, OPA-M, OPA-N, OPA-P, OPA-T, OPA-U, OPA-V, OPA-W, OPA-X, OPA-Y, OPA-Z

Nutrients: TP, NH₄, TN, NO₃, NO₂, NO₂/NO₃

Volatile: VOC, SVOC, PCE, TCE, THM

CMCME Fractions 1 to 4 / Vol

ABNS: _____

PAHS: _____

Chlorophenols: _____

PCBS: _____

TCLP Metals/Inorganics: _____

SWM USE: _____

VOCS: _____

Sample: _____ (Print)

Print Copy - Client Follow Copy - AGAT - Waste Copy - AGAT

Page 2 of 3

T008679



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 MISSISSAUGA, ONTARIO
 CANADA L4Z 1Y2
 TEL (905)712-5100
 FAX (905)712-5122
<http://www.agatlabs.com>

**CLIENT NAME: SOIL PROBE LTD.
 110 IRONSIDE CRESCENT
 SCARBOROUGH, ON M1X1M2
 (416) 754-7055**

ATTENTION TO: John Lametti

PROJECT: EV-1046

AGAT WORK ORDER: 15T011028

TRACE ORGANICS REVIEWED BY: Oksana Gushyla, Trace Organics Lab Supervisor

DATE REPORTED: Aug 31, 2015

PAGES (INCLUDING COVER): 9

VERSION*: 3

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

NOTES

VERSION 3: Sample ID "Trip Blank - Aug. 19th" (AGAT ID 6901594A) changed to Trip Blank - Aug. 12th and sampling date corrected to 08/12/2015. Report reissued on Oct. 6th 2015.

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories (V3)

Page 1 of 9

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
 Western Enviro-Agricultural Laboratory Association (WEALA)
 Environmental Services Association of Alberta (ESAA)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation.

*Results relate only to the items tested and to all the items tested
 All reportable information as specified by ISO 17025:2005 is available from AGAT Laboratories upon request*

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Certificate of Analysis

AGAT WORK ORDER: 15T011028
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY:



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-24		DATE REPORTED: 2015-08-31	
O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)			
EV-1046081915-			
SAMPLE DESCRIPTION: MW-109		Soil	
SAMPLE TYPE: Soil		6897294	
DATE SAMPLED: 8/19/2015		RDL	
Parameter	Unit	G / S	RDL
F1 (C6 to C10)	µg/g	5	<5
F1 (C6 to C10) minus BTEX	µg/g	25	<5
F2 (C10 to C16)	µg/g	10	<10
F3 (C16 to C34)	µg/g	240	<50
F4 (C34 to C50)	µg/g	120	<50
Gravimetric Heavy Hydrocarbons	µg/g	120	50 NA
Moisture Content	%	0.1	10.4
Surrogate	Unit	Acceptable Limits	
Terphenyl	%	60-140	76

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

6897294 Results are based on sample dry weight.

The C6-C10 fraction is calculated using toluene response factor.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6 - C50 results are corrected for BTEX contributions.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 + nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified without the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 15T011028
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY:



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-24		O. Reg. 153(511) - VOCs (Soil)		DATE REPORTED: 2015-08-31	
Parameter	Unit	SAMPLE DESCRIPTION: MW-109		Trip Blank -	
		G / S	RDL	Aug. 12th	Aug. 19th
Dichlorodifluoromethane	µg/g	0.05	0.05	<0.05	<0.05
Vinyl Chloride	ug/g	0.02	0.02	<0.02	<0.02
Bromomethane	ug/g	0.05	0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g	0.25	0.05	<0.05	<0.05
Acetone	ug/g	0.5	0.50	<0.50	<0.50
1,1-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05
Methylene Chloride	ug/g	0.05	0.05	<0.05	<0.05
Trans- 1,2-Dichloroethylene	ug/g	0.05	0.05	<0.05	<0.05
Methyl tert-butyl Ether	ug/g	0.05	0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g	0.05	0.02	<0.02	<0.02
Methyl Ethyl Ketone	ug/g	0.5	0.50	<0.50	<0.50
Cis- 1,2-Dichloroethylene	ug/g	0.05	0.02	<0.02	<0.02
Chloroform	ug/g	0.05	0.04	<0.04	<0.04
1,2-Dichloroethane	ug/g	0.05	0.03	<0.03	<0.03
1,1,1-Trichloroethane	ug/g	0.05	0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g	0.05	0.05	<0.05	<0.05
Benzene	ug/g	0.02	0.02	<0.02	<0.02
1,2-Dichloropropane	ug/g	0.05	0.03	<0.03	<0.03
Trichloroethylene	ug/g	0.05	0.03	<0.03	<0.03
Bromodichloromethane	ug/g	0.05	0.05	<0.05	<0.05
Methyl Isobutyl Ketone	ug/g	0.5	0.50	<0.50	<0.50
1,1,2-Trichloroethane	ug/g	0.05	0.04	<0.04	<0.04
Toluene	ug/g	0.2	0.05	<0.05	<0.05
Dibromochloromethane	ug/g	0.05	0.05	<0.05	<0.05
Ethylene Dibromide	ug/g	0.05	0.04	<0.04	<0.04
Tetrachloroethylene	ug/g	0.05	0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g	0.05	0.04	<0.04	<0.04
Chlorobenzene	ug/g	0.05	0.05	<0.05	<0.05
Ethylbenzene	ug/g	0.05	0.05	<0.05	<0.05

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 15T011028
 PROJECT: EV-1046

ATTENTION TO: John Lametti
 SAMPLED BY:



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

DATE RECEIVED: 2015-08-24		DATE REPORTED: 2015-08-31	
O. Reg. 153(511) - VOCs (Soil)			
EV-1046081915-			
SAMPLE DESCRIPTION: MW-109		Trip Blank -	
SAMPLE TYPE: Soil		Soil	
DATE SAMPLED: 8/19/2015		8/12/2015	
G / S RDL: 6897294		6901594	
Parameter	Unit	8/19/2015	8/12/2015
m & p-Xylene	ug/g	<0.05	<0.05
Bromoforn	ug/g	<0.05	<0.05
Styrene	ug/g	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g	<0.05	<0.05
o-Xylene	ug/g	<0.05	<0.05
1,3-Dichlorobenzene	ug/g	<0.05	<0.05
1,4-Dichlorobenzene	ug/g	<0.05	<0.05
1,2-Dichlorobenzene	ug/g	<0.05	<0.05
Xylene Mixture	ug/g	<0.05	<0.05
1,3-Dichloropropene	ug/g	<0.04	<0.04
n-Hexane	ug/g	<0.05	<0.05
Surrogate	Unit	Acceptable Limits	
Toluene-d8	% Recovery	50-140	105
4-Bromofluorobenzene	% Recovery	50-140	100
			128
			94

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to Table 1: Full Depth Background Site Condition Standards - Soil - Residential/Parkland/Institutional/Commercial/Community Property Use

6897294-6901595 The sample was analysed using the high level technique. The sample was extracted using methanol, a small amount of the methanol extract was diluted in water and the purge & trap GC/MS analysis was performed. Results are based on the dry weight of the soil.

Certified By:



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 FAX (905)712-5122
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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T011028

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis															
RPT Date: Aug 31, 2015			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - VOCs (Soil)															
Dichlorodifluoromethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	86%	50%	140%	99%	50%	140%	101%	50%	140%
Vinyl Chloride	6900025		< 0.02	< 0.02	0.0%	< 0.02	127%	50%	140%	112%	50%	140%	82%	50%	140%
Bromomethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	107%	50%	140%	103%	50%	140%	85%	50%	140%
Trichlorofluoromethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	111%	50%	140%	106%	50%	140%	114%	50%	140%
Acetone	6900025		< 0.50	< 0.50	0.0%	< 0.50	119%	50%	140%	105%	50%	140%	88%	50%	140%
1,1-Dichloroethylene	6900025		< 0.05	< 0.05	0.0%	< 0.05	101%	50%	140%	115%	60%	130%	85%	50%	140%
Methylene Chloride	6900025		< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	115%	60%	130%	94%	50%	140%
Trans- 1,2-Dichloroethylene	6900025		< 0.05	< 0.05	0.0%	< 0.05	105%	50%	140%	121%	60%	130%	79%	50%	140%
Methyl tert-butyl Ether	6900025		< 0.05	< 0.05	0.0%	< 0.05	105%	50%	140%	105%	60%	130%	87%	50%	140%
1,1-Dichloroethane	6900025		< 0.02	< 0.02	0.0%	< 0.02	113%	50%	140%	114%	60%	130%	84%	50%	140%
Methyl Ethyl Ketone	6900025		< 0.50	< 0.50	0.0%	< 0.50	88%	50%	140%	74%	50%	140%	80%	50%	140%
Cis- 1,2-Dichloroethylene	6900025		< 0.02	< 0.02	0.0%	< 0.02	111%	50%	140%	102%	60%	130%	70%	50%	140%
Chloroform	6900025		< 0.04	< 0.04	0.0%	< 0.04	104%	50%	140%	112%	60%	130%	73%	50%	140%
1,2-Dichloroethane	6900025		< 0.03	< 0.03	0.0%	< 0.03	120%	50%	140%	90%	60%	130%	75%	50%	140%
1,1,1-Trichloroethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	99%	50%	140%	93%	60%	130%	80%	50%	140%
Carbon Tetrachloride	6900025		< 0.05	< 0.05	0.0%	< 0.05	99%	50%	140%	83%	60%	130%	77%	50%	140%
Benzene	6900025		< 0.02	< 0.02	0.0%	< 0.02	115%	50%	140%	92%	60%	130%	72%	50%	140%
1,2-Dichloropropane	6900025		< 0.03	< 0.03	0.0%	< 0.03	112%	50%	140%	86%	60%	130%	79%	50%	140%
Trichloroethylene	6900025		< 0.03	< 0.03	0.0%	< 0.03	115%	50%	140%	88%	60%	130%	86%	50%	140%
Bromodichloromethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	77%	60%	130%	92%	50%	140%
Methyl Isobutyl Ketone	6900025		< 0.50	< 0.50	0.0%	< 0.50	95%	50%	140%	78%	50%	140%	83%	50%	140%
1,1,2-Trichloroethane	6900025		< 0.04	< 0.04	0.0%	< 0.04	108%	50%	140%	71%	60%	130%	85%	50%	140%
Toluene	6900025		< 0.05	< 0.05	0.0%	< 0.05	107%	50%	140%	85%	60%	130%	91%	50%	140%
Dibromochloromethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	105%	50%	140%	77%	60%	130%	90%	50%	140%
Ethylene Dibromide	6900025		< 0.04	< 0.04	0.0%	< 0.04	97%	50%	140%	73%	60%	130%	81%	50%	140%
Tetrachloroethylene	6900025		< 0.05	< 0.05	0.0%	< 0.05	107%	50%	140%	85%	60%	130%	91%	50%	140%
1,1,1,2-Tetrachloroethane	6900025		< 0.04	< 0.04	0.0%	< 0.04	108%	50%	140%	76%	60%	130%	72%	50%	140%
Chlorobenzene	6900025		< 0.05	< 0.05	0.0%	< 0.05	109%	50%	140%	93%	60%	130%	87%	50%	140%
Ethylbenzene	6900025		< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	94%	60%	130%	85%	50%	140%
m & p-Xylene	6900025		< 0.05	< 0.05	0.0%	< 0.05	100%	50%	140%	83%	60%	130%	88%	50%	140%
Bromoform	6900025		< 0.05	< 0.05	0.0%	< 0.05	111%	50%	140%	70%	60%	130%	70%	50%	140%
Styrene	6900025		< 0.05	< 0.05	0.0%	< 0.05	118%	50%	140%	88%	60%	130%	81%	50%	140%
1,1,2,2-Tetrachloroethane	6900025		< 0.05	< 0.05	0.0%	< 0.05	98%	50%	140%	70%	60%	130%	80%	50%	140%
o-Xylene	6900025		< 0.05	< 0.05	0.0%	< 0.05	106%	50%	140%	90%	60%	130%	85%	50%	140%
1,3-Dichlorobenzene	6900025		< 0.05	< 0.05	0.0%	< 0.05	105%	50%	140%	84%	60%	130%	85%	50%	140%
1,4-Dichlorobenzene	6900025		< 0.05	< 0.05	0.0%	< 0.05	107%	50%	140%	79%	60%	130%	84%	50%	140%
1,2-Dichlorobenzene	6900025		< 0.05	< 0.05	0.0%	< 0.05	104%	50%	140%	87%	60%	130%	80%	50%	140%
1,3-Dichloropropene	6900025		< 0.04	< 0.04	0.0%	< 0.04	103%	50%	140%	70%	60%	130%	99%	50%	140%
n-Hexane	6900025		< 0.05	< 0.05	0.0%	< 0.05	64%	50%	140%	88%	60%	130%	94%	50%	140%

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Results relate only to the items tested and to all the items tested



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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T011028

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis (Continued)															
RPT Date: Aug 31, 2015			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Soil)

F1 (C6 to C10)	6888908		< 5	< 5	0.0%	< 5	121%	60%	130%	92%	85%	115%	92%	70%	130%
F2 (C10 to C16)	6894319		< 10	< 10	0.0%	< 10	95%	60%	130%	100%	80%	120%	95%	70%	130%
F3 (C16 to C34)	6894319		< 50	< 50	0.0%	< 50	97%	60%	130%	98%	80%	120%	102%	70%	130%
F4 (C34 to C50)	6894319		< 50	< 50	0.0%	< 50	98%	60%	130%	102%	80%	120%	109%	70%	130%

Certified By: _____

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Method Summary

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T011028

PROJECT: EV-1046

ATTENTION TO: John Lametti

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
F1 (C6 to C10)	VOL-91-5009	CCME Tier 1 Method, SW846 5035	P & T GC / FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	CCME Tier 1 Method, SW846 5035	P & T GC / FID
F2 (C10 to C16)	VOL-91-5009	CCME Tier 1 Method	GC / FID
F3 (C16 to C34)	VOL-91-5009	CCME Tier 1 Method	GC / FID
F4 (C34 to C50)	VOL-91-5009	CCME Tier 1 Method	GC / FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	CCME Tier 1 Method	GRAVIMETRIC ANALYSIS
Moisture Content	VOL-91-5009	CCME Tier 1 Method, SW846 5035,8015	BALANCE
Terphenyl	VOL-91-5009		GC/FID
Dichlorodifluoromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Vinyl Chloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromomethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Acetone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methylene Chloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trans- 1,2-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl tert-butyl Ether	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Cis- 1,2-Dichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Chloroform	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Benzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Trichloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromodichloromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Toluene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Dibromochloromethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Bromoform	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Styrene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
Xylene Mixture	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
n-Hexane	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS



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Method Summary

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T011028

ATTENTION TO: John Lametti

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Toluene-d8	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5002	EPA SW-846 5035 & 8260	(P&T)GC/MS



AGAT Laboratories

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 Antioch, CA 94509-5717
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 www.agatlabs.com antioch@agatlabs.com

Chain of Custody Record If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water intended for human consumption)

Report Information:
 Company: SOIL Probe Ltd
 Contact: JOHN LAMETTI
 Address: 20-110 Ironside Gs, Toronto, ON M1X-1M2
 Phone: 416-754-7055 Fax: 754-1259
 Reports to be sent to:
 1. Email: SOILprobe.CA
 2. Email: John Lametti

Regulatory Requirements: No Regulatory Requirements
 (Please check all applicable boxes)
 Regulation 153/04 Table 1 Indicate One
 Sewer Use Regulation 558
 Sanitary CCME
 Ind/Com Prov. Water Quality Objectives (PWQO)
 Homes/Park Storm Other
 Agriculture
 Soil Texture (Check One) Region: _____ Indicate One
 Coarse Fine

Project Information:
 Project: EV-1046
 Site Location: 43 MILLWOOD
 Sampled By: JOHN LAMETTI
 AGAT Quote #: 59230 PO:
 Please note: if quotation number is not provided, client will be billed full price for analysis

Invoice Information:
 Company: _____
 Contact: _____
 Address: _____
 Email: _____
 Bill To Same: Yes No

Sample Matrix Legend

B Biota
 GW Ground Water
 O Oil
 P Paint
 S Soil
 SD Sediment
 SW Surface Water

Is this submission for a Certificate of Analysis?
 Yes No

Is this submission for a Record of Site Condition?
 Yes No

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/Specific Instructions
EV-1046081915 - BW-109	081915	1:00	5	S	
EV-1046- 081915 TRIP Blank	081915	9:00	1	S	
TRIP Blank	081915	9:00	1	S	TRIP Blank was missed, forget the package it was present during collection

Laboratory Use Only
 Work Order #: 15T011628
 Cooler Quantity: 29
 Sample Temperature: 30.7
 Custody Seal Intact: Yes No
 Notes: _____

Turnaround Time (TAT) Required:
 Regular TAT: 1-3 Business Days 4-5 to 7 Business Days
 Rush TAT (Rush Surcharges Apply):
 3 Business Days 2 Business Days 1 Business Day

OR Date Required (Rush Surcharges May Apply): _____

Please provide prior notification for rush TAT
 TAT is exclusive of weekends and statutory holidays

(Check Applicable)

<input type="checkbox"/>	Metals and Inorganics
<input type="checkbox"/>	Metal Scan
<input type="checkbox"/>	Hydride Forming Metals
<input type="checkbox"/>	Client Custom Metals
<input type="checkbox"/>	ORPs: <input type="checkbox"/> B-HWS <input type="checkbox"/> CF <input type="checkbox"/> CN
<input type="checkbox"/>	CRP <input type="checkbox"/> EC <input type="checkbox"/> FOC <input type="checkbox"/> NO ₃ /NO ₂
<input type="checkbox"/>	Total N <input type="checkbox"/> NH ₄ <input type="checkbox"/> NH ₃ <input type="checkbox"/> TKN
<input type="checkbox"/>	Nutrients: <input type="checkbox"/> TP <input type="checkbox"/> NH ₃ <input type="checkbox"/> TKN
<input type="checkbox"/>	NO ₂ <input type="checkbox"/> NO ₃ <input type="checkbox"/> NO _x
<input type="checkbox"/>	Volatiles: <input type="checkbox"/> VOC <input type="checkbox"/> SVOC <input type="checkbox"/> THM
<input checked="" type="checkbox"/>	CME Fractions 1 to 4 / VOC
<input type="checkbox"/>	PAHs
<input type="checkbox"/>	Organochlorine Pesticides
<input type="checkbox"/>	TCLP Metals/Inorganics
<input type="checkbox"/>	Sewer Use

Signature: _____ Date: Aug 20/15
 Title: _____
 Signature: _____ Date: _____
 Title: _____
 Signature: _____ Date: _____
 Title: _____

Page: _____ of _____
 No: T008681



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**CLIENT NAME: SOIL PROBE LTD.
 110 IRONSIDE CRESCENT
 SCARBOROUGH, ON M1X1M2
 (416) 754-7055**

ATTENTION TO: John Lametti

PROJECT: EV-1046

AGAT WORK ORDER: 15T016547

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

WATER ANALYSIS REVIEWED BY: Amanjot Bhela, Inorganic Coordinator

DATE REPORTED: Sep 16, 2015

PAGES (INCLUDING COVER): 12

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

***NOTES**

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 15T016547

PROJECT: EV-1046

CLIENT NAME: SOIL PROBE LTD.

SAMPLING SITE:

ATTENTION TO: John Lametti

SAMPLED BY: KK

DATE RECEIVED: 2015-09-08		DATE REPORTED: 2015-09-16	
O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Water)			
SAMPLE DESCRIPTION: EV1046-090415- MW109 MW105 MW111 EV1046-090415- EV1046-090415- EV1046-090415-			
SAMPLE TYPE: Water		Water	
DATE SAMPLED: 9/4/2015		9/4/2015	
G / S RDL		6948876 6948858 6948879	
Parameter	Unit		
F1 (C6 to C10)	µg/L	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	<25	<25
F2 (C10 to C16)	µg/L	100	<100
F3 (C16 to C34)	µg/L	100	<100
F4 (C34 to C50)	µg/L	100	<100
Gravimetric Heavy Hydrocarbons	µg/L	500	NA
Surrogate	Unit	Acceptable Limits	
Terphenyl	%	60-140	77

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

6948776-6948879 The C6-C10 fraction is calculated using Toluene response factor.

The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and nC34.

Gravimetric Heavy Hydrocarbons are not included in the Total C16 - C50 and are only determined if the chromatogram of the C34 - C50 Hydrocarbons indicated that hydrocarbons >C50 are present.

The chromatogram has returned to baseline by the retention time of nC50.

Total C6-C50 results are corrected for BTEX contributions.

This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.

nC6 and nC10 response factors are within 30% of Toluene response factor.

nC10, nC16 and nC34 response factors are within 10% of their average.

C50 response factor is within 70% of nC10 + nC16 nC34 average.

Linearity is within 15%.

Extraction and holding times were met for this sample.

Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

N. Popovitch

Certified By:

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Certificate of Analysis
 AGAT WORK ORDER: 15T016547
 PROJECT: EV-1046



CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

ATTENTION TO: John Lametti
 SAMPLED BY: KK

O. Reg. 153(511) - VOCs (Water)													
DATE RECEIVED: 2015-09-08					DATE REPORTED: 2015-09-16								
EV1046-090415- EV1046-090415- EV1046-090415- EV1046-090415-													
Parameter	Unit	SAMPLE DESCRIPTION:		MW109	MW105		MW111		Trip Blank				
		Water	Water		Water	Water	Water	Water					
		DATE SAMPLED:	RDL	G / S	DATE SAMPLED:	RDL	G / S	DATE SAMPLED:	RDL				
m & p-Xylene	µg/L	9/4/2015	0.20	6948776	9/4/2015	0.20	6948879	9/4/2015	0.20	6948918	9/4/2015	0.20	6948923
Bromoform	µg/L		0.10			<0.10			<0.10			<0.10	
Styrene	µg/L		0.10			<0.10			<0.10			<0.10	
1,1,2,2-Tetrachloroethane	µg/L		0.10			<0.10			<0.10			<0.10	
o-Xylene	µg/L		0.10			<0.10			<0.10			<0.10	
1,3-Dichlorobenzene	µg/L		0.10			<0.10			<0.10			<0.10	
1,4-Dichlorobenzene	µg/L		0.10			<0.10			<0.10			<0.10	
1,2-Dichlorobenzene	µg/L		0.10			<0.10			<0.10			<0.10	
1,3-Dichloropropene	µg/L		0.30			<0.30			<0.30			<0.30	
Xylene Mixture	µg/L		0.20			<0.20			<0.20			<0.20	
n-Hexane	µg/L		0.20			<0.20			<0.20			<0.20	
Surrogate	Unit	Acceptable Limits											
Toluene-d8	% Recovery	50-140		100	95		92	104		102			
4-Bromofluorobenzene	% Recovery	50-140		83	70		81	87		95			

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

NPopek

Certified By:

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Certificate of Analysis
 AGAT WORK ORDER: 15T016547
 PROJECT: EV-1046

CLIENT NAME: SOIL PROBE LTD.
 SAMPLING SITE:

ATTENTION TO: John Lametti
 SAMPLED BY: KK

DATE RECEIVED: 2015-09-08		DATE REPORTED: 2015-09-16			
O. Reg. 153(511) - Metals & Inorganics (Water)					
Parameter	Unit	EV1046-090415- MW109		EV1046-090415- MW111	
		G / S	RDL	G / S	RDL
Antimony	µg/L		0.5		0.5
Arsenic	µg/L		1.0		1.0
Barium	µg/L		2.0		2.0
Beryllium	µg/L		0.5		0.5
Boron	µg/L		10.0		10.0
Cadmium	µg/L		0.2		0.2
Chromium	µg/L		2.0		2.0
Cobalt	µg/L		0.5		0.5
Copper	µg/L		1.0		1.0
Lead	µg/L		0.5		0.5
Molybdenum	µg/L		0.5		0.5
Nickel	µg/L		1.0		1.0
Selenium	µg/L		1.0		1.0
Silver	µg/L		0.2		0.2
Thallium	µg/L		0.3		0.3
Uranium	µg/L		0.5		0.5
Vanadium	µg/L		0.4		0.4
Zinc	µg/L		5.0		5.0
Mercury	µg/L		0.02		0.02
Chromium VI	µg/L		5		5
Cyanide	µg/L		2		2
Sodium	µg/L		500		2500
Chloride	µg/L		200		2000
Nitrate as N	µg/L		100		1000
Nitrite as N	µg/L		100		1000
Electrical Conductivity	uS/cm		2		2
pH	pH Units		7.93		7.93

Amarjot Bhela

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 15T016547
PROJECT: EV-1046

ATTENTION TO: John Lametti
SAMPLED BY: KK



CLIENT NAME: SOIL PROBE LTD.
SAMPLING SITE:

O. Reg. 153(511) - Metals & Inorganics (Water)	DATE REPORTED: 2015-09-16
DATE RECEIVED: 2015-09-08	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to T1(All-GW)
6948776-6948879 Elevated RDL indicates the degree of dilution prior to the analysis in order to keep analyte within the calibration range of the instrument and to reduce matrix interference.

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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

AGAT WORK ORDER: 15T016547

PROJECT: EV-1046

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Trace Organics Analysis															
RPT Date: Sep 16, 2015			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Water)															
F1 (C6 to C10)	6954042		< 25	< 25	0.0%	< 25	80%	60%	140%	89%	60%	140%	89%	60%	140%
F2 (C10 to C16)	1	TW	<100	<100	0.0%	< 100	97%	60%	140%	80%	60%	140%	85%	60%	140%
F3 (C16 to C34)		TW	< 100	< 100	0.0%	< 100	98%	60%	140%	82%	60%	140%	98%	60%	140%
F4 (C34 to C50)		TW	< 100	< 100	0.0%	< 100	98%	60%	140%	70%	60%	140%	85%	60%	140%
O. Reg. 153(511) - VOCs (Water)															
Dichlorodifluoromethane	6946225		< 0.20	< 0.20	0.0%	< 0.20	81%	50%	140%	83%	50%	140%	88%	50%	140%
Vinyl Chloride	6946225		< 0.17	< 0.17	0.0%	< 0.17	110%	50%	140%	108%	50%	140%	98%	50%	140%
Bromomethane	6946225		< 0.20	< 0.20	0.0%	< 0.20	99%	50%	140%	107%	50%	140%	106%	50%	140%
Trichlorofluoromethane	6946225		< 0.40	< 0.40	0.0%	< 0.40	107%	50%	140%	95%	50%	140%	92%	50%	140%
Acetone	6946225		< 1.0	< 1.0	0.0%	< 1.0	116%	50%	140%	112%	50%	140%	107%	50%	140%
1,1-Dichloroethylene	6946225		< 0.30	< 0.30	0.0%	< 0.30	95%	50%	140%	97%	60%	130%	94%	50%	140%
Methylene Chloride	6946225		< 0.30	< 0.30	0.0%	< 0.30	112%	50%	140%	120%	60%	130%	110%	50%	140%
trans- 1,2-Dichloroethylene	6946225		< 0.20	< 0.20	0.0%	< 0.20	90%	50%	140%	96%	60%	130%	92%	50%	140%
Methyl tert-butyl ether	6946225		< 0.20	< 0.20	0.0%	< 0.20	91%	50%	140%	96%	60%	130%	89%	50%	140%
1,1-Dichloroethane	6946225		< 0.30	< 0.30	0.0%	< 0.30	93%	50%	140%	99%	60%	130%	92%	50%	140%
Methyl Ethyl Ketone	6946225		< 1.0	< 1.0	0.0%	< 1.0	118%	50%	140%	115%	50%	140%	116%	50%	140%
cis- 1,2-Dichloroethylene	6946225		< 0.20	< 0.20	0.0%	< 0.20	100%	50%	140%	109%	60%	130%	115%	50%	140%
Chloroform	6946225		< 0.20	< 0.20	0.0%	< 0.20	101%	50%	140%	115%	60%	130%	99%	50%	140%
1,2-Dichloroethane	6946225		< 0.20	< 0.20	0.0%	< 0.20	101%	50%	140%	100%	60%	130%	113%	50%	140%
1,1,1-Trichloroethane	6946225		< 0.30	< 0.30	0.0%	< 0.30	85%	50%	140%	100%	60%	130%	88%	50%	140%
Carbon Tetrachloride	6946225		< 0.20	< 0.20	0.0%	< 0.20	82%	50%	140%	95%	60%	130%	92%	50%	140%
Benzene	6946225		< 0.20	< 0.20	0.0%	< 0.20	96%	50%	140%	99%	60%	130%	102%	50%	140%
1,2-Dichloropropane	6946225		< 0.20	< 0.20	0.0%	< 0.20	92%	50%	140%	102%	60%	130%	100%	50%	140%
Trichloroethylene	6946225		< 0.20	< 0.20	0.0%	< 0.20	92%	50%	140%	95%	60%	130%	90%	50%	140%
Bromodichloromethane	6946225		< 0.20	< 0.20	0.0%	< 0.20	87%	50%	140%	91%	60%	130%	96%	50%	140%
Methyl Isobutyl Ketone	6946225		< 1.0	< 1.0	0.0%	< 1.0	93%	50%	140%	86%	50%	140%	95%	50%	140%
1,1,2-Trichloroethane	6946225		< 0.20	< 0.20	0.0%	< 0.20	114%	50%	140%	106%	60%	130%	110%	50%	140%
Toluene	6946225		< 0.20	< 0.20	0.0%	< 0.20	103%	50%	140%	110%	60%	130%	105%	50%	140%
Dibromochloromethane	6946225		< 0.10	< 0.10	0.0%	< 0.10	90%	50%	140%	90%	60%	130%	92%	50%	140%
Ethylene Dibromide	6946225		< 0.10	< 0.10	0.0%	< 0.10	101%	50%	140%	95%	60%	130%	101%	50%	140%
Tetrachloroethylene	6946225		< 0.20	< 0.20	0.0%	< 0.20	101%	50%	140%	107%	60%	130%	103%	50%	140%
1,1,1,2-Tetrachloroethane	6946225		< 0.10	< 0.10	0.0%	< 0.10	118%	50%	140%	108%	60%	130%	99%	50%	140%
Chlorobenzene	6946225		< 0.10	< 0.10	0.0%	< 0.10	100%	50%	140%	104%	60%	130%	107%	50%	140%
Ethylbenzene	6946225		< 0.10	< 0.10	0.0%	< 0.10	91%	50%	140%	98%	60%	130%	95%	50%	140%
m & p-Xylene	6946225		< 0.20	< 0.20	0.0%	< 0.20	95%	50%	140%	100%	60%	130%	96%	50%	140%
Bromoform	6946225		< 0.10	< 0.10	0.0%	< 0.10	101%	50%	140%	84%	60%	130%	89%	50%	140%
Styrene	6946225		< 0.10	< 0.10	0.0%	< 0.10	83%	50%	140%	86%	60%	130%	80%	50%	140%
1,1,2,2-Tetrachloroethane	6946225		< 0.10	< 0.10	0.0%	< 0.10	114%	50%	140%	121%	60%	130%	126%	50%	140%
o-Xylene	6946225		< 0.10	< 0.10	0.0%	< 0.10	100%	50%	140%	105%	60%	130%	98%	50%	140%

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation.

Results relate only to the items tested and to all the items tested



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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T016547

ATTENTION TO: John Lametti

SAMPLED BY:KK

Trace Organics Analysis (Continued)

RPT Date: Sep 16, 2015															
PARAMETER	Batch	Sample Id	DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
			Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	6946225		< 0.10	< 0.10	0.0%	< 0.10	93%	50%	140%	92%	60%	130%	93%	50%	140%
1,4-Dichlorobenzene	6946225		< 0.10	< 0.10	0.0%	< 0.10	97%	50%	140%	96%	60%	130%	98%	50%	140%
1,2-Dichlorobenzene	6946225		< 0.10	< 0.10	0.0%	< 0.10	97%	50%	140%	95%	60%	130%	98%	50%	140%
1,3-Dichloropropene	6946225		< 0.30	< 0.30	0.0%	< 0.30	85%	50%	140%	82%	60%	130%	98%	50%	140%
n-Hexane	6946225		< 0.20	< 0.20	0.0%	< 0.20	88%	50%	140%	100%	60%	130%	84%	50%	140%

Certified By: *N. Popovkolef*

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Results relate only to the items tested and to all the items tested



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Quality Assurance

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T016547

ATTENTION TO: John Lametti

SAMPLED BY:KK

Water Analysis																
RPT Date: Sep 16, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
O. Reg. 153(511) - Metals & Inorganics (Water)																
Antimony	6948776	6948776	<0.5	<0.5	0.0%	< 0.5	104%	70%	130%	103%	80%	120%	106%	70%	130%	
Arsenic	6948776	6948776	<1.0	<1.0	0.0%	< 1.0	100%	70%	130%	111%	80%	120%	103%	70%	130%	
Barium	6948776	6948776	75.5	74.9	0.8%	< 2.0	96%	70%	130%	98%	80%	120%	106%	70%	130%	
Beryllium	6948776	6948776	<0.5	<0.5	0.0%	< 0.5	108%	70%	130%	110%	80%	120%	92%	70%	130%	
Boron	6948776	6948776	26.3	24.6	6.7%	< 10.0	97%	70%	130%	100%	80%	120%	93%	70%	130%	
Cadmium	6948776	6948776	<0.2	<0.2	0.0%	< 0.2	100%	70%	130%	109%	80%	120%	114%	70%	130%	
Chromium	6948776	6948776	<2.0	<2.0	0.0%	< 2.0	103%	70%	130%	102%	80%	120%	103%	70%	130%	
Cobalt	6948776	6948776	<0.5	<0.5	0.0%	< 0.5	100%	70%	130%	108%	80%	120%	105%	70%	130%	
Copper	6948776	6948776	1.3	1.1	16.7%	< 1.0	104%	70%	130%	108%	80%	120%	105%	70%	130%	
Lead	6948776	6948776	<0.5	<0.5	0.0%	< 0.5	103%	70%	130%	106%	80%	120%	93%	70%	130%	
Molybdenum	6948776	6948776	3.2	3.2	0.0%	< 0.5	99%	70%	130%	100%	80%	120%	105%	70%	130%	
Nickel	6948776	6948776	<1.0	<1.0	0.0%	< 1.0	101%	70%	130%	106%	80%	120%	102%	70%	130%	
Selenium	6948776	6948776	<1.0	2.1	0.0%	< 1.0	103%	70%	130%	109%	80%	120%	102%	70%	130%	
Silver	6948776	6948776	<0.2	<0.2	0.0%	< 0.2	103%	70%	130%	108%	80%	120%	110%	70%	130%	
Thallium	6948776	6948776	<0.3	<0.3	0.0%	< 0.3	104%	70%	130%	99%	80%	120%	94%	70%	130%	
Uranium	6948776	6948776	2.0	1.9	5.1%	< 0.5	103%	70%	130%	97%	80%	120%	100%	70%	130%	
Vanadium	6948776	6948776	1.6	1.6	0.0%	< 0.4	97%	70%	130%	109%	80%	120%	107%	70%	130%	
Zinc	6948776	6948776	6.4	5.3	18.8%	< 5.0	106%	70%	130%	109%	80%	120%	100%	70%	130%	
Mercury	6952314		<0.02	<0.02	0.0%	< 0.02	102%	70%	130%	104%	80%	120%	103%	70%	130%	
Chromium VI	6959539		<5	<5	0.0%	< 5	96%	70%	130%	97%	80%	120%	97%	70%	130%	
Cyanide	6949377		<2	<2	0.0%	< 2	97%	70%	130%	105%	80%	120%	104%	70%	130%	
Sodium	6951972		19500	19400	0.5%	< 500	102%	70%	130%	101%	80%	120%	99%	70%	130%	
Chloride	6949770		228000	227000	0.4%	< 100	97%	70%	130%	102%	70%	130%	83%	70%	130%	
Nitrate as N	6949770		287	264	8.3%	< 50	91%	70%	130%	103%	70%	130%	116%	70%	130%	
Nitrite as N	6949770		<250	<250	0.0%	< 50	NA	70%	130%	105%	70%	130%	90%	70%	130%	
Electrical Conductivity	6945112		652	651	0.2%	< 2	106%	90%	110%	NA			NA			
pH	6945112		7.87	7.89	0.3%	NA	100%	90%	110%	NA			NA			

Comments: NA signifies Not Applicable.

Certified By:

Amanjot Bhela



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Method Summary

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T016547

ATTENTION TO: John Lametti

SAMPLED BY:KK

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
F1 (C6 to C10)	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F2 (C10 to C16)	VOL-91-5010	MOE PHC E3421	GC / FID
F3 (C16 to C34)	VOL-91-5010	MOE PHC E3421	GC / FID
F4 (C34 to C50)	VOL-91-5010	MOE PHC E3421	GC / FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	MOE PHC E3421	BALANCE
Terphenyl	VOL-91-5010		GC/FID
Dichlorodifluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromomethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Acetone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chloroform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Benzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromoform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Styrene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Xylene Mixture	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
n-Hexane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS



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Method Summary

CLIENT NAME: SOIL PROBE LTD.

PROJECT: EV-1046

SAMPLING SITE:

AGAT WORK ORDER: 15T016547

ATTENTION TO: John Lametti

SAMPLED BY:KK

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Antimony	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Arsenic	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Barium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Beryllium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Boron	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cadmium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Chromium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cobalt	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Copper	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Lead	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Molybdenum	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Nickel	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Selenium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Silver	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Thallium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Uranium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Vanadium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Zinc	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Mercury	MET-93-6100	EPA SW-846 7470 & 245.1	CVAAS
Chromium VI	INOR-93-6034	SM 3500-Cr B	SPECTROPHOTOMETER
Cyanide	INOR-93-6052	MOE METHOD CN- 3015 & SM 4500 CN- I	TECHNICON AUTO ANALYZER
Sodium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Chloride	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Nitrate as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	SM 4500-H+ B	PC TITRATE

Laboratory Use Only
 Work Order # 15T016547
 Cooler Quantity: _____
 Arrival Temperatures: 37 39 40
 Custody Seal Intact: ON ICE
 Notes: ON ICE

REGS CONSULTING
 14355 KINGS HIGHWAY, SUITE 100
 PH: 905.712.5100 FAX: 905.742.5122
 www.agatlabs.com web@agatlabs.com

AGAT Laboratories
 52-12
Chain of Custody Record
 If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water intended for human consumption)

Regulatory Requirements: No Regulatory Requirement
 Regulation 153/04
 Sewer Use
 Sanitary
 Storm
 Regulation 558
 CCME
 Prov. Water Quality Objectives (PWQO)
 Other
 Indicate One

Report Information:
 Company: Soil Probe Ltd
 Contact: 20110 Ironside Crescent
 Address: Toronto, ON
 Phone: 416-754-7055
 Reports to be sent to: www.soilprobe.ca
 1. Email: John@soilprobe.ca
 2. Email: _____

Project Information:
 Project: EV-1C4G
 Site Location: 43 MILLWOOD ROAD
 Sampled By: KEN KAVESANTHAN
 AGAT Quote #: _____
 Please provide GASTROPHONE number and date and time for pickup for analysis.

Turnaround Time (TAT) Required:
Regular TAT (Rush Surcharges Apply)
 3 Business Days
 2 Business Days
 1 Business Day
Rush TAT
 7 Business Days

Report Guideline on Certificate of Analysis
 Yes No

Invoice Information:
 Company: _____
 Contact: _____
 Address: _____
 Email: _____
 Bill To Same: Yes No

OR Date Required (Rush Surcharges Apply):
 Please provide prior notification for rush TAT
 *TAT is exclusive of weekends and statutory holidays

Sample Matrix Legend
 B Biota
 GW Ground Water
 O Oil
 P Paint
 S Soil
 SD Sediment
 SW Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions
EV1046-090415-MW1015-89/2015				GW	METALS
EV1046-090415-MW1015				GW	Iron, Lead, Cadmium
EV1046-090415-MW1015				GW	Field Filtered
Duplicate				GW	Added milled

Volatiles: VOC BTEX THM
 NO₂ NO_x NH₃ TKN
 FORMAL HCN SVOC
 ORP: B-HWS Cl CN
 Client Custom Metals
 Hydride Forming Metals
 Metal Scan
 Metals and Inorganics
 ABNS
 PAHS
 Chlorophenols
 PCBs
 Organochlorine Pesticides
 TCLP Metals/Inorganics
 Sewer Use

Record of Site Condition?
 Yes No

Is this submission for a Certificate of Analysis?
 Yes No

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions
EV1046-090415-MW1015-89/2015				GW	METALS
EV1046-090415-MW1015				GW	Iron, Lead, Cadmium
EV1046-090415-MW1015				GW	Field Filtered
Duplicate				GW	Added milled

DATE: 5/24/2015 6:05
 TIME: 18:45
 ANALYST: [Signature]
 CHECKED BY: [Signature]
 PREPARED BY: [Signature]
 DATE: 5/27/2015
 TIME: 17:30
 ANALYST: [Signature]
 CHECKED BY: [Signature]
 PREPARED BY: [Signature]



Report No.: 2015-27692 | File No.EV-1046
Toronto Lands Corporation

APPENDIX C
Qualifications of Environmental Assessors



QUALIFICATIONS OF ENVIRONMENTAL ASSESSORS

John Lametti is an Associate Environmental Engineer, a Professional Engineer (P.Eng.) and a Qualified Person (QP). Mr. Lametti has over 30 years of experience in the environmental consulting industry, and has managed several major Phase I/One and Phase II/Two Environmental Site Assessment and RSC submission portfolios for clients in the Greater Toronto Area.

Mr. Lametti has also managed remediation projects including but not limited to bioremediation, various insitu programs, off-site removal, design, innovative technology and strategy implementation, insurance projects, PCB removal, soil investigations, ground water investigations, tank removals and design of sub-floor venting systems.

Mr. Lametti is known for maintaining high levels of communication between contractors, clients, and other stakeholders. His skills in solving environmental problems with practical solutions that deliver both value and efficiency have been refined on projects across North America, South America, and Asia.



"Appendix D"

Typical Scope of Work – Geotechnical and Environmental

For Capital projects the awarded architect would request a geotechnical and environmental report from TDSB to review with their consultants. The number of boreholes is dependent on the nature of the site/land and the design of the school. Environmental assessments are generally independent to the requirements of a geotechnical investigation. Both reports are required for the architect, sub-consultant, structural/foundation design engineer to prepare the tender documents and building permit.

Phase I and II Environmental Site Assessment (ESA) are usually done for due diligence purposes to determine environmental risks. The work is conducted or reviewed by Professional Engineers or Professional Geo-Scientists (P. GEO) who are Qualified Persons (QPs).

A contractor who is bidding on the project needs to know in advance if the soils and groundwater are contaminated or not. Sub-surface structures may interfere with construction and must be known in advance.

A Phase I ESA report requires the review of various sources of data that include fire insurance plans, chain of title, aerial photography, operating records onsite and offsite, topographic, hydrogeology, geological maps, and site reconnaissance. This data forms the basis for identifying areas of potential contaminated activities and various potential environmental concerns from the past and present. Following the above, a formal report with a conclusion and recommendations determine whether a Phase II is required.

A Phase II ESA report will include the conclusions and recommendations from the Phase I ESA. The position and placement of the boreholes or monitoring wells are based upon the finding of the Phase I ESA. This intrusive investigation involves the installation of borehole and monitoring wells for the purpose of collecting soil and groundwater for analysis.

In Summary, a Phase II provides a better understanding of the surface and sub-surface condition of the land, including ground water and structures in, on, and under the property at a point in time. Under no circumstance is it a "guarantee" of the environmental state of the property. At best, it can reduce the risk of contamination being present, but much depends on the nature, extent, and locations of the investigations made and samples taken.

Based on the recommendation made in the Phase II ESA, a further investigation and or remediation may be required before or during construction. A cost estimate would need to be developed to define actual and potential risks.



Our Mission

To enable all students to reach high levels of achievement and well-being and to acquire the knowledge, skills and values they need to become responsible, contributing members of a democratic and sustainable society.

We Value

- Each and every student's interests, strengths, passions, identities and needs
- A strong public education system
- A partnership of students, staff, family and community
- Shared leadership that builds trust, supports effective practices and enhances high expectations
- The diversity of our students, staff and our community
- The commitment and skills of our staff
- Equity, innovation, accountability and accessibility
- Learning and working spaces that are inclusive, caring, safe, respectful and environmentally sustainable

Our Goals

Transform Student Learning

We will have high expectations for all students and provide positive, supportive learning environments. On a foundation of literacy and math, students will deal with issues such as environmental sustainability, poverty and social justice to develop compassion, empathy and problem solving skills. Students will develop an understanding of technology and the ability to build healthy relationships.

Create a Culture for Student and Staff Well-Being

We will build positive school cultures and workplaces where mental health and well-being is a priority for all staff and students. Teachers will be provided with professional learning opportunities and the tools necessary to effectively support students, schools and communities.

Provide Equity of Access to Learning Opportunities for All Students

We will ensure that all schools offer a wide range of programming that reflects the voices, choices, abilities, identities and experiences of students. We will continually review policies, procedures and practices to ensure that they promote equity, inclusion and human rights practices and enhance learning opportunities for all students.

Allocate Human and Financial Resources Strategically to Support Student Needs

We will allocate resources, renew schools, improve services and remove barriers and biases to support student achievement and accommodate the different needs of students, staff and the community.

Build Strong Relationships and Partnerships Within School Communities to Support Student Learning and Well-Being

We will strengthen relationships and continue to build partnerships among students, staff, families and communities that support student needs and improve learning and well-being. We will continue to create an environment where every voice is welcomed and has influence.

Acknowledgement of Traditional Lands

We acknowledge we are hosted on the lands of the Mississaugas of the Anishinaabe (A NISH NA BEE), the Haudenosaunee (HOE DENA SHOW NEE) Confederacy and the Wendat. We also recognize the enduring presence of all First Nations, Métis and Inuit peoples.

Reconnaissance des terres traditionnelles

Nous reconnaissons que nous sommes accueillis sur les terres des Mississaugas des Anichinabés (A NISH NA BAY), de la Confédération Haudenosaunee (HOE DENA SHOW NEE) et du Wendat. Nous voulons également reconnaître la pérennité de la présence des Premières Nations, des Métis et des Inuit."

Committee Mandate

- (i) To consider and make recommendations to the Board on finance matters, including procurement and contract awards, referred to it for consideration.
- (ii) To review the impact of enrolment and policy change on the Board's budget, including reviewing the impact of enrolment trends, and marketing strategies to bolster enrolment in declining areas of the city; and
- (iii) To consider strategies to balance the capital and operating budget over a multi-year period, and to make recommendations to the Board to balance the annual capital and operating budget.