Terraprobe
Consulting Geotechnical & Environmental Engineering
Construction Materials Engineering, Inspection & Testing

October 24, 2023

File No. 02209049
Brampton Office

Ontario Infrastructure and Lands Corporation (IO)
1 Dundas Street West
Toronto, ON
M5G 1Z3

Attention: Mr. Nick Cole

RE: UPDATED SOIL QUALITY ASSESSMENT
J.J. O'NEILL CATHOLIC ELEMENTARY SCHOOL ADDITION
240 MARILYN AVENUE, NAPANEE, ONTARIO

Dear Mr. Cole

Terraprobe Inc. (Terraprobe) was retained by Ontario Infrastructure and Lands Corporation (IO) to collect soil samples at the subject property for soil characterization for off-site disposal purposes. The soil samples were collected as part of Phase Two Environmental Site Assessment (ESA) and Updated Phase Two ESA completed at the property.

1.0 Project Description

The Property is roughly "L" shaped and covers an area of approximately 4.7 ha (11 acres). The Property is currently developed with an elementary school building. Asphaltic parking lots and driveways surround the building which is situated in the northern half of the Property. It is understood that the proposed development on the Property will include the construction of an addition to the current school building on the Property and will have a floor area of approximately 0.38 ha (0.94 acres). As part of the proposed addition to the Property, excess soil may be generated, requiring off-site removal. The work associated with this investigation is to provide an understanding of the environmental quality of the soil as part of the site development.

Twenty-one (21) soil samples (including QA/QC samples) were collected through December 2022 and January 2023 during drilling of boreholes for the geotechnical subsurface investigation completed on the Property by Terraprobe. Additionally, fifteen (15) hand-auger soil samples (including QA/QC samples) were collected during May 2023 to further investigate the soil quality. The soil samples consisted of fill material and native soil; the fill material extended to depths of 0.8 to 1.5 m below ground surface (mbgs)

and comprised of clayey silt/silty sand with trace amounts of gravel as well as organics. The native soil extended to depths varying from 2.7 to 4.0 mbgs and comprised of a clayey silt to silty clay layer.

The report includes the data obtained from the investigation conducted by Terraprobe Inc.

The Property location is presented in **Figure 1**. The sampling locations are presented in **Figure 2**.

2.0 Applicable Guidelines

On December 4, 2019, the Ministry of the Environment, Conservation and Parks (MECP) implemented a regulation governing the sustainable reuse of excess soil in the province (O. Reg. 406/19) and implemented Ontario Regulation 407/19 (O. Reg. 407/19), which amended Ontario Regulation 153/04 (O. Reg. 153/04). Starting January 2021 and into 2025, there will be gradual adoption of their various components to allow a transition period for the existing projects and new or planned projects.

O. Reg.153/04 provides a series of tables which have specific Land Use Standards for the allowable concentrations of Contaminants of Potential Concern (COPCs). Those Land Use Standards include but are not limited to:

- *Table 1 Full Depth Background Site Condition Standards for Residential, Parkland, Institutional, Industrial, Commercial and Community Property Use* (MECP Table 1 RPI / ICC). This table generally represents the most stringent quality criteria and is intended for use at sensitive sites. Sensitive sites are generally sites which are found within 30 m of an important natural feature such as a water body, environmentally-sensitive area, or the like. Table 1, excluding the standards for Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR), is frequently used as the acceptance criteria for clean fill sites.

- *Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Property Use, Coarse Grained* (MECP Table 2 RPI). This table represents the soil quality standards that are acceptable for use in areas where ground water is used for water supply purposes (i.e., water is obtained from wells) and, in some cases, in Intake Protection Zones for water supplies drawn from surface water.

- *Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Residential, Parkland and Institutional Property Use, Coarse Grained* (MECP Table 3 RPI). This table applies in areas where ground water is not used for drinking and/or agricultural water supply. Soil failing to meet the Table 3 RPI is generally handled as a waste.

It should be noted that the site application standards are *Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Property Use, Medium to Fine Textured Soil* (MECP Table 2 RPI MFT).

O. Reg. 406/19 also provides a series of tables which have specific standards for the allowable concentrations of COPCs. Those Land Use Standards are volume based when exceeding 350 m^3, and include but are not limited to:

- *Table 2.1 Full Depth Excess Soil Quality Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Property Use* (Table 2.1 RPI). Table 2.1 RPI represents the soil quality standards that are acceptable for use in areas where the ground water is used for water supply purposes (i.e., water is obtained from wells).

- *Table 3.1 Full Depth Excess Soil Quality Standards in a Non-Potable Ground Water Condition for Residential, Parkland and Institutional Property Use* (Table 3.1 RPI) applies in areas where ground water is not used for drinking water supply.

3.0 Contaminants of Potential Concern (COPCs)

Terraprobe completed a Phase One Environmental Site Assessment (ESA) for the Property. The findings are provided in a report entitled "*Phase One Environmental Site Assessment, J. J. O Neil Catholic School Addition, 240 Marilyn Avenue, Napanee, Ontario",* dated February 2023. The COPCs assessed as part of this soil quality assessment were selected based on the findings of the Phase One ESA, which identified the following COPCs:

- Polychlorinated Biphenyls (PCBs)

To provide a more comprehensive understanding as to the environmental quality of the soil, samples were also assessed for the following parameter:

- Polycyclic Aromatic Hydrocarbons (PAHs)
- Metals (M)
- Metals, Hydride-Forming As, Se, and Sb (H-M)
- Petroleum Hydrocarbons (PHCs)
- Volatile Organic Compounds I (VOCs)
- Volatile Organic Compounds II: Benzene, Toluene, Ethylbenzene, Xylene (BTEX)
- Other Regulated Parameters (ORPs)
    - Boron Hot Water Soluble (B-HWS)
    - Cyanide
    - Electrical Conductivity (EC)
    - Hexavalent Chromium
    - Mercury
    - pH
    - Sodium Adsorption Ratio (SAR)

4.0 O. Reg. 406/19 Soil Sampling and Analysis

At this time the volume of soil that will be generated requiring off-site removal is not known, but the following rules will apply for the number of samples that are required to be collected when using an in-situ sampling approach as per O. Reg 406/19.

- A minimum of three (3) in-situ samples shall be analyzed if less than 600 m^3 of soil will be excavated;
- If more than 600 cubic meters of soil will be excavated, at least one (1) in-situ soil sample shall be analyzed for each 200 cubic meters of soil for the first 10,000 cubic meters of soil to be excavated;
- At least one (1) in-situ soil sample shall be analyzed for each additional 450 cubic meters after the first 10,000 cubic meters of soil to be excavated;
- At least one (1) in-situ soil sample shall be analyzed for each additional 2000 cubic meters after the first 40,000 cubic meters of soil to be excavated; and
- A minimum of three soil samples must be submitted for Synthetic Precipitation Leaching Procedure (SPLP) analysis if less than 600 m^3 of soil will be excavated, unless the qualified person can provide a rationale regarding why SPLP analysis is not necessary in order to meet the general and specific objectives of the excess soil characterization.

As part of this soil quality assessment, three (3) preliminary samples were collected and assessed for SPLP analysis for the following parameters:

- SPLP VOCs
- SPLP Metals

5.0 O. Reg 558 Soil Sampling and Analysis

In addition to the analyses noted in Sections 3.0 and 4.0, as part of this soil quality assessment one (1) sample was submitted for analysis of O. Reg. 347 Schedule 4 parameters for Toxicity Characteristic Leaching Procedure (TCLP) analysis for waste classification purposes. The analysis was conducted for the following parameters:

- Benzo(a)pyrene (BaP)
- Metals & Inorganics (M&I)
- Volatile Organic Compounds (VOCs)
- Polychlorinated Biphenyls (PCBs)

6.0 Chemical Analysis

Twenty-one (21) soil samples were collected and submitted to a Canadian Association for Laboratory Accreditation (CALA) certified lab (AGAT Labs) through December and February 2023. Additionally, fifteen (15) hand auger soil samples were submitted for analysis in May 2023. Select soil samples were submitted for the parameters noted in Sections 3.0, 4.0, and 5.0. The table below provides a summary of the soil samples that were submitted for analysis and the respective parameters assessed.

Sample Identification	Sample Depth		Chemical Analysis													
	mbgs	masl	Metals	Metals – HF	Cr (VI)	Hg	B-HWS	CN-	EC	SAR	pH	PAHs	PCBs	PHCs	BTEX	VOCs
BH1																
SS1	0-0.61	95.5-94.89	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SS4	2.23-2.9	93.27-92.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
BH2																
SS1	0-0.61	95.5-94.89	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
SS3	1.52-2.13	93.98-93.37	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
BH3																
SS1	0-0.61	95.1-94.49	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SS3	1.52-2.13	93.58-92.97	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
BH4																
SS1	0-0.61	95.1-94.49	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH5																
SS1	0-0.61	95.3-94.69	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SS3	1.52-2.13	93.78-93.17	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
BH6																
SS1	0-0.61	95.2-94.59	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SS4	2.23-2.9	92.97-92.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
BH7																
SS1	0-0.61	94.9-94.29	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DUP-1	0-0.61	94.9-94.29	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH8																
SS1	0-0.61	94.5-93.89	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH10																
SS1	0-0.61	94.5-93.89	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
BH11																
SS1	0-0.61	94.3-93.69	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓
DUP-2	0-0.61	94.3-93.69	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Additional Investigation May 2023																
Hand Auger Samples																
AS01	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
DUP1	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS02	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-

Sample Identification	Sample Depth		Chemical Analysis													
	mbgs	masl	Metals	Metals – HF	Cr (VI)	Hg	B-HWS	CN-	EC	SAR	pH	PAHs	PCBs	PHCs	BTEX	VOCs
AS03	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS04	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS05	0.7-1.0	93.6-93.3	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
DUP2	0.7-1.0	93.6-93.3	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS06	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS07	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS08	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS09	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS10	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS11	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS12	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
AS13	0.0-0.3	94.3-94.0	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-

SPLP Samples

Sample Identification	mbgs	masl	SPLP Metals	SPLP VOCs
BH7-SS1	0-0.61	94.9-94.29	✓	✓
BH10-SS1	0-0.61	94.5-93.89	✓	✓
BH11-SS1	0-0.61	94.3-93.69	✓	✓

TCLP Sample

Sample Identification	BaP	M&I	VOCs	PCBs
TCLP	✓	✓	✓	✓

Notes:

✓- Soil Sample Submitted for Analysis

- - Soil Sample Not Submitted for Respective Parameter

Mbgs – Meters Below Ground Surface

Masl – Meters Above Sea Level

7.0 Soil Quality Results

7.1 Comparison to O. Reg. 153/04 Standards

The results of the chemical analysis compared against O. Reg. 153/04 Standards detailed in Section 2.0 are summarized in the table below:

Sample Identification	Sample Depth		Guideline Standard		
	mbgs	masl	Table 1 RPIICC Standards	Table 2 RPI Standards	Table 3 RPI Standards
BH1					
SS1	0-0.61	95.5-94.89	Exceeds (Metals - Barium)	Meets	Meets
SS4	2.23-2.9	93.27-92.6	Exceeds (Metals - Barium)	Meets	Meets
BH2					
SS1	0-0.61	95.5-94.89	Exceeds (Metals - Barium)	Meets	Meets
SS3	1.52-2.13	93.98-93.37	Meets	Meets	Meets
BH3					
SS1	0-0.61	95.1-94.49	Exceeds (Metals - Barium)	Meets	Meets
SS3	1.52-2.13	93.58-92.97	Meets	Meets	Meets
BH4					
SS1	0-0.61	95.1-94.49	Meets	Meets	Meets
BH5					
SS1	0-0.61	95.3-94.69	Exceeds (Metals - Barium)	Meets	Meets
SS3	1.52-2.13	93.78-93.17	Meets	Meets	Meets
BH6					
SS1	0-0.61	95.2-94.59	Exceeds (PHCs)	Exceeds (PHCs)	Exceeds (PHCs)
SS4	2.23-2.9	92.97-92.3	Meets	Meets	Meets
BH7					
SS1	0-0.61	94.9-94.29	Exceeds (Metals - Barium)	Meets	Meets
DUP-1	0-0.61	94.9-94.29	Exceeds (Metals - Barium)	Meets	Meets
BH8					
SS1	0-0.61	94.5-93.89	Exceeds (Metals - Barium)	Meets	Meets
BH10					
SS1	3.05-3.66	94.5-93.89	Meets	Meets	Meets
BH11					
SS1	0-0.61	94.3-93.69	Exceeds (Metals – Barium, Cobalt)	Exceeds (Metals – Cobalt)	Exceeds (Metals – Cobalt)
DUP-2	0-0.61	94.3-93.69	Exceeds (Metals – Barium, Cobalt, Vanadium)	Exceeds (Metals – Barium, Cobalt, Vanadium)	Exceeds (Metals – Barium, Cobalt, Vanadium)
Additional Investigation May 2023					
Hand Auger Samples					
AS01	0.0-0.3	94.3-94.0	Meets	Meets	Meets
DUP1	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS02	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS03	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets

Sample Identification	Sample Depth		Guideline Standard		
	mbgs	masl	Table 1 RPIICC Standards	Table 2 RPI Standards	Table 3 RPI Standards
AS04	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS05	0.7-1.0	93.6-93.3	Meets	Meets	Meets
DUP2	0.7-1.0	93.6-93.3	Exceeds (Metals – Barium, Molybdenum)	Meets	Meets
AS06	0.0-0.3	94.3-94.0	Exceeds (Metals – Barium. Cobalt)	Exceeds (Metals - Cobalt)	Exceeds (Metals - Cobalt)
AS07	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS08	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS09	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS10	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS11	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS12	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets
AS13	0.0-0.3	94.3-94.0	Exceeds (Metals - Barium)	Meets	Meets

Notes:
Mbgs – Meters Below Ground Surface
Masl – Meters Above Sea Level

As noted in Section 2.0, the site application standards are *Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Residential, Parkland and Institutional Property Use, Medium to Fine Textured Soil* (MECP Table 2 RPI MFT). When compared to Table 2 RPI Medium-Fine Textured Soils, the exceedance of Metals such as, Cobalt, Barium, and Vanadium is observed. However, no PHC exceedance was observed when compared to Table 2 RPI MFT soil standards.

7.2 Comparison to O. Reg. 406/19 Standards

The results of the chemical analysis compared against O. Reg. 406/19 Standards detailed in Section 2.0 are summarized in the table below:

Sample Identification	Sample Depth		Guideline Standard	
	mbgs	masl	Table 2.1 RPI	Table 3.1 RPI
BH1				
SS1	0-0.61	95.5-94.89	Exceeds (Metals - Barium)	Meets
SS4	2.23-2.9	93.27-92.6	Exceeds (Metals - Barium)	Meets
BH2				
SS1	0-0.61	95.5-94.89	Exceeds (Metals - Barium)	Meets
SS3	1.52-2.13	93.98-93.37	Meets	Meets
BH3				
SS1	0-0.61	95.1-94.49	Exceeds (Metals - Barium)	Meets
SS3	1.52-2.13	93.58-92.97	Meets	Meets
BH4				
SS1	0-0.61	95.1-94.49	Meets	Meets
BH5				
SS1	0-0.61	95.3-94.69	Exceeds (Metals - Barium)	Meets
SS3	1.52-2.13	93.78-93.17	Meets	Meets
BH6				
SS1	0-0.61	95.2-94.59	Exceeds (PHCs)	Exceeds (PHCs)
SS4	2.23-2.9	92.97-92.3	Meets	Meets
BH7				
SS1	0-0.61	94.9-94.29	Exceeds (Metals - Barium)	Meets
DUP-1	0-0.61	94.9-94.29	Exceeds (Metals - Barium)	Meets
BH8				
SS1	0-0.61	94.5-93.89	Exceeds (Metals - Barium)	Meets
BH10				
SS1	3.05-3.66	94.5-93.89	Meets	Meets
BH11				
SS1	0-0.61	94.3-93.69	Exceeds (Metals – Barium, Cobalt)	Exceeds (Metals – Cobalt)
DUP-2	0-0.61	94.3-93.69	Exceeds (Metals – Barium, Cobalt, Vanadium)	Exceeds (Metals – Barium, Cobalt, Vanadium)
Additional Investigation – May 2023				
Hand Auger Samples				
AS01	0.0-0.3	94.3-94.0	Meets	Meets
DUP1	0.0-0.3	94.3-94.0	Meets	Meets
AS02	0.0-0.3	94.3-94.0	Meets	Meets
AS03	0.0-0.3	94.3-94.0	Meets	Meets
AS04	0.0-0.3	94.3-94.0	Meets	Meets
AS05	0.7-1.0	93.6-93.3	Meets	Meets

Sample Identification	Sample Depth		Guideline Standard	
	mbgs	masl	Table 2.1 RPI	Table 3.1 RPI
DUP2	0.7-1.0	93.6-93.3	Meets	Meets
AS06	0.0-0.3	94.3-94.0	Exceeds (Metals - Cobalt)	Exceeds (Metals - Cobalt)
AS07	0.0-0.3	94.3-94.0	Meets	Meets
AS08	0.0-0.3	94.3-94.0	Meets	Meets
AS09	0.0-0.3	94.3-94.0	Meets	Meets
AS10	0.0-0.3	94.3-94.0	Meets	Meets
AS11	0.0-0.3	94.3-94.0	Meets	Meets
AS12	0.0-0.3	94.3-94.0	Meets	Meets
AS13	0.0-0.3	94.3-94.0	Meets	Meets
O. Reg. 406/19 SPLP Samples				
BH7-SS1	0-0.61	94.9-94.29	Meets	Meets
BH10-SS2	0-0.61	94.5-93.89	Meets	Meets
BH11-SS1	0-0.61	94.3-93.69	Meets	Meets

Notes:

Mbgs – Meters Below Ground Surface

Masl – Meters Above Sea Level

7.3 Comparison to O. Reg. 558 Standards

The results of the chemical analysis compared against O. Reg. 558 are shown below:

Guideline Standard O. Reg. 558				
Sample Identification	BaP	M&I	VOCs	PCBs
TCLP	Meets	Meets	Meets	Meets

The results of the chemical analysis indicate the soil is considered non-hazardous and should be handled accordingly.

It should be noted that the results of the chemical analysis refer only to the soil samples collected from specific locations, and the soil chemistry may vary between and beyond the locations of the samples tested. The receiving sites accepting the fill may have a soil fill management plan with specific aesthetic, engineering property requirements and/or specific requirements for chemical analysis (additional parameters and/or frequency of sampling) that have not been assessed in this letter.

The analytical results contained in this report should not be considered a warranty with respect to the soil quality or the use of the soil for any specific purpose. This letter provides the factual results of the chemical analysis only for the specific parameters analysed. No opinion is presented regarding the earthwork/suitability of the soil for any purpose. If there is indication of soil quality variation and/or other chemical/environmental concerns, further chemical testing should be carried out as necessary. Further, it must be noted that our scope of work, as directed by the client, was only limited to collecting soil samples and review of the analytical results.

The laboratory certificates of analysis are enclosed with this report.

8.0 Signatures

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

Yours truly,

Terraprobe Inc.

Syed Ali E.I.T.
Project Manager

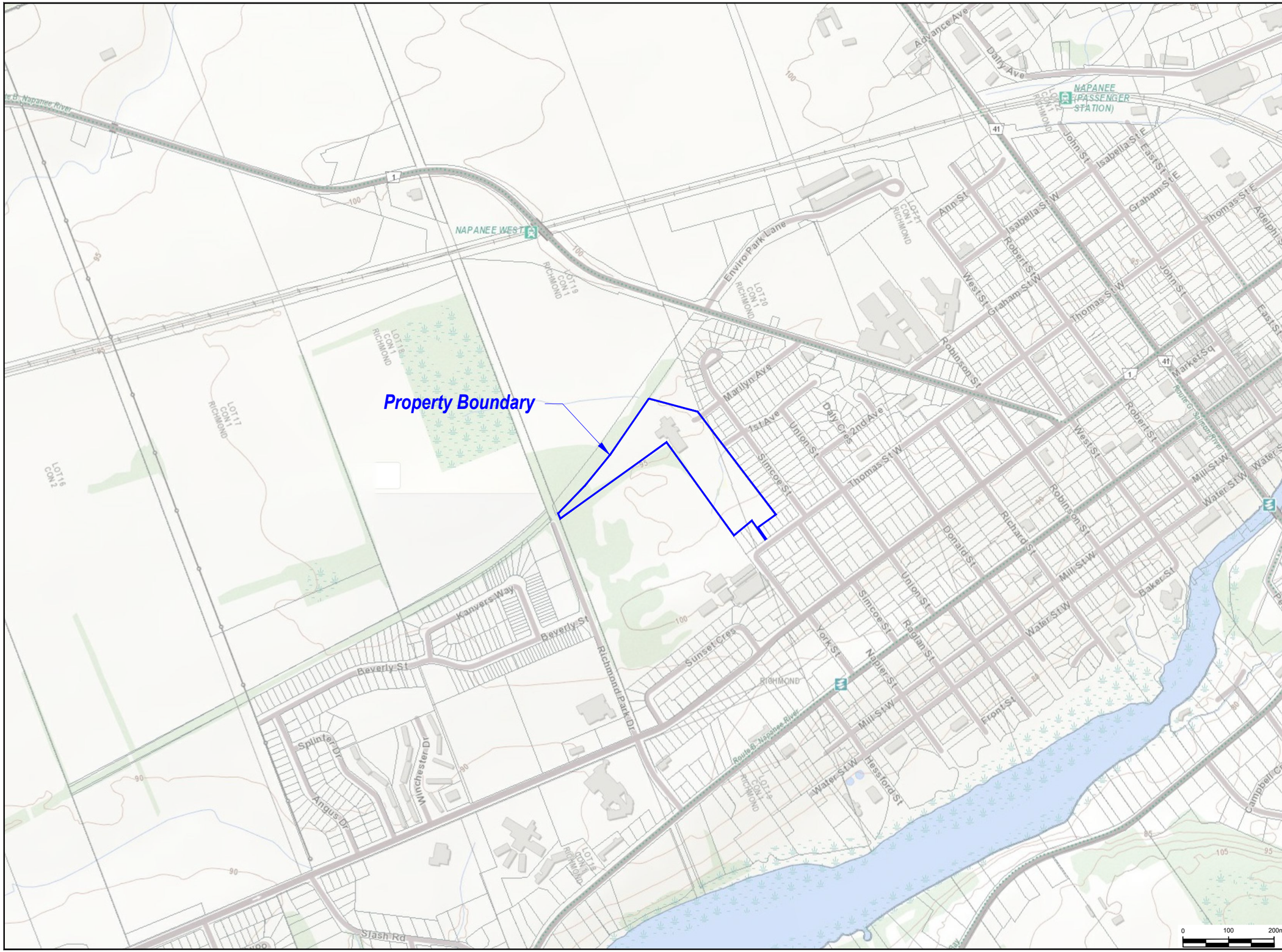
Muhammad Shahid P.Geo., QP_{ESA}
Team Lead - Environmental

Enclosures:

Figure 1:	*Property Location*
Figure 2:	*Sampling Locations*
Appendix A:	*Laboratory Certificate of Analysis*

FIGURES

TERRAPROBE INC



Terraprobe
an Englobe Company

Reference:
MNR Maps

Notes:

Legend:
Property Boundary

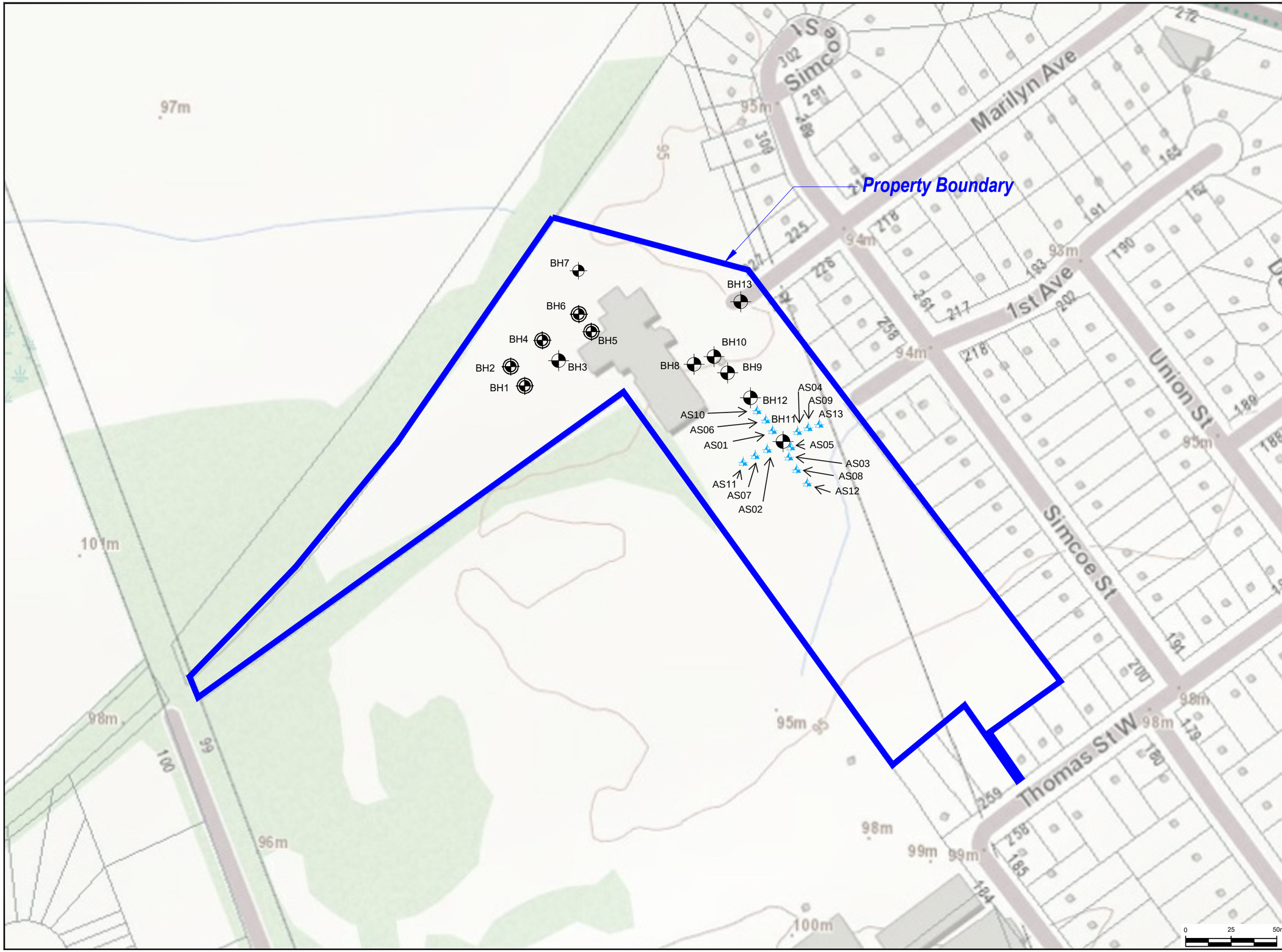
Project Title:
Soil Quality Assessment

Site Location:
240 Marilyn Avenue, Napanee, Ontario

Figure Title:
Property Location

Designed By: SA	File No.: 02209049
Drawn By: SSK	Scale: As Shown
Reviewed By: MS	Figure No.: 1
Date: June 2023	

Y:\Shared\CA\Terraprobe\Brampton\1-Project Files\2022-Englobe\02209049.000 - 240 Marilyn Avenue Napanee\0102 - Phase Two ESA\1-Dwgs, Logs\AutoCAD\02209049.0102 Phase Two Figs.dwg, 2/22/2023 1:25:36 PM, _AutoCAD PDF (General Documentation).pc3



Terraprobe
an Englobe Company

Reference:
MNR Maps

Notes:

Legend:

- Property Boundary
- Borehole Samples - Dec 2022 & Jan 2023
- Boreholes with Monitoring Wells
- Additional Soil Samples - June 2023

Project Title:
Soil Quality Assessment

Site Location:
240 Marilyn Avenue, Napanee, Ontario

Figure Title:
Sampling Locations

Designed By: SA	File No.: 02209049
Drawn By: HK/SSK	Scale: As Shown
Reviewed By: MS	Figure No.: 2
Date: June 2023	

Y:\Shared\C\ATerraprobe\Brampton\1-Project Files\2022-Englobe\02209049.000 - 240 Marilyn Avenue Napanee\0102 - Phase Two ESA\1-Dwgs, Logs\AutoCAD\02209049.0102 Phase Two Figs.dwg, 2/22/2023 1:25:49 PM, _AutoCAD PDF (General Documentation).pc3

APPENDIX A

TERRAPROBE INC.

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: TERRAPROBE INC.
11 INDELL LANE
BRAMPTON, ON L6T3Y3
(905) 796-2650
ATTENTION TO: Sayed Ali
PROJECT: 02209049
AGAT WORK ORDER: 23T024970
SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganics Report Writer
DATE REPORTED: May 23, 2023
PAGES (INCLUDING COVER): 8
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
- *Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.*
- *All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

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. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23T024970

PROJECT: 02209049

CLIENT NAME: TERRAPROBE INC.

ATTENTION TO: Sayed Ali

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

DATE RECEIVED: 2023-05-15 **DATE REPORTED: 2023-05-23**

		SAMPLE DESCRIPTION:		AS01	AS02	AS03	AS04	AS05	AS06	AS07	AS08
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-05-15 12:00	2023-05-15 12:00	2023-05-15 12:00	2023-05-15 12:00	2023-05-15 12:00	2023-05-15 12:10	2023-05-15 12:10	2023-05-15 12:10
Parameter	**Unit**	**G / S**	**RDL**	**4991001**	**4991002**	**4991003**	**4991004**	**4991005**	**4991006**	**4991007**	**4991008**
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	3	3	5	4	5	3	4	4
Barium	µg/g	390	2.0	210	313	260	270	214	380	253	240
Beryllium	µg/g	4	0.5	0.9	1.1	1.0	1.1	0.9	1.3	1.1	1.2
Boron	µg/g	120	5	10	11	13	8	10	11	11	10
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	37	51	46	50	38	61	40	42
Cobalt	µg/g	22	0.8	11.1	17.6	13.7	15.4	12.7	**30.7**	13.2	12.5
Copper	µg/g	140	1.0	22.0	37.2	34.6	33.1	27.4	26.8	25.8	26.2
Lead	µg/g	120	1	14	23	35	14	29	18	17	27
Molybdenum	µg/g	6.9	0.5	0.8	<0.5	0.8	0.6	0.9	1.2	0.7	0.9
Nickel	µg/g	100	1	25	36	30	36	26	38	28	27
Selenium	µg/g	2.4	0.8	<0.8	<0.8	0.8	<0.8	<0.8	<0.8	<0.8	0.9
Silver	µg/g	20	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.50	0.89	0.70	1.08	0.98	0.81	1.71	0.81	1.19
Vanadium	µg/g	86	2.0	48.9	71.9	61.7	72.4	52.3	81.4	53.0	55.8
Zinc	µg/g	340	5	81	116	152	93	119	152	89	101

Certified By:

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
NIVINE BASILY
CHEMIST

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 23T024970

PROJECT: 02209049

CLIENT NAME: TERRAPROBE INC.

ATTENTION TO: Sayed Ali

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

DATE RECEIVED: 2023-05-15 **DATE REPORTED: 2023-05-23**

		SAMPLE DESCRIPTION:		AS09	AS10	AS11	AS12	AS13	Dup 1	Dup 2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2023-05-15 12:10	2023-05-15 12:10	2023-05-15 12:10	2023-05-15 12:30	2023-05-15 12:30	2023-05-15 12:30	2023-05-15 12:30
Parameter	**Unit**	**G / S**	**RDL**	**4991009**	**4991010**	**4991011**	**4991012**	**4991013**	**4991014**	**4991015**
Antimony	µg/g	7.5	0.8	<0.8	<0.8	<0.8	0.9	<0.8	<0.8	1.0
Arsenic	µg/g	18	1	5	3	3	9	4	4	10
Barium	µg/g	390	2.0	278	264	296	282	244	351	295
Beryllium	µg/g	4	0.5	1.2	1.0	1.2	1.4	1.0	1.5	1.4
Boron	µg/g	120	5	11	11	9	10	12	10	12
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	160	5	48	46	52	41	44	59	45
Cobalt	µg/g	22	0.8	15.0	14.0	18.1	14.1	13.0	19.4	15.0
Copper	µg/g	140	1.0	32.2	28.1	27.4	40.7	33.1	32.0	42.3
Lead	µg/g	120	1	30	17	14	78	27	18	87
Molybdenum	µg/g	6.9	0.5	1.1	0.6	0.7	2.0	0.9	1.0	2.2
Nickel	µg/g	100	1	32	31	34	29	27	38	31
Selenium	µg/g	2.4	0.8	<0.8	<0.8	<0.8	<0.8	1.0	0.8	1.0
Silver	µg/g	20	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	23	0.50	1.25	0.93	1.40	1.10	1.71	2.20	1.13
Vanadium	µg/g	86	2.0	64.8	61.3	73.4	54.4	57.7	75.7	59.0
Zinc	µg/g	340	5	161	95	110	166	127	144	173

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition - Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soils **pH range listed applies to surface soil only**
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

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Exceedance Summary

AGAT WORK ORDER: 23T024970

PROJECT: 02209049

CLIENT NAME: TERRAPROBE INC.

ATTENTION TO: Sayed Ali

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
4991006	AS06	ON T2 S RPI CT	O. Reg. 153(511) - Metals (Including Hydrides) (Soil)	Cobalt	µg/g	22	30.7

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: TERRAPROBE INC.

PROJECT: 02209049

SAMPLING SITE:

AGAT WORK ORDER: 23T024970

ATTENTION TO: Sayed Ali

SAMPLED BY:

Soil Analysis

RPT Date: May 23, 2023

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Soil)															
Antimony	4991001	4991001	<0.8	<0.8	NA	< 0.8	100%	70%	130%	98%	80%	120%	99%	70%	130%
Arsenic	4991001	4991001	3	3	NA	< 1	117%	70%	130%	97%	80%	120%	103%	70%	130%
Barium	4991001	4991001	210	216	2.8%	< 2.0	106%	70%	130%	99%	80%	120%	101%	70%	130%
Beryllium	4991001	4991001	0.9	0.8	NA	< 0.5	106%	70%	130%	96%	80%	120%	101%	70%	130%
Boron	4991001	4991001	10	11	NA	< 5	94%	70%	130%	101%	80%	120%	97%	70%	130%
Cadmium	4991001	4991001	<0.5	<0.5	NA	< 0.5	114%	70%	130%	100%	80%	120%	95%	70%	130%
Chromium	4991001	4991001	37	37	0.0%	< 5	109%	70%	130%	102%	80%	120%	104%	70%	130%
Cobalt	4991001	4991001	11.1	11.1	0.0%	< 0.8	112%	70%	130%	99%	80%	120%	102%	70%	130%
Copper	4991001	4991001	22.0	20.8	5.6%	< 1.0	99%	70%	130%	101%	80%	120%	88%	70%	130%
Lead	4991001	4991001	14	14	0.0%	< 1	112%	70%	130%	100%	80%	120%	97%	70%	130%
Molybdenum	4991001	4991001	0.8	0.7	NA	< 0.5	114%	70%	130%	102%	80%	120%	108%	70%	130%
Nickel	4991001	4991001	25	24	4.1%	< 1	112%	70%	130%	98%	80%	120%	99%	70%	130%
Selenium	4991001	4991001	<0.8	<0.8	NA	< 0.8	101%	70%	130%	97%	80%	120%	102%	70%	130%
Silver	4991001	4991001	<0.5	<0.5	NA	< 0.5	97%	70%	130%	99%	80%	120%	89%	70%	130%
Thallium	4991001	4991001	<0.5	<0.5	NA	< 0.5	109%	70%	130%	96%	80%	120%	96%	70%	130%
Uranium	4991001	4991001	0.89	0.91	NA	< 0.50	124%	70%	130%	99%	80%	120%	107%	70%	130%
Vanadium	4991001	4991001	48.9	49.3	0.8%	< 2.0	118%	70%	130%	102%	80%	120%	106%	70%	130%
Zinc	4991001	4991001	81	82	1.2%	< 5	109%	70%	130%	102%	80%	120%	108%	70%	130%

Comments: NA Signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.

Certified By:

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CHEMIST

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Results relate only to the items tested. Results apply to samples as received.

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CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Method Summary

CLIENT NAME: TERRAPROBE INC.

AGAT WORK ORDER: 23T024970

PROJECT: 02209049

ATTENTION TO: Sayed Ali

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 23T024970

Cooler Quantity: 1 large

Arrival Temperatures: 10.5 | 10.2 | 10.7

Custody Seal Intact: ☐ Yes ☐ No ☐ N/A

Notes: Loose ice

Report Information:

Company: Terraprobe Inc

Contact: Syed Ali

Address: 11 Indel Lane Brampton ON

Phone: 905 796 2650 Fax:

Reports to be sent to:

1. Email: SAli@Terraprobe.ca
2. Email:

Project Information:

Project: 0220904q

Site Location: Napanee

Sampled By: Constantinos Kyriacou

AGAT Quote #: PO:

Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☒ No ☐

Company:

Contact:

Address:

Email:

Regulatory Requirements:

(Please check all applicable boxes)

☒ Regulation 153/04
Table 1 RPI (Indicate One)
☐ Ind/Com
☒ Res/Park
☐ Agriculture
Soil Texture (Check One)
☒ Coarse
☐ Fine

☐ Regulation 406
Table ____ (Indicate One)

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
Indicate One

Is this submission for a **Record of Site Condition**? ☐ Yes ☒ No

Report Guideline on *Certificate of Analysis* ☒ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

*TAT is exclusive of weekends and statutory holidays

For 'Same Day' analysis, please contact your AGAT CPM

Sample Matrix Legend

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	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Metals					Potentially Hazardous or High Concentration (Y/N)
1. AS01	15/5/23	12:00 AM/PM	1	S														X					
2. AS02																							
3. AS03																							
4. AS04																							
5. AS05																							
6. AS06		12:10																					
7. AS07																							
8. AS08																							
9. AS09																							
10. AS10																							
11. AS11																							

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Constantinos Kyriacou	15/5/23	6:00	Anjan Tahir		
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

'23 MAY 15 6:00PM

Page 1 of 2

N°: T - 143821

Pink Copy - Client | Yellow Copy - AGAT | White Copy - AGAT

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AGAT Laboratories

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Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 23T024970

Cooler Quantity: See page 1

Arrival Temperatures:

Custody Seal Intact: ☐Yes ☐No ☐N/A

Notes:

Report Information:

Company:

Contact:

Address: See pg# 1

Phone: Fax:

Reports to be sent to:

1. Email:
2. Email:

Regulatory Requirements:

(Please check all applicable boxes)

☐ Regulation 153/04
Table ___ *Indicate One*
☐ Ind/Com
☐ Res/Park
☐ Agriculture
Soil Texture *(Check One)*
☐ Coarse
☐ Fine

☐ Regulation 406
Table ___ *Indicate One*

☐ Regulation 558

☐ CCME

☐ Sewer Use
☐ Sanitary ☐ Storm
___ *Region*

☐ Prov. Water Quality Objectives (PWQO)

☐ Other
___ *Indicate One*

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

Report Guideline on *Certificate of Analysis* ☐ Yes ☐ No

Turnaround Time (TAT) Required:

Regular TAT ☐ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT

**TAT is exclusive of weekends and statutory holidays*

For 'Same Day' analysis, please contact your AGAT CPM

Project Information:

Project:

Site Location:

Sampled By:

AGAT Quote #: PO:

Please note: If quotation number is not provided, client will be billed full price for analysis.

Invoice Information:

Bill To Same: Yes ☐ No ☐

Company:

Contact:

Address:

Email:

Sample Matrix Legend

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	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	VOC	PAHs	PCBs	PCBs: Aroclors ☐	O. Reg 558: Landfill Disposal Characterization TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	O. Reg 406: Regulation 406 SPLP Rainwater Leach SPLP: ☐ Metals ☐ VOCs ☐ SVOCs	O. Reg 406: Regulation 406 Characterization Package pH, ICPMS Metals, BTEX, F1-F4	Corrosivity: ☐ Moisture ☐ Sulphide	Mo Tot					Potentially Hazardous or High Concentration (Y/N)
1. AS12	15/5/23	12:30 AM/PM	1	S														✓					
2. AS13	↓	↓	↓	↓																			
3. Dup 1	↓	↓	↓	↓																			
4. Dup 2	↓	↓	↓	↓																			
5.		AM/PM																					
6.		AM/PM																					
7.		AM/PM																					
8.		AM/PM																					
9.		AM/PM																					
10.		AM/PM																					
11.		AM/PM																					

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
			Aniqa Tahir		
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

'23MAY15 6:00PM

Page 2 of 2

N°: T-143445

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