



Phase Two Environmental Site Assessment

TACC Development Lands- Mayfield Tullamore Neighbourhood
SE Corner of Bramalea Road and Old School Road
Caledon, Peel Region, Ontario

Submitted to:

TACC Developments (Armstrong) Ltd.
600 Applewood Crescent,
Vaughan, ON L4K 4B4

Submitted by:

GEI Consultants Canada Ltd.
650 Woodlawn Road West Block C, Unit 2
Guelph, ON N1K 1B8
519.824.8150

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Project No. 2407688

Chahana Mistry, B. Eng.
Technical Specialist

Aamna Arora, P.Eng., QPESA
Senior Environmental Engineer

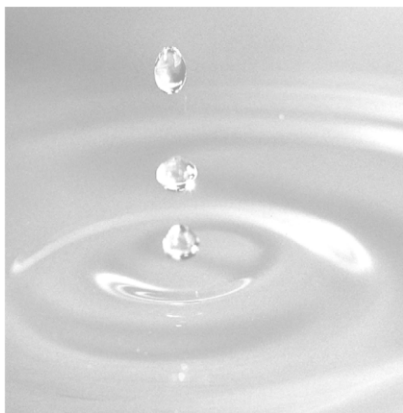


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Certification

This Phase Two ESA was conducted in accordance with O.Reg.153/04, as amended, and in accordance with generally accepted professional practices. Subject to this standard of care, GEI makes no express or implied warranties regarding its services and no third-party beneficiaries are intended.

We trust this report is sufficient for your present purposes. Should you have any questions concerning the above, or can be of any further assistance, please do not hesitate to contact the undersigned.

PREPARED BY:

GEI Consultants Canada Ltd.



Chahana Mistry
Environmental Technical Specialist

REVIEWED BY:

GEI Consultants Canada Ltd.



Aamna Arora, P.Eng., QP^{ESA}
Senior Environmental Engineer

Record of Revisions

Identification	Date	Description of Issued and/or Revision
First Submission	June 26, 2025	Phase Two Environmental Site Assessment
Second Submission	September 17, 2025	Revised report After Completing Soil Remediation

Acronyms and Abbreviations

°C	degree Celsius
APEC(s)	Area(s) of Potential Environmental Concern
AST	Aboveground Storage Tank
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene and Xylenes
EC	Electrical Conductivity
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
ESQS	Excess Soil Quality Standards
GEI	GEI Consultants Canada Ltd.
ha	hectare(s)
ICC	Industrial/Commercial/Community
L	litre(s)
m	metre(s)
m asl	metres above sea level
m bgs	metres below ground surface
MECP	Ministry of Environment, Conservation and Parks
mSPLP	Modified Synthetic Precipitation Leaching Procedure
M&I	Metals and Inorganics
MW	Monitoring Well
NAPL	Non-aqueous Phase Liquid
OC(s)	Organochlorine Pesticides(s)
O.Reg.406/19	Ontario Regulation 406/19
O.Reg.153/04	Ontario Regulation 153/04
PAH(s)	Polycyclic Aromatic Hydrocarbon(s)
PCA	Potentially Contaminating Activity
PCB(s)	Polychlorinated Biphenyl(s)
PHC(s)	Petroleum Hydrocarbon(s)
QA/QC	Quality Assurance/Quality Control
QP _{ESA}	Qualified Person for Environmental Site Assessment
RPI	Residential/Parkland/Institutional
RSC	Record of Site Condition
ROW	Right-of-Way
RPD	Relative Percent Difference
SAR	Sodium Adsorption Ratio
SCR	Soil Characterization Report
SCS	Site Condition Standard(s)
SDS	Safety Data Sheet
SAP	Sampling and Analysis Plan
SVOC(s)	Semi-volatile Organic Compound(s)
UST	Underground Storage Tank
VOC(s)	Volatile Organic Compound(s)

Executive Summary

GEI Consultants Canada Ltd. (GEI) was retained by TACC Developments (Armstrong) Ltd. (the Client), to complete a Phase Two Environmental Site Assessment (ESA) of a property located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario (hereinafter referred to as the “Site” or “Phase Two Property”). The municipal addresses associated with the Site include:

- 12933 Bramalea Road
- 5089 Old School Road
- 5101 Old School Road
- 5155 Old School Road

The Site is proposed for residential subdivision development. It is understood that as per the Town of Caledon’s Pre- Application Review Committee (PARC) Meeting Form and Checklist provided for the Site, a Record of Site Condition (RSC) will be required to support the proposed residential subdivision development application. To support the RSC filing, this Phase Two Environmental Site Assessment (ESA) was conducted in accordance with Ontario Ministry of the Environment, Conservation and Parks (MECP) Regulation 153/04, as amended (O. Reg. 153/04).

Subject to this standard of care, GEI makes no express or implied warranties regarding its services, and no third-party beneficiaries are intended.

The objective of Phase Two ESA was to assess the current subsurface conditions in the following areas of potential environmental concern (APEC) identified in a recent Phase One ESA prepared by GEI, dated May 20, 2025:

APEC 1: Potential use of pesticides and fertilizers on farming lands [On -Site PCA: PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications]

APEC 2: Presence of three (3) aboveground fuel oil tanks for refueling farm equipment [On-Site PCA: #28 – Gasoline and Associated Products Storage in Fixed Tanks]

APEC 3: Presence of an aboveground old waste oil aboveground tank [On-Site PCA: #28 – Gasoline and Associated Products Storage in Fixed Tanks]

APEC 4: Stained area inside the Maintenance shop area-Building B [On-Site PCA: # Other – Staining]

APEC 5: Hydraulic oil drums and plastic pails storing lubricant placed inside the maintenance shop-Building B on bare ground. [On-Site PCA: #52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems]

APEC 6: Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A [On -Site PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage systems]

APEC 7: Bulk storage of granular/powder fertilizer inside Building A [On -Site PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage systems]

APEC 8: Potential fill associated within former farm buildings footprints [On -Site PCA #30 Importation of fill of unknown quality]

APEC 9: Presence of pole mounted transformer located west of Building B [On -Site PCA# 55 Transformer Manufacturing, Processing and Use]

APEC 10: Presence of a pole mounted transformer located west of Building D [On -Site PCA# 55 Transformer Manufacturing, Processing and Use]

The findings of the Phase Two ESA conducted at the Site are summarized as follows:

- The Phase Two ESA field investigative activities comprised drilling of fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11 and BH12) and twenty (20) test pits (TP1 to TP20). The depths of the boreholes ranged from approximately 0.8 m to 9.1 m bgs and the test pits were hand-dug using a shovel to a depth of approximately 0.3 m bgs. Refer to Figure 5 and 5A showing location of the boreholes and Test pits. A total of two (2) monitoring wells were installed in the selected boreholes BH10 and BH12. Boreholes and monitoring wells were advanced to facilitate the collection of soil and groundwater samples for geologic characterization and chemical analysis to investigate soil and groundwater conditions within the areas of potential environmental concern identified at the Site.
- As part of GEI's Local Subwatershed, Geotechnical, and Hydrogeological Studies to support the future development of the Site, several boreholes and monitoring wells were previously drilled on-site by GEI. Information from those boreholes were used in this Phase Two ESA, to characterize the subsurface geology, while groundwater level data from those existing monitoring wells were utilized to help establish the groundwater flow direction across the Site. Refer to Figure 6 showing location of the previously drilled boreholes and monitoring wells and respective geological cross sections are included in Figures 6A and 6B.
- The general stratigraphy at the Site, as observed in the boreholes, consists of concrete, topsoil, or fill underlain by native deposits. The native soils typically comprise clayey silt till, followed by layers of silt and clay in some boreholes, and deeper cohesionless deposits such as sand, silty sand, silt, sandy silt, sand and gravel, or sandy gravel in others. Bedrock was not encountered during the current investigation at the Site.
- In Boreholes BH5, BH9, and BH12, fill material was encountered directly at the surface. In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W, and BH11, fill was observed beneath a surficial concrete layer. Additionally, in some boreholes, fill material—likely consisting of disturbed native soils—was encountered below the topsoil layer. The composition of the fill in boreholes BH5, BH6, BH9, BH10, BH10N, BH10E, BH10W, and BH11 ranged from sand and sand with gravel to sandy silt with some gravel, which may indicate the presence of imported fill. In the remaining boreholes, the fill is likely comprised of disturbed on-site native material (possibly from historic farming practices) comprising brown clayey silt to sandy silt. No hydrocarbon or other chemical odours or staining suggestive of significant contamination were observed in the recovered fill samples. The fill—potentially a mix of imported and on-site disturbed material—extended to depths ranging from approximately 0.8 to 2.3 m bgs.
- Total organic vapour (TOV) readings in the headspace of select soil sample collected during the investigation was performed using a RKI Eagle 2 gas monitor calibrated with Hexane and Isobutylene (IBL) in the field. The TOV readings were recorded as non-detect.
- Grain size analysis was conducted on several soil samples, as included in the GEI's geotechnical report. The results confirm that the on-site soils consist of a combination of medium- to fine-textured and coarse-textured materials. For the purposes of this Phase Two ESA, and following a conservative (i.e., worst-case) approach, the soils have been classified as coarse-grained.

- Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies.
- For assessment purposes, based on the client's intended residential use in the future and identified NHS on site, GEI selected MECP Table 1: Full Depth Background Site Condition Standards under Residential/Parkland/Institutional/Industrial/Commercial/ Community (RPIICC) Property Use (*Table 1 SCS*)
- The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 17 m from the northwest corner to the southeast corner.
- The two monitoring wells installed specifically for Phase Two ESA, at BH10 and BH12 remained dry even after an elapsed period of more than 60 days. Other existing on-site monitoring wells, previously installed by GEI as part of the Local Subwatershed, Geotechnical, and Hydrogeological Studies, were utilized for groundwater level monitoring. These wells included those installed in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 21. These wells are part of an ongoing monthly long-term groundwater monitoring program being conducted under a separate scope associated with the hydrogeological study.
- The stabilized groundwater levels measured across the site varied depending on the depth of the monitoring wells and the soil units in which they were screened. Based on readings taken on March 6, 2025, groundwater levels within the upper clayey silt glacial till and shallower sand/silt units ranged from approximately 0.4 to 5.8 m below grade, with the exception of a few wells (approximately 6 m deep) that remained dry, indicating groundwater is likely deeper at those locations. The groundwater levels measured from wells screened within the deeper cohesionless unit/aquifer on the eastern portion of the Site typically ranged from 10.9 to 12.4 m below grade, with the exception of Borehole BH102, where groundwater was encountered at a shallower depth of 5.2 m below grade, despite the well being screened deeper. Flowing artesian conditions were observed in the southernmost portion of the Site, as indicated by deeper monitoring wells at Boreholes 208D, 209D, and 29, which were screened partially within the deeper cohesionless aquifer. At these locations, groundwater levels were recorded between 0.4 and 0.9 m above grade.
- Based on groundwater data collected from the Site, the local groundwater flow direction is expected to mimic the site topography. It is anticipated that groundwater flows towards topographic lows within upper glacial till unit. The interpreted groundwater contours based on groundwater elevation data collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit are presented on Figure 7. Based on this groundwater contours plan, local groundwater flow on the site appears to have a general trend towards the southeast, influenced by presence tributaries of the West Humber River.

- The selected soil samples were submitted for analysis of petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCs), polychlorinated biphenyls (PCBs), metals, hydride-forming metals, and other regulated parameters. The soil analytical results indicated conformance with the selected Table 1 Site Condition Standards (SCS), with the exception of one location — Borehole BH10. Soil samples collected from the top 1.2 m at BH10 exceeded the Table 1 SCS due to elevated levels of Cadmium and Uranium. The area surrounding BH10 was subsequently delineated both laterally and vertically. All other sampled locations were found to be in compliance with the selected Table 1 SCS.
- No groundwater samples could be collected from the monitoring wells installed in boreholes - BH10 and BH12, as both wells remained dry even after an elapsed time of more than 60 days. This suggests that the groundwater table at these locations is deeper than approximately 6.0 m and 9.0 bgs, respectively. Given the significant depth to groundwater, the Cadmium and Uranium impacts identified in the shallow soil samples at BH10 are considered unlikely to pose a risk to groundwater quality.
- GEI retained the excavation subcontractor Terra Firma Environmental Services to remove soil impacted with cadmium and uranium, which exceeded the Table 1 Site Condition Standards (SCS) in the area surrounding Borehole BH10. Remediation activities, including excavation, confirmatory sampling, and backfilling, were carried out between August 13 and September 3, 2025. Under GEI's supervision, the excavation contractor removed approximately 118 metric tonnes (five truckloads) of impacted soil from the remediation area. The impacted non-hazardous soil was transported to JCL Material & Recovery Station, a waste transfer station at 15 Bethridge Road, Etobicoke, Ontario.
- Following the removal of the impacted soil, the final dimensions of the remedial excavation were measured approximately to be 6.0 m by 7.0 m with a depth of 1.5 m below existing grade. Based on the contaminants of concerns and final area of excavation, confirmatory samples were collected from the floor and walls of the remedial excavation. Out of the initial seven (7) confirmatory soil samples: CS-F1, CS-F2, CS-N, CS-E, CS-W, CS-S and a duplicate sample DUP-F2, collected from the floor and walls of the remedial excavation, all samples except CS-S met the Table 1 SCS criteria. The sample CS-S, collected from the south wall, exhibited an elevated concentration of Selenium, exceeding the Table 1 criterion limit. To further assess this exceedance, three (3) additional samples—CS-S/A, CS-S/B, and CS-S/C—were collected within 1.0 m of the original CS-S location along the south wall. All three additional samples met the Table 1 SCS for Selenium, Cadmium, Uranium, and other tested metals. The remediated excavation was backfilled using virgin granular material sourced from Olympia Sand & Gravel Pit and Acton Quarry. Granular B Type I material -Sourced from Olympia Sand & Gravel Pit was used for the majority of the backfill, while the near surface top 150 mm layer was backfilled using Granular A from Acton Quarry. Since the materials used for backfilling were obtained from licensed pits and quarries, no confirmatory testing was deemed required for backfill material
- As a result of the remedial excavation completed at the site, the previously identified impacts in soil have been remediated. The Site is now in conformance with Table 1 SCS under RPIICC property use.

Conclusion

Based on the completed Phase Two Environmental Site Assessment (ESA), including follow-up soil remediation and confirmatory testing, the Site is in conformance with Table 1 SCS for RPIICC property use. The Site is considered ready for the filing of a Record of Site Condition (RSC), as required by the Town of Caledon to support the proposed residential subdivision development application.

1. Introduction

GEI Consultants Canada Ltd. (GEI) was retained by TACC Developments (Armstrong) Ltd. (the Client), to complete a Phase Two Environmental Site Assessment (ESA) of a property located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario (hereinafter referred to as the “Site” or “Phase Two Property”). The location of the Phase Two Property is shown on Figure 1.

This Phase Two ESA was conducted in accordance with Ontario Regulation 153/04 (as amended) (O. Reg. 153/04) made under the Environmental Protection Act and in accordance with generally accepted professional practices. Subject to this standard of care, GEI makes no express or implied warranties regarding its services, and no third-party beneficiaries are intended.

The objective of the Phase Two ESA was to assess the current subsurface conditions at the Site within the areas of potential environmental concern (APEC) identified in the Phase One ESA prepared by GEI, dated May 20, 2025. This Phase Two will be utilized to support the future filing of a Record of Site Condition (RSC) with the Ontario Ministry of the Environment, Conservation and Parks (MECP).

1.1. Site Description

The Site is located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario, as shown on Figure 1. The Site is irregular in shape and encompasses approximately 178 acres (72 hectares) in total area. The municipal addresses associated with the Site include: 12933 Bramalea Road, 5089 Old School Road, 5101 Old School Road, 5155 Old School Road.

The Site is currently under a combination of commercial, agricultural, and residential uses. A large portion of the Site consists of undeveloped agricultural fields, along with several farm-related buildings and a cluster of grain storage silos located in the western portion of the property. These silos are used for commercial grain storage on behalf of third parties. The northern portion of the Site contains three (3) residential dwellings fronting onto Old School Road. The Site is not connected to enbridge gas service or municipal service for water and wastewater. One (1) potable dug water supply well was observed at 12933 Bramalea Road. This well serves as the primary source of potable water for the entire Site, including the residences along Old School Road. Another drilled water supply well was identified at 5155 Old School Road; however, according to Mr. Armstrong, this well is no longer in use due to suboptimal water quality.

Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies.

The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 17 m from the northwest corner to the southeast corner.

1.2. Legal Description and Property Ownership

Refer to the table below for Phase Two Property information.

Table 1-1. Phase Two ESA Property Information

Site Details	
Municipal Addresses	• 12933 Bramalea Road, Caledon East • 5089 Old School Road, Caledon East • 5101 Old School Road, Caledon East • 5155 Old School Road, Caledon East
Current Owner	TACC Developments (Armstrong) LTD.
Owner Address	600 Applewood Crescent, Vaughan, Ontario L4K 4R1
Owner Contact Person	Mr. Christopher Sivry, Development Counsel
Legal Description	Part Lot 21 and 22, Concession 5, East of Hurontario Street, (Geographic Township of Chinguacousy), Town of Caledon, Region Municipality of Peel
Property Identification Number (PIN)	• 14347-0377 (LT) • 14347-0378 (LT) • 14347-0379 (LT) • 14347-0380 (LT)
Property Size	178 acres (72 hectares)
Approximate Universal Transverse Mercator (UTM) coordinates	Zone: 17 Easting: 596426 m Northing: 4849206 m (1m, NAD83, Google Earth Pro)

1.3. Current and Proposed Future Uses

Based on the site reconnaissance and a review of available historical records, the Phase One Property has been and is currently used for a combination of commercial (grain storage), agricultural, and residential purposes. Although the majority of the Site is currently under agricultural use, the operation of commercial grain storage on behalf of third parties classifies the current use as Commercial (based on the most stringent land use designation among the commercial, agricultural, and residential uses).

GEI understands that the Site is intended for future residential redevelopment.

1.4. Applicable Site Condition Standards

Analytical results reported for soil and groundwater samples collected during the Phase Two ESA, were assessed against Site Condition Standards (SCS) as established under subsection 169.4(1) of the Environmental Protection Act, and presented in the document “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act” (“SGWS” Standards) (MECP 2011a). Tabulated background SCS (Table 1) applicable to environmentally sensitive sites and effects based generic SCS (Tables 2 to 9) applicable to non-environmentally sensitive sites are provided in the SGWS Standards. The effects based SCS (Tables 2 to 9) are protective of human health and the environment for different groundwater conditions (potable and non-potable), land use scenarios (residential, parkland,

institutional, commercial, industrial, community and agricultural/other), soil texture (coarse or medium/fine) and restoration depth (full or stratified).

1. Table 1 - applicable to sites where background concentrations must be met (full depth), such as sensitive sites where site-specific criteria have not been derived.
2. Table 2 - applicable to sites with potable groundwater and full depth restoration.
3. Table 3 - applicable to sites with non-potable groundwater and full depth restoration.
4. Table 4 - applicable to sites with potable groundwater and stratified restoration.
5. Table 5 - applicable to sites with non-potable groundwater and stratified restoration.
6. Table 6 - applicable to sites with potable groundwater and shallow soils.
7. Table 7 - applicable to sites with non-potable groundwater and shallow soils
8. Table 8 - applicable to sites with potable groundwater and that are within 30 m of a water body.
9. Table 9 - applicable to sites with non-potable groundwater and that are within 30 m of a water body.

Application of the generic or background SCS to a specific site is based on a consideration of site conditions related to soil pH (i.e., surface and subsurface soil), thickness and extent of overburden material, (i.e., shallow soil conditions), and proximity to an area of environmental sensitivity or of natural significance. For some chemical constituents, consideration is also given to soil textural classification with SCS having been derived for both coarse and medium/fine textured soil conditions.

- For assessment purposes, based on the client's intended residential use in the future and identified NHS on site, GEI selected the MECP Table1: Full Depth Background Site Condition Standards under Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) Property Use (**Table 1 SCS**).

The selection of this category of Standards was based on the following factors:

- More than two-thirds of the Site has an overburden thickness greater than 2 m.
- Two Natural Heritage Systems (NHS) are recognized as traversing the Site. One is located within the western portion of the property, following a watercourse that flows in a north-to-south direction. The second NHS feature crosses the easternmost portion of the Site along another water body.
- The soil at the Site has a pH value between 5 and 9 for surficial soils; and, between 5 and 11 for subsurface soils.
- The Site and surrounding properties are not serviced by municipal potable water and rely on local groundwater.
- The future land use of the Site is proposed to be residential.

2. Background Information

2.1. Physical Setting

The following physiographic, geological and related maps and reports were reviewed as part of this Phase Two ESA:

- Atlas of Canada – Toporama Topographic Map (Toporama)
- Ontario Ministry of Energy, Northern Development and Mines website, Bedrock Geology of Ontario, 2011 – MRD 126; and Paleozoic Geology of Southern Ontario, 2007 – MRD 219 (KML format)
- Ontario Ministry of Energy, Northern Development and Mines website, Surficial Geology of Southern Ontario, 2010. (KML format)
- Ontario Ministry of Energy, Northern Development and Mines website, Physiography of Southern Ontario 2007 (KML format)

Based on the review of the above maps, the following information was obtained:

- The ground elevation at the Site ranges from approximately 273 to 260 metres above sea level (asl), with an approximate elevation differential of 13 m sloping overall downward to the southeast portions of the Site.
- Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. The Site is located approximately 11 km from the main channel of the West Humber River and about 32 km from the nearest shoreline of Lake Ontario. Overall, groundwater is interpreted to flow in a southeasterly direction, with localized variations influenced by topographic lows, drainage features, on site waterbodies and nearby watercourses.
- The bedrock in the general area of the Site consists of Shale, limestone, dolostone, siltstone, and is part of the Queenston Formation.
- The surficial geology of the northern and southeastern portions of the Site is described as Clay to silt-textured till (derived from glaciolacustrine deposits).
- The physiography of the Site is within the South Slope and is characterized as Till Plains (drumlinized).

2.2. Past Environmental Investigations

No environmental report was reviewed, however, the following geotechnical report prepared by GEI for the Site was available at the time of this Phase Two ESA:

- GEI Consultants Canada. (2025a) “Geotechnical Investigation, Proposed Subdivision Development, Mayfield Tullamore TACC Development Lands, Bramalea Road and Old School Road, Caledon, Ontario,” prepared by GEI dated May 23, 2025

GEI (2025a) Geotechnical Report Review	
Objective	To complete subsurface investigation to prepare a geotechnical report to support a draft plan subdivision for the proposed residential development on the Site.
Program/ soil stratigraphy	• Boreholes 201 to 215 were drilled in November - December 2024. Previously, in April - May, 2025 more boreholes were drilled on the site as part of Local Subwatershed Study completed by GEI for the Site and surrounding properties. Boreholes were drilled to maximum depth of 23.3 m below grade. • To facilitate long term groundwater monitoring, monitoring wells were installed at 20 locations. 6 out of 20 locations were installed with nested deep and shallow wells. Monitoring wells were installed in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 215 by GEI to facilitate long-term groundwater monitoring, each consisting of 50 mm diameter PVC pipe with a 1.5 or 3.0 m long screen and protective casing. • The site was predominantly underlain by glacial till deposits with a cohesive matrix comprising clayey silt, some sand to sandy, with trace gravel. Layered clay and silt, to clayey silt, to silty clay was encountered underlying the upper glacial till in some boreholes within central eastern portion. Various cohesionless deposits of sands, silts, and gravels were encountered underlying the upper glacial till and /or Layered clay and silt in many boreholes.
Groundwater Condition	• Out of all monitoring wells, two monitoring wells in boreholes 202 and 206, approximately 6.0 m deep located within the northwest quadrant, installed in silt deposits remained dry. The stabilized groundwater levels measured on March 6, 2025, varied across the site. In general, the groundwater levels within the upper clayey silt glacial till ranged from 0.4 to 3.8 m below grade. The groundwater levels in the shallower sands and silts typically ranged from 1.5 to 5.8 m below grade, with some locations being dry at 6 m below grade. Groundwater levels in the deeper sands, sand and gravel, to gravelly sand in the eastern side of the site typically ranged from 12.4 to 10.9 m below grade. The deep well in Borehole 102 measured groundwater at 5.2 m below grade within the sand and silt glacial till. • Flowing artesian groundwater conditions were measured in BH/MW 208D and 209D, which were screened across the clayey silt glacial till interface with the underlying sand and silt deposits. Groundwater was measured at 0.4 to 0.7 m above grade, indicating the underlying sands and silts in those locations are confined and pressurized. Artesian conditions were also encountered in deep Boreholes 211 and 212. The monitoring wells were screened in the deep sands, confined below the layered clay and silt and clayey silt glacial till deposits. Measurements indicate the piezometric surface is about 12.0 to 12.5 m above the top of the confined sand aquifer.

3. Scope of Investigation

3.1. Overview of Site Investigation

The objective of Phase Two ESA was to assess the APECs identified in the Phase One ESA and to obtain subsurface quality data to characterize the Site to support the filing of an RSC with the MECP.

3.1.1. Scope of Work

The scope of work for the Phase Two ESA was included the following tasks:

- Request public and private utility locating companies (e.g., communications, natural gas, hydro, water, sanitary and storm water services) to mark underground utilities present at the Site.
- Advance a total of 12 boreholes and 20 Testpits as part of subsurface investigation for Phase Two ESA
- Instrument one (1) of the boreholes with monitoring well near Building B.
- It should be noted that GEI advanced three additional shallow boreholes (10N, 10E, and 10W) to delineate the soil impact identified in the sample collected from Borehole BH10. At the same time, the BH10 location was revisited and deepened to install a monitoring well, with the intent of assessing groundwater quality in light of the observed soil impacts.
- Collect representative soil samples for laboratory chemical analysis petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCs), polychlorinated biphenyls (PCBs), metals, hydride-forming metals, and other regulated parameters (ORPs).
- Develop the newly installed groundwater monitoring wells to collect groundwater samples for analytical testing.
- Review groundwater level measurements from all monitoring wells on-site being collected as part of geotechnical and hydrogeological investigations.
- Analyze the data and prepare a report of the findings.

GEI personnel who conducted assessment work for this project included Ms. Chahana Mistry, Mr. Rob Beech, and Ms. Aamna Arora, P.Eng., QP^{ESA}.

3.2. Media Investigated

The focus of Phase Two ESA was on the environmental condition of the soil, and groundwater beneath the Site. There are two surface water bodies present on-Site; no sediment sampling was completed as no potential environmental concerns were identified near the water bodies.

A copy of the Sampling and Analysis Plan (SAP) prepared for the Site is provided in Appendix A.

3.3. Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) is presented in Appendix B.

3.4. Impediments

The Site was accessible at the time of the investigation and no impediments were encountered to follow the SSAP.

4. Investigation Method

4.1. General

The Phase Two ESA field investigative activities comprised drilling of fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11 and BH12) and twenty (20) test pits (TP1 to TP20). The depths of the boreholes ranged from approximately 0.8 m to 9.1 m bgs and the test pits were hand-dug using a shovel to a depth of approximately 0.3 m bgs. Although groundwater was not initially identified as a medium of concern, one monitoring well was installed in borehole BH12 as a due diligence measure to assess groundwater quality in relation to maintenance activities for farm equipment inside Building B. Following the identification of soil impacts in borehole BH10, a second monitoring well was installed at that location to further evaluate groundwater quality. In total, two (2) monitoring wells were installed in boreholes BH10 and BH12. Both wells remained dry throughout the course of GEI's investigation.

Boreholes and monitoring wells were advanced to facilitate the collection of soil and groundwater samples for geologic characterization and chemical analysis to investigate soil and groundwater conditions within the areas of potential environmental concern identified at the Site.

GEI also previously completed geotechnical investigations at the Site. Boreholes BH201 to BH215 were drilled between November and December 2024. Prior to that, in April to May 2025, approximately 15 boreholes (BH19 to BH26, BH28, BH29, BH32, BH35, BH36, BH101, and BH102) were advanced as part of the Local Subwatershed Study conducted by GEI for the Site and surrounding properties. The boreholes were drilled to a maximum depth of 23.3 m below grade. Monitoring wells were installed in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 215 by GEI to facilitate long-term groundwater monitoring. A separate borehole location plan illustrating these geotechnical boreholes/ monitoring wells is provided as Figure 6, and cross-sections are included as Figures 6A and 6B.

Phase Two boreholes BH1 to BH10, BH10N, BH10E, BH10W, BH11 and BH12, were advanced by a licensed drilling contractor, SL Sonic Soil Limited, under the full-time supervision of GEI staff. No petroleum-based greases or solvents were used during drilling activities. Monitoring wells were installed in the boreholes by a MECP licensed well drilling contractor in accordance with O.Reg.903 using manufactured well components (i.e., riser pipes and screens) and materials (i.e., sand pack and bentonite) from documented sources.

4.2. Borehole and Testpit Advancement

Prior to the commencement of the drilling activities, the locations of underground utilities (i.e., communications, natural gas, electrical lines, as well as water, sewer, storm water and sanitary lateral conduits) were marked out by public locating companies. A private utility locating contractor was also retained to clear the individual borehole locations.

The fieldwork for borehole and test pit advancement as part of the Phase Two ESA was conducted between April 3 and May 8, 2025. Boreholes were advanced by a licensed drilling contractor, SL Sonic Soil Limited,

using a combination of track-mounted Geoprobe and handheld portable sampling equipment (Pionjar), under the full-time supervision of a GEI representative. Two (2) monitoring wells in boreholes BH10 and BH12 were installed. The test pits were hand-dug by GEI field staff, using a shovel to a depth of approximately 0.3 m bgs.

The approximate locations of the boreholes, test pits and monitoring wells are shown in Figures 5 and 5A. The rationale for borehole locations is summarized in the table below:

Table 4-1. Borehole Location Selection Rationale

Borehole Location	Media Tested	Rationale
BH1	Soil	Coverage to APEC 2
BH2	Soil	
BH3	Soil	
BH4	Soil	Coverage to APEC 4
BH5	Soil	Coverage to APEC 5
BH6	Soil	Coverage to APEC 3
BH7	Soil	Coverage to APEC 8
BH8	Soil	
BH9	Soil	
BH10, BH10N, BH10E, BH10W	Soil	Coverage to APEC 6 A monitoring well was installed in BH10; however, it did not yield any groundwater, and as a result, no groundwater sampling or testing could be completed.
BH11	Soil	Coverage to APEC 7
BH12	Soil	For due diligence in the vicinity of APECs 4 and 5, a monitoring well was installed in BH12; however, it did not yield any groundwater, and as a result, no groundwater sampling or testing could be completed.
TP1	Soil	Coverage to APEC 9
TP2	Soil	Coverage to APEC 10
TP3 - TP20	Soil	Coverage to APEC 1

GEI monitored the drilling activities to record the physical characteristics of the soil, depth of soil sample collection, total depth of boreholes and monitoring well installation details. Field observations are summarized on the borehole logs provided in Appendix C. In the boreholes, representative soil samples were recovered at regular intervals using a stainless-steel split spoon sampler.

4.3. Soil Sampling

Soil samples for geologic characterization and chemical analysis were collected from boreholes on a discrete basis in the overburden materials using 5 cm diameter, 60 cm long, split spoon sampler advanced

into the subsurface using a track mount drilling rig and/or portable sampling equipment. The test pits were dug using a shovel to collect near surface soil / topsoil samples.

The soil cores from boreholes were extruded from the samplers upon retrieval by drilling personnel. Geologic details of the recovered cores were logged by GEI field staff and samples were collected from select intervals for field screening and chemical analysis. Field observations are summarized on the borehole logs prepared from the field logs, and are enclosed in Appendix C.

Measures were taken in the field and during transport to preserve sample integrity prior to chemical analysis. Recommended volumes of soil samples selected for chemical analysis were collected from the recovered cores into new, laboratory-supplied glass sample jars/vials identified for the specified analytical test group.

At select locations and intervals, soil samples collected for analysis of VOCs, BTEX and the F1 fraction of PHCs were collected and prepared for analysis using laboratory supplied, sample dedicated syringes used to collect plugs of soil (~5 grams) which were deposited into laboratory supplied, pre-weighed 40 mL vials with 10 mL of purge and trap grade methanol for preservation following sample collection. Placement of soil plugs into the methanol vials was conducted to prevent volatile losses and care was exercised in order to avoid spillage of methanol preservative from within the vials to maintain a relatively unchanged volume of methanol inside the vial.

Sample jars submitted for the analysis of F2 to F4 fractions of PHCs and moisture content were filled to minimize head space using the laboratory supplied 120 ml glass jars with a Teflon lined lid and no sample preservative.

The samples submitted for the analysis of metals were collected and placed into laboratory supplied 250-ml glass jars. Soil was placed directly into jars to minimize soil disruption.

All selected soil samples were placed in clean coolers containing ice prior to and during transportation to the subcontract laboratory, Eurofins Environmental Testing Canada, Inc. (Eurofins). The samples were transported/submitted within the acceptable holding time to Eurofins following Chain of Custody protocols for chemical analysis.

Decontamination and standard operating procedures (SOPs) were followed during sample collection and handling to minimize the potential for sample cross-contamination. New disposable nitrile gloves were used for the handling and sampling of each retrieved soil core. Soil samples submitted for specific chemical analysis were selected on the basis of visual inspection of the recovered cores, vapour readings, sample location and depth interval.

Soil samples submitted for specific chemical analysis for the assessment of APEC were selected on the basis of visual inspection of the recovered cores, results of field screening, sample location and potential depth for impacts.

4.4. Field Screening Measurements

During the advancement of the boreholes, following collection of soil samples for laboratory analysis, remaining soils, were placed into sealable, single use plastic bags for the purpose of field screening. Total organic vapour (TOV) screening in the headspace of each soil sample was performed in the field using a RKI Eagle gas monitor calibrated with Hexane and Isobutylene (IBL). The measurements were made by inserting the probe of the instrument into the plastic sample bag while manipulating the sample to ensure volatilization of the soil gases.

Prior to use in the field, the RKI Eagle gas monitor was calibrated to the Manufacturer's specifications with default alarm limits and the sensor pre-calibrated with a standard calibration gas.

The TOV levels in the soil samples were recorded as non-detect. In the absence of any elevated vapour readings, visual and olfactory observations of soil samples were taken into consideration when determining which samples to submit to the laboratory for chemical analysis. Samples with field evidence of impact are targeted for analysis. At the investigated locations, samples were selected based on nature of media and sample depths and for general screening purposes.

4.5. Groundwater: Monitoring Well Installation

Under Phase Two ESA scope two (2) boreholes were instrumented with groundwater monitoring wells at the Site in boreholes BH10 to BH12. The monitoring wells were installed in general accordance with the Ontario Water Resources Act - R.R.O. 1990, Regulation 903/90 - amended to O.Reg.128/03 by a licensed well drilling contractor. Several other monitoring wells present on site from geotechnical and on going hydrogeological investigations were utilized for groundwater level information across the site.

The monitoring wells consisted of a 3 m length, 30 to 50 mm diameter PVC screen, and an appropriate length of new PVC riser pipe. All pipe connections were factory machined threaded flush couplings. The annular space around the wells was backfilled with well sand to 0.3 to 0.6 m above the top of the well screen. A bentonite seal was added from the top of the sand pack to approximately 0.3 m below ground surface. At surface, the monitoring wells were finished with flush mount protective casing, set in concrete.

When the monitoring wells are no longer required, they shall be decommissioned in accordance with the procedures outlined in the Ontario Water Resources Act - R.R.O. 1990, Regulation 903 - amended to O.Reg.128/03.

Measures taken to minimize the potential for cross contamination or the introduction of contaminants during well construction included:

- The use of new well pipe components (e.g., riser pipe and well screens) with factory machine threaded flush coupling joints.
- Construction of wells without the use of glues or adhesives.
- Retaining the protective plastic wrap on well components until the time of installation into the borehole to prevent contact with ground and other surfaces.

Monitoring well installation details are summarized in following table.

Table 4-2. Monitoring well Installation Details

Monitoring Well Location	Top of the Well elevation (m asl)	Screen interval (m bgs)	Screen interval Elevation (m asl)	Consultant
BH10	271.5	3.0 – 6.1	268.5 – 265.4	GEI
BH12	270.4	6.0 – 9.1	264.4 – 261.3	GEI

4.6. Monitoring Well Development

Upon completion of the monitoring well installation, the wells were checked for water levels prior to development. As both monitoring wells at BH10 and BH12 were dry, no well development activities were carried out.

4.7. Groundwater Monitoring

Groundwater monitoring, consisting of measuring the depth to groundwater in each monitoring well, was completed to assess the groundwater flow direction and to support groundwater sample collection.

The two monitoring wells installed specifically for Phase Two ESA, at BH10 and BH12 remained dry even after an elapsed period of 52 days.

Other existing monitoring wells previously installed by GEI as part of the geotechnical, Local Subwatershed, and hydrogeological studies—specifically in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 21, were included in the ongoing monthly long-term groundwater monitoring program under separate scope for hydrogeological study.

A summary of the groundwater monitoring data was reviewed and is presented in **Appendix XX**.

4.8. Monitoring Well Purging

Not applicable, as both monitoring wells at BH10 and BH12 remained dry even after an elapsed period of 52 days.

4.9. Field Measurements of Water Quality Parameters

Well purging prior to groundwater sample collection was monitored by taking field measurements of turbidity, redox, pH, specific conductance and temperature and water level. Measurements were collected every three minutes during purging. Well purging continued until the purged water had chemically stabilized as indicated by field parameter measurements, and the water was of sufficient clarity as indicated by turbidity measurements. The groundwater was considered to be chemically stable when the pH measurements of three (3) successive measurements agreed to within ± 1 pH units, the specific conductance within $\pm 10\%$, and turbidity $\pm 10\%$ of the average value of the three readings with the

temperature within $\pm 3\%$. Field parameters including pH, conductivity and temperature were monitored during monitoring well purging using a Horiba U-52 WQA multiparameter water quality meter.

Equipment used during groundwater monitoring were thoroughly cleaned and decontaminated between wells. Well purging details were documented on a log sheet or in a bound hard cover notebook.

4.10. Sediment Sampling

As no water body is present at the Site, sediment sampling is not applicable.

4.11. Analytical Testing

All analytical testing was performed by Eurofins, which is an accredited laboratory. Eurofins is accredited under the Standards Council of Canada/Canadian Association of Environmental Analytical Laboratories (Accredited Laboratory No. 852) in accordance with ISO/IEC 17025:2017 - "General Requirements for the Competence of Testing and Calibration Laboratories.

The following sections summarize the number and location of samples collected from each medium (e.g., soil, groundwater) and the types of analyses for which they were submitted.

4.11.1. Soil

Representative soil samples from each borehole were selected for laboratory analysis based on field screening results, sample location within the respective APEC and the depth interval. The requested laboratory analysis was based on the identified contaminants of potential concern. The representative soil samples selected for laboratory analysis, and the requested analyses are summarized below.

Table 4-3. Summary of Soil Samples Submitted for Chemical Analyses

Sample ID	Sampling Depth (m)	Date Sampled	Requested Analyses
BH1 SS1	0.0 – 0.6	April 03, 2025	BTEX, PHCs, Metals
BH2 SS1	0.0 – 0.6	April 03, 2025	BTEX, PHCs, Metals
BH3 SS1	0.0 – 0.6	April 03, 2025	BTEX, PHCs, Metals
BH4 SS1	0.0 – 0.6	April 03, 2025	VOCs, BTEX, PHCs, Metals, PAHs
BH4 SS3	1.5 – 2.1	April 03, 2025	VOCs, BTEX, PHCs
BH5 SS1	0.0 – 0.6	April 03, 2025	BTEX, PHCs, Metals
BH6 SS1	0.1 – 0.6	April 03, 2025	BTEX, PHCs, Metals
BH7 SS1	0.0 – 0.6	April 03, 2025	M&I, PAHs
BH8 SS1	0.0 – 0.6	April 03, 2025	M&I, BTEX, PHCs, PAHs
BH9 SS1	3.0 – 3.6	April 03, 2025	M&I, PAHs
BH10 SS1	0.1 – 0.6	April 03, 2025	M&I, OCs
BH10 SS2 (2'-4')	0.8 – 1.2	May 08, 2025	Metals
BH10 (5'-6')	1.5 – 2.0	May 08, 2025	Metals
BH10 N (3m)-S1	0.1 – 0.6	May 08, 2025	Metals
BH10 E (3m)-S1	0.1 – 0.6	May 08, 2025	Metals

Sample ID	Sampling Depth (m)	Date Sampled	Requested Analyses
BH10 W (3m)-S1	0.1 – 0.6	May 08, 2025	Metals
BH11 SS1	0.1 – 0.6	April 03, 2025	M&I, OCs
BH12 SS2	0.8 – 1.4	April 04, 2025	VOCs, BTEX, PHCs, Metals, PAHs
TP1	0.0 – 0.6	April 03, 2025	PCBs, BTEX, PHCs
TP2	0.0 – 0.6	April 03, 2025	PCBs, BTEX, PHCs
TP3	0.0 – 0.6	April 03, 2025	M&I, OCs
TP4	0.0 – 0.6	April 03, 2025	M&I, OCs, PCBs
TP5	0.0 – 0.6	April 03, 2025	M&I, OCs
TP6	0.0 – 0.6	April 03, 2025	M&I, OCs
TP7	0.0 – 0.6	April 03, 2025	M&I, OCs, PCBs
TP8	0.0 – 0.6	April 03, 2025	M&I, OCs
TP9	0.0 – 0.6	April 03, 2025	M&I, OCs
TP10	0.0 – 0.6	April 07, 2025	M&I, OCs
TP11	0.0 – 0.6	April 07, 2025	M&I, OCs
TP12	0.0 – 0.6	April 07, 2025	M&I, OCs
TP13	0.0 – 0.6	April 07, 2025	M&I, OCs
TP14	0.0 – 0.6	April 07, 2025	M&I, OCs
TP15	0.0 – 0.6	April 07, 2025	M&I, OCs
TP16	0.0 – 0.6	April 07, 2025	M&I, OCs
TP16	0.0 – 0.6	April 07, 2025	M&I, OCs
TP17	0.0 – 0.6	April 07, 2025	M&I, OCs
TP18	0.0 – 0.6	April 07, 2025	M&I, OCs
TP19	0.0 – 0.6	April 07, 2025	M&I, OCs
TP20	0.0 – 0.6	April 07, 2025	M&I, OCs
DUP1 (duplicate of TP3)	0.0 – 0.6	April 03, 2025	M&I, OCs
DUP2 (duplicate of BH4 SS3)	1.5 – 2.1	April 03, 2025	VOCs, BTEX, PHCs
DUP3 (duplicate of BH8 SS1)	0.0 – 0.6	April 03, 2025	M&I, PAHs
DUP4 (duplicate of TP1)	0.0 – 0.6	April 03, 2025	PCBs
DUP5 (duplicate of TP20)	0.0 – 0.6	April 07, 2025	OCs
DUP-BH10 SS2 (duplicate of BH10 SS2)	0.8 – 1.2	May 08, 2025	Metals

4.11.2. Groundwater Sampling

The two monitoring wells installed specifically for this Phase Two ESA, at Boreholes BH10 and BH12, remained dry as of June 25, 2025, despite more than 60 days having passed since installation. As a result, no groundwater sampling or testing could be completed.

4.12. Groundwater Level

The two monitoring wells installed specifically for Phase Two ESA, at BH10 and BH12 remained dry even after an elapsed period of more than 60 days.

Other existing on-site monitoring wells, previously installed by GEI as part of the Local Subwatershed, Geotechnical, and Hydrogeological Studies, were utilized for groundwater level monitoring. These wells included those installed in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 21. These wells are part of an ongoing monthly long-term groundwater monitoring program being conducted under a separate scope associated with the hydrogeological study.

A summary of the groundwater monitoring data from two recent rounds of monitoring is presented in the table below.

Table 4-4. Groundwater Levels in the Monitoring Wells

Monitoring Well Location	Depth / Elev. (m) of Well Screen	Strata Screened	Depth / Elev. (m) of Groundwater on March 6, 2025	Depth / Elev. (m) of Groundwater on May 29, 2025
BH/MW 10	3.0 to 6.1 / 268.5 to 265.4	Silt/Silty Fine Sand	Not installed	Dry
BH/MW 12	6.0 to 9.1 / 264.4 to 261.3	Sand	Not installed	Dry
Other On-site Monitoring Wells				
BH/MW 201	4.6 to 6.1 / 268.0 to 266.5	Silt, Some Sand	5.7 / 266.9	5.7 / 266.9
BH/MW 202	4.6 to 6.1 / 266.5 to 265.0	Silt, Some Sand	Dry	3.5 / 267.6
NW 204 D	13.7 to 15.2 / 255.8 to 254.3	Sand, Some Silt	12.4 / 257.2	12.4 / 257.2
NW 204 S	4.5 to 6.0 / 265.0 to 263.5	Silt, Some Sand	5.8 / 263.7	5.8 / 263.7
BH/MW 205	4.6 to 6.1 / 265.6 to 264.1	Clayey Silt Glacial Till	3.8 / 266.4	2.4 / 267.8
BH/MW 206	4.6 to 6.1 / 264.5 to 263.0	Silt, Some Sand	Dry	Dry
NW 208 D	7.6 to 9.1 / 251.2 to 249.7	Clayey Silt Glacial Till to Sand	-0.7 / 259.4	-0.7 / 259.4
NW 208 S	4.5 to 6.0 / 255.7 to 254.2	Clayey Silt Glacial Till	0.7 / 258.1	0.2 / 258.6
NW 209 D	7.6 to 9.1 / 251.0 to 249.5	Clayey Silt Glacial Till to Silt	-0.4 / 259.0	-1.0 / 259.6
NW 209 S	4.6 to 6.1 / 254.0 to 252.5	Clayey Silt Glacial Till	0.4 / 258.2	-0.1 / 258.7
NW 211 D	16.8 to 19.8 /	Sand to Silt	2.7 / 259.9	2.3 / 260.4

	245.8 to 242.8			
NW 211 S	4.6 to 6.1 / 258.0 to 256.5	Clayey Silt Glacial Till	2.3 / 260.3	1.5 / 261.1
NW 212 D	19.9 to 22.9 / 248.2 to 245.2	Sand	4.7 / 263.4	4.2 / 263.9
NW 212 S	4.6 to 6.1 / 263.5 to 262.0	Clayey Silt Glacial Till	1.6 / 266.5	1.6 / 266.5
BH/MW 215	4.6 to 6.1 / 256.0 to 254.5	Clay and Silt	2.4 / 258.2	2.8 / 257.8
BH/MW 20	4.5 to 6.0 / 264.1 to 262.6	Clayey Silt Glacial Till	1.5 / 267.1	1.2 / 267.3
BH/MW 21	4.5 to 6.0 / 261.9 to 260.4	Sand	5.8 / 260.6	5.0 / 261.4
BH/MW 23	10.6 to 12.1 / 257.5 to 256.0	Sand and Gravel	11.5 / 256.7	11.4 / 256.7
NW 24 D	4.5 to 6.0 / 259.4 to 257.9	Clayey Silt Glacial Till	2.8 / 261.1	2.4 / 261.5
NW 24 S	0.8 to 2.3 / 263.0 to 261.5	Clayey Silt Glacial Till	0.6 / 263.2	0.4 / 263.4
BH/MW 26	4.5 to 6.0 / 256.3 to 254.8	Sand Layered with Silt	1.5 / 259.3	1.2 / 259.6
BH/MW 28	4.5 to 6.0 / 259.4 to 257.9	Clayey Silt Glacial Till	2.5 / 261.3	2.1 / 261.8
BH/MW 29	12.2 to 15.2 / 246.7 to 243.7	Sand and Silt Glacial Till	-0.9 / 259.8	-0.9 / 259.8
BH/MW 35	4.6 to 6.1 / 255.4 to 253.9	Sandy Silt Glacial Till	4.0 / 256.0	1.5 / 258.4
BH/MW 101	16.8 to 19.8 / 250.3 to 247.3	Gravelly Sand to Sand and Silt	10.9 / 256.3	10.7 / 256.4
BH/MW 102	16.8 to 19.8 / 248.6 to 245.6	Sand and Silt Glacial Till to Silt	5.2 / 260.2	3.7 / 261.7

The stabilized groundwater levels measured across the site varied depending on the depth of the monitoring wells and the soil units in which they were screened. Based on readings taken on March 6, 2025, groundwater levels within the upper clayey silt glacial till and shallower sand/silt units ranged from approximately 0.4 to 5.8 m below grade, with the exception of a few wells (approximately 6 m deep) that remained dry, indicating groundwater is likely deeper at those locations.

In contrast, groundwater levels within the deeper cohesionless aquifer units—comprising sand, sand and gravel, and gravelly sand—on the eastern portion of the site typically ranged from 10.9 to 12.4 m below grade. However, one deep well (BH102) recorded a groundwater level at a shallower depth of 5.2 m below grade.

Flowing artesian conditions were observed in the southernmost portion of the Site, as indicated by deeper monitoring wells at Boreholes 208D, 209D, and 29, which were screened partially within the deeper

cohesionless aquifer. At these locations, groundwater levels were recorded between 0.4 and 0.9 m above grade.

4.13. Residue Management Procedures

Since most of the boreholes were advanced by using manual direct push portable equipment, no significant soil cuttings were generated. Soil cuttings retrieved from drilling of boreholes BH10 and BH12 were contained in drilling contractor supplied drums.

4.14. Elevation Survey

An elevation survey was conducted by GEI staff to obtain vertical control for the newly installed borehole and monitoring well locations. Ground surface elevations for all boreholes were collected using Trimble RTK GNSS equipment. For boreholes located inside the site buildings (BH4, BH5, and BH11), elevations were estimated by obtaining readings from adjacent exterior locations. These values were then manually adjusted based on a visual assessment of the relative elevation difference between the interior borehole location and the nearby exterior reference point.

4.15. Quality Assurance and Quality Control Measures

Quality Assurance/Quality Control (QA/QC) measures, as set out in the Site Sampling and Analysis Plan, were implemented during sample collection, storage and transport to provide data representative of conditions in the surficial fill and upper overburden soils and the water table aquifer. The QA/QC measures included decontamination procedures to minimize the potential for sample cross contamination, the execution of standard operating procedures to collect representative and unbiased samples, the collection of quality control samples to evaluate sample precision and accuracy, and the implementation of measures to preserve sample integrity.

Decontamination protocols were followed during sample collection and handling to minimize the potential for cross-contamination. During the collection of soil samples, split-spoon samplers were scraped and decontaminated between sampling intervals by washing with a potable water/phosphate-free detergent solution followed by a rinse with potable water. New disposable nitrile gloves were used for the handling and collection of samples from discrete soil intervals and for sample collection from each borehole/monitoring well.

Soil samples selected for chemical analyses were collected from the retrieved soil cores and placed directly into new, laboratory-supplied glass jars or vials (vials for VOC samples contained laboratory prepared methanol). Sample volumes were consistent with analytical test group requirements as specified by the receiving laboratory.

Measures were followed to preserve sample integrity between sample collection and receipt by the laboratory. Collected soil samples were placed in insulated coolers pre-chilled with ice/icepacks for storage and transport to the laboratory. Samples were received by the laboratory within specific analytical test group holding time requirements.

Documentation procedures were followed to confirm sample identification and to track sample movement. Each sample was assigned a unique identification ID number, which was recorded along with the date of sampling and requested analyses on labels affixed to the sampling containers. Standard Chain of Custody protocols were followed to track sample handling and movement until receipt by the laboratory.

Field soil QA/QC samples (field duplicates) were collected during the field program. Duplicate soil samples were collected for QA/QC purposes and submitted for analytical testing as detailed in Section 5.8

5. Review and Evaluation

5.1. Geology

The Phase Two ESA field investigative activities comprised drilling of fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11 and BH12) and twenty (20) test pits (TP1 to TP20). The depths of the boreholes ranged from approximately 0.8 m to 9.1 m bgs and the test pits were hand-dug using a shovel to a depth of approximately 0.3 m bgs.

As part of GEI's Local Subwatershed, Geotechnical, and Hydrogeological Studies to support the future development of the Site, several boreholes and monitoring wells were previously drilled on-site by GEI. Previous investigation included Boreholes BH201 to BH215 which were drilled between November and December 2024. Prior to that, between April and May 2025, approximately 15 boreholes (BH19 to BH26, BH28, BH29, BH32, BH35, BH36, BH101, and BH102) were advanced as part of a Local Subwatershed Study conducted by GEI for the Site and surrounding properties. A separate plan showing the locations of these previous boreholes and monitoring wells is provided as Figure 6.

Since the majority of boreholes advanced at the Site specifically for the Phase Two ESA were shallow, except for BH10 and BH12, which were drilled to depths of 6.1 m and 9.1 m bgs, respectively—additional geological information was gathered by reviewing previously drilled boreholes by GEI, including BH201 to BH215, BH19 to BH26, BH28, BH29, BH32, BH35, BH36, BH101, and BH102. These boreholes were used to prepare geological cross-sections across the Site, which are presented as Figures 6A and 6B.

Borehole logs describing geologic details of the soil cores recovered during the Site drilling activities are presented in Appendix C which included boreholes drilled specifically for Phase Two Esa as well as previously drilled boreholes. Boundaries of soil indicated on the log sheets are intended to reflect transition zones for the purpose of environmental assessment and should not be interpreted as exact planes of geological change.

The general stratigraphy at the Site, as observed in the boreholes, consists of concrete, topsoil, or fill underlain by native deposits. These native soils typically comprise clayey silt till, followed by layers of silt, clayey silt, or silty clay in some boreholes, and cohesionless deposits such as sand, silt, silty sand, sandy silt, sand and gravel, or sandy gravel in others.

A brief description of the soil stratigraphy at the Site, in order of depth, is summarized in the following sections. This information is based on the borehole logs from fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11, and BH12) drilled specifically for the Phase Two ESA, as well as from previously advanced boreholes (BH201 to BH215, BH19 to BH26, BH28, BH29, BH32, BH35, BH36, BH101, and BH102) completed as part of Local Subwatershed, geotechnical, hydrogeological studies.

5.1.1. Concrete/ Topsoil

In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W and BH11, a surface layer of concrete ranging approximately 50 to 150 mm in thickness was encountered.

In all remaining boreholes except BH5, BH9 and BH12, topsoil was encountered at the surface, with thicknesses ranging from approximately 50 mm to 280 mm. It should be noted that topsoil thickness may vary across the site and between borehole locations. Due to the wide spacing of boreholes, the observed topsoil depths may not accurately represent topsoil volumes across the entire site.

5.1.2. Fill Material

In boreholes BH5, BH9, and BH12, fill material was encountered directly at the surface. In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W, and BH11, fill was observed beneath a surficial concrete layer. Additionally, in some boreholes, fill material—likely consisting of disturbed native soils—was encountered below the topsoil layer.

The composition of the fill in boreholes BH5, BH6, BH9, BH10, BH10N, BH10E, BH10W, and BH11 ranged from sand and sand with gravel to sandy silt with some gravel, which may indicate the presence of imported fill. In the remaining boreholes, the fill is likely comprised of disturbed on-site native material (possibly from historic farming practices) comprising brown clayey silt to sandy silt.

Boreholes BH4, BH7, BH8 and BH11 were terminated in the fill layer at depths ranged from approximately 0.8 to 2.3 m bgs.

No hydrocarbon or other chemical odours or staining suggestive of significant contamination were observed in the recovered fill samples. The fill—potentially a mix of imported and on-site disturbed material—extended to depths ranging from approximately 0.8 to 2.3 m bgs.

5.1.3. Native Soil

Clayey Silt Till

Underneath the concrete/topsoil/fill materials, the site was predominantly underlain by clayey silt till. The cohesive glacial till was encountered in Boreholes 19 to 26, 28, 29, 32, 35, 36, 102, 201 to 215 and BH1 to BH3, BH6, BH6, BH10 and BH12 extending to depths of 1.5 to 13.7 m below grade (Elev. 269.2 to 249.6 m). The clayey silt glacial till was typically brown and moist, turning grey with depth.

Layered Clay and Silt

Layered clay and silt deposits with varying amount of sand and silt with trace to some clay, was encountered underlying the clayey silt till in Boreholes 211, 212, 214, and 215, at depths of 4.6 to 13.7 m below grade (Elev. 254.4 to 256.0 m). The deposits extended to depths of 15.2 to 16.8 m below grade (Elev. 247.4 to 251.4 m) in Boreholes 211 and 212, and extended beyond the 6.6 m depth of drilling in Boreholes 214 and 215.

Silt/ Sand/Silty Fine Sand

Cohesionless deposits comprising silt and/or sand were encountered underlying the clayey silt till in Boreholes 19, 21, 23, 25, 26, 29, 102, 201 to 204, 206 to 209, BH 10 and BH12 and underlying the layered clay and silt in Boreholes 211 and 212. The cohesionless deposits were encountered directly below the

topsoil and/or fill layer in Borehole 101 and BH9. The cohesionless deposits were brown to grey and moist, becoming wet with depth.

Sand & Gravel, Gravelly Sand

Below cohesionless deposits comprising silt and/or sand, in Boreholes 23 and 101, a coarser deposit of sandy gravel to gravelly sand was encountered at depths between 9.1 to 16.8 m bgs.

Lower Cohesionless Glacial Till

A deeper cohesionless glacial till deposit (referred as “Lower”) was encountered underlying the cohesive glacial till in Boreholes 35 and 213 at 3.0 to 4.6 m below grade (Elev. 262.2 to 255.4 m) and underlying the sands and /or silts in Boreholes 29 and 102 at 12.2 to 13.7 m (Elev. 246.6 to 251.7 m). The deposit extended beyond the depth of drilling in Boreholes 29, 35, and 213 at 6.6 to 15.7 m, and extended to 18.3 m (Elev. 247.1 m) in Borehole 102.

The glacial till had a cohesionless matrix consisting of sand and silt to sandy silt, with trace to some clay and trace gravel, locally silt with some sand.

5.1.4. Bedrock

Bedrock was not encountered in boreholes drilled at the Site by GEI. The deepest borehole drilled at the Site was to a depth of 23.3 m bgs.

Refer to the geological cross sections in Figures 6A and 6B for an overview of the Site stratigraphy.

5.2. Groundwater Elevations and Flow Direction

The two monitoring wells installed specifically for Phase Two ESA, at BH10 and BH12 remained dry even after an elapsed period of more than 60 days. As a result, they could not be used for groundwater sampling or for establishing groundwater level elevations. Other existing on-site monitoring wells, previously installed by GEI as part of the Local Subwatershed, Geotechnical, and Hydrogeological Studies, were utilized for groundwater elevations and flow direction.

The monitoring well network consists of existing on-site 26 monitoring wells previously installed by GEI in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 21, which were included in the ongoing monthly long-term groundwater monitoring program under separate scope for hydrogeological study.

The soil stratigraphy across the Site is variable, and the subsurface units appear to be discontinuous. Therefore, for high-level discussion purposes, two (2) hydrostratigraphic units were considered to be present at the Site:

- An upper glacial till unit generally clayey silt till and is interbedded with localized sand and silt deposits in some areas; and
- A deeper cohesionless unit, comprising sand/silty fine sand/silt/sand and gravel/gravelly sand.

Based on readings taken on March 6, 2025, groundwater levels measured from monitoring wells screened within the upper glacial till unit ranged from approximately 0.4 to 5.8 m below grade, with the exception of a few wells (approximately 6 m deep) that remained dry, indicating groundwater is likely deeper at those specific locations.

The groundwater levels measured from wells screened within the deeper cohesionless unit/aquifer on the eastern portion of the Site typically ranged from 10.9 to 12.4 m below grade, with the exception of Borehole BH102, where groundwater was encountered at a shallower depth of 5.2 m below grade, despite the well being screened deeper.

Additionally, it is noteworthy that flowing artesian conditions were observed in the southernmost portion of the Site, as indicated by deeper monitoring wells at Boreholes 208D, 209D, and 29, which were screened partially within the deeper cohesionless aquifer. At these locations, groundwater levels were recorded between 0.4 and 0.9 m above grade.

Groundwater levels upper glacial till unit are expected to show seasonal fluctuations and vary in response to prevailing climate conditions. Based on groundwater data collected from the Site, the local groundwater flow direction is expected to mimic the site topography. It is anticipated that groundwater flows within upper glacial till unit will be towards topographic lows.

The interpreted groundwater contours based on groundwater elevation data collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit are presented on Figure 7. Based on this groundwater contours plan, local groundwater flow on the site appears to have a general trend towards the southeast, influenced by presence tributaries of the West Humber River.

5.2.1. Groundwater: Hydraulic Gradients

The horizontal hydraulic gradient, between each monitoring well pair, is calculated using the following equation:

$$i = \frac{\Delta h}{\Delta x}$$

Where,

i (dimensionless) is the horizontal hydraulic gradient

Δh (m) is the groundwater elevation difference

Δx (m) is the distance over which that groundwater elevation difference occurs

The horizontal hydraulic gradient in groundwater, based on groundwater level measurements collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit, varied between 0.002 m/m and 0.046 m/m with geometric mean calculated to be 0.008 m/m.

The vertical hydraulic gradient was evaluated from selected nested well pairs- 204D/S, 211D/S and 212D/S based on groundwater level measurements collected on March 06, 2025. The vertical hydraulic gradient varied between 0.029 m/m and 0.714 m/m with geometric mean calculated to be 0.15 m/m.

5.3. Soil Texture

Grain size analysis was conducted on several soil samples, as documented in the geotechnical report. For ease of reference, the grain size distribution curves have been extracted from the report and included in Appendix G. The results confirm that the on-site soils consist of a combination of medium- to fine-textured and coarse-textured materials. For the purposes of this Phase Two ESA, and following a conservative (i.e., worst-case) approach, the soils have been classified as coarse-grained.

5.4. Soil Field Screening

The soil samples were field screened for visual, textural, and olfactory indicators of the potential presence of impacts. Collected soil samples were additionally screened with an RKI Eagle 2 portable gas monitor calibrated with Hexane and Isobutylene (IBL) as described in Section 4.4.

In the absence of any elevated vapour readings, visual and olfactory observations of soil samples were taken into consideration when determining which samples to submit to the laboratory for chemical analysis. Samples with field evidence of impact are targeted for analysis. At the investigated locations, samples were selected based on nature of media and sample depths and for general screening purposes.

5.5. Soil Quality

In accordance with the scope of work, chemical analyses were performed on selected soil samples recovered from the boreholes. The selection of representative “worst case” soil samples was based on field screening, visual and/or olfactory evidence of impacts, and the presence of potential water bearing zones. Copies of the laboratory Certificates of Analysis for the analyzed soil samples are provided in Appendix E.

5.5.1. *Organochlorine Pesticides (OCs)*

A total of 22 near surface soil samples including 2 duplicates were submitted for the analysis of OCs. The concentrations of OCs in all analyzed samples were recorded at concentrations below laboratory RDLs and were also below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 8.

5.5.2. *Metals and Hydride Forming Metals*

A total of 38 soil samples including 3 duplicates were submitted for the analysis of Metals and hydride-forming Metals. With exception of Cadmium and Uranium exceedance in the near surface fill samples from Boreholes BH10, the test results indicated that the concentrations of all parameters in all tested samples were detected below the selected Table 1 SCS.

The elevated Cadmium and Uranium concentrations recorded in samples from BH10 are shown in the following table as “13.0”.

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	<u>1.9</u> vs 1.2
		Uranium	<u>13.0</u> vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	<u>1.7</u> vs 1.2
		Uranium	<u>11.8</u> vs 2.5

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 9, 9A and 9B.

5.5.3. Other Regulated Parameters (ORPs)

A total of 23 soil samples including 2 duplicates were submitted for analysis of ORPs including Cr (VI), Hg, CN, B-HWS, pH, EC and SAR. The test results indicated that all parameters were detected below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 10.

5.5.4. PAHs

A total of 6 soil samples including 1 duplicate were submitted for the analysis of PAHs. The concentrations of PAHs in all analyzed samples were recorded at concentrations below laboratory RDLs and were also below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 11.

5.5.5. BTEX and PHCs

A total of 12 soil samples including 1 duplicate were submitted for the analysis of BTEX and PHCs. The concentrations of BTEX and PHCs in all analyzed samples were recorded at concentrations below laboratory RDLs and were also below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 12.

5.5.6. VOCs

A total of 4 soil samples including 1 duplicate were submitted for the analysis of VOCs. The concentrations of VOCs in all analyzed samples were recorded at concentrations below laboratory RDLs and were also below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 13.

5.5.7. PCBs

A total of 6 soil samples including 1 duplicate were submitted for the analysis of PCBs. The concentrations of PCBs in all analyzed samples were recorded at concentrations below laboratory RDLs and were also below the selected Table 1 SCS.

Analytical results are provided in Appendix D, Certificates of Analysis are provided in Appendix E, and tested locations are shown on Figures 14.

5.5.8. Chemical Transformation and Soil Contaminant Sources

Cadmium and Uranium, both belonging to the metals group, were identified in near-surface soil samples from one location (BH10) at concentrations exceeding the selected Table 1 SCS. These exceedances were confined to shallow fill material, which is inferred to be associated with poor-quality fill imported during the placement of a concrete slab in the area of BH10. Given the nature of these compounds and the limited depth of impact, chemical transformation (i.e., the presence of parent compounds and their degradation products) is not anticipated to have occurred on the property.

5.5.9. Evidence of Non-Aqueous Phase Liquid

Inspection of the soil cores retrieved from all boreholes did not indicate the presence of non-aqueous phase liquid (NAPL), sheen, staining, or odour.

5.6. Groundwater Quality

The two monitoring wells installed specifically for this Phase Two ESA, at Boreholes BH10 and BH12, remained dry as of June 25, 2025, despite more than 60 days having passed since installation. As a result, no groundwater sampling or testing could be completed.

5.7. Sediment Quality

There are two surface water bodies present on-Site, no sediment sampling was completed as no potential environmental concerns were identified near the water bodies.

5.8. Quality Assurance and Quality Control Measures

QA/QC measures were implemented during the field activities to meet the objectives of the sampling and QA/QC plan to collect unbiased and representative samples to characterize existing conditions in the fill/upper overburden materials and the water table aquifer unit at the Site. The QA/QC measures included:

- The collection of soil and groundwater samples following standard operating procedures.
- The implementation of decontamination procedures to minimize the potential for sample cross contamination.

- The collection of recommended analytical test group specific sample volumes into new laboratory supplied containers provided with necessary preservatives, as required.
- Sample preservation in insulated coolers pre-chilled with ice/icepacks and meeting holding time requirements.
- Sample documentation including Chain of Custody protocols.
- The collection of QC samples.

Soil and groundwater samples were collected using new, sample dedicated, disposable nitrile gloves and individual sample containers. Groundwater samples were collected using dedicated sampling equipment (LDPE tubing). Equipment that was used across different sample locations (i.e., interface probe/water level tape) was washed using a three-part wash process (water with phosphate free detergent and two to three distilled water rinses) to reduce the likelihood of cross contamination between sample locations.

No notable deviations from standard field or sample collection procedures were identified. It is considered that sample integrity and representativeness was maintained.

Review of field activity documentation indicated that recommended sample volumes were collected from soil and groundwater for each analytical test group into appropriate containers and preserved with proper chemical reagents in accordance with the protocols set out in the “Protocol for Analytical Methods used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act”, dated March 9, 2004, amended as of July 1, 2011 (MECP 2011b). Samples were preserved at the required temperatures in pre-chilled, insulated coolers and met applicable holding time requirements, when relinquished to the receiving laboratory.

Field QA/QC samples were collected during the soil and groundwater sampling. Duplicate samples were collected to evaluate sampling and analytical precision.

Six (6) duplicate soil samples were collected for QA/QC purposes as summarized below.

Table 5-1. Summary of QA/QC Samples (Soil)

Sample ID- original	Duplicate Sample Identification	Analytical Test Group
TP3	DUP1	M&I, OCs
BH4 SS3	DUP2	VOCs, BTEX, PHCs
BH8 SS1	DUP3	M&I, PAHs
TP1	DUP4	PCBs
TP20	DUP5	OCs
BH10 SS2	DUP-BH10 SS2	Metals

The field duplicate sample results were quantitatively evaluated by calculating the relative percent difference (RPD). Where quantifiable, the assessment of duplicate soil and groundwater samples demonstrated that the results met the analytical test group–specific acceptance criteria, as outlined in the *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act* (dated March 9, 2004, amended July 1, 2011; MECP, 2011b). An exception was noted for soil testing results for fill samples BH10 SS2 and DUP- BH10 SS2 which did not meet the acceptance criteria.

This discrepancy is attributed to the heterogeneous nature of the fill material, where quality can vary significantly even within closely spaced pockets of the same sample. Overall, the results indicate that the soil and groundwater samples were analyzed with an acceptable level of precision, and the data quality is sufficient to meet the objectives of Phase Two ESA.

The subcontract laboratory used during this investigation, Eurofins, is accredited by the Standards Council of Canada/Canadian Association of Environmental Analytical Laboratories (Accredited Laboratory No. 852) in accordance with ISO/IEC 17025:2017 - "General Requirements for the Competence of Testing and Calibration Laboratories".

Certificates of Analysis were received from Eurofins reporting the results of all the chemical analyses performed on the submitted soil and groundwater samples. Copies of the Eurofins Certificates of Analysis are provided in Appendix F. Review of the Certificates of Analysis prepared by Eurofins indicates that they were in compliance with the requirements set out under subsection 47(3) of O.Reg.153/04.

The analytical program conducted by Eurofins included analytical test group specific QA/QC measures to evaluate the accuracy and precision of the analytical results and the efficiency of analyte recovery during solute extraction procedures. The laboratory QA/QC program consisted of the preparation and analysis of laboratory duplicate samples to assess precision and sample homogeneity, method blanks to assess analytical bias, spiked blanks and QC standards to evaluate analyte recovery, matrix spikes to evaluate matrix interferences, and surrogate compound recoveries (VOCs only) to evaluate extraction efficiency. The laboratory QA/QC results are presented in the Quality Assurance Report provided in the Certificate of Analysis prepared by Eurofins. The QA/QC results are reported as percent recoveries for matrix spikes, spike blanks and QC standards, RPDs for laboratory duplicates, and analyte concentrations for method blanks.

The Eurofins QA/QC results were assessed against test group control limits in the case of spiked blanks, matrix spikes and surrogate recoveries, and alert criteria in the case of method blanks and laboratory duplicates. Review of the laboratory QA/QC results reported by Eurofins indicated that they were within acceptable control limits or below applicable alert criteria for the sampled media and analytical test groups.

Based on the assessment of the QA/QC program and results, the analytical results reported by Eurofins are of acceptable quality and data qualifications are not required.

5.9. Remediation Activities

GEI retained an excavation subcontractor-Terra Firma Environmental Services to carry out the removal of soil impacted with Cadmium and Uranium, which exceeded the Table 1 SCS from the area surrounding Borehole BH10. Remediation activities, including excavation, confirmatory sampling, and backfilling, were conducted between August 13 and September 3, 2025.

For details regarding remediation activities refer to Appendix H.

5.10. Phase Two ESA Conceptual Site Model

This section presents a Phase Two ESA Conceptual Site Model (CSM) providing a narrative, graphical and tabulated description integrating information related to the Site geologic and hydrogeologic conditions, areas of potential environmental concern/potential contaminating activities, the presence and distribution of potential contaminants of concern, contaminant fate and transport, and potential exposure pathways.

5.10.1. Introduction

The Site is located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario, as shown on Figure 1. The Site is irregular in shape and encompasses approximately 178 acres (72 hectares) in total area. The municipal addresses associated with the Site include: 12933 Bramalea Road, 5089 Old School Road, 5101 Old School Road, 5155 Old School Road.

The Site is currently under a combination of commercial, agricultural, and residential uses. A large portion of the Site consists of undeveloped agricultural fields, along with several farm-related buildings and a cluster of grain storage silos located in the western portion of the property. These silos are used for commercial grain storage on behalf of third parties. The northern portion of the Site contains three (3) residential dwellings fronting onto Old School Road. The Site is not connected to enbridge gas service or municipal service for water and wastewater. One (1) potable dug water supply well was observed at 12933 Bramalea Road. This well serves as the primary source of potable water for the entire Site, including the residences along Old School Road.

Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies. The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 17 m from the northwest corner to the southeast corner.

Refer to the following table summarizing the Phase Two Property information.

Site Details	
Municipal Addresses	• 12933 Bramalea Road, Caledon East • 5089 Old School Road, Caledon East • 5101 Old School Road, Caledon East • 5155 Old School Road, Caledon East
Current Owner	TACC Developments (Armstrong) LTD.
Owner Address	600 Applewood Crescent, Vaughan, Ontario L4K 4R1
Owner Contact Person	Mr. Christopher Sivry, Development Counsel
Legal Description	Part Lot 21 and 22, Concession 5, East of Hurontario Street, (Geographic Township of Chinguacousy), Town of Caledon, Region Municipality of Peel

Site Details	
Property Identification Number (PIN)	• 14347-0377 (LT) • 14347-0378 (LT) • 14347-0379 (LT) • 14347-0380 (LT)
Property Size	178 acres (72 hectares)
Approximate Universal Transverse Mercator (UTM) coordinates	Zone: 17 Easting: 596426 m Northing: 4849206 m (1m, NAD83, Google Earth Pro)

Based on our review of available historical records, the Site has been historically used for agricultural purposes. In the 1954 aerial photograph, the Site is shown as farm fields with a barn, visible in the northwest portion of the Site. By the 1960s, a residential dwelling had been constructed fronting onto Old School Road; this corresponds to the current house located at 5089 Old School Road. In the late 1970s, commercial farming operations were initiated, as evidenced by the addition of three grain storage silos. Around the same time, a building was constructed to the north of the silos, which currently serves as the maintenance shop and farming equipment storage shed. In the late 1980s, additional development occurred with the construction of two more silos and the current office building located west of the silos cluster. During the same period, two more residential dwellings were added along the northern portion of the Site, also fronting onto Old School Road.

By the late 1990s, the commercial grain storage and farming business appeared to have expanded further, with the addition of a few more silos.

The Site is proposed for residential subdivision development.

The Site is surrounded by agricultural lands, scattered residential properties, and golf courses. The Site is bounded by Old School Road to the north, with farmlands beyond; Bramalea Road to the west, followed by a golf course; farmland and another golf course to the east; and farmland to the south.

5.10.2. Potentially Contaminating Activities (PCAs)

A total of 12 PCAs were identified at the Site and within the Phase One Study Area, as listed below:

On-Site PCAs

- **PCA 1:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and historical agricultural use.
- **PCA 2:** PCA #28 Gasoline and associated products storage in a fixed tank, due to presence of three (3) ASTs storing fuel oil for refueling farm equipment.
- **PCA 3:** PCA #28 Gasoline and associated products storage in a fixed tank, due to presence of one (1) AST storing waste oil.
- **PCA 4:** PCA #Other-Staining, due to presence of stained area on concrete floor inside the Maintenance shop – Building B.

- **PCA 5:** PCA #52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems, due to storage of hydraulic oil drums inside the Maintenance shop-Building B
- **PCA 6:** PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage, due to bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A
- **PCA 7:** PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage, due to bulk storage of granular/powder fertilizer inside Building A
- **PCA 8:** PCA #30 Importation of fill of unknown quality, within footprints of former farm buildings.
- **PCA 9:** PCA# 55 Transformer Manufacturing, Processing and Use, due to presence of pole mounted transformer located west of Building B
- **PCA 10:** PCA# 55 Transformer Manufacturing, Processing and Use, due to presence of pole mounted transformer located west of Building D.

Off-Site PCAs

- **PCA 11:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and historical agricultural use. Associated with golf course property located across the Site, on west side of Bramalea Road.
- **PCA 12:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and historical agricultural use. Associated with golf course property located adjacent to the southeast portion of the Site.

All On-site PCAs were carried forward as contributing to APECs for the Phase One Property. The two offsite PCA 11 and PCA 12, both associated with #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications were not identified as contributing APECs. OC pesticides are generally considered to have low mobility in soil and groundwater due to their strong sorption to soil particles and low water solubility. As such, the potential near-surface application of OC pesticides on surrounding golf course properties is not considered to represent an APEC to the Site.

All PCAs identified at the Site and within the Phase One ESA Study Area are further presented in the tabulated form below:

Table 5-2. Potentially Contaminating Activities in the Phase One Study Area

PCA Identifier	Address	Location of Activity (In relation to Site)	Potentially Contaminating Activity (PCA)	Description and Approximate timeline that PCA Occurred	Contribution to APEC at the Site
1.	12933 Bramalea Road, Caledon	On-Site	PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents)	Potential use of pesticides and fertilizers on farming lands prior to 1950s to current	Yes On-Site PCA

			Manufacturing, Processing, Bulk Storage and Large-Scale Applications		
2.	12933 Bramalea Road, Caledon	On-Site	PCA #28 Gasoline and associated products storage in a fixed tank	Presence of three (3) ASTs for refueling farm equipment - one (1) 1,350 L AST storing gasoline, one (1) 2,200 L AST storing diesel and one (1) 4,500 L AST storing dyed diesel. These metal tanks were placed adjacent to each other directly on bare soil, without secondary containment. The ASTs appeared to be in good condition, and no staining or evidence of leakage was observed in their vicinity.	Yes On-Site PCA
3.	12933 Bramalea Road, Caledon	On-Site	PCA #28 Gasoline and associated products storage in a fixed tank	One (1) AST storing waste oil was identified along the north wall of Building B at 12933 Bramalea Road. This AST appeared to be very old and showed signs of rusting; however, no staining or signs of leakage were observed in the surrounding area	Yes On-Site PCA
4.	12933 Bramalea Road, Caledon	On-Site	PCA # Other Staining	During Site Visit, staining was observed on the concrete floor inside Building B - maintenance shop area, at the northeast corner. The floor was not in great condition.	Yes On-Site PCA
5.	12933 Bramalea Road, Caledon	On-Site	PCA#52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems	Three (3) hydraulic oil drums and several plastic pails storing lubricant oil was storage inside the Building B, placed on bare ground. No staining was observed in this area.	Yes On-Site PCA

6.	12933 Bramalea Road, Caledon	On-Site	PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	Six (6) 1,550-gallon plastic tanks containing liquid fertilizer were observed placed on a concrete pad north of Building A. The concrete pad was observed to be in poor condition with several cracks.	Yes On-Site PCA
7.	12933 Bramalea Road, Caledon	On-Site	PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	Bulk storage of granular/powder fertilizer was noted inside Building A. The concrete floor was observed to be in good condition.	Yes On-Site PCA
8.	12933 Bramalea Road, Caledon	On-Site	PCA #30 Importation of fill of unknown quality	Potential fill associated within former farm building footprints	Yes On-Site PCA
9.	12933 Bramalea Road, Caledon	On-Site	PCA# 55 Transformer Manufacturing, Processing and Use	Presence of pole mounted transformer located west of Building B. No staining or stressed vegetation was noted on ground in the vicinity of the pole.	Yes On-Site PCA
10.	12933 Bramalea Road, Caledon	On-Site	PCA# 55 Transformer Manufacturing, Processing and Use	Presence of pole mounted transformer located west of Building D. No staining or stressed vegetation was noted on ground in the vicinity of the pole.	Yes On-Site PCA
11.	4901- 4907 Old School Road, Caledon	Off-Site	PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Potential use of pesticides on surrounding golf course property.	No Pesticides are generally considered to have low mobility in soil and groundwater due to their strong sorption to soil particles and low water solubility. As such, the potential near-surface application of OC pesticides on surrounding golf course properties is not considered to

					represent an APEC to the Site.
12.	12552 Bramalea Road, Caledon	Off-Site	PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Potential use of pesticides on surrounding golf course property.	No Pesticides are generally considered to have low mobility in soil and groundwater due to their strong sorption to soil particles and low water solubility. As such, the potential near-surface application of OC pesticides on surrounding golf course properties is not considered to represent an APEC to the Site.

Notes:

1. Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area.

The PCAs both on-Site and off-Site within the Phase Two Study Area are shown in Figure 2.

5.10.3. Areas of Potential Environmental Concern

Based on review of all 45 PCAs, it is the opinion of the Qualified Person for Environmental Site Assessment (QPESA) that the following 4 PCAs may have contributed to, or may be contributing to, APECs at the Site:

Table 5-3. Areas of Potential Environmental Concern (APECs):

Site.

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
Potential use of pesticides and fertilizers on farming lands	Entire Phase One Property	PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents)	On-Site (PCA 1)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury,	Soil

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
(APEC 1)		Manufacturing , Processing, Bulk Storage and Large-Scale Applications		cyanide, boron (HWS) and OCs	
Presence of three (3) aboveground fuel oil tanks for refueling farm equipment (APEC 2)	Within Northwest quadrant - Phase One Property	PCA #28 Gasoline and associated products storage in a fixed tank	On-Site (PCA 2)	Metals, BTEX, PHCs	Soil
Presence of an aboveground old waste oil aboveground tank (APEC 3)	Within Northwest quadrant - Phase One Property	PCA #28 Gasoline and associated products storage in a fixed tank	On-Site (PCA 3)	Metals, BTEX, PHCs	Soil
Stained area inside the Maintenance shop- Building B (APEC 4)	Within Northwest quadrant - Phase One Property	PCA #Other - Staining	On-Site (PCA 4)	Metals, VOCs, BTEX, PHCs, PAHs	Soil
Hydraulic oil drums and plastic pails storing lubricant placed inside the maintenance shop-Building B on bare ground (APEC 5)	Within Northwest quadrant - Phase One Property	PCA#52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems	On-Site (PCA 5)	Metals, VOCs, BTEX, PHCs	Soil
Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A (APEC 6)	Within Northwest quadrant - Phase One Property	PCA #22 Fertilizer Manufacturing , Processing and Bulk Storage	On-Site (PCA 6)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and OCs	Soil

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
Bulk storage of granular/powder fertilizer inside Building A (APEC 7)	Within Northwest quadrant - Phase One Property	PCA #22 Fertilizer Manufacturing , Processing and Bulk Storage	On-Site (PCA 7)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and OCs	Soil
Potential fill associated within former farm buildings footprints (APEC 8)	Within Northwest quadrant - Phase One Property	PCA #30 Importation of fill of unknown quality	On-Site (PCA 8)	Metals, hexavalent chromium, mercury, arsenic, antimony, selenium, cyanide, boron (HWS), and PAHs	Soil
Presence of pole mounted transformer located west of Building B (APEC 9)	Within Northwest quadrant - Phase One Property	PCA# 55 Transformer Manufacturing , Processing and Use	On-Site (PCA 9)	BTEX, PHCs and PCBs	Soil
Presence of pole mounted transformer located west of Building D (APEC 10)	Within Northwest quadrant - Phase One Property	PCA# 55 Transformer Manufacturing , Processing and Use	On-Site (PCA 10)	BTEX, PHCs and PCBs	Soil

Notes:

1. Areas of potential environmental concern means the area on, in or under a Phase One Property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through:
 - Identification of past or present uses in, on or under the Phase One Property, and
 - Identification of potentially contaminating activity.
2. Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area.
3. PHCs = petroleum hydrocarbons; BTEX = benzene, toluene, ethylbenzene and toluene; VOCs = volatile organic compounds; PAHs = polycyclic aromatic hydrocarbons; As = arsenic, Sb = antimony, Se = selenium; Cr (VI) = chromium hexavalent; Hg = mercury; B-HWS = boron hot water soluble; CN- = cyanide; SAR = sodium adsorption ratio;

Refer to Figure 5, 5A for the Site Plan illustrating the borehole/monitoring well locations and locations of the APECs.

5.10.4. Underground Utilities

The Site is not connected to enbridge gas, municipal service for water and wastewater utilities. The hydro connection is via overhead lines.

Based on the depth of COCs in soil and depth to groundwater table, the utilities present at the Phase Two property are not considered to have influenced the migration of COCs.

5.10.5. Physical Site Description

Geologic Setting

The following physiographic, geological and topographic maps were reviewed:

- Atlas of Canada – Toporama Topographic Map (Toporama)
- Ontario Ministry of Energy, Northern Development and Mines website, Bedrock Geology of Ontario, 2011 – MRD 126; and Paleozoic Geology of Southern Ontario, 2007 – MRD 219 (KML format)
- Ontario Ministry of Energy, Northern Development and Mines website, Surficial Geology of Southern Ontario, 2010. (KML format)
- Ontario Ministry of Energy, Northern Development and Mines website, Physiography of Southern Ontario 2007 (KML format)

Based on the review of the above maps, the following information was obtained:

- The ground elevation at the Site ranges from approximately 273 to 260 metres above sea level (asl), with an approximate elevation differential of 13 m sloping overall downward to the southeast portions of the Site.
- Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. The Site is located approximately 11 km from the main channel of the West Humber River and about 32 km from the nearest shoreline of Lake Ontario. Overall, groundwater is interpreted to flow in a southeasterly direction, with localized variations influenced by topographic lows, drainage features, on site waterbodies and nearby watercourses.
- The bedrock in the general area of the Site consists of Shale, limestone, dolostone, siltstone, and is part of the Queenston Formation.
- The surficial geology of the northern and southeastern portions of the Site is described as Clay to silt-textured till (derived from glaciolacustrine deposits).
- The physiography of the Site is within the South Slope and is characterized as Till Plains (drumlinized).

The general stratigraphy at the Site, as observed in the boreholes, consists of concrete, topsoil, or fill underlain by native deposits. These native soils typically comprise clayey silt till, followed by layers of silt

and clay in some boreholes, and cohesionless deposits such as sand, silt, silty sand, sandy silt, sand and gravel, or sandy gravel in others.

A brief description of the soil stratigraphy at the Site, in order of depth, is summarized in the following sections. This information is based on the borehole logs from fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11, and BH12) drilled specifically for the Phase Two ESA, as well as from previously advanced boreholes (BH201 to BH215, BH19 to BH26, BH28, BH29, BH32, BH35, BH36, BH101, and BH102) completed as part of geotechnical, hydrogeological, and Local Subwatershed studies. A separate borehole location plan illustrating these geotechnical boreholes/ monitoring wells is provided as Figure 6, and cross-sections are included as Figures 6A and 6B.

Concrete/ Topsoil

In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W and BH11, a surface layer of concrete ranging approximately 50 to 150 mm in thickness was encountered.

In all remaining boreholes except BH5, BH9 and BH12, topsoil was encountered at the surface, with thicknesses ranging from approximately 50 mm to 280 mm. It should be noted that topsoil thickness may vary across the site and between borehole locations. Due to the wide spacing of boreholes, the observed topsoil depths may not accurately represent topsoil volumes across the entire site.

Fill Material

In boreholes BH5, BH9, and BH12, fill material was encountered directly at the surface. In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W, and BH11, fill was observed beneath a surficial concrete layer. Additionally, in some boreholes, fill material—likely consisting of disturbed native soils—was encountered below the topsoil layer.

The composition of the fill in boreholes BH5, BH6, BH9, BH10, BH10N, BH10E, BH10W, and BH11 ranged from sand and sand with gravel to sandy silt with some gravel, which may indicate the presence of imported fill. In the remaining boreholes, the fill is likely comprised of disturbed on-site native material (possibly from historic farming practices) comprising brown clayey silt to sandy silt. Boreholes BH4, BH7, BH8 and BH11 were terminated in the fill layer at depths ranged from approximately 0.8 to 2.3 m bgs.

No hydrocarbon or other chemical odours or staining suggestive of significant contamination were observed in the recovered fill samples. The fill—potentially a mix of imported and on-site disturbed material—extended to depths ranging from approximately 0.8 to 2.3 m bgs.

Native Soil

Clayey Silt Till

Underneath the concrete/topsoil/fill materials, the site was predominantly underlain by clayey silt till. The cohesive glacial till was encountered in Boreholes 19 to 26, 28, 29, 32, 35, 36, 102, 201 to 215 and BH1 to BH3, BH6, BH6, BH10 and BH12 extending to depths of 1.5 to 13.7 m below grade (Elev. 269.2 to 249.6 m). The clayey silt glacial till was typically brown and moist, turning grey with depth.

Layered Clay and Silt

Layered clay and silt deposits with varying amounts of sand and silt with trace to some clay, was encountered underlying the clayey silt till in Boreholes 211, 212, 214, and 215, at depths of 4.6 to 13.7 m below grade (Elev. 254.4 to 256.0 m). The deposits extended to depths of 15.2 to 16.8 m below grade (Elev. 247.4 to 251.4 m) in Boreholes 211 and 212 and extended beyond the 6.6 m depth of drilling in Boreholes 214 and 215.

Silt/ Sand/Silty Fine Sand

Cohesionless deposits comprising silt and/or sand were encountered underlying the clayey silt till in Boreholes 19, 21, 23, 25, 26, 29, 102, 201 to 204, 206 to 209, BH 10 and BH12 and underlying the layered clay and silt in Boreholes 211 and 212. The cohesionless deposits were encountered directly below the topsoil and/or fill layer in Borehole 101 and BH9. The cohesionless deposits were brown to grey and moist, becoming wet with depth.

Sand & Gravel, Gravelly Sand

Below cohesionless deposits comprising silt and/or sand, in Boreholes 23 and 101, a coarser deposit of sandy gravel to gravelly sand was encountered at depths between 9.1 to 16.8 m bgs.

Lower Cohesionless Glacial Till

A deeper cohesionless glacial till deposit (referred as “Lower”) was encountered underlying the cohesive glacial till in Boreholes 35 and 213 at 3.0 to 4.6 m below grade (Elev. 262.2 to 255.4 m) and underlying the sands and /or silts in Boreholes 29 and 102 at 12.2 to 13.7 m (Elev. 246.6 to 251.7 m). The deposit extended beyond the depth of drilling in Boreholes 29, 35, and 213 at 6.6 to 15.7 m, and extended to 18.3 m (Elev. 247.1 m) in Borehole 102.

The glacial till had a cohesionless matrix consisting of sand and silt to sandy silt, with trace to some clay and trace gravel, locally silt with some sand.

Bedrock

Bedrock was not encountered in boreholes drilled at the Site by GEI. The deepest borehole drilled at the Site was to a depth of 23.3 m bgs.

Based on the review of the MECP well records, depth to bedrock is anticipated at approximately 30 to 35 m bgs.

Hydrogeologic Setting

The soil stratigraphy across the Site is variable, and the subsurface units appear to be discontinuous. Therefore, for high-level discussion purposes, two (2) hydrostratigraphic units were considered to be present at the Site:

- An upper glacial till unit generally clayey silt till and is interbedded with localized sand and silt deposits in some areas; and
- A deeper cohesionless unit, comprising sand/silty fine sand/silt/sand and gravel/gravelly sand.

Based on readings taken on March 6, 2025, groundwater levels measured from monitoring wells screened within the upper glacial till unit ranged from approximately 0.4 to 5.8 m below grade, with the exception of a few wells (approximately 6 m deep) that remained dry, indicating groundwater is likely deeper at those specific locations.

The groundwater levels measured from wells screened within the deeper cohesionless unit/aquifer on the eastern portion of the Site typically ranged from 10.9 to 12.4 m below grade, with the exception of Borehole BH102, where groundwater was encountered at a shallower depth of 5.2 m below grade, despite the well being screened deeper.

Additionally, it is noteworthy that flowing artesian conditions were observed in the southernmost portion of the Site, as indicated by deeper monitoring wells at Boreholes 208D, 209D, and 29, which were screened partially within the deeper cohesionless aquifer. At these locations, groundwater levels were recorded between 0.4 and 0.9 m above grade.

Groundwater levels upper glacial till unit are expected to show seasonal fluctuations and vary in response to prevailing climate conditions. Based on groundwater data collected from the Site, the local groundwater flow direction is expected to mimic the site topography. It is anticipated that groundwater flows within upper glacial till unit will be towards topographic lows.

The interpreted groundwater contours based on groundwater elevation data collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit are presented on Figure 7. Based on this groundwater contours plan, local groundwater flow on the site appears to have a general trend towards the southeast, influenced by presence tributaries of the West Humber River.

The horizontal hydraulic gradient in groundwater, based on groundwater level measurements collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit, varied between 0.002 m/m and 0.046 m/m with geometric mean calculated to be 0.008 m/m.

The vertical hydraulic gradient was evaluated from selected nested well pairs- 204D/S, 211D/S and 212D/S based on groundwater level measurements collected on March 06, 2025. The vertical hydraulic gradient varied between 0.029 m/m and 0.714 m/m with geometric mean calculated to be 0.15 m/m

No evidence of free product was detected in the monitoring wells during water level measurements.

5.10.6. Site Sensitivity

The Site Sensitivity classification with respect to the conditions set out under Section 41 and 43.1 of O.Reg.153/04 were evaluated to determine if the Site is sensitive, as presented in the table below:

Table 5-4. Site Sensitivity

Sensitivity	Classification	Does Sensitivity Apply to Site?
Section 41 applies if	(i) property is within an area of natural significance	Yes (NHS identified on -site)
	(ii) property includes or is adjacent to an area of natural significance or part of such an area	

Sensitivity	Classification	Does Sensitivity Apply to Site?
	(iii) property includes land that is within 30 m of an area of natural significance or part of such an area	
	(iv) soil at property has a pH value for surface soil less than 5 or greater than 9	No
	(v) soil at property has a pH value for sub-surface soil less than 5 or greater than 11	No
	(vi) a qualified person is of the opinion that, given the characteristics of the property and the certifications the qualified person would be required to make in a record of site condition in relation to the property as specified in Schedule A, it is appropriate to apply this section to the property	No
Section 43.1 applies if	(i) property is a shallow soil property	No
	(ii) property includes all or part of a water body or is adjacent to a water body or includes land that is within 30 m of a water body	Yes

5.10.7. Soil Importation

No soil has been imported to the Site at part of the current investigation.

5.10.8. Land Use

Based on the site reconnaissance and a review of available historical records, the Phase One Property has been and is currently used for a combination of commercial (grain storage), agricultural, and residential purposes. Although the majority of the Site is currently under agricultural use, the operation of commercial grain storage on behalf of third parties classifies the current use as Commercial.

Based on the most stringent land use designation among the commercial, agricultural, and residential uses- Commercial has been considered appropriate for current purposes.

The Site is proposed for residential subdivision development.

5.10.9. Contaminants of Concern

Identification of contaminants of concern requires selection of an appropriate site condition standard to compare concentrations against.

For assessment purposes, based on the client's intended residential use in the future and identified NHS on site, GEI selected the MECP Table 1: Full Depth Background Site Condition Standards under Residential/Parkland/Institutional/Industrial/Commercial/Community (RPIICC) Property Use (**Table 1 SCS**) for determining contaminants of concern (COCs), based on the reasons presented below:

Table 5-5. Site Condition Standards

Descriptor	Site-Specific Condition
Section 41 Site Sensitivity	Applicable.

Descriptor	Site-Specific Condition
	Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies. These NHS are considered as part area of natural significance. The soil at the Site has pH values between 5 and 9 for surficial soil; and, between 5 and 11 for subsurface soil. The Site is not located partially within, and adjacent to, an area of natural significance, or part of such an area; and the Site includes land that is within 30 m of an area of natural significance, or part of such an area.
Section 43.1 Site Sensitivity	Applicable • The Site is not considered a shallow soil property, based on the recovered soil cores, which indicated that more than two-thirds of the Site has an overburden thickness in excess of 2 m; and, • Two waterbodies are present on the Site- one located in the northwestern portion and the other in the northeasternmost area. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies.
Ground Water Use	Potable • The Site is serviced by a private portable well. • The Site is not located within an area designated in a municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater. • The property, and all other properties located, in whole or in part, within 250 m of the boundaries of the property, rely on groundwater via private water supply wells.
Land Use	Industrial/Commercial/Community The site is currently used for a combination of commercial (grain storage), agricultural, and residential purposes. Although the majority of the Site is currently under agricultural use, the operation of commercial grain storage on behalf of third parties classifies the current use as Commercial.
Soil Texture	Coarse-grained textured Grain size analysis was conducted on several soil samples, as documented in the geotechnical report. The results confirm that the on-site soils consist of a combination of medium- to fine-textured and coarse-textured materials. For the

Descriptor	Site-Specific Condition
	purposes of this Phase Two ESA, and following a conservative (i.e., worst-case) approach, the soils have been classified as coarse-grained.

Based on the soil analytical results, the identified contaminants of concern (COCs) in soil include Cadmium and Uranium at borehole location BH10. These COCs were determined to be confined to a localized area of approximately 30 m² around BH10 location and extending to a depth of up to 1.5 m below ground surface.

The COCs identified in soil are presented in the table below.

Table 9: Contaminants of Concern (COCs) in Soil

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5

A summary of the assessment of each APEC is provided the following table.

Table 5-6. Analytical Testing Completed on Soil and Groundwater Samples within APECs

APEC	COPCs based on Phase One ESA	Analyzed Locations from this APEC	Exceedances of Applicable SCS
APEC 1: Potential use of pesticides and fertilizers on the farming lands	Soil: Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and OCs Groundwater: Not identified as potential media of concern.	Soil samples from: Test Pits TP3 to TP20	Soil: None Identified
APEC 2: Presence of three (3) aboveground fuel oil tanks for refueling farm equipment	Soil: Metals, BTEX, PHCs Groundwater: Not identified as potential media of concern.	Soil samples from boreholes: BH1, BH2, BH3	Soil: None Identified
APEC 3: Presence of an aboveground old waste oil aboveground tank	Soil: Metals, BTEX, PHCs Groundwater: Not identified as potential media of concern.	Soil sample from borehole: BH6	Soil: None Identified
APEC 4: Stained area inside the Maintenance shop-Building B	Soil: Metals, VOCs, BTEX, PHCs, PAHs Groundwater: Not identified as potential media of concern.	Soil samples from borehole: BH4	Soil: None Identified

APEC	COPCs based on Phase One ESA	Analyzed Locations from this APEC	Exceedances of Applicable SCS
APEC 5: Hydraulic oil drums and plastic pails storing lubricant placed inside the maintenance shop-Building B on bare ground.	Soil: Metals, VOCs, BTEX, PHCs Groundwater: Not identified as potential media of concern.	Soil samples from borehole: BH5	Soil: None Identified
APEC 6: Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located on the north side of Building A	Soil: Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and OCs Groundwater: monitoring well in Borehole BH10 did not yielded water. The well was about 6.1 m deep	Soil samples from borehole: BH10, BH10N, BH10E, BH10W	Soil: Cadmium and Uranium in two samples BH10 SS1 and BH10 SS2
APEC 7: Bulk storage of granular/powder fertilizer inside Building A	Soil : Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and OCs Groundwater: Not identified as potential media of concern.	Soil sample from borehole: BH11	Soil: None Identified
APEC 8: Potential fill associated within former farm buildings footprints	Soil: Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS) and PAHs Groundwater: Not identified as potential media of concern.	Soil sample from boreholes: BH7, BH8, BH9	Soil: None Identified
APEC 9: Presence of pole mounted transformer located west of Building B	Soil: PCBs, BTEX, PHCs Groundwater: Not identified as potential media of concern.	Soil samples from Test pit: TP1	Soil: None Identified
APEC 10: Presence of pole mounted transformer located west of Building D	Soil: PCBs, BTEX, PHCs Groundwater: Not identified as potential media of concern.	Soil samples from Test pit: TP2	Soil: None Identified

5.10.10. Soil and Groundwater Impacts

Based on the soil analytical results, the identified contaminants of concern (COCs) in soil include Cadmium and Uranium. These COCs were determined to be confined to a localized area of approximately 30 m²

around BH10 location and extending to a depth of up to 1.5 m below ground surface. Refer to Figures 9, 9A, and 9B showing the location and extent of identified COCs in soil.

The monitoring well installed in Borehole BH10 did not yield groundwater, suggesting that the groundwater table is deeper than the well depth of approximately 6.0 m. Given this significant depth to groundwater, the Cadmium and Uranium impacts identified in the shallow soil samples at BH10 are considered unlikely to pose a risk to groundwater quality. Therefore, it is concluded that no COCs are present in the groundwater at this location.

5.10.11. Remediation Activities

GEI retained the excavation subcontractor Terra Firma Environmental Services to remove soil impacted with cadmium and uranium, which exceeded the Table 1 Site Condition Standards (SCS) in the area surrounding Borehole BH10. Remediation activities, including excavation, confirmatory sampling, and backfilling, were carried out between August 13 and September 3, 2025

Under GEI's supervision, the excavation contractor removed approximately 118 metric tonnes (five truckloads) of impacted soil from the remediation area. The soil was transported to JCL Material & Recovery Station, a waste transfer station at 15 Bethridge Road, Etobicoke, Ontario.

Following the removal of the impacted soil, the final dimensions of the remedial excavation were measured approximately to be 6.0 m by 7.0 m with a depth of 1.5 m below existing grade. Based on the contaminants of concerns and final area of excavation, confirmatory samples were collected from the floor and walls of the remedial excavation.

Refer to Figure 15 showing Post Remediation Soil Conditions including the approximate locations of the confirmatory samples..

Out of the initial seven (7) confirmatory soil samples: CS-F1, CS-F2, CS-N, CS-E, CS-W, CS-S and a duplicate sample DUP-F2, collected from the floor and walls of the remedial excavation, all samples except CS-S met the Table 1 SCS criteria. The sample CS-S, collected from the south wall, exhibited an elevated concentration of Selenium, exceeding the Table 1 criterion limit. To further assess this exceedance, three (3) additional samples—CS-S/A, CS-S/B, and CS-S/C—were collected within 1.0 m of the original CS-S location along the south wall. All three additional samples met the Table 1 SCS for Selenium, Cadmium, Uranium, and other tested metals. The remediated excavation was backfilled using virgin granular material sourced from Olympia Sand & Gravel Pit and Acton Quarry. Granular B Type I material -Sourced from Olympia Sand & Gravel Pit was used for the majority of the backfill, while the near surface top 150 mm layer was backfilled using Granular A from Acton Quarry. Since the materials used for backfilling were obtained from licensed pits and quarries, no confirmatory testing was deemed required for backfill material.

As a result of the remedial excavation completed at the site, the previously identified impacts in soil have been remediated. The Site is now in conformance with Table 1 SCS under RPIICC property use.

5.10.12. *Contaminant Fate and Transport*

Soil Media

As part of a follow-up remediation program completed by GEI, the impacted soil containing elevated levels of Cadmium and Uranium was excavated and removed. Following the remediation, no COCs remain on site, and the area is considered to be in compliance with applicable soil quality standards.

As the previously identified COC in soil (Cadmium and Uranium) have been fully removed via soil remediation (dig and dump), and no residual impacts remain on site, discussion regarding contaminant fate and transport is no longer applicable.

Groundwater Media

The monitoring well installed in Borehole BH10, formerly located within the remediation area, did not yield groundwater during pre-remediation assessment. This suggests that the groundwater table is deeper than the well depth, which was approximately 6.0 m bgs.

Given this significant depth to groundwater, and considering that the previously identified Cadmium and Uranium impacts were limited to shallow soil (up to a maximum depth of 1.5 mbgs), it is considered unlikely that these impacts posed any risk to groundwater quality. Therefore, it is concluded that no contaminants of concern (COCs) are present in the groundwater at this location. As no COCs have been identified in groundwater at the Site, further discussion regarding contaminant fate and transport is no longer applicable.

5.10.13. *Preferential Pathways*

No applicable, since no COCs in soil remained on site. Also, no COCs are present in the groundwater.

5.10.14. *Climate Conditions*

No applicable, since no COCs in soil remained on site. Also, no COCs are present in the groundwater.

5.10.15. *Soil Vapour Migration*

No applicable, since no COCs in soil remained on site. Also, no COCs are present in the groundwater.

6. Summary of Findings

GEI Consultants Canada Ltd. was retained by TACC Developments (Armstrong) Ltd., to complete a Phase Two Environmental Site Assessment of the property located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario.

This Phase Two ESA was conducted in accordance with Ontario Regulation 153/04 (as amended) (O. Reg. 153/04) made under the Environmental Protection Act and in accordance with generally accepted professional practices. Subject to this standard of care, GEI makes no express or implied warranties regarding its services, and no third-party beneficiaries are intended.

The findings of the Phase Two ESA conducted at the Site are summarized as follows:

- The Phase Two ESA field investigative activities comprised drilling of fifteen (15) boreholes (BH1 to BH10, BH10N, BH10E, BH10W, BH11 and BH12) and twenty (20) test pits (TP1 to TP20). The depths of the boreholes ranged from approximately 0.8 m to 9.1 m bgs and the test pits were hand-dug using a shovel to a depth of approximately 0.3 m bgs. Refer to Figure 5 and 5A showing location of the boreholes and Test pits. A total of two (2) monitoring wells were installed in two selected boreholes: BH10 and BH12. Boreholes and monitoring wells were advanced to facilitate the collection of soil and groundwater samples for geologic characterization and chemical analysis to investigate soil and groundwater conditions within the areas of potential environmental concern identified at the Site.
- As part of GEI's Local Subwatershed, Geotechnical, and Hydrogeological Studies to support the future development of the Site, several boreholes and monitoring wells were previously drilled on-site by GEI. Information from those boreholes were used in this Phase Two ESA, to characterize the subsurface geology, while groundwater level data from those existing monitoring wells were utilized to help establish the groundwater flow direction across the Site. Refer to Figure 6 showing location of the previously drilled boreholes and monitoring wells and respective geological cross sections are included in Figures 6A and 6B.
- The general stratigraphy at the Site, as observed in the boreholes, consists of concrete, topsoil, or fill underlain by native deposits. The native soils typically comprise clayey silt till, followed by layers of silt and clay in some boreholes, and deeper cohesionless deposits such as sand, silty sand, silt, sandy silt, sand and gravel, or sandy gravel in others. Bedrock was not encountered during the current investigation at the Site.
- In Boreholes BH5, BH9, and BH12, fill material was encountered directly at the surface. In boreholes BH4, BH6, BH10, BH10N, BH10E, BH10W, and BH11, fill was observed beneath a surficial concrete layer. Additionally, in some boreholes, fill material—likely consisting of disturbed native soils—was encountered below the topsoil layer. The composition of the fill in boreholes BH5, BH6, BH9, BH10, BH10N, BH10E, BH10W, and BH11 ranged from sand and sand with gravel to sandy silt with some gravel, which may indicate the presence of imported fill. In the remaining boreholes, the fill is likely comprised of disturbed on-site native material (possibly from historic farming practices) comprising brown clayey silt to sandy silt. No hydrocarbon or other chemical odours or staining suggestive of significant contamination were observed in the recovered fill samples. The

fill—potentially a mix of imported and on-site disturbed material—extended to depths ranging from approximately 0.8 to 2.3 m bgs.

- Total organic vapour (TOV) readings in the headspace of select soil sample collected during the investigation was performed using a Rkl Eagle 2 gas monitor calibrated with Hexane and Isobutylene (IBL) in the field. The TOV readings were recorded as non-detect.
- Grain size analysis was conducted on several soil samples, as included in the GEI's geotechnical report. The results confirm that the on-site soils consist of a combination of medium- to fine-textured and coarse-textured materials. For the purposes of this Phase Two ESA, and following a conservative (i.e., worst-case) approach, the soils have been classified as coarse-grained.
- Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies.
- For assessment purposes, based on the client's intended residential use in the future and identified NHS on site, GEI selected MECP Table 1: Full Depth Background Site Condition Standards under Residential/Parkland/Institutional/Industrial/Commercial/ Community (RPIICC) Property Use (*Table 1 SCS*)
- The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 17 m from the northwest corner to the southeast corner.
- The two monitoring wells installed specifically for Phase Two ESA, at BH10 and BH12 remained dry even after an elapsed period of more than 60 days. Other existing on-site monitoring wells, previously installed by GEI as part of the Local Subwatershed, Geotechnical, and Hydrogeological Studies, were utilized for groundwater level monitoring. These wells included those installed in Boreholes 20, 21, 23, 24D/S, 26, 28, 29, 35, 101, 102, 201, 202, 204D/S, 205, 206, 208D/S, 209D/S, 211D/S, 212D/S, and 21. These wells are part of an ongoing monthly long-term groundwater monitoring program being conducted under a separate scope associated with the hydrogeological study.
- The stabilized groundwater levels measured across the site varied depending on the depth of the monitoring wells and the soil units in which they were screened. Based on readings taken on March 6, 2025, groundwater levels within the upper clayey silt glacial till and shallower sand/silt units ranged from approximately 0.4 to 5.8 m below grade, with the exception of a few wells (approximately 6 m deep) that remained dry, indicating groundwater is likely deeper at those locations. The groundwater levels measured from wells screened within the deeper cohesionless unit/aquifer on the eastern portion of the Site typically ranged from 10.9 to 12.4 m below grade, with the exception of Borehole BH102, where groundwater was encountered at a shallower depth of 5.2 m below grade, despite the well being screened deeper. Flowing artesian conditions were observed in the southernmost portion of the Site, as indicated by deeper monitoring wells at

Boreholes 208D, 209D, and 29, which were screened partially within the deeper cohesionless aquifer. At these locations, groundwater levels were recorded between 0.4 and 0.9 m above grade.

- Based on groundwater data collected from the Site, the local groundwater flow direction is expected to mimic the site topography. It is anticipated that groundwater flows towards topographic lows within upper glacial till unit. The interpreted groundwater contours based on groundwater elevation data collected on March 06, 2025 from monitoring wells screened within the upper glacial till unit are presented on Figure 7. Based on this groundwater contours plan, local groundwater flow on the site appears to have a general trend towards the southeast, influenced by presence tributaries of the West Humber River.
- The selected soil samples were submitted for analysis of petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCs), polychlorinated biphenyls (PCBs), metals, hydride-forming metals, and other regulated parameters.
- The soil analytical results indicated conformance with the selected Table 1 Site Condition Standards (SCS), with the exception of one location — Borehole BH10. Soil samples collected from the top 1.2 m at BH10 exceeded the Table 1 SCS due to elevated levels of Cadmium and Uranium as shown below.

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5

The area surrounding BH10 was subsequently delineated both laterally and vertically. All other sampled locations were found to be in compliance with the selected Table 1 SCS.

- No groundwater samples could be collected from the monitoring wells installed in boreholes - BH10 and BH12, as both wells remained dry even after an elapsed time of more than 60 days. This suggests that the groundwater table at these locations is deeper than approximately 6.0 m and 9.0 bgs, respectively. Given the significant depth to groundwater, the Cadmium and Uranium impacts identified in the shallow soil samples at BH10 are considered unlikely to pose a risk to groundwater quality.
- GEI retained the excavation subcontractor Terra Firma Environmental Services to remove soil impacted with cadmium and uranium, which exceeded the Table 1 Site Condition Standards (SCS) in the area surrounding Borehole BH10. Remediation activities, including excavation, confirmatory sampling, and backfilling, were carried out between August 13 and September 3, 2025. Under GEI's supervision, the excavation contractor removed approximately 118 metric tonnes (five truckloads) of impacted soil from the remediation area. The impacted non-hazardous soil was transported to JCL Material & Recovery Station, a waste transfer station at 15 Bethridge Road, Etobicoke, Ontario.
- Following the removal of the impacted soil, the final dimensions of the remedial excavation were measured approximately to be 6.0 m by 7.0 m with a depth of 1.5 m below existing grade. Based

on the contaminants of concerns and final area of excavation, confirmatory samples were collected from the floor and walls of the remedial excavation. Out of the initial seven (7) confirmatory soil samples: CS-F1, CS-F2, CS-N, CS-E, CS-W, CS-S and a duplicate sample DUP-F2, collected from the floor and walls of the remedial excavation, all samples except CS-S met the Table 1 SCS criteria. The sample CS-S, collected from the south wall, exhibited an elevated concentration of Selenium, exceeding the Table 1 criterion limit. To further assess this exceedance, three (3) additional samples—CS-S/A, CS-S/B, and CS-S/C—were collected within 1.0 m of the original CS-S location along the south wall. All three additional samples met the Table 1 SCS for Selenium, Cadmium, Uranium, and other tested metals. The remediated excavation was backfilled using virgin granular material sourced from Olympia Sand & Gravel Pit and Acton Quarry. Granular B Type I material -Sourced from Olympia Sand & Gravel Pit was used for the majority of the backfill, while the near surface top 150 mm layer was backfilled using Granular A from Acton Quarry. Since the materials used for backfilling were obtained from licensed pits and quarries, no confirmatory testing was deemed required for backfill material

- As a result of the remedial excavation completed at the site, the previously identified impacts in soil have been remediated. The Site is now in conformance with Table 1 SCS under RPIICC property use.

7. Conclusions and Recommendations

Based on the completed Phase Two Environmental Site Assessment (ESA), including follow-up soil remediation and confirmatory testing, the Site is in conformance with Table 1 SCS for RPIICC property use. The Site is considered ready for the filing of a Record of Site Condition (RSC), as required by the Town of Caledon to support the proposed residential subdivision development application.

8. Closing

As a Qualified Person under Ontario Regulation 153/04 (as amended), I can confirm that the work described herein, including the findings and conclusions, has been completed by me, or under my direct supervision. The information is accurate as of the date of the completion of the field work on September 3, 2025.

Sincerely,

GEI Consultants Canada Ltd.

A handwritten signature in black ink, appearing to read 'Aamna Arora', is positioned above the printed name.

Aamna Arora., P. Eng., QPESA
Senior Environmental Engineer

CM/AA

\\geiconsultants.com\Data\Data_Storage\Working\TACC DEVELOPMENTS\2407688 Mayfield Tullamore Geotechnical and Hydrogeological Inv for Draft Plan of Subdivision\02_PM\9. Reports\Drafts\Environmental\2- PHASE TWO ESA\1-Report\Updated -Phase Two ESA.docx

9. General Limitations

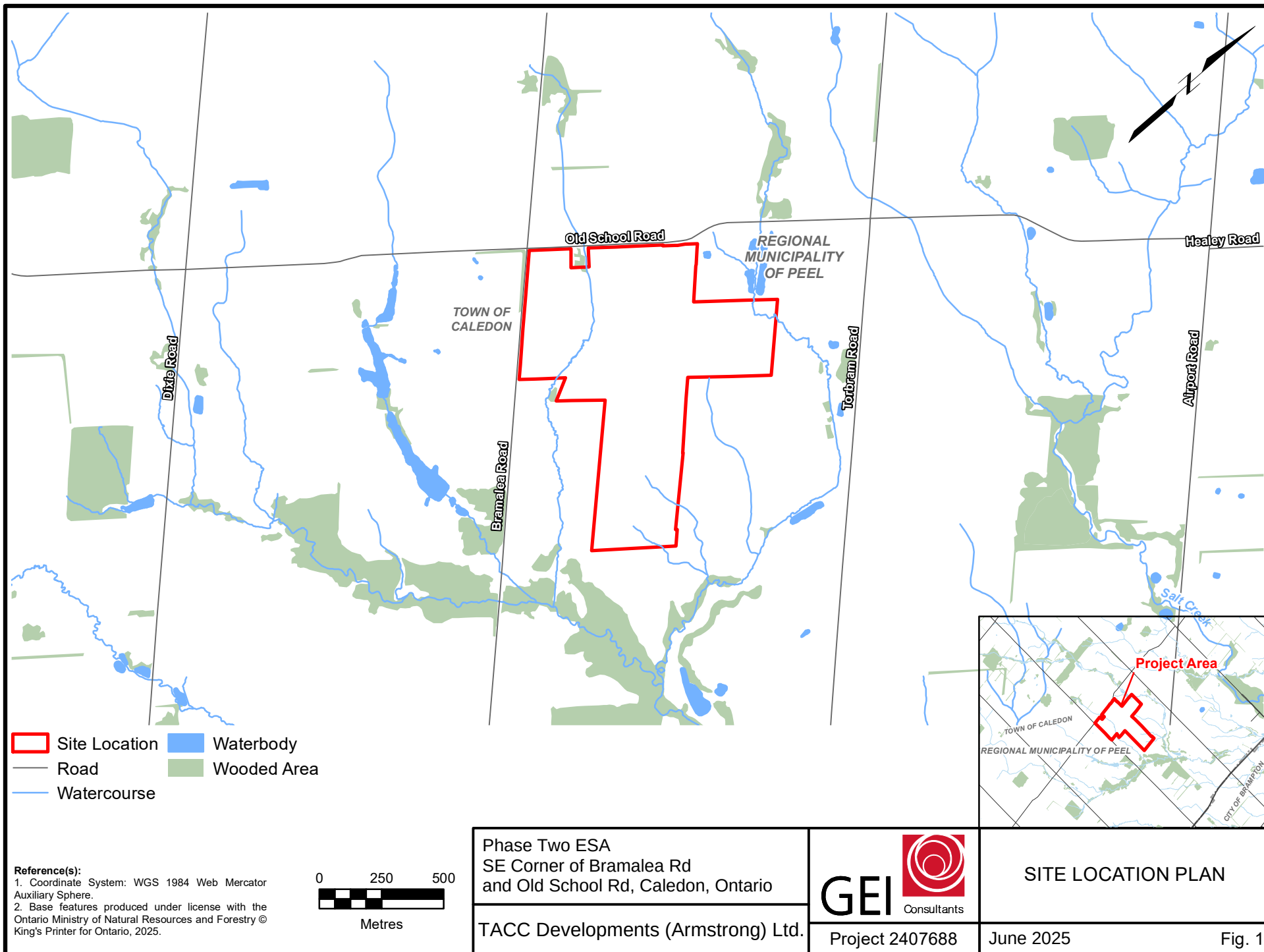
The information presented in this report is based on a limited investigation designed to provide information to support an assessment of the current environmental conditions within the subject property. The conclusions and recommendations presented in this report reflect Site conditions existing at the time of the investigation.

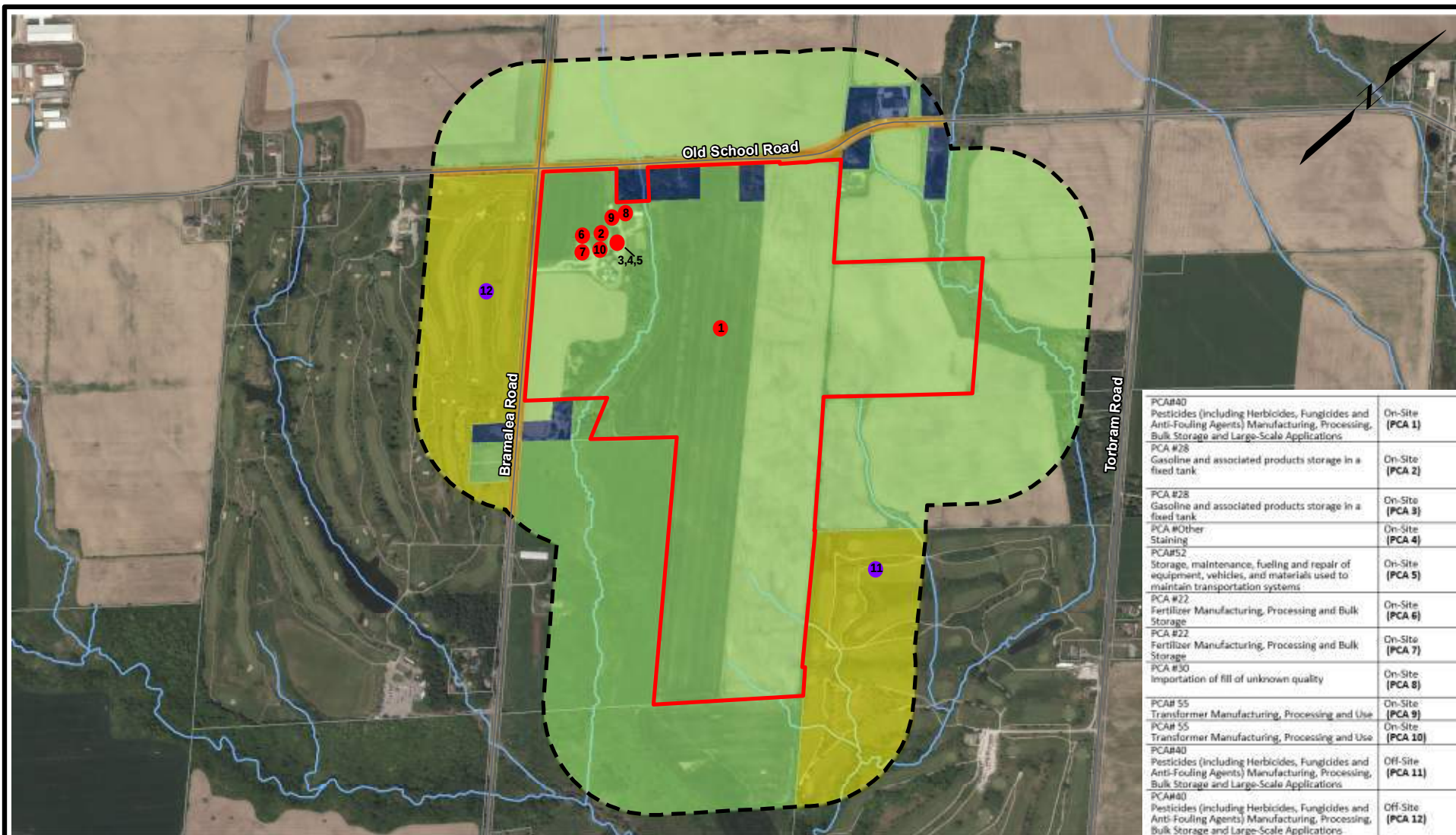
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10. References

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8. Ontario Geological Survey 2000. Quaternary Geology, Seamless Coverage of the Province of Ontario; Ontario Geological Survey, Data Set 14---Revised.
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12. Ontario Ministry of the Environment, Conservation and Parks. 2025. Water Well Information System Well Records Database. Available at: [Map: Well records | ontario.ca](#)
13. Ontario Ministry of Natural Resources. 2024. Natural Heritage Areas. Available at: [Make A Map: Natural Heritage Areas](#)

Figures





PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site (PCA 1)
PCA #28 Gasoline and associated products storage in a fixed tank	On-Site (PCA 2)
PCA #28 Gasoline and associated products storage in a fixed tank	On-Site (PCA 3)
PCA #Other Staining	On-Site (PCA 4)
PCA#52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems	On-Site (PCA 5)
PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	On-Site (PCA 6)
PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	On-Site (PCA 7)
PCA #30 Importation of fill of unknown quality	On-Site (PCA 8)
PCA# 55 Transformer Manufacturing, Processing and Use	On-Site (PCA 9)
PCA# 55 Transformer Manufacturing, Processing and Use	On-Site (PCA 10)
PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Off-Site (PCA 11)
PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Off-Site (PCA 12)

- Site Location

Watercourse

Commercial Land Use

PCA Contributing to APEC
- Study Area

Parcels

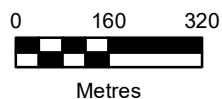
Community Land Use

PCA NOT Contributing to APEC
- Road

Agricultural Land Use

Residential Land Use

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 3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.



Phase Two ESA
 SE Corner of Bramalea Rd
 and Old School Rd, Caledon, Ontario

TACC Developments (Armstrong) Ltd.

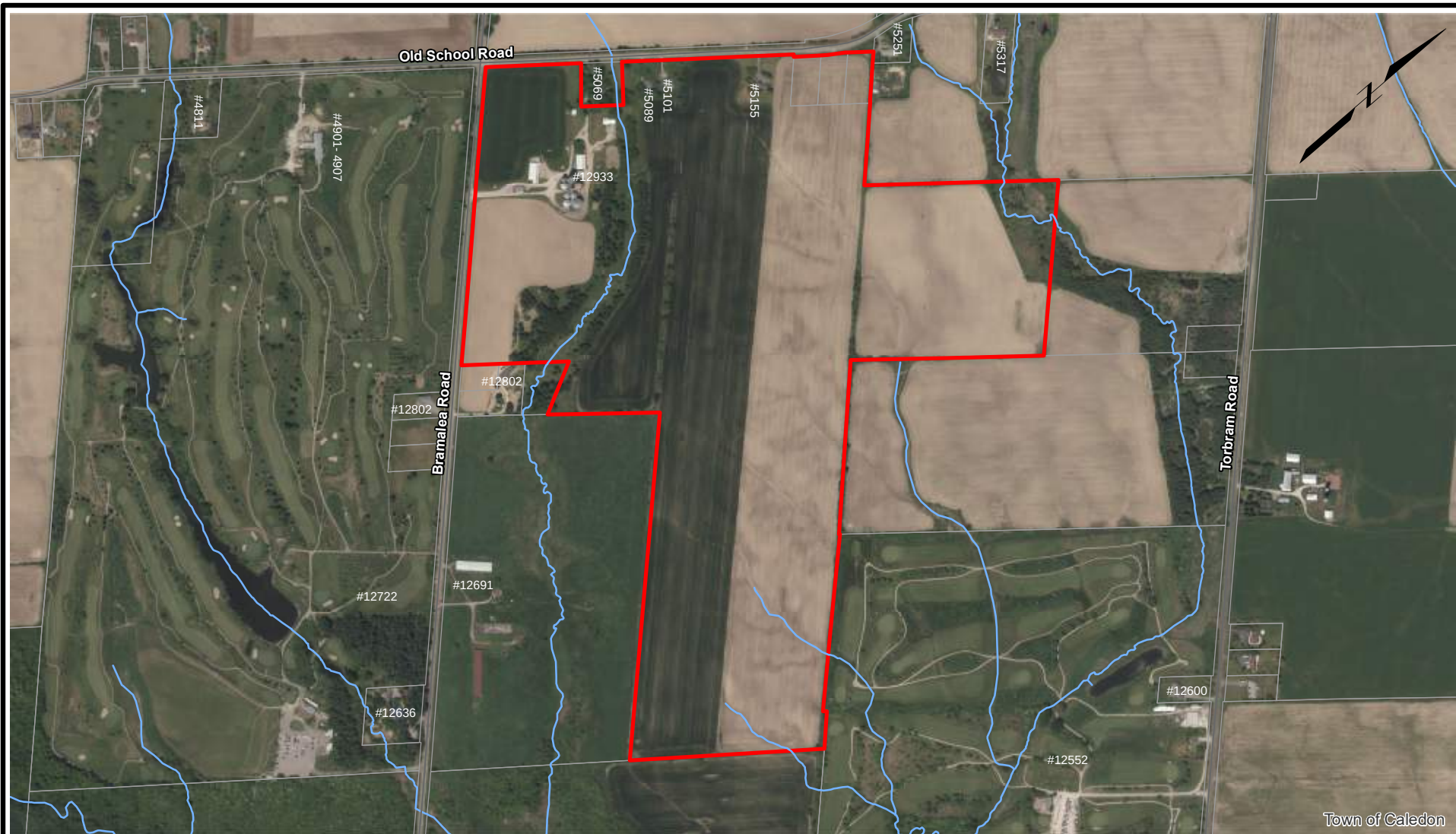


Project 2407688

PHASE ONE STUDY AREA
 AND POTENTIALLY
 CONTAMINATING ACTIVITIES
 (PCAs)

June 2025

Fig. 2



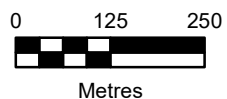
Site Location
 Parcels

Road

Watercourse

Reference(s):

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Phase Two ESA
SE Corner of Bramalea Rd
and Old School Rd, Caledon, Ontario

TACC Developments (Armstrong) Ltd.

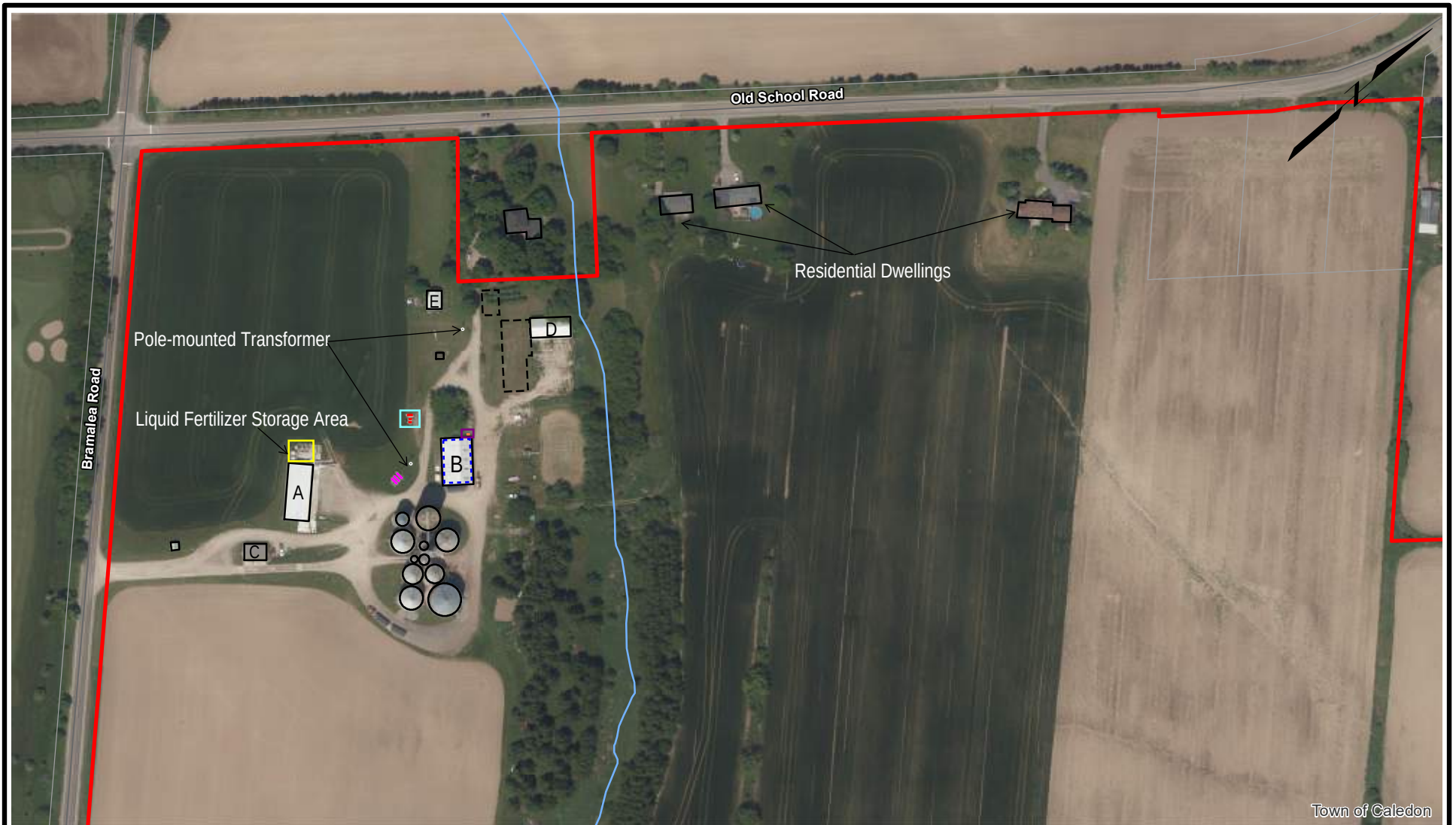


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SITE PLAN

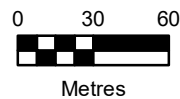
June 2025

Fig. 3



- | | | |
|--|--|--|
| Site Location | Parcels | Fuel Oil AST |
| Road | Former Buildings | Waste Oil AST |
| Watercourse | Existing Buildings | Propane Tank |
| | Silos for grain storage | |

Reference(s):
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Phase Two ESA
 SE Corner of Bramalea Rd
 and Old School Rd, Caledon, Ontario

TACC Developments (Armstrong) Ltd.

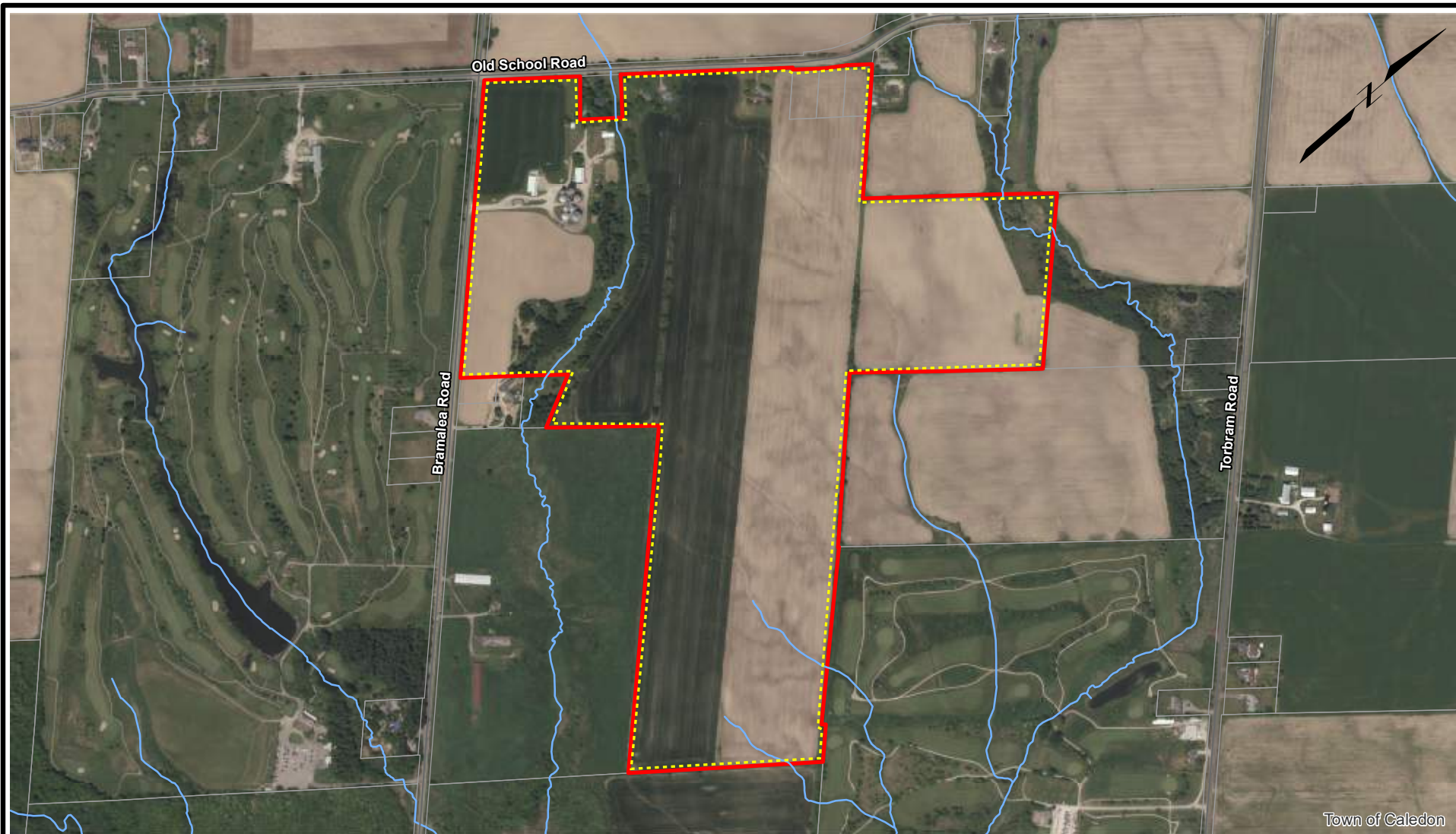


Project 2407688

SITE PLAN

June 2025

Fig. 3A



Site Location
 Parcels

Road

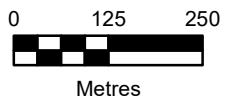
Watercourse

APEC 1

Only APEC 1 is shown here, for remaining APECs- APEC 1 to APEC10, please refer to Figure 4A

Reference(s):

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Phase Two ESA
SE Corner of Bramalea Rd
and Old School Rd, Caledon, Ontario

TACC Developments (Armstrong) Ltd.

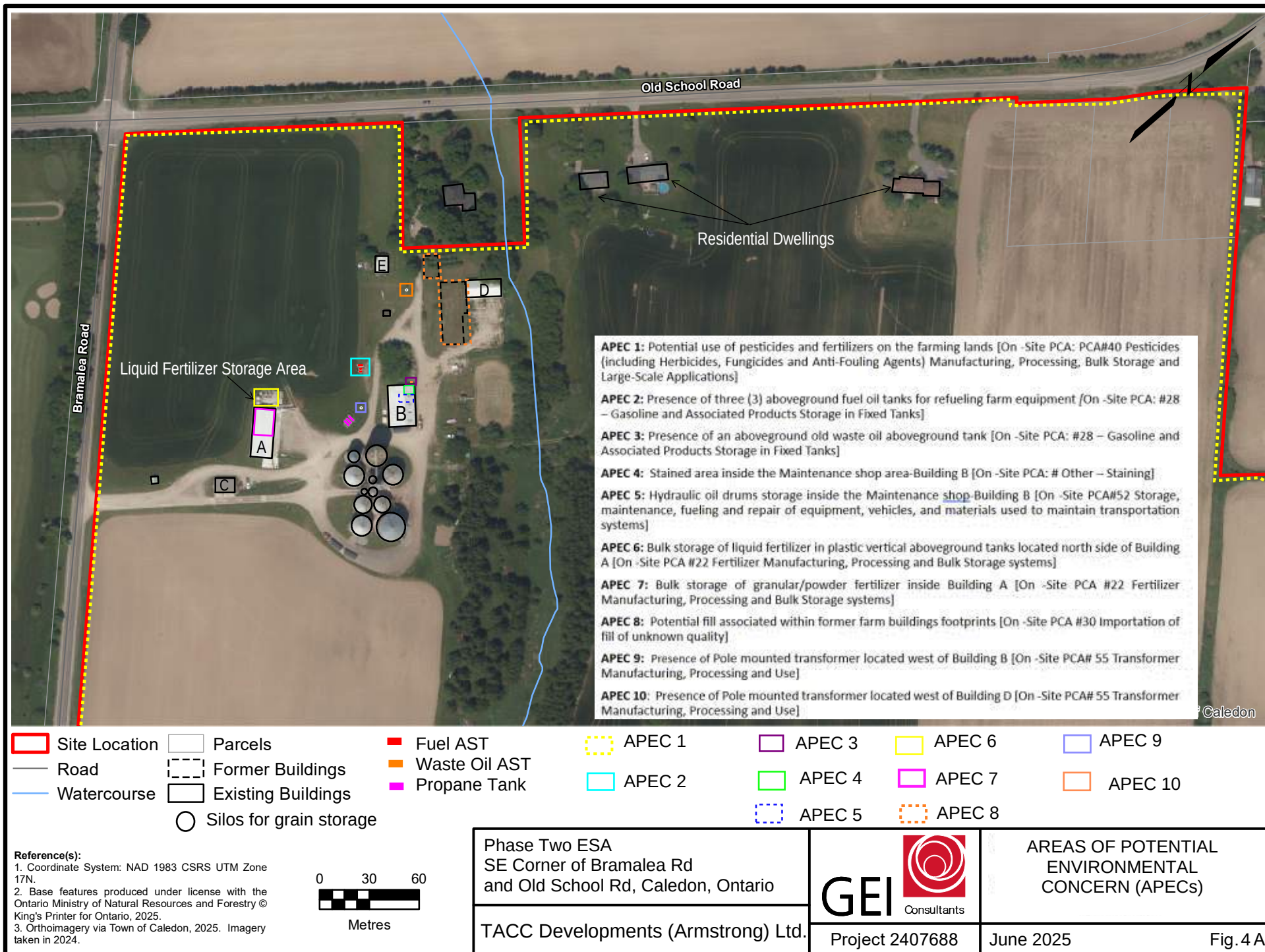


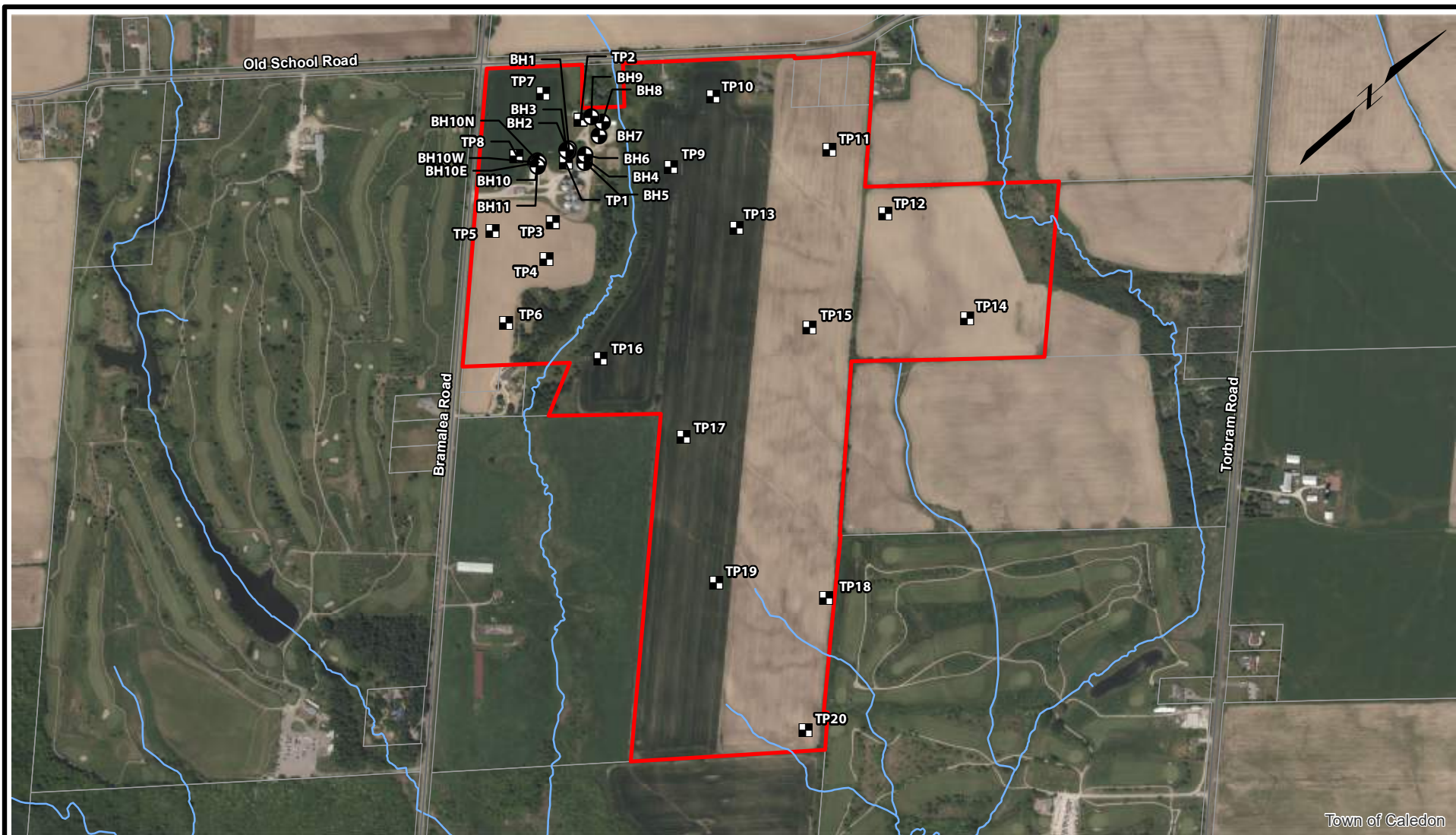
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AREAS OF POTENTIAL
ENVIRONMENTAL
CONCERN (APECs)

June 2025

Fig. 4

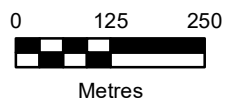




- Site Location
 Parcels
- Road
 Approximate Test Pit Location
- Watercourse
 Approximate Borehole Location

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
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Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.

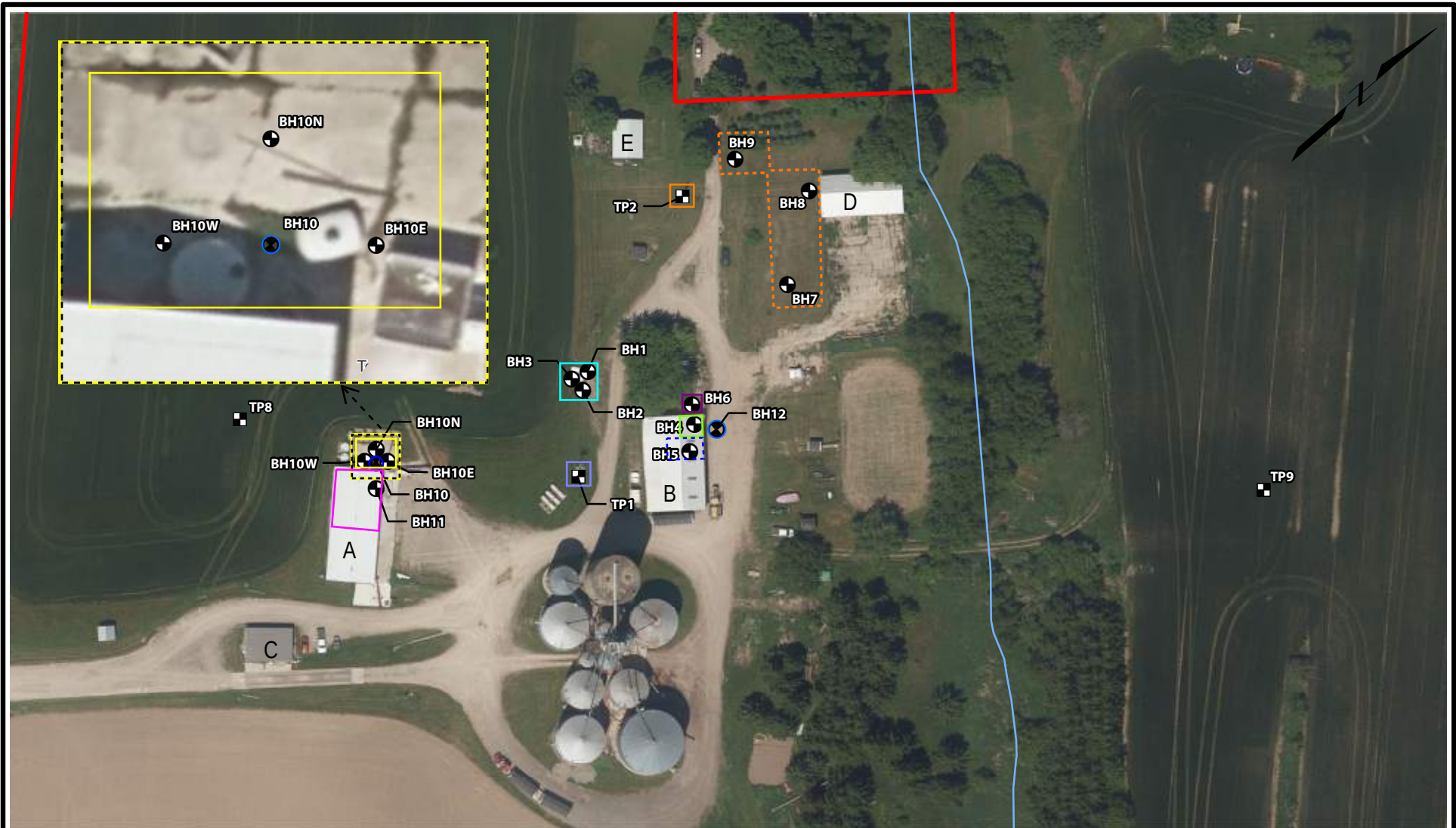


Project 2407688

BOREHOLE AND TEST PIT
LOCATION PLAN

June 2025

Fig. 5



Site Location

Watercourse

Approximate Test Pit Location

Approximate Borehole Location

Approximate Borehole/Monitoring Well Location

APEC 1

APEC 2

APEC 3

APEC 4

APEC 5

APEC 6

APEC 7

APEC 8

APEC 9

APEC 10

Reference(s):

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0 10 20
Metres

Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.

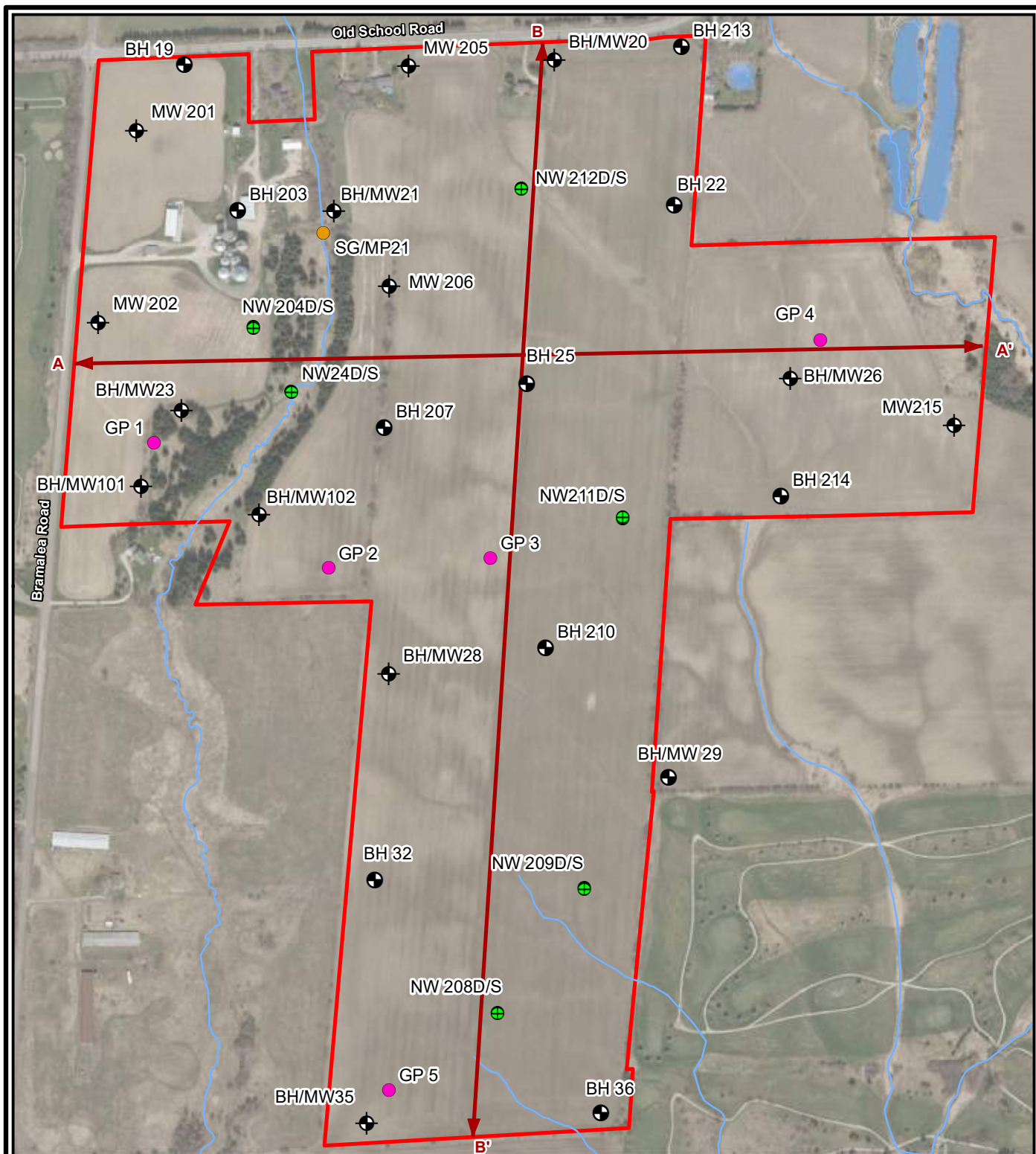


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BOREHOLE AND TEST PIT
LOCATION PLAN

June 2025

Fig. 5A

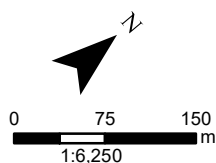


NOTES:

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Legend

- Site Location
- Watercourse
- Waterbody
- Borehole Location
- Borehole/Monitoring Well Location
- Borehole/Nested Well
- Guelph Permeameter Test
- Staff Gauge/Mini Piezometer
- ↔ Cross Section



Draft Plan of Subdivision -
Geotechnical Investigation
TACC Development Lands – Bramalea
Road
and Old School Road, Caledon

TACC Developments (Armstrong) Ltd.

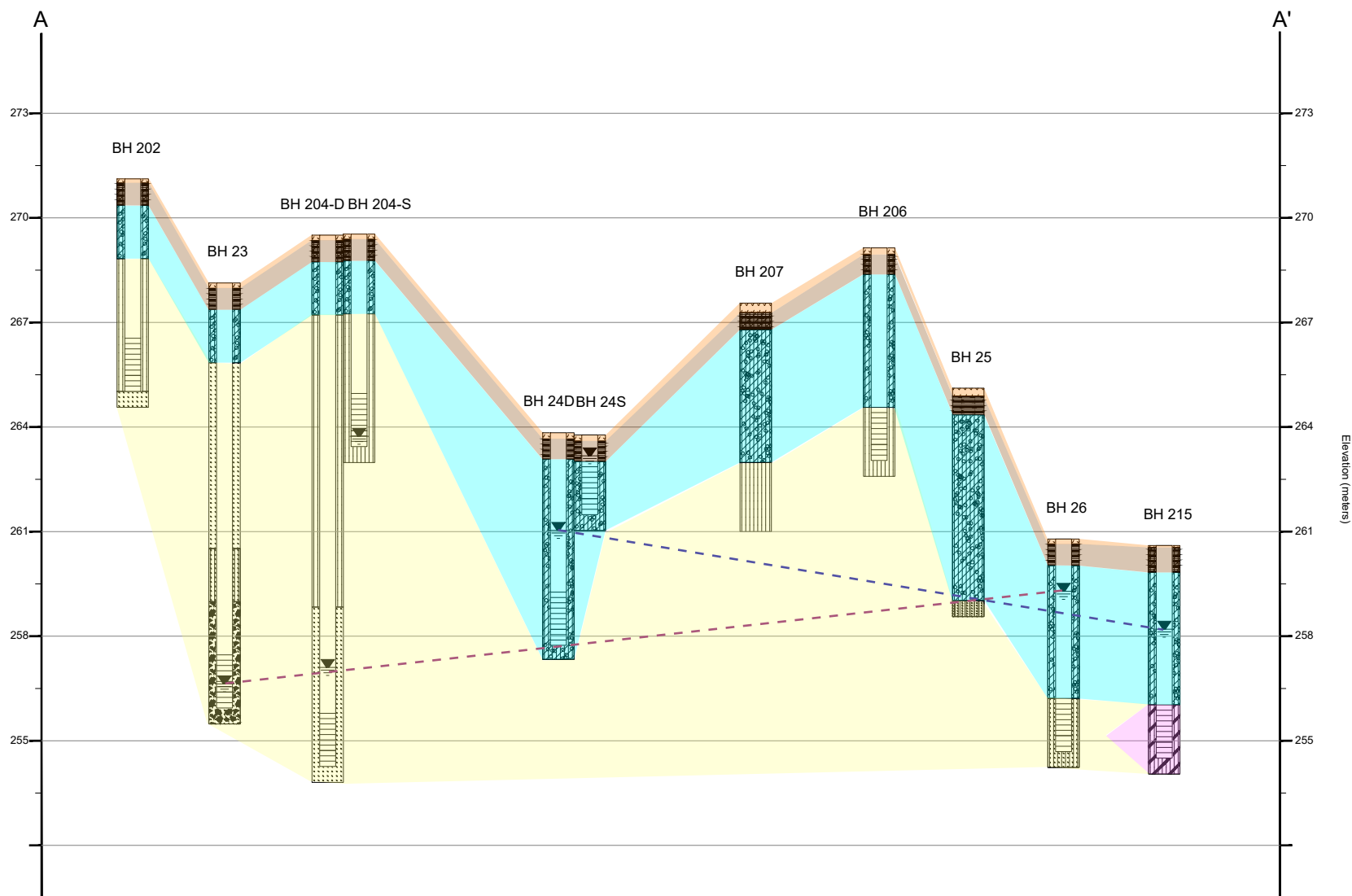


Project 2407688

**BOREHOLE LOCATION PLAN
(AERIAL)**

June 2025

Fig. 6



LEGEND:

- Water Level in Monitoring Well Measured Mar. 6, 2025
- Topsoil
- Weathered / Disturbed Soil
- Clayey Silt Glacial Till
- Sand
- Sand and Silt
- Sand and Gravel
- Silty Sand
- Silt
- Clayey Silt
- Piezometric Head for Unconfined Glacial Till
- Piezometric Head for Confined Sand and Silt (ORAC)

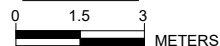
NOTES:

- Boreholes evenly spaced for illustrative purposes only (no horizontal scaling).

HORIZONTAL SCALE

N.T.S.

VERTICAL SCALE



MAYFIELD TULLAMORE TACC LANDS

ENVIRONMENTAL INVESTIGATION

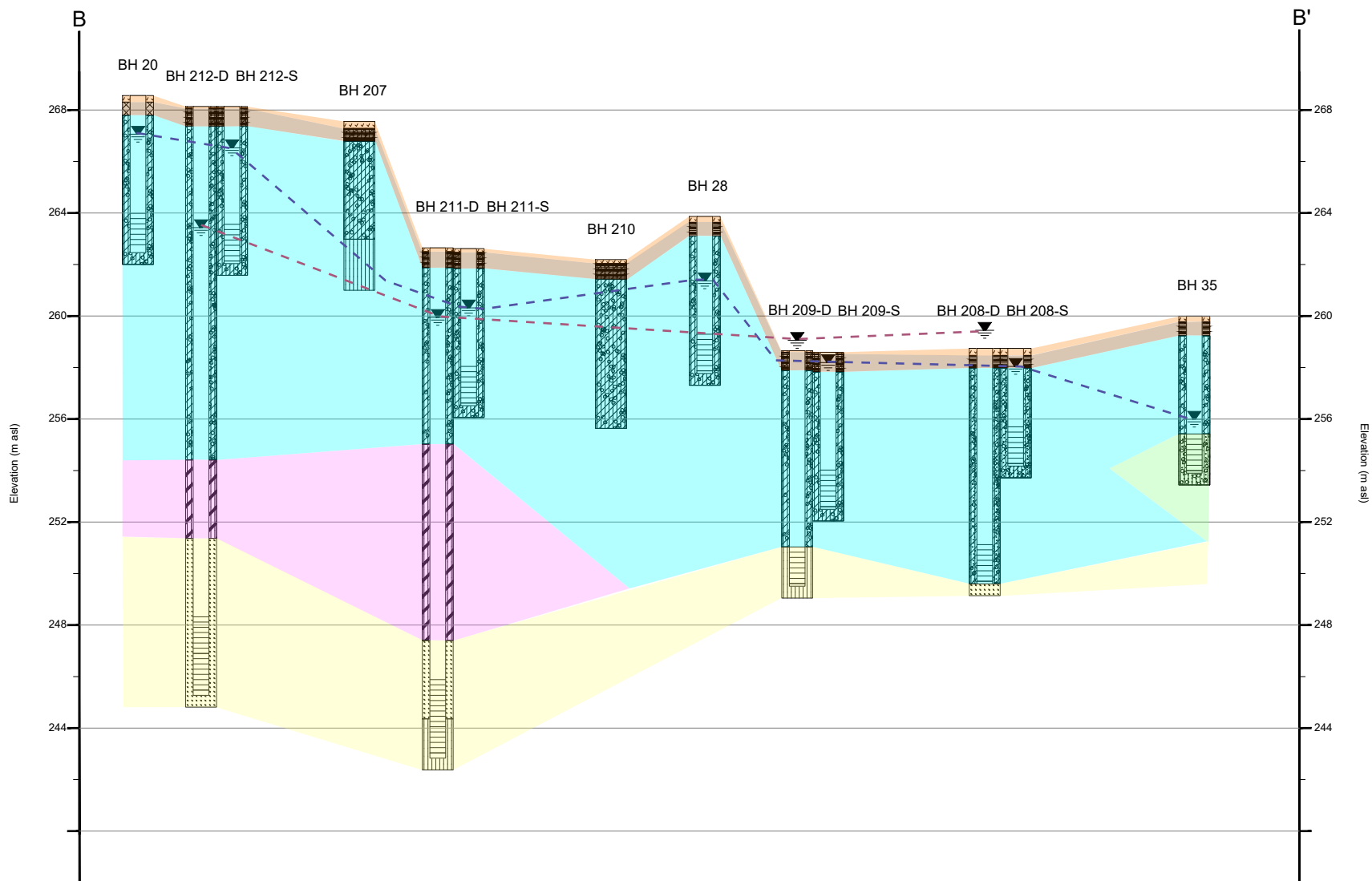


2407688

GEOLOGICAL CROSS
SECTION A-A'

MAY 2025

Fig.6A



LEGEND:

NOTES:

1. Boreholes evenly spaced for illustrative purposes only (no horizontal scaling).

HORIZONTAL SCALE

N.T.S.

VERTICAL SCALE



MAYFIELD TULLAMORE TACC LANDS

ENVIRONMENTAL INVESTIGATION



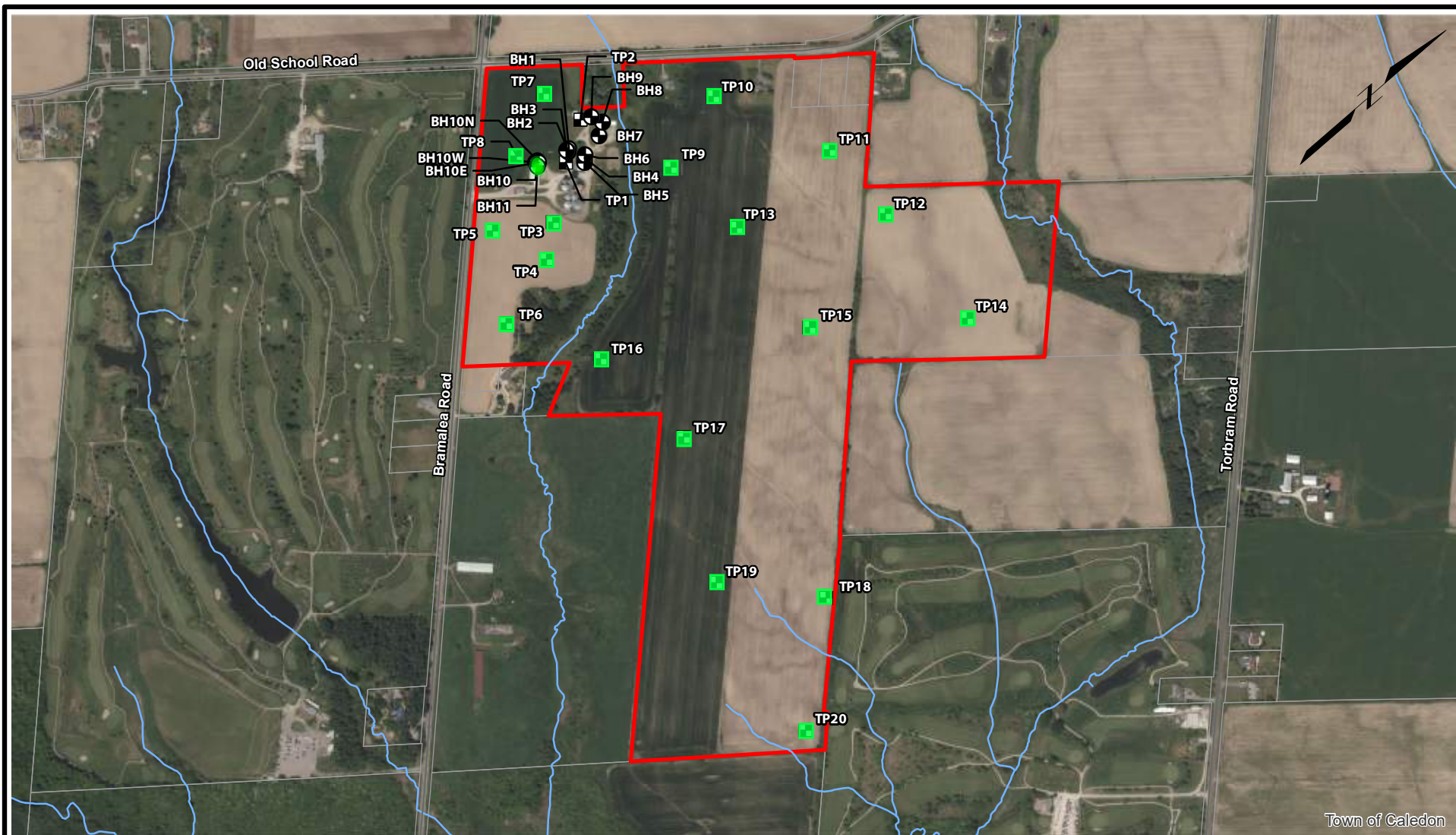
2407688

GEOLOGICAL CROSS
SECTION B-B'

MAY 2025

Fig. 6B

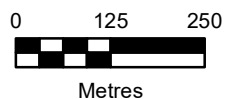
Fig. 7



- Site Location
 Parcels
- Road
 Approximate Test Pit Location
 Test Soil Sample meets Table 1 SCS
- Watercourse
 Approximate Borehole Location

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
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3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.



Phase Two ESA
Mayfield Tullamore

TACC Developments

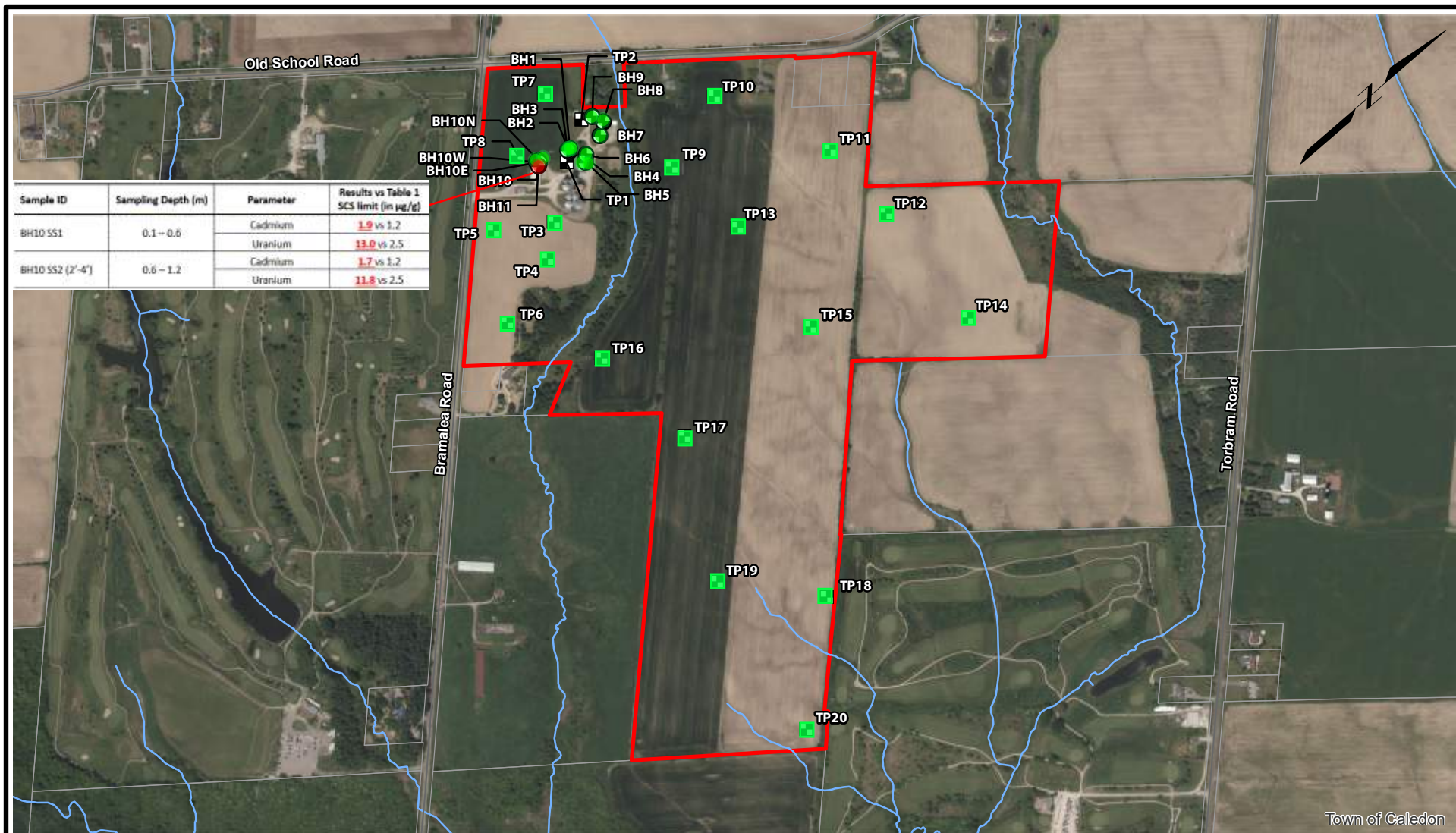


Project 2407688

SOIL ANALYTICAL TESTING
Organochlorinated Pesticides (OCs)

June 2025

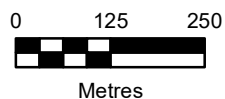
Fig. 8



Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5

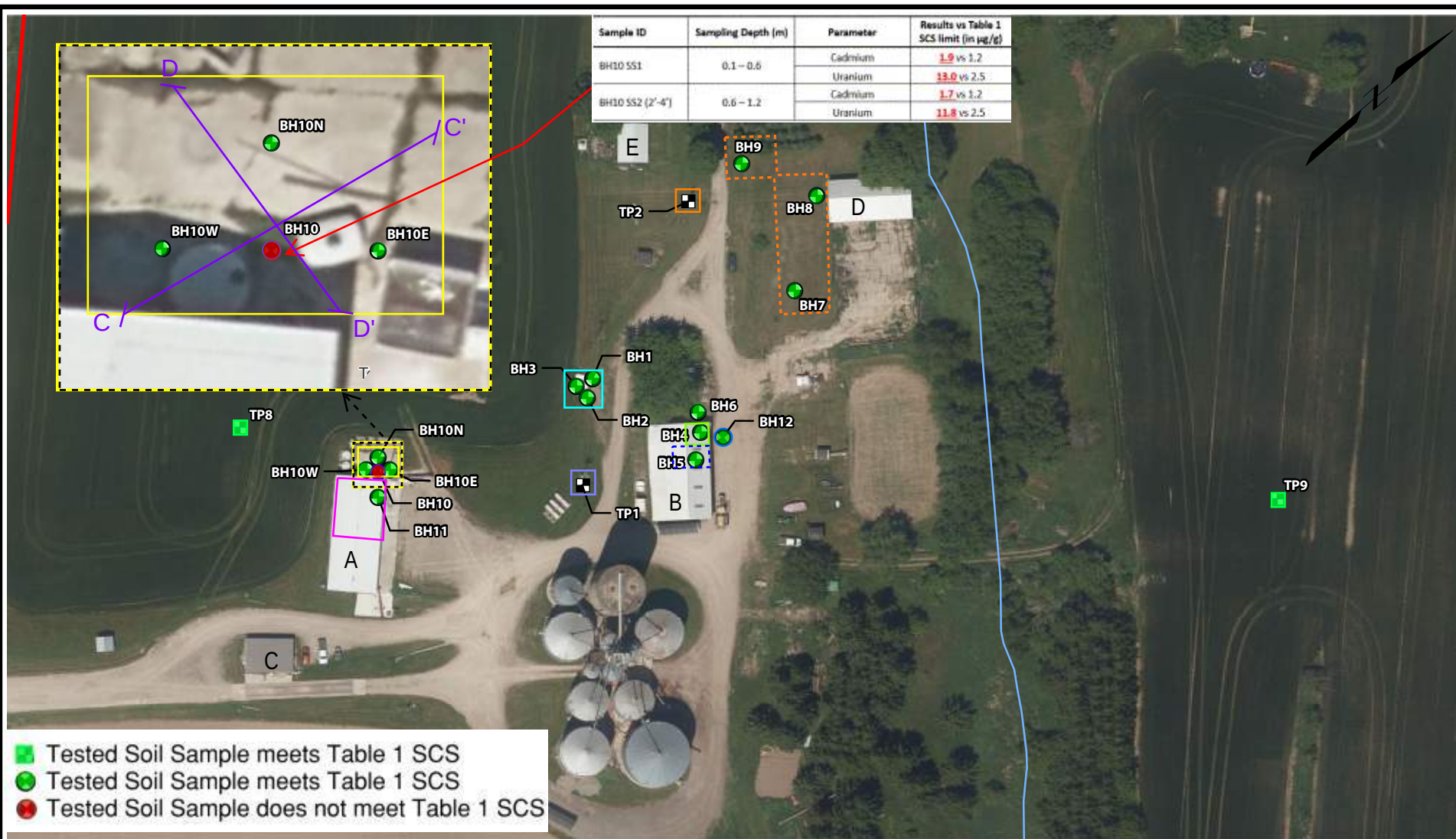
- Site Location
 Parcels
- Road
 Approximate Test Pit Location
- Watercourse
 Approximate Borehole Location
- Tested Soil Sample meets Table 1 SCS
 Tested Soil Sample meets Table 1 SCS
- Tested Soil Sample does not meet Table 1 SCS

Reference(s):
 1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
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Phase Two ESA Mayfield Tullamore TACC Developments (Armstrong) Ltd.	 GEI Consultants	SOIL ANALYTICAL TESTING Metals, hydride-forming Metals
Project 2407688	June 2025	Fig. 9

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5



Reference(s):
 1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
 2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
 3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.

0 10 20

 Metres

Phase Two ESA
 Mayfield Tullamore

TACC Developments (Armstrong) Ltd.



Project 2407688

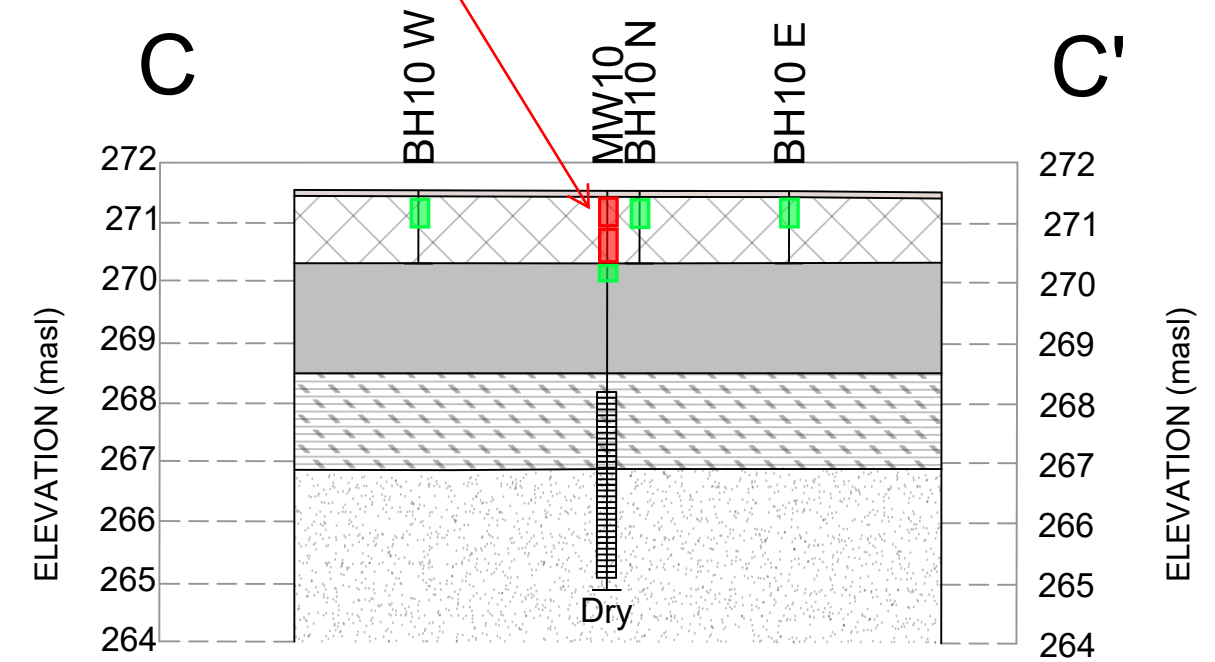
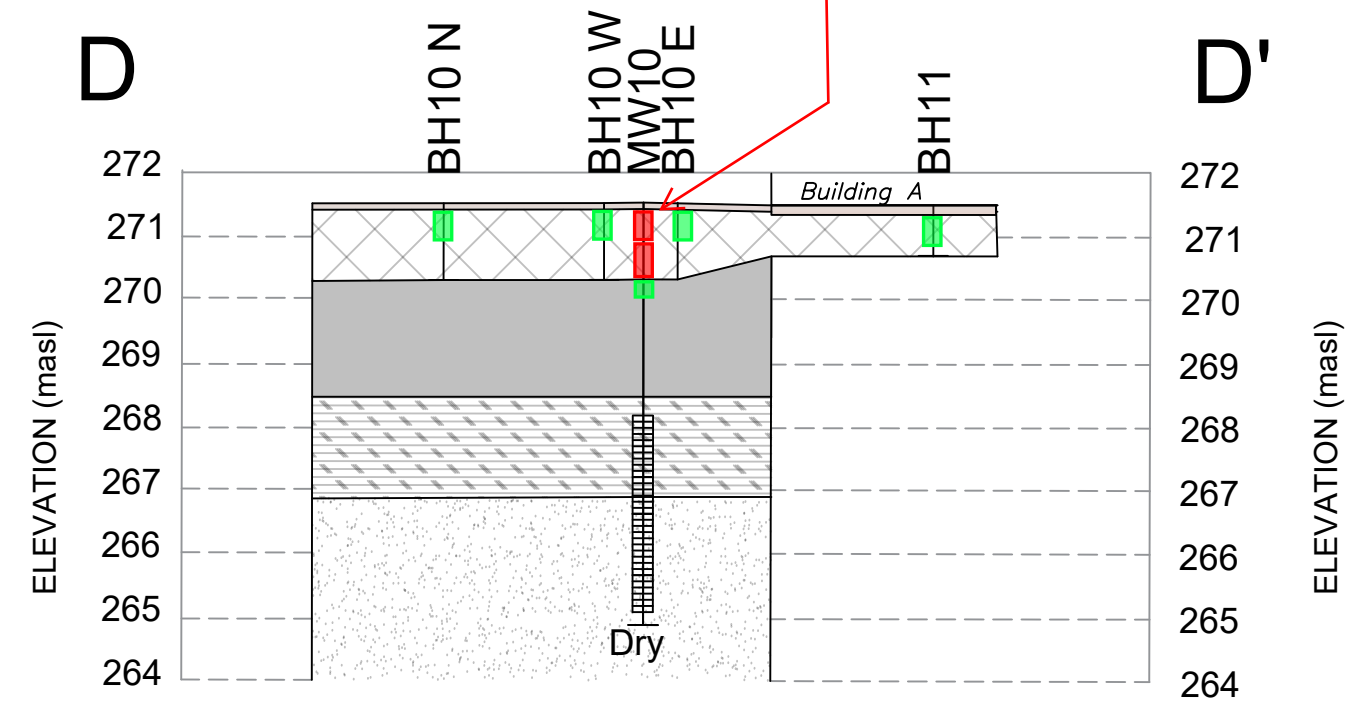
SOIL ANALYTICAL TESTING
 Metals, hydride-forming Metals

June 2025

Fig. 9 A

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5



NOTES:
1. Subsurface conditions known only at borehole locations.

STRATA:



Fill



Silt



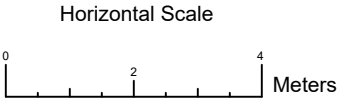
Concrete



Silty Fine Sand

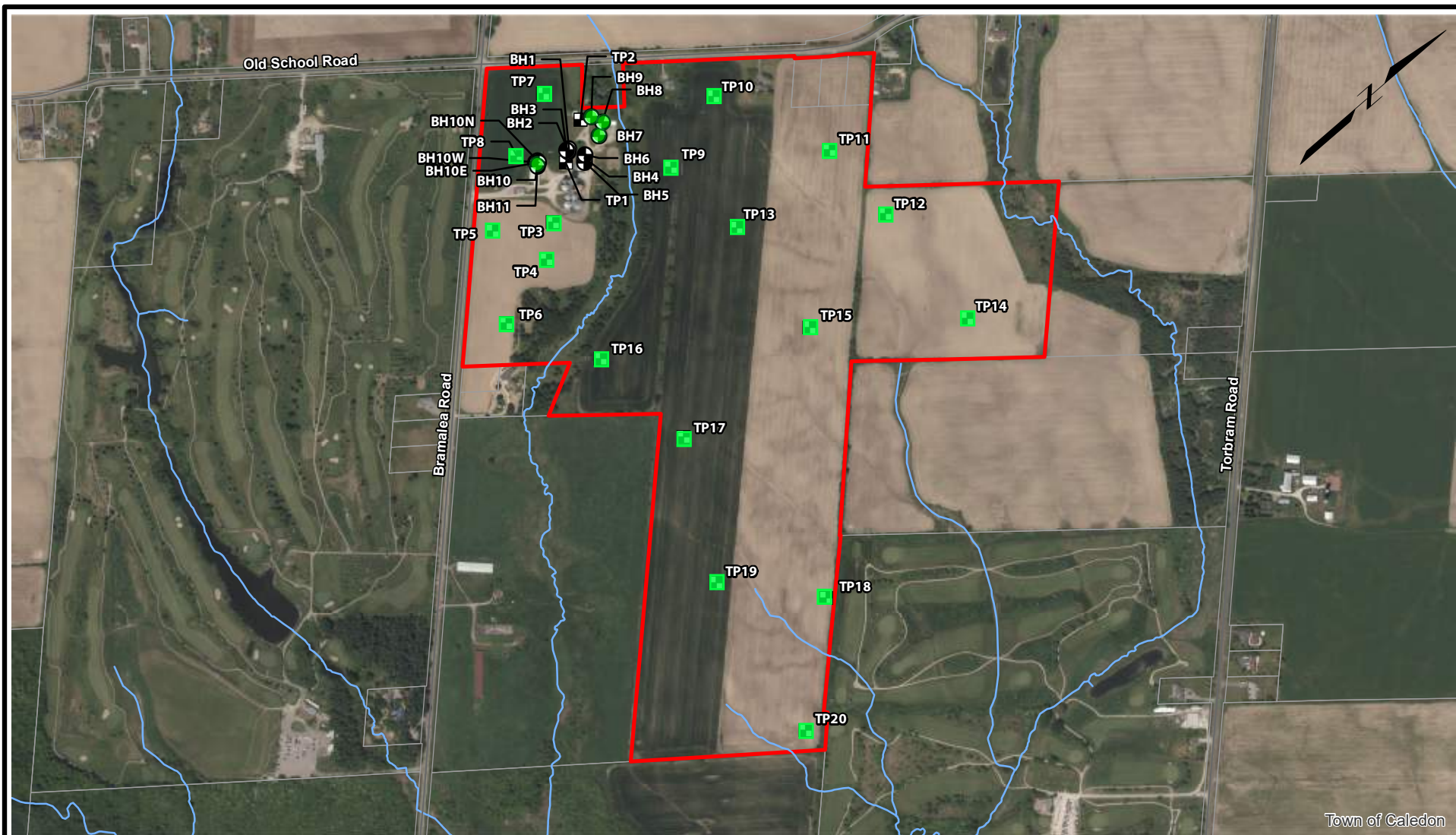


Clayey Silt Till



Phase Two ESA SE Corner of Bramalea Road and Old School Road Caledon, Peel Region, Ontario		SOIL ANALYTICAL TESTING Metals, hydride -forming Metals
TACC Developments (Armstrong) Ltd.	Project 2407688	June 2025

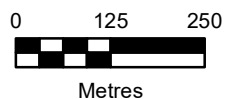
Fig.9B



- Site Location
 Parcels
- Road
 Approximate Test Pit Location
- Watercourse
 Approximate Borehole Location
- Tested Soil Sample meets Table 1 SCS
 ● Tested Soil Sample meets Table 1 SCS

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
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Phase Two ESA
Mayfield Tullamore

TACC Developments

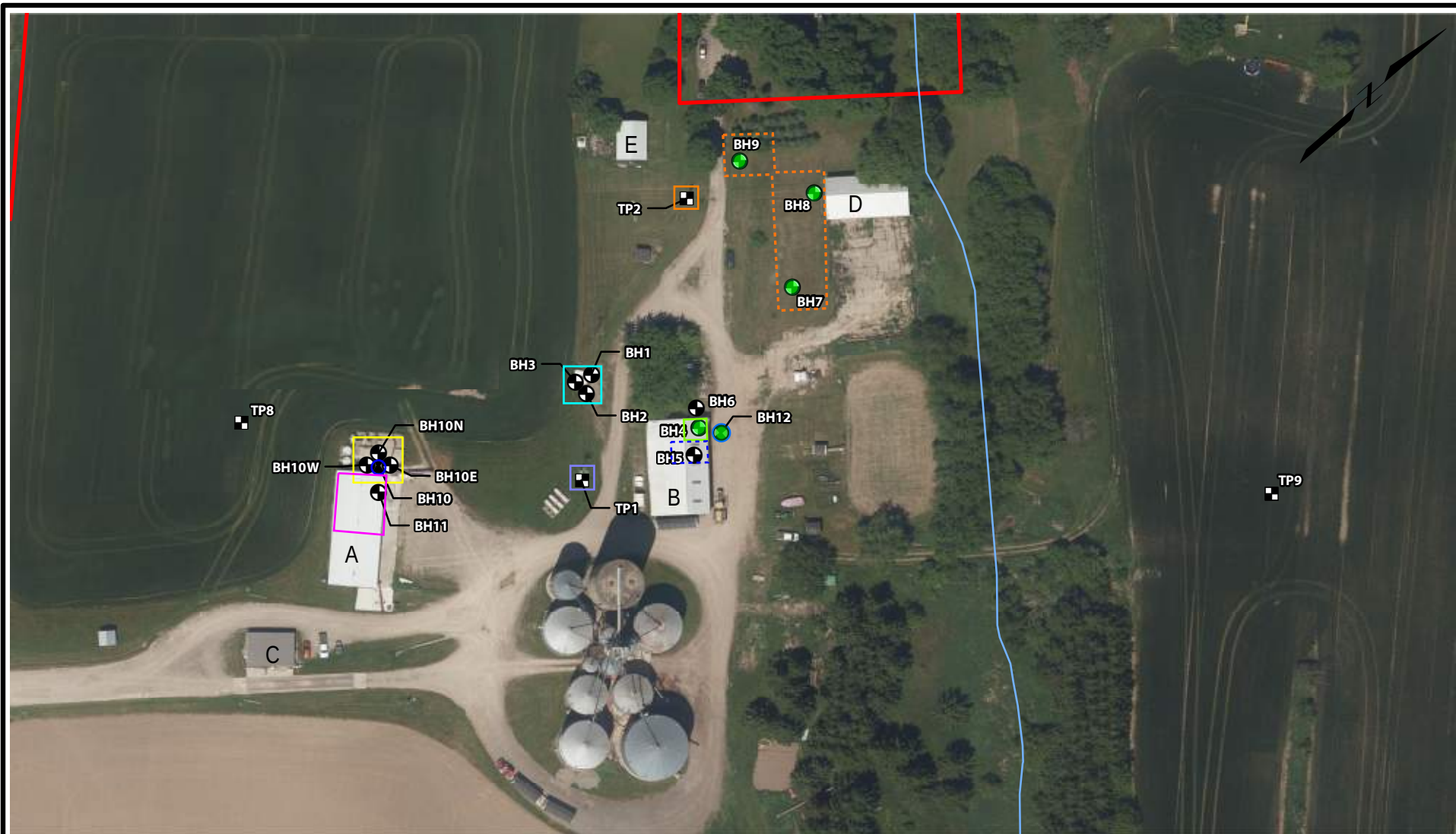


Project 2407688

SOIL ANALYTICAL TESTING
Other Regulated Parameters
(ORPs)

June 2025

Fig.10



Site Location

Watercourse

Approximate Test Pit Location

Approximate Borehole Location

Approximate Borehole/Monitoring Well Location

Tested Soil Sample meets Table 1 SCS

APEC 1

APEC 2

APEC 3

APEC 4

APEC 5

APEC 6

APEC 7

APEC 8

APEC 9

APEC 10

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.

2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.

3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.

0 10 20



Metres

Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.

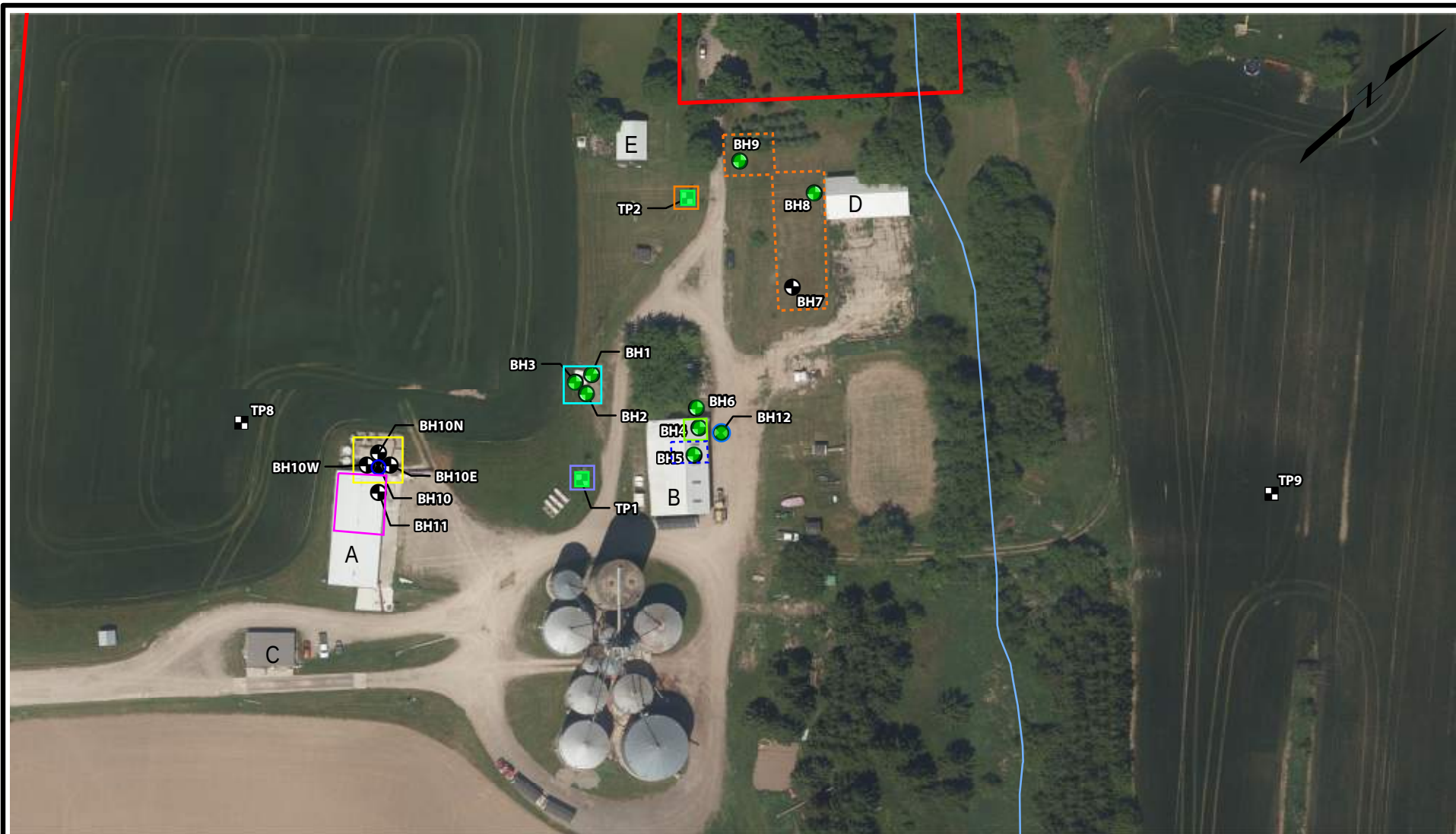


Project 2407688

SOIL ANALYTICAL TESTING
Polycyclic Aromatic Hydrocarbon(s)
PAHs

June 2025

Fig.11



Site Location

Watercourse

Approximate Test Pit Location

Approximate Borehole Location

Approximate Borehole/Monitoring Well Location

Tested Soil Sample meets Table 1 SCS

APEC 1

APEC 3

APEC 6

APEC 9

APEC 2

APEC 4

APEC 7

APEC 10

APEC 5

APEC 8

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.



Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.

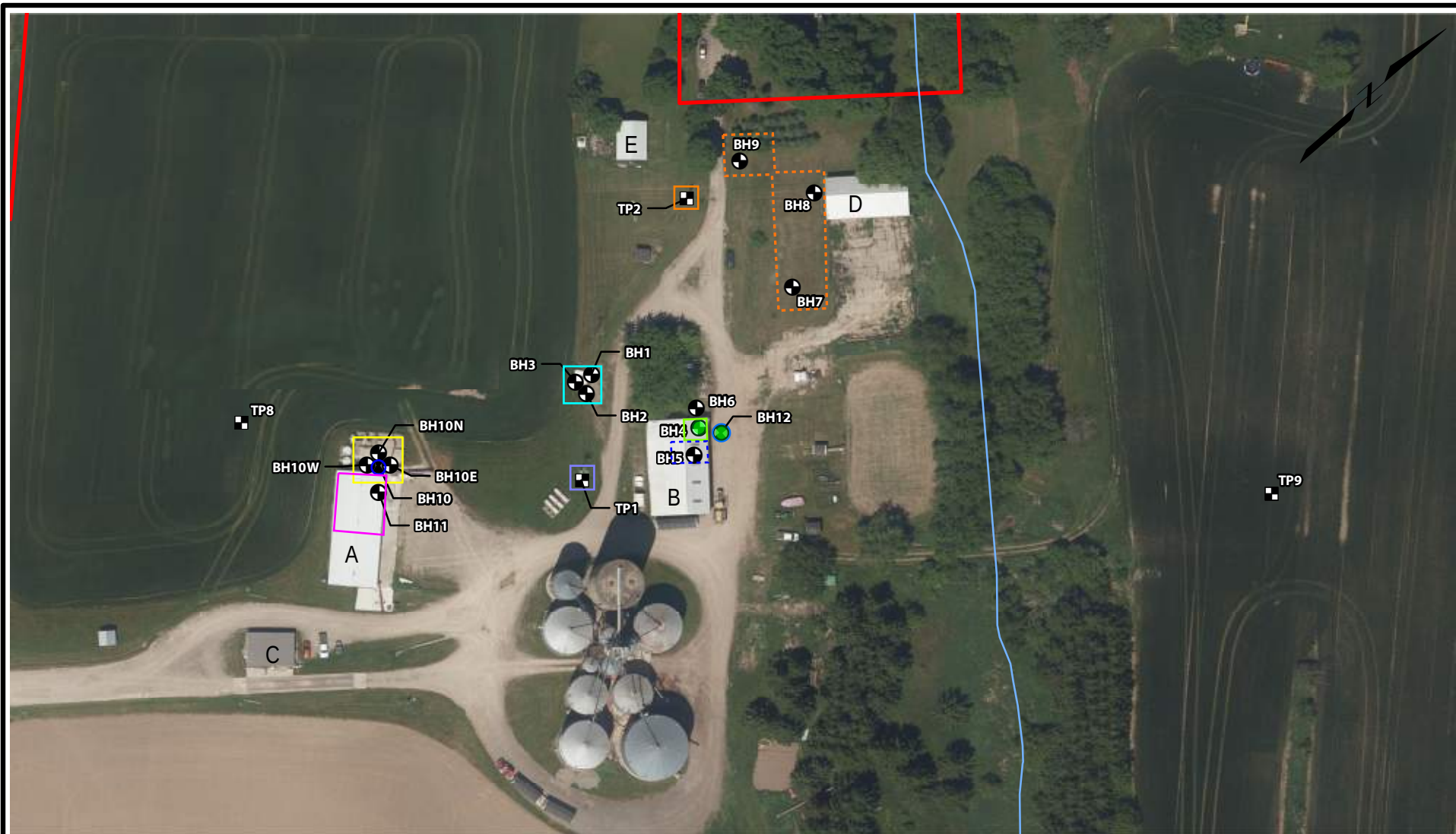


Project 2407688

SOIL ANALYTICAL TESTING
BTEX and PHCs

June 2025

Fig.12



 Site Location

Watercourse

Approximate Test Pit Location

Approximate Borehole Location

Approximate Borehole/Monitoring Well Location

Tested Soil Sample meets Table 1 SCS

 APEC 1

 APEC 3

 APEC 6

 APEC 9

 APEC 2

 APEC 4

 APEC 7

 APEC 10

 APEC 5

 APEC 8

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.

0 10 20



Metres

Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.

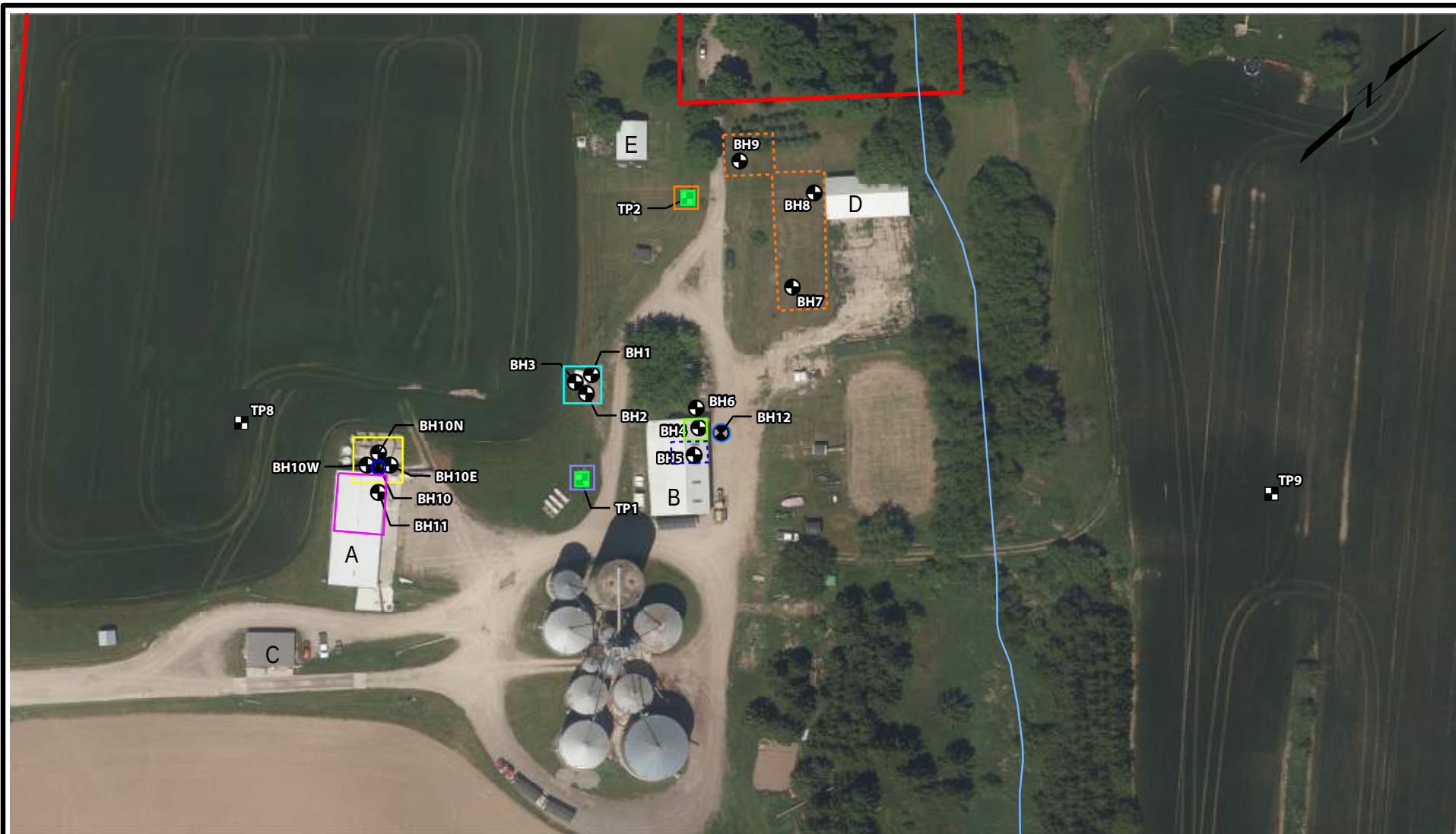


Project 2407688

SOIL ANALYTICAL TESTING
Volatile Organic Compounds
(VOCs)

June 2025

Fig.13



Site Location

Watercourse

Approximate Test Pit Location

Approximate Borehole Location

Approximate Borehole/Monitoring Well Location

Tested Soil Sample meets Table 1 SCS

APEC 1

APEC 2

APEC 3

APEC 4

APEC 5

APEC 6

APEC 7

APEC 8

APEC 9

APEC 10

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.

0 10 20



Metres

Phase Two ESA
Mayfield Tullamore

TACC Developments (Armstrong) Ltd.



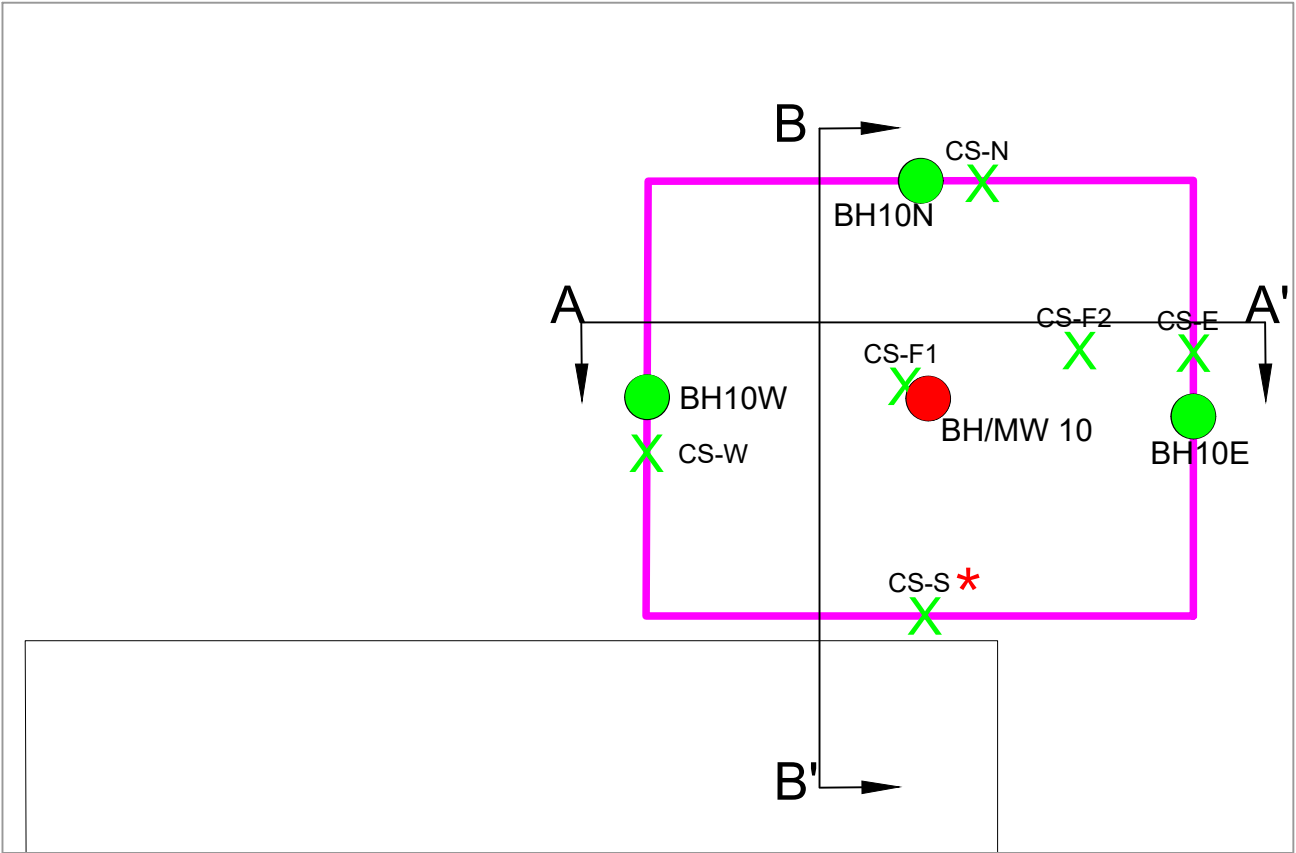
Project 2407688

SOIL ANALYTICAL TESTING
Polychlorinated Biphenyls
(PCBs)

June 2025

Fig.14

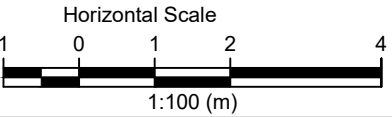
Plan View



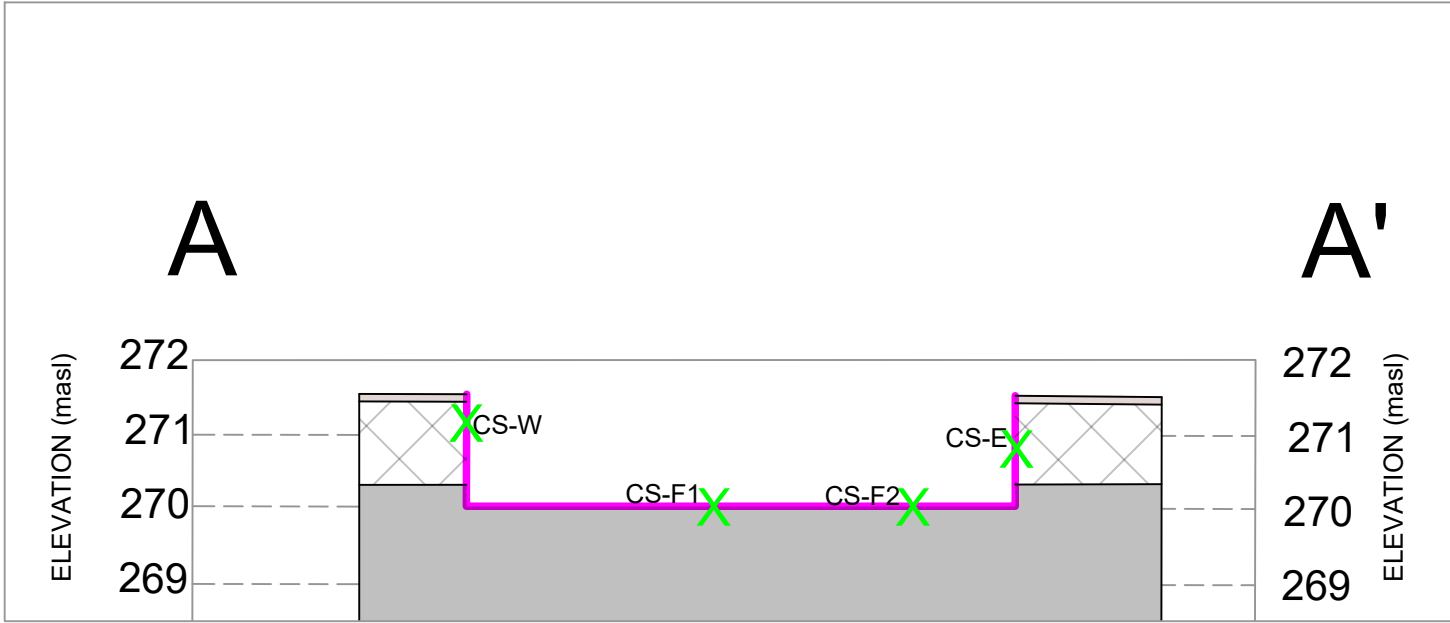
LEGEND:

- Existing Building Footprint
- Extent of Remedial Excavation
- Borehole Location with impacts (Pre-remediation)
- Borehole Location with No impacts (Pre-remediation)
- Confirmatory Sample Location (Post-remediation)

* The sample CS-S initially exhibited an elevated concentration of Selenium exceeding the Table 1 SCS limit. For further assessment, three (3) additional samples were collected from the south wall, within 1.0 m of the previous tested sample CS-S. The average concentration of Selenium, calculated using the original CS-S result and the three additional samples, was calculated to be 1.2 µg/g, which is below the Table 1 SCS criterion of 1.5 µg/g. Based on this average, sample CS-S is considered compliant with the Table 1 SCS standard.

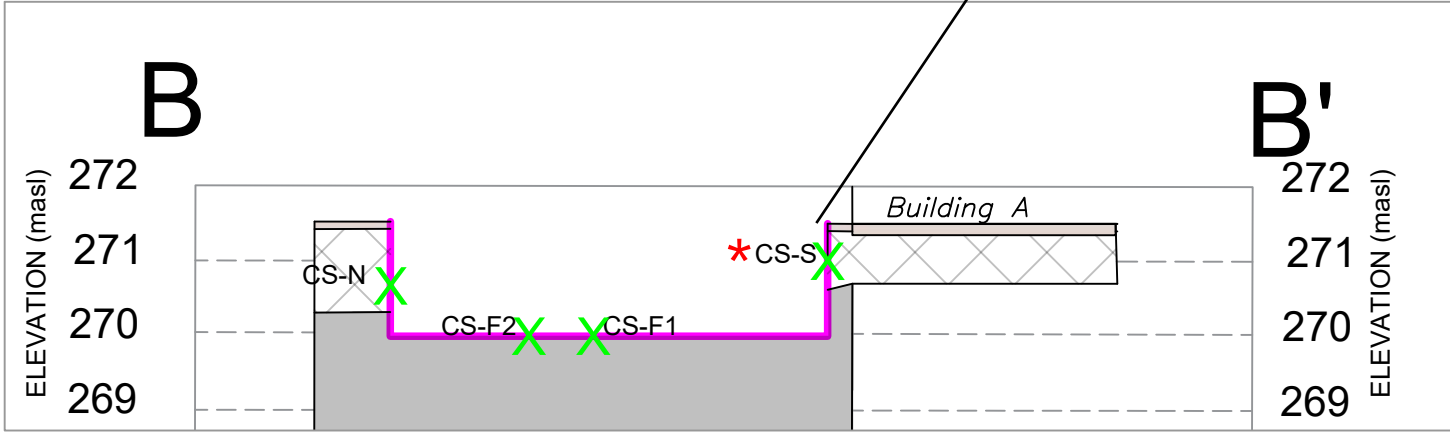


- Fill
- Silty Fine Sand
- Silt
- Clayey Silt Till
- Concrete



Cross Section View

Parameter	Table 1 Limit	CS-S	CS-S/A	CS-S/B	CS-S/C	Average
Selenium	1.5 µg/g	2.2 µg/g	1.0 µg/g	0.6 µg/g	1.1 µg/g	1.2 µg/g



Phase Two ESA SE Corner of Bramalea Road and Old School Road Caledon, Peel Region, Ontario		Post Remediation Soil Conditions
TACC Developments	Project 2407688	

Appendix A Sampling and Analysis Plan



SAMPLING AND ANALYSIS PLAN

TACC Development Lands- Mayfield Tullamore Neighbourhood
SE Corner of Bramalea Road and Old School Road
Caledon, Peel Region, Ontario

Submitted to:

TACC Developments (Armstrong) Ltd.
600 Applewood Crescent,
Vaughan, ON L4K 4B4

Submitted by:

GEI Consultants Canada Ltd.
650 Woodlawn Road West Block C, Unit 2
Guelph, ON N1K 1B8
519.824.8150

March 28, 2025
Project No. 2407688

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1. Introduction

This Sampling and Analysis Plan (SAP) that was developed in support of a Phase Two Environmental Site assessment (ESA) which will be conducted to provide further characterization of the Site subsurface conditions, specifically within the APECs identified at the Site .The SAP presents the procedures and measures that will be undertaken during field investigative activities to characterize the Site conditions and meet the data quality objectives of the Phase Two ESA.

The SAP presents the sampling program proposed for the Site, the recommended procedures and protocols for sampling and related field activities, the data quality objectives, and the quality assurance/ quality control (QA/QC) measures that will be undertaken to provide for the collection of accurate, reproducible, and representative data. These components are described in further detail below.

2. Field Sampling Program

2.1 Field Sampling Program

The field sampling program was developed to provide for the collection of samples of the surficial and subsurface soil materials for chemical analysis of parameters identified as potential contaminants of concern identified in the Phase One ESA.

Soil samples will be collected from the surficial topsoil/fill and/or overburden materials. Groundwater has not been identified as a medium of potential concern at this stage. However, if soil impacts are identified at the site, groundwater quality will be assessed by installing monitoring wells at the impacted locations and collecting groundwater samples from those well.

One monitoring well will be installed near the maintenance building for due diligence purposes. If soil impacts are identified in boreholes located within the maintenance building, groundwater samples will be collected from this monitoring well.

Several monitoring wells already exist on-site, previously installed by GEI for geotechnical and hydrogeological studies. These wells will be used for measuring groundwater levels and establishing the groundwater flow direction across the site.

3. Field Methods

To meet the requirements of the field sampling program, the following field investigative methods will be undertaken:

- Borehole Drilling;
- Soil Sampling;
- Monitoring Well Installation;
- Monitoring Well Development;
- Groundwater Level Measurements;
- Elevation Survey;



- Residue Management Procedures.

The field investigative methods will be performed as described below:

3.1 Borehole Drilling

Boreholes will be advanced at the Site to facilitate the collection of soil samples for chemical analysis and geologic characterization and for the installation of groundwater monitoring wells. Boreholes will be advanced at the Site to a maximum depth of approximately 7.7 m below grade, within the overburden materials to provide for the collection of soil samples beneath the Site. The borehole locations will be selected to assess soil and groundwater (if required) quality at the Site.

Prior to borehole drilling, utility clearances will be obtained from public locators, as required. Boreholes will be advanced into the surficial fill and overburden soils by a drilling company under the full-time supervision of GEI staff. A truck mounted drilling machine equipped with solid stem augers and split spoons will be utilized to advance the boreholes through the overburden materials.

3.2 Soil Sampling

Soil samples for geologic characterization and chemical analysis will be collected from the overburden boreholes using 5 cm diameter, 60 cm long, stainless steel split-spoon sampling devices advanced ahead of the augers. The split-spoon samplers will be attached to drill rods and advanced into the soil by means of a machine-driven hammer. Split-spoon soil samples will be collected where possible, beginning at the ground surface and subsequently at continuous intervals. Geologic and sampling details of the recovered cores will be logged, and the samples will be assessed for the potential presence of non-aqueous phase liquids. A portion of each soil sample will be placed in a sealed Ziploc® plastic bag and allowed to reach ambient temperature prior to field screening using a RKI Eagle 2 gas monitor that will be calibrated by the supplier with an appropriate reference gas and zeroed in ambient conditions prior to use. The vapour measurements will be made by inserting the instrument's probe into the plastic bag while manipulating the sample to ensure volatilization of the soil gases. These readings will provide a real-time indication of the relative concentration of volatile organic vapours encountered in the subsurface during drilling. Samples for chemical analysis will be selected on the basis of visual, combustible gas and olfactory evidence of impacts and at specific intervals to define the lateral and vertical extent of suspected impacts.

Recommended volumes of soil samples selected for chemical analysis will be collected into pre-cleaned, laboratory supplied, analytical test group specific containers. The samples will be placed into clean insulated coolers chilled with ice for storage and transport. Samples intended for PHC and/or VOC and/or BTEX analysis will be collected using a laboratory-supplied soil core sampler, placed into the vials containing methanol for preservation purposes and sealed using Teflon lined septa lids. The samples will be assigned unique identification numbers, and the date, time, location, and requested analyses for each sample will be documented in a bound field notebook. The samples will be submitted to a CALA certified laboratory within analytical test group holding times under Chain of Custody (COC) protocols. New disposable chemical resistant gloves will be used during the handling and sample collection for each soil core to prevent sample cross-contamination.



3.3 Monitoring Well Installation

New monitoring wells (if required) will be installed in general accordance with Ontario Regulation 903/90, as amended and will be installed by a licensed well contractor.

The monitoring wells will be constructed using 50 mm diameter, Schedule 40, PVC riser pipe and number 10 slot size (0.25 mm) well screens. The base of the well screens will be sealed with PVC end caps. All well pipe connections will be factory machined threaded flush couplings. The pipe components will be pre-wrapped in plastic, which will be removed prior to insertion in the borehole to minimize the potential for contamination. No lubricants or adhesives will be used in the construction of the monitoring wells. The annular space around the well screens will be backfilled with silica sand to at least 0.3 m above the top of the screen. Granular bentonite will be placed in the borehole annulus from the top of the sand pack to approximately grade. The monitoring wells will be completed with protective casings.

3.4 Monitoring Well Development

If groundwater sampling become necessary, monitoring wells will be first developed to remove fine sediment particles potentially lodged in the sand pack and well screen to enhance contact with the surrounding formation groundwater and will be developed using dedicated bailers. Monitoring well development will be monitored by multiparameter water quality meter visual observations of turbidity, and by taking field measurements of pH and conductivity for every well volume removed. Standing water volumes will be determined by means of a water level meter. Water quality parameter measurements will be recorded using a multiparameter water quality meter. A minimum of approximately three (3) well volumes will be removed; and, well development will continue until the purged water has chemically stabilized as indicated by field parameters measurements.

Well development details will be documented on a well development log sheet or in a bound hard cover notebook. All water accumulated during well development will be collected and stored in sealed containers.

3.5 Groundwater Level Measurements

Groundwater level measurements will be recorded from existing on-site monitoring wells in conjunction with hydrogeological study, to determine groundwater flow and direction at the Site. Water levels will be measured with respect to the top of the casing by means of a groundwater level meter. The water levels will be recorded on water level log sheets or in a bound field notebook. The water level meter probe will be decontaminated between monitoring well locations.

3.6 Elevation Survey

An elevation survey of the boreholes and monitoring wells will be conducted by GEI staff to obtain vertical control of all boreholes and monitoring well locations. The ground surface elevations of each borehole/monitoring well locations will be surveyed using a Trimble GNSS receiver unit to obtain geodetic elevations. For boreholes located inside the site buildings, the borehole elevations will be adjust manually based on visual observations.

Elevations will be recorded as meters above mean sea level (m asl). The elevation survey will be accurate to within ± 1 cm.



3.7 Groundwater Sampling

Groundwater has not been identified as a medium of potential concern at this stage. However, if soil impacts are identified at the site, groundwater quality will be assessed by installing monitoring wells at the impacted locations and collecting groundwater samples from those well.

One monitoring well will be installed near the maintenance building for due diligence purposes. If soil impacts are identified in boreholes located within the maintenance building, groundwater samples will be collected from this monitoring well.

Prior to sampling, the monitoring wells will be purged first of three to five wetted well volumes of water to remove standing water and draw in fresh formation water as previously described. Dedicated well materials will be used for well purging and sample collection.

Recommended groundwater sample volumes will be collected into pre-cleaned, laboratory-supplied vials or bottles provided with analytical test group specific preservatives, as required. The samples will be placed in an insulated cooler chilled with ice for storage and transport. Where needed, bottles will be checked for headspace.

All groundwater samples will be assigned unique identification numbers, and the date, time, project number and company name will be specified on each bottle. The samples will be submitted to the contractual laboratory within analytical test group holding times under COC protocols. New disposable chemical resistant gloves will be used for each sampling location to prevent sample cross-contamination.

3.8 Residue Management Procedures

The residue materials produced during the borehole drilling, soil sampling programs and monitoring well sampling programs comprised of decontamination fluids from equipment cleaning, and waters from well development and purging will be placed in sealed drums for future off-Site disposal.



4. Field Quality Assurance/Quality Control Program

The objective of the field quality assurance/quality control (QA/QC) program is to obtain soil and groundwater samples and other field measurements that provide data of acceptable quality that meets the objectives of the Phase Two ESA. The objectives of the QA/QC program will be achieved through the implementation of procedures for the collection of unbiased (i.e., non-contaminated) samples, sample documentation and the collection of appropriate QC samples to provide a measure of sample reproducibility and accuracy. The field QA/QC measures will comprise:

- Decontamination Protocols;
- Equipment Calibration;
- Sample Preservation;
- Sample Documentation; and,
- Field Quality Control Samples.

Details on the field QA/QC measures are provided in the following sections.

4.1 Decontamination Protocols

Decontamination protocols will be followed during field sampling where non-dedicated sampling equipment is used to prevent sample cross contamination. For the borehole drilling and soil sampling, split soil sampling devices will be cleaned/decontaminated between sampling intervals and auger flights between borehole locations. For the monitoring well installation, well components are not to come into contact with the ground surface prior to insertion into boreholes. Electronic water level meters will be decontaminated between monitoring well locations during well development, purging activities and rising head tests. All decontamination fluids will be collected and stored in sealed containers.

4.2 Equipment Calibration

All equipment requiring calibration will be calibrated according to manufacturer's requirements using analytical grade reagents, or by the supplier prior to conducting field activities.

4.3 Sample Preservation

All samples will be preserved using appropriate analytical test group specific reagents, as required, and upon collection placed in ice-filled insulated coolers for storage and transport.

4.4 Sample Documentation

All samples will be assigned a unique identification number, which is to be recorded along with the date, time, project number and company name. All samples will be handled and transported following COC protocols.



4.5 Field Quality Control Samples

Field quality controls samples will be collected to evaluate the accuracy and reproducibility of the field sampling procedures. Where required, for groundwater samples, a trip blank prepared by a laboratory will be submitted for chemical analysis to evaluate the potential for sample cross-contamination or bias. The recommended alert criteria for the trip blank sample are the detections of any test group analyte at a concentration in excess of laboratory detection limits.

4.6 Accredited Laboratory Quality Assurance/Quality Control

All soil and groundwater analytical testing will be performed by Eurofins Environmental Testing Canada, Inc. (Eurofins), which is a CALA accredited laboratory. Eurofins is accredited under the Standards Council of Canada/Canadian Association of Environmental Analytical Laboratories (Accredited Laboratory No. 852) in accordance with ISO/IEC 17025:2017 - "General Requirements for the Competence of Testing and Calibration Laboratories".

Certificates of Analysis are expected from Eurofins reporting the results of all the chemical analyses performed on the submitted soil and groundwater samples. Review of the Certificates of Analysis prepared by Eurofins is required to determine that they were in compliance with the requirements set out under subsection 47(3) of O.Reg.153/04.

The analytical program conducted by Eurofins includes analytical test group specific QA/QC measures to evaluate the accuracy and precision of the analytical results and the efficiency of analyte recovery during solute extraction procedures. The laboratory QA/QC program consists of the preparation and analysis of laboratory duplicate samples to assess precision and sample homogeneity, method blanks to assess analytical bias, spiked blanks and QC standards to evaluate analyte recovery, matrix spikes to evaluate matrix interferences and surrogate compound recoveries (VOCs only) to evaluate extraction efficiency. The laboratory QA/QC results will be presented in the Quality Assurance Report provided in the Certificate of Analysis prepared by Eurofins. The QA/QC results will be reported as percent recoveries for matrix spikes, spike blanks and QC standards, RPDs for laboratory duplicates and analyte concentrations for method blanks.



Appendix B Phase One ESA Conceptual Site Model

Phase One ESA Conceptual Site Model

This section presents the Phase One Conceptual Site Model (CSM) providing a narrative, graphical and tabulated description integrating information related to the Site geologic and hydrogeologic conditions, areas of potential environmental concern/potential contaminating activities, and the presence and distribution of potential contaminants of concern. These components are discussed in the following sections.

Phase One Property Information

The Site is located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario, as shown on Figure 1.

The Site is irregular in shape and encompasses approximately 178 acres (72 hectares) in total area. It is currently under a combination of commercial (grain storage), agricultural, and residential uses. A large portion of the Site consists of undeveloped agricultural fields, along with several farm-related buildings and a cluster of grain storage silos located in the western portion of the property. These silos are used for commercial grain storage on behalf of third parties. The northern portion of the Site is developed with three (3) residential dwellings fronting onto Old School Road.

Two waterbodies are present on the Site- one located in the northwestern portion and the other in the northeasternmost area. A recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two Natural Heritage Systems (NHS) traversing the Site, each associated with one of these waterbodies.

The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 18 m from the northwest corner to the southeast corner.

The Phase One Property Information is further summarized in Table 1-1.

Table Error! No text of specified style in document.-1. Phase One Property Information

Site Details	
Municipal Addresses	• 12933 Bramalea Road, Caledon East • 5089 Old School Road, Caledon East • 5101 Old School Road, Caledon East • 5155 Old School Road, Caledon East
Current Owner	TACC Developments (Armstrong) LTD.
Owner Address	600 Applewood Crescent, Vaughan, Ontario L4K 4R1
Owner Contact Person	Mr. Christopher Sivry, Development Counsel

Site Details	
Legal Description	Part Lot 21 and 22, Concession 5, East of Hurontario Street, (Geographic Township of Chinguacousy), Town of Caledon, Region Municipality of Peel
Property Identification Number (PIN)	14347-0377 (LT) 14347-0378 (LT) 14347-0379 (LT) 14347-0380 (LT)
Property Size	178 acres (72 hectares)
Approximate Universal Transverse Mercator (UTM) coordinates	Zone: 17 Easting: 596426 m Northing: 4849206 m (1m, NAD83, Google Earth Pro)

The Site is surrounded by agricultural lands, scattered residential properties, and golf courses. The Site is bounded by Old School Road to the north, with farmlands beyond; Bramalea Road to the west, followed by a golf course; farmland and another golf course to the east; and farmland to the south. The surrounding properties use is shown in Figure 2.

Geological and Hydrogeological Conditions

The Site slopes overall downward from west to east and also from northwest to southeast. There is an elevation change of approximately 8.0 m from the northwest to the northeast portion of the Site, and a more significant grade change of approximately 18 m from the northwest corner to the southeast corner.

The surficial geology of the Site is defined as clay to silt-textured till (derived from glaciolacustrine deposits or shale). The physiography of the Site is characterized as a till plain (drumlinized), within the physiographic region of the South Slope. The bedrock in the general area of the Site consists of Shale, limestone, dolostone, siltstone, and is part of the Queenston Formation. Based on the information gathered from MECP well records, the depth to bedrock is anticipated to be 30 -35 m.

Two waterbodies are present on the Site—one located in the northwestern portion and the other in the northeasternmost area. Additionally, four (4) headwater drainage features are situated in the central to southeastern portion of the Site. These two waterbodies are tributaries of the West Humber River. The Site is located approximately 11 km from the main channel of the West Humber River and about 32 km from the nearest shoreline of Lake Ontario. Overall, groundwater is interpreted to flow in a southeasterly direction, with localized variations influenced by topographic lows, drainage features, on site waterbodies and nearby watercourses.

Based on a review of available resources from the Ministry of Natural Resources and Forestry (MNRF) as of May 20, 2025, no provincially mapped wetlands or Areas of Natural and Scientific Interest (ANSI) were identified on the Site. However, a recent Local Subwatershed Study completed by GEI for the Site and surrounding properties identified two (2) wetlands currently located on the Site. One wetland, situated in the northwestern portion of the Site and forming part of the identified Natural Heritage System (NHS), is

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considered non-significant. The second wetland, located in the northeastern portion of the Site and also part of the NHS, is considered a candidate for designation as a significant wetland.

Underground Utilities

The Site is not connected to enbridge gas, municipal service for water and wastewater utilities. The hydro connection is via overhead lines.

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

On-Site PCAs

Following PCAs were identified for the Site:

- **PCA 1:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and historical agricultural use.
- **PCA 2:** PCA #28 Gasoline and associated products storage in a fixed tank, due to presence of three (3) ASTs storing fuel oil for refueling farm equipment.
- **PCA 3:** PCA #28 Gasoline and associated products storage in a fixed tank, due to presence of one (1) AST storing waste oil.
- **PCA 4:** PCA #Other-Staining, due to presence of stained area on concrete floor inside the Maintenance shop – Building B.
- **PCA 5:** PCA #52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems, due to storage of hydraulic oil drums inside the Maintenance shop-Building B
- **PCA 6:** PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage, due to bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A
- **PCA 7:** PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage, due to bulk storage of granular/powder fertilizer inside Building A
- **PCA 8:** PCA #30 Importation of fill of unknown quality, within footprints of former farm buildings.
- **PCA 9:** PCA# 55 Transformer Manufacturing, Processing and Use, due to the presence of pole mounted transformer located west of Building B
- **PCA 10:** PCA# 55 Transformer Manufacturing, Processing and Use, due to presence of pole mounted transformer located west of Building D.

Off-Site PCAs

Following PCAs were identified as associated with properties within the Phase One Study Area.

- **PCA 11:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and

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historical agricultural use. Associated with golf course property located across the Site, on west side of Bramalea Road.

- **PCA 12:** PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications, due to the current and historical agricultural use. Associated with golf course property located adjacent to the southeast portion of the Site.

Above listed On -Site and Off-Site PCAs are presented on Figure 2.

Based on the review of on-site and off-site PCAs, APECs are identified for the Phase One Property due to various on-site PCAs. The two offsite PCAs 11 and 12, both associated with #40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications were not identified as contributing APECs. OC pesticides are generally considered to have low mobility in soil and groundwater due to their strong sorption to soil particles and low water solubility. As such, the potential near-surface application of OC pesticides on surrounding golf course properties is not considered to represent an APEC to the Site.

The following is a summary of Areas of Potential Environmental Concern identified at the Site.

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
Potential use of pesticides and fertilizers on farming lands (APEC 1)	Entire Phase One Property	PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site (PCA 1)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS), OCs	Soil
Presence of three (3) aboveground fuel oil tanks for refueling farm equipment (APEC 2)	Within Northwest quadrant - Phase One Property	PCA #28 Gasoline and associated products storage in a fixed tank	On-Site (PCA 2)	Metals, BTEX, PHCs	Soil
Presence of an aboveground old waste oil aboveground tank	Within Northwest quadrant -	PCA #28 Gasoline and associated	On-Site (PCA 3)	Metals, BTEX, PHCs	Soil

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APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
(APEC 3)	Phase One Property	products storage in a fixed tank			
Stained area inside the maintenance shop- Building B (APEC 4)	Within Northwest quadrant - Phase One Property	PCA #Other - Staining	On-Site (PCA 4)	Metals, VOCs, BTEX, PHCs and PAHs	Soil
Hydraulic oil drums and plastic pails storing lubricant placed inside the maintenance shop- Building B on bare ground. (APEC 5)	Within Northwest quadrant - Phase One Property	PCA#52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems	On-Site (PCA 5)	Metals, VOCs, BTEX, PHCs	Soil
Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A (APEC 6)	Within Northwest quadrant - Phase One Property	PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	On-Site (PCA 6)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS), OCs	Soil
Bulk storage of granular/powder fertilizer inside Building A (APEC 7)	Within Northwest quadrant - Phase One Property	PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage	On-Site (PCA 7)	Metals, arsenic, antimony, selenium, hexavalent chromium, mercury, cyanide, boron (HWS), OCs	Soil
Potential fill associated within former farm buildings footprints (APEC 8)	Within Northwest quadrant - Phase One Property	PCA #30 Importation of fill of unknown quality	On-Site (PCA 8)	Metals, hexavalent chromium, mercury, arsenic, antimony, selenium, cyanide, boron (HWS), PAHs	Soil

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APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	COPCs	Media Potentially Impacted (Groundwater, soil and/or sediment)
Presence of pole mounted transformer located west of Building B (APEC 9)	Within Northwest quadrant - Phase One Property	PCA# 55 Transformer Manufacturing, Processing and Use	On-Site (PCA 9)	BTEX, PHCs and PCBs	Soil
Presence of pole mounted transformer located west of Building D (APEC 10)	Within Northwest quadrant - Phase One Property	PCA# 55 Transformer Manufacturing, Processing and Use	On-Site (PCA 10)	BTEX, PHCs and PCBs	Soil

Appendix C Borehole Logs

RECORD OF BOREHOLE No. BH1



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849490.39** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596040.568** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100	200	300	400				
											Atterberg Limits							
											PL				LL			
											○	Water Content (%)						
											○	10	20	30	40			
											●	10	20	30	40			

RECORD OF BOREHOLE No. BH2



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849486.27** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596043.306** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL				
								Penetration Testing		Water Content (%)							
	Topsoil: 75 mm over	SS	1	80		0											
	FILL: disturbed on-site material, clayey silt, some boulder pieces in the upper 200 mm, trace sand, trace gravel, dark brown to brown, moist, no odours					270											
	CLAYEY SILT TILL: trace gravel, brown, moist, no odors	SS	2	90		1.2											
	Borehole Terminated at 1.5 m																

RECORD OF BOREHOLE No. BH3



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849485.8** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596039.41** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160		PL							
									Penetration Testing		Water Content (%)							
									○ SPT ● DCPT		10 20 30 40							
											</							

RECORD OF BOREHOLE No. BH4



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849780.8** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **605207.41** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING				LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)				Atterberg Limits					GR	SA	SI	CL
								X Other Test	+ Pocket Penetrometer	▲ Field Vane (Intact)	△ Field Vane (Remolded)	△ Combustible Organic Vapour - Hex	▲ Combustible Organic Vapour - IBL	◇ Total Organic Vapour (ppm)	O Water Content (%)					
				Penetration Testing				PL				LL								
				○ SPT ● DCPT																
	0.0270.5	CONCRETE FLOOR: 50 mm	SS	1	100		0													
		FILL: sandy silt, brown, trace rootlets, organic inclusions, moist, no odours	SS				270													
		- - - Changing to clayey silt, brown, trace, grey, rootlets, moist - - -	SS	2	100		1.2													
	2.3268.2		SS	3	100		268.8													
	Borehole Terminated at 2.3 m																			

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Local Benchmark: Elevations are Geodetic, taken using Trimble

Reviewed By: **AA** Easting: **596074.602** Date Completed: **April 3, 2025**

GEI CONSULTANTS Canada Ltd. www.geiconsultants.com	 Groundwater depth encountered on completion of drilling: Dry	
	 Groundwater depth observed on:	Groundwater Elevation:
Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.		Scale: 1 : 60 Page: 1 of 1

RECORD OF BOREHOLE No. BH6



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849505.21** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596065.825** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
									○ SPT ● DCPT		PL							
									10 20 30 40		Water Content (%)							
											LL							
																	</	

RECORD OF BOREHOLE No. BH7



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849545.14** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596056.687** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m) ELEVATION (m)		FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits								
						Other Test Pocket Penetrometer Field Vane (Intact) Field Vane (Remolded)	Penetration Testing SPT DCPT	Combustible Organic Vapour - Hex Combustible Organic Vapour - IBL Total Organic Vapour (ppm)	Water Content (%)			GR	SA	SI	CL			
	0.0 279.0					0												
	TOPSOIL:50 mm	SS	1	100														
	FILL: disturbed on-site material, clayey, sandy silt, trace gravel, brown, moist, no odours																	
	0.8 269.2																	
	Borehole Terminated at 0.8 m																	

RECORD OF BOREHOLE No. BH8



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849565.47** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596041.407** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m) ELEVATION (m)		FIELD TESTING		LAB TESTING					Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits						GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex	PL	LL						
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL								
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)								
								△	Field Vane (Remolded)		100 200 300 400								

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. BH9



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849555.89** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596022.695** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR SA SI CL			
								Penetration Testing		Water Content (%)								
	0.0 270.9							○ SPT ● DCPT										

RECORD OF BOREHOLE No. BH11



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Direct Push** Drilling Machine: **Pionjar**
 Logged By: **CM** Northing: **4849426.73** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596032.863** Date Completed: **April 3, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m) ELEVATION (m)		FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits								
						× Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	Penetration Testing ○ SPT ● DCPT	△ Combustible Organic Vapour - Hex ▲ Combustible Organic Vapour - IBL ◇ Total Organic Vapour (ppm)	Water Content (%) PL ————— LL									
	0.0 271.5 0.1 271.4 0.8 270.8					0	271.2											
	CONCRETE FLOOR: 150 mm over FILL: Sand and gravel to sandy silt, trace clay, brown, moist	SS	1	100														
	Borehole Terminated at 0.8 m																	

RECORD OF BOREHOLE No. BH12



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Auger and Split Spoon** Drilling Machine: **Geoprobe**
 Logged By: **CM** Northing: **4849505.85** Date Started: **April 4, 2025**
 Reviewed By: **AA** Easting: **596071.451** Date Completed: **April 4, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)							
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL							
						Other Test	Pocket Penetrometer	Combustible Organic Vapour - Hex	Combustible Organic Vapour - IBL	Total Organic Vapour (ppm)	Water Content (%)	PL	LL							
								Penetration Testing												
								40 80 120 160												
								10 20 30 40												
								10 20 30 40												

Borehole Terminated at 9.1 m

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: 27 May, 2025 at depth of: Dry Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. MW10



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Auger and Split Spoon** Drilling Machine: **Geoprobe**
 Logged By: **CM** Northing: **4849432.64** Date Started: **April 3, 2025**
 Reviewed By: **AA** Easting: **596022.846** Date Completed: _____

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
								○	SPT	●	DCPT							
									10 20 30 40									

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: 27 May, 2025 at depth of: Dry Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. BH10-W



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Auger and Split Spoon** Drilling Machine: **Geoprobe**
 Logged By: **CM** Northing: **4849432.64** Date Started: **May 7, 2025**
 Reviewed By: **AA** Easting: **596012.846** Date Completed: **May 7, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR SA SI CL			
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
									○ SPT ● DCPT									
									10 20 30 40									

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on:

Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. BH10-E



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Auger and Split Spoon** Drilling Machine: **Geoprobe**
 Logged By: **CM** Northing: **4849432.64** Date Started: **May 7, 2025**
 Reviewed By: **AA** Easting: **596022.846** Date Completed: **May 7, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
									○ SPT ● DCPT		PL							
									10 20 30 40		○ Water Content (%)							
											LL							

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on:

Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. BH10-N



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands- Phase**
 Project Location: **SE corner of Bramalea Rd & Old School Rd**
 Drilling Location: **Caledon, ON**
 Local Benchmark: **Elevations are Geodetic, taken using Trimble**

Drilling Method: **Auger and Split Spoon** Drilling Machine: **Geoprobe**
 Logged By: **CM** Northing: **4849422.64** Date Started: **May 7, 2025**
 Reviewed By: **AA** Easting: **596022.846** Date Completed: **May 7, 2025**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR SA SI CL			
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
									○ SPT ● DCPT									
									10 20 30 40									
	</																	

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on:

Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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BOREHOLE LOGS (Previously Drilled in 2024)

RECORD OF BOREHOLE No. 19



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **TA** Northing: **4849540** Date Started: **Apr 29/24**
 Reviewed By: **RW** Easting: **595906** Date Completed: **Apr 29/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)					
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL		
								Penetration Testing										

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. 20

Project Number: **2400278**

Project Client: **Mayfield Tullamore Landowner Group Inc.**

Project Name: Mayfield Tullamore LOG

Project Location: Caledon, ON

Drilling Location: **See Borehole Location Plan**

Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**

Logged By: AG Northing: 4849858 Date Started: May 03/24

Reviewed By: **RW** Easting: **596166** Date Completed: **May 03/24**

Local Benchmark: _____

[illegible]

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	Groundwater depth encountered on completion of drilling: Dry		Cave depth after auger removal: Open
	Groundwater depth observed on: May 22/24 at depth of: 1.2 m.		Groundwater Elevation: 267.4 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. 21



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **TA** Northing: **4849563** Date Started: **Apr 29/24**
 Reviewed By: **RW** Easting: **596137** Date Completed: **Apr 29/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL			
								Penetration Testing								
	TOPSOIL: 150 mm	SS	1	100	4	0	266	4								
	WEATHERED/DISTURBED: Sandy clayey silt, trace gravel, firm to stiff, dark brown	SS	2	100	7	0.2	266.2	7								
	CLAYEY SILT GLACIAL TILL: Sandy, trace gravel, inferred cobbles and boulders, firm to stiff, brown, moist	SS	3	100	11	0.6	265.6	11								
	SAND: Trace to some silt, loose, brown orange, moist/	SS	4	100	7	2.3	264.1	7								
	--- Wet ---	SS	5	100	6			6								
		SS	6	100	6			6								
	--- Compact ---	SS	7	100	11	6.6	259.8	11								
	Borehole Terminated at 6.6 m															

First Water Strike SS5

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Groundwater depth encountered on completion of drilling: 5.8 m. Cave depth after auger removal: 4.6 m.
 Groundwater depth observed on: May 22/24 at depth of: 4.6 m. Groundwater Elevation: 261.8 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. 22

Project Number: 2400278

Project Client: **Mayfield Tullamore Landowner Group Inc.**

Project Name: **Mayfield Tullamore LOG**

Project Location: **Caledon, ON**

Drilling Location: **See Borehole Location Plan**

Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**

Logged By: AG Northing: 4849857 Date Started: May 08/24

Reviewed By: **RW** Easting: **596375** Date Completed: **May 08/24**

Local Benchmark: _____

[illegible]

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	Groundwater depth encountered on completion of drilling: Dry		Cave depth after auger removal: Open
	Groundwater depth observed on:		Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale 1 : 100

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RECORD OF BOREHOLE No. 23



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Hollow Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849291** Date Started: **May 02/24**
 Reviewed By: **RW** Easting: **596198** Date Completed: **May 02/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)					
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL		
								Penetration Testing										
0.0	TOPSOIL: 150 mm	SS	1	100	6	0	268.1	6										
0.2	WEATHERED/DISTURBED: Firm, brown, moist	SS	2	100	23			23			14							
0.8	CLAYEY SILT GLACIAL TILL: Some sand to sandy, trace gravel, inferred cobbles and boulders, very stiff to hard, brown, moist	SS	3	100	50						18							
2.3	SAND: Trace to some silt, trace gravel, very dense to dense, brown, moist	SS	4	100	77													
		SS	5	100	79													
		SS	6	100	64													
		SS	7	100	44													
7.6	LAYERED SAND AND SILT: Trace clay, dense, brown, moist	SS	8	100	34													
9.1	SAND AND GRAVEL: Some silt, trace clay, very dense, brown, moist	SS	9	100	50+													
		SS	10	100	90													
	--- Dense, wet ---	SS	11	100	31													
12.6	Borehole Terminated at 12.6 m																	

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Groundwater depth encountered on completion of drilling: 11.6 m. Cave depth after auger removal: 11.9 m.
 Groundwater depth observed on: May 22/24 at depth of: 11.3 m. Groundwater Elevation: 256.8 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

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RECORD OF BOREHOLE No. 24D



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **TA** Northing: **4849398** Date Started: **Apr 29/24**
 Reviewed By: **RW** Easting: **596260** Date Completed: **Apr 29/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL	
								Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	△ Combustible Organic Vapour (ppm) ▲ Combustible Organic Vapour (%LEL) ◇ Total Organic Vapour (ppm)								
								40 80 120 160	100 200 300 400								
								Penetration Testing									
								○ SPT ● DCPT									

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: May 22/24 at depth of: 2.5 m. Groundwater Elevation: 261.3 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 24S



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **TA** Northing: **4849397** Date Started: **Apr 29/24**
 Reviewed By: **RW** Easting: **596262** Date Completed: **Apr 29/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
						×	Other Test	△	Combustible Organic Vapour (ppm)									
						+	Pocket Penetrometer	▲	Combustible Organic Vapour (%LEL)									
						▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)									
						△	Field Vane (Remolded)											
							Penetration Testing											
							○ SPT	● DCPT										
														</				

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: May 22/24 at depth of: 1.0 m. Groundwater Elevation: 262.8 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

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RECORD OF BOREHOLE No. 25



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849604** Date Started: **May 07/24**
 Reviewed By: **RW** Easting: **596422** Date Completed: **May 07/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING	LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa) × Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded) 40 80 120 160 Penetration Testing ○ SPT ● DCPT 10 20 30 40	Atterberg Limits PL Water Content (%) LL 10 20 30 40					GR	SA	SI	CL
	0.0 265.1 0.2 264.9 0.8 264.4 CLAYEY SILT GLACIAL TILL: Some sand to sandy, trace gravel, inferred cobbles and boulders, very stiff to hard, brown, moist	SS	1	100	3	0	264	3	15	20							
	WEATHERED/DISTURBED: Soft, brown, moist	SS	2	100	17			17	10	12							
		SS	3	100	56			56	10	13							
		SS	4	100	45			45	8								
		SS	5	100	89			89	12								
	--- Grey ---	SS	6	100	82			82	12								
	6.1 259.0 6.6 258.6 SILTY SAND LAYERED WITH SILT: Trace clay, very dense, grey, moist Borehole Terminated at 6.6 m	SS	7	100	86	6	260	86	12								

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 26



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849832** Date Started: **May 07/24**
 Reviewed By: **RW** Easting: **596606** Date Completed: **May 07/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL			
								Penetration Testing		Water Content (%)						
	TOPSOIL: 140 mm	SS	1	100	8	0	260.8	8		10						
	WEATHERED/DISTURBED: Stiff, brown, moist	SS	2	100	19	0.1	260.6	19		18						
	CLAYEY SILT GLACIAL TILL: Some sand to sandy, trace gravel, inferred cobbles and boulders, very stiff to hard, brown, moist	SS	3	100	56			56		11						
	---Grey---	SS	4	100	43			43		8						
		SS	5	100	46			46		9						
	SAND LAYERED WITH SILT: Dense, grey, wet	SS	6	100	37	4.6	256.2	37		19						
	SAND AND SILT: Compact, grey, wet	SS	7	100	26	6.1	254.7	26		19						
	Borehole Terminated at 6.6 m					6.6	254.2									

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Groundwater depth encountered on completion of drilling: 3.0 m. Cave depth after auger removal: 4.9 m.
 Groundwater depth observed on: May 22/24 at depth of: 1.4 m. Groundwater Elevation: 259.4 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

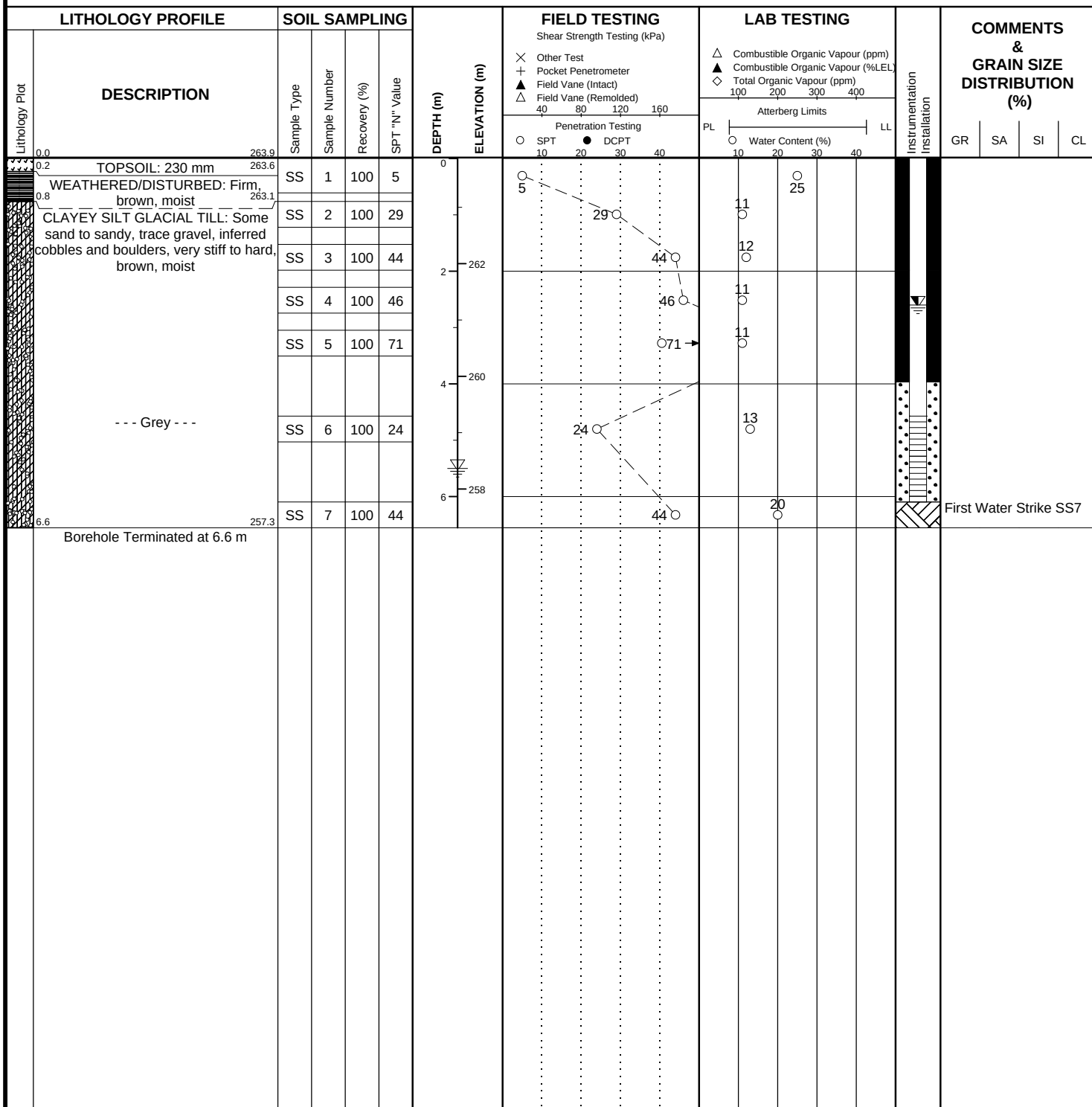
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RECORD OF BOREHOLE No. 28



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

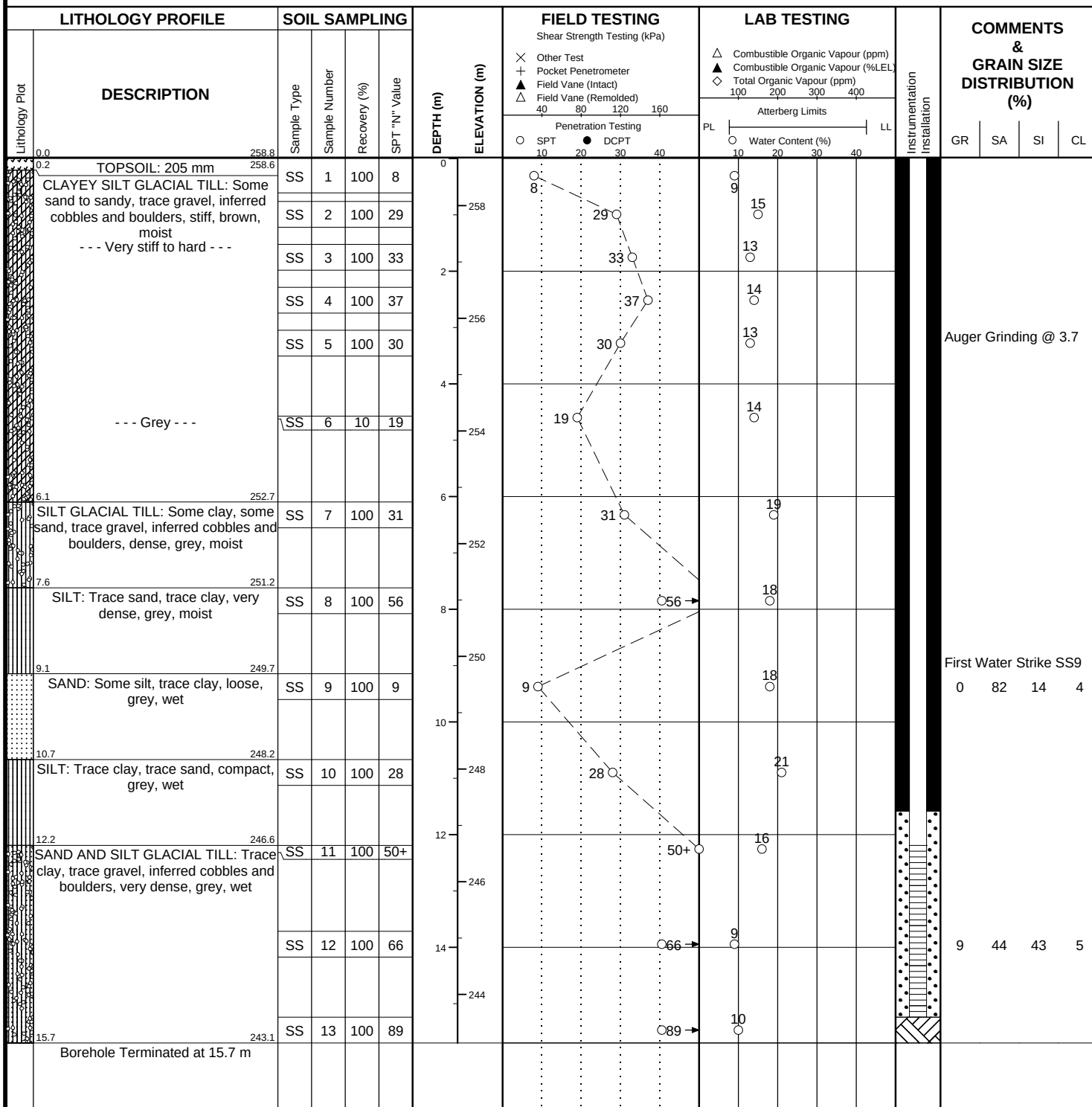
Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849278** Date Started: **May 02/24**
 Reviewed By: **RW** Easting: **596571** Date Completed: **May 02/24**



RECORD OF BOREHOLE No. 29

Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849443** Date Started: **May 03/24**
 Reviewed By: **RW** Easting: **596859** Date Completed: **May 03/24**



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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: May 22/24 at depth of: ART
 Cave depth after auger removal: Open
 Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 32



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849120** Date Started: **May 02/24**
 Reviewed By: **RW** Easting: **596736** Date Completed: **May 02/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL			
						Other Test	Pocket Penetrometer	Field Vane (Intact)	Field Vane (Remolded)	PL	LL					
								Penetration Testing		Water Content (%)						
								○ SPT	● DCPT							
								10	20	30	40	10	20	30	40	

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: _____
 Cave depth after auger removal: Open
 Groundwater Elevation: _____

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale 1 :100

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RECORD OF BOREHOLE No. 35

Project Number: **2400278**

Project Client: **Mayfield Tullamore Landowner Group Inc.**

Project Name: Mayfield Tullamore LOG

Project Location: **Caledon, ON**

Drilling Location: **See Borehole Location Plan**

Local Benchmark: _____

Drilling Method: Solid Stem Augers Drilling Machine: Track Mount

Logged By: AG Northing: 4848939 Date Started: May 02/24

Reviewed By: **RW** Easting: **596937** Date Completed: **May 02/24**

LITHOLOGY PROFILE				SOIL SAMPLING				DEPTH (m) ELEVATION (m)		FIELD TESTING		LAB TESTING		COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION			Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					
								Penetration Testing		Water Content (%)							
								○ SPT ● DCPT		○ PL ○ LL							

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	Groundwater depth encountered on completion of drilling: Dry		Cave depth after auger removal: Open
	Groundwater depth observed on: May 22/24 at depth of: 2.8 m.		Groundwater Elevation: 257.2 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale1 :100

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RECORD OF BOREHOLE No. 36



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849146** Date Started: **May 07/24**
 Reviewed By: **RW** Easting: **597096** Date Completed: **May 07/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL
								× Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	△ Combustible Organic Vapour (ppm) ▲ Combustible Organic Vapour (%LEL) ◇ Total Organic Vapour (ppm)							
	0.0 254.9					0	254.9	○ SPT ● DCPT	PL ○ Water Content (%) LL							
	0.3 254.6	SS	1	100	4											
	0.8 254.1	SS	2	66	15											
		SS	3	100	19											
		SS	4	100	37											
		SS	5	100	28											
		SS	6	100	34											
	6.6 248.3	SS	7	100	35											
	Borehole Terminated at 6.6 m															

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Groundwater depth encountered on completion of drilling: 3.0 m. Cave depth after auger removal: Open
 Groundwater depth observed on: _____ Groundwater Elevation: _____

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

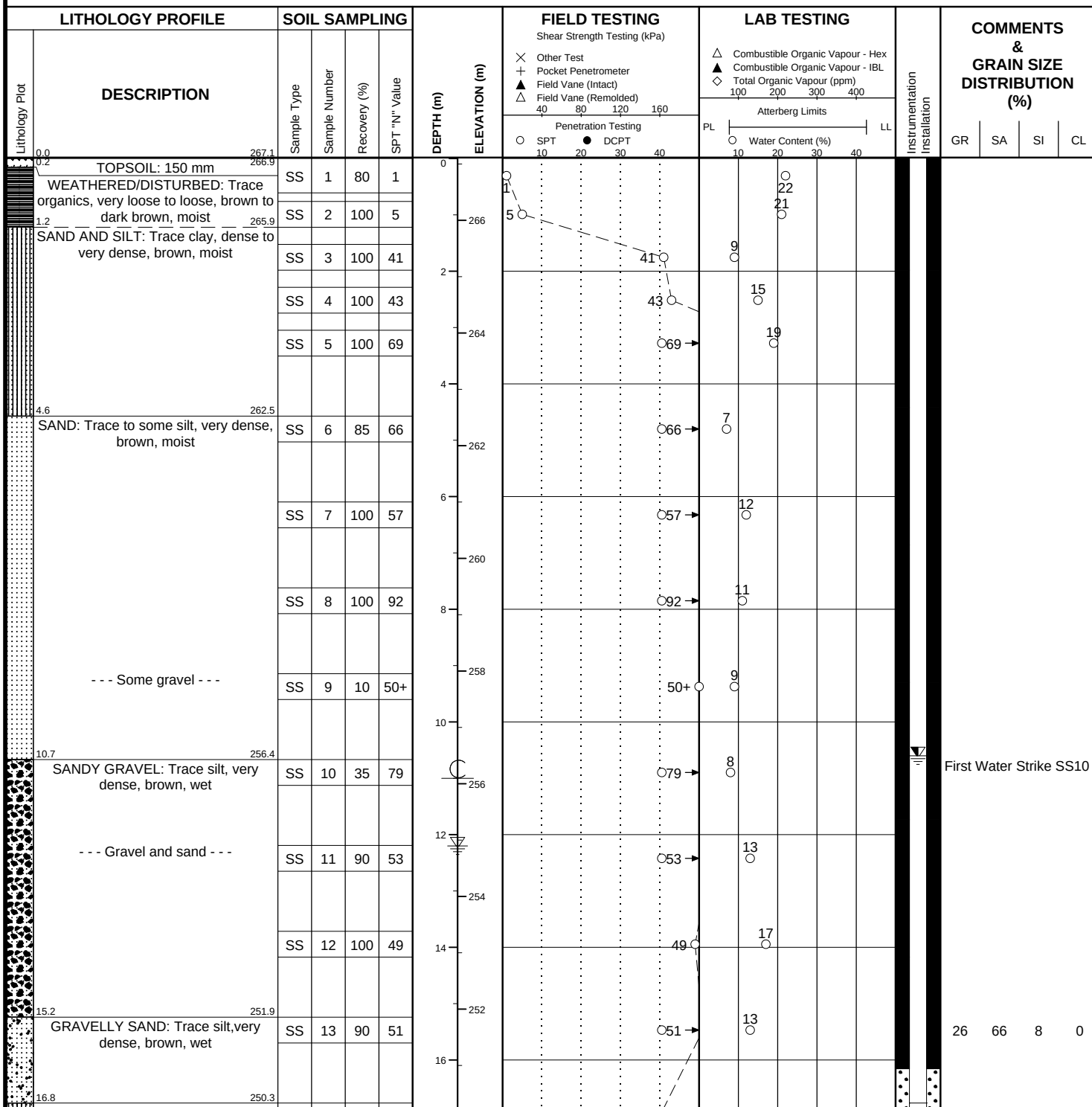
Page: 1 of 1

RECORD OF BOREHOLE No. 101



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Hollow Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849202** Date Started: **Apr 30/24**
 Reviewed By: **RW** Easting: **596234** Date Completed: **Apr 30/24**



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Groundwater depth encountered on completion of drilling: 12.2 m. Cave depth after auger removal: 11.0m.
 Groundwater depth observed on: May 22/24 at depth of: 10.6 m. Groundwater Elevation: 256.5 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

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RECORD OF BOREHOLE No. 101



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Hollow Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849202** Date Started: **Apr 30/24**
 Reviewed By: **RW** Easting: **596234** Date Completed: **Apr 30/24**

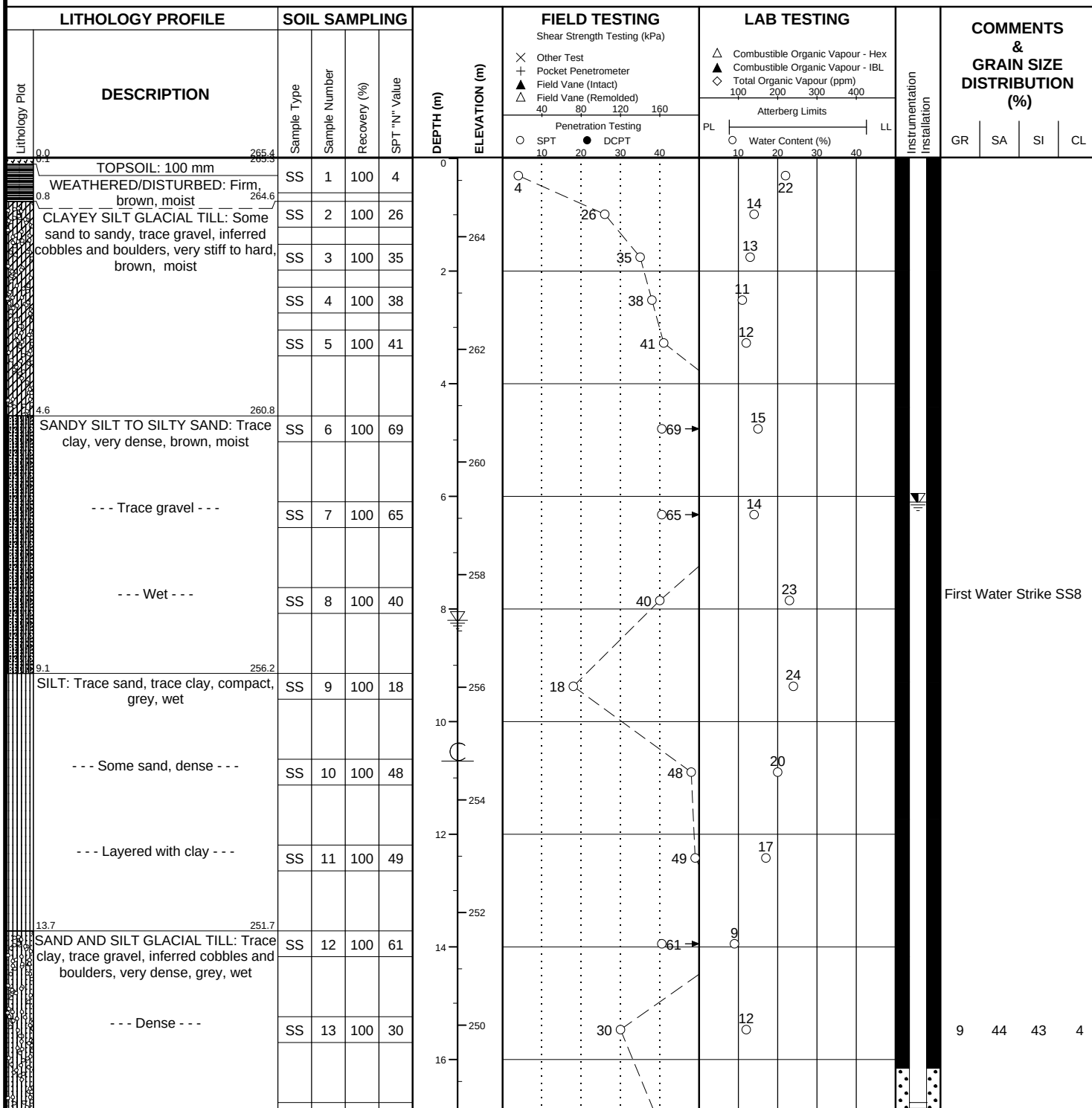
LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits		Water Content (%)			GR	SA	SI	CL
								×	+	△	△	△	△					
								Other Test Pocket Penetrometer Field Vane (Intact) Field Vane (Remolded)	Combustible Organic Vapour - Hex Combustible Organic Vapour - IBL Total Organic Vapour (ppm)									
								Penetration Testing										
								○ SPT ● DCPT										
								10 20 30 40	100 200 300 400									

RECORD OF BOREHOLE No. 102



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849282** Date Started: **May 01/24**
 Reviewed By: **RW** Easting: **596343** Date Completed: **May 01/24**



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Groundwater depth encountered on completion of drilling: 8.2 m. Cave depth after auger removal: 10.7m.
 Groundwater depth observed on: May 22/24 at depth of: 6.1 m. Groundwater Elevation: 259.3 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 102



Project Number: **2400278**
 Project Client: **Mayfield Tullamore Landowner Group Inc.**
 Project Name: **Mayfield Tullamore LOG**
 Project Location: **Caledon, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **AG** Northing: **4849282** Date Started: **May 01/24**
 Reviewed By: **RW** Easting: **596343** Date Completed: **May 01/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)	Atterberg Limits	GR	SA		SI	CL			
	SILT AND SAND Con't	SS	14	100	39	18.3	247.1	39	15								
	SILT: Trace clay, trace sand, very dense, grey, wet	SS	15	100	72			72	19					0	2	93	5
	--- Some sand, compact ---																
	20.3	245.1	SS	16	100	21	21	19									
Borehole Terminated at 20.3 m																	

RECORD OF BOREHOLE No. 201



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849452** Date Started: **Nov 25/24**
 Reviewed By: **FH** Easting: **595928** Date Completed: **Nov 25/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL	
						Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	Penetration Testing ○ SPT ● DCPT	△ Combustible Organic Vapour - Hex ▲ Combustible Organic Vapour - IBL ◇ Total Organic Vapour (ppm)	Water Content (%)								
	TOPSOIL: 50 mm	SS	1	50	10	0	272.6	○10		○12							
	WEATHERED/DISTURBED: Some organics, stiff, dark brown, moist	SS	2	90	14	0.8	271.9	○14		○15							
	CLAYEY SILT GLACIAL TILL: Sandy, trace gravel, inferred cobbles and boulders, stiff, brown, moist	SS	3	100	19			○19		○18							
		SS	4	100	51	2	270.3	○51		○18							
		SS	5	100	100+			○100+		○15							
						4											
		SS	6	100	68		268	○68									
						6											
		SS	7	100	94		266.1	○94		○12							
	Borehole Terminated at 6.6 m																

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: 5.9 m.
 Groundwater depth observed on: Mar 06/25 at depth of: 5.7 m. Groundwater Elevation: 266.9 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100
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RECORD OF BOREHOLE No. 202



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849282** Date Started: **Nov 25/24**
 Reviewed By: **FH** Easting: **596064** Date Completed: **Nov 25/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
									40 80 120 160									
									Penetration Testing									
									○ SPT ● DCPT									
									10 20 30 40									
											PL							
											○ Water Content (%)							
											10 20 30 40							
											LL							

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: Mar 06/25 at depth of: Dry
 Cave depth after auger removal: Open
 Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale 1 : 100

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RECORD OF BOREHOLE No. 203

Project Number: 2407688

Project Client: **TACC Developments**

Project Name: **Mayfield Tullamore TACC Lands**

Project Location: **Brampton, ON**

Drilling Location: **See Borehole Location Plan**

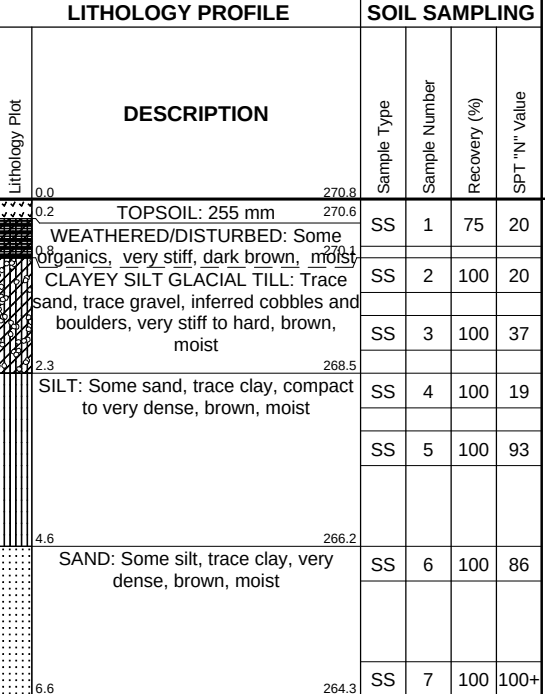
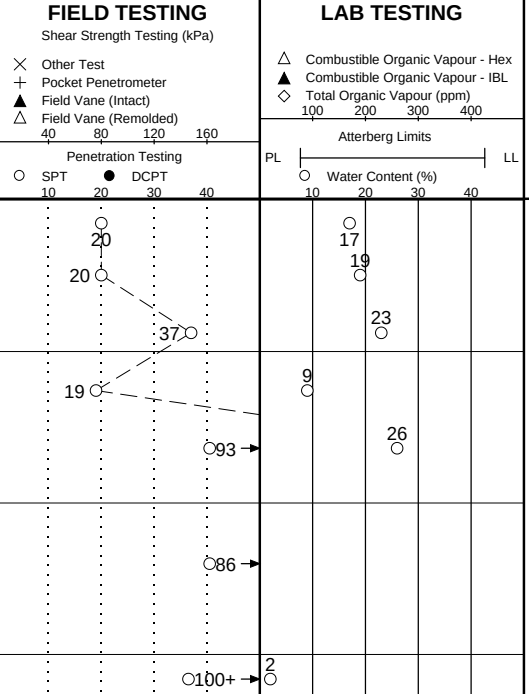
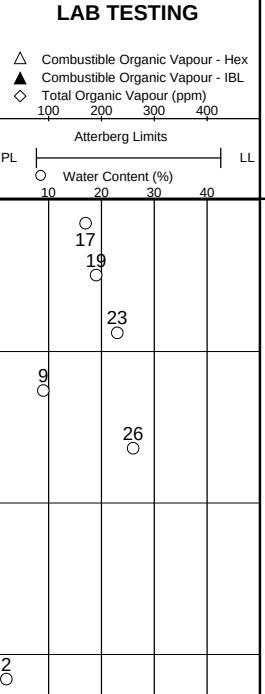
Local Benchmark:

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**

Logged By: **KJT** Northing: **4849481** Date Started: **Nov 26/24**

Reviewed By: **FH** Easting: **596068** Date Completed: **Nov 26/24**



LITHOLOGY PROFILE				SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION			Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL
	0.0	TOPSOIL: 255 mm			SS	1	75	20	0	270.8				0	78	19	3	
	0.2	WEATHERED/DISTURBED: Some organics, very stiff, dark brown, moist			SS	2	100	20	270									
	0.8	CLAYEY SILT GLACIAL TILL: Trace sand, trace gravel, inferred cobbles and boulders, very stiff to hard, brown, moist			SS	3	100	37	2									
	2.3	SILT: Some sand, trace clay, compact to very dense, brown, moist			SS	4	100	19	268									
	2.3				SS	5	100	93	4									
	4.6	SAND: Some silt, trace clay, very dense, brown, moist			SS	6	100	86	266									
	6.6	Borehole Terminated at 6.6 m			SS	7	100	100+	6	264.3								

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	Groundwater depth encountered on completion of drilling: Dry		Cave depth after auger removal: Open
	Groundwater depth observed on:		Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

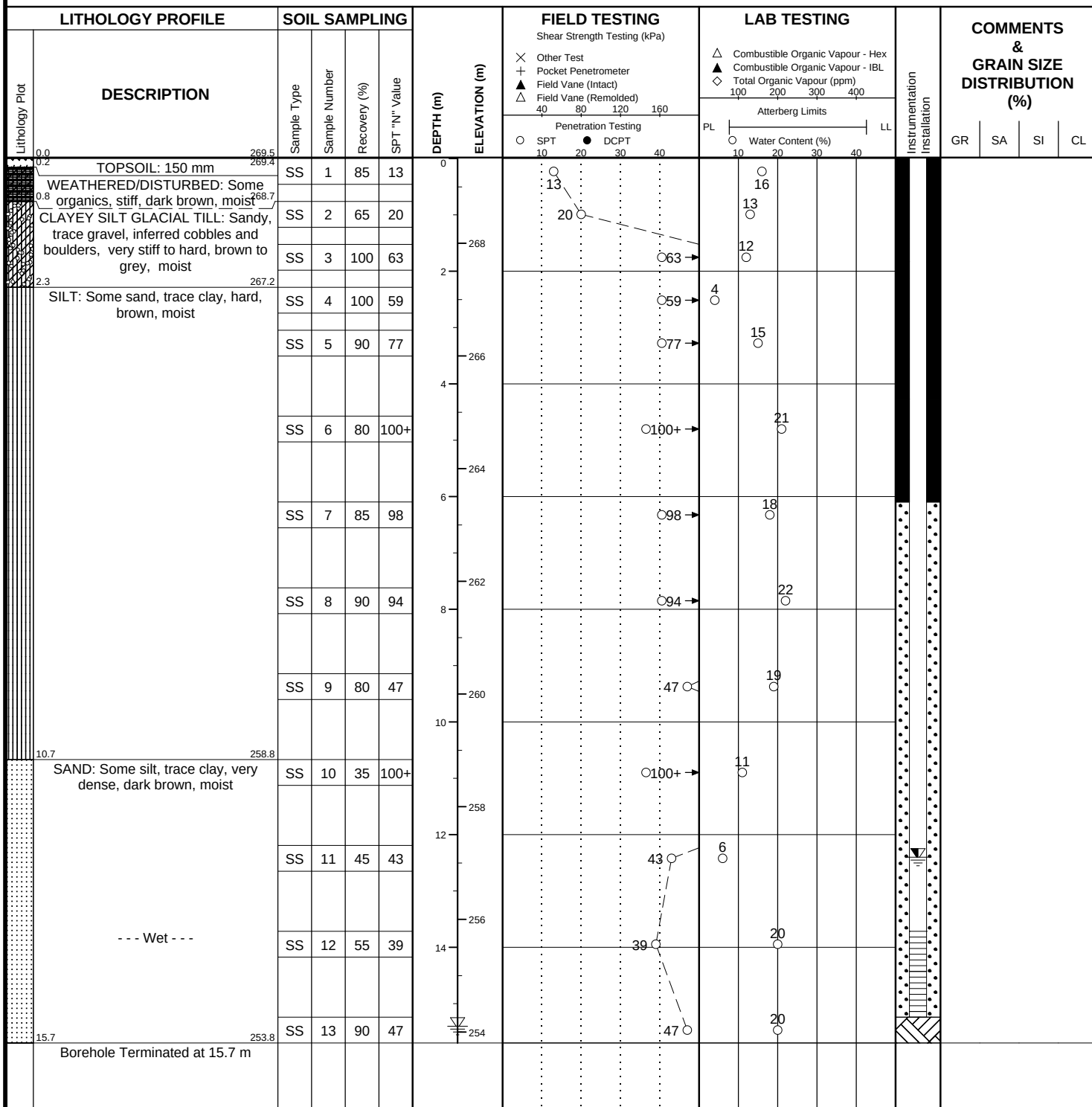
Scale 1 : 100

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RECORD OF BOREHOLE No. 204-D

Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849411** Date Started: **Dec 02/24**
 Reviewed By: **FH** Easting: **596180** Date Completed: **Dec 02/24**



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Groundwater depth encountered on completion of drilling: 15.4 m. Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: 12.4 m. Groundwater Elevation: 257.1 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 204-S



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849411** Date Started: **Dec 02/24**
 Reviewed By: **FH** Easting: **596179** Date Completed: **Dec 02/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
DESCRIPTION		Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL	
Lithology Plot	0.0	TOPSOIL: 150 mm	SS	1	85	13	0	269.5	○13		○16						
	0.2	WEATHERED/DISTURBED: Some organics, stiff, dark brown, moist	SS	2	65	20		269.4	○20		○13						
	0.8	CLAYEY SILT GLACIAL TILL: Sandy, trace gravel, inferred cobbles and boulders, very stiff to hard, brown to grey, moist	SS	3	100	63		268.8		○63	○12						
	2.3	SILT: Some sand, trace clay, hard, brown, moist	SS	4	100	59		267.2		○59	○4						
			SS	5	90	77				○77	○15						
			SS	6	80	100+				○100+	○21						
			SS	7	85	98				○98	○18						
Borehole Terminated at 6.6 m																	

RECORD OF BOREHOLE No. 205



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849730** Date Started: **Nov 26/24**
 Reviewed By: **FH** Easting: **596068** Date Completed: **Nov 26/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL
								×	Other Test	△	Combustible Organic Vapour - Hex					
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL					
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)					
								△	Field Vane (Remolded)		100 200 300 400					
									Penetration Testing							
								○	SPT	●	DCPT					
												PL				

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: 3.8 m. Groundwater Elevation: 266.4 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100
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RECORD OF BOREHOLE No. 206



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849556** Date Started: **Nov 26/24**
 Reviewed By: **FH** Easting: **596241** Date Completed: **Nov 26/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR SA SI CL			
								Penetration Testing		Water Content (%)						
	TOPSOIL: 180 mm	SS	1	85	17	0	269.1	○ 17		○ 21						
	WEATHERED/DISTURBED CLAYEY SILT: Some organics, very stiff, dark brown, moist	SS	2	100	25	0.2	269.0	○ 25		○ 12						
	CLAYEY SILT GLACIAL TILL: Trace sand, trace gravel, inferred cobbles and boulders, very stiff to hard, brown, moist	SS	3	100	23	0.4	268.4	○ 23		○ 12						
		SS	4	100	63	2		○ 63		○ 9						
		SS	5	100	69	2	266	○ 69		○ 10						
						4										
	SILT: Some sand, trace clay, hard, brown, moist	SS	6	100	100+	4.6	264.6	○ 100+		○ 13						
						6	264									
		SS	7	100	100+	6.6	262.6	○ 100+		○ 16						
	Borehole Terminated at 6.6 m															

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: Mar 06/25 at depth of: Dry
 Cave depth after auger removal: Open
 Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

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RECORD OF BOREHOLE No. 207



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849451** Date Started: **Nov 26/24**
 Reviewed By: **FH** Easting: **596358** Date Completed: **Nov 26/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								Penetration Testing		Water Content (%)								
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
												PL						
								○	SPT	●	DCPT							

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: _____
 Cave depth after auger removal: Open
 Groundwater Elevation: _____

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 208-D



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849129** Date Started: **Nov 27/24**
 Reviewed By: **GW** Easting: **596938** Date Completed: **Nov 27/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL	
								✕ Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	△ Combustible Organic Vapour - Hex ▲ Combustible Organic Vapour - IBL ◇ Total Organic Vapour (ppm)								
0.0	258.7							40 80 120 160	100 200 300 400								
0.3	258.5	SS	1	100		0		Penetration Testing		PL							
0.8	258.0	SS	2	100				○ SPT ● DCPT		○							
		SS	3	100		2											
		SS	4	100													
		SS	5	100													
						4											
		SS	6	100													
						6											
		SS	7	85													
		SS	8	85		8											
9.1	249.6																
9.6	249.1	SS	9	100													
			</														

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: -0.7 m. Groundwater Elevation: 259.4 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 208-S



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849129** Date Started: **Nov 27/24**
 Reviewed By: **GW** Easting: **596938** Date Completed: **Nov 27/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)					
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL		
								✕ Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	△ Combustible Organic Vapour - Hex ▲ Combustible Organic Vapour - IBL ◇ Total Organic Vapour (ppm)									
0.0	258.7					0		40 80 120 160		PL								
0.3	258.5	SS	1	100				Penetration Testing		Water Content (%)								
0.8	258.0	SS	2	100				○ SPT ● DCPT										
		SS	3	100														
		SS	4	100														
		SS	5	100														
5.0	253.7	SS	6	100														
Borehole Terminated at 5.0 m																		

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: 0.7 m. Groundwater Elevation: 258.0 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: **1 :100**

Page: **1 of 1**

RECORD OF BOREHOLE No. 209-D



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849293** Date Started: **Nov 27/24**
 Reviewed By: **GW** Easting: **596893** Date Completed: **Nov 27/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								Penetration Testing		Water Content (%)								
								○ SPT	● DCPT	△ Combustible Organic Vapour - Hex	PL			LL				
								40 80 120 160		100 200 300 400								

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Groundwater depth encountered on completion of drilling: 9.0 m. Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: -0.4 m. Groundwater Elevation: 259.1 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

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RECORD OF BOREHOLE No. 209-S



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849291** Date Started: **Nov 27/24**
 Reviewed By: **GW** Easting: **596894** Date Completed: **Nov 27/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)					
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)	Atterberg Limits	GR	SA		SI	CL				
	TOPSOIL: 75 mm	SS	1	100	26	0	258	26	10	10								
	WEATHERED/DISTURBED: Clayey silt, trace sand, some organics, very stiff, dark brown, moist	SS	2	100	49			49	10									
	CLAYEY SILT GLACIAL TILL: Sandy, trace gravel, inferred cobbles and boulders, hard, brown, moist	SS	3	100	32			32	12									
		SS	4	100	31			31	12									
		SS	5	100	44			44	13									
		SS	6	100	18			18	14									
		SS	7	85	30			30	11									
	---	SS	6	100	18			18	14									
---	SS	7	85	30			30	11										
Borehole Terminated at 6.6 m																		

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Groundwater depth encountered on completion of drilling: Dry
 Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: 0.4 m. Groundwater Elevation: 258.2 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

Page: 1 of 1

RECORD OF BOREHOLE No. 210



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849431** Date Started: **Nov 27/24**
 Reviewed By: **GW** Easting: **596661** Date Completed: **Nov 27/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								Penetration Testing		Water Content (%)								
								×	Other Test	△	Combustible Organic Vapour - Hex							
								+	Pocket Penetrometer	▲	Combustible Organic Vapour - IBL							
								▲	Field Vane (Intact)	◇	Total Organic Vapour (ppm)							
								△	Field Vane (Remolded)		100 200 300 400							
												PL						
								○	SPT	●	DCPT							

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: _____
 Cave depth after auger removal: Open
 Groundwater Elevation: _____

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

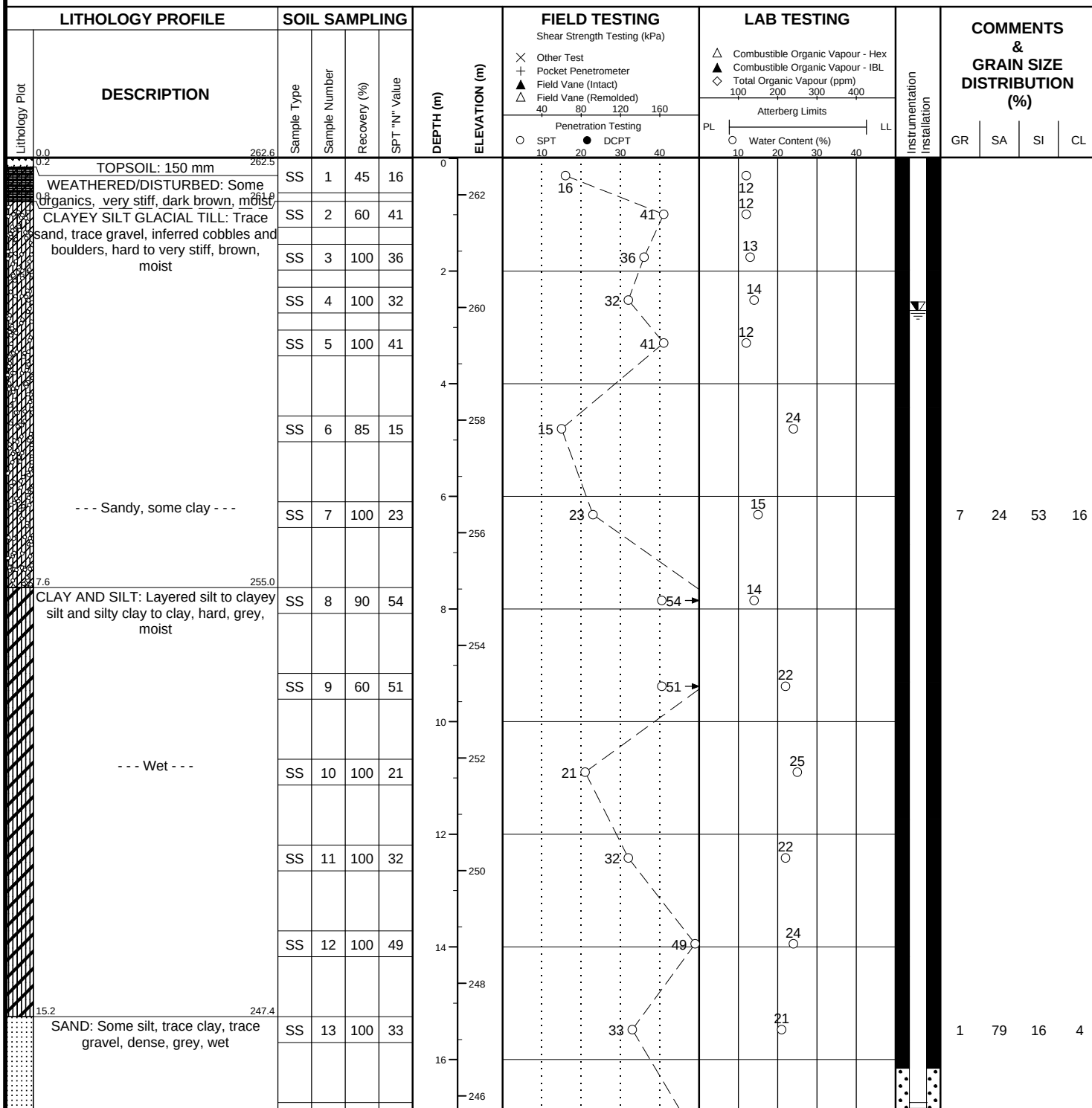
Scale: 1:100

Page: 1 of 1

RECORD OF BOREHOLE No. 211-D

Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849590** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596605** Date Completed: **Dec 02/24**



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Groundwater depth encountered on completion of drilling: 18.2 m. Cave depth after auger removal: 18.4m.
 Groundwater depth observed on: Mar 06/25 at depth of: 2.7 m. Groundwater Elevation: 259.9 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

Page: 1 of 2

RECORD OF BOREHOLE No. 211-D



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849590** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596605** Date Completed: **Dec 02/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								Other Test	Penetration Testing	PL	LL	Water Content (%)						

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Groundwater depth encountered on completion of drilling: 18.2 m.
 Cave depth after auger removal: 18.4m.
 Groundwater depth observed on: Mar 06/25 at depth of: 2.7 m.
 Groundwater Elevation: 259.95 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: **1 :100**
 Page: **2 of 2**

RECORD OF BOREHOLE No. 211-S



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849589** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596606** Date Completed: **Dec 02/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)			
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL
								Penetration Testing		Water Content (%)								
								○ SPT	● DCPT	PL		LL						
								10 20 30 40	10 20 30 40									

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Groundwater depth encountered on completion of drilling: Dry Cave depth after auger removal: Open
 Groundwater depth observed on: Mar 06/25 at depth of: 2.3 m. Groundwater Elevation: 260.3 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

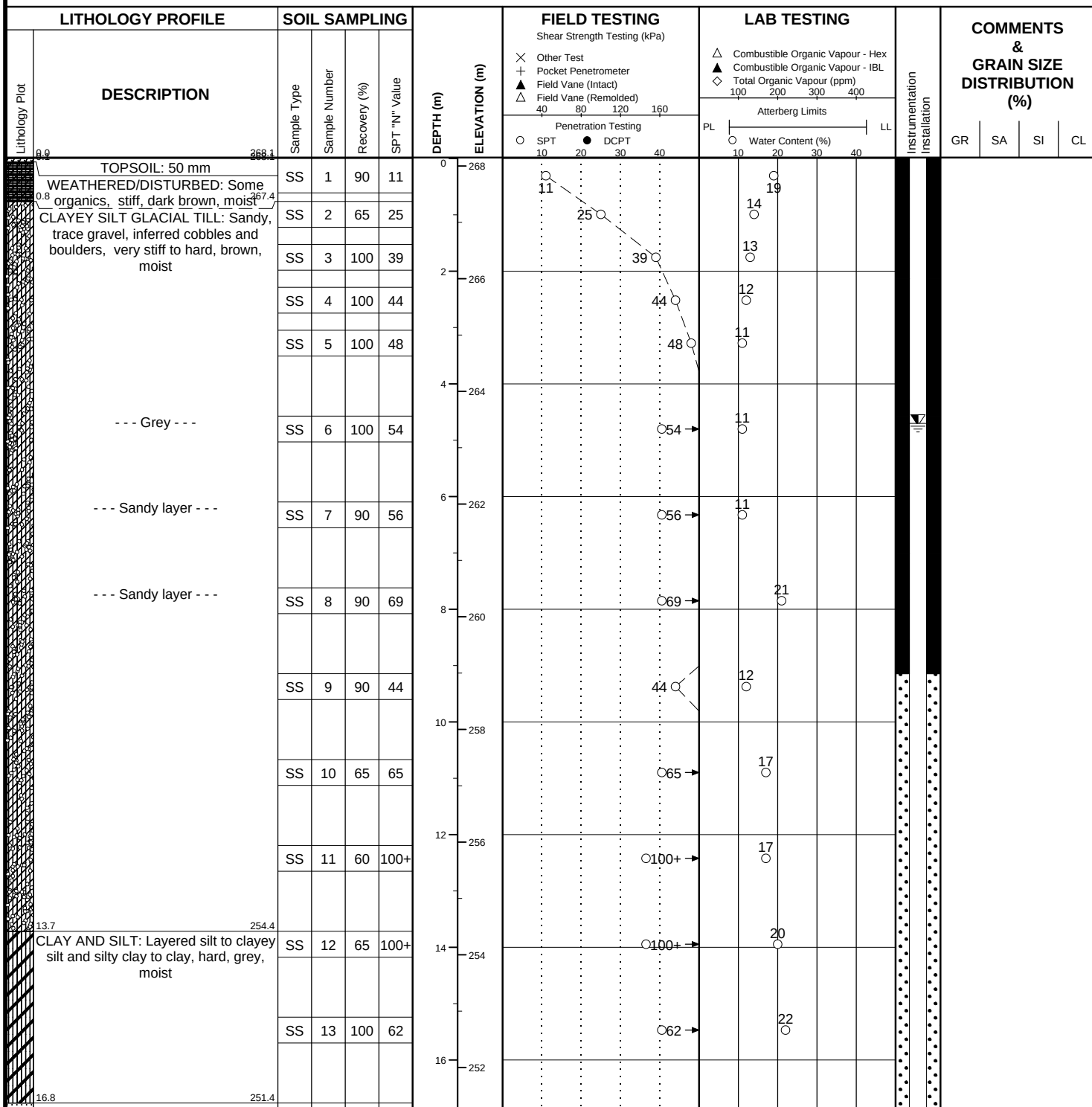
Scale: 1:100

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RECORD OF BOREHOLE No. 212-D

Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849738** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596253** Date Completed: **Dec 02/24**



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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: Mar 06/25 at depth of: 4.7 m.
 Cave depth after auger removal: Open
 Groundwater Elevation: 263.4 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

Page: 1 of 2

RECORD OF BOREHOLE No. 212-D



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849738** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596253** Date Completed: **Dec 02/24**

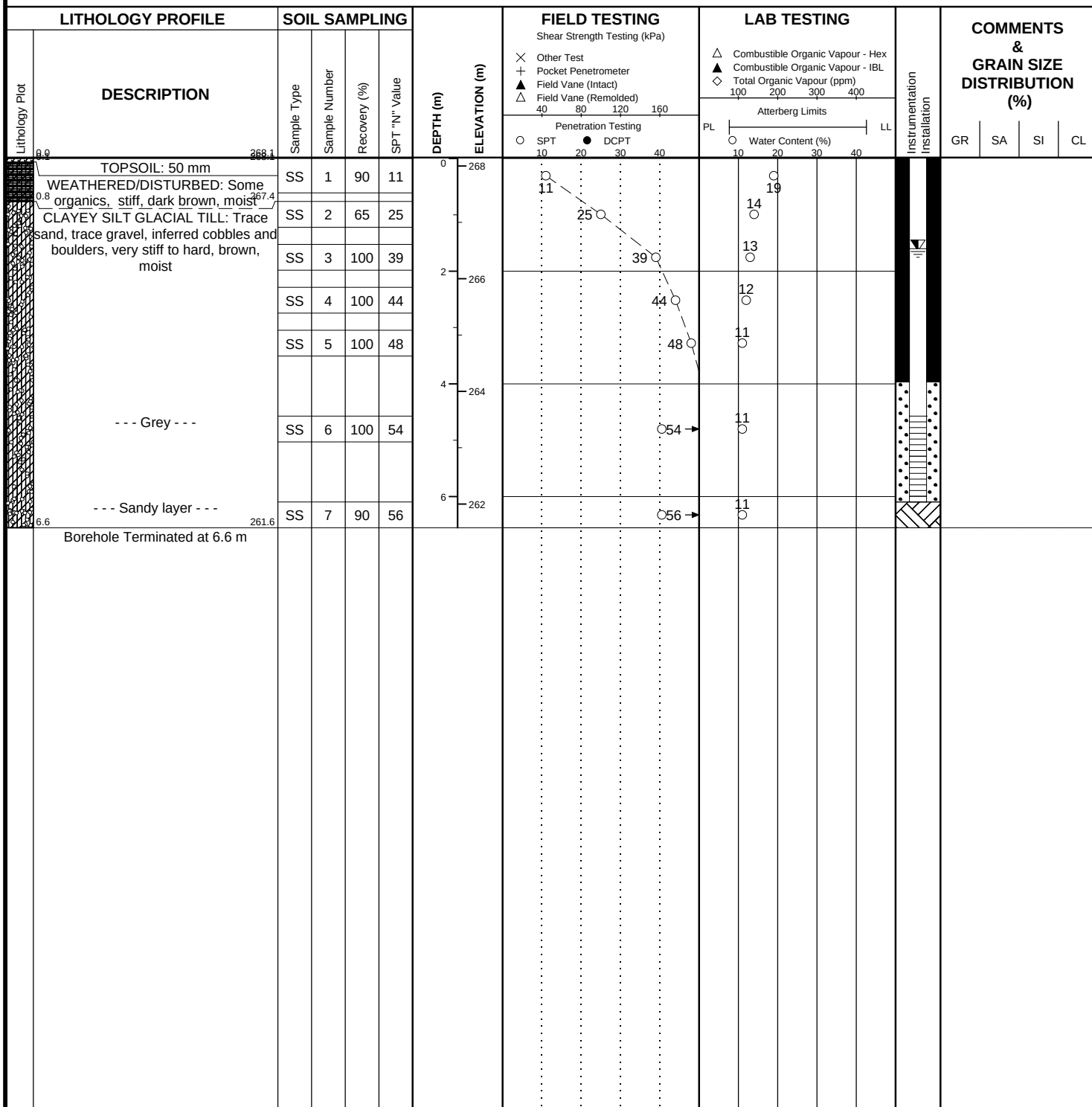
LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL	
								× Other Test + Pocket Penetrometer ▲ Field Vane (Intact) △ Field Vane (Remolded)	△ Combustible Organic Vapour - Hex ▲ Combustible Organic Vapour - IBL ◇ Total Organic Vapour (ppm)								
								40 80 120 160	100 200 300 400								
								Penetration Testing		PL							
								○ SPT ● DCPT		○ Water Content (%)							
								10 20 30 40		10 20 30 40							

RECORD OF BOREHOLE No. 212-S



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849738** Date Started: **Dec 02/24**
 Reviewed By: **GW** Easting: **596253** Date Completed: **Dec 02/24**



RECORD OF BOREHOLE No. 213



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **TA** Northing: **4849976** Date Started: **Dec 04/24**
 Reviewed By: **GW** Easting: **596246** Date Completed: **Dec 04/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING		Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)					
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits			GR	SA	SI	CL		
	TOPSOIL: 50 mm	SS	1	50	9	0	265.2	9										
	WEATHERED/DISTURBED: Trace organics, stiff, dark brown, moist	SS	2	90	34		264.5	34										
	CLAYEY SILT GLACIAL TILL: Sandy, trace gravel, inferred cobbles and boulders, hard, brown, moist																	
		SS	3	100	45													
		SS	4	100	49													
	SILT GLACIAL TILL: Some sand, trace clay, inferred cobbles and boulders, dense, light brown to brown, moist	SS	5	100	43		262.2	43										
--- Grey ---																		
		SS	6	100	47		260	47										
	--- Trace sand ---	SS	7	100	39		258.7	39										
Borehole Terminated at 6.6 m																		

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Groundwater depth encountered on completion of drilling: Dry
 Cave depth after auger removal: Open
 Groundwater depth observed on: Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1 : 100

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RECORD OF BOREHOLE No. 214

Project Number: **2407688**

Project Client: **TACC Developments**

Project Name: Mayfield Tullamore TACC Lands

Project Location: Brampton, ON

Drilling Location: See Borehole Location Plan

Local Benchmark: _____

Drilling Method: Solid Stem Augers Drilling Machine: Track Mount

Logged By: KJT Northing: 4849950 Date Started: Nov 28/24

Reviewed By: GW Easting: 596450 Date Completed: Nov 28/24

Local Benchmark: _____

[illegible]

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	Groundwater depth encountered on completion of drilling: Dry		Cave depth after auger removal: Open
	Groundwater depth observed on:		Groundwater Elevation:

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale 1 : 100

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RECORD OF BOREHOLE No. 215



Project Number: **2407688**
 Project Client: **TACC Developments**
 Project Name: **Mayfield Tullamore TACC Lands**
 Project Location: **Brampton, ON**
 Drilling Location: **See Borehole Location Plan**
 Local Benchmark: _____

Drilling Method: **Solid Stem Augers** Drilling Machine: **Track Mount**
 Logged By: **KJT** Northing: **4849937** Date Started: **Nov 28/24**
 Reviewed By: **GW** Easting: **596763** Date Completed: **Nov 28/24**

LITHOLOGY PROFILE		SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING		LAB TESTING				Instrumentation Installation	COMMENTS & GRAIN SIZE DISTRIBUTION (%)				
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT "N" Value			Shear Strength Testing (kPa)		Atterberg Limits					GR	SA	SI	CL	
								Penetration Testing		Water Content (%)									
								SPT DCPT		PL LL									
																	</		

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Groundwater depth encountered on completion of drilling: Dry
 Groundwater depth observed on: Mar 06/25 at depth of: 2.4 m.
 Cave depth after auger removal: Open
 Groundwater Elevation: 258.2 m

Borehole details presented do not constitute a thorough understanding of all potential conditions present and require interpretative assistance from a qualified geotechnical engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Boring Log'.

Scale: 1:100

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Appendix D Summary of Analytical Results

TABLE D.1: Soil Analytical Test Results- Metals and Inorganics

Parameter	Sample ID	BH1 SS1	BH2 SS1	BH3 SS1	BH4 SS1	BH5 SS1	BH6 SS1	BH7 SS1	BH8 SS1	<i>DUP3</i>	BH9 SS1	BH10 SS1
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
	Sample Depth (in m)	0.0-0.6	0.0-0.7	0.0-0.8	0.1-0.6	0.0-0.6	0.1-0.6	0.0-0.6	0.0-0.6		0.0-0.6	0.1-0.6
	Table 1 RPI/ICC											
Antimony	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	18	4	4	5	4	4	5	4	5	5	5	3
Barium	220	47	71	70	57	65	53	69	72	72	91	65
Beryllium	2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	36	5	6	6	6	6	6	7	9	8	7	18
Boron (Hot Water Soluble)	NA	NT	NT	NT	NT	NT	NT	<0.25	0.26	0.27	0.83	0.28
Cadmium	1.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.9
Chromium	70	20	29	26	20	21	24	24	26	25	21	42
Cobalt	21	7	10	11	9	8	12	10	12	11	8	5
Copper	92	18	26	27	22	18	26	81	35	34	37	23
Cyanide (Free)	0.051	NT	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	0.57	NT	NT	NT	NT	NT	NT	0.2	0.24	0.23	0.2	NT
Hexavalent Chromium	0.66	NT	NT	NT	NT	NT	NT	<0.20	<0.20	<0.20	<0.20	<0.20
Lead	120	8	11	11	11	13	10	12	12	14	60	20
Mercury	0.27	NT	NT	NT	NT	NT	NT	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2
Nickel	82	16	23	23	18	17	22	20	25	23	18	14
pH-CaCl2		NT	NT	NT	NT	NT	NT	7.76	7.61	7.43	7.52	6.08
Selenium	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium Absorption Ratio (SAR)	2.4	NT	NT	NT	NT	NT	NT	0.18	0.1	0.1	0.12	NT
Thallium	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium	2.5	<0.5	0.5	0.6	<0.5	0.9	<0.5	0.5	0.5	0.5	<0.5	13
Vanadium	86	26	34	36	28	29	34	31	34	32	26	58
Zinc	290	46	57	56	65	73	58	70	82	95	152	176

NT denotes Not Tested

DUP3 denotes duplicate sample

All concentrations in ug/g

Recorded Concentration Exceeds Table 1- SCS for RPI/ICC Property use

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TABLE D.1: Soil Analytical Test Results- Metals and Inorganics

Parameter	Sample ID	BH10 SS2 (2'-4')	<u>DUP-BH 10-SS2</u>	BH 10(5'-6')	BH10 S (3m)-S1	BH10 E (3m)-S1	BH10 W (3m)-S1	BH11 SS1	BH12 SS2	TP3	<u>DUP1</u>	TP4
	Sample Date	2025-05-08	2025-05-08	2025-05-08	2025-05-08	2025-05-08	2025-05-08	2025-04-03	2025-04-04	2025-04-03	2025-04-03	2025-04-03
	Sample Depth (in m)	0.6-1.2		1.5-1.8	0.1-0.6	0.1-0.6	0.1-0.6	0.1-0.6	0.8-1.4	0.0-0.3		0.0-0.3
	Table 1 RPI/ICC											
Antimony	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	18	5	6	6	6	7	7	5	5	3	4	4
Barium	220	85	84	78	114	83	97	80	45	52	56	68
Beryllium	2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	36	15	7	12	7	7	6	7	6	<5	6	7
Boron (Hot Water Soluble)	NA	NT	NT	NT	NT	NT	NT	<0.25	NT	0.35	0.35	0.29
Cadmium	1.2	1.7	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	70	28	27	25	27	25	26	28	19	19	20	24
Cobalt	21	11	12	11	11	11	12	12	10	7	7	10
Copper	92	33	39	32	36	37	38	29	21	17	19	24
Cyanide (Free)	0.051	NT	NT	NT	NT	NT	NT	<0.005	NT	<0.005	<0.005	<0.005
Electrical Conductivity	0.57	NT	NT	NT	NT	NT	NT	NT	NT	0.18	0.2	0.11
Hexavalent Chromium	0.66	NT	NT	NT	NT	NT	NT	0.29	NT	<0.20	<0.20	<0.20
Lead	120	11	11	11	12	12	12	12	10	12	13	15
Mercury	0.27	NT	NT	NT	NT	NT	NT	<0.1	NT	<0.1	<0.1	<0.1
Molybdenum	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	82	22	28	24	26	26	28	24	18	14	15	19
pH-CaCl2		NT	NT	NT	NT	NT	NT	6.3	NT	6.62	6.7	6.5
Selenium	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium Absorption Ratio (SAR)	2.4	NT	NT	NT	NT	NT	NT	NT	NT	0.25	0.21	0.08
Thallium	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium	2.5	11.8	0.5	1.4	0.7	0.9	0.5	0.6	<0.5	0.6	0.6	0.7
Vanadium	86	50	34	35	35	36	34	35	28	27	29	32
Zinc	290	159	62	70	68	76	70	61	50	61	64	74

NT denotes Not Tested

DUP3 denotes duplicate sample

All concentrations in ug/g

Recorded Concentration Exceeds Table 1- SCS for RPI/ICC Property use

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TABLE D.1: Soil Analytical Test Results- Metals and Inorganics

Parameter	Sample ID	TP5	TP6	TP7	TP8	TP9	TP11	TP10	TP12	TP13	TP14	TP15	TP16
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07
	Sample Depth (in m)	0.0-0.3	0.0-0.3	0.0-0.3	0.0-0.3	0.0-0.3	0.0-0.3	0-0.03	0-0.03	0-0.03	0-0.03	0-0.03	0-0.03
	Table 1 RPI/ICC												
Antimony	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	18	4	4	4	4	3	4	4	4	4	4	4	4
Barium	220	63	68	54	67	77	73	84	75	64	74	72	64
Beryllium	2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	36	6	6	<5	<5	8	7	8	5	5	5	6	6
Boron (Hot Water Soluble)	NA	0.32	<0.25	<0.25	<0.25	0.64	0.3	0.4	0.27	0.32	<0.25	0.26	0.45
Cadmium	1.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	70	23	25	30	25	25	26	30	28	24	30	26	27
Cobalt	21	8	10	9	10	8	9	9	9	8	9	8	9
Copper	92	21	21	18	18	19	19	22	23	21	20	20	21
Cyanide (Free)	0.051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	0.57	0.1	0.07	0.07	0.08	0.22	0.22	0.15	0.22	0.14	0.17	0.11	0.11
Hexavalent Chromium	0.66	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.31	<0.20	<0.20	<0.20	<0.20	<0.20
Lead	120	14	13	14	16	14	12	16	14	14	14	14	14
Mercury	0.27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	82	18	20	21	19	18	19	22	20	17	21	18	20
pH-CaCl2		6.1	5.05	4.9	4.87	7.25	7.24	7.41	6.9	6.93	6.87	6.81	6.72
Selenium	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium Absorption Ratio (SAR)	2.4	0.17	0.14	0.11	0.09	0.06	0.1	0.11	0.15	0.12	0.19	0.12	0.11
Thallium	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium	2.5	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.8	0.7	0.8	0.8	0.7
Vanadium	86	29	34	30	34	29	33	35	34	32	34	36	34
Zinc	290	62	64	62	68	70	60	73	66	66	63	65	61

NT denotes Not Tested

DUP3 denotes duplicate sample

All concentrations in ug/g

Recorded Concentration Exceeds Table 1- SCS for RPI/ICC Property use 13

TABLE D.1: Soil Analytical Test Results- Metals and Inorganics

Parameter	Sample ID	TP17	TP18	TP19	TP20
	Sample Date	2025-04-07	2025-04-07	2025-04-07	2025-04-07
	Sample Depth (in m)	0-0.03	0-0.03	0-0.03	0-0.03
	Table 1 RPI/ICC				
Antimony	1.3	<1	<1	<1	<1
Arsenic	18	4	4	4	4
Barium	220	66	72	68	82
Beryllium	2.5	<1	<1	<1	<1
Boron	36	6	7	6	7
Boron (Hot Water Soluble)	NA	0.32	0.32	0.33	<0.25
Cadmium	1.2	<0.4	<0.4	<0.4	<0.4
Chromium	70	28	27	28	31
Cobalt	21	8	9	8	10
Copper	92	20	17	24	22
Cyanide (Free)	0.051	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	0.57	0.1	0.11	0.09	0.11
Hexavalent Chromium	0.66	<0.20	<0.20	<0.20	<0.20
Lead	120	14	14	14	15
Mercury	0.27	<0.1	<0.1	<0.1	<0.1
Molybdenum	2	<1	<1	<1	<1
Nickel	82	20	18	19	21
pH-CaCl2		6.75	6.73	6.69	6.76
Selenium	1.5	<0.5	<0.5	<0.5	<0.5
Silver	0.5	<0.2	<0.2	<0.2	<0.2
Sodium Absorption Ratio (SAR)	2.4	0.11	0.17	0.13	0.14
Thallium	1	<1	<1	<1	<1
Uranium	2.5	0.7	0.8	0.7	0.9
Vanadium	86	35	37	36	40
Zinc	290	66	65	70	72

NT denotes Not Tested

DUP3 denotes duplicate sample

All concentrations in ug/g

Recorded Concentration Exceeds Table 1- SCS for RPI/ICC Property use 13

TABLE D.2: Soil Analytical Test Results- BTEX and PHCs

Parameter	Sample ID	BH1 SS1	BH2 SS1	BH3 SS1	BH4 SS1	BH4 SS3	DUP2	BH5 SS1	BH6 SS1	BH8 SS1	BH12-SS2	TP1	TP2
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-04	2025-04-03	2025-04-03
	Sample Depth (in m)	0.0-0.6	0.0-0.7	0.0-0.8	0.1-0.6	1.5-2.1		0.1-0.6	0.1-0.6	0.0-0.6	0.1-0.6	0.1-0.6	0.1-0.6
	Table 1 RPI/ICC												
Benzene	0.02	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Ethylbenzene	0.05	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
F1 (C6 to C10)	17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16)	10	<2	<2	<2	<2	<2	<2	<2	10	<2	<2	<2	2
F3 (C16 to C34)	240	<20	30	<20	30	<20	40	100	90	<20	<20	<20	20
F4 (C34 to C50)	120	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Toluene	0.2	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
Xylene (Total)	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

DUP3 denotes duplicate sample

All concentrations in ug/g

TABLE D.3: Soil Analytical Test Results- VOCs

Parameter	Sample ID	BH4 SS1	BH4 SS3	<u>DUP 2</u>	BH12 SS2
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-04
	Sample Depth (m)	0.1-0.6	1.5-2.1		0.8-1.4
	Table 1 RPI/ICC				
1,1,1,2-Tetrachloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethene	0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, cis + trans	0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.05	<0.05	<0.05	<0.05	<0.05
Acetone	0.5	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethene	0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, trans-1,2-	0.05	<0.05	<0.05	<0.05	<0.05
Dichloromethane	0.05	<0.05	<0.05	<0.05	<0.05
Hexane	0.05	<0.05	<0.05	<0.05	<0.05
Methyl ethyl ketone (MEK)	0.5	<0.50	<0.50	<0.50	<0.50
Methyl isobutyl ketone (MIBK)	0.5	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether (MTBE)	0.05	<0.05	<0.05	<0.05	<0.05
Monochlorobenzene	0.05	<0.05	<0.05	<0.05	<0.05
Styrene	0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	0.05	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	0.02	<0.02	<0.02	<0.02	<0.02

DUP3 denotes duplicate sample

All concentrations in ug/g

TABLE D.4: Soil Analytical Test Results- PAHs

Parameter	Sample ID	BH4 SS1	BH7 SS1	BH8 SS1	DUP3	BH9 SS1	BH12 SS2
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-04
	Sample Depth (in m)	0.1-0.6	0.0-.6	0.0-0.6		0.0-0.6	0.8-1.4
Parameter	Table 1 RPI/ICC						
1 + 2-Methylnaphthalene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	0.093	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)anthracene	0.095	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(a)pyrene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(b)fluoranthene	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(g,h,i)perylene	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo(k)fluoranthene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenzo(a,h)anthracene	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	0.24	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno(1,2,3-c,d)pyrene	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnapthalene, 1-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnapthalene, 2-	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Naphthalene	0.05	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Phenanthrene	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pyrene	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

DUP3 denotes duplicate sample
All concentrations in ug/g

TABLE D.5: Soil Analytical Test Results- OCPs

	Sample ID	BH10 SS1	BH11 SS1	TP3	DUP1	TP4	TP5	TP6	TP7	TP8	TP9	TP11	TP10	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20	Dup 5
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07
	Sample Depth (in m)	0.1-0.6	0.1-0.6	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3
Parameter	Table 1 RPI/ICC (coarse)																						
Aldrin	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlordane	0.05	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Dieldrin	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Endosulfan I + Endosulfan II	0.04	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Endrin	0.04	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
gamma-BHC	0.01	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor epoxide	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobenzene	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobutadiene	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methoxychlor	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
p,p'-DDD	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
p,p'-DDE	0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
p,p'-DDT	0.078	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

DUP3 denotes duplicate sample
All concentrations in ug/g

TABLE D.6: Soil Analytical Test Results- PCBs

	Sample ID	TP1	DUP4	TP2	TP4	TP7
	Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
	Sample Depth (in m)	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3
Parameter	Table 1 RPI/ICC					
Polychlorinated Biphenyls	0.3	<0.02	<0.02	<0.02	<0.02	<0.02

DUP3 denotes duplicate sample
All concentrations in ug/g

Appendix E Laboratory Certificates of Analysis

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056
Temperature (C): 7
Custody Seal:

Page 1 of 48

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1761396 BH1 SS1 For all samples on this report, the metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.
--

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 19.rpt

Client: GEI Consultants Inc.
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Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

O.Reg 153-T8-Res/Com

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
Metals				
BH10 SS1	Cadmium	1.9	ug/g	STD 1.2
BH10 SS1	Uranium	13.0	ug/g	STD 2.5

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Date Submitted: 2025-04-07
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Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Hydrocarbons

Guideline = O.Reg 153-T8-Res/Com					Lab I.D.	1761396	1761397	1761398	1761399	1761400
<u>Hydrocarbons</u>					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
					Sample Type					
					Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
					Sampling Time					
					Sample I.D.	BH1 SS1	BH2 SS1	BH3 SS1	BH4 SS3	BH4 SS1
Analyte	Batch No	MRL	Units	Guideline						
PHC's F1	473989	10	ug/g	STD 25	<10	<10	<10	<10	<10	<10
PHC's F1-BTEX	473993	10	ug/g		<10	<10	<10	<10	<10	<10
PHC's F2	473834	2	ug/g	STD 10			<2			
	473836	2	ug/g	STD 10	<2	<2		<2		
	473976	2	ug/g	STD 10						<2
PHC's F2-Napth	474022	2	ug/g							<2
PHC's F3	473834	20	ug/g	STD 240			<20			
	473836	20	ug/g	STD 240	<20	30		<20		
	474021	20	ug/g	STD 240						30
PHC's F3-PAH	474024	20	ug/g							30
PHC's F4	473834	20	ug/g	STD 120			<20			
	473836	20	ug/g	STD 120	<20	<20		<20		
	473976	20	ug/g	STD 120						<20

Hydrocarbons

<u>Hydrocarbons</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761401 Soil153 2025-04-03 BH6 SS1	1761403 Soil153 2025-04-03 BH8 SS1
Analyte	Batch No	MRL	Units	Guideline			
PHC's F1	473989	10	ug/g	STD 25	<10	<10	
PHC's F1-BTEX	473993	10	ug/g		<10	<10	
PHC's F2	473974	2	ug/g	STD 10	10		
	473976	2	ug/g	STD 10		<2	
PHC's F2-Napth	474022	2	ug/g			<2	
PHC's F3	473974	20	ug/g	STD 240	90		

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Report Number: 3015226
Date Submitted: 2025-04-07
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Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Hydrocarbons

Guideline = O.Reg 153-T8-Res/Com					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761401 Soil153	1761403 Soil153
<u>Hydrocarbons</u>						2025-04-03	2025-04-03
Analyte	Batch No	MRL	Units	Guideline	BH6 SS1	BH8 SS1	
PHC's F3	473976	20	ug/g	STD 240		<20	
PHC's F3-PAH	474024	20	ug/g			<20	
PHC's F4	473974	20	ug/g	STD 120	<20		
	473976	20	ug/g	STD 120		<20	

Hydrocarbons

<u>Hydrocarbons</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761406 Soil153 2025-04-03 BH5 SS1	1761408 Soil153 2025-04-03 TP1	1761409 Soil153 2025-04-03 TP2
Analyte	Batch No	MRL	Units	Guideline				
PHC's F1	473989	10	ug/g	STD 25	<10	<10	<10	
PHC's F1-BTEX	473993	10	ug/g		<10	<10	<10	
PHC's F2	473974	2	ug/g	STD 10	<2		2	
	473976	2	ug/g	STD 10		<2		
PHC's F3	473974	20	ug/g	STD 240	100		20	
	473976	20	ug/g	STD 240		<20		
PHC's F4	473974	20	ug/g	STD 120	<20		<20	
	473976	20	ug/g	STD 120		<20		

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Guideline = O.Reg 153-T8-Res/Com

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.
PHC's F1	473989	10	ug/g	STD 25	1761419 Soil153 2025-04-03 DUP2
PHC's F1-BTEX	473993	10	ug/g		
PHC's F2	473976	2	ug/g	STD 10	
PHC's F3	473976	20	ug/g	STD 240	
PHC's F4	473976	20	ug/g	STD 120	

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761396 Soil153 2025-04-03 BH1 SS1	1761397 Soil153 2025-04-03 BH2 SS1	1761398 Soil153 2025-04-03 BH3 SS1	1761400 Soil153 2025-04-03 BH4 SS1
Antimony	473968	1	ug/g	STD 1.3		<1	<1	<1	<1
Arsenic	473968	1	ug/g	STD 18		4	4	5	4
Barium	473968	1	ug/g	STD 220		47	71	70	57
Beryllium	473968	1	ug/g	STD 2.5		<1	<1	<1	<1
Boron (total)	473968	5	ug/g	STD 36		5	6	6	6
Cadmium	473968	0.4	ug/g	STD 1.2		<0.4	<0.4	<0.4	<0.4
Chromium Total	473968	1	ug/g	STD 70		20	29	26	20
Cobalt	473968	1	ug/g	STD 22		7	10	11	9
Copper	473968	1	ug/g	STD 92		18	26	27	22
Lead	473968	1	ug/g	STD 120		8	11	11	11
Molybdenum	473968	1	ug/g	STD 2		<1	<1	<1	<1
Nickel	473968	1	ug/g	STD 82		16	23	23	18
Selenium	473968	0.5	ug/g	STD 1.5		<0.5	<0.5	<0.5	<0.5

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Guideline = O.Reg 153-T8-Res/Com

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761396	Soil153	1761397	Soil153	1761398	Soil153
					2025-04-03		2025-04-03		2025-04-03	2025-04-03
					BH1 SS1		BH2 SS1		BH3 SS1	BH4 SS1
Silver	473968	0.2	ug/g	STD 0.5	<0.2		<0.2		<0.2	<0.2
Thallium	473968	1	ug/g	STD 1	<1		<1		<1	<1
Uranium	473968	0.5	ug/g	STD 2.5	<0.5		0.5		0.6	<0.5
Vanadium	473968	2	ug/g	STD 86	26		34		36	28
Zinc	473968	2	ug/g	STD 290	46		57		56	65

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761401	Soil153	1761402	Soil153	1761403	Soil153
					2025-04-03		2025-04-03		2025-04-03	2025-04-03
					BH6 SS1		BH7 SS1		BH8 SS1	BH9 SS1
Antimony	473968	1	ug/g	STD 1.3	<1		<1		<1	<1
Arsenic	473968	1	ug/g	STD 18	5		4		5	3
Barium	473968	1	ug/g	STD 220	53		69		72	65
Beryllium	473968	1	ug/g	STD 2.5	<1		<1		<1	<1
Boron (Hot Water Soluble)	473881	0.25	ug/g	STD 1.5			<0.25		0.26	0.83
Boron (total)	473968	5	ug/g	STD 36	6		7		9	18
Cadmium	473968	0.4	ug/g	STD 1.2	<0.4		<0.4		<0.4	1.9*
Chromium Total	473968	1	ug/g	STD 70	24		24		26	21
Cobalt	473968	1	ug/g	STD 22	12		10		12	8
Copper	473968	1	ug/g	STD 92	26		81		35	37
Lead	473968	1	ug/g	STD 120	10		12		12	60
Mercury	473968	0.1	ug/g	STD 0.27			<0.1		<0.1	<0.1
Molybdenum	473968	1	ug/g	STD 2	<1		<1		<1	<1
Nickel	473968	1	ug/g	STD 82	22		20		25	18

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Guideline = O.Reg 153-T8-Res/Com

Metals

Guideline = O.Reg 153-T8-Res/Com					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761401 Soil153 2025-04-03 BH6 SS1	1761402 Soil153 2025-04-03 BH7 SS1	1761403 Soil153 2025-04-03 BH8 SS1	1761404 Soil153 2025-04-03 BH9 SS1	1761405 Soil153 2025-04-03 BH10 SS1
<u>Metals</u>										
Analyte	Batch No	MRL	Units	Guideline						
Selenium	473968	0.5	ug/g	STD 1.5						
Silver	473968	0.2	ug/g	STD 0.5						
Thallium	473968	1	ug/g	STD 1	<1	<1	<1	<1	<1	
Uranium	473968	0.5	ug/g	STD 2.5	<0.5	0.5	0.5	<0.5	13.0*	
Vanadium	473968	2	ug/g	STD 86	34	31	34	26	58	
Zinc	473968	2	ug/g	STD 290	58	70	82	152	176	

Metals

<u>Metals</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761406 Soil153 2025-04-03 BH5 SS1	1761407 Soil153 2025-04-03 BH11 SS1	1761410 Soil153 2025-04-03 TP3
Analyte	Batch No	MRL	Units	Guideline				
Antimony	473968	1	ug/g	STD 1.3	<1	<1	<1	
Arsenic	473968	1	ug/g	STD 18	4	5	3	
Barium	473968	1	ug/g	STD 220	65	80	52	
Beryllium	473968	1	ug/g	STD 2.5	<1	<1	<1	
Boron (Hot Water Soluble)	473881	0.25	ug/g	STD 1.5		<0.25	0.35	
Boron (total)	473968	5	ug/g	STD 36	6	7	<5	
Cadmium	473968	0.4	ug/g	STD 1.2	<0.4	<0.4	<0.4	
Chromium Total	473968	1	ug/g	STD 70	21	28	19	
Cobalt	473968	1	ug/g	STD 22	8	12	7	
Copper	473968	1	ug/g	STD 92	18	29	17	
Lead	473968	1	ug/g	STD 120	13	12	12	
Mercury	473968	0.1	ug/g	STD 0.27		<0.1	<0.1	
Molybdenum	473968	1	ug/g	STD 2	<1	<1	<1	

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Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761406	Soil153	1761407	Soil153	1761410	Soil153
Nickel	473968	1	ug/g	STD 82	2025-04-03	BH5 SS1	2025-04-03	BH11 SS1	2025-04-03	TP3
Selenium	473968	0.5	ug/g	STD 1.5	<0.5		<0.5		<0.5	
Silver	473968	0.2	ug/g	STD 0.5	<0.2		<0.2		<0.2	
Thallium	473968	1	ug/g	STD 1	<1		<1		<1	
Uranium	473968	0.5	ug/g	STD 2.5	0.9		0.6		0.6	
Vanadium	473968	2	ug/g	STD 86	29		35		27	
Zinc	473968	2	ug/g	STD 290	73		61		61	

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761411	Soil153	1761412	Soil153	1761413	Soil153
Antimony	473968	1	ug/g	STD 1.3	2025-04-03	TP4	2025-04-03	TP5	2025-04-03	TP6
Arsenic	473968	1	ug/g	STD 18	4		4		4	
Barium	473968	1	ug/g	STD 220	68		63		68	
Beryllium	473968	1	ug/g	STD 2.5	<1		<1		<1	
Boron (Hot Water Soluble)	473881	0.25	ug/g	STD 1.5	0.29		0.32		<0.25	
Boron (total)	473968	5	ug/g	STD 36	7		6		<5	
Cadmium	473968	0.4	ug/g	STD 1.2	<0.4		<0.4		<0.4	
Chromium Total	473968	1	ug/g	STD 70	24		23		25	
Cobalt	473968	1	ug/g	STD 22	10		8		10	
Copper	473968	1	ug/g	STD 92	24		21		18	
Lead	473968	1	ug/g	STD 120	15		14		13	
Mercury	473968	0.1	ug/g	STD 0.27	<0.1		<0.1		<0.1	

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Guideline = O.Reg 153-T8-Res/Com

Metals

Guideline = O.Reg 153-T8-Res/Com					Lab I.D.	1761411	1761412	1761413	1761414	1761415
<u>Metals</u>	Batch No	MRL	Units	Guideline	Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
					Sample Type	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
Analyte					Sample Date	TP4	TP5	TP6	TP7	TP8
					Sampling Time					
					Sample I.D.					
Molybdenum	473968	1	ug/g	STD 2		<1	<1	<1	<1	<1
Nickel	473968	1	ug/g	STD 82		19	18	20	21	19
Selenium	473968	0.5	ug/g	STD 1.5		<0.5	<0.5	<0.5	<0.5	<0.5
Silver	473968	0.2	ug/g	STD 0.5		<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	473968	1	ug/g	STD 1		<1	<1	<1	<1	<1
Uranium	473968	0.5	ug/g	STD 2.5		0.7	0.7	0.6	0.6	0.7
Vanadium	473968	2	ug/g	STD 86		32	29	34	30	34
Zinc	473968	2	ug/g	STD 290		74	62	64	62	68

Metals

<u>Metals</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761416 Soil153 2025-04-03 TP9	1761417 Soil153 2025-04-03 TP11	1761418 Soil153 2025-04-03 DUP1	1761420 Soil153 2025-04-03 DUP3
Analyte	Batch No	MRL	Units	Guideline					
Antimony	473968	1	ug/g	STD 1.3	<1	<1	<1	<1	
Arsenic	473968	1	ug/g	STD 18	3	4	4	5	
Barium	473968	1	ug/g	STD 220	77	73	56	72	
Beryllium	473968	1	ug/g	STD 2.5	<1	<1	<1	<1	
Boron (Hot Water Soluble)	473881	0.25	ug/g	STD 1.5	0.64	0.30	0.35		
	474016	0.25	ug/g	STD 1.5				0.27	
Boron (total)	473968	5	ug/g	STD 36	8	7	6	8	
Cadmium	473968	0.4	ug/g	STD 1.2	<0.4	<0.4	<0.4	<0.4	
Chromium Total	473968	1	ug/g	STD 70	25	26	20	25	
Cobalt	473968	1	ug/g	STD 22	8	9	7	11	
Copper	473968	1	ug/g	STD 92	19	19	19	34	

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761416	Soil153	1761417	Soil153	1761418	Soil153
					2025-04-03		2025-04-03		2025-04-03	2025-04-03
					TP9		TP11		DUP1	DUP3
Lead	473968	1	ug/g	STD 120	14		12		13	14
Mercury	473968	0.1	ug/g	STD 0.27	<0.1		<0.1		<0.1	<0.1
Molybdenum	473968	1	ug/g	STD 2	<1		<1		<1	<1
Nickel	473968	1	ug/g	STD 82	18		19		15	23
Selenium	473968	0.5	ug/g	STD 1.5	<0.5		<0.5		<0.5	<0.5
Silver	473968	0.2	ug/g	STD 0.5	<0.2		<0.2		<0.2	<0.2
Thallium	473968	1	ug/g	STD 1	<1		<1		<1	<1
Uranium	473968	0.5	ug/g	STD 2.5	0.6		0.6		0.6	0.5
Vanadium	473968	2	ug/g	STD 86	29		33		29	32
Zinc	473968	2	ug/g	STD 290	70		60		64	95

OCP/PCB

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761405	Soil153		2025-04-03		BH10 SS1
Aldrin	474011	0.002	ug/g	STD 0.05	<0.002					
Chlordane	474011	0.006	ug/g	STD 0.05	<0.006					
Chlordane, alpha-	474011	0.002	ug/g		<0.002					
Chlordane, gamma-	474011	0.002	ug/g		<0.002					
DDD	474011	0.002	ug/g	STD 0.05	<0.002					
DDE	474011	0.002	ug/g	STD 0.05	<0.002					
DDT	474011	0.002	ug/g	STD 1.4	<0.002					
Dieldrin	474011	0.002	ug/g	STD 0.05	<0.002					
Endosulfan	474011	0.004	ug/g	STD 0.04	<0.004					

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OCP/PCB

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761405
Soil153

2025-04-03

BH10 SS1

Analyte	Batch No	MRL	Units	Guideline	
Endosulfan I	474011	0.002	ug/g		<0.002
Endosulfan II	474011	0.002	ug/g		<0.002
Endrin	474011	0.002	ug/g	STD 0.04	<0.002
Heptachlor	474011	0.002	ug/g	STD 0.05	<0.002
Heptachlor Epoxide	474011	0.002	ug/g	STD 0.05	<0.002
Hexachlorobenzene	474011	0.002	ug/g	STD 0.02	<0.002
Hexachlorobutadiene	474011	0.002	ug/g	STD 0.01	<0.002
Hexachlorocyclohexane Gamma-	474011	0.002	ug/g	STD 0.01	0.003
Hexachloroethane	474011	0.002	ug/g	STD 0.01	<0.002
Methoxychlor	474011	0.002	ug/g	STD 0.05	<0.002

OCP/PCB

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761407
Soil153

2025-04-03

BH11 SS1

1761410
Soil153

2025-04-03

TP3

Analyte	Batch No	MRL	Units	Guideline		
Aldrin	474011	0.002	ug/g	STD 0.05	<0.002	<0.002
Chlordane	474011	0.006	ug/g	STD 0.05	<0.006	<0.006
Chlordane, alpha-	474011	0.002	ug/g		<0.002	<0.002
Chlordane, gamma-	474011	0.002	ug/g		<0.002	0.002
DDD	474011	0.002	ug/g	STD 0.05	<0.002	<0.002
DDE	474011	0.002	ug/g	STD 0.05	<0.002	<0.002
DDT	474011	0.002	ug/g	STD 1.4	<0.002	<0.002
Dieldrin	474011	0.002	ug/g	STD 0.05	<0.002	<0.002
Endosulfan	474011	0.004	ug/g	STD 0.04	<0.004	<0.004

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Guideline = O.Reg 153-T8-Res/Com

OCP/PCB

Guideline = O.Reg 153-T8-Res/Com					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761407 Soil153	1761410 Soil153
<u>OCP/PCB</u>						2025-04-03	2025-04-03
Analyte	Batch No	MRL	Units	Guideline		BH11 SS1	TP3
Endosulfan I	474011	0.002	ug/g			<0.002	<0.002
Endosulfan II	474011	0.002	ug/g			<0.002	<0.002
Endrin	474011	0.002	ug/g	STD 0.04	<0.002	<0.002	
Heptachlor	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	
Heptachlor Epoxide	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	
Hexachlorobenzene	474011	0.002	ug/g	STD 0.02	<0.002	<0.002	
Hexachlorobutadiene	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	
Hexachlorocyclohexane Gamma-	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	
Hexachloroethane	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	
Methoxychlor	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	

OCP/PCB

<u>OCP/PCB</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761411 Soil153 2025-04-03 TP4	1761412 Soil153 2025-04-03 TP5	1761413 Soil153 2025-04-03 TP6	1761414 Soil153 2025-04-03 TP7	1761415 Soil153 2025-04-03 TP8
Analyte	Batch No	MRL	Units	Guideline						
Aldrin	474010	0.002	ug/g	STD 0.05	<0.002			<0.002		
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002	
Chlordane	474010	0.006	ug/g	STD 0.05	<0.006			<0.006		
	474011	0.006	ug/g	STD 0.05		<0.006	<0.006		<0.006	
Chlordane, alpha-	474010	0.002	ug/g		<0.002			<0.002		
	474011	0.002	ug/g			<0.002	<0.002		<0.002	
Chlordane, gamma-	474010	0.002	ug/g		<0.002			<0.002		
	474011	0.002	ug/g			<0.002	<0.002		<0.002	
DDD	474010	0.002	ug/g	STD 0.05	<0.002			<0.002		

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Guideline = O.Reg 153-T8-Res/Com

OCP/PCB

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761411
Soil153

2025-04-03

TP4

1761412
Soil153

2025-04-03

TP5

1761413
Soil153

2025-04-03

TP6

1761414
Soil153

2025-04-03

TP7

1761415
Soil153

2025-04-03

TP8

Analyte	Batch No	MRL	Units	Guideline	TP4	TP5	TP6	TP7	TP8
DDD	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002
DDE	474010	0.002	ug/g	STD 0.05	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002
DDT	474010	0.002	ug/g	STD 1.4	<0.002			<0.002	
	474011	0.002	ug/g	STD 1.4		<0.002	<0.002		<0.002
Dieldrin	474010	0.002	ug/g	STD 0.05	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002
Endosulfan	474010	0.004	ug/g	STD 0.04	<0.004			<0.004	
	474011	0.004	ug/g	STD 0.04		<0.004	<0.004		<0.004
Endosulfan I	474010	0.002	ug/g		<0.002			<0.002	
	474011	0.002	ug/g			<0.002	<0.002		<0.002
Endosulfan II	474010	0.002	ug/g		<0.002			<0.002	
	474011	0.002	ug/g			<0.002	<0.002		<0.002
Endrin	474010	0.002	ug/g	STD 0.04	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.04		<0.002	<0.002		<0.002
Heptachlor	474010	0.002	ug/g	STD 0.05	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002
Heptachlor Epoxide	474010	0.002	ug/g	STD 0.05	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002
Hexachlorobenzene	474010	0.002	ug/g	STD 0.02	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.02		<0.002	<0.002		<0.002
Hexachlorobutadiene	474010	0.002	ug/g	STD 0.01	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.01		<0.002	<0.002		<0.002

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OCP/PCB

					1761411 Soil153	1761412 Soil153	1761413 Soil153	1761414 Soil153	1761415 Soil153
					2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
					TP4	TP5	TP6	TP7	TP8
Analyte	Batch No	MRL	Units	Guideline					
Hexachlorocyclohexane Gamma-	474010	0.002	ug/g	STD 0.01	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.01		<0.002	<0.002		<0.002
Hexachloroethane	474010	0.002	ug/g	STD 0.01	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.01		<0.002	<0.002		<0.002
Methoxychlor	474010	0.002	ug/g	STD 0.05	<0.002			<0.002	
	474011	0.002	ug/g	STD 0.05		<0.002	<0.002		<0.002

OCP/PCB

					1761416 Soil153	1761417 Soil153	1761418 Soil153
					2025-04-03	2025-04-03	2025-04-03
					TP9	TP11	DUP1
Analyte	Batch No	MRL	Units	Guideline			
Aldrin	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002
Chlordane	474011	0.006	ug/g	STD 0.05	<0.006	<0.006	<0.006
Chlordane, alpha-	474011	0.002	ug/g		<0.002	<0.002	<0.002
Chlordane, gamma-	474011	0.002	ug/g		<0.002	<0.002	<0.002
DDD	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002
DDE	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002
DDT	474011	0.002	ug/g	STD 1.4	<0.002	<0.002	<0.002
Dieldrin	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002
Endosulfan	474011	0.004	ug/g	STD 0.04	<0.004	<0.004	<0.004
Endosulfan I	474011	0.002	ug/g		<0.002	<0.002	<0.002
Endosulfan II	474011	0.002	ug/g		<0.002	<0.002	<0.002
Endrin	474011	0.002	ug/g	STD 0.04	<0.002	<0.002	<0.002
Heptachlor	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002

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OCP/PCB

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761416	Soil153	1761417	Soil153	1761418	Soil153
Heptachlor Epoxide	474011	0.002	ug/g	STD 0.05	2025-04-03	TP9	2025-04-03	TP11	2025-04-03	DUP1
Hexachlorobenzene	474011	0.002	ug/g	STD 0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobutadiene	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorocyclohexane Gamma-	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	474011	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Methoxychlor	474011	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Others

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761402	Soil153	1761403	Soil153	1761404	Soil153
Chromium VI	473911	0.20	ug/g	STD 0.66	2025-04-03	BH7 SS1	2025-04-03	BH8 SS1	2025-04-03	BH9 SS1
					<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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Others

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761407 Soil153 2025-04-03 BH11 SS1	1761409 Soil153 2025-04-03 TP2	1761410 Soil153 2025-04-03 TP3
Chromium VI	473911	0.20	ug/g	STD 0.66		0.29	0.29	<0.20

Others

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761411 Soil153 2025-04-03 TP4	1761412 Soil153 2025-04-03 TP5	1761413 Soil153 2025-04-03 TP6	1761414 Soil153 2025-04-03 TP7	1761415 Soil153 2025-04-03 TP8
Chromium VI	473911	0.20	ug/g	STD 0.66		<0.20	<0.20	<0.20	<0.20	<0.20

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Guideline = O.Reg 153-T8-Res/Com

Others

Guideline = O.Reg 153-18-Res/Com									
<u>Others</u>					Lab I.D.	1761416	1761417	1761418	1761420
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
					Sample Type				
					Sample Date	2025-04-03	2025-04-03	2025-04-03	2025-04-03
					Sampling Time				
				Sample I.D.					
Analyte	Batch No	MRL	Units	Guideline	TP9	TP11	DUP1	DUP3	
Chromium VI	473911	0.20	ug/g	STD 0.66	<0.20	<0.20	<0.20	<0.20	<0.20

PAH

PAH					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761400 Soil153 2025-04-03 BH4 SS1
Analyte	Batch No	MRL	Units	Guideline		
1+2-methylnaphthalene	473897	0.05	ug/g	STD 0.59	<0.05	
Acenaphthene	473896	0.05	ug/g	STD 0.072	<0.05	
Acenaphthylene	473896	0.05	ug/g	STD 0.093	<0.05	
Anthracene	473896	0.05	ug/g	STD 0.22	<0.05	
Benz[a]anthracene	473896	0.05	ug/g	STD 0.36	<0.05	
Benzo[a]pyrene	473896	0.05	ug/g	STD 0.3	<0.05	
Benzo[b]fluoranthene	473896	0.05	ug/g	STD 0.47	<0.05	
Benzo[ghi]perylene	473896	0.05	ug/g	STD 0.68	<0.05	
Benzo[k]fluoranthene	473896	0.05	ug/g	STD 0.48	<0.05	
Chrysene	473896	0.05	ug/g	STD 2.8	<0.05	
Dibenz[a h]anthracene	473896	0.05	ug/g	STD 0.1	<0.05	
Fluoranthene	473896	0.05	ug/g	STD 0.69	<0.05	
Fluorene	473896	0.05	ug/g	STD 0.19	<0.05	

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Guideline = O.Reg 153-T8-Res/Com

PAH

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761400
Soil153

2025-04-03

BH4 SS1

Analyte	Batch No	MRL	Units	Guideline	
Indeno[1 2 3-cd]pyrene	473896	0.05	ug/g		<0.05
Methlynaphthalene, 1-	473896	0.05	ug/g	STD 0.59	<0.05
Methlynaphthalene, 2-	473896	0.05	ug/g	STD 0.59	<0.05
Naphthalene	473896	0.013	ug/g	STD 0.09	<0.013
Phenanthrene	473896	0.05	ug/g	STD 0.69	<0.05
Pyrene	473896	0.05	ug/g	STD 1	<0.05

PAH

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761402
Soil153

2025-04-03

BH7 SS1

1761403
Soil153

2025-04-03

BH8 SS1

1761404
Soil153

2025-04-03

BH9 SS1

Analyte	Batch No	MRL	Units	Guideline			
1+2-methylnaphthalene	473897	0.05	ug/g	STD 0.59	<0.05	<0.05	<0.05
Acenaphthene	473896	0.05	ug/g	STD 0.072	<0.05	<0.05	<0.05
Acenaphthylene	473896	0.05	ug/g	STD 0.093	<0.05	<0.05	<0.05
Anthracene	473896	0.05	ug/g	STD 0.22	<0.05	<0.05	<0.05
Benz[a]anthracene	473896	0.05	ug/g	STD 0.36	<0.05	<0.05	<0.05
Benzo[a]pyrene	473896	0.05	ug/g	STD 0.3	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	473896	0.05	ug/g	STD 0.47	<0.05	<0.05	<0.05
Benzo[ghi]perylene	473896	0.05	ug/g	STD 0.68	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	473896	0.05	ug/g	STD 0.48	<0.05	<0.05	<0.05
Chrysene	473896	0.05	ug/g	STD 2.8	<0.05	<0.05	<0.05
Dibenz[a h]anthracene	473896	0.05	ug/g	STD 0.1	<0.05	<0.05	<0.05
Fluoranthene	473896	0.05	ug/g	STD 0.69	<0.05	<0.05	<0.05
Fluorene	473896	0.05	ug/g	STD 0.19	<0.05	<0.05	<0.05

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

PAH

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761402 Soil153 2025-04-03 BH7 SS1	1761403 Soil153 2025-04-03 BH8 SS1	1761404 Soil153 2025-04-03 BH9 SS1
Analyte	Batch No	MRL	Units	Guideline				
Indeno[1 2 3-cd]pyrene	473896	0.05	ug/g			<0.05	<0.05	<0.05
Methylnaphthalene, 1-	473896	0.05	ug/g	STD 0.59		<0.05	<0.05	<0.05
Methylnaphthalene, 2-	473896	0.05	ug/g	STD 0.59		<0.05	<0.05	<0.05
Naphthalene	473896	0.013	ug/g	STD 0.09		<0.013	<0.013	<0.013
Phenanthrene	473896	0.05	ug/g	STD 0.69		<0.05	<0.05	<0.05
Pyrene	473896	0.05	ug/g	STD 1		<0.05	<0.05	<0.05

PAH

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761420 Soil153 2025-04-03 DUP3
Analyte	Batch No	MRL	Units	Guideline		
1+2-methylnaphthalene	473897	0.05	ug/g	STD 0.59		<0.05
Acenaphthene	473896	0.05	ug/g	STD 0.072		<0.05
Acenaphthylene	473896	0.05	ug/g	STD 0.093		<0.05
Anthracene	473896	0.05	ug/g	STD 0.22		<0.05
Benz[a]anthracene	473896	0.05	ug/g	STD 0.36		<0.05
Benzo[a]pyrene	473896	0.05	ug/g	STD 0.3		<0.05
Benzo[b]fluoranthene	473896	0.05	ug/g	STD 0.47		<0.05
Benzo[ghi]perylene	473896	0.05	ug/g	STD 0.68		<0.05
Benzo[k]fluoranthene	473896	0.05	ug/g	STD 0.48		<0.05
Chrysene	473896	0.05	ug/g	STD 2.8		<0.05
Dibenz[a h]anthracene	473896	0.05	ug/g	STD 0.1		<0.05
Fluoranthene	473896	0.05	ug/g	STD 0.69		<0.05
Fluorene	473896	0.05	ug/g	STD 0.19		<0.05

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Markham, ON
L3R 4M8
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Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

PAH

Lab I.D. 1761420
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. DUP3

Analyte	Batch No	MRL	Units	Guideline	
Indeno[1 2 3-cd]pyrene	473896	0.05	ug/g		<0.05
Methlynaphthalene, 1-	473896	0.05	ug/g	STD 0.59	<0.05
Methlynaphthalene, 2-	473896	0.05	ug/g	STD 0.59	<0.05
Naphthalene	473896	0.013	ug/g	STD 0.09	<0.013
Phenanthrene	473896	0.05	ug/g	STD 0.69	<0.05
Pyrene	473896	0.05	ug/g	STD 1	<0.05

Volatiles

Lab I.D. 1761396
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. BH1 SS1

1761397 Soil153 2025-04-03 BH2 SS1

1761398 Soil153 2025-04-03 BH3 SS1

1761399 Soil153 2025-04-03 BH4 SS3

1761400 Soil153 2025-04-03 BH4 SS1

Analyte	Batch No	MRL	Units	Guideline					
Acetone	473985	0.50	ug/g	STD 0.5				<0.50	<0.50
Benzene	473985	0.0068	ug/g	STD 0.02	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Bromoform	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Bromomethane	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Carbon Tetrachloride	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Chlorobenzene	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Chloroform	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dibromochloromethane	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichlorobenzene, 1,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichlorobenzene, 1,3-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichlorobenzene, 1,4-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichlorodifluoromethane	473985	0.05	ug/g	STD 0.05				<0.05	<0.05

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75 Tiverton Court, Unit 100
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L3R 4M8
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Volatiles

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761396 Soil153	1761397 Soil153	1761398 Soil153	1761399 Soil153	1761400 Soil153
2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
BH1 SS1	BH2 SS1	BH3 SS1	BH4 SS3	BH4 SS1

Analyte	Batch No	MRL	Units	Guideline					
Dichloroethane, 1,1-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloroethane, 1,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloroethylene, 1,1-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloroethylene, 1,2-cis-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloroethylene, 1,2-trans-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloropropane, 1,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloropropene,1,3-	473995	0.05	ug/g	STD 0.05				<0.05	<0.05
Dichloropropene,1,3-cis-	473985	0.05	ug/g					<0.05	<0.05
Dichloropropene,1,3-trans-	473985	0.05	ug/g					<0.05	<0.05
Ethylbenzene	473985	0.018	ug/g	STD 0.05	<0.018	<0.018	<0.018	<0.018	<0.018
Ethylene dibromide	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Hexane (n)	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Methyl Ethyl Ketone	473985	0.50	ug/g	STD 0.5				<0.50	<0.50
Methyl Isobutyl Ketone	473985	0.50	ug/g	STD 0.5				<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Methylene Chloride	473985	0.05	ug/g					<0.05	<0.05
Styrene	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Tetrachloroethylene	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Toluene	473985	0.08	ug/g	STD 0.2	<0.08	<0.08	<0.08	<0.08	<0.08
Trichloroethane, 1,1,1,-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05
Trichloroethane, 1,1,2-	473985	0.05	ug/g	STD 0.05				<0.05	<0.05

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75 Tiverton Court, Unit 100
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L3R 4M8
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Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Volatiles

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761396 Soil153 2025-04-03 BH1 SS1	1761397 Soil153 2025-04-03 BH2 SS1	1761398 Soil153 2025-04-03 BH3 SS1	1761399 Soil153 2025-04-03 BH4 SS3	1761400 Soil153 2025-04-03 BH4 SS1
Analyte	Batch No	MRL	Units	Guideline						
Trichloroethylene	473985	0.01	ug/g	STD 0.05					<0.01	<0.01
Trichlorofluoromethane	473985	0.05	ug/g	STD 0.25					<0.05	<0.05
Vinyl Chloride	473985	0.02	ug/g	STD 0.02					<0.02	<0.02
Xylene Mixture	473990	0.05	ug/g	STD 0.05		<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, m/p-	473985	0.05	ug/g			<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	473985	0.05	ug/g			<0.05	<0.05	<0.05	<0.05	<0.05

Volatiles

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761401 Soil153 2025-04-03 BH6 SS1	1761403 Soil153 2025-04-03 BH8 SS1
Analyte	Batch No	MRL	Units	Guideline			
Benzene	473985	0.0068	ug/g	STD 0.02		<0.0068	<0.0068
Ethylbenzene	473985	0.018	ug/g	STD 0.05		<0.018	<0.018
Toluene	473985	0.08	ug/g	STD 0.2		<0.08	<0.08
Xylene Mixture	473990	0.05	ug/g	STD 0.05		<0.05	<0.05
Xylene, m/p-	473985	0.05	ug/g			<0.05	<0.05
Xylene, o-	473985	0.05	ug/g			<0.05	<0.05

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Guideline = O.Reg 153-T8-Res/Com

Volatiles

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.		
Analyte	Batch No	MRL	Units	Guideline			
Benzene	473985	0.0068	ug/g	STD 0.02	1761406 Soil153 2025-04-03 BH5 SS1	1761408 Soil153 2025-04-03 TP1	1761409 Soil153 2025-04-03 TP2
Ethylbenzene	473985	0.018	ug/g	STD 0.05	<0.0068	<0.0068	<0.0068
Toluene	473985	0.08	ug/g	STD 0.2	<0.018	<0.018	<0.018
Xylene Mixture	473990	0.05	ug/g	STD 0.05	<0.08	<0.08	<0.08
Xylene, m/p-	473985	0.05	ug/g		<0.05	<0.05	<0.05
Xylene, o-	473985	0.05	ug/g		<0.05	<0.05	<0.05

Volatiles

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.
Analyte	Batch No	MRL	Units	Guideline	
Acetone	473985	0.50	ug/g	STD 0.5	1761419 Soil153 2025-04-03 DUP2
Benzene	473985	0.0068	ug/g	STD 0.02	<0.50
Bromodichloromethane	473985	0.05	ug/g	STD 0.05	<0.0068
Bromoform	473985	0.05	ug/g	STD 0.05	<0.05
Bromomethane	473985	0.05	ug/g	STD 0.05	<0.05
Carbon Tetrachloride	473985	0.05	ug/g	STD 0.05	<0.05
Chlorobenzene	473985	0.05	ug/g	STD 0.05	<0.05
Chloroform	473985	0.05	ug/g	STD 0.05	<0.05
Dibromochloromethane	473985	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,2-	473985	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,3-	473985	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,4-	473985	0.05	ug/g	STD 0.05	<0.05
Dichlorodifluoromethane	473985	0.05	ug/g	STD 0.05	<0.05

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L3R 4M8
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Volatiles

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.
1761419
Soil153
2025-04-03
DUP2

Analyte	Batch No	MRL	Units	Guideline	
Dichloroethane, 1,1-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloroethane, 1,2-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,1-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,2-cis-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,2-trans-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloropropane, 1,2-	473985	0.05	ug/g	STD 0.05	<0.05
Dichloropropene,1,3-	473995	0.05	ug/g	STD 0.05	<0.05
Dichloropropene,1,3-cis-	473985	0.05	ug/g		<0.05
Dichloropropene,1,3-trans-	473985	0.05	ug/g		<0.05
Ethylbenzene	473985	0.018	ug/g	STD 0.05	<0.018
Ethylene dibromide	473985	0.05	ug/g	STD 0.05	<0.05
Hexane (n)	473985	0.05	ug/g	STD 0.05	<0.05
Methyl Ethyl Ketone	473985	0.50	ug/g	STD 0.5	<0.50
Methyl Isobutyl Ketone	473985	0.50	ug/g	STD 0.5	<0.50
Methyl tert-Butyl Ether (MTBE)	473985	0.05	ug/g	STD 0.05	<0.05
Methylene Chloride	473985	0.05	ug/g		<0.05
Styrene	473985	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethane, 1,1,1,2-	473985	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethane, 1,1,2,2-	473985	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethylene	473985	0.05	ug/g	STD 0.05	<0.05
Toluene	473985	0.08	ug/g	STD 0.2	<0.08
Trichloroethane, 1,1,1-	473985	0.05	ug/g	STD 0.05	<0.05
Trichloroethane, 1,1,2-	473985	0.05	ug/g	STD 0.05	<0.05

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75 Tiverton Court, Unit 100
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Guideline = O.Reg 153-T8-Res/Com

Volatiles

Lab I.D. 1761419
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. DUP2

Analyte	Batch No	MRL	Units	Guideline	
Trichloroethylene	473985	0.01	ug/g	STD 0.05	<0.01
Trichlorofluoromethane	473985	0.05	ug/g	STD 0.25	<0.05
Vinyl Chloride	473985	0.02	ug/g	STD 0.02	<0.02
Xylene Mixture	473990	0.05	ug/g	STD 0.05	<0.05
Xylene, m/p-	473985	0.05	ug/g		<0.05
Xylene, o-	473985	0.05	ug/g		<0.05

Inorganics

Lab I.D. 1761402
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. BH7 SS1

1761403 Soil153 2025-04-03 BH8 SS1

1761404 Soil153 2025-04-03 BH9 SS1

1761405 Soil153 2025-04-03 BH10 SS1

Analyte	Batch No	MRL	Units	Guideline				
Cyanide (CN-)	473951	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	474003	0.05	mS/cm	STD 0.7	0.20	0.24	0.20	
pH - CaCl2	473837	2.00			7.76	7.61	7.52	6.08
Sodium Adsorption Ratio	474006	0.01		STD 5	0.18	0.10	0.12	

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Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix
					Sample Type	Sample Date
Cyanide (CN-)	473951	0.005	ug/g	STD 0.051	1761407	Soil153
Electrical Conductivity	474003	0.05	mS/cm	STD 0.7	1761410	Soil153
pH - CaCl2	473837	2.00			2025-04-03	2025-04-03
Sodium Adsorption Ratio	474006	0.01		STD 5	BH11 SS1	TP3

Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761411	1761412	1761413	1761414	1761415	1761415
Cyanide (CN-)	473951	0.005	ug/g	STD 0.051	Soil153	Soil153	Soil153	Soil153	Soil153	Soil153
Electrical Conductivity	474003	0.05	mS/cm	STD 0.7	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
pH - CaCl2	473837	2.00			TP4	TP5	TP6	TP7	TP8	TP8
Sodium Adsorption Ratio	474006	0.01		STD 5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
					0.11	0.10	0.07	0.07	0.08	0.08
					6.50	6.10	5.05	4.90	4.87	4.87
					0.08	0.17	0.14	0.11	0.09	0.09

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Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational
Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim
Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial
Water Quality Guideline, IPWQO = Interim Provincial Water Quality
Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761416	Soil153	1761417	Soil153	1761418	Soil153
Cyanide (CN-)	473951	0.005	ug/g	STD 0.051	2025-04-03	TP9	2025-04-03	TP11	2025-04-03	DUP1
Electrical Conductivity	474003	0.05	mS/cm	STD 0.7	0.22		0.22		0.20	
pH - CaCl2	473837	2.00			7.25		7.24		6.70	
	473898	2.00								7.43
Sodium Adsorption Ratio	474006	0.01		STD 5	0.06		0.10		0.21	0.10

Moisture

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761396	Soil153	1761397	Soil153	1761398	Soil153
Moisture-Humidite	473834	0.1	%		2025-04-03	BH1 SS1	2025-04-03	BH2 SS1	2025-04-03	BH3 SS1
	473836	0.1	%		19.7		12.9		14.1	
	473976	0.1	%							13.8

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Moisture

Analyte

Batch No

MRL

Units

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

Guideline

1761401
Soil153

2025-04-03

BH6 SS1

1761403
Soil153

2025-04-03

BH8 SS1

Moisture-Humidite

473974

0.1

%

13.8

473976

0.1

%

14.1

Moisture

Analyte

Batch No

MRL

Units

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

Guideline

1761406
Soil153

2025-04-03

BH5 SS1

1761408
Soil153

2025-04-03

TP1

1761409
Soil153

2025-04-03

TP2

Moisture-Humidite

473974

0.1

%

6.5

26.7

473976

0.1

%

20.3

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COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

Moisture

Lab I.D. 1761419
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. DUP2

Analyte Batch No MRL Units Guideline

Moisture-Humidite	473976	0.1	%		13.7
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PCBs

Lab I.D. 1761408
Sample Matrix Soil153
Sample Type 1761409
Sample Date 2025-04-03
Sampling Time 2025-04-03
Sample I.D. TP1 TP2

Analyte Batch No MRL Units Guideline

Aroclor 1242	473940	0.02	ug/g		<0.02	<0.02
Aroclor 1248	473940	0.02	ug/g		<0.02	<0.02
Aroclor 1254	473940	0.02	ug/g		<0.02	<0.02
Aroclor 1260	473940	0.02	ug/g		<0.02	<0.02
Polychlorinated Biphenyls	473940	0.02	ug/g	STD 0.3	<0.02	<0.02

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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Guideline = O.Reg 153-T8-Res/Com

PCBs

Guideline = O.Reg 153-T8-Res/Com					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761411 Soil153	1761414 Soil153
<u>PCBs</u>						2025-04-03	2025-04-03
Analyte	Batch No	MRL	Units	Guideline		TP4	TP7
Aroclor 1242	474010	0.02	ug/g			<0.02	<0.02
Aroclor 1248	474010	0.02	ug/g			<0.02	<0.02
Aroclor 1254	474010	0.02	ug/g		<0.02	<0.02	
Aroclor 1260	474010	0.02	ug/g		<0.02	<0.02	
Polychlorinated Biphenyls	474010	0.02	ug/g	STD 0.3	<0.02	<0.02	

PCBs

<u>PCBs</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761421 Soil153 2025-04-03 DUP4
Analyte	Batch No	MRL	Units	Guideline		
Aroclor 1242	473940	0.02	ug/g		<0.02	
Aroclor 1248	473940	0.02	ug/g		<0.02	
Aroclor 1254	473940	0.02	ug/g		<0.02	
Aroclor 1260	473940	0.02	ug/g		<0.02	
Polychlorinated Biphenyls	473940	0.02	ug/g	STD 0.3	<0.02	

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Guideline = O.Reg 153-T8-Res/Com

PCB Surrogate

Lab I.D. 1761405
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. BH10 SS1

Analyte Batch No MRL Units Guideline

Decachlorobiphenyl	474011	0	%	111
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PCB Surrogate

Lab I.D. 1761407	1761408	1761409	1761410
Sample Matrix Soil153	Soil153	Soil153	Soil153
Sample Type			
Sample Date 2025-04-03	2025-04-03	2025-04-03	2025-04-03
Sampling Time			
Sample I.D. BH11 SS1	TP1	TP2	TP3

Analyte Batch No MRL Units Guideline

Decachlorobiphenyl	473940	0	%			57	67	
	474011	0	%		51			131

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COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

PCB Surrogate

Guideline = O.Reg 153-T8-Res/Com									
Analyte	Batch No	MRL	Units	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761411 Soil153	1761412 Soil153	1761413 Soil153	1761414 Soil153	1761415 Soil153
				Guideline	2025-04-03 TP4	2025-04-03 TP5	2025-04-03 TP6	2025-04-03 TP7	2025-04-03 TP8
Decachlorobiphenyl	474010	0	%		90			66	
	474011	0	%			117	68		64

PCB Surrogate

<u>PCB Surrogate</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761416 Soil153 2025-04-03 TP9	1761417 Soil153 2025-04-03 TP11	1761418 Soil153 2025-04-03 DUP1
Analyte	Batch No	MRL	Units	Guideline				
Decachlorobiphenyl	474011	0	%			86	113	71

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Guideline = O.Reg 153-T8-Res/Com

PCB Surrogate

Lab I.D. 1761421
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. DUP4

Analyte	Batch No	MRL	Units	Guideline
Decachlorobiphenyl	473940	0	%	60

PHC Surrogate

Lab I.D. 1761396
Sample Matrix Soil153
Sample Type 1761397
Sample Date 2025-04-03
Sampling Time 2025-04-03
Sample I.D. 1761398
BH1 SS1 1761399
BH2 SS1 1761399
BH3 SS1 1761399
BH4 SS3 1761400
BH4 SS1 2025-04-03

Analyte	Batch No	MRL	Units	Guideline	1761396 Soil153 2025-04-03 BH1 SS1	1761397 Soil153 2025-04-03 BH2 SS1	1761398 Soil153 2025-04-03 BH3 SS1	1761399 Soil153 2025-04-03 BH4 SS3	1761400 Soil153 2025-04-03 BH4 SS1
Alpha-androstrane	473834	0	%				128		
	473836	0	%		113	110		124	
	474021	0	%						137

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Guideline = O.Reg 153-T8-Res/Com

PHC Surrogate

Guideline = O.Reg 153-T8-Res/Com					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761401	1761403
<u>PHC Surrogate</u>						Soil153	Soil153
						2025-04-03	2025-04-03
						BH6 SS1	BH8 SS1
Analyte	Batch No	MRL	Units	Guideline			
Alpha-androstrane	473974	0	%		116		
	473976	0	%			104	

PHC Surrogate

<u>PHC Surrogate</u>					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1761406 Soil153	1761408 Soil153	1761409 Soil153
Analyte	Batch No	MRL	Units	Guideline	2025-04-03 BH5 SS1	2025-04-03 TP1	2025-04-03 TP2	
Alpha-androstrane	473974	0	%		98		129	
	473976	0	%			91		

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COC #: 233056

Guideline = O.Reg 153-T8-Res/Com

PHC Surrogate

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761419
Soil153
2025-04-03
DUP2

Analyte	Batch No	MRL	Units	Guideline
Alpha-androstrane	473976	0	%	110

VOCs Surrogates

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761396 Soil153	1761397 Soil153	1761398 Soil153	1761399 Soil153	1761400 Soil153
2025-04-03	2025-04-03	2025-04-03	2025-04-03	2025-04-03
BH1 SS1	BH2 SS1	BH3 SS1	BH4 SS3	BH4 SS1

Analyte	Batch No	MRL	Units	Guideline					
1,2-dichloroethane-d4	473985	0	%					117	120
4-bromofluorobenzene	473985	0	%					90	83
Toluene-d8	473985	0	%		88	85	89	88	92

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VOCs Surrogates

Analyte Batch No MRL Units Guideline

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761401 Soil153	1761403 Soil153
2025-04-03	2025-04-03
BH6 SS1	BH8 SS1

Toluene-d8	473985	0	%		89	91
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VOCs Surrogates

Analyte Batch No MRL Units Guideline

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761406 Soil153	1761408 Soil153	1761409 Soil153
2025-04-03	2025-04-03	2025-04-03
BH5 SS1	TP1	TP2

Toluene-d8	473985	0	%		98	85	92
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VOCs Surrogates

Lab I.D. 1761419
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-03
Sampling Time
Sample I.D. DUP2

Analyte	Batch No	MRL	Units	Guideline	
1,2-dichloroethane-d4	473985	0	%		117
4-bromofluorobenzene	473985	0	%		84
Toluene-d8	473985	0	%		95

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Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
473834	PHC's F2	<2 ug/g	105	80-120	67	60-140	0	0-30
473834	PHC's F3	<20 ug/g	105	80-120	67	60-140	0	0-30
473834	PHC's F4	<20 ug/g	105	80-120	67	60-140	0	0-30
473834	Moisture-Humidite	<0.1 %	100	80-120			6	
473836	PHC's F2	<2 ug/g	85	80-120	92	60-140	0	0-30
473836	PHC's F3	<20 ug/g	85	80-120	92	60-140	0	0-30
473836	PHC's F4	<20 ug/g	85	80-120	92	60-140	0	0-30
473836	Moisture-Humidite	<0.1 %	100	80-120			4	
473837	pH - CaCl2	5.10	99	90-110			0	
473881	Boron (Hot Water Soluble)	<0.25 ug/g	97	70-130	113	60-140	0	0-30
473896	Methlynaphthalene, 1-	<0.05 ug/g	88	50-140	78	50-140	0	0-40
473896	Methlynaphthalene, 2-	<0.05 ug/g	53	50-140	66	50-140	0	0-40
473896	Acenaphthene	<0.05 ug/g	74	50-140	65	50-140	0	0-40
473896	Acenaphthylene	<0.05 ug/g	67	50-140	51	50-140	0	0-40
473896	Anthracene	<0.05 ug/g	72	50-140	73	50-140	0	0-40
473896	Benz[a]anthracene	<0.05 ug/g	71	50-140	72	50-140	0	0-40
473896	Benzo[a]pyrene	<0.05 ug/g	67	50-140	75	50-140	0	0-40
473896	Benzo[b]fluoranthene	<0.05 ug/g	69	50-140	80	50-140	0	0-40
473896	Benzo[ghi]perylene	<0.05 ug/g	67	50-140	61	50-140	0	0-40
473896	Benzo[k]fluoranthene	<0.05 ug/g	70	50-140	63	50-140	0	0-40
473896	Chrysene	<0.05 ug/g	84	50-140	76	50-140	0	0-40
473896	Dibenz[a h]anthracene	<0.05 ug/g	72	50-140	68	50-140	0	0-40
473896	Fluoranthene	<0.05 ug/g	71	50-140	77	50-140	0	0-40
473896	Fluorene	<0.05 ug/g	69	50-140	59	50-140	0	0-40
473896	Indeno[1 2 3-cd]pyrene	<0.05 ug/g	65	50-140	60	50-140	0	0-40
473896	Naphthalene	<0.013 ug/g	70	50-140	65	50-140	0	0-40
473896	Phenanthrene	<0.05 ug/g	68	50-140	73	50-140	0	0-40
473896	Pyrene	<0.05 ug/g	71	50-140	78	50-140	0	0-40
473897	1+2-methylnaphthalene							
473898	pH - CaCl2	5.35	99	90-110			0	
473911	Chromium VI	<0.20 ug/g	98	70-130	83	70-130	0	0-35
473940	Aroclor 1242	<0.02 ug/g	85	60-140	87	60-140	0	0-40

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COC #: 233056

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
473940	Aroclor 1248	<0.02 ug/g	N/A	60-140	N/A	60-140	0	0-40
473940	Aroclor 1254	<0.02 ug/g	N/A	60-140	N/A	60-140	0	0-40
473940	Aroclor 1260	<0.02 ug/g	83	60-140	80	60-140	0	0-40
473940	Polychlorinated Biphenyls	<0.02 ug/g	84	60-140	84	60-140	0	0-40
473951	Cyanide (CN-)	<0.005 ug/g	89	75-125	104	70-130	0	0-20
473968	Silver	<0.2 ug/g	87	70-130	111	70-130	0	0-30
473968	Arsenic	<1 ug/g	98	70-130	105	70-130	0	0-30
473968	Boron (total)	<5 ug/g	96	70-130	136	70-130	0	0-30
473968	Barium	<1 ug/g	99	70-130	210	70-130	4	0-30
473968	Beryllium	<1 ug/g	99	70-130	95	70-130	0	0-30
473968	Cadmium	<0.4 ug/g	101	70-130	125	70-130	0	0-30
473968	Cobalt	<1 ug/g	101	70-130	106	70-130	3	0-30
473968	Chromium Total	<1 ug/g	103	70-130	131	70-130	5	0-30
473968	Copper	<1 ug/g	106	70-130	131	70-130	2	0-30
473968	Mercury	<0.1 ug/g	100	70-130	90	70-130	0	0-30
473968	Molybdenum	<1 ug/g	93	70-130	99	70-130	0	0-30
473968	Nickel	<1 ug/g	103	70-130	115	70-130	6	0-30
473968	Lead	<1 ug/g	104	70-130	115	70-130	3	0-30
473968	Antimony	<1 ug/g	82	70-130	102	70-130	0	0-30
473968	Selenium	<0.5 ug/g	103	70-130	107	70-130	0	0-30
473968	Thallium	<1 ug/g	104	70-130	102	70-130	0	0-30
473968	Uranium	<0.5 ug/g	93	70-130	102	70-130	0	0-30
473968	Vanadium	<2 ug/g	98	70-130	139	70-130	2	0-30
473968	Zinc	<2 ug/g	106	70-130	305	70-130	3	0-30
473974	PHC's F2	<2 ug/g	86	80-120	66	60-140	0	0-30
473974	PHC's F3	<20 ug/g	86	80-120	66	60-140	0	0-30
473974	PHC's F4	<20 ug/g	86	80-120	66	60-140	0	0-30
473974	Moisture-Humidite	<0.1 %	100	80-120			16	
473976	PHC's F2	<2 ug/g	116	80-120	80	60-140	0	0-30
473976	PHC's F3	<20 ug/g	116	80-120	80	60-140	0	0-30
473976	PHC's F4	<20 ug/g	116	80-120	80	60-140	0	0-30
473976	Moisture-Humidite	<0.1 %	100	80-120			11	
473985	Tetrachloroethane, 1,1,1,2-	<0.05 ug/g	98	60-130	81	50-140	0	0-50

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Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
473985	Trichloroethane, 1,1,1-	<0.05 ug/g	106	60-130	86	50-140	0	0-50
473985	Tetrachloroethane, 1,1,2,2-	<0.05 ug/g	85	60-130	108	50-140	0	0-30
473985	Trichloroethane, 1,1,2-	<0.05 ug/g	93	60-130	88	50-140	0	0-50
473985	Dichloroethane, 1,1-	<0.05 ug/g	122	60-130	84	50-140	0	0-50
473985	Dichloroethylene, 1,1-	<0.05 ug/g	98	60-130	86	50-140	0	0-50
473985	Dichlorobenzene, 1,2-	<0.05 ug/g	96	60-130	128	50-140	0	0-50
473985	Dichloroethane, 1,2-	<0.05 ug/g	104	60-130	83	50-140	0	0-50
473985	Dichloropropane, 1,2-	<0.05 ug/g	91	60-130	92	50-140	0	0-50
473985	Dichlorobenzene, 1,3-	<0.05 ug/g	100	60-130	78	50-140	0	0-50
473985	Dichlorobenzene, 1,4-	<0.05 ug/g	98	60-130	85	50-140	0	0-50
473985	Acetone	<0.50 ug/g	87	60-130	92	50-140	0	0-50
473985	Benzene	<0.0068	110	60-130	82	50-140	0	0-50
473985	Bromodichloromethane	<0.05 ug/g	105	60-130	79	50-140	0	0-50
473985	Bromoform	<0.05 ug/g	99	60-130	98	50-140	0	0-50
473985	Bromomethane	<0.05 ug/g	107	60-130	87	50-140	0	0-50
473985	Dichloroethylene, 1,2-cis-	<0.05 ug/g	116	60-130	83	50-140	0	0-50
473985	Dichloropropene, 1,3-cis-	<0.05 ug/g	91	60-130	112	50-140	0	0-50
473985	Carbon Tetrachloride	<0.05 ug/g	102	60-130	88	50-140	0	0-50
473985	Chloroform	<0.05 ug/g	116	60-130	84	50-140	0	0-50
473985	Dibromochloromethane	<0.05 ug/g	95	60-130	118	50-140	0	0-50
473985	Dichlorodifluoromethane	<0.05 ug/g	113	60-130	111	50-140	0	0-50
473985	Methylene Chloride	<0.05 ug/g	77	60-130	101	50-140	0	0-50
473985	Ethylbenzene	<0.018 ug/g	101	60-130	84	50-140	0	0-50
473985	Ethylene dibromide	<0.05 ug/g	96	60-130	121	50-140	0	0-50
473985	Hexane (n)	<0.05 ug/g	103	60-130	75	50-140	0	0-50
473985	Xylene, m/p-	<0.05 ug/g	104	60-130	97	50-140	0	0-50
473985	Methyl Ethyl Ketone	<0.50 ug/g	83	60-130	105	50-140	0	0-50
473985	Methyl Isobutyl Ketone	<0.50 ug/g	88	60-130	91	50-140	0	0-50
473985	Methyl tert-Butyl Ether (MTBE)	<0.05 ug/g	93	60-130	76	50-140	0	0-50
473985	Chlorobenzene	<0.05 ug/g	102	60-130	83	50-140	0	0-50
473985	Xylene, o-	<0.05 ug/g	102	60-130	122	50-140	0	0-50
473985	Styrene	<0.05 ug/g	100	60-130	118	50-140	0	0-50
473985	Dichloroethylene, 1,2-trans-	<0.05 ug/g	113	60-130	80	50-140	0	0-50

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Project: 2407688
COC #: 233056

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
473985	Dichloropropene, 1,3-trans-	<0.05 ug/g	92	60-130	81	50-140	0	0-50
473985	Tetrachloroethylene	<0.05 ug/g	102	60-130	86	50-140	0	0-50
473985	Toluene	<0.08 ug/g	99	60-130	90	50-140	0	0-50
473985	Trichloroethylene	<0.01 ug/g	96	60-130	81	50-140	0	0-50
473985	Trichlorofluoromethane	<0.05 ug/g	105	60-130	88	50-140	0	0-50
473985	Vinyl Chloride	<0.02 ug/g	107	60-130	88	50-140	0	0-50
473989	PHC's F1	<10 ug/g	96	80-120	106	60-140	0	0-30
473990	Xylene Mixture							
473993	PHC's F1-BTEX							
473995	Dichloropropene, 1,3-							
474003	Electrical Conductivity	<0.05	100	90-110			0	0-10
474006	Sodium Adsorption Ratio	<0.01					13	
474010	Chlordane, alpha-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Aldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Aroclor 1242	<0.02 ug/g	85	60-140	87	60-140	0	0-40
474010	Aroclor 1248	<0.02 ug/g	N/A	60-140	N/A	60-140	0	0-40
474010	Aroclor 1254	<0.02 ug/g	N/A	60-140	N/A	60-140	0	0-40
474010	Aroclor 1260	<0.02 ug/g	83	60-140	80	60-140	0	0-40
474010	Chlordane	<0.006 ug/g					0	
474010	Dieldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Endosulfan	<0.004 ug/g					0	
474010	Endosulfan I	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474010	Endosulfan II	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Endrin	<0.002 ug/g	90	50-140	90	50-140	0	0-40
474010	Hexachlorocyclohexane Gamma-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Chlordane, gamma-	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474010	Heptachlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Heptachlor Epoxide	<0.002 ug/g	90	50-140	95	50-140	0	0-40
474010	Hexachlorobenzene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474010	Hexachlorobutadiene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474010	Hexachloroethane	<0.002 ug/g	100	50-140	90	50-140	0	0-40
474010	Methoxychlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	Polychlorinated Biphenyls	<0.02 ug/g	84	60-140	84	60-140	0	0-40

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Quality Assurance Summary

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474010	DDD	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474010	DDE	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474010	DDT	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Chlordane, alpha-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Aldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Chlordane	<0.006 ug/g					0	
474011	Dieldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Endosulfan	<0.004 ug/g					0	
474011	Endosulfan I	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474011	Endosulfan II	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Endrin	<0.002 ug/g	90	50-140	90	50-140	0	0-40
474011	Hexachlorocyclohexane Gamma-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Chlordane, gamma-	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474011	Heptachlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	Heptachlor Epoxide	<0.002 ug/g	90	50-140	95	50-140	0	0-40
474011	Hexachlorobenzene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474011	Hexachlorobutadiene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474011	Hexachloroethane	<0.002 ug/g	100	50-140	90	50-140	0	0-40
474011	Methoxychlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	DDD	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474011	DDE	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474011	DDT	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474016	Boron (Hot Water Soluble)	<0.25 ug/g	101	70-130	107	60-140	0	0-30
474021	PHC's F3	<20 ug/g	114	80-120	90	60-140	0	0-30
474022	PHC's F2-Napth							
474024	PHC's F3-PAH							

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Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
473834	PHC's F2	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473834	PHC's F3	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473834	PHC's F4	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473834	Moisture-Humidite	Oven	2025-04-09	2025-04-10	D_T	ASTM 2216
473836	PHC's F2	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473836	PHC's F3	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473836	PHC's F4	GC/FID	2025-04-09	2025-04-10	D_T	CCME
473836	Moisture-Humidite	Oven	2025-04-09	2025-04-10	D_T	ASTM 2216
473837	pH - CaCl2	pH Meter	2025-04-10	2025-04-10	IP	AG Soil
473881	Boron (Hot Water Soluble)	iCAP OES	2025-04-10	2025-04-10	Z_S	MOECC E3470
473896	Methylnaphthalene, 1-	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Methylnaphthalene, 2-	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Acenaphthene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Acenaphthylene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Anthracene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Benz[a]anthracene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Benzo[a]pyrene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Benzo[b]fluoranthene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Benzo[ghi]perylene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Benzo[k]fluoranthene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Chrysene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Dibenz[a h]anthracene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Fluoranthene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Fluorene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Indeno[1 2 3-cd]pyrene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Naphthalene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Phenanthrene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473896	Pyrene	GC-MS	2025-04-09	2025-04-10	C_M	P 8270
473897	1+2-methylnaphthalene	GC-MS	2025-04-11	2025-04-11	C_M	P 8270
473898	pH - CaCl2	pH Meter	2025-04-11	2025-04-11	IP	AG Soil
473911	Chromium VI	Ion Chromatography	2025-04-11	2025-04-14	IP	SM3500-CR C,EPA 3060
473940	Aroclor 1242	GC/ECD	2025-04-10	2025-04-10	D_T	EPA 8081B/8082A

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Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
473940	Aroclor 1248	GC/ECD	2025-04-10	2025-04-10	D_T	EPA 8081B/8082A
473940	Aroclor 1254	GC/ECD	2025-04-10	2025-04-10	D_T	EPA 8081B/8082A
473940	Aroclor 1260	GC/ECD	2025-04-10	2025-04-10	D_T	EPA 8081B/8082A
473940	Polychlorinated Biphenyls	GC/ECD	2025-04-10	2025-04-10	D_T	EPA 8081B/8082A
473951	Cyanide (CN-)	Skalar CN Analyzer	2025-04-12	2025-04-12	EvS	MOECC E3015
473968	Silver	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Arsenic	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Boron (total)	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Barium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Beryllium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Cadmium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Cobalt	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Chromium Total	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Copper	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Mercury	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Molybdenum	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Nickel	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Lead	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Antimony	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Selenium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Thallium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Uranium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Vanadium	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473968	Zinc	ICAPQ-MS	2025-04-13	2025-04-13	AaN	EPA 200.8/6020
473974	PHC's F2	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473974	PHC's F3	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473974	PHC's F4	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473974	Moisture-Humidite	Oven	2025-04-11	2025-04-14	D_T	ASTM 2216
473976	PHC's F2	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473976	PHC's F3	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473976	PHC's F4	GC/FID	2025-04-11	2025-04-14	D_T	CCME
473976	Moisture-Humidite	Oven	2025-04-11	2025-04-14	D_T	ASTM 2216
473985	Tetrachloroethane, 1,1,1,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B

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PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
Date Reported: 2025-04-14
Project: 2407688
COC #: 233056

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
473985	Trichloroethane, 1,1,1-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Tetrachloroethane, 1,1,2,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Trichloroethane, 1,1,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloroethane, 1,1-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloroethylene, 1,1-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichlorobenzene, 1,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloroethane, 1,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloropropane, 1,2-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichlorobenzene, 1,3-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichlorobenzene, 1,4-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Acetone	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Benzene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Bromodichloromethane	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Bromoform	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Bromomethane	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloroethylene, 1,2-cis-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloropropene, 1,3-cis-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Carbon Tetrachloride	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Chloroform	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dibromochloromethane	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichlorodifluoromethane	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Methylene Chloride	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Ethylbenzene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Ethylene dibromide	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Hexane (n)	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Xylene, m/p-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Methyl Ethyl Ketone	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Methyl Isobutyl Ketone	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Methyl tert-Butyl Ether (MTBE)	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Chlorobenzene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Xylene, o-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Styrene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Dichloroethylene, 1,2-trans-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015226
Date Submitted: 2025-04-07
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Project: 2407688
COC #: 233056

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
473985	Dichloropropene, 1,3-trans-	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Tetrachloroethylene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Toluene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Trichloroethylene	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Trichlorofluoromethane	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473985	Vinyl Chloride	GC-MS	2025-04-04	2025-04-11	H_S	V 8260B
473989	PHC's F1	GC/FID	2025-04-14	2025-04-14	H_S	CCME
473990	Xylene Mixture	GC-MS	2025-04-14	2025-04-14	H_S	V 8260B
473993	PHC's F1-BTEX	GC/FID	2025-04-14	2025-04-14	H_S	CCME
473995	Dichloropropene, 1,3-	GC-MS	2025-04-14	2025-04-14	H_S	V 8260B
474003	Electrical Conductivity	Electrical Conductivity Meter	2025-04-13	2025-04-13	Z_S	Cond-Soil
474006	Sodium Adsorption Ratio	iCAP OES	2025-04-14	2025-04-14	Z_S	Ag Soil
474010	Chlordane, alpha-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Aldrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Aroclor 1242	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Aroclor 1248	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Aroclor 1254	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Aroclor 1260	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Chlordane	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Dieldrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Endosulfan	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Endosulfan I	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Endosulfan II	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Endrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Hexachlorocyclohexane Gamma-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Chlordane, gamma-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Heptachlor	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Heptachlor Epoxide	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Hexachlorobenzene	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Hexachlorobutadiene	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Hexachloroethane	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Methoxychlor	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	Polychlorinated Biphenyls	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A

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COC #: 233056

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
474010	DDD	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	DDE	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474010	DDT	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Chlordane, alpha-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Aldrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Chlordane	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Dieldrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Endosulfan	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Endosulfan I	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Endosulfan II	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Endrin	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Hexachlorocyclohexane Gamma-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Chlordane, gamma-	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Heptachlor	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Heptachlor Epoxide	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Hexachlorobenzene	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Hexachlorobutadiene	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Hexachloroethane	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	Methoxychlor	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	DDD	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	DDE	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474011	DDT	GC/ECD	2025-04-11	2025-04-14	Mal	EPA 8081B/8082A
474016	Boron (Hot Water Soluble)	iCAP OES	2025-04-14	2025-04-14	Z_S	MOECC E3470
474021	PHC's F3	GC/FID	2025-04-11	2025-04-14	D_T	CCME
474022	PHC's F2-Napth	GC/FID	2025-04-14	2025-04-14	D_T	CCME
474024	PHC's F3-PAH	GC/FID	2025-04-14	2025-04-14	D_T	CCME

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

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CWS for Petroleum Hydrocarbons in Soil - Tier 1

Notes:

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

CLIENT INFORMATION				INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES ☒ NO ☐								
Company: <u>GFI Consultants</u>				Company:								
Contact: <u>Aamna Arora</u>				Contact:		Email: #1:						
Address: <u>650 Woodlawn Road West, Block C, Guelph</u>				Address:		Email: #2:						
Telephone: <u>416 710 0016</u>				Telephone:		P.O. #:						
Email: #1: <u>aarora@geiconsultants.com</u>				REGULATION/GUIDELINE REQUIRED ☐ Sanitary Sewer, City: ☐ Storm Sewer, City: ☐ ODS/SDG (Use the CDC's samples are for human consumption) ☐ PWQD ☐ O.Reg. 347 (TCIP) ☐ Other:								
Email: #2: <u>cmistry@geiconsultants.com</u>												
Project: <u>2407688</u> Quote #: <u>192092</u>												
TURN-AROUND TIME (Business Days) ☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☒ 5-7 Days (Standard)				☒ O. Reg. 153/04 The sample results from this submission will form part of a formal Record of Site Condition (ROSC) under O. Reg. 153/04. Analysis of full parameter set only. Yes ☐ No ☐								
Please contact Lab in advance to determine rush availability. **For results reported after rush due date, surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **For results reported after rush due date, surcharges will apply: before 12:00 - 50%, after 12:00 - 25%. *RUSH, SPUR, P&AS, and NP/NPE the rush surcharges are 100% (3 day) and 50% (4 day). For farm soils the rush surcharge is 100% (5-7 days). Regular TAT is 10 days.				☐ O. Reg. 406 Excess Soils Table 4: _____ Soil depth/Strat/Celling/mSP/P leachate Type: Cont/Ind/Res/Par/Agri/All Other Category: Surface/Subsurface								
The optimal temperature conditions during transport is 4 - 10°C. Sample(s) cannot be frozen, unless otherwise indicated or agreed upon with the Laboratory. The CDC must not be used for drinking water samples. The CDC must be complete upon submission of the samples, there will be a \$50 surcharge if required information is missing (required fields are shaded in grey).				Sample Details Field Filtered ☐								
Occasionally, situations arise in which Eurofins Environment Testing Canada (Ottawa) is unable to process a sample after receipt. By signing this chain-of-custody form, the client agrees that Eurofins Environment Testing Canada (Ottawa) may subcontract sample to a laboratory that is similarly accredited. This subcontracted laboratory will perform the same analysis using the same or similar methodology. Agreement made in advance to subcontract to a specific laboratory will be honored.				O. Reg. 153/04 parameters Sample Matrix: <u>Soil</u> # of Containers: <u>2</u> PHC 1 - 19 ☒ <u>2</u> ATX ☒ <u>2</u> VOC ☒ <u>2</u> PAHs ☒ <u>2</u> PCBs ☒ <u>2</u> Metals ☒ <u>2</u> Metals only ☒ <u>2</u> DC Pesticides ☒ <u>2</u>								
Sample ID	Date/Time Collected	Sample Matrix	# of Containers	PHC 1 - 19	ATX	VOC	PAHs	PCBs	Metals	Metals only	DC Pesticides	RNR (Lab Use Only)
BH1 SSI	3 April, 2025	2+2	→	✓	✓				✓			1761396
BH2 SSI		2+2	→	✓	✓				✓			97
BH3 SSI		2+2	→	✓	✓				✓			98
BH4 SSI 3		2+2	→	✓		✓						99
BH5 SSI 1		2+2	→	✓		✓	✓			✓		100
BH6 SSI		2+2	→	✓	✓					✓		101
BH7 SSI		2+2	→				✓		✓			102
BH8 SSI		2+2	→	✓	✓		✓		✓			103
BH9 SSI		2+2	→				✓		✓			104
BH10 SSI		2+2	→						✓	✓		105
Print Name: <u>Chahana, Param</u>		Location: <u>Ottawa</u>		Signature: <u>Cmistry</u>		Date/Time: <u>April 3/2025</u>		Temp (°C): <u>6.7°C</u>		FOR INTERNAL LAB USE ONLY		
Sampled By:												
Relinquished By:												
Received By:												
Received By: <u>Arif Skifter</u>		<u>Ottawa</u>		<u>Arif</u>		<u>2025-04-07</u>		<u>6.7°C</u>				
COMMENTS:												
CUSTODY SEAL: ☐ YES ☐ NO ☒ (by audit) ☒ (by client) ☐ (by lab)												

CLIENT INFORMATION

Company: GIE Consultants
 Contact: Aarna Aora
 Address: 650 Woodlawn Road West Block C Guelph
 Telephone: 416 710 0016
 Email: #1: aarora@geiconsultants.com
 Email: #2: cmistry@geiconsultants.com
 Project: 2407688 Quote #: 192092

TURN-AROUND TIME (Business Days)

☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☒ 5-7 Days (Standard)

Please contact Lab in advance to determine rush availability. *For results reported after rush due date, surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **For results reported after rush due date, surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.

TSP, SPIP, PFAS, and NP/NPE the rush surcharges are 100% (3 days) and 50% (4 days). For Fair soils the rush surcharge is 100% (3-5 days). Regular TAT is 30 days.

The optimal temperature conditions during transport is 4 - 20°C. Sample(s) cannot be frozen, unless otherwise indicated or agreed upon with the Laboratory. This COC must not be used for drinking water samples. The COC must be complete upon submission of the samples, there will be a \$25 surcharge if required information is missing (required fields are shaded in grey).

Occasionally, situations arise in which Eurofins Environment Testing Canada (Ottawa) is unable to process a sample after receipt. By signing this chain-of-custody form, the client agrees that Eurofins Environment Testing Canada (Ottawa) may subcontract samples to a laboratory that is similarly accredited. This subcontracted laboratory will perform the same analysis using the same or similar methodology. Agreements made in advance to subcontract to a specific laboratory will be honored.

Sample Details

Field Filtered →

Occasionally, situations arise in which Eurofins Environment Testing Canada (ETC) will be unable to process a sample after receipt. By signing this certificate of custody form, the client agrees that Eurofins Environment Testing Canada (ETC) may subcontract samples to a laboratory that is externally accredited. This subcontracted laboratory will perform the same analysis using the same or similar methods/bugs. Agreements made in advance to subcontract to a specific laboratory will be honored.			Sample Matrix	# of Containers	O.Reg. 153/04 parameters							OG Pesticide		[Not Use Only]
Sample ID	Date/Time Collected	PRC FL + 66			BATEK	WCE	PAHs	PCBs	Metals + Inorganics	Metals only				
BH5 SSI	3 April 25	Soil	2+2	✓	✓					✓				1761406
BH11 SSI		Soil	2+2							✓				07
TP1		Soil	2+2	✓	✓			✓		✓				08
TP2		Soil	2+2	✓	✓			✓						09
TP3		Soil	2					✓	✓	✓				103
TP4		Soil	2					✓	✓	✓			or added as per client - chyl/BK	11
TP5		Soil	2						✓	✓				12
TP6		Soil	2					✓	✓	✓				13
TP7		Soil	2					✓	✓	✓			added as per client - chyl/BK	14
TP8		Soil	2						✓	✓				15

FRONT NAME

LOCATION

SIGN

DATE/TIME

TEMP (°C)

Sampled By: Chahana Param
 Rediquished By:
 Received By:
 Received By: Butler Shiba Ottawa
 COMMENTS:

INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES ☒ NO ☐

Company:
 Contact:
 Address:
 Telephone:
 Email: #1:
 Email: #2:
 PO #:

REGULATION/GUIDELINE REQUIRED

☐ Sanitary Sewers, City:
☐ Storm Sewer, City:
☐ COSQS (i.e. DWQ) (if samples are for human consumption)
☐ PWQS
☐ O.Reg. 347 (TSP)
☐ Other:
☒ O. Reg. 153/04
 The sample results from this submission will form part of a formal Record of the Condition (ROC) under O.Reg. 153/04. Analysis of full characteristics only.
 Yes ☐ No ☐
☐ O. Reg. 406 Excess Soils
 Table # _____ Full depth/Strat/Ceiling/MSLPL Leasehold
 Type: Com-Ind / Res-Par / Agri / All Other
 Category: Surface / Subsurface

CUSTODY SEAL: ☐ YES ☐ NO (for products only) ☒ YES ☐ NO

Company:		
Contact:		Email: #1
Address:		Email: #2
Telephone:		Phone:

REGULATION/GUIDELINE REQUIRED

☐ Sanitary Sewer, City: _____

☐ Storm Sewer, City: _____

☐ GWSOD (the DWR CEC II examples are for human excrement)

☐ PWQD

☐ D.Reg. 247 (TCLP)

☐ Other: _____

☒ O. Reg. 153/04

2 RPI

The sample results from this submission will form part of a formal record of the condition (RCC) under CReg. 15(2)(a).
Analysis of this parameter (th) only

Yes ☐ No ☐

Q. Reg 406 Excess Sails

Table R _____ Full depth/Strat/Ce/Ing/mSPLP Leachate
Type: Com-Ind./Res-Park/Agri/All Other
Category: Surface/Subsurface

TURN-AROUND TIME (Business Days)☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☒ 5-7 Days (Standard)

Please contact Lab in advance to determine rush availability. *For results reported after rush due date, surcharges will apply: before 12:00 = 100%, after 12:00 = 50%. **For results reported after rush due date, surcharges will apply: before 12:00 = 50%, after 12:00 = 35%.

TCLP, SPLP, PFAS, and NP/MP: the fish surcharges are 100% (3 day) and 50% (6 day). For farm sold the fish surcharge is 100% (3-5 days). Regular TAT is 10 days.

The optimal temperature conditions during transport is 5 - 10°C. Sample(s) cannot be frozen, unless otherwise indicated or agreed upon with the laboratory. This CDC must not be used for drinking water samples. The CDC must be complete upon submission of the samples, there will be a \$25 surcharge if required information/enquiries are incomplete are shaded in grey.

Sample Details

Field Entered ->

Org. 153/04 parameters

RNA
(Lab Use Only)

Occasionally, situations arise in which a testing environment involving Canada (CITN) is unable to process a sample of that material. By signing this chain-of-custody form, you have agreed that a Testing Environment (Testing Canada (CITN)) may submit test samples to a laboratory where it is similarly accredited. This subcontracted laboratory will perform the same analysis using the same or similar methodology. Agreements made in advance to subcontract to a specific laboratory will be honored.

Sample ID	Date/Time Collected
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TP 9	3 April 25	coil 2					✓	✓		1761416
TP 11		coil 2					✓	✓		1761417
DUP1		1 1+2					✓	✓	1 jar submitted - 5/17/25	18
DUP2		1 1+2	✓		✓					19
DUP3		1 1+2			✓		✓			20
DUP4		1 1+2	✓		✓				1 jar submitted - 5/17/25	21

	PRINT NAME	LOCATION	SIGN	DATE/TIME	TEMP (°C)
Sampled By:	Chahana, Param		<i>Cymistap</i>		
Relinquished By:					
Received By:					
Received By:	Ashel Shinn	Ottawa	<i>Ashel</i>	2025-04-07	6.7°C

CUSTODY SEAL: ☐ YES ☐ NO ☐ (if broken) ☒ (if not) ☐ (if not)

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3015283
Date Submitted: 2025-04-08
Date Reported: 2025-04-15
Project: 2407688 (TACC
Property)
COC #: 919721
Temperature (C): 8
Custody Seal:

Page 1 of 15

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1761669 BH12-SS2 Metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 19.rpt

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Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria

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Guideline = Excess Soil-T1-Res/Park/Inst/Ind/Cml/Co

Hydrocarbons

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte Batch No MRL Units Guideline

PHC's F1	474084	10	ug/g	STD 25	<10
PHC's F1-BTEX	474091	10	ug/g		<10
PHC's F2	474077	2	ug/g	STD 10	<2
PHC's F2-Naph	474103	2	ug/g		<2
PHC's F3	474077	20	ug/g	STD 240	<20
PHC's F3-PAH	474104	20	ug/g		<20
PHC's F4	474077	20	ug/g	STD 120	<20

Metals

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte Batch No MRL Units Guideline

Antimony	474002	1	ug/g	STD 1.3	<1
Arsenic	474002	1	ug/g	STD 18	5
Barium	474002	1	ug/g	STD 220	45
Beryllium	474002	1	ug/g	STD 2.5	<1
Boron (total)	474002	5	ug/g	STD 36	6
Cadmium	474002	0.4	ug/g	STD 1.2	<0.4
Chromium Total	474002	1	ug/g	STD 70	19
Cobalt	474002	1	ug/g	STD 21	10
Copper	474002	1	ug/g	STD 92	21
Lead	474002	1	ug/g	STD 120	10
Molybdenum	474002	1	ug/g	STD 2	<1
Nickel	474002	1	ug/g	STD 82	18

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational
Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim
Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial
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Metals

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline	
Selenium	474002	0.5	ug/g	STD 1.5	<0.5
Silver	474002	0.2	ug/g	STD 0.5	<0.2
Thallium	474002	1	ug/g	STD 1	<1
Uranium	474002	0.5	ug/g	STD 2.5	<0.5
Vanadium	474002	2	ug/g	STD 86	28
Zinc	474002	2	ug/g	STD 290	50

PAH

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline	
1+2-methylnaphthalene	474035	0.05	ug/g	STD 0.59	<0.05
Acenaphthene	474033	0.05	ug/g	STD 0.072	<0.05
Acenaphthylene	474033	0.05	ug/g	STD 0.093	<0.05
Anthracene	474033	0.05	ug/g	STD 0.16	<0.05
Benz[a]anthracene	474033	0.05	ug/g	STD 0.36	<0.05
Benzo[a]pyrene	474033	0.05	ug/g	STD 0.3	<0.05
Benzo[b]fluoranthene	474033	0.05	ug/g	STD 0.47	<0.05
Benzo[ghi]perylene	474033	0.05	ug/g	STD 0.68	<0.05
Benzo[k]fluoranthene	474033	0.05	ug/g	STD 0.48	<0.05
Chrysene	474033	0.05	ug/g	STD 2.8	<0.05
Dibenz[a h]anthracene	474033	0.05	ug/g	STD 0.1	<0.05
Fluoranthene	474033	0.05	ug/g	STD 0.56	<0.05
Fluorene	474033	0.05	ug/g	STD 0.12	<0.05

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Guideline = Excess Soil-T1-Res/Park/Inst/Ind/Cml/Co

PAH

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline	
Indeno[1 2 3-cd]pyrene	474033	0.05	ug/g	STD 0.23	<0.05
Methlynaphthalene, 1-	474033	0.05	ug/g		<0.05
Methlynaphthalene, 2-	474033	0.05	ug/g		<0.05
Naphthalene	474033	0.013	ug/g	STD 0.09	<0.013
Phenanthrene	474033	0.05	ug/g	STD 0.69	<0.05
Pyrene	474033	0.05	ug/g	STD 1	<0.05

Volatiles

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline	
Acetone	474082	0.50	ug/g	STD 0.5	<0.50
Benzene	474082	0.0068	ug/g	STD 0.02	<0.0068
Bromodichloromethane	474082	0.05	ug/g	STD 0.05	<0.05
Bromoform	474082	0.05	ug/g	STD 0.05	<0.05
Bromomethane	474082	0.05	ug/g	STD 0.05	<0.05
Carbon Tetrachloride	474082	0.05	ug/g	STD 0.05	<0.05
Chlorobenzene	474082	0.05	ug/g	STD 0.05	<0.05
Chloroform	474082	0.05	ug/g	STD 0.05	<0.05
Dibromochloromethane	474082	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,2-	474082	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,3-	474082	0.05	ug/g	STD 0.05	<0.05
Dichlorobenzene, 1,4-	474082	0.05	ug/g	STD 0.05	<0.05
Dichlorodifluoromethane	474082	0.05	ug/g	STD 0.05	<0.05

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Project: 2407688 (TACC
Property)
COC #: 919721

Guideline = Excess Soil-T1-Res/Park/Inst/Ind/Cml/Co

Volatiles

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline	
Dichloroethane, 1,1-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloroethane, 1,2-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,1-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,2-cis-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloroethylene, 1,2-trans-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloropropane, 1,2-	474082	0.05	ug/g	STD 0.05	<0.05
Dichloropropene,1,3-	474088	0.05	ug/g	STD 0.05	<0.05
Dichloropropene,1,3-cis-	474082	0.05	ug/g		<0.05
Dichloropropene,1,3-trans-	474082	0.05	ug/g		<0.05
Ethylbenzene	474082	0.018	ug/g	STD 0.05	<0.018
Ethylene dibromide	474082	0.05	ug/g	STD 0.05	<0.05
Hexane (n)	474082	0.05	ug/g	STD 0.05	<0.05
Methyl Ethyl Ketone	474082	0.50	ug/g	STD 0.5	<0.50
Methyl Isobutyl Ketone	474082	0.50	ug/g	STD 0.5	<0.50
Methyl tert-Butyl Ether (MTBE)	474082	0.05	ug/g	STD 0.05	<0.05
Methylene Chloride	474082	0.05	ug/g	STD 0.05	<0.05
Styrene	474082	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethane, 1,1,1,2-	474082	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethane, 1,1,2,2-	474082	0.05	ug/g	STD 0.05	<0.05
Tetrachloroethylene	474082	0.05	ug/g	STD 0.05	<0.05
Toluene	474082	0.08	ug/g	STD 0.2	<0.08
Trichloroethane, 1,1,1-	474082	0.05	ug/g	STD 0.05	<0.05
Trichloroethane, 1,1,2-	474082	0.05	ug/g	STD 0.05	<0.05

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Property)
COC #: 919721

Guideline = Excess Soil-T1-Res/Park/Inst/Ind/Cml/Co

Volatiles

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline
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Trichloroethylene	474082	0.01	ug/g	STD 0.05	<0.01
Trichlorofluoromethane	474082	0.05	ug/g	STD 0.25	<0.05
Vinyl Chloride	474082	0.02	ug/g	STD 0.02	<0.02
Xylene Mixture	474085	0.05	ug/g	STD 0.05	<0.05
Xylene, m/p-	474082	0.05	ug/g		<0.05
Xylene, o-	474082	0.05	ug/g		<0.05

Moisture

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline
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Moisture-Humidite	474077	0.1	%		12.4
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PHC Surrogate

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline
Alpha-androstrane	474077	0	%	93

VOCs Surrogates

Lab I.D. 1761669
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-02
Sampling Time
Sample I.D. BH12-SS2

Analyte	Batch No	MRL	Units	Guideline
1,2-dichloroethane-d4	474082	0	%	118
4-bromofluorobenzene	474082	0	%	83
Toluene-d8	474082	0	%	100

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Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
474002	Silver	<0.2 ug/g	86	70-130	102	70-130	0	0-30
474002	Arsenic	<1 ug/g	97	70-130	98	70-130	0	0-30
474002	Boron (total)	<5 ug/g	99	70-130	139	70-130	0	0-30
474002	Barium	<1 ug/g	97	70-130	138	70-130	1	0-30
474002	Beryllium	<1 ug/g	97	70-130	103	70-130	0	0-30
474002	Cadmium	<0.4 ug/g	101	70-130	104	70-130	0	0-30
474002	Cobalt	<1 ug/g	99	70-130	94	70-130	0	0-30
474002	Chromium Total	<1 ug/g	103	70-130	112	70-130	0	0-30
474002	Copper	<1 ug/g	104	70-130	75	70-130	12	0-30
474002	Molybdenum	<1 ug/g	99	70-130	95	70-130	0	0-30
474002	Nickel	<1 ug/g	101	70-130	92	70-130	1	0-30
474002	Lead	<1 ug/g	103	70-130	92	70-130	0	0-30
474002	Antimony	<1 ug/g	82	70-130	96	70-130	0	0-30
474002	Selenium	<0.5 ug/g	101	70-130	100	70-130	0	0-30
474002	Thallium	<1 ug/g	102	70-130	91	70-130	0	0-30
474002	Uranium	<0.5 ug/g	90	70-130	88	70-130	0	0-30
474002	Vanadium	<2 ug/g	98	70-130	134	70-130	3	0-30
474002	Zinc	<2 ug/g	104	70-130	88	70-130	3	0-30
474033	Methlynaphthalene, 1-	<0.05 ug/g	68	50-140	71	50-140	0	0-40
474033	Methlynaphthalene, 2-	<0.05 ug/g	67	50-140	69	50-140	0	0-40
474033	Acenaphthene	<0.05 ug/g	72	50-140	73	50-140	0	0-40
474033	Acenaphthylene	<0.05 ug/g	69	50-140	72	50-140	0	0-40
474033	Anthracene	<0.05 ug/g	70	50-140	70	50-140	0	0-40
474033	Benz[a]anthracene	<0.05 ug/g	67	50-140	68	50-140	0	0-40
474033	Benzo[a]pyrene	<0.05 ug/g	61	50-140	50	50-140	0	0-40
474033	Benzo[b]fluoranthene	<0.05 ug/g	71	50-140	59	50-140	0	0-40
474033	Benzo[ghi]perylene	<0.05 ug/g	56	50-140	55	50-140	0	0-40
474033	Benzo[k]fluoranthene	<0.05 ug/g	78	50-140	82	50-140	0	0-40
474033	Chrysene	<0.05 ug/g	70	50-140	71	50-140	0	0-40
474033	Dibenz[a h]anthracene	<0.05 ug/g	51	50-140	51	50-140	0	0-40
474033	Fluoranthene	<0.05 ug/g	66	50-140	65	50-140	0	0-40
474033	Fluorene	<0.05 ug/g	71	50-140	70	50-140	0	0-40

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Project: 2407688 (TACC
Property)
COC #: 919721

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
474033	Indeno[1 2 3-cd]pyrene	<0.05 ug/g	50	50-140	59	50-140	0	0-40
474033	Naphthalene	<0.013 ug/g	69	50-140	69	50-140	0	0-40
474033	Phenanthrene	<0.05 ug/g	72	50-140	73	50-140	0	0-40
474033	Pyrene	<0.05 ug/g	63	50-140	68	50-140	0	0-40
474035	1+2-methylnaphthalene							
474077	PHC's F2	<2 ug/g	114	80-120	90	60-140	0	0-30
474077	PHC's F3	<20 ug/g	114	80-120	90	60-140	0	0-30
474077	PHC's F4	<20 ug/g	114	80-120	90	60-140	17	0-30
474077	Moisture-Humidite	<0.1 %	100	80-120			5	
474082	Tetrachloroethane, 1,1,1,2-	<0.05 ug/g	98	60-130	81	50-140	0	0-50
474082	Trichloroethane, 1,1,1-	<0.05 ug/g	106	60-130	86	50-140	0	0-50
474082	Tetrachloroethane, 1,1,2,2-	<0.05 ug/g	85	60-130	108	50-140	0	0-30
474082	Trichloroethane, 1,1,2-	<0.05 ug/g	93	60-130	88	50-140	0	0-50
474082	Dichloroethane, 1,1-	<0.05 ug/g	122	60-130	84	50-140	0	0-50
474082	Dichloroethylene, 1,1-	<0.05 ug/g	98	60-130	86	50-140	0	0-50
474082	Dichlorobenzene, 1,2-	<0.05 ug/g	96	60-130	128	50-140	0	0-50
474082	Dichloroethane, 1,2-	<0.05 ug/g	104	60-130	83	50-140	0	0-50
474082	Dichloropropane, 1,2-	<0.05 ug/g	91	60-130	92	50-140	0	0-50
474082	Dichlorobenzene, 1,3-	<0.05 ug/g	100	60-130	78	50-140	0	0-50
474082	Dichlorobenzene, 1,4-	<0.05 ug/g	98	60-130	85	50-140	0	0-50
474082	Acetone	<0.50 ug/g	87	60-130	92	50-140	0	0-50
474082	Benzene	<0.0068	110	60-130	82	50-140	0	0-50
474082	Bromodichloromethane	<0.05 ug/g	105	60-130	79	50-140	0	0-50
474082	Bromoform	<0.05 ug/g	99	60-130	98	50-140	0	0-50
474082	Bromomethane	<0.05 ug/g	107	60-130	87	50-140	0	0-50
474082	Dichloroethylene, 1,2-cis-	<0.05 ug/g	116	60-130	83	50-140	0	0-50
474082	Dichloropropene, 1,3-cis-	<0.05 ug/g	91	60-130	112	50-140	0	0-50
474082	Carbon Tetrachloride	<0.05 ug/g	102	60-130	88	50-140	0	0-50
474082	Chloroform	<0.05 ug/g	116	60-130	84	50-140	0	0-50
474082	Dibromochloromethane	<0.05 ug/g	95	60-130	118	50-140	0	0-50
474082	Dichlorodifluoromethane	<0.05 ug/g	113	60-130	111	50-140	0	0-50
474082	Methylene Chloride	<0.05 ug/g	77	60-130	101	50-140	0	0-50
474082	Ethylbenzene	<0.018 ug/g	101	60-130	84	50-140	0	0-50

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015283
Date Submitted: 2025-04-08
Date Reported: 2025-04-15
Project: 2407688 (TACC
Property)
COC #: 919721

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
474082	Ethylene dibromide	<0.05 ug/g	96	60-130	121	50-140	0	0-50
474082	Hexane (n)	<0.05 ug/g	103	60-130	75	50-140	0	0-50
474082	Xylene, m/p-	<0.05 ug/g	104	60-130	97	50-140	0	0-50
474082	Methyl Ethyl Ketone	<0.50 ug/g	83	60-130	105	50-140	0	0-50
474082	Methyl Isobutyl Ketone	<0.50 ug/g	88	60-130	91	50-140	0	0-50
474082	Methyl tert-Butyl Ether (MTBE)	<0.05 ug/g	93	60-130	76	50-140	0	0-50
474082	Chlorobenzene	<0.05 ug/g	102	60-130	83	50-140	0	0-50
474082	Xylene, o-	<0.05 ug/g	102	60-130	122	50-140	0	0-50
474082	Styrene	<0.05 ug/g	100	60-130	118	50-140	0	0-50
474082	Dichloroethylene, 1,2-trans-	<0.05 ug/g	113	60-130	80	50-140	0	0-50
474082	Dichloropropene, 1,3-trans-	<0.05 ug/g	92	60-130	81	50-140	0	0-50
474082	Tetrachloroethylene	<0.05 ug/g	102	60-130	86	50-140	0	0-50
474082	Toluene	<0.08 ug/g	99	60-130	90	50-140	0	0-50
474082	Trichloroethylene	<0.01 ug/g	96	60-130	81	50-140	0	0-50
474082	Trichlorofluoromethane	<0.05 ug/g	105	60-130	88	50-140	0	0-50
474082	Vinyl Chloride	<0.02 ug/g	107	60-130	88	50-140	0	0-50
474084	PHC's F1	<10 ug/g	96	80-120	106	60-140	0	0-30
474085	Xylene Mixture							
474088	Dichloropropene, 1,3-							
474091	PHC's F1-BTEX							
474103	PHC's F2-Naphth							
474104	PHC's F3-PAH							

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Property)
COC #: 919721

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
474002	Silver	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Arsenic	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Boron (total)	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Barium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Beryllium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Cadmium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Cobalt	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Chromium Total	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Copper	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Molybdenum	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Nickel	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Lead	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Antimony	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Selenium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Thallium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Uranium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Vanadium	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474002	Zinc	ICAPQ-MS	2025-04-14	2025-04-14	AaN	EPA 200.8/6020
474033	Methylnaphthalene, 1-	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Methylnaphthalene, 2-	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Acenaphthene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Acenaphthylene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Anthracene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Benz[a]anthracene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Benzo[a]pyrene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Benzo[b]fluoranthene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Benzo[ghi]perylene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Benzo[k]fluoranthene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Chrysene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Dibenz[a h]anthracene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Fluoranthene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Fluorene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270

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Date Submitted: 2025-04-08
Date Reported: 2025-04-15
Project: 2407688 (TACC
Property)
COC #: 919721

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
474033	Indeno[1 2 3-cd]pyrene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Naphthalene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Phenanthrene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474033	Pyrene	GC-MS	2025-04-12	2025-04-14	C_M	P 8270
474035	1+2-methylnaphthalene	GC-MS	2025-04-15	2025-04-15	C_M	P 8270
474077	PHC's F2	GC/FID	2025-04-14	2025-04-15	D_T	CCME
474077	PHC's F3	GC/FID	2025-04-14	2025-04-15	D_T	CCME
474077	PHC's F4	GC/FID	2025-04-14	2025-04-15	D_T	CCME
474077	Moisture-Humidite	Oven	2025-04-14	2025-04-15	D_T	ASTM 2216
474082	Tetrachloroethane, 1,1,1,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Trichloroethane, 1,1,1-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Tetrachloroethane, 1,1,2,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Trichloroethane, 1,1,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloroethane, 1,1-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloroethylene, 1,1-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichlorobenzene, 1,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloroethane, 1,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloropropane, 1,2-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichlorobenzene, 1,3-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichlorobenzene, 1,4-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Acetone	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Benzene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Bromodichloromethane	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Bromoform	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Bromomethane	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloroethylene, 1,2-cis-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloropropene, 1,3-cis-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Carbon Tetrachloride	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Chloroform	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dibromochloromethane	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichlorodifluoromethane	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Methylene Chloride	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Ethylbenzene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B

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75 Tiverton Court, Unit 100
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L3R 4M8
Attention: Ms. Aamna Arora
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Report Number: 3015283
Date Submitted: 2025-04-08
Date Reported: 2025-04-15
Project: 2407688 (TACC
Property)
COC #: 919721

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
474082	Ethylene dibromide	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Hexane (n)	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Xylene, m/p-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Methyl Ethyl Ketone	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Methyl Isobutyl Ketone	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Methyl tert-Butyl Ether (MTBE)	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Chlorobenzene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Xylene, o-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Styrene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloroethylene, 1,2-trans-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Dichloropropene, 1,3-trans-	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Tetrachloroethylene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Toluene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Trichloroethylene	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Trichlorofluoromethane	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474082	Vinyl Chloride	GC-MS	2025-04-05	2025-04-12	H_S	V 8260B
474084	PHC's F1	GC/FID	2025-04-15	2025-04-15	H_S	CCME
474085	Xylene Mixture	GC-MS	2025-04-15	2025-04-15	H_S	V 8260B
474088	Dichloropropene, 1,3-	GC-MS	2025-04-15	2025-04-15	H_S	V 8260B
474091	PHC's F1-BTEX	GC/FID	2025-04-15	2025-04-15	H_S	CCME
474103	PHC's F2-Napth	GC/FID	2025-04-15	2025-04-15	D_T	CCME
474104	PHC's F3-PAH	GC/FID	2025-04-15	2025-04-15	D_T	CCME

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CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

[illegible]

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Report Number: 3015311
Date Submitted: 2025-04-09
Date Reported: 2025-04-16
Project: 2407688 (TACC
Property- Mayfield Tullmore)
COC #: 919732
Temperature (C): 5
Custody Seal:

Page 1 of 17

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1761818 TP10 For all samples on this report, the metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 19.rpt

Client: GEI Consultants Inc.
 75 Tiverton Court, Unit 100
 Markham, ON
 L3R 4M8
 Attention: Ms. Aamna Arora
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Report Number: 3015311
 Date Submitted: 2025-04-09
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 Property- Mayfield Tullmore)
 COC #: 919732

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria

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Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761818	1761819	1761820	1761821	1761822	
					Soil153	Soil153	Soil153	Soil153	Soil153	
					2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07	
					TP10	TP12	TP13	TP14	TP15	
Antimony	474069	1	ug/g	STD 1.3	<1					
	474140	1	ug/g	STD 1.3		<1	<1	<1	<1	
Arsenic	474069	1	ug/g	STD 18	4					
	474140	1	ug/g	STD 18		4	4	4	4	
Barium	474069	1	ug/g	STD 220	84					
	474140	1	ug/g	STD 220		75	64	74	72	
Beryllium	474069	1	ug/g	STD 2.5	<1					
	474140	1	ug/g	STD 2.5		<1	<1	<1	<1	
Boron (Hot Water Soluble)	474095	0.25	ug/g	STD 1.5	0.40	0.27	0.32	<0.25	0.26	
Boron (total)	474069	5	ug/g	STD 36	8					
	474140	5	ug/g	STD 36		5	5	5	6	
Cadmium	474069	0.4	ug/g	STD 1.2	<0.4					
	474140	0.4	ug/g	STD 1.2		<0.4	<0.4	<0.4	<0.4	
Chromium Total	474069	1	ug/g	STD 70	30					
	474140	1	ug/g	STD 70		28	24	30	26	
Chromium VI	474079	0.20	ug/g	STD 0.66	0.31	<0.20	<0.20	<0.20	<0.20	
Cobalt	474069	1	ug/g	STD 22	9					
	474140	1	ug/g	STD 22		9	8	9	8	
Copper	474069	1	ug/g	STD 92	22					
	474140	1	ug/g	STD 92		23	21	20	20	
Lead	474069	1	ug/g	STD 120	16					
	474140	1	ug/g	STD 120		14	14	14	14	
Mercury	474069	0.1	ug/g	STD 0.27	<0.1					

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Property- Mayfield Tullmore)
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Guideline = O.Reg 153-T8-Res/Com

Metals

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1761818
Soil153

2025-04-07

TP10

1761819
Soil153

2025-04-07

TP12

1761820
Soil153

2025-04-07

TP13

1761821
Soil153

2025-04-07

TP14

1761822
Soil153

2025-04-07

TP15

Analyte	Batch No	MRL	Units	Guideline					
Mercury	474140	0.1	ug/g	STD 0.27		<0.1	<0.1	<0.1	<0.1
Molybdenum	474069	1	ug/g	STD 2	<1				
	474140	1	ug/g	STD 2		<1	<1	<1	<1
Nickel	474069	1	ug/g	STD 82	22				
	474140	1	ug/g	STD 82		20	17	21	18
Selenium	474069	0.5	ug/g	STD 1.5	<0.5				
	474140	0.5	ug/g	STD 1.5		<0.5	<0.5	<0.5	<0.5
Silver	474069	0.2	ug/g	STD 0.5	<0.2				
	474140	0.2	ug/g	STD 0.5		<0.2	<0.2	<0.2	<0.2
Thallium	474069	1	ug/g	STD 1	<1				
	474140	1	ug/g	STD 1		<1	<1	<1	<1
Uranium	474069	0.5	ug/g	STD 2.5	0.7				
	474140	0.5	ug/g	STD 2.5		0.8	0.7	0.8	0.8
Vanadium	474069	2	ug/g	STD 86	35				
	474140	2	ug/g	STD 86		34	32	34	36
Zinc	474069	2	ug/g	STD 290	73				
	474140	2	ug/g	STD 290		66	66	63	65

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015311
Date Submitted: 2025-04-09
Date Reported: 2025-04-16
Project: 2407688 (TACC
Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

Metals

Analyte	Batch No	MRL	Units	Guideline	1761823	1761824	1761825	1761826	1761827
					Soil153	Soil153	Soil153	Soil153	Soil153
				Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07
					TP16	TP17	TP18	TP19	TP20
Antimony	474140	1	ug/g	STD 1.3	<1	<1	<1	<1	<1
Arsenic	474140	1	ug/g	STD 18	4	4	4	4	4
Barium	474140	1	ug/g	STD 220	64	66	72	68	82
Beryllium	474140	1	ug/g	STD 2.5	<1	<1	<1	<1	<1
Boron (Hot Water Soluble)	474095	0.25	ug/g	STD 1.5	0.45	0.32	0.32	0.33	<0.25
Boron (total)	474140	5	ug/g	STD 36	6	6	7	6	7
Cadmium	474140	0.4	ug/g	STD 1.2	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium Total	474140	1	ug/g	STD 70	27	28	27	28	31
Chromium VI	474079	0.20	ug/g	STD 0.66	<0.20	<0.20	<0.20	<0.20	<0.20
Cobalt	474140	1	ug/g	STD 22	9	8	9	8	10
Copper	474140	1	ug/g	STD 92	21	20	17	24	22
Lead	474140	1	ug/g	STD 120	14	14	14	14	15
Mercury	474140	0.1	ug/g	STD 0.27	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	474140	1	ug/g	STD 2	<1	<1	<1	<1	<1
Nickel	474140	1	ug/g	STD 82	20	20	18	19	21
Selenium	474140	0.5	ug/g	STD 1.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver	474140	0.2	ug/g	STD 0.5	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	474140	1	ug/g	STD 1	<1	<1	<1	<1	<1
Uranium	474140	0.5	ug/g	STD 2.5	0.7	0.7	0.8	0.7	0.9
Vanadium	474140	2	ug/g	STD 86	34	35	37	36	40
Zinc	474140	2	ug/g	STD 290	61	66	65	70	72

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Date Reported: 2025-04-16
Project: 2407688 (TACC
Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

Metals

Lab I.D. 1761828
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-07
Sampling Time
Sample I.D. Dup 5

Analyte	Batch No	MRL	Units	Guideline	
Antimony	474140	1	ug/g	STD 1.3	<1
Arsenic	474140	1	ug/g	STD 18	4
Barium	474140	1	ug/g	STD 220	76
Beryllium	474140	1	ug/g	STD 2.5	<1
Boron (Hot Water Soluble)	474095	0.25	ug/g	STD 1.5	<0.25
Boron (total)	474140	5	ug/g	STD 36	7
Cadmium	474140	0.4	ug/g	STD 1.2	<0.4
Chromium Total	474140	1	ug/g	STD 70	32
Chromium VI	474079	0.20	ug/g	STD 0.66	<0.20
Cobalt	474140	1	ug/g	STD 22	9
Copper	474140	1	ug/g	STD 92	19
Lead	474140	1	ug/g	STD 120	14
Mercury	474140	0.1	ug/g	STD 0.27	<0.1
Molybdenum	474140	1	ug/g	STD 2	<1
Nickel	474140	1	ug/g	STD 82	24
Selenium	474140	0.5	ug/g	STD 1.5	<0.5
Silver	474140	0.2	ug/g	STD 0.5	<0.2
Thallium	474140	1	ug/g	STD 1	<1
Uranium	474140	0.5	ug/g	STD 2.5	0.8
Vanadium	474140	2	ug/g	STD 86	38
Zinc	474140	2	ug/g	STD 290	71

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Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

OCP/PCB

Analyte	Batch No	MRL	Units	Guideline	1761818 Soil153	1761819 Soil153	1761820 Soil153	1761821 Soil153	1761822 Soil153
					2025-04-07 TP10	2025-04-07 TP12	2025-04-07 TP13	2025-04-07 TP14	2025-04-07 TP15
Aldrin	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Chlordane	474146	0.006	ug/g	STD 0.05	<0.006	<0.006	<0.006	<0.006	<0.006
Chlordane, alpha-	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Chlordane, gamma-	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
DDD	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
DDE	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
DDT	474146	0.002	ug/g	STD 1.4	<0.002	<0.002	<0.002	<0.002	<0.002
Dieldrin	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Endosulfan	474146	0.004	ug/g	STD 0.04	<0.004	<0.004	<0.004	<0.004	<0.004
Endosulfan I	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Endosulfan II	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Endrin	474146	0.002	ug/g	STD 0.04	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor Epoxide	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobenzene	474146	0.002	ug/g	STD 0.02	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobutadiene	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorocyclohexane Gamma-	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Methoxychlor	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002

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Date Reported: 2025-04-16
Project: 2407688 (TACC)
Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

OCP/PCB

Analyte	Batch No	MRL	Units	Guideline	1761823 Soil153	1761824 Soil153	1761825 Soil153	1761826 Soil153	1761827 Soil153
					2025-04-07 TP16	2025-04-07 TP17	2025-04-07 TP18	2025-04-07 TP19	2025-04-07 TP20
Aldrin	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Chlordane	474146	0.006	ug/g	STD 0.05	<0.006	<0.006	<0.006	<0.006	<0.006
Chlordane, alpha-	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Chlordane, gamma-	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
DDD	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
DDE	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
DDT	474146	0.002	ug/g	STD 1.4	<0.002	<0.002	<0.002	<0.002	<0.002
Dieldrin	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Endosulfan	474146	0.004	ug/g	STD 0.04	<0.004	<0.004	<0.004	<0.004	<0.004
Endosulfan I	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Endosulfan II	474146	0.002	ug/g		<0.002	<0.002	<0.002	<0.002	<0.002
Endrin	474146	0.002	ug/g	STD 0.04	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Heptachlor Epoxide	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobenzene	474146	0.002	ug/g	STD 0.02	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorobutadiene	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachlorocyclohexane Gamma-	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Hexachloroethane	474146	0.002	ug/g	STD 0.01	<0.002	<0.002	<0.002	<0.002	<0.002
Methoxychlor	474146	0.002	ug/g	STD 0.05	<0.002	<0.002	<0.002	<0.002	<0.002

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Project: 2407688 (TACC
Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

OCP/PCB

Lab I.D. 1761828
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-07
Sampling Time
Sample I.D. Dup 5

Analyte	Batch No	MRL	Units	Guideline	
Aldrin	474146	0.002	ug/g	STD 0.05	<0.002
Chlordane	474146	0.006	ug/g	STD 0.05	<0.006
Chlordane, alpha-	474146	0.002	ug/g		<0.002
Chlordane, gamma-	474146	0.002	ug/g		<0.002
DDD	474146	0.002	ug/g	STD 0.05	<0.002
DDE	474146	0.002	ug/g	STD 0.05	<0.002
DDT	474146	0.002	ug/g	STD 1.4	<0.002
Dieldrin	474146	0.002	ug/g	STD 0.05	<0.002
Endosulfan	474146	0.004	ug/g	STD 0.04	<0.004
Endosulfan I	474146	0.002	ug/g		<0.002
Endosulfan II	474146	0.002	ug/g		<0.002
Endrin	474146	0.002	ug/g	STD 0.04	<0.002
Heptachlor	474146	0.002	ug/g	STD 0.05	<0.002
Heptachlor Epoxide	474146	0.002	ug/g	STD 0.05	<0.002
Hexachlorobenzene	474146	0.002	ug/g	STD 0.02	<0.002
Hexachlorobutadiene	474146	0.002	ug/g	STD 0.01	<0.002
Hexachlorocyclohexane Gamma-	474146	0.002	ug/g	STD 0.01	<0.002
Hexachloroethane	474146	0.002	ug/g	STD 0.01	<0.002
Methoxychlor	474146	0.002	ug/g	STD 0.05	<0.002

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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761818	Soil153		2025-04-07		TP10
Cyanide (CN-)	474094	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	474081	0.05	mS/cm	STD 0.7	0.15	0.22	0.14	0.17	0.11	
pH - CaCl2	473978	2.00			7.41	6.90	6.93	6.87	6.81	
Sodium Adsorption Ratio	474083	0.01		STD 5	0.11	0.15	0.12	0.19	0.12	

Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1761823	Soil153		2025-04-07		TP16
Cyanide (CN-)	474094	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	474081	0.05	mS/cm	STD 0.7	0.11	0.10	0.11	0.09	0.11	
pH - CaCl2	473978	2.00			6.72	6.75	6.73	6.69	6.76	
Sodium Adsorption Ratio	474083	0.01		STD 5	0.11	0.11	0.17	0.13	0.14	

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Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

Inorganics

Lab I.D. 1761828
Sample Matrix Soil153
Sample Type
Sample Date 2025-04-07
Sampling Time
Sample I.D. Dup 5

Analyte	Batch No	MRL	Units	Guideline	
Cyanide (CN-)	474094	0.005	ug/g	STD 0.051	<0.005
Electrical Conductivity	474081	0.05	mS/cm	STD 0.7	0.10
pH - CaCl2	473978	2.00			6.73
Sodium Adsorption Ratio	474083	0.01		STD 5	0.13

PCB Surrogate

Lab I.D. 1761818
Sample Matrix Soil153
Sample Type 1761819
Sample Date 2025-04-07
Sampling Time 2025-04-07
Sample I.D. TP10

Analyte	Batch No	MRL	Units	Guideline	1761820	1761821	1761822
Decachlorobiphenyl	474146	0	%		76	79	83

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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational
Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim
Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial
Water Quality Guideline, IPWQO = Interim Provincial Water Quality
Objective, TDR = Typical Desired Range

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Property- Mayfield Tullmore)
COC #: 919732

Guideline = O.Reg 153-T8-Res/Com

PCB Surrogate

Guideline = O.Reg 153-T8-Res/Com									
Analyte	Batch No	MRL	Units	Lab I.D.	1761823	1761824	1761825	1761826	1761827
				Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
				Sample Type					
				Sample Date	2025-04-07	2025-04-07	2025-04-07	2025-04-07	2025-04-07
				Sampling Time					
				Sample I.D.					
				Guideline	TP16	TP17	TP18	TP19	TP20
Decachlorobiphenyl	474146	0	%		86	70	75	82	63

PCB Surrogate

<u>PCB Surrogate</u>					Lab I.D.	1761828
Analyte	Batch No	MRL	Units	Guideline	Sample Matrix	Soil153
					Sample Type	
					Sample Date	2025-04-07
					Sampling Time	
					Sample I.D.	Dup 5
Decachlorobiphenyl	474146	0	%			79

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Property- Mayfield Tullmore)
COC #: 919732

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
473978	pH - CaCl2	5.32	100	90-110			0	
474069	Silver	<0.2 ug/g	87	70-130	106	70-130	0	0-30
474069	Arsenic	<1 ug/g	97	70-130	97	70-130	0	0-30
474069	Boron (total)	<5 ug/g	91	70-130	114	70-130	0	0-30
474069	Barium	<1 ug/g	98	70-130	97	70-130	6	0-30
474069	Beryllium	<1 ug/g	95	70-130	101	70-130	0	0-30
474069	Cadmium	<0.4 ug/g	101	70-130	106	70-130	0	0-30
474069	Cobalt	<1 ug/g	101	70-130	94	70-130	6	0-30
474069	Chromium Total	<1 ug/g	104	70-130	83	70-130	9	0-30
474069	Copper	<1 ug/g	107	70-130	96	70-130	9	0-30
474069	Mercury	<0.1 ug/g	100	70-130	92	70-130	0	0-30
474069	Molybdenum	<1 ug/g	99	70-130	95	70-130	0	0-30
474069	Nickel	<1 ug/g	103	70-130	79	70-130	9	0-30
474069	Lead	<1 ug/g	104	70-130	95	70-130	4	0-30
474069	Antimony	<1 ug/g	84	70-130	94	70-130	0	0-30
474069	Selenium	<0.5 ug/g	102	70-130	107	70-130	0	0-30
474069	Thallium	<1 ug/g	104	70-130	100	70-130	0	0-30
474069	Uranium	<0.5 ug/g	88	70-130	96	70-130	0	0-30
474069	Vanadium	<2 ug/g	100	70-130	122	70-130	5	0-30
474069	Zinc	<2 ug/g	105	70-130	75	70-130	4	0-30
474079	Chromium VI	<0.20 ug/g	107	70-130	98	70-130	0	0-35
474081	Electrical Conductivity	<0.05	98	90-110			0	0-10
474083	Sodium Adsorption Ratio	<0.01					6	
474094	Cyanide (CN-)	<0.005 ug/g	84	75-125	95	70-130	0	0-20
474095	Boron (Hot Water Soluble)	<0.25 ug/g	116	70-130	100	60-140	0	0-30
474140	Silver	<0.2 ug/g	86	70-130	113	70-130	0	0-30
474140	Arsenic	<1 ug/g	96	70-130	102	70-130	0	0-30
474140	Boron (total)	<5 ug/g	91	70-130	103	70-130	0	0-30
474140	Barium	<1 ug/g	98	70-130	125	70-130	1	0-30
474140	Beryllium	<1 ug/g	95	70-130	102	70-130	0	0-30
474140	Cadmium	<0.4 ug/g	102	70-130	111	70-130	0	0-30
474140	Cobalt	<1 ug/g	99	70-130	106	70-130	0	0-30

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3015311
Date Submitted: 2025-04-09
Date Reported: 2025-04-16
Project: 2407688 (TACC)
Property- Mayfield Tullmore)
COC #: 919732

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
474140	Chromium Total	<1 ug/g	103	70-130	128	70-130	7	0-30
474140	Copper	<1 ug/g	104	70-130	111	70-130	0	0-30
474140	Mercury	<0.1 ug/g	100	70-130	103	70-130	0	0-30
474140	Molybdenum	<1 ug/g	91	70-130	96	70-130	0	0-30
474140	Nickel	<1 ug/g	101	70-130	110	70-130	0	0-30
474140	Lead	<1 ug/g	103	70-130	116	70-130	9	0-30
474140	Antimony	<1 ug/g	83	70-130	106	70-130	0	0-30
474140	Selenium	<0.5 ug/g	102	70-130	108	70-130	0	0-30
474140	Thallium	<1 ug/g	102	70-130	109	70-130	0	0-30
474140	Uranium	<0.5 ug/g	91	70-130	107	70-130	0	0-30
474140	Vanadium	<2 ug/g	98	70-130	148	70-130	0	0-30
474140	Zinc	<2 ug/g	105	70-130	134	70-130	3	0-30
474146	Chlordane, alpha-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Aldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Chlordane	<0.006 ug/g					0	
474146	Dieldrin	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Endosulfan	<0.004 ug/g					0	
474146	Endosulfan I	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474146	Endosulfan II	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Endrin	<0.002 ug/g	90	50-140	90	50-140	0	0-40
474146	Hexachlorocyclohexane Gamma-	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Chlordane, gamma-	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474146	Heptachlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	Heptachlor Epoxide	<0.002 ug/g	90	50-140	95	50-140	0	0-40
474146	Hexachlorobenzene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474146	Hexachlorobutadiene	<0.002 ug/g	95	50-140	90	50-140	0	0-40
474146	Hexachloroethane	<0.002 ug/g	100	50-140	90	50-140	0	0-40
474146	Methoxychlor	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	DDD	<0.002 ug/g	85	50-140	95	50-140	0	0-40
474146	DDE	<0.002 ug/g	85	50-140	90	50-140	0	0-40
474146	DDT	<0.002 ug/g	85	50-140	90	50-140	0	0-40

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75 Tiverton Court, Unit 100
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L3R 4M8
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Report Number: 3015311
Date Submitted: 2025-04-09
Date Reported: 2025-04-16
Project: 2407688 (TACC)
Property- Mayfield Tullmore)
COC #: 919732

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
473978	pH - CaCl2	pH Meter	2025-04-14	2025-04-14	IP	AG Soil
474069	Silver	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Arsenic	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Boron (total)	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Barium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Beryllium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Cadmium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Cobalt	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Chromium Total	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Copper	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Mercury	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Molybdenum	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Nickel	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Lead	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Antimony	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Selenium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Thallium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Uranium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Vanadium	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474069	Zinc	ICAPQ-MS	2025-04-15	2025-04-15	AaN	EPA 200.8/6020
474079	Chromium VI	FAA	2025-04-15	2025-04-15	MW	M US EPA 3060A
474081	Electrical Conductivity	Electrical Conductivity Mete	2025-04-15	2025-04-15	Z_S	Cond-Soil
474083	Sodium Adsorption Ratio	iCAP OES	2025-04-15	2025-04-15	Z_S	Ag Soil
474094	Cyanide (CN-)	Skalar CN Analyzer	2025-04-15	2025-04-15	Z_S	MOECC E3015
474095	Boron (Hot Water Soluble)	iCAP OES	2025-04-15	2025-04-15	Z_S	MOECC E3470
474140	Silver	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Arsenic	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Boron (total)	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Barium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Beryllium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Cadmium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Cobalt	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020

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Report Number: 3015311
Date Submitted: 2025-04-09
Date Reported: 2025-04-16
Project: 2407688 (TACC)
Property- Mayfield Tullmore)
COC #: 919732

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
474140	Chromium Total	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Copper	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Mercury	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Molybdenum	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Nickel	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Lead	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Antimony	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Selenium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Thallium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Uranium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Vanadium	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474140	Zinc	ICAPQ-MS	2025-04-16	2025-04-16	AaN	EPA 200.8/6020
474146	Chlordane, alpha-	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Aldrin	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Chlordane	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Dieldrin	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Endosulfan	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Endosulfan I	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Endosulfan II	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Endrin	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Hexachlorocyclohexane Gamma-	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Chlordane, gamma-	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Heptachlor	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Heptachlor Epoxide	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Hexachlorobenzene	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Hexachlorobutadiene	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Hexachloroethane	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	Methoxychlor	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	DDD	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	DDE	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A
474146	DDT	GC/ECD	2025-04-15	2025-04-16	Mal	EPA 8081B/8082A

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Project: 2407688 (TACC
Property- Mayfield Tullmore)
COC #: 919732

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

CLIENT INFORMATION										INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES ☐ NO ☐									
Company: GEI Consultants Canada Inc.					Company:					Fax:									
Contact: Aamna Arora					Contact:					Email: #1:									
Address: 650 Woodlawn Road West, Block C, Unit 2, Guelph, ON N1K 1B8					Address:					Email: #2:									
Telephone:					Cell: 416-710-0016					Telephone:					PO #:				
Email: #1: aarora@geiconsultants.com					REGULATION/GUIDELINE REQUIRED														
Email: #2:																			
Project: 2407688 (TACC Property- Mayfield Tullmore) Quote #: 192092					☐ Sanitary Sewer, City: _____					☒ O. Reg 153									
TURN-AROUND TIME (Business Days) ☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☒ 5-7 Days (Standard) Please contact Lab in advance to determine rush availability. *For results reported after rush due date, surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **For results reported after rush due date, surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.					☐ Storm Sewer, City: _____					The sample results from this submission will form part of a formal Record of Site Condition (RSC) under O. Reg. 153/04. Analysis of full parameter list only: Yes ☒ No ☐									
					☐ ODWSOG (Use DW CoC if analyzing drinking water)					Table # 8- Coarse Coarse / Fine, Surface / Subsurface Type: Com-Ind / Res-Park / Agri / GW / All Other / Sediment									
					☐ PWQO					☐ O. Reg 347									
					☐ Other: _____					☐ O. Reg 406 Excess Soils Table # _____ Full depth/Strat/Ceiling/mSPLP Leachate Type: Com-Ind / Res-Park / Agri/All Other Category: Surface/Subsurface									
The optimal temperature conditions during transport should be less than 10°C. Sample(s) cannot be frozen, unless otherwise indicated or agreed upon with the Laboratory. Note that this COC is not to be used for drinking water samples. The COC must be complete upon submission of the samples, there will be a \$25 surcharge if required information is missing (required fields are shaded in grey).										Sample Details									
										Field Filtered ->									
Sample ID										Date/Time Collected									
										Sample Matrix									
TP10										April 7, 2025									
										TP12									
TP13										TP14									
										TP15									
TP16										TP17									
										TP18									
TP19										TP20									
										TP21									
TP22										TP23									
										TP24									
TP25										TP26									
										TP27									
TP28										TP29									
										TP30									
TP31										TP32									
										TP33									
TP34										TP35									
										TP36									
TP37										TP38									
										TP39									
TP40										TP41									
										TP42									
TP43										TP44									
										TP45									
TP46										TP47									
										TP48									
TP49										TP50									
										TP51									
TP52										TP53									
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TP55										TP56									
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TP58										TP59									
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TP61										TP62									
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TP64										TP65									
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TP67										TP68									
										TP69									
TP70										TP71									
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TP73										TP74									
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TP76										TP77									
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TP82										TP83									
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TP85										TP86									
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TP88										TP89									
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TP94										TP95									
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TP97										TP98									
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TP100										TP101									
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TP103										TP104									
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TP106										TP107									
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TP112										TP113									
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TP115										TP116									
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TP118										TP119									
										TP120									
TP121										TP122									
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TP124										TP125									
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TP127										TP128									
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TP136										TP137									
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TP142										TP143									
										TP144									
TP145										TP146									
										TP147									
TP148										TP149									
										TP150									
TP151										TP152									
										TP153									
TP154										TP155									
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TP157										TP158									
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TP160										TP161									
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TP163										TP164									
										TP165									
TP166										TP167									
										TP168									
TP169										TP170									
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TP172										TP173									
										TP174									
TP175										TP176									
										TP177									
TP178										TP179									
										TP180									
TP181										TP182									
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TP184										TP185									
										TP186									
TP187										TP188									
										TP189									
TP190										TP191									
										TP192									
TP193																			

CLIENT INFORMATION							
Company:						GEI CONSULTANTS	
Contact:						AAMNA ARORA	
Address:						aarora@geiconsultants.com	
Telephone:				Cell: 416-710-0016			
Email #1:						aarora@geiconsultants.com	
Email #2:							
Project:				Quote #: 192092 2407688			
TURN-AROUND TIME (Business Days)							
☐ 1 Day* (100%) ☐ 2 Day** (50%) ☐ 3-5 Days (25%) ☒ 5-7 Days (Standard)							
Please contact Lab in advance to determine rush availability.							
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Sample Details							
Field Filtered -->							
O.Reg.153 parameters							
PHC F1-F4 BTEX VOCs PAHs PCBs Metals + Inorganic Metals only OCP							
Sample Matrix # of Containers PHC F1-F4 BTEX VOCs PAHs PCBs Metals + Inorganic Metals only OCP							
Sample ID Date/Time Collected Dup 5 2 176828							
PRINT SIGN DATE/TIME TEMP (°C) COMMENTS:							
Sampled By: Param Patel Relinquished By: Param Patel Received By: Michael Shubin 8 April 2025 8 April 2025 9 April 2025 5-4°C							
CUSTODY SEAL: YES NO Yes No							

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH
10 deleniation
COC #: 920320
Temperature (C): 16
Custody Seal:

Page 1 of 6

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1767492 BH 10(5'-6') Metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 19.rpt

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH 10
deleniation
COC #: 920320

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH 10
deleniation
COC #: 920320

Guideline = O.Reg 153-T8-Res/Com

Metals

Lab I.D. 1767492
Sample Matrix Soil153
Sample Type
Sample Date 2025-05-08
Sampling Time
Sample I.D. BH
10(5'-6')

Analyte	Batch No	MRL	Units	Guideline	
Antimony	476084	1	ug/g	STD 1.3	<1
Arsenic	476084	1	ug/g	STD 18	6
Barium	476084	1	ug/g	STD 220	78
Beryllium	476084	1	ug/g	STD 2.5	<1
Boron (total)	476084	5	ug/g	STD 36	12
Cadmium	476084	0.4	ug/g	STD 1.2	<0.4
Chromium Total	476084	1	ug/g	STD 70	25
Cobalt	476084	1	ug/g	STD 22	11
Copper	476084	1	ug/g	STD 92	32
Lead	476084	1	ug/g	STD 120	11
Molybdenum	476084	1	ug/g	STD 2	<1
Nickel	476084	1	ug/g	STD 82	24
Selenium	476084	0.5	ug/g	STD 1.5	<0.5
Silver	476084	0.2	ug/g	STD 0.5	<0.2
Thallium	476084	1	ug/g	STD 1	<1
Uranium	476084	0.5	ug/g	STD 2.5	1.4
Vanadium	476084	2	ug/g	STD 86	35
Zinc	476084	2	ug/g	STD 290	70

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
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Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH 10
deleniation
COC #: 920320

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
476084	Silver	<0.2 ug/g	111	70-130	131	70-130	0	0-30
476084	Arsenic	<1 ug/g	106	70-130	117	70-130	0	0-30
476084	Boron (total)	<5 ug/g	105	70-130	140	70-130	0	0-30
476084	Barium	<1 ug/g	107	70-130	46	70-130	9	0-30
476084	Beryllium	<1 ug/g	105	70-130	120	70-130	0	0-30
476084	Cadmium	<0.4 ug/g	110	70-130	133	70-130	0	0-30
476084	Cobalt	<1 ug/g	111	70-130	113	70-130	6	0-30
476084	Chromium Total	<1 ug/g	113	70-130	110	70-130	9	0-30
476084	Copper	<1 ug/g	113	70-130	100	70-130	5	0-30
476084	Molybdenum	<1 ug/g	122	70-130	120	70-130	0	0-30
476084	Nickel	<1 ug/g	112	70-130	104	70-130	7	0-30
476084	Lead	<1 ug/g	116	70-130	97	70-130	2	0-30
476084	Antimony	<1 ug/g	98	70-130	127	70-130	0	0-30
476084	Selenium	<0.5 ug/g	110	70-130	129	70-130	0	0-30
476084	Thallium	<1 ug/g	112	70-130	128	70-130	0	0-30
476084	Uranium	<0.5 ug/g	105	70-130	131	70-130	0	0-30
476084	Vanadium	<2 ug/g	108	70-130	115	70-130	7	0-30
476084	Zinc	<2 ug/g	109	70-130	70	70-130	8	0-30

Results relate only to the parameters tested on the samples submitted.
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Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH 10
deleniation
COC #: 920320

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
476084	Silver	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Arsenic	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Boron (total)	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Barium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Beryllium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Cadmium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Cobalt	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Chromium Total	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Copper	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Molybdenum	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Nickel	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Lead	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Antimony	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Selenium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Thallium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Uranium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Vanadium	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020
476084	Zinc	ICAPQ-MS	2025-05-26	2025-05-26	AaN	EPA 200.8/6020

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3016508
Date Submitted: 2025-05-21
Date Reported: 2025-05-27
Project: 2407688 (TACC)- BH 10
delelination
COC #: 920320

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

401 Magnetic Drive, Unit #1, North York, ON, M3J 3H9 - Telephone: 416-661-5287 • 380 Vansickle Road, Unit #630, St. Catharines, ON, L2S 0B5 - Telephone: 905-680-8887 • 608 Norris Court, Kingston, ON, K7P 2R9 - Telephone: 613-634-9307

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) -
BH10 deleniation
COC #: 920248
Temperature (C): 14
Custody Seal:

Page 1 of 6

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

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EETC Reg 153 Version 19.rpt

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) - BH10
deletion
COC #: 920248

O.Reg 153-T8-Res/Com

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
Metals				
BH10 SS2 (2'-4')	Cadmium	1.7	ug/g	STD 1.2
BH10 SS2 (2'-4')	Uranium	11.8	ug/g	STD 2.5

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
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Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) - BH10
deleniation
COC #: 920248

Guideline = O.Reg 153-T8-Res/Com

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1766265	1766266	1766267	1766268	1766269	
					Soil153	Soil153	Soil153	Soil153	Soil153	
					2025-05-08	2025-05-08	2025-05-08	2025-05-08	2025-05-08	
					BH10 SS2	BH10 S	BH10 E	BH10 W	DUP-BH	
					(2'-4')	(3m)-S1	(3m)-S1	(3m)-S1	10-SS2	
Antimony	475674	1	ug/g	STD 1.3	<1	<1	<1	<1	<1	
Arsenic	475674	1	ug/g	STD 18	5	6	7	7	6	
Barium	475674	1	ug/g	STD 220	85	114	83	97	84	
Beryllium	475674	1	ug/g	STD 2.5	<1	<1	<1	<1	<1	
Boron (total)	475674	5	ug/g	STD 36	15	7	7	6	7	
Cadmium	475674	0.4	ug/g	STD 1.2	1.7*	<0.4	<0.4	<0.4	<0.4	
Chromium Total	475674	1	ug/g	STD 70	28	27	25	26	27	
Cobalt	475674	1	ug/g	STD 22	11	11	11	12	12	
Copper	475674	1	ug/g	STD 92	33	36	37	38	39	
Lead	475674	1	ug/g	STD 120	11	12	12	12	11	
Molybdenum	475674	1	ug/g	STD 2	2	<1	<1	<1	<1	
Nickel	475674	1	ug/g	STD 82	22	26	26	28	28	
Selenium	475674	0.5	ug/g	STD 1.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Silver	475674	0.2	ug/g	STD 0.5	<0.2	<0.2	<0.2	<0.2	<0.2	
Thallium	475674	1	ug/g	STD 1	<1	<1	<1	<1	<1	
Uranium	475674	0.5	ug/g	STD 2.5	11.8*	0.7	0.9	0.5	0.5	
Vanadium	475674	2	ug/g	STD 86	50	35	36	34	34	
Zinc	475674	2	ug/g	STD 290	159	68	76	70	62	

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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L3R 4M8
Attention: Ms. Aamna Arora
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Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) - BH10
delelination
COC #: 920248

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
475674	Silver	<0.2 ug/g	90	70-130	106	70-130	0	0-30
475674	Arsenic	<1 ug/g	98	70-130	98	70-130	0	0-30
475674	Boron (total)	<5 ug/g	96	70-130	96	70-130	0	0-30
475674	Barium	<1 ug/g	102	70-130	99	70-130	6	0-30
475674	Beryllium	<1 ug/g	97	70-130	91	70-130	0	0-30
475674	Cadmium	<0.4 ug/g	106	70-130	102	70-130	0	0-30
475674	Cobalt	<1 ug/g	104	70-130	98	70-130	7	0-30
475674	Chromium Total	<1 ug/g	105	70-130	106	70-130	7	0-30
475674	Copper	<1 ug/g	111	70-130	97	70-130	5	0-30
475674	Molybdenum	<1 ug/g	107	70-130	99	70-130	0	0-30
475674	Nickel	<1 ug/g	108	70-130	104	70-130	6	0-30
475674	Lead	<1 ug/g	109	70-130	98	70-130	6	0-30
475674	Antimony	<1 ug/g	92	70-130	100	70-130	0	0-30
475674	Selenium	<0.5 ug/g	103	70-130	100	70-130	0	0-30
475674	Thallium	<1 ug/g	108	70-130	99	70-130	0	0-30
475674	Uranium	<0.5 ug/g	98	70-130	97	70-130	4	0-30
475674	Vanadium	<2 ug/g	99	70-130	87	70-130	5	0-30
475674	Zinc	<2 ug/g	106	70-130	109	70-130	2	0-30

Results relate only to the parameters tested on the samples submitted.
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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) - BH10
deleniation
COC #: 920248

Test Summary

Batch No	Analyte	Instrument	Prep aration Date	Analysis Date	Analyst	Method
475674	Silver	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Arsenic	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Boron (total)	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Barium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Beryllium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Cadmium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Cobalt	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Chromium Total	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Copper	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Molybdenum	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Nickel	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Lead	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Antimony	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Selenium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Thallium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Uranium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Vanadium	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020
475674	Zinc	ICAPQ-MS	2025-05-16	2025-05-16	AaN	EPA 200.8/6020

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Report Number: 3016266
Date Submitted: 2025-05-12
Date Reported: 2025-05-20
Project: 2407688 (TACC) - BH10
delelination
COC #: 920248

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

Appendix F Survey Plan

PLAN OF SURVEY OF
PART OF LOTS 21 AND 22, CONCESSION 5,
EAST OF HURONTARIO STREET
(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

SCALE 1:1500
NAD83 (CSRS) DATUM 2011
R-PE SURVEYING LTD., O.L.S.

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

NOTES

- DENOTES MONUMENT SET
- DENOTES MONUMENT FOUND
- IB DENOTES IRON BAR
- SB DENOTES STANDARD IRON BAR
- SBB DENOTES SHORT STANDARD IRON BAR
- PLN DENOTES PROPERTY IDENTIFIER NUMBER
- PL1 DENOTES PLAN 43R-15593
- PL2 DENOTES PLAN 43R-20787
- PL3 DENOTES SURVEYOR'S REAL PROPERTY REPORT BY LAND
- PL4 DENOTES PLAN 43R-22827
- PL5 DENOTES PLAN OF SURVEY BY MCLAN, MCMURPHY & BRASON, O.L.S. (ATTACHED TO INST. V561691)
- PL6 DENOTES PLAN 43R-40213
- PL7 DENOTES PLAN 43R-35549
- PL8 DENOTES PLAN 43R-16580
- PL9 DENOTES PLAN 43R-15705
- PL10 DENOTES PLAN 43R-15057
- PL11 DENOTES PLAN OF SURVEY BY MAURO GROUP INC., O.L.S. DATED JUNE 10, 2022
- PL12 DENOTES PLAN 43R-40502
- (LAP) DENOTES LLOYD & PURCELL LTD., O.L.S.
- (L50) DENOTES LAND SURVEY GROUP INC., O.L.S.
- (R65) DENOTES R. E. CLIFSHAM, O.L.S.
- (1109) DENOTES B. I. MCMURPHY, O.L.S.
- (1194) DENOTES E. BRASON, O.L.S.
- (1254) DENOTES R. E. CLIFSHAM, O.L.S.
- (1515) DENOTES T. V. LANKVELD, O.L.S.
- (1600) DENOTES BRASON SURVEYING INC., O.L.S.
- (1857) DENOTES THAM SURVEYING LIMITED, O.L.S.
- (1927) DENOTES FIDDES CLIFSHAM INC., O.L.S.
- (N) DENOTES NOT IDENTIFIED
- ORP DENOTES OBSERVED REFERENCE POINT
- E.H.S. DENOTES EAST OF HURONTARIO STREET
- W- DENOTES OVERHEAD WIRE
- U- DENOTES UTILITY POLE
- NE/SW DENOTES NORTHEAST/SOUTHWEST

INTEGRATION NOTE

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS (N) AND (S) USING CAN-MET REAL-TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 17, NAD83 (CSRS) DATUM 2011.

COORDINATES ARE UTM ZONE 17, NAD83 (CSRS) DATUM 2011, TO URBAN ACCURACY PER SEC. 14 (3) OF OREGON 218/115, AND CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

POINT ID	NORTHING	EASTING
ORP (N)	4849468.73	595841.61
ORP (S)	4849103.65	596212.21
PR540268004688	4854714.46	596022.52

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999966.

SURVEYOR'S CERTIFICATE

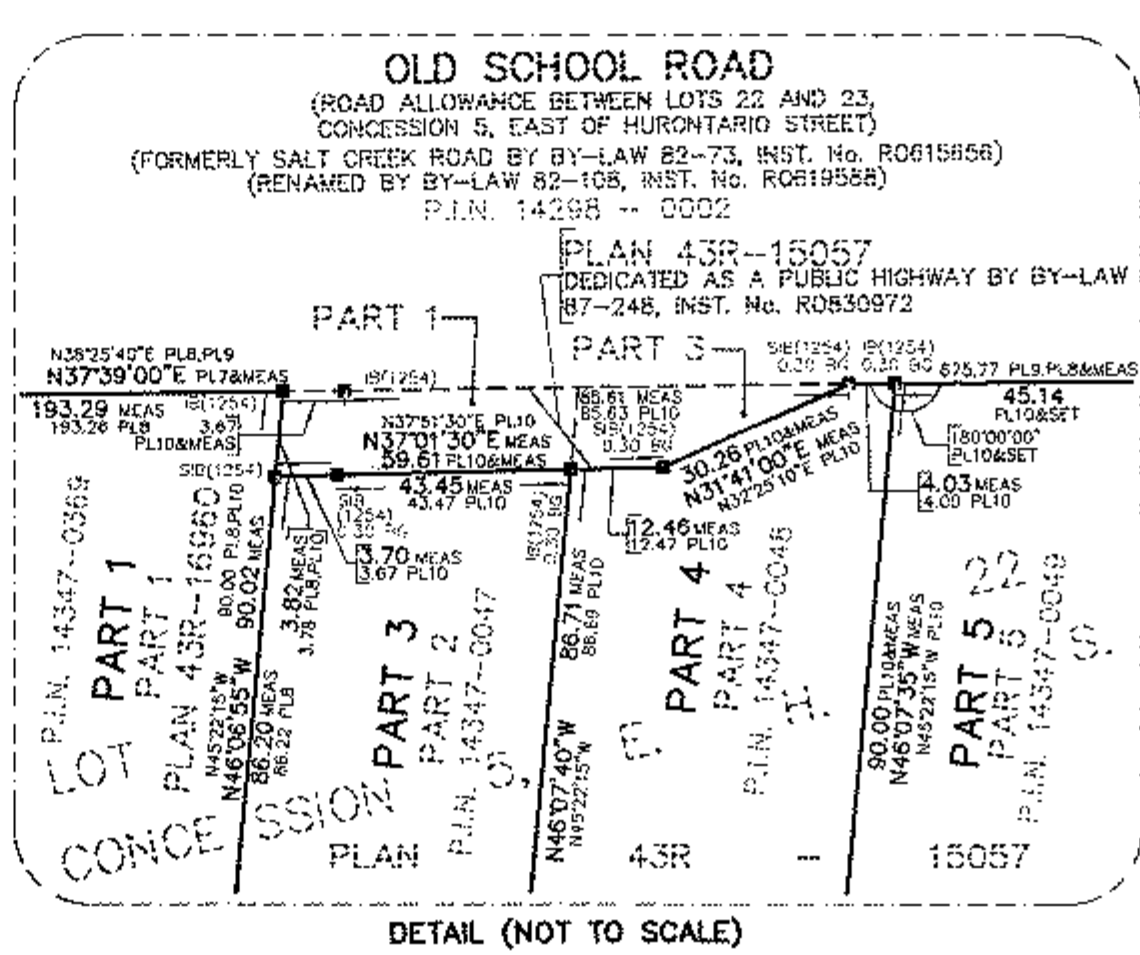
I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON THE 6th DAY OF MARCH, 2023.

DATE JUNE 27th, 2023

A. U. KUMARANAYAKE

A. U. KUMARANAYAKE
ONTARIO LAND SURVEYOR
THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-63125.



1. REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.
DATE JUNE 27th, 2023
A. U. KUMARANAYAKE
A. U. KUMARANAYAKE, O.L.S.

PLAN 43R-41084

RECEIVED AND DEPOSITED

DATE October 30, 2023

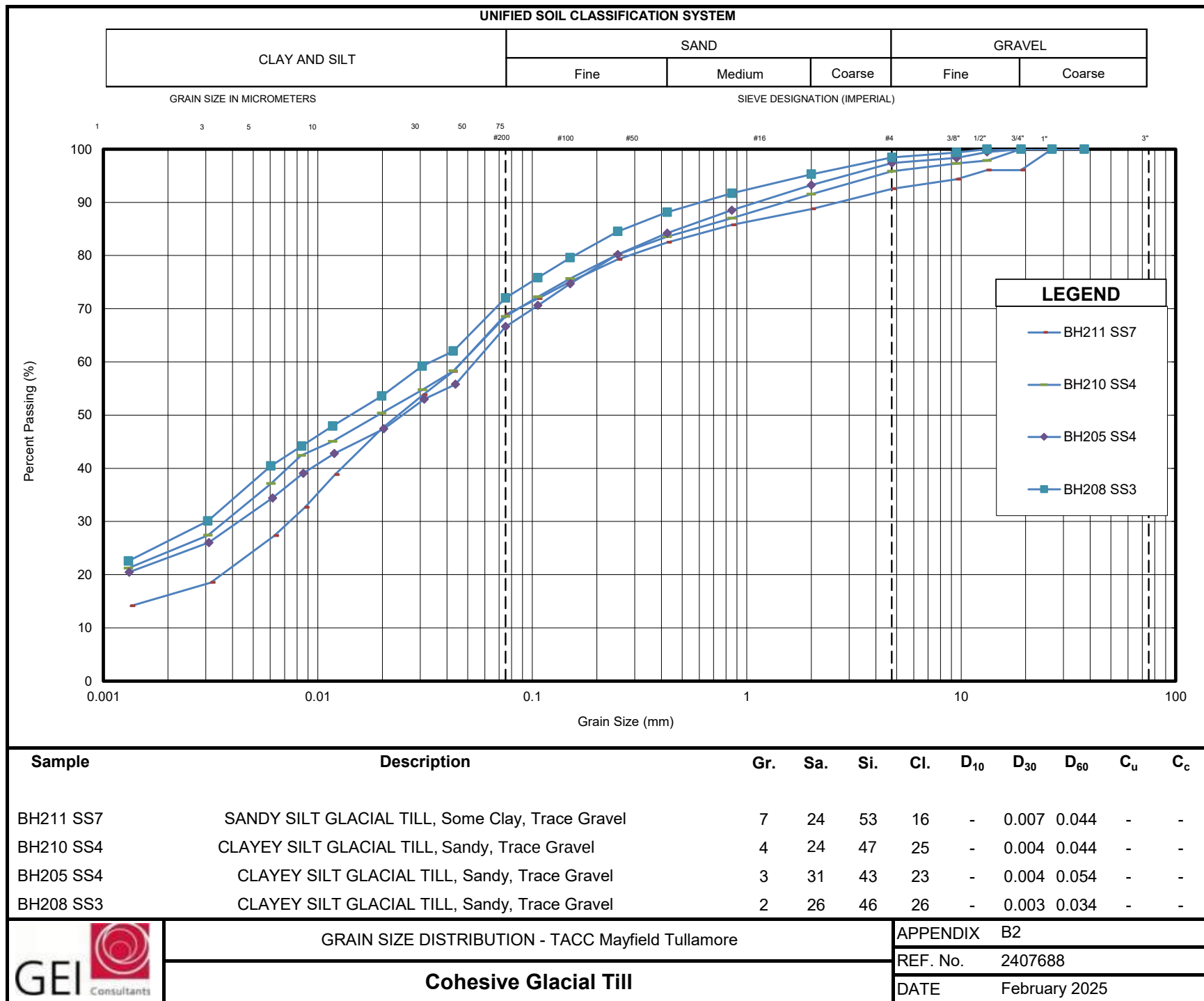
Long Wang

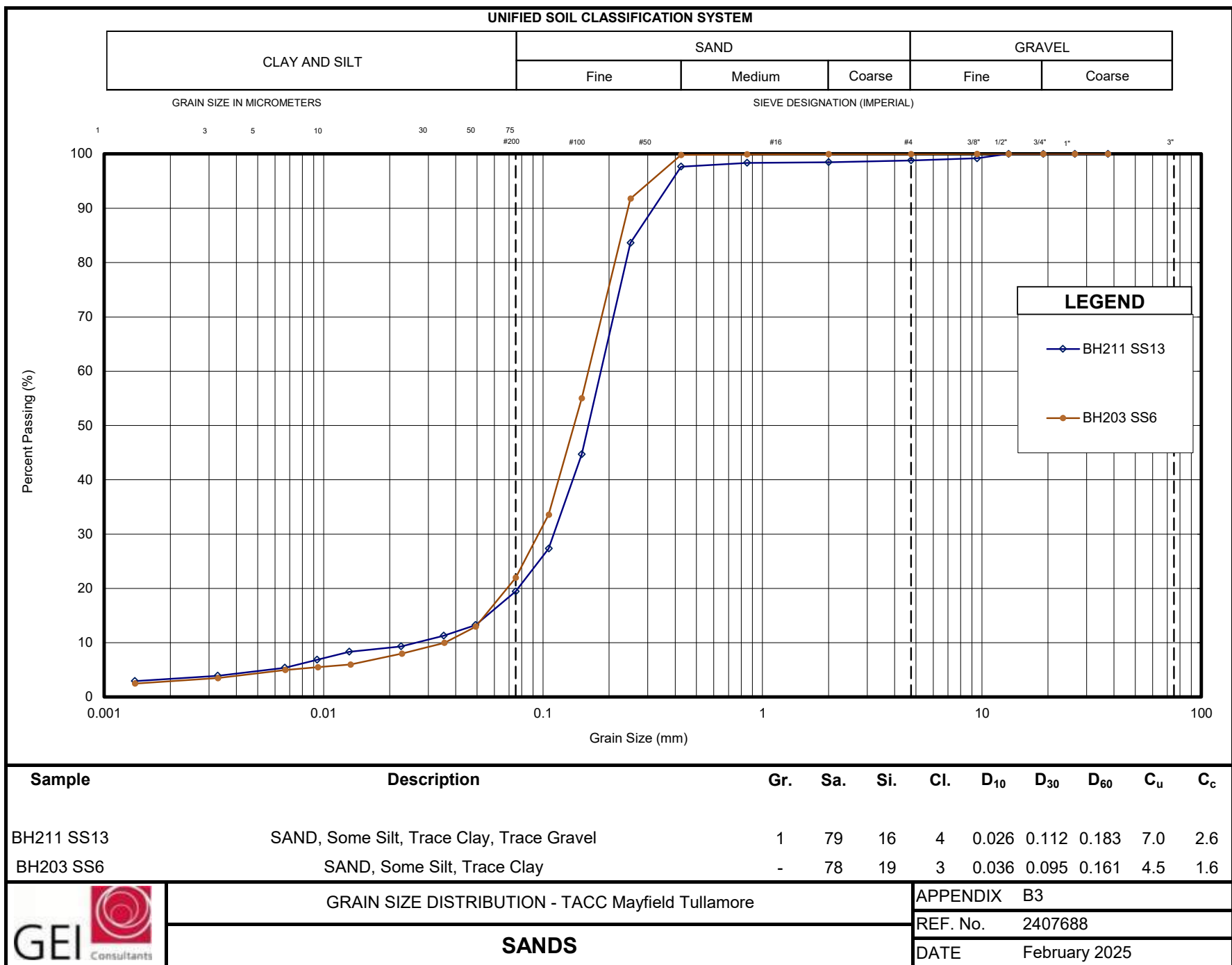
REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF PEEL (No. 43)

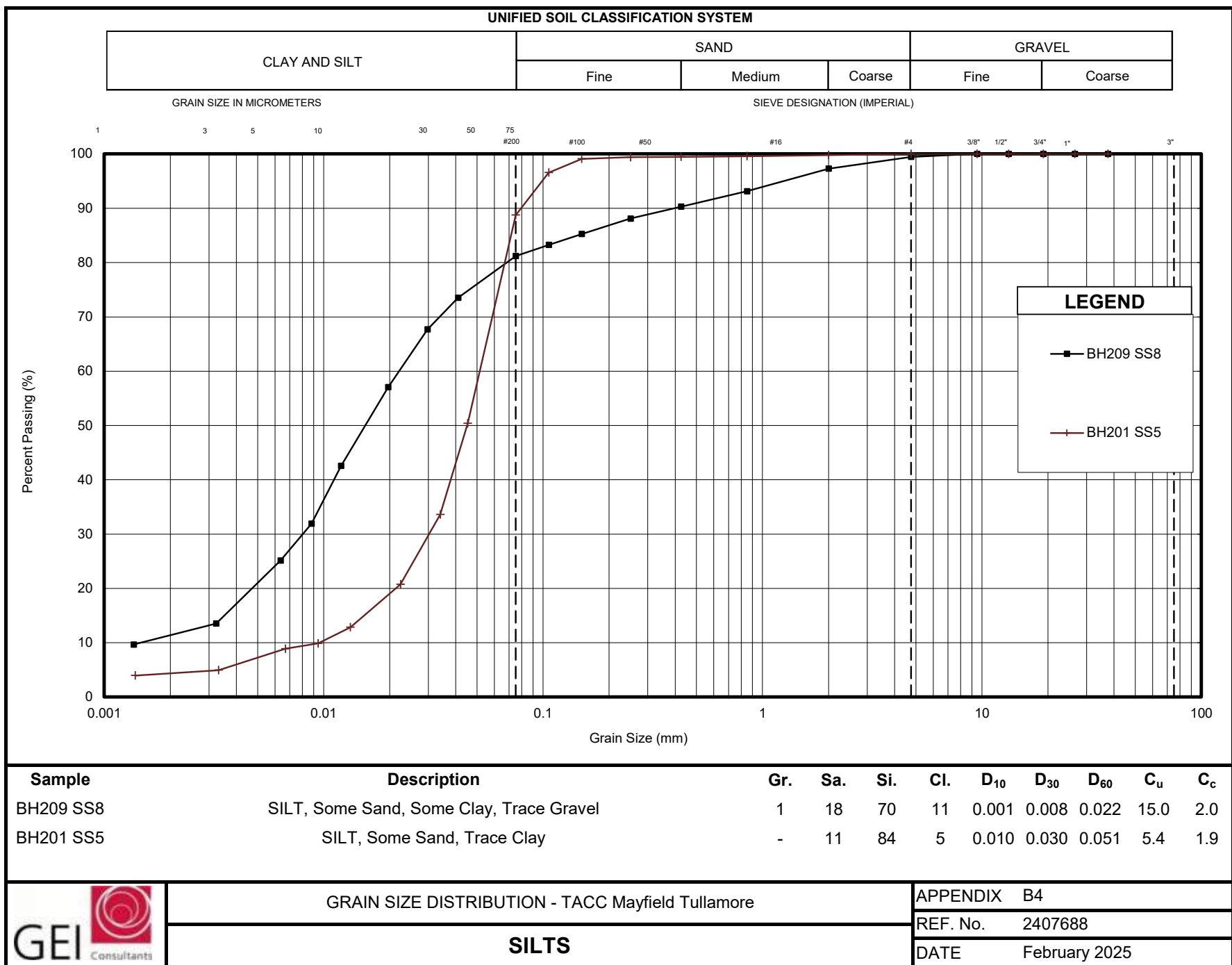
PART	LOT	CONCESSION	P.L.N.
1	PART OF 22		ALL OF 14347-0369
2	PART OF 21		ALL OF 14347-0047
3		5, E.H.S.	ALL OF 14347-0048
4	PART OF 22		ALL OF 14347-0048
5			ALL OF 14347-0048

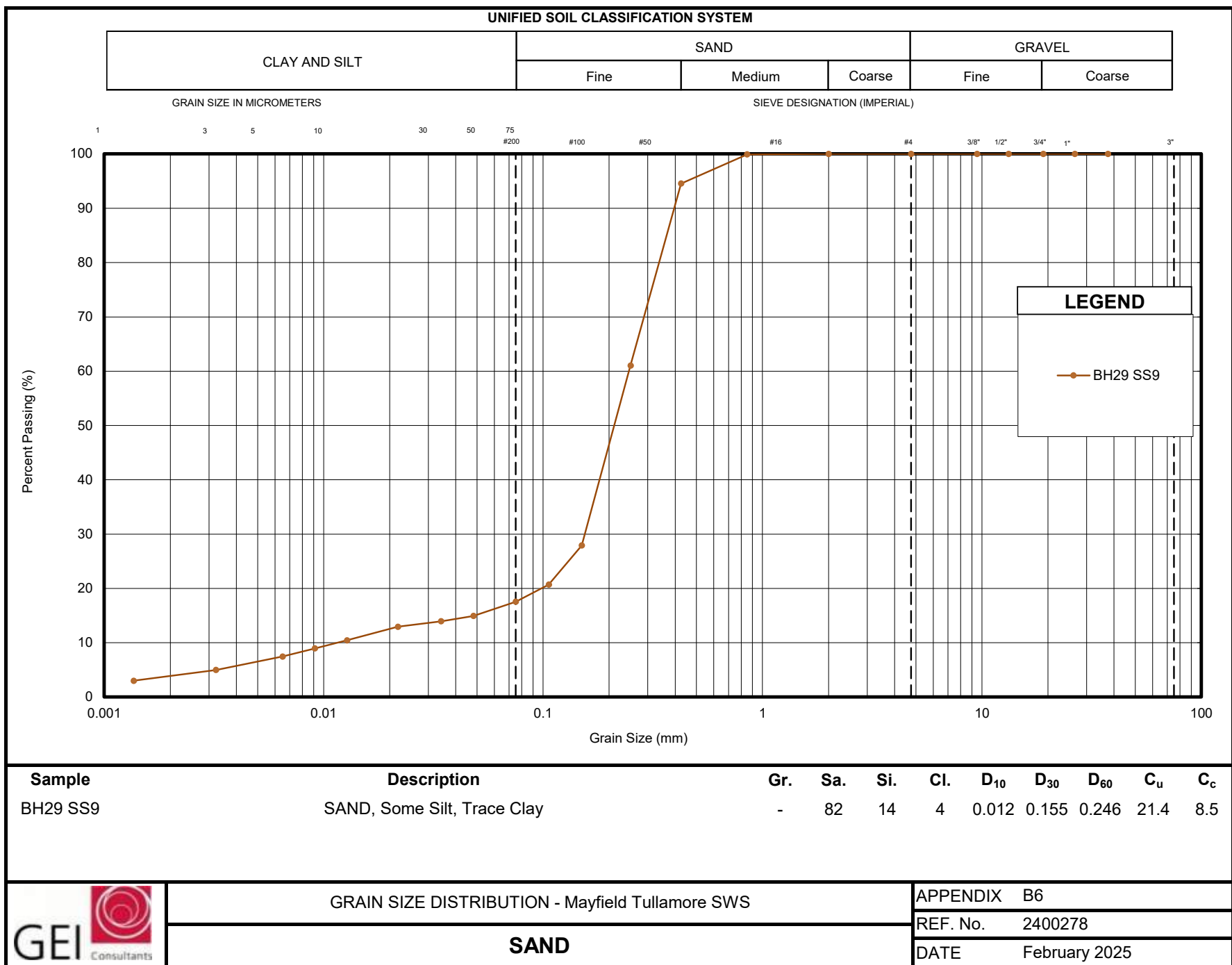


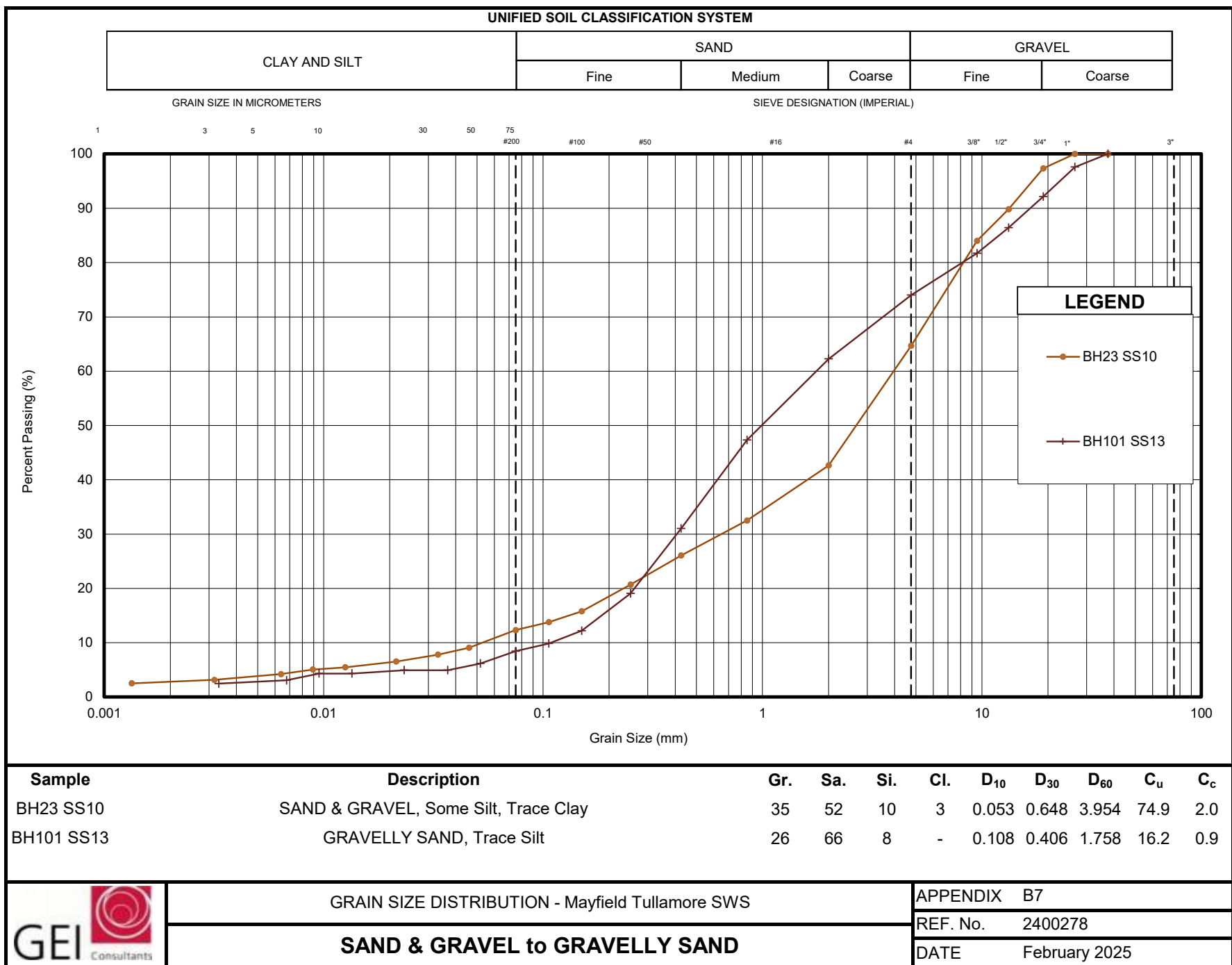
Appendix G Grain Size Analysis

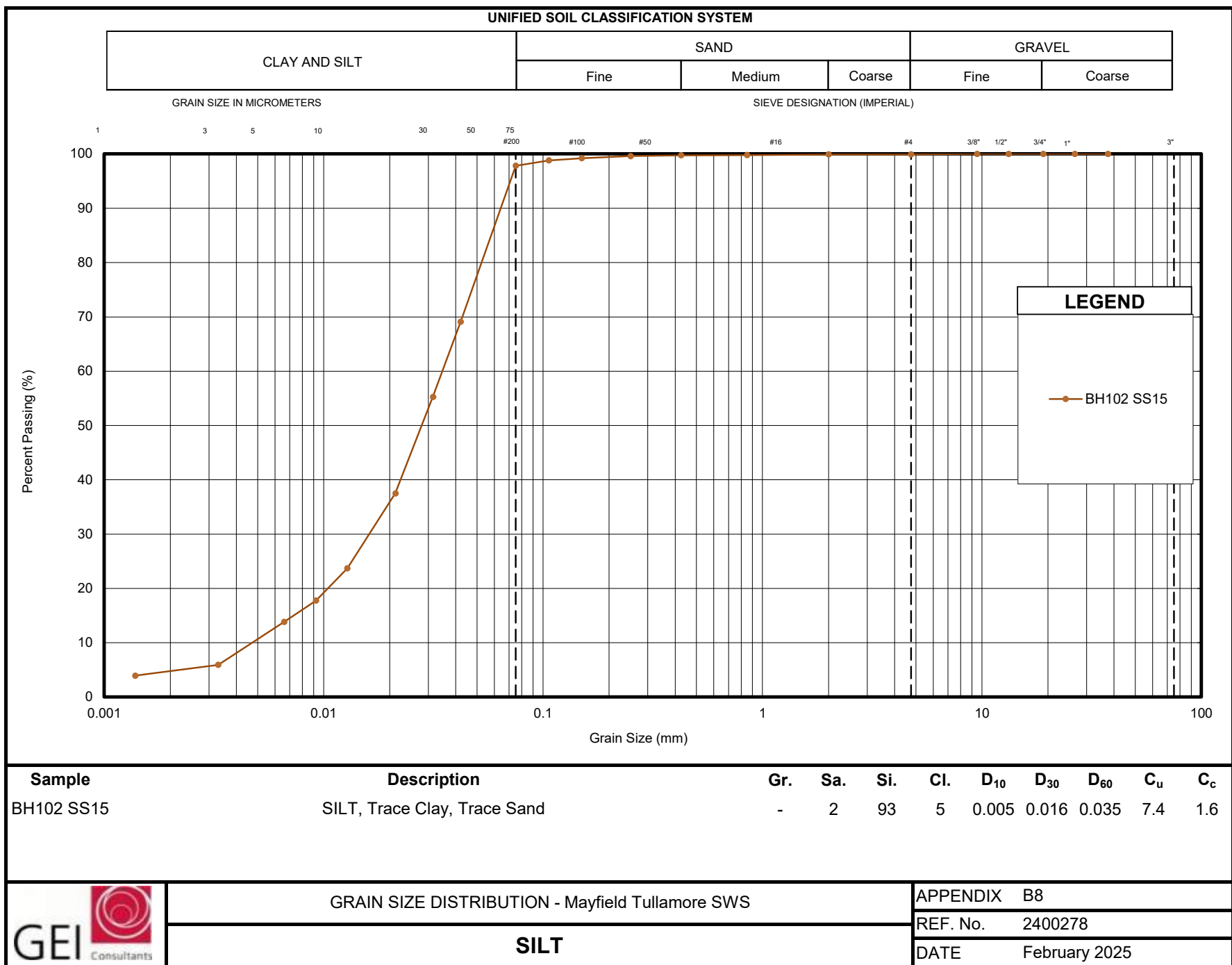












Appendix H Remediation Activities

September 12, 2025

TACC Developments
600 Applewood Crescent
Vaughan, ON L4K 4B4

Attention: Mr. David Stewart, M.E.S., M.C.I.P., R.P.P., Vice President

**Re: Remediation Oversight and Confirmatory Soil Testing
Removal of Impacted Soil from North Side of Building A
12933 Bramalea Road, Caledon, Ontario
Project No. 2407688**

1. Introduction

GEI Consultants (GEI) was retained by TACC Developments (Armstrong) Ltd. (the Client), to complete remediation for soil impacts identified around the previous Borehole location BH10 which was reported based on findings of a recent Phase Two investigation completed for the Site.

The remedial objective was to remove impacted soil and bring the Site into compliance with Table 1 Site Condition Standards (SCS) and to facilitate filing a Record of Site (RSC). This letter report documents the remediation activities and confirmatory soil testing conducted following the completion of the remedial excavation.

1.1. Site Description

The Site is located at the southeast corner of Bramalea Road and Old School Road in Caledon, Peel Region, Ontario, as shown on Figure 1. The Site is irregular in shape and encompasses approximately 178 acres (72 hectares) in total area. The municipal addresses associated with the Site include: 12933 Bramalea Road, 5089 Old School Road, 5101 Old School Road, 5155 Old School Road.

A Phase Two ESA was carried out recently by GEI to assess the following APECs identified for the Site:

APEC 1: Potential use of pesticides and fertilizers on farming lands [On -Site PCA: PCA#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications]

APEC 2: Presence of three (3) aboveground fuel oil tanks for refueling farm equipment [On-Site PCA: #28 – Gasoline and Associated Products Storage in Fixed Tanks]

APEC 3: Presence of an aboveground old waste oil aboveground tank [On-Site PCA: #28 – Gasoline and Associated Products Storage in Fixed Tanks]

APEC 4: Stained area inside the Maintenance shop area-Building B [On-Site PCA: # Other – Staining]

APEC 5: Hydraulic oil drums and plastic pails storing lubricant placed inside the maintenance shop-Building B on bare ground. [On-Site PCA: #52 Storage, maintenance, fueling and repair of equipment, vehicles, and materials used to maintain transportation systems]

APEC 6: Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of Building A [On -Site PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage systems]

APEC 7: Bulk storage of granular/powder fertilizer inside Building A [On -Site PCA #22 Fertilizer Manufacturing, Processing and Bulk Storage systems]

APEC 8: Potential fill associated within former farm buildings footprints [On -Site PCA #30 Importation of fill of unknown quality]

APEC 9: Presence of pole mounted transformer located west of Building B [On -Site PCA# 55 Transformer Manufacturing, Processing and Use]

APEC 10: Presence of a pole mounted transformer located west of Building D [On -Site PCA# 55 Transformer Manufacturing, Processing and Use]

With the exception of APEC 6, none of the above listed APECs were found to have adversely impacted the Site.

1.2. Location of Soil Impacts

To address APEC 6- “Bulk storage of liquid fertilizer in plastic vertical aboveground tanks located north side of the Building A”, Borehole BH10 was drilled. The elevated Cadmium and Uranium concentrations recorded in soil samples collected and tested from BH10 are shown in the following table as “**13.0**”.

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS1	0.1 – 0.6	Cadmium	1.9 vs 1.2
		Uranium	13.0 vs 2.5

Following the identification of soil impacts in Borehole BH10, three additional boreholes—BH10N, BH10E, and BH10W—were advanced for delineation purposes, each positioned approximately 3.0 m from BH10. In addition, a monitoring well was installed adjacent to BH10 (within 1.0 m) to evaluate groundwater quality in the impacted area. To vertically delineate the soil impacts, samples BH10 SS2 (2’-4’) and lower sample

BH10 (5'-6') were collected during monitoring well installation and were subjected to testing for metals. As shown in the table below, the test results indicated lower sample BH10 (5'-6') met Table 1 SCS whereas upper sample BH10 SS2 (2'-4') failed to meet Table 1 SCS due to elevated Cadmium and Uranium concentrations.

Sample ID	Sampling Depth (m)	Parameter	Results vs Table 1 SCS limit (in µg/g)
BH10 SS2 (2'-4')	0.6 – 1.2	Cadmium	1.7 vs 1.2
		Uranium	11.8 vs 2.5
BH10 (5'-6')	1.5 – 1.8	Cadmium	<0.4 vs 1.2
		Uranium	1.4 vs 2.5

The test results of the soil samples from BH10N, BH10E, BH10W were tested for metals Cadmium and Uranium and were reported back as clean meeting Table 1 SCS. No groundwater sample could be collected from the monitoring well installed in Borehole BH10, as the well remained dry throughout its installation and monitoring period. This condition was confirmed prior to the start of remediation activities, and the well never yielded groundwater for sampling. This suggests that the groundwater table at this location is likely deeper than approximately 6.0 m bgs. Given the significant depth to groundwater, the Cadmium and Uranium impacts identified in shallow soil samples at BH10 are considered unlikely to pose a risk to groundwater quality.

2. Remedial Actions and Confirmatory Sampling

GEI retained the excavation subcontractor Terra Firma Environmental Services to carry out the removal of the soil impacted with Cadmium and Uranium, which exceeded the Table 1 SCS. Remediation activities, including excavation, confirmatory sampling, and backfilling, were conducted between August 13 and September 3, 2025.

The impacted soil was located north of Building A in the vicinity of Borehole BH10. Refer to Figure 2 Showing Location of Area of Remediation. Under GEI's supervision, the excavation contractor removed approximately 118 metric tonnes (five truckloads) of impacted soil from the remediation area. The soil was transported to JCL Material & Recovery Station, a waste transfer station at 15 Bethridge Road, Etobicoke, Ontario. A copy of the waybills is included in Appendix C.

No evidence of hydrocarbon sheen, odours or any other obvious signs of contamination were noted during remedial excavation.

Following the removal of the impacted soil, the final dimensions of the remedial excavation were measured approximately to be 6.0 m by 7.0 m with a depth of 1.5 m below existing grade. Based on the contaminants of concerns and final area of excavation, confirmatory samples were collected from the floor and walls of

the remedial excavation. Initially, two (2) soil samples were collected from the excavation floor, four (4) samples from the walls (one from each wall), plus one (1) duplicate sample. All seven (7) samples were analyzed for metals, including the COCs (Cadmium and Uranium). All samples met the Table 1 SCS, except for one sample CS-S which was collected from the south wall of the remedial excavation. The sample CS-S exhibited an elevated concentration of Selenium exceeding the Table 1 SCS limit. To further assess this exceedance, three (3) additional samples were collected from the south wall, within 1.0 m of the previous tested sample CS-S.

Refer to Figure 3 showing Post Remediation Soil Conditions including the approximate locations of the confirmatory samples. Photographs documenting the subject remediated area before and after the remediation activities are included in Appendix D.

A summary of the confirmatory soil samples collected from the remedial excavation is summarized in following table.

Sample Location	Sample ID	Sample Date	Sample Depth (m bgs)	Parameters Analyzed
Excavation Floor	CS-F1	August 14, 2025	1.5	Metals
Excavation Floor	CS-F2	August 14, 2025	1.5	Metals
Excavation Floor	DUP-F2 (duplicate of sample CS-F2)	August 14, 2025	1.5	Metals
North Wall	CS-N	August 14, 2025	0.6 – 0.9	Metals
East Wall	CS-E	August 14, 2025	0.6 – 0.9	Metals
West Wall	CS-W	August 14, 2025	0.3 – 0.6	Metals
South Wall	CS-S	August 14, 2025	0.3 – 0.6	Metals
South Wall	CS-S/A	August 21, 2025	0.3 – 0.6	Metals
South Wall	CS-S/B	August 21, 2025	0.6 – 0.9	Metals
South Wall	CS-S/C	August 21, 2025	0.3 – 0.6	Metals

Organic vapour readings of the confirmatory soil samples were measured using a portable gas meter (RKI Eagle II®) calibrated to hexane (HEX) and isobutylene (IBL). All readings were measured as non-detect.

It should be noted that the existing monitoring well at BH10, located within the subject remediation area, was decommissioned during the remediation activities. Prior to decommissioning, the well was observed to have remained dry. The well pipe was removed, and the borehole was backfilled with bentonite to ensure proper sealing in accordance with O. Reg. 903.

3. Site Condition Standards

For assessment purposes, based on the client's intended residential use in the future and identified NHS on site, GEI selected MECP Table 1: Full Depth Background Site Condition Standards under Residential/Parkland/Institutional/Industrial/Commercial/ Community (RPIICC) Property Use (Table 1 SCS).

4. Confirmatory Test Results

The soil analytical test results were compared with the selected Table 1 SCS under Residential/Parkland/Institutional/Industrial/Commercial/ Community (RPIICC) Property Use.

Out of the initial seven (7) confirmatory soil samples: CS-F1, CS-F2, CS-N, CS-E, CS-W, CS-S and a duplicate sample DUP-F2, collected from the floor and walls of the remedial excavation, all samples except CS-S met the Table 1 SCS criteria. The sample CS-S, collected from the south wall, exhibited an elevated concentration of Selenium, exceeding the Table 1 criterion limit.

To further assess this exceedance, three (3) additional samples—CS-S/A, CS-S/B, and CS-S/C—were collected within 1.0 m of the original CS-S location along the south wall. All three additional samples met the Table 1 SCS for Selenium, Cadmium, Uranium, and other tested metals.

A copy of the Certificate of Analysis is provided in Appendix A for reference.

The average concentration of Selenium, calculated using the original CS-S result and the three additional samples, was calculated to be 1.2 µg/g, which is below the Table 1 SCS criterion of 1.5 µg/g. Therefore, all confirmatory samples are considered to be in compliance with Table 1 Site Condition Standards (SCS).

Refer to the table below for a summary of Selenium concentrations in the samples collected from the south wall.

Parameter	Table 1 Limit	CS-S	CS-S/A	CS-S/B	CS-S/C	Average
Selenium	1.5 µg/g	2.2 µg/g	1.0 µg/g	0.6 µg/g	1.1 µg/g	1.2 µg/g

5. Backfilling

The remediated excavation was backfilled using virgin granular material sourced from Olympia Sand & Gravel Pit and Acton Quarry. Granular B Type I material -Sourced from Olympia Sand & Gravel Pit was used for the majority of the backfill, while the near surface top 150 mm layer was backfilled using Granular A from Acton Quarry. Since the materials used for backfilling were obtained from licensed pits and quarries, no confirmatory testing was deemed required for backfill material.

6. Closure

As a result of the remedial excavation activities outlined in this letter report, the previously identified impacts in soil have been remediated. The Site is now in conformance with Table 1 SCS under RPIICC property use. The Site is considered ready for the filing of a Record of Site Condition (RSC), as required by the Town of Caledon to support the proposed residential subdivision development application

We trust this information is sufficient for your present purposes. If you have any questions concerning the above, or can be of further assistance, please feel free to contact the undersigned.

GEI CONSULTANTS CANADA LTD.



Chahana Mistry
Environmental Specialist



Aamna Arora, P.Eng., QPESA
Senior Environmental Engineer

Enclosures:

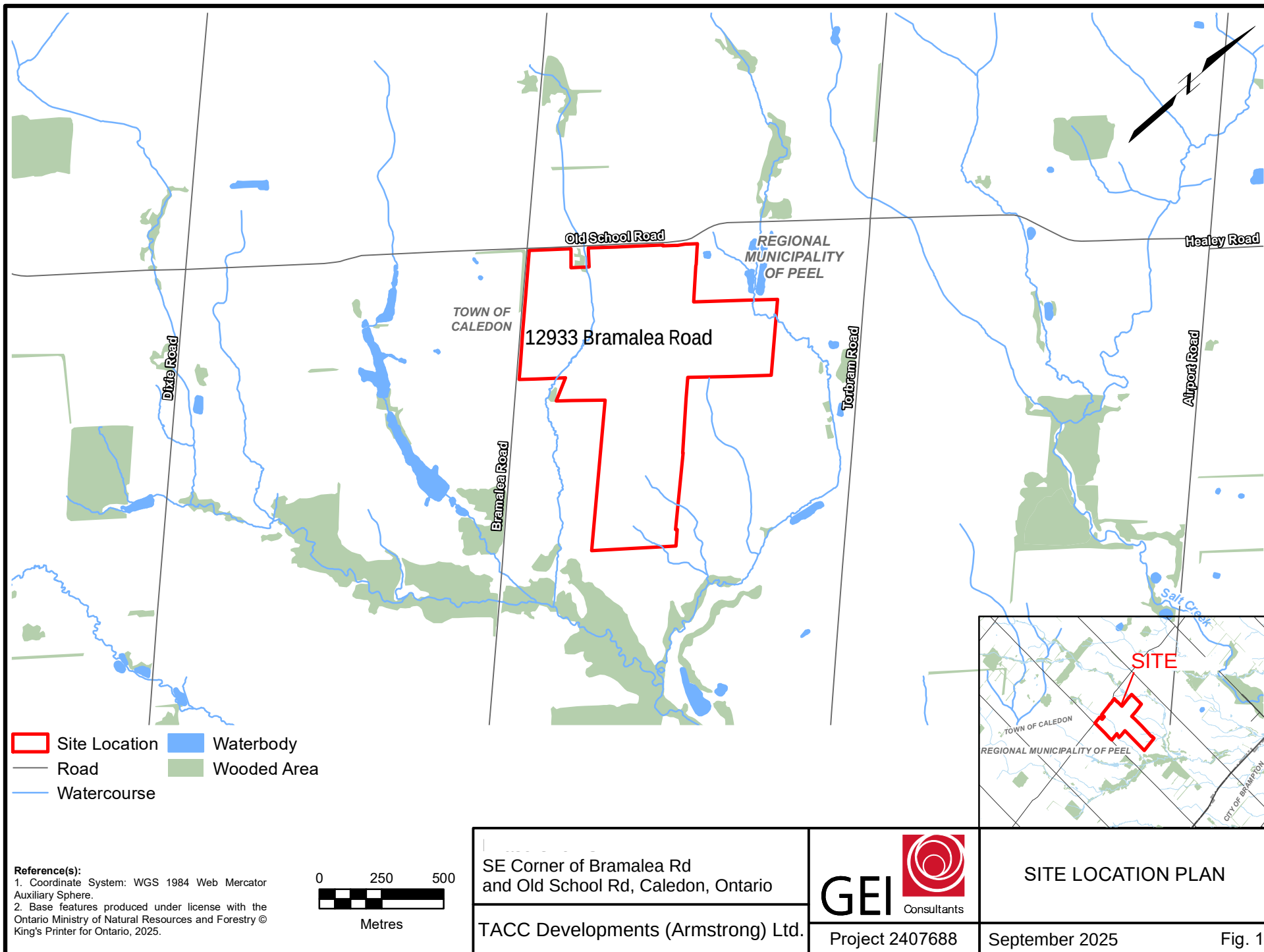
FIGURES

- Figure 1- Site Location Plan
- Figure 2- Sampling Location Plan
- Figure 3- Post Remediation Soil Conditions

APPENDICES

- Appendix A- Certificate of Analysis
- Appendix B- Analytical Tables
- Appendix C- Copy of the Waste Soil Transfer Waybills
- Appendix D- Photographs

FIGURES

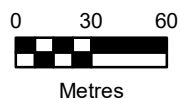




- Site Location
 Parcels
 Location of Area of Remediation (AOR) on Phase Two Property
- Road
 Former Buildings
- Watercourse
 Existing Buildings

Reference(s):

1. Coordinate System: NAD 1983 CSRS UTM Zone 17N.
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2025.
3. Orthoimagery via Town of Caledon, 2025. Imagery taken in 2024.



SE Corner of Bramalea Rd
and Old School Rd, Caledon, Ontario

TACC Developments



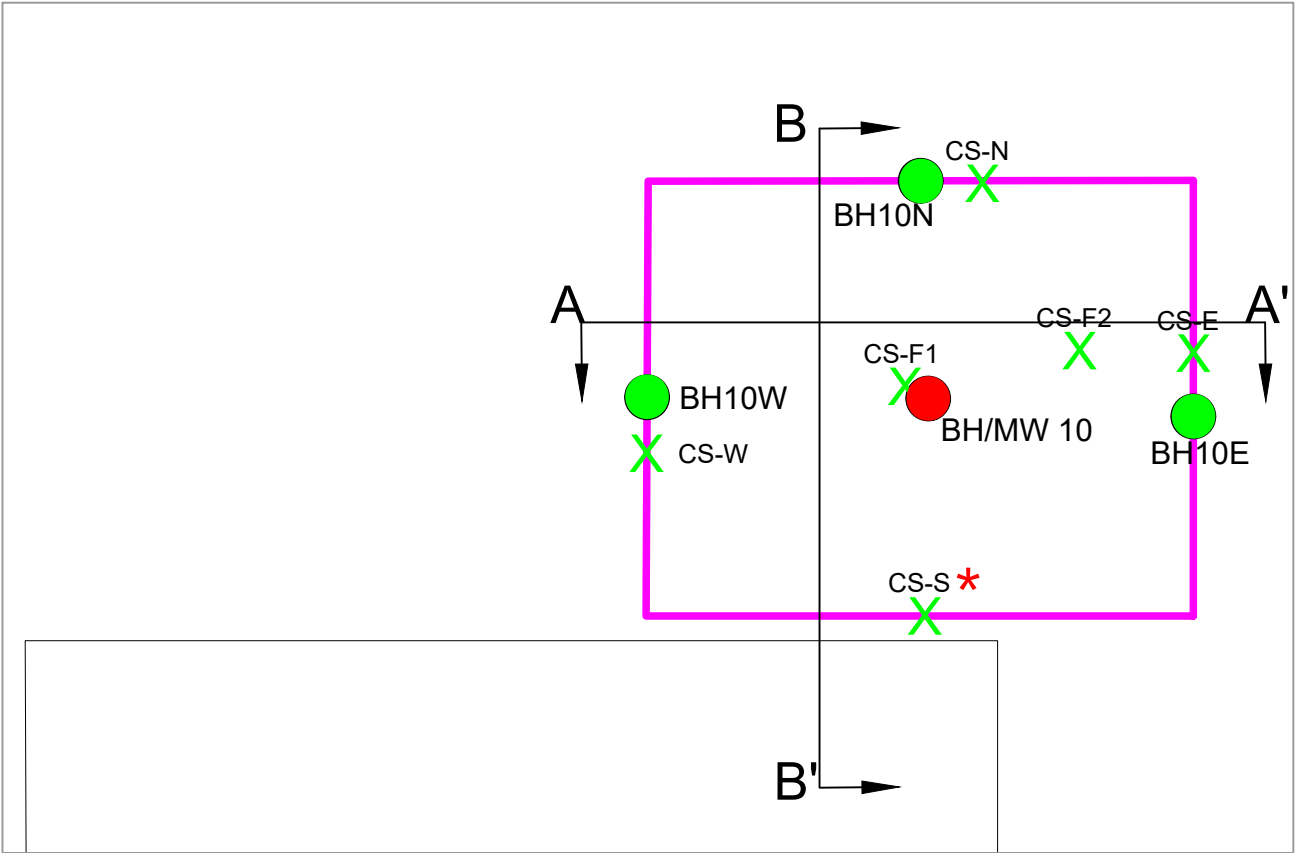
Project 2407688

Location of Area of Remediation
(AOR)

September 2025

Fig. 2

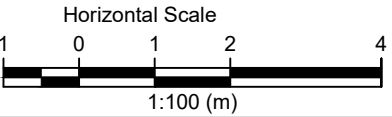
Plan View



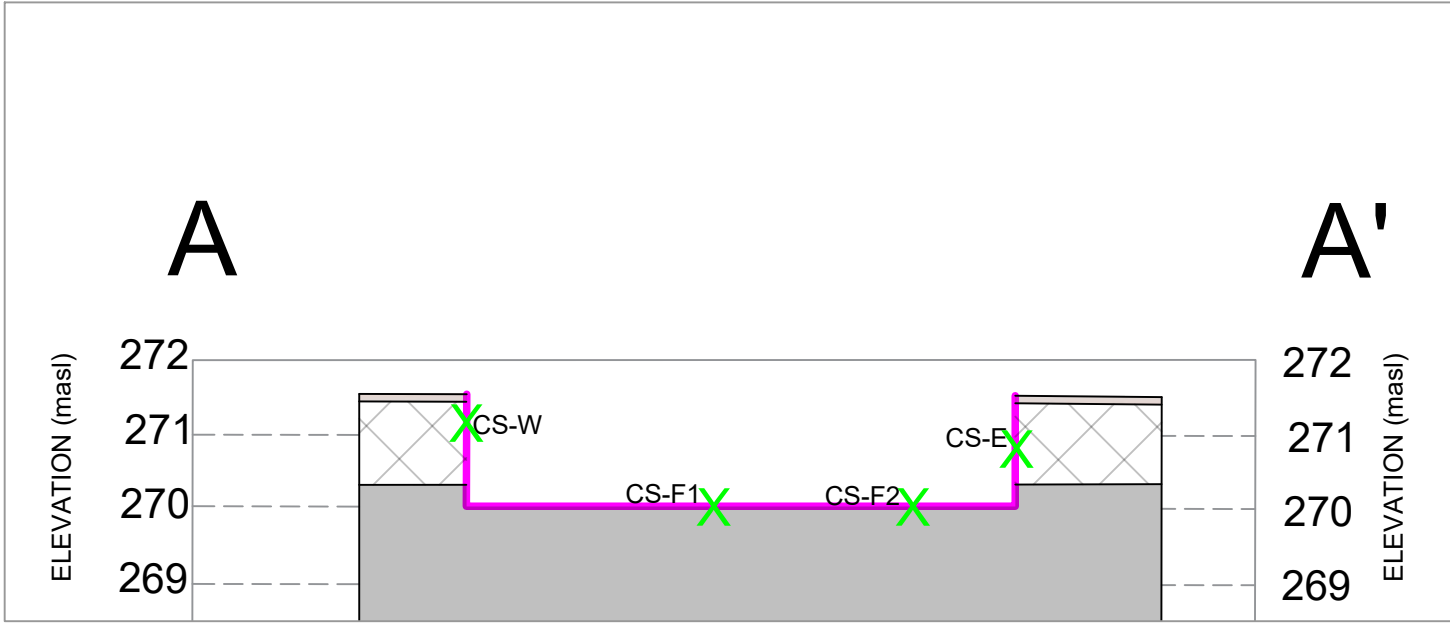
LEGEND:

- Existing Building Footprint
- Extent of Remedial Excavation
- Borehole Location with impacts (Pre-remediation)
- Borehole Location with No impacts (Pre-remediation)
- Confirmatory Sample Location (Post-remediation)

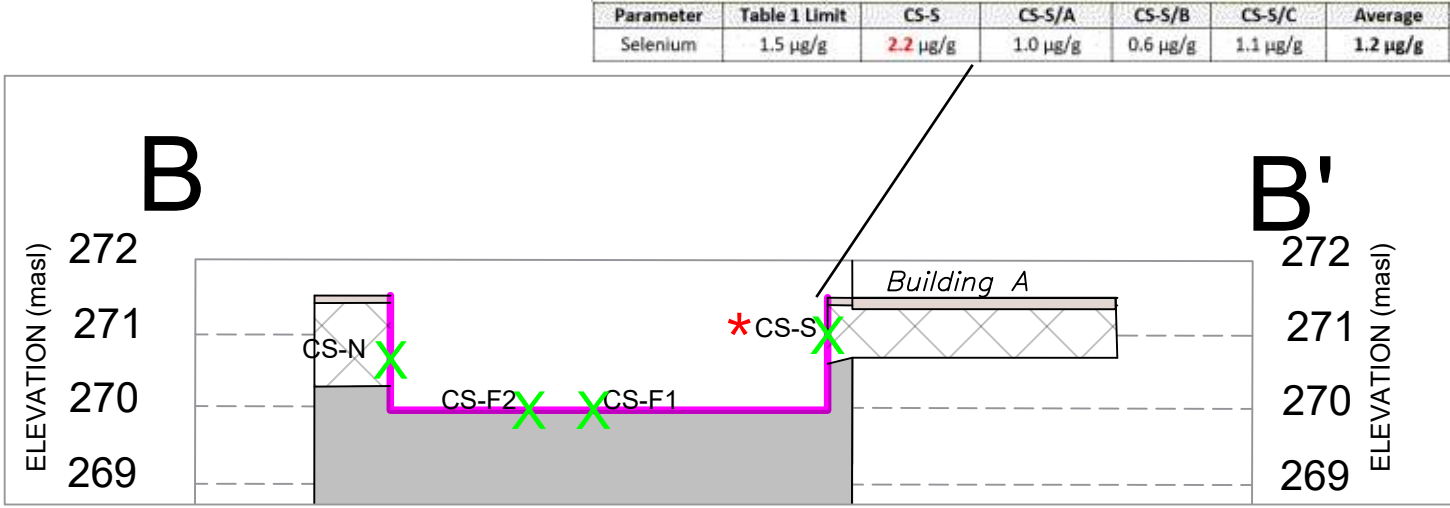
* The sample CS-S initially exhibited an elevated concentration of Selenium exceeding the Table 1 SCS limit. For further assessment, three (3) additional samples were collected from the south wall, within 1.0 m of the previous tested sample CS-S. The average concentration of Selenium, calculated using the original CS-S result and the three additional samples, was calculated to be 1.2 µg/g, which is below the Table 1 SCS criterion of 1.5 µg/g. Based on this average, sample CS-S is considered compliant with the Table 1 SCS standard.



- Fill
- Silty Fine Sand
- Silt
- Clayey Silt Till
- Concrete



Cross Section View



NOTES:
1. Subsurface conditions known only at borehole locations.

Phase Two ESA
SE Corner of Bramalea Road and Old School Road
Caledon, Peel Region, Ontario

TACC Developments

GEI Consultants

Project 2407688

Post Remediation Soil Conditions

Fig. 3

Appendices

APPENDIX A – Certificate of Analysis

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10
Remediation)
COC #: 231938
Temperature (C): 11
Custody Seal:

Page 1 of 10

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1777900	CS-N	For all samples on this report, the metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte. Ni duplicate failure has been reanalyzed and does not impact Ni results for samples on this report.
Sample ID: 1777901	CS-S	Se results have been verified with second analysis.
Sample ID: 1777904	CS-F1	Se results have been verified with second analysis.

Report Comments:

Patrick Jacques, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 21.rpt

Client: GEI Consultants Inc.
 75 Tiverton Court, Unit 100
 Markham, ON
 L3R 4M8
 Attention: Ms. Aamna Arora
 PO#:
 Invoice to: GEI Consultants Inc.

Report Number: 3018773
 Date Submitted: 2025-08-15
 Date Reported: 2025-08-20
 Project: 2407688 (TACC - BH10
 Remediation)
 COC #: 231938

O.Reg 153-T1-All Other Soils

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
Metals				
CS-S	Selenium	2.2	ug/g	STD 1.5

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10 Remediation)
COC #: 231938

Guideline = O.Reg 153-T1-All Other Soils - Res/Par/Ins/Ind/Com/Prop

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1777900	1777901	1777902	1777903	1777904	
					Soil153	Soil153	Soil153	Soil153	Soil153	
					2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-14	
					CS-N	CS-S	CS-E	CS-W	CS-F1	
Antimony	479922	1	ug/g	STD 1.3	<1	<1	<1			
	480019	1	ug/g	STD 1.3				<1	<1	
Arsenic	479922	1	ug/g	STD 18	7	7	3			
	480019	1	ug/g	STD 18				9	6	
Barium	479922	1	ug/g	STD 220	84	110	62			
	480019	1	ug/g	STD 220				122	50	
Beryllium	479922	1	ug/g	STD 2.5	<1	<1	<1			
	480019	1	ug/g	STD 2.5				<1	<1	
Boron (total)	479922	5	ug/g	STD 36	8	7	<5			
	480019	5	ug/g	STD 36				8	<5	
Cadmium	479922	0.4	ug/g	STD 1.2	<0.4	<0.4	<0.4			
	480019	0.4	ug/g	STD 1.2				<0.4	<0.4	
Chromium Total	479922	1	ug/g	STD 70	26	31	19			
	480019	1	ug/g	STD 70				33	18	
Cobalt	479922	1	ug/g	STD 21	14	12	6			
	480019	1	ug/g	STD 21				17	8	
Copper	479922	1	ug/g	STD 92	38	37	12			
	480019	1	ug/g	STD 92				48	36	
Lead	479922	1	ug/g	STD 120	10	11	6			
	480019	1	ug/g	STD 120				13	8	
Molybdenum	479922	1	ug/g	STD 2	<1	<1	<1			
	480019	1	ug/g	STD 2				<1	<1	
Nickel	479922	1	ug/g	STD 82	29	30	15			

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
 75 Tiverton Court, Unit 100
 Markham, ON
 L3R 4M8
 Attention: Ms. Aamna Arora
 PO#:
 Invoice to: GEI Consultants Inc.

Report Number: 3018773
 Date Submitted: 2025-08-15
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 Project: 2407688 (TACC - BH10 Remediation)
 COC #: 231938

Guideline = O.Reg 153-T1-All Other Soils - Res/Par/Ins/Ind/Com/Prop

Metals

					Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1777900 Soil153	1777901 Soil153	1777902 Soil153	1777903 Soil153	1777904 Soil153
						2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-14
						CS-N	CS-S	CS-E	CS-W	CS-F1
Analyte	Batch No	MRL	Units	Guideline						
Nickel	480019	1	ug/g	STD 82					36	18
Selenium	479922	0.5	ug/g	STD 1.5		1.5		0.9		
	480062	1	ug/g	STD 1.5					1	
	480096	0.5	ug/g	STD 1.5						1.4
		1	ug/g	STD 1.5			2.2*			
Silver	479922	0.2	ug/g	STD 0.5		<0.2	<0.2	<0.2		
	480019	0.2	ug/g	STD 0.5					<0.2	<0.2
Thallium	479922	1	ug/g	STD 1		<1	<1	<1		
	480019	1	ug/g	STD 1					<1	<1
Uranium	479922	0.5	ug/g	STD 2.5		<0.5	0.5	<0.5		
	480019	0.5	ug/g	STD 2.5					0.7	<0.5
Vanadium	479922	2	ug/g	STD 86		35	39	26		
	480019	2	ug/g	STD 86					45	27
Zinc	479922	2	ug/g	STD 290		65	67	28		
	480019	2	ug/g	STD 290					89	55

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10 Remediation)
COC #: 231938

Guideline = O.Reg 153-T1-All Other Soils - Res/Par/Ins/Ind/Com/Prop

Metals

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1777905
Soil153

2025-08-14

CS-F2

1777906
Soil153

2025-08-14

DUP-F2

Analyte	Batch No	MRL	Units	Guideline		
Antimony	480019	1	ug/g	STD 1.3	<1	<1
Arsenic	480019	1	ug/g	STD 18	7	7
Barium	480019	1	ug/g	STD 220	45	42
Beryllium	480019	1	ug/g	STD 2.5	<1	<1
Boron (total)	480019	5	ug/g	STD 36	<5	<5
Cadmium	480019	0.4	ug/g	STD 1.2	<0.4	<0.4
Chromium Total	480019	1	ug/g	STD 70	20	19
Cobalt	480019	1	ug/g	STD 21	11	10
Copper	480019	1	ug/g	STD 92	41	38
Lead	480019	1	ug/g	STD 120	9	8
Molybdenum	480019	1	ug/g	STD 2	<1	<1
Nickel	480019	1	ug/g	STD 82	23	21
Selenium	480062	0.5	ug/g	STD 1.5		1.4
		1	ug/g	STD 1.5	1	
Silver	480019	0.2	ug/g	STD 0.5	<0.2	<0.2
Thallium	480019	1	ug/g	STD 1	<1	<1
Uranium	480019	0.5	ug/g	STD 2.5	<0.5	<0.5
Vanadium	480019	2	ug/g	STD 86	28	28
Zinc	480019	2	ug/g	STD 290	57	54

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Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10
Remediation)
COC #: 231938

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
479922	Silver	<0.2 ug/g	90	70-130	114	70-130	0	0-30
479922	Arsenic	<1 ug/g	98	70-130	104	70-130	0	0-30
479922	Boron (total)	<5 ug/g	102	70-130	144	70-130	0	0-30
479922	Barium	<1 ug/g	102	70-130	151	70-130	1	0-30
479922	Beryllium	<1 ug/g	104	70-130	114	70-130	0	0-30
479922	Cadmium	<0.4 ug/g	105	70-130	116	70-130	0	0-30
479922	Cobalt	<1 ug/g	106	70-130	108	70-130	11	0-30
479922	Chromium Total	<1 ug/g	106	70-130	157	70-130	10	0-30
479922	Copper	<1 ug/g	111	70-130	105	70-130	6	0-30
479922	Molybdenum	<1 ug/g	99	70-130	103	70-130	0	0-30
479922	Nickel	<1 ug/g	107	70-130	84	70-130	35	0-30
479922	Lead	<1 ug/g	113	70-130	110	70-130	2	0-30
479922	Antimony	<1 ug/g	98	70-130	109	70-130	0	0-30
479922	Selenium	<0.5 ug/g	103	70-130	120	70-130	0	0-30
479922	Thallium	<1 ug/g	113	70-130	110	70-130	0	0-30
479922	Uranium	<0.5 ug/g	108	70-130	109	70-130	0	0-30
479922	Vanadium	<2 ug/g	103	70-130	145	70-130	4	0-30
479922	Zinc	<2 ug/g	112	70-130	122	70-130	0	0-30
480019	Silver	<0.2 ug/g	102	70-130	115	70-130	0	0-30
480019	Arsenic	<1 ug/g	101	70-130	106	70-130	0	0-30
480019	Boron (total)	<5 ug/g	106	70-130	127	70-130	0	0-30
480019	Barium	<1 ug/g	106	70-130	120	70-130	3	0-30
480019	Beryllium	<1 ug/g	108	70-130	110	70-130	0	0-30
480019	Cadmium	<0.4 ug/g	107	70-130	114	70-130	0	0-30
480019	Cobalt	<1 ug/g	108	70-130	109	70-130	1	0-30
480019	Chromium Total	<1 ug/g	109	70-130	84	70-130	9	0-30
480019	Copper	<1 ug/g	113	70-130	95	70-130	4	0-30
480019	Molybdenum	<1 ug/g	104	70-130	109	70-130	0	0-30
480019	Nickel	<1 ug/g	112	70-130	90	70-130	8	0-30
480019	Lead	<1 ug/g	116	70-130	108	70-130	5	0-30
480019	Antimony	<1 ug/g	93	70-130	108	70-130	0	0-30
480019	Thallium	<1 ug/g	116	70-130	113	70-130	0	0-30

Results relate only to the parameters tested on the samples submitted.
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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10
Remediation)
COC #: 231938

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
480019	Uranium	<0.5 ug/g	111	70-130	118	70-130	0	0-30
480019	Vanadium	<2 ug/g	103	70-130	121	70-130	12	0-30
480019	Zinc	<2 ug/g	116	70-130	234	70-130	0	0-30
480062	Selenium	<1 ug/g	99	70-130	119	70-130	0	0-30
480096	Selenium	<1 ug/g	105	70-130	106	70-130	0	0-30

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MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10
Remediation)
COC #: 231938

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
479922	Silver	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Arsenic	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Boron (total)	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Barium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Beryllium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Cadmium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Cobalt	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Chromium Total	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Copper	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Molybdenum	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Nickel	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Lead	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Antimony	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Selenium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Thallium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Uranium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Vanadium	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
479922	Zinc	ICAPQ-MS	2025-08-18	2025-08-18	AaN	EPA 200.8/6020
480019	Silver	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Arsenic	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Boron (total)	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Barium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Beryllium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Cadmium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Cobalt	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Chromium Total	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Copper	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Molybdenum	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Nickel	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Lead	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Antimony	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Thallium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10 Remediation)
COC #: 231938

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
480019	Uranium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Vanadium	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480019	Zinc	ICAPQ-MS	2025-08-19	2025-08-19	AaN	EPA 200.8/6020
480062	Selenium	ICAPQ-MS	2025-08-19	2025-08-20	AaN	EPA 200.8/6020
480096	Selenium	ICAPQ-MS	2025-08-20	2025-08-20	AaN	EPA 200.8/6020

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

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75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
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Report Number: 3018773
Date Submitted: 2025-08-15
Date Reported: 2025-08-20
Project: 2407688 (TACC - BH10 Remediation)
COC #: 231938

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

CLIENT INFORMATION

Company: **GIE Consultants**
 Contact: **Aamna Arora**
 Address: **650 Woodlawn Road W, Block C, Unit 2, Guelph**
 Telephone: **416-710-0616**
 Email: **R2: aarora@geiconsultants.com**
R2: cmistry@geiconsultants.com
 Project: **2407688 (TACC) BHI0 Remediation** Date: **192092**

TURN-AROUND TIME (Business Days)

☐ 1 Day* (100%) ☐ 2 Day** (50%) ☒ 3-5 Days (25%) ☐ 5-7 Days (Standard)

Please contact Lab in advance to determine rush availability. *For results reported after rush due date, surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **For results reported after rush due date, surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.

SLP, SLP, PFA, and NP/KP the rush surcharges are 100% (3 day) and 50% (4 day). For farm soils the rush surcharge is 100% (3-5 days). Regular EAT is 10 days.

The optimal temperature conditions during transport is 4 - 10°C. Samples cannot be frozen, unless otherwise indicated or agreed upon with the Laboratory. This COC must not be used for drinking water samples. The COC must be completed upon submission of the samples. There is a \$25 surcharge if required information or missing required fields are added in grey.

Occasionally, situations arise in which Eurofins Environment Testing Canada (ETC) is unable to protect a sample after receipt. By signing this chain-of-custody form, the client agrees that Eurofins Environment Testing Canada (ETC) may subcontract samples to a laboratory that is similarly accredited. This subcontracted laboratory will perform the same analysis using the same or similar methodology. Agreements made in advance or subcontracted to a specific laboratory will be honored.

Sample ID	Date/Time Collected	Sample Matrix	# of Containers
CS-N	14 Aug '25	Soil	1
CS-S		"	1
CS-E		"	1
CS-W		"	1
CS-F1		"	1
CS-F2		"	1
DUP-F2		"	1

Sample Details

Field Filtered →		O.Reg. 153/04 parameters									
Sample Matrix	# of Containers	PHACET - PA	BTEX	VOCs	PAHs	PCBs	Metals - inorganic	Metals - organic	Microbial only		
Soil	1								X		
"	1								X		
"	1								X		
"	1								X		
"	1								X		
"	1								X		
"	1								X		

RNM
(Lab Use Only)

777900
01
02
03
04
05
06

RUSH

800-257-5330

INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES ☒ NO ☐

Company: **GIE Consultants**
 Contact: **Aamna Arora**
 Address: **650 Woodlawn Road W, Block C, Unit 2, Guelph**
 Telephone: **416-710-0616**
 Email: **R2: aarora@geiconsultants.com**
R2: cmistry@geiconsultants.com
 Project: **2407688 (TACC) BHI0 Remediation** Date: **192092**

REGULATION/GUIDELINE REQUIRED

- ☐ Sanitary Sewer, City:
☐ Storm Sewer, City:
☐ DDWSOG (Use ON QSC if samples are for human consumption)
☐ PMQID
☐ O.Reg. 347 (TCLP)
☐ Other: _____

☐ O.Reg. 153/04

The sample results from this submission will form part of a future report of the Condition (SC) under O.Reg. 153/04. Analysis of this parameter is only required if:

Yes ☐ No ☐

☐ O.Reg. 405 Excess Soils

Table # _____ Full depth/Strat/Excav/mSPL Leachate
 Type: Com-Std / Res-Pass / Agri / GW / All Other / Sediment
 Category: Surface / Subsurface

PRINT NAME

LOCATION

SIGN

DATE/TIME

TEMP (°C)

Sampled By: **Chahana Mistry**
 Reinspected By: **S.S.A.**
 Received By: **OTC**
 Analyzed By: **OTC**
 COMMENTS:

CUSTODY SEAL: ☐ YES ☐ NO ☐ NO SEAL NEEDED ☐ YES ☐ NO

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
Invoice to: GEI Consultants Inc.
PO#:

Report Number: 3018949
Date Submitted: 2025-08-22
Date Reported: 2025-08-26
Project: 2407688 (TACC -
South Wall CS)
COC #: 922093
Temperature (C): 10
Custody Seal:

Page 1 of 6

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1778825 CS-S/A For all samples on this report, the metals spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

Report Comments:

Addrine Thomas, Inorganics Supervisor

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

EETC Reg 153 Version 21.rpt

Client: GEI Consultants Inc.
 75 Tiverton Court, Unit 100
 Markham, ON
 L3R 4M8
 Attention: Ms. Aamna Arora
 PO#:
 Invoice to: GEI Consultants Inc.

Report Number: 3018949
 Date Submitted: 2025-08-22
 Date Reported: 2025-08-26
 Project: 2407688 (TACC - South
 Wall CS)
 COC #: 922093

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018949
Date Submitted: 2025-08-22
Date Reported: 2025-08-26
Project: 2407688 (TACC - South
Wall CS)
COC #: 922093

Guideline = O.Reg 153-T1-All Other Soils - Res/Par/Ins/Ind/Com/Prop

Metals

Lab I.D.
Sample Matrix
Sample Type
Sample Date
Sampling Time
Sample I.D.

1778825 Soil153	1778826 Soil153	1778827 Soil153
2025-08-21	2025-08-21	2025-08-21
CS-S/A	CS-S/B	CS-S/C

Analyte	Batch No	MRL	Units	Guideline
---------	----------	-----	-------	-----------

Antimony	480299	1	ug/g	STD 1.3	<1	<1	<1
Arsenic	480299	1	ug/g	STD 18	8	6	7
Barium	480299	1	ug/g	STD 220	82	79	117
Beryllium	480299	1	ug/g	STD 2.5	<1	<1	<1
Boron (total)	480299	5	ug/g	STD 36	10	7	9
Cadmium	480299	0.4	ug/g	STD 1.2	<0.4	<0.4	<0.4
Chromium Total	480299	1	ug/g	STD 70	34	30	36
Cobalt	480299	1	ug/g	STD 21	15	14	16
Copper	480299	1	ug/g	STD 92	49	37	46
Lead	480299	1	ug/g	STD 120	12	12	12
Molybdenum	480299	1	ug/g	STD 2	<1	<1	<1
Nickel	480299	1	ug/g	STD 82	35	30	35
Selenium	480299	0.5	ug/g	STD 1.5	1.0	0.6	1.1
Silver	480299	0.2	ug/g	STD 0.5	<0.2	<0.2	<0.2
Thallium	480299	1	ug/g	STD 1	<1	<1	<1
Uranium	480299	0.5	ug/g	STD 2.5	0.6	<0.5	0.6
Vanadium	480299	2	ug/g	STD 86	42	41	44
Zinc	480299	2	ug/g	STD 290	70	60	74

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational
Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim
Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial
Water Quality Guideline, IPWQO = Interim Provincial Water Quality
Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018949
Date Submitted: 2025-08-22
Date Reported: 2025-08-26
Project: 2407688 (TACC - South Wall CS)
COC #: 922093

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
480299	Silver	<0.2 ug/g	105	70-130	134	70-130	0	0-30
480299	Arsenic	<1 ug/g	101	70-130	123	70-130	0	0-30
480299	Boron (total)	<5 ug/g	99	70-130	150	70-130	0	0-30
480299	Barium	<1 ug/g	105	70-130	127	70-130	11	0-30
480299	Beryllium	<1 ug/g	100	70-130	121	70-130	0	0-30
480299	Cadmium	<0.4 ug/g	110	70-130	129	70-130	0	0-30
480299	Cobalt	<1 ug/g	112	70-130	139	70-130	4	0-30
480299	Chromium Total	<1 ug/g	116	70-130	176	70-130	2	0-30
480299	Copper	<1 ug/g	117	70-130	147	70-130	3	0-30
480299	Molybdenum	<1 ug/g	112	70-130	127	70-130	0	0-30
480299	Nickel	<1 ug/g	116	70-130	148	70-130	5	0-30
480299	Lead	<1 ug/g	111	70-130	137	70-130	2	0-30
480299	Antimony	<1 ug/g	99	70-130	123	70-130	0	0-30
480299	Selenium	<0.5 ug/g	103	70-130	114	70-130	0	0-30
480299	Thallium	<1 ug/g	110	70-130	126	70-130	0	0-30
480299	Uranium	<0.5 ug/g	101	70-130	128	70-130	0	0-30
480299	Vanadium	<2 ug/g	110	70-130	197	70-130	2	0-30
480299	Zinc	<2 ug/g	111	70-130	160	70-130	2	0-30

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
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Report Number: 3018949
Date Submitted: 2025-08-22
Date Reported: 2025-08-26
Project: 2407688 (TACC - South
Wall CS)
COC #: 922093

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
480299	Silver	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Arsenic	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Boron (total)	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Barium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Beryllium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Cadmium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Cobalt	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Chromium Total	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Copper	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Molybdenum	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Nickel	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Lead	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Antimony	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Selenium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Thallium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Uranium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Vanadium	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020
480299	Zinc	ICAPQ-MS	2025-08-25	2025-08-25	AaN	EPA 200.8/6020

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GEI Consultants Inc.
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Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018949
Date Submitted: 2025-08-22
Date Reported: 2025-08-26
Project: 2407688 (TACC - South
Wall CS)
COC #: 922093

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

401 Magnetic Drive, Unit 42, North York, ON, M3J 3A9 • Telephone: 416-661-5287 • 345 Westside Road, Unit 6030, St. Catharines, ON, L2S 0G6 • Telephone: 905-680-8887 • 669 Morris Court, Simsbury, ON, K7P 2R9 • Telephone: 613-634-9337
 171 P-4271-6667 • Division: 10 (University of St. Michael's)



Environment Testing

Certificate of Analysis

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018078
Date Submitted: 2025-07-18
Date Reported: 2025-07-24
Project: 2407688 - TACC BH10 TCLP
COC #: 921366

Page 1 of 3

Dear Aamna Arora:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL:

Rebecca Koshy, Project Manager

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at: <https://directory.cala.ca/>.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is licensed by the Ontario Ministry of the Environment, Conservation, and Parks (MECP) for specific tests in drinking water (license #2318). A copy of the license is available upon request.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Eurofins_multisample(L)45.rpt

Certificate of Analysis

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
Markham, ON
L3R 4M8
Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018078
Date Submitted: 2025-07-18
Date Reported: 2025-07-24
Project: 2407688 - TACC BH10 TCLP
COC #: 921366

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.
					1774833 R347 2025-05-08 TCLP-BH10
Group	Analyte	MRL	Units	Guideline	
Leachate	REG 558 Leach				y
Metals	Ag	0.01	mg/L	LQC 5	<0.01
	As	0.02	mg/L	LQC 2.5	<0.02
	B	0.1	mg/L	LQC 500.0	0.2
	Ba	0.01	mg/L	LQC 100.0	0.13
	Cd	0.008	mg/L	LQC 0.5	<0.008
	Cr	0.05	mg/L	LQC 5.0	<0.05
	Hg	0.0001	mg/L	LQC 0.1	<0.0001
	Pb	0.01	mg/L	LQC 5.0	<0.01
	Se	0.02	mg/L	LQC 1.0	<0.02
	U	0.01	mg/L	LQC 10.0	<0.01
Moisture	Moisture-Humidite	0.1	%		12.4

Guideline = REG 558

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.
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Certificate of Analysis

Client: GEI Consultants Inc.
75 Tiverton Court, Unit 100
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Attention: Ms. Aamna Arora
PO#:
Invoice to: GEI Consultants Inc.

Report Number: 3018078
Date Submitted: 2025-07-18
Date Reported: 2025-07-24
Project: 2407688 - TACC BH10 TCLP
COC #: 921366

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 478634 Analysis/Extraction Date 2025-07-21 Analyst AsN Method ASTM 2216			
Moisture-Humidite			80-120
REG 558 Leach			
Run No 478728 Analysis/Extraction Date 2025-07-22 Analyst AaN Method EPA 200.8			
Silver	<0.01 mg/L	100	70-130
Arsenic	<0.02 mg/L	109	70-130
Boron (total)	<0.1 mg/L	110	70-130
Barium	<0.01 mg/L	114	70-130
Cadmium	<0.008 mg/L	116	70-130
Chromium Total	<0.05 mg/L	120	70-130
Mercury	<0.0001 mg/L	110	70-130
Lead	<0.01 mg/L	122	70-130
Selenium	<0.02 mg/L	115	70-130
Uranium	<0.01 mg/L	109	70-130

Guideline = REG 558

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

APPENDIX B – ANALYTICAL TABLES

TABLE D.1 Soil Analytical Test Results- Metals and Inorganics

Parameter	Sample ID	CS-N	CS-S	CS-E	CS-W	CS-F1	CS-F2	DUP-F2	CS-S/A	CS-S/B	CS-S/C
	Sample Date	2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-14	2025-08-21	2025-08-21	2025-08-21
	Sample Depth (in m)	0.6 - 0.9	0.3 – 0.6	0.6 - 0.9	0.3 – 0.6	0.0 - 1.5	0.0 - 1.5	0.0 - 1.5	0.3 – 0.6	0.6 – 0.9	0.3 – 0.6
	Table 1 SCS RPI/ICC										
Antimony	1.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	18	7	7	3	9	6	7	7	8	6	7
Barium	220	84	110	62	122	50	45	42	82	79	117
Beryllium	2.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	36	8	7	<5	8	<5	<5	<5	10	7	9
Cadmium	1.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Chromium	70	26	31	19	33	18	20	19	34	30	36
Cobalt	21	14	12	6	17	8	11	10	15	14	16
Copper	92	38	37	12	48	36	41	38	49	37	46
Lead	120	10	11	6	13	8	9	8	12	12	12
Molybdenum	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nickel	82	29	30	15	36	18	23	21	35	30	35
Selenium	1.5	1.5	2.2 *	0.9	1	1.4	1	1.4	1	0.6	1.1
Silver	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Uranium	2.5	<0.5	0.5	<0.5	0.7	<0.5	<0.5	<0.5	0.6	<0.5	0.6
Vanadium	86	35	39	26	45	27	28	28	42	41	44
Zinc	290	65	67	28	89	55	57	54	70	60	74

"Bold and Underlined" like DUP-F2 denotes Duplicate Sample

All concentrations in ug/g

Recorded Concentration Exceeds Table 1 SCS RPI/ICC (all textured) **2.2**

Parameter	Table 1 Limit	CS-S	CS-S/A	CS-S/B	CS-S/C	Average
Selenium	1.5 µg/g	2.2 µg/g	1.0 µg/g	0.6 µg/g	1.1 µg/g	1.2 µg/g

* The average concentration of Selenium, calculated using the original CS-S result and the three additional samples, was calculated to be 1.2 µg/g, which is below the Table 1 SCS criterion of 1.5 µg/g. Therefore, all confirmatory samples are considered to be in compliance with Table 1 Site Condition Standards (SCS).

APPENDIX C- Copy of the Waste Soil Transfer Waybills

AUGUST 14, 2025

TICKET	SHIPPED FROM	CUSTOMER	TONNES
121301	12933 BRAMALEA ROAD	ALLIANCE TRUCKING	22.69
121318	12933 BRAMALEA ROAD	ALLIANCE TRUCKING	23.09
121329	12933 BRAMALEA ROAD	ALLIANCE TRUCKING	24.10
121347	12933 BRAMALEA ROAD	ALLIANCE TRUCKING	24.50
		TOTAL	94.38

Ticket #: 121301

8/14/2025

7:21

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M5 - TEL: 416.674.6858 - FAX: 416.674.5018

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 35,690 Kg

PO #: 365

Net: 22,690 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Zeb

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless. Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

NOTE: TRUCK SAFETY IS EVERYONE'S CONCERN. PLEASE ENSURE YOUR COMPLIANCE WITH THE LEGISLATION STANDARDS AND BETHRIDGE AGGREGATES SAFETY POLICY. WE DELIVER TO THE CURB LINE. CUSTOMER IS RESPONSIBLE FOR MOVING TRUCKS ON THE JOB AND ALL DAMAGE CONNECTED THEREWITH. CUSTOMER IS LIABLE FOR THE STANDBY TIME.

Ticket #: 121301

8/14/2025

7:21

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M5 - TEL: 416.674.6858 - FAX: 416.674.5018

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 35,690 Kg

PO #: 365

Net: 22,690 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Zeb

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless. Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

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MOE# 4735-7QUHYJ

Ticket #: 121318

8/14/2025

10:39

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.6858 - FAX: 416.674.5016

Customer JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 36,090 Kg

PO #: 365

Net: 23,090 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

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MOE# 4735-7QUHYJ

Ticket #: 121318

8/14/2025

10:39

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.6858 - FAX: 416.674.5016

Customer JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 36,090 Kg

PO #: 365

Net: 23,090 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

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Ticket #: 121329

8/14/2025

12:34

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.6858 - FAX: 416.674.5018

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 37,100 Kg

PO #: 365

Net: 24,100 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

NOTE: TRUCK SAFETY IS EVERYONE'S CONCERN. PLEASE ENSURE YOUR COMPLIANCE WITH THE LEGISLATION STANDARDS AND BETHRIDGE AGGREGATES SAFETY POLICY. WE DELIVER TO THE CURB LINE. CUSTOMER IS RESPONSIBLE FOR MOVING TRUCKS ON THE JOB AND ALL DAMAGE CONNECTED THEREWITH. CUSTOMER IS LIABLE FOR THE STANDBY TIME.

Ticket #: 121329

8/14/2025

12:34

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.6858 - FAX: 416.674.5018

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 37,100 Kg

PO #: 365

Net: 24,100 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

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Ticket #: 121347

8/14/2025

14:50

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.8858 - FAX: 416.674.5016

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 37,500 Kg

PO #: 365

Net: 24,500 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

NOTE: TRUCK SAFETY IS EVERYONE'S CONCERN. PLEASE ENSURE YOUR COMPLIANCE WITH THE LEGISLATION STANDARDS AND BETHRIDGE AGGREGATES SAFETY POLICY. WE DELIVER TO THE CURB LINE. CUSTOMER IS RESPONSIBLE FOR MOVING TRUCKS ON THE JOB AND ALL DAMAGE CONNECTED THEREWITH. CUSTOMER IS LIABLE FOR THE STANDBY TIME.

Ticket #: 121347

8/14/2025

14:50

15 BETHRIDGE ROAD - ETOBICOKE - ON - M9W 1M6 - TEL: 416.674.8858 - FAX: 416.674.5016

Customer: JCL Material & Recovery Station

Tare: 13,000 Kg

Ship From: 12933 Bramalea Rd

Gross: 37,500 Kg

PO #: 365

Net: 24,500 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: Antonio

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless, Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE:

CUSTOMER SIGNATURE:

NOTE: TRUCK SAFETY IS EVERYONE'S CONCERN. PLEASE ENSURE YOUR COMPLIANCE WITH THE LEGISLATION STANDARDS AND BETHRIDGE AGGREGATES SAFETY POLICY. WE DELIVER TO THE CURB LINE. CUSTOMER IS RESPONSIBLE FOR MOVING TRUCKS ON THE JOB AND ALL DAMAGE CONNECTED THEREWITH. CUSTOMER IS LIABLE FOR THE STANDBY TIME.



MOE# 4735-7QUHYJ

Ticket #: 122499

2025-08-15

8:04

15 BETHRIDGE ROAD ~ ETOBICOKE ~ ON ~ M9W 1M6 ~ TEL: 416.674.6858 ~ FAX: 416.674.5016

Customer: JCL Material & Recovery Station

Tare: 14,000 Kg

Ship From: 12933 Bramalea rd

Gross: 37,990 Kg

PO #: 362

Net: 23,990 Kg

Delivered By:

Truck: Cust. P/U-Du Type: Dump truck

Material: Non Hazardous Soil

Scale Operator: chris

Inbound Ticket

I/WE represent and warrant that the material delivered for the disposal is solid non-hazardous waste material excluding radioactive, volatile, highly flammable, explosive, bio-medical, or other hazardous material. The term "hazardous material" shall include, but not be limited to, any waste, regardless of the amount, listed or characterized as hazardous by any federal, provincial or municipal rules, regulations or laws. Title and liability for any hazardous material shall remain with the Customer and Customer expressly agrees to defend, indemnify and hold harmless. Ontario Truck and Disposal Ltd. or their agents and assigns from any and all damages, penalties, fines and liabilities resulting from or arising out of such receipt and handling or subsequent disposition of hazardous material.

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

NOTE: TRUCK SAFETY IS EVERYONE'S CONCERN. PLEASE ENSURE YOUR COMPLIANCE WITH THE LEGISLATION STANDARDS AND BETHRIDGE AGGREGATES SAFETY POLICY. WE DELIVER TO THE CURB LINE. CUSTOMER IS RESPONSIBLE FOR MOVING TRUCKS ON THE JOB AND ALL DAMAGE CONNECTED THEREWITH. CUSTOMER IS LIABLE FOR THE STANDBY TIME.

APPENDIX D- Photographs



PHOTOGRAPH 1: REMOVAL OF CONCRETE SLAB AT THE SURFACE



PHOTOGRAPH 2: EXCAVATION IN PROGRESS



PHOTOGRAPH 3: DEPTH OF EXCAVATION ~1.5m, (looking west wall)



PHOTOGRAPH 4: COMPLETION OF REMEDIAL EXCAVATION, (looking northeast)



PHOTOGRAPH 5: BACKFILLING IN PROGRESS, (looking southeast)



PHOTOGRAPH 6: COMPLETION OF BACKFILLING, (looking northeast)