



**TOWN OF CALEDON
PLANNING
RECEIVED**

March, 17, 2021

12035 Dixie Road, Caledon

Final

Phase II Environmental Site Assessment

Project Location:

12035 Dixie Road, Caledon, ON

Prepared for:

Tribal Partners
201-2700 Steeles Avenue West
Vaughan, ON L4K 3C8

Prepared by:

MTE Consultants
1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8

December 18, 2020

MTE File No.: 47477-200



Executive Summary

MTE Consultants Inc. (MTE) was retained by Tribal Partners to conduct a Phase II Environmental Site Assessment (ESA) for the property located at municipal address 12035 Dixie Road in Caledon, Ontario (the “Site”). The Phase II ESA was completed for due diligence purposes in advance of a potential property transaction, and not to support the filing of an Ontario Ministry of the Environment, Conservation and Parks (MECP) Record of Site Condition (RSC) under Ontario Regulation (O.Reg.) 153/04. Tribal Partners is considering purchase of the Site for redevelopment for industrial use.

Site Description

The Site is approximately 55 hectares (135 acres) in area and is located on the east side of Dixie Road and the north side of Mayfield Road in an agricultural area of Caledon. Structures on the Site include a mobile home, a machinery storage barn, two Quonset huts, and a trailer. The remainder of the Site is occupied by agricultural fields, some paved surfaces, and two watercourses. Vehicle access to the Site is provided via Spokane Street, a gravel roadway from Dixie Road. The Site has been an active farming property since the early 1900s.

The mobile home, machinery storage barn and two Quonset huts were reported to have been imported to the Site in the 2000s. The mobile home is currently occupied for residential use. The machinery storage barn is currently being used for truck storage, including a spray truck used for farming activities, and was previously used for housing cattle. The Quonset huts are also used for housing livestock. The trailer is currently being used as an office space for a landscaping company.

Scope of Work

The scope of work for the Phase II ESA was developed based on the results of a previous Phase I ESA (MTE, 2020), which identified potential environmental concerns on the Site as a result of historical fill placement, the potential use and storage of agricultural chemicals (e.g., pesticides) and the use of an aboveground fuel storage tank (AST). Potential off-Site environmental concerns included operations at the property to the north at 12321 Dixie Road, which was historically occupied by a ready-mix concrete company, a trucking company and a concrete foundation and structures company with two active fuel storage tanks.

The Phase II ESA included the collection and analysis of soil samples collected from boreholes advanced across the Site and in the areas of potential concern. Groundwater samples were collected from four monitoring wells to evaluate general groundwater quality. Soil samples were collected and submitted for analysis of one or more of metals, hydride-forming metals (As, Sb, Se), pH, organochlorine pesticides (OCs), petroleum hydrocarbons (PHCs) and volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene and xylenes (BTEX). Groundwater samples were collected and submitted for analysis of metals, As, Sb, Se, OCs, PHCs and BTEX.

The analytical results were compared to the Ministry of Environment, Conservation and Parks (MECP) 2011 Table 1 Full Depth Background Site Condition Standards (2011 Table 1 SCSs) as a result of the northeastern area of the Site being designated as “Core Areas of the Greenlands System” in the Region of Peel Official Plan, as “Woodland and Natural Heritage System” by the Ministry of Natural Resources and Forestry (MNRF), and as a result of other regulated wetland areas (each Areas of Natural Significance). The analytical results were also compared to the

2011 Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for industrial/commercial/community property use and fine textured soils (2011 Table 2 ICC SCSs), which could be applicable for due diligence purposes in areas of the Site that are greater than 30m from the Areas of Natural Significance.

Soil Sampling and Analysis Results

The subsurface stratigraphy on the Site generally consisted of top soil and/or fill materials (up to 0.8m) over native clayey silt till with some sand, gravelly sand and silty sand seams. Bedrock was not encountered to the maximum drilling depth of 12.8m.

The soil analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of F3 and F4 PHCs in one sample of shallow fill collected from borehole MW106-20 (0-0.4m) located to the north of the diesel AST. The concentration of F4 PHCs was also above the 2011 Table 2 ICC SCS in this sample. PHCs were not detected in a deeper soil sample collected at a depth of 0.4-0.6m at this location suggesting a vertical limit. It was noted that the fill materials at this borehole location were observed to contain visible asphalt pieces.

Groundwater Sampling and Analysis Results

The measured depth to groundwater in the four sampled monitoring wells was between 4.24m and 10.25m below ground surface and the water table occurs in the native clayey silt till. The shallow groundwater flow direction was inferred to be northeasterly.

The groundwater analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of copper in one groundwater sample collected from monitoring well MW106-20 (5.2-8.2m) in the vicinity of the diesel AST. The groundwater analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters, including copper.

Conclusions

The concentration of F3 PHCs was above the 2011 Table 1 SCS in one sample of shallow soil fill collected at borehole MW106-20. This borehole is located greater than 30m from the Environmentally Sensitive Areas at the Site, and comparison to the 2011 Table 2 ICC SCS is considered suitable for due-diligence purposes. The analytical result met the 2011 Table 2 ICC SCS, and therefore, no further actions are recommended in regards to F3 PHCs in soil.

The concentration of F4 PHCs was above the 2011 Table 2 ICC SCS in the sample of shallow soil fill collected at borehole MW106-20. The fill at this location contained asphalt pieces and there is a potential that the result for F4 PHCs was biased high if small asphalt particles were inadvertently collected with the fill sample. Additional shallow soil sampling is recommended in this localized area to validate the F4 PHCs result, to determine if F4 PHCs is actually a contaminant in shallow soil fill, and to evaluate appropriate next steps (e.g., remediation or no further actions).

The concentration of copper was above the 2011 Table 1 SCS but below the 2011 Table 2 ICC SCS in one groundwater sample (MW106-20). Given that this monitoring well is greater than 30m from the Environmentally Sensitive Areas at the Site, comparison to the 2011 Table 2 ICC SCS is considered suitable for due-diligence purposes and no further actions are recommended in regards to groundwater.



Contents

Executive Summary	i
1.0 Introduction.....	1
1.1 Background.....	1
1.2 General Site Description and History	1
1.3 Phase I ESA Results.....	2
1.4 Scope of Work	2
1.5 Applicable Site Condition Standards	3
2.0 Phase II ESA Investigation Methodology	4
2.1 Borehole Drilling.....	4
2.2 Soil Sampling	5
2.3 Field Headspace Screening	5
2.4 Monitoring Well Installation	5
2.5 Groundwater Level Measurement	5
2.6 Groundwater Sample Collection.....	6
2.7 Sample Storage Handling and Custody.....	6
2.8 Quality Control/Quality Assurance.....	6
3.0 Phase II ESA Results	7
3.1 Geology and Hydrogeology.....	7
3.1.1 Geology.....	7
3.1.2 Hydrogeology	7
3.1.3 Soil Analytical Results	7
3.2 Groundwater Analytical Results	8
3.3 Quality Assurance/Quality Control.....	8
4.0 Summary and Conclusions.....	9
5.0 Limitations	10
6.0 References	11
7.0 Qualifications of Assessors.....	12

Figures

- Figure 1 – Site Location Map
- Figure 2 – Site Layout & Sampling Locations
- Figure 3 – Study Area
- Figure 4 – Metals in Soil – Plan View
- Figure 5 – OCs in Soil – Plan View
- Figure 6 – PHCs/VOCs in Soil – Plan View



Tables

- Table 1 - Monitoring Well Construction Details
- Table 2 - Summary of Groundwater Elevations
- Table 3 - Metals and Hydride Forming Metals Analysis in Soil
- Table 4 - Organochlorine Pesticides (OCs) Analysis in Soil
- Table 5 - Petroleum Hydrocarbons (PHCs) Analysis in Soil
- Table 6 - Volatile Organic Compounds (VOCs) Analysis in Soil
- Table 7 - Metals and Hydride Forming Metals Analysis in Groundwater
- Table 8 - Organochlorine Pesticides (OCs) Analysis in Groundwater
- Table 9 - Petroleum Hydrocarbons (PHCs) Analysis in Groundwater
- Table 10 - Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Analysis in Groundwater

Appendices

- Appendix A Site Photographs
- Appendix B Boreholes Logs
- Appendix C Laboratory Certificates of Analysis

1.0 Introduction

1.1 Background

MTE Consultants Inc. (MTE) was retained by Tribal Partners to conduct a Phase II Environmental Site Assessment (ESA) for the property located at municipal address 12035 Dixie Road in Caledon, Ontario (the “Site”). The Site location is illustrated on **Figure 1**.

The purpose of the Phase II ESA was to further assess potential environmental concerns identified in a previous Phase I ESA (MTE, 2020) of the Site. The Phase II ESA was completed for due diligence purposes in advance of a potential property transaction and not to support the filing of an Ontario Ministry of Environment, Conservation and Parks (MECP) Record of Site Condition (RSC) under Ontario Regulation (O.Reg.) 153/04. MTE understands that Tribal Partners is considering purchase of the Site for redevelopment as industrial use.

Authorization to proceed with the Phase II ESA was received from Mr. Lance Trumble of Tribal Partners following acceptance of MTE's proposal for services dated October 7, 2020. The assignment was completed by MTE under Reference Number 47477-200.

The Phase II ESA report is organized into the following sections:

- Section 1.0 - Introduction;
- Section 2.0 - Phase II ESA Investigation Methodology;
- Section 3.0 - Phase II ESA Results;
- Section 4.0 - Summary and Conclusions; and
- Section 5.0 to 7.0 - Limitations, References and Assessor Qualifications.

Analytical data summary tables, report figures and appendices follow the text portion of the report.

It is noted that the Ontario Ministry of the Environment, Conservation and Parks (MECP) was previously named the Ontario Ministry of the Environment (MOE), the Ministry of Environment and Energy (MOEE) and the Ontario Ministry of the Environment and Climate Change (MOECC). For ease of discussion in this report, “MECP” is used to represent this provincial ministry and is inclusive of MOE, MOEE and MOECC.

For ease of discussion, all directions in this Phase II ESA report are in reference to project north as depicted on **Figure 2**.

1.2 General Site Description and History

The Site is approximately 55 hectares (135 acres) in area and is located on the east side of Dixie Road and the north side of Mayfield Road in an agricultural area of Caledon. Structures on the Site include a mobile home, a machinery storage barn, two Quonset huts, and a trailer. The remainder of the Site is occupied by agricultural fields, some paved surfaces, and two watercourses. Vehicle access to the Site is provided via Spokane Street, a gravel roadway from Dixie Road. The Site has been an active farming property since the early 1900s.

The mobile home, machinery storage barn and two Quonset huts were reported to have been imported to the Site in the 2000s. The mobile home is currently occupied for residential use. The machinery storage barn is currently being used for truck storage, including a spray truck used for farming activities, and was previously used for housing cattle. The Quonset huts are also used for housing livestock. The trailer is currently being used as an office space for a landscaping company.

1.3 Phase I ESA Results

The scope of work was developed based on the results of a Phase I ESA (MTE, 2020) that identified the following potential environmental concerns on the Site:

- The Site interviewee reported that no pesticides, herbicides or fertilizers have been stored on Site. When required, these materials were brought to the Site for immediate application to the agricultural fields.
- A diesel fuel aboveground storage tank (AST) is located in the southwestern corner of the Site, adjacent to the trailer. No evidence of leaks or staining was observed on the paved surface below the AST.
- Some fill materials of unknown quality may have been placed on the Site. Evidence of potential fill with miscellaneous farm materials and un-used equipment was observed adjacent to Spokane Street. Excess soil from a nearby construction project was previously managed in the area north of the machinery storage barn and was observed in aerial photos dated between 2013 and 2018.
- Properties of potential environmental concern identified within the Study Area included the following:
 - 12321 Dixie Road (north adjoining property) was historically occupied by a ready-mix concrete company, a trucking company and a concrete foundation and structures company. There are two active fuel storage tanks registered to this address. Records also identified hazardous waste generation at the property.

1.4 Scope of Work

The objective of this Phase II ESA was to assess the potential sources of contamination to the Site through the collection and analysis of soil and groundwater samples. The Phase II ESA was conducted in general accordance with CSA document Z769-00 (R2018) - Phase II Environmental Site Assessments. The scope of work was conducted concurrently with a geotechnical and hydrogeological investigation. The Phase II ESA scope of work included the following:

- Preparing a Site Specific Health & Safety Plan;
- Completing utility locates prior to any on-Site work, including retaining a private utility locator;
- Advancing 52 boreholes on the Site to depths of up to 12.8m below ground surface (bgs) concurrent with a geotechnical and hydrogeological investigation;
- Collecting soil samples from the boreholes for laboratory analysis of one or more of metals, hydride-forming metals including arsenic (As), antimony (Sb) and selenium (Se), organochlorine pesticides (OCs), petroleum hydrocarbons (PHCs), and volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene and xylenes (BTEX);
- Completing eight of the boreholes as groundwater monitoring wells;
- Developing and purging four of the monitoring wells and collecting field parameters including pH, electrical conductivity and temperature during purging to determine when adequate purging was achieved;
- Collection and analysis of groundwater samples from four monitoring wells for metals, As, Sb, Se, OCs, PHCs, and BTEX;

- Analysis of quality assurance/quality control (QA/QC) samples including approximately 10% of field duplicates;
- Collecting groundwater levels and elevation data to estimate the groundwater flow direction; and
- Interpreting and documenting the results of the Phase II ESA in this report supported by figures, photographs, and laboratory Certificates of Analysis.

The Phase II ESA report was completed by Ms. Monique Gyba, B.E.S., C.Tech. and Mr. Thomas Jones, P.Eng., QP_{ESA} of MTE. The qualifications of Mr. Jones and Ms. Gyba are included in **Section 7.0**.

The soil and groundwater analyses were completed by Bureau Veritas of Mississauga, Ontario. Bureau Veritas is accredited by the Standards Council of Canada (SCC) in accordance with ISO/IEC 17025:2005 for the analyses completed during this Phase II ESA.

The borehole drilling and monitoring well installation work was completed by Tri-Phase Group (Tri-Phase) of Mississauga, Ontario. Tri-Phase is an MECP-licensed well contractor. Photographs taken at the time of the Phase II ESA are included in **Appendix A**.

1.5 Applicable Site Condition Standards

The analytical results for soil and groundwater samples collected by MTE during this Phase II ESA were compared to the Site Condition Standards (SCSs) in the MECP document *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ministry of the Environment, April 15, 2011*.

The analytical results were compared to the 2011 Table 1 Full Depth Background Site Condition Standards (2011 Table 1 SCSs) as a result of areas of the Site being designated in the Region of Peel Official Plan as “Core Areas of the Greenlands System”, by the Ministry of Natural Resources and Forestry (MNRF) as “Woodland and Natural Heritage System” and by other regulatory agencies such as the Toronto Region Conservation Authority (TRCA) as wetland (“Areas of Natural Significance”).

The analytical results were also compared to the 2011 Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for industrial/commercial/community property use and fine textured soils (2011 Table 2 ICC SCSs), which could be applicable for due diligence purposes in areas of the Site that are greater than 30m from these Areas of Natural Significance.

2.0 Phase II ESA Investigation Methodology

2.1 Borehole Drilling and Surface Soil Sampling

The drilling activities included the advancement of 52 boreholes at the Site between October 30 and November 13, 2020. The borehole drilling was completed concurrent with an MTE geotechnical investigation and hydrogeological assessment, which are documented in separate reports.

The environmental sampling locations are illustrated on **Figure 2** and included the following:

Sampling Location	Rationale
MW101-20	- Assess general soil and groundwater quality in the vicinity of the agricultural fields where agricultural chemicals (e.g. pesticides) may have been used. - Assess groundwater quality adjacent to the boundary with 12321 Dixie Road (former concrete and trucking company with active fuel storage tanks and records for hazardous waste generation).
MW102-20 to MW105-20 MW107-20 to MW108-20	Assess general soil and groundwater quality on the Site where agricultural chemicals (e.g. pesticides) may have been used on-Site.
MW106-20	Assess soil and groundwater quality adjacent to a diesel AST.
BH109-20 to BH154-20	Assess general soil quality in the vicinity of the agricultural fields where agricultural chemicals (e.g. pesticides) may have been used and the potential for historical fill placement
BH128-20, BH133-20, BH135-20, BH136-20, BH141-20, BH142-20	Assess soil quality as a result of historical fill placement in the area north of the machinery storage barn and west of Spokane Street.

Boreholes BH128-20, BH129-20, BH135-20, BH136-20, BH141-20, BH142-20 and BH153-20 were advanced by Tri-Phase using a track mounted Geoprobe 7822DT direct push drill rig. All other boreholes were advanced by Tri-Phase using a track-mounted CME75 auger drill rig. Continuous and semi-continuous soil cores were recovered from each borehole location using split spoons (CME75) or macro-core samplers (Geoprobe) and logged by MTE for geological characteristics as well as visual and olfactory evidence of environmental impacts such as staining, odours or the presence of non-soil materials. New macro-core samplers were used for each sampling interval. Other sampling equipment (e.g. split spoons) were cleaned between locations using an Alconox and water solution and a tap water rinse to minimize the potential for cross contamination between boreholes. Borehole logs were prepared for each location and are included in **Appendix B**.

2.2 Soil Sampling

Soil samples were collected for field headspace screening and for potential laboratory analysis. Soil samples for VOCs and F1 PHC analyses were collected following USEPA SW-846 Method 5035 (field methanol preservation). This soil sampling procedure included collecting approximately 5 grams of sample from the undisturbed soil core using a Terra Core™ sampling device and placing the sample in a laboratory supplied vial containing 5mL of methanol. Soil samples for other analysis including metals, As, Sb, Se, OCs and F2-F4 PHCs were collected directly from the soil core and placed into new laboratory supplied soil jars.

New nitrile gloves were worn during the handling of all samples, sampling equipment and sample jars and changed between each sample.

2.3 Field Headspace Screening

A portion of the soil samples selected for field headspace screening were placed into a new zip-top plastic bag for field headspace screening. The organic vapour concentrations in the headspace of each soil sample were measured using an RKI Eagle II field meter. The RKI Eagle II is a combination hydrocarbon detector and a Photo Ionization Detector (PID), providing an indication of both hydrocarbon and VOC vapours. Equipment calibration and maintenance was performed by MTE according to the manufacturers' recommendations prior to arriving at the Site and in the field to ensure proper operation.

The procedure for collection of field headspace measurements included waiting approximately 15 minutes for the soil/vapour in the zip-top plastic bag to equilibrate and allow for headspace development, and inserting the Eagle II sampling probe into a small opening in the bag. The maximum meter readings were recorded. The field headspace readings are summarized on the borehole logs in **Appendix B**.

2.4 Monitoring Well Installation and Condition Survey

Eight permanent monitoring wells were installed at borehole locations MW101-20 to MW108-20 by Tri-Phase between October 30 and November 13, 2020. MTE was present during the monitoring well installations to record and document the well construction details. The monitoring wells were constructed with a 0.9m, 1.2m, 1.5m or 3.0m long, 51mm diameter, No. 10 slotted PVC screen. All monitoring well materials were new and were received sealed in a protective plastic wrap from the manufacturer. The riser pipe and screen sections were pre-threaded with O-ring seals. No glues or solvents were used to connect the pipe sections and nitrile gloves were worn during all work with the monitoring wells.

A coarse grained sand pack was placed around and above the well screens to allow for groundwater collection in the wells. Bentonite (holeplug) was placed immediately above the sand pack to hydraulically isolate the screened portion of the well. The monitoring wells were completed with a monument, steel protective casing, which was cemented in place. MECP Well Records were filed by Tri-Phase in accordance with O. Reg. 903. The monitoring well installation details are summarized in **Table 1**.

2.5 Groundwater Level Measurement

The depth to groundwater was measured in each of the eight new wells using an interface probe on November 19, 2020, November 30, 2020 and December 14, 2020. The water levels were measured by lowering the probe into the well until the tone sounded and recording the depth to water from the highest point on the well riser pipe (the groundwater level measuring reference point). Measurements were recorded to the nearest 0.01m. The probe was cleaned with successive rinses of soapy and distilled water between each well. Groundwater level measurements are summarized in **Table 2**.

2.6 Groundwater Sample Collection

Groundwater samples were collected from four of the wells during this Phase II ESA (MW101-20, MW104-20, MW105-20 and MW106-20). After installation, the monitoring wells were developed to remove stagnant water and fine grain materials that may have been introduced during drilling. Prior to collecting groundwater samples, the monitoring wells were purged to obtain groundwater samples representative of the surrounding formation. During purging, field parameter measurements (temperature, pH and conductivity) were recorded after each well each well volume. Groundwater samples were collected after stabilized parameters had been measured and a minimum of three well volumes had been removed.

All groundwater samples were placed directly into pre-preserved laboratory supplied bottles. Groundwater samples collected for analysis of metals were field filtered with a single-use 45 micron filter. Well development was completed using dedicated HDPE waterra tubing and a foot valve. Purging and sampling were completed using dedicated LDPE tubing and either a bladder pump (MW101-20), a foot valve (MW104-20 and MW105-20) or a peristaltic pump (MW106-20).

2.7 Sample Storage Handling and Custody

Soil and groundwater samples were labelled, given a unique sample identifier and placed in a sealed cooler with ice for transportation to Bureau Veritas. The samples were transported directly to the laboratory by MTE and accompanied by a Chain of Custody form.

2.8 Quality Control/Quality Assurance

A QA/QC program was implemented during this Phase II ESA to demonstrate that the data collected was representative of the Site conditions and suitable to meet the sampling program objectives. The QA/QC program included field QA/QC procedures and laboratory QA/QC procedures.

Field QA procedures included:

- Adherence to MTE's standard operating procedures (SOPs), which meet industry standards and MECP guidance for field sample data collection;
- The use of new laboratory-supplied sample containers;
- The use of new and dedicated sampling equipment;
- The wearing of a new pair of nitrile gloves during and between the handling of all samples and field equipment; and
- Implementing equipment cleaning procedures.

Laboratory QA/QC procedures were implemented internally by the laboratory and validated through a review of the sample Chain-of-Custody forms and Laboratory Certificates of Analysis. The laboratory QA/QC assessment included a review of the following:

- Sample holding times and arrival temperatures;
- Laboratory analytical methods (i.e., MECP approved methods were used);
- Results were received for all of the requested samples and analyses;
- Laboratory surrogate recovery and spike sample results;
- Dilution factors and method detection limits;
- Duplicate sample analytical results;

- Laboratory Certificate of Analysis notes; and
- Analytical results as compared to visual/olfactory observations.

QC samples (field duplicates) were also submitted for analysis. The analytical data precision was assessed by calculating the Relative Percent Difference (RPD) between the investigation sample results (C1) and the field duplicate sample results (C2). The RPD was calculated as follows:

$$RPD = 2 | C1 - C2 | / (C1 + C2) \times 100\%$$

The RPD acceptance criteria were 50% for soil samples and 30% for groundwater.

3.0 Phase II ESA Results

3.1 Geology and Hydrogeology

3.1.1 Geology

The subsurface stratigraphy on the Site generally consisted of top soil and/or fill materials (up to 0.8m) over native clayey silt till with some sand, gravelly sand and silty sand seams. Bedrock was not encountered to the maximum drilling depth of 12.8m.

No visual or olfactory evidence to suggest potential contamination was noted in soil during drilling activities, and no elevated soil headspace readings were recorded.

Copies of the borehole logs illustrating the stratigraphy and soil sample headspace readings are included in **Appendix B**.

3.1.2 Hydrogeology

The depths to groundwater in the eight monitoring wells were measured on November 19, 2020, November 30, 2020 and December 14, 2020 and ranged from 4.24m and 10.25m bgs on December 14, 2020. The measured groundwater levels and elevations are summarized in **Table 2**. The shallow groundwater flow direction was inferred to be northeasterly.

It was inferred that the groundwater levels may not have reached static condition during the time frame of this Phase II ESA and therefore the groundwater flow direction was not determined. The groundwater flow conditions at the Site will be further evaluated in a separate Hydrogeological Investigation, which will be documented in a separate report.

3.1.3 Soil Analytical Results

Samples of shallow soil and soil fill were collected from across the Site and submitted for laboratory analysis of one or more of metals, hydride forming metals (As, Sb and Se), OCs, PHCs and VOCs. The soil analytical results as compared to the 2011 Table 1 SCSs and 2011 Table 2 ICC SCSs are summarized in **Table 3** to **Table 6**. The laboratory Certificates of Analysis are included in **Appendix C**.

The following is a summary of the results:

- The results of the field screening did not identify elevated vapour measurements for total hydrocarbons (<25ppm) or VOCs (<1ppm) in the collected soil samples.
- The soil analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of F3 and F4 PHCs in one sample of shallow fill collected from borehole MW106-20 (0-0.4m), which was located to the north of the

diesel AST. The concentration of F4 PHCs was also above the 2011 Table 2 ICC SCS in this sample.

- PHCs were not detected in a deeper soil sample collected at a depth of 0.4-0.6m from borehole MW106-20 suggesting a vertical limit.
- It was noted that the shallow fill materials at borehole MW106-20 were observed to contain visible asphalt pieces, which may have affected the analytical results for F3 and F4 PHCs.

The soil analytical results are illustrated on **Figure 4** (metals), **Figure 5** (OCs) and **Figure 6** (PHCs and VOCs).

3.2 Groundwater Analytical Results

No visual or olfactory evidence to suggest groundwater contamination (e.g. odours, discolouration, sheen or separate-phase liquids) was observed during the groundwater sampling activities.

Groundwater samples were collected and submitted for laboratory analysis of one or more of metals, hydride forming metals (As, Sb and Se), OCs, PHCs and BTEX. The analytical results are summarized in **Table 7** to **Table 10** and were compared to the 2011 Table 1 SCSs and 2011 Table 2 ICC SCSs. The laboratory Certificate of Analyses are included in **Appendix C**.

The groundwater analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters. The groundwater analytical results were also below the 2011 Table 1 SCSs with the exception of copper in a sample collected from monitoring well MW106-20.

3.3 Quality Assurance/Quality Control

A QA/QC program was implemented during this Phase II ESA to demonstrate that the data collected was suitable to meet the sampling program objectives. The following is a summary of the QA/QC review:

- Soil and groundwater samples were collected using industry standard methods in laboratory supplied containers, and transported in insulated coolers containing ice under Chain-of-Custody to the laboratory. No concerns with respect to sample collection, handling and control were noted.
- Bureau Veritas noted that the average temperature of one sample submission upon receipt was above 10°C. These samples were submitted to Bureau Veritas on the day of sampling and cooling had been initiated after sample collection and while samples were driven directly to the lab. As a result, the elevated temperature measurement was not considered to be a concern for data quality.
- All samples were analyzed by the laboratory using MECP approved analytical methods and within the required holding times.
- Analytical results were received for all samples submitted for analysis. No concerns were noted with respect to lab internal quality indicators (e.g., surrogate recovers) or Certificate of Analysis notes.

MTE submitted a field duplicate soil sample from borehole MW101-20 and a field duplicate groundwater sample from monitoring well MW106-20 for analysis of metals, As, Sb, Se and OCs. The calculated RPDs for the original and duplicate samples were less than 50% (for soil) and 30% (for groundwater) for all parameters where a calculation could be completed.

The QA/QC review did not identify significant concerns for data quality and the sampling program objectives were interpreted to have been met.

4.0 Summary and Conclusions

MTE was retained by Tribal Partners to conduct a Phase II ESA for the property located at municipal address 12035 Dixie Road in Caledon, Ontario. The scope of work for the Phase II ESA was developed based on the results of the previous Phase I ESA, which identified potential environmental concerns at the Site.

Soil Sampling and Analysis Results

The subsurface stratigraphy on the Site generally consisted of top soil and/or fill materials (up to 0.8m) over native clayey silt till with some sand, gravelly sand and silty sand seams. Bedrock was not encountered to the maximum drilling depth of 12.8m.

The soil analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of F3 and F4 PHCs in one sample of shallow fill collected from borehole MW106-20 (0-0.4m) located to the north of the diesel AST. The concentration of F4 PHCs was also above the 2011 Table 2 ICC SCS in this sample. PHCs were not detected in a deeper soil sample collected at a depth of 0.4-0.6m at this location suggesting a vertical limit. It was noted that the fill materials at this borehole location were observed to contain visible asphalt pieces.

Groundwater Sampling and Analysis Results

The measured depth to groundwater in the four sampled monitoring wells was between 4.24m and 10.25m below ground surface and the water table occurs in the native clayey silt till. The shallow groundwater flow direction was inferred to be northeasterly.

The groundwater analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of copper in one groundwater sample collected from monitoring well MW106-20 (5.2-8.2m) in the vicinity of the diesel AST. The groundwater analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters, including copper.

Conclusions

The concentration of F3 PHCs was above the 2011 Table 1 SCS in one sample of shallow soil fill collected at borehole MW106-20. This borehole is located greater than 30m from the Environmentally Sensitive Areas at the Site, and comparison to the 2011 Table 2 ICC SCS is considered suitable for due-diligence purposes. The analytical result met the 2011 Table 2 ICC SCS, and therefore, no further actions are recommended in regards to F3 PHCs in soil.

The concentration of F4 PHCs was above the 2011 Table 2 ICC SCS in the sample of shallow soil fill collected at borehole MW106-20. The fill at this location contained asphalt pieces and there is a potential that the result for F4 PHCs was biased high if small asphalt particles were inadvertently collected with the fill sample. Additional shallow soil sampling is recommended in this localized area to validate the F4 PHCs result, to determine if F4 PHCs is actually a contaminant in shallow soil fill, and to evaluate appropriate next steps (e.g., remediation or no further actions).

The concentration of copper was above the 2011 Table 1 SCS but below the 2011 Table 2 ICC SCS in one groundwater sample (MW106-20). Given that this monitoring well is greater than 30m from the Environmentally Sensitive Areas at the Site, comparison to the 2011 Table 2 ICC SCS is considered suitable for due-diligence purposes and no further actions are recommended in regards to groundwater.

5.0 Limitations

Services performed by **MTE Consultants Inc. (MTE)** were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Environmental Engineering & Consulting profession. No other warranty or representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

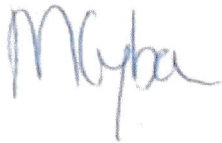
This report was completed for the sole use of MTE and Tribal Partners. It was completed in accordance with the Scope of Work referred to in Section 1.4. As such, this report may not deal with all issues potentially applicable to the Site and may omit issues, which are or may be of interest to the reader. Reasonable care was exercised to identify the important features, including the important environmental features, and this report addresses only those features as provided in the Scope of Work. All findings and conclusions presented in this report are based on the Site conditions as they existed during the time period of the investigation. This report is not intended to be exhaustive in scope or to imply a risk-free facility or conditions.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based upon it, are the responsibility of such third parties. MTE accepts no responsibility for liabilities incurred by or damages, if any, suffered by any third party as a result of decisions made or actions taken, based upon this report. Others with interest in the Site should undertake their own investigations and studies to determine how or if the condition affects them or their plans.

It should be recognized that the passage of time may affect the views, conclusions and recommendations (if any) provided in this report because environmental conditions of a property can change. Should additional or new information become available, MTE recommends that it be brought to our attention in order that we may re-assess the contents of this report.

All of which is respectfully submitted,

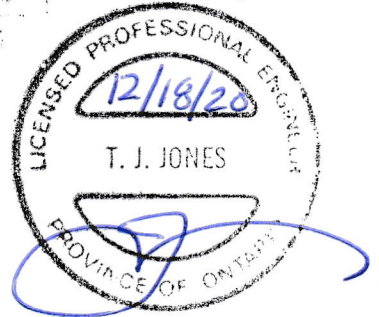
MTE Consultants Inc.



Monique Gyba, B.E.S., C.Tech.
Project Manager, Environmental
905-639-2552- ext. 2454
mgyba@mte85.com

TJJ:axd

M:\47477\200\Phase II ESA\Report\47477-200 Phase II ESA 12035 Dixie Road, Caledon (FINAL).docx



Thomas Jones, P.Eng., QP_{ESA}
Manager, Environmental
905-639-2552 ext. 2406
tjones@mte85.com

6.0 References

1. Canadian Standards Association, December 2000, Z769-00 (R2013) Phase II Environmental Site Assessments.
2. MTE Consultants Inc., September 30, 2020. Phase I Environmental Site Assessment, 12035 Dixie Road, Caledon, ON.
4. Ontario Ministry of the Environment; May 1996. MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario.
5. Ontario Ministry of the Environment, April 15, 2011, Rationale For the Development of Soil and Ground Water Standards For Use at Contaminated Sites in Ontario.
6. Ontario Ministry of the Environment, April 15, 2011, Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act.
7. USEPA, December 1996, SW-846 Method 5035 Closed-system Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste.
7. USEPA, 2013, Operating Procedure SESDPROC-301-R3 "Sampling Guidance".

7.0 Qualifications of Assessors

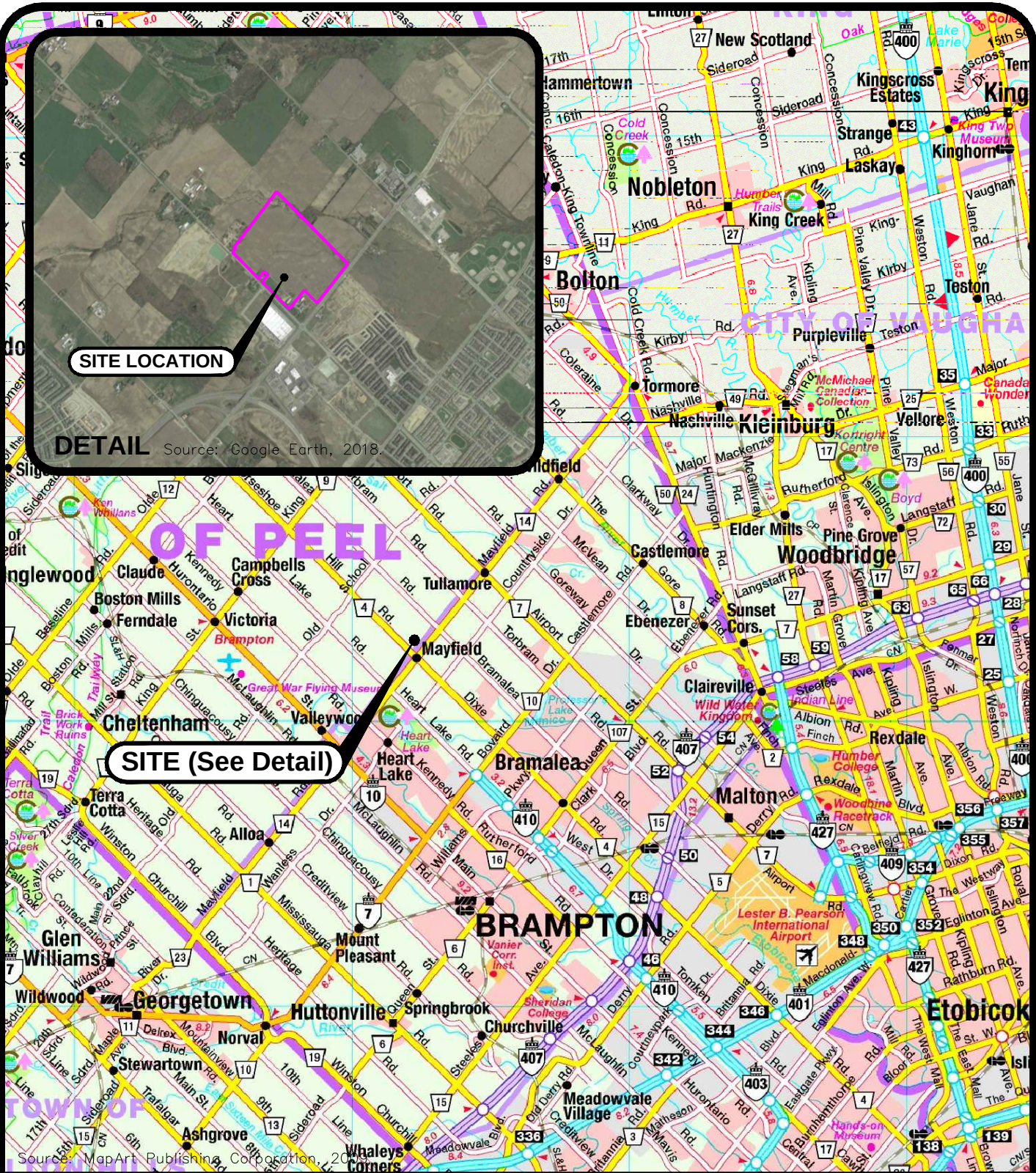
The key participants involved in conducting this Phase II ESA were Mr. Thomas Jones, P.Eng., QP_{ESA} and Ms. Monique Gyba, B.E.S., C.Tech of MTE Consultants Inc.

Mr. Jones has over 25 years of professional experience assessing and managing environmental risk in Ontario. He brings a unique perspective through his experience as a senior environmental engineer and project manager for two multi-disciplined consulting firms and in the private sector managing environmental risk for a major Canadian bank. Mr. Jones is a licensed Professional Engineer in the province of Ontario and a Qualified Person for Environmental Site Assessment as defined in O.Reg.153/04. His technical experience includes conducting and managing Phase I and II environmental site assessments and remediation projects, both for due diligence and to support to risk assessments and the filing of Records of Site Condition.

Ms. Gyba B.E.S., C.Tech is a graduate of the University of Waterloo with a Bachelors of Environmental Studies. She also has an Environmental Technician diploma from Seneca College and is a Certified Environmental Technician. Ms. Gyba has nine years of experience in the environmental consulting industry and has conducted numerous due diligence Phase I and II Environmental Site Assessments, Ontario Regulation 153/04 (as amended) Phase One and Two Environmental Site Assessments, and a variety of soil and groundwater remediation projects.

Figures

Project: 47477-200 CAD: P:\47477\200\47477-200-ESA2.DWG
 1 SITE LOCATION MAP
 December 6, 2020 — 12:10 PM — Plotted By: TSchneider

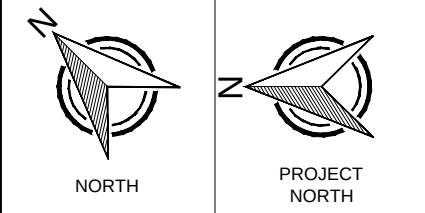
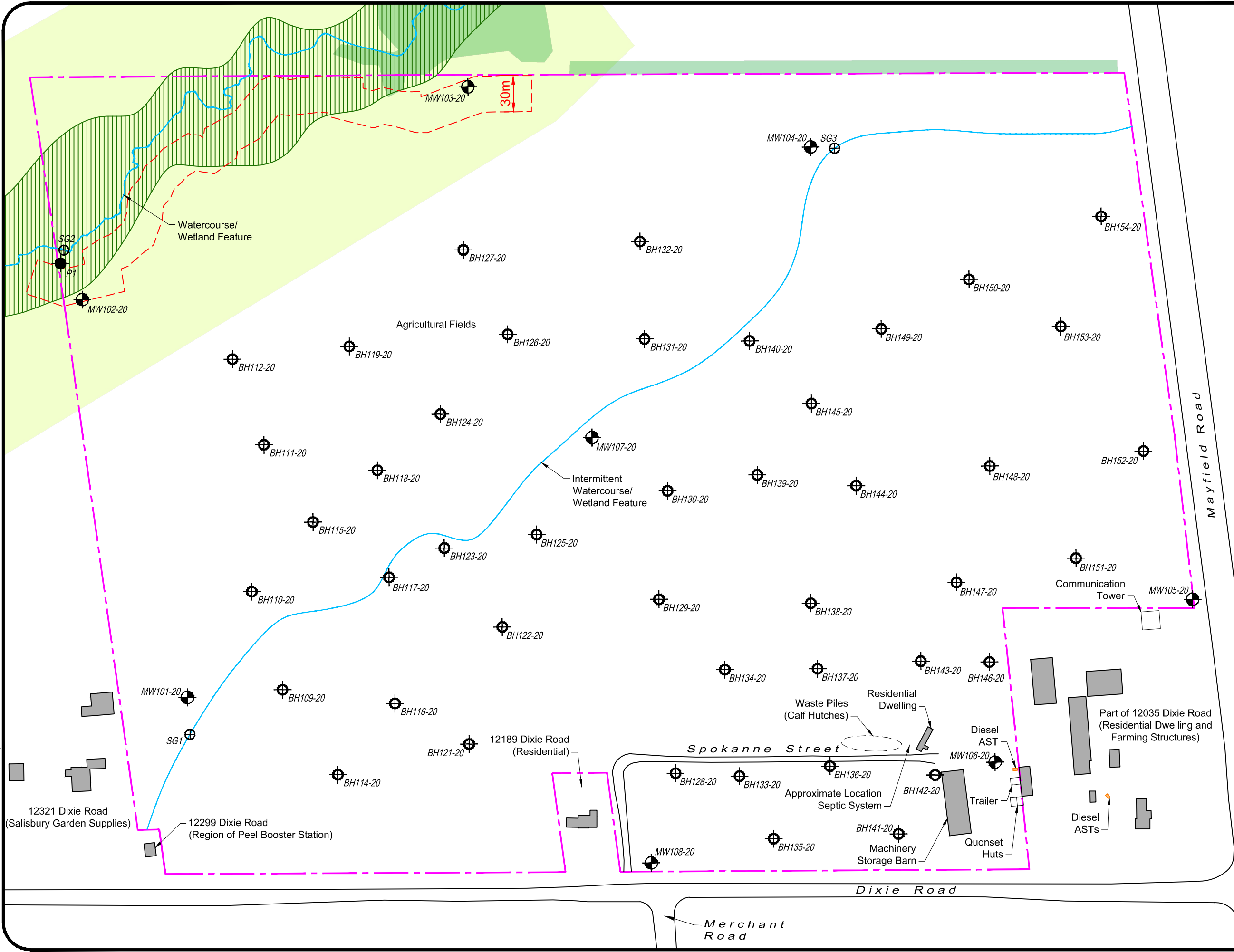


Engineers, Scientists, Surveyors
 Ph. (905) 639-2552

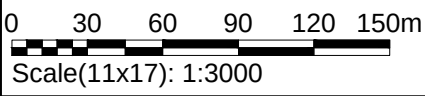
0 2 4 6 8 10km
 Scale(8.5x11): 1:200 000

CLIENT	Tribal Partners		TITLE	SITE LOCATION MAP	
PROJECT	Phase II Environmental Site Assessment		Reviewed By	TJJ	
SITE	12035 Dixie Road Caledon, ON		Prepared By	MFG	
			Drawn By	TXS	
			Date	December 2020	
			Project No.	47477-200	
			Figure No.	1	

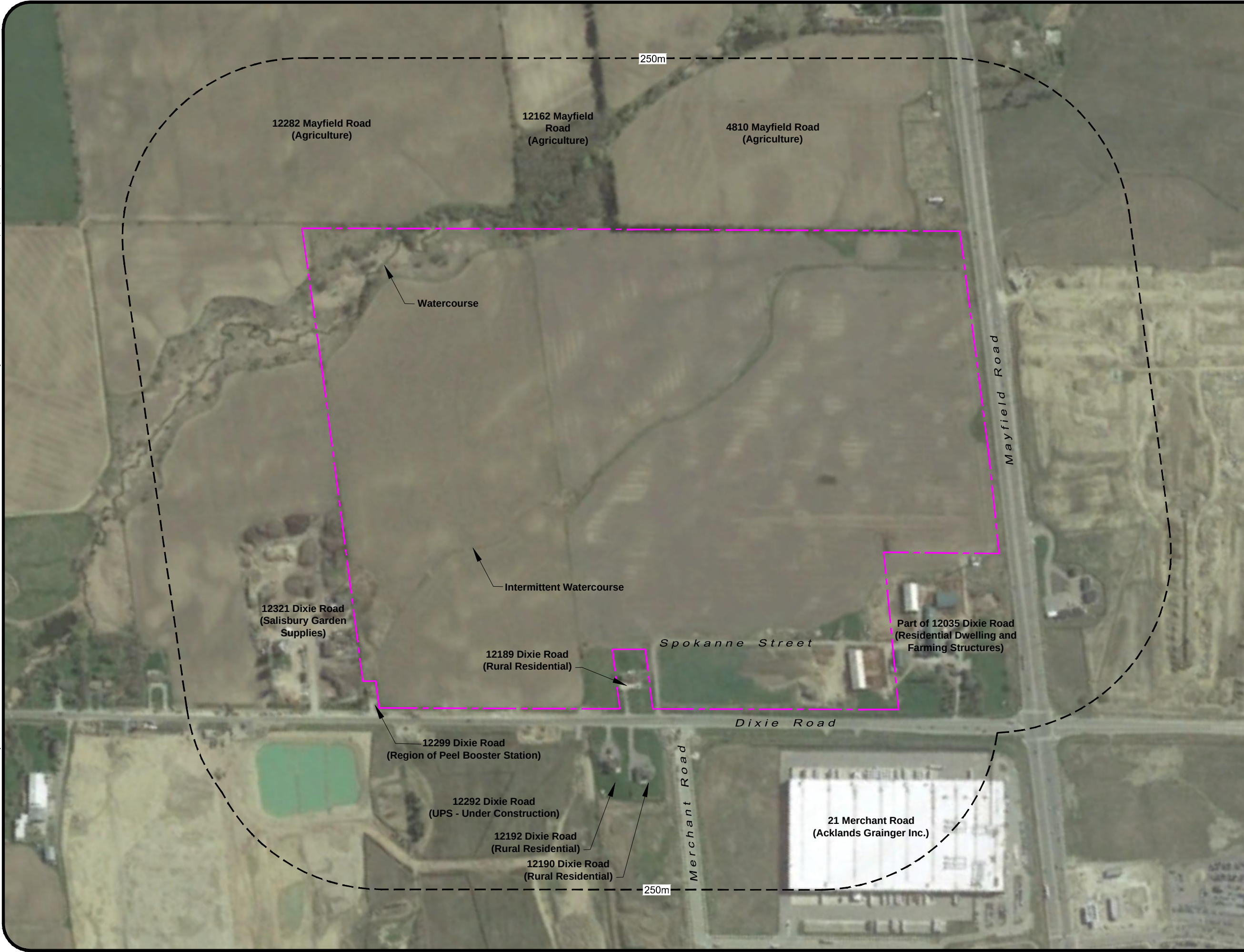
December 16, 2020 — 11:43 PM — Plotted By: TSchneider
2 SITE LAYOUT AND SAMPLING LOCATIONS
Project: 47477-200 CAD: P:\47477\200\47477-200-ESA2.DWG

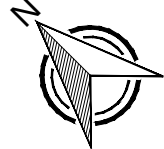


- LEGEND**
- Property Line
 - Existing Building
 - Watercourse/ Wetland
 - Borehole (MTE 2020)
 - Monitoring Well (MTE 2020)
 - Piezometer
 - Staff Gauge
 - MNRF Natural Heritage System
 - MNRF Woodland
 - Peel Region Core Areas of the Greenlands System
 - Development Environmental Setback

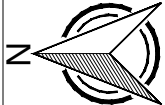


CLIENT	Tribal Partners	
PROJECT	Phase II Environmental Site Assessment	
SITE	12035 Dixie Road Caledon, ON	
TITLE	SITE LAYOUT AND SAMPLING LOCATIONS	
Reviewed By	TJJ	
Prepared By	MFG	Project No. 47477-200
Drawn By	TXS	Figure No. 2
Date	December 2020	





NORTH



PROJECT
NORTH

LEGEND

— — — — — Property Line

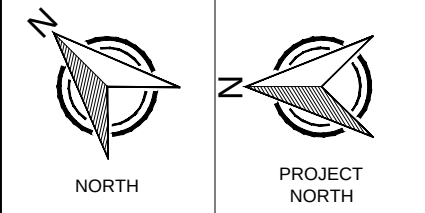
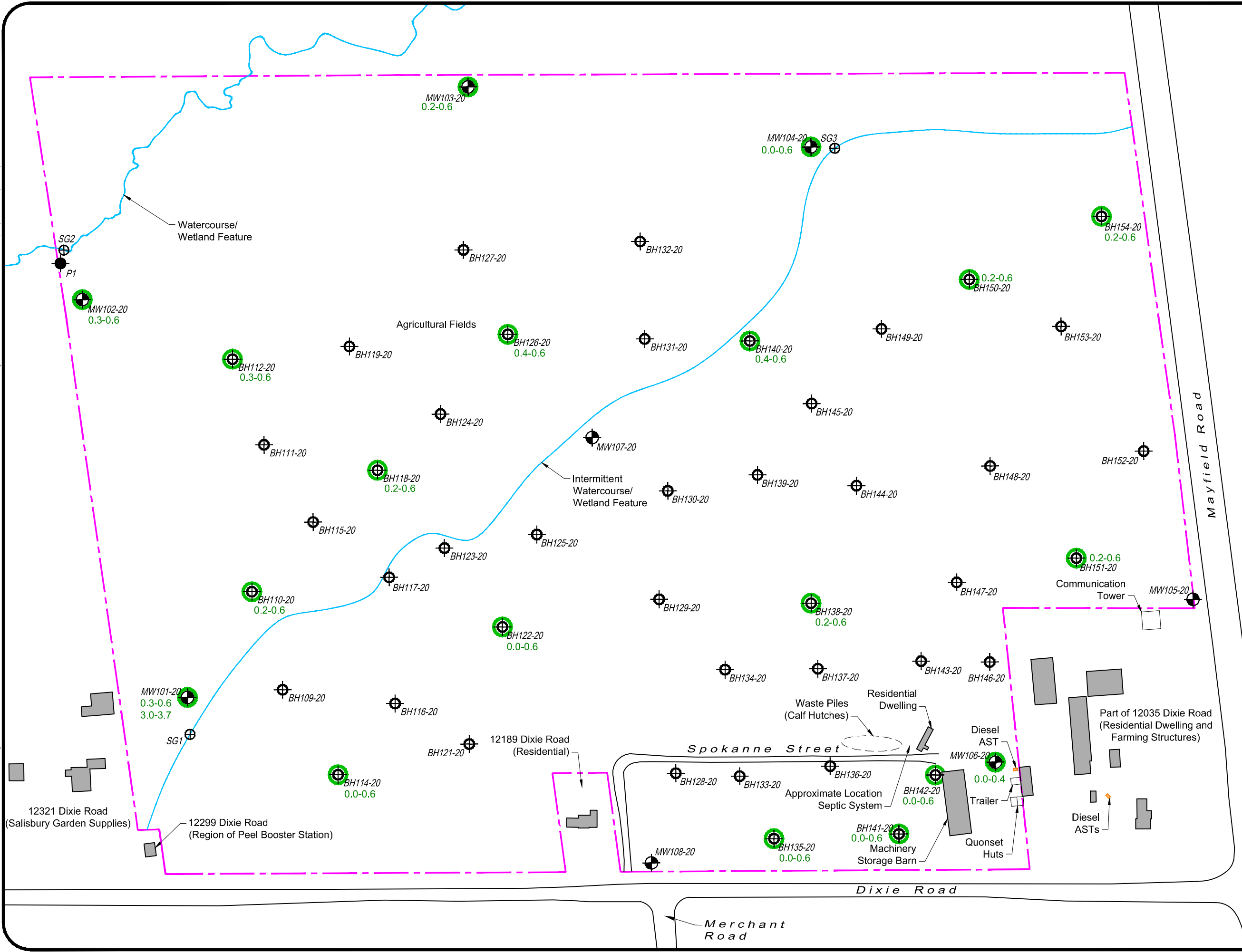
0 50 100 150 200 250m

Scale(11x17): 1:5000



MTE
Engineers, Scientists, Surveyors
Ph. (905) 639-2552

CLIENT	
Tribal Partners	
PROJECT	
Phase II Environmental Site Assessment	
SITE	
12035 Dixie Road Caledon, ON	
TITLE	
STUDY AREA	
Reviewed By TJJ	
Prepared By MFG	Project No. 47477-200
Drawn By TXS	Figure No.
Date December 2020	3

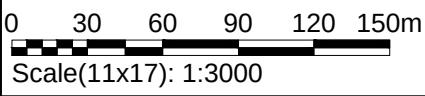


- LEGEND**
- Property Line
 - Existing Building
 - Watercourse
 - Borehole (MTE 2020)
 - Monitoring Well (MTE 2020)
 - Piezometer
 - Staff Gauge
 - Sample Exceeds Applicable SCS
 - Sample Meets Applicable SCS
 - Sample Depth

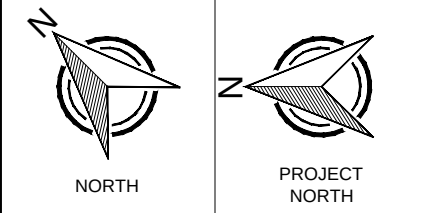
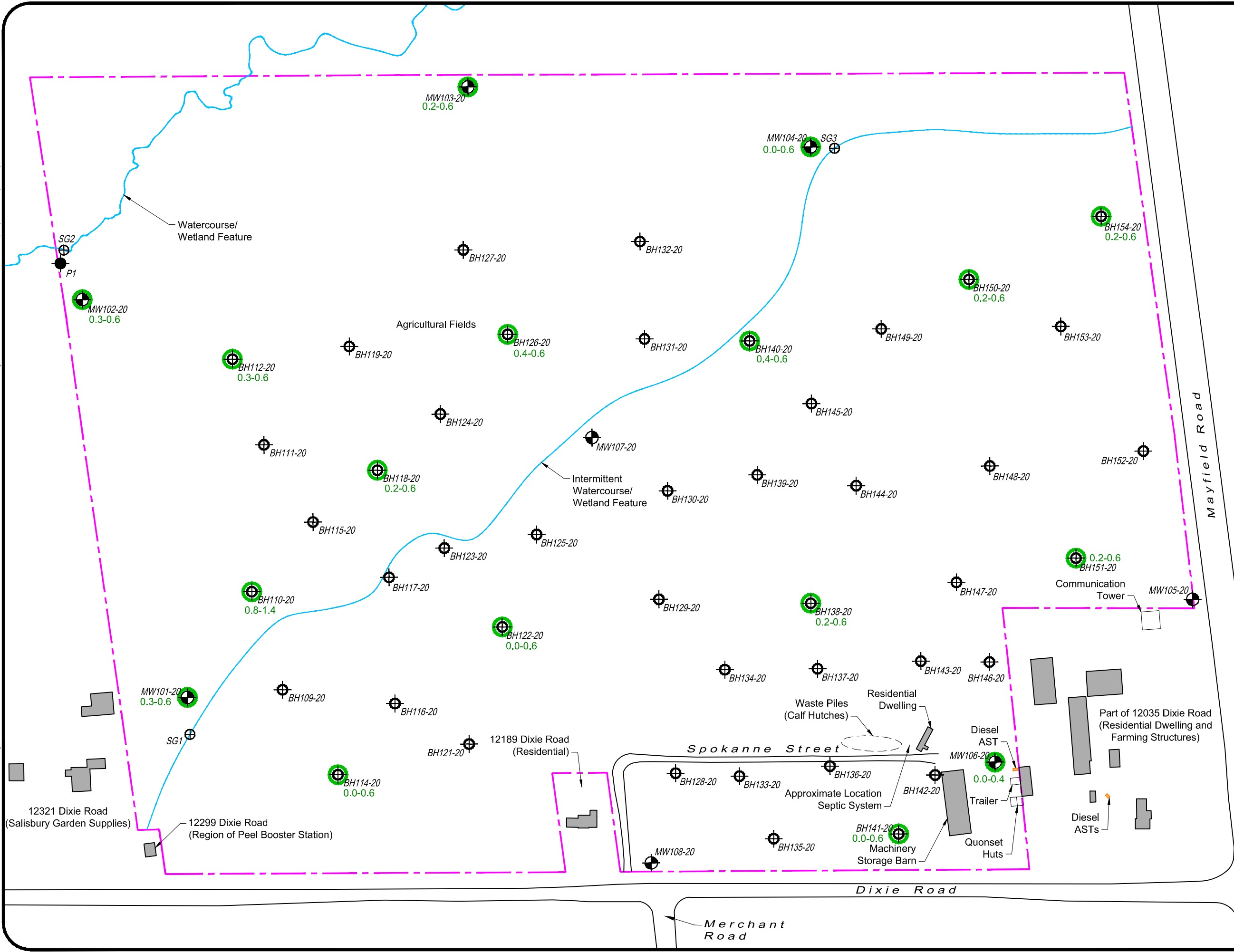
NOTES:

Applicable Site Condition Standards (SCS): Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

Sample depths reported in metres below ground surface (mbgs)



 Engineers, Scientists, Surveyors Ph. (905) 639-2552	
CLIENT	Tribal Partners
PROJECT	Phase II Environmental Site Assessment
SITE	12035 Dixie Road Caledon, ON
TITLE	METALS IN SOIL PLAN VIEW
Reviewed By	TJJ
Prepared By	MFG
Drawn By	TXS
Date	December 2020
Project No.	47477-200
Figure No.	4

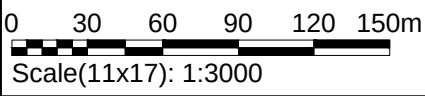


- LEGEND**
- Property Line
 - Existing Building
 - Watercourse
 - Borehole (MTE 2020)
 - Monitoring Well (MTE 2020)
 - Piezometer
 - Staff Gauge
 - Sample Exceeds Applicable SCS
 - Sample Meets Applicable SCS
 - Sample Depth

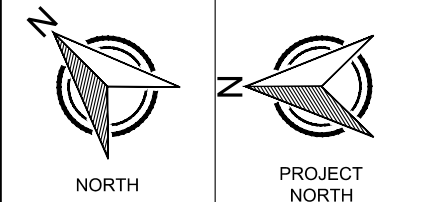
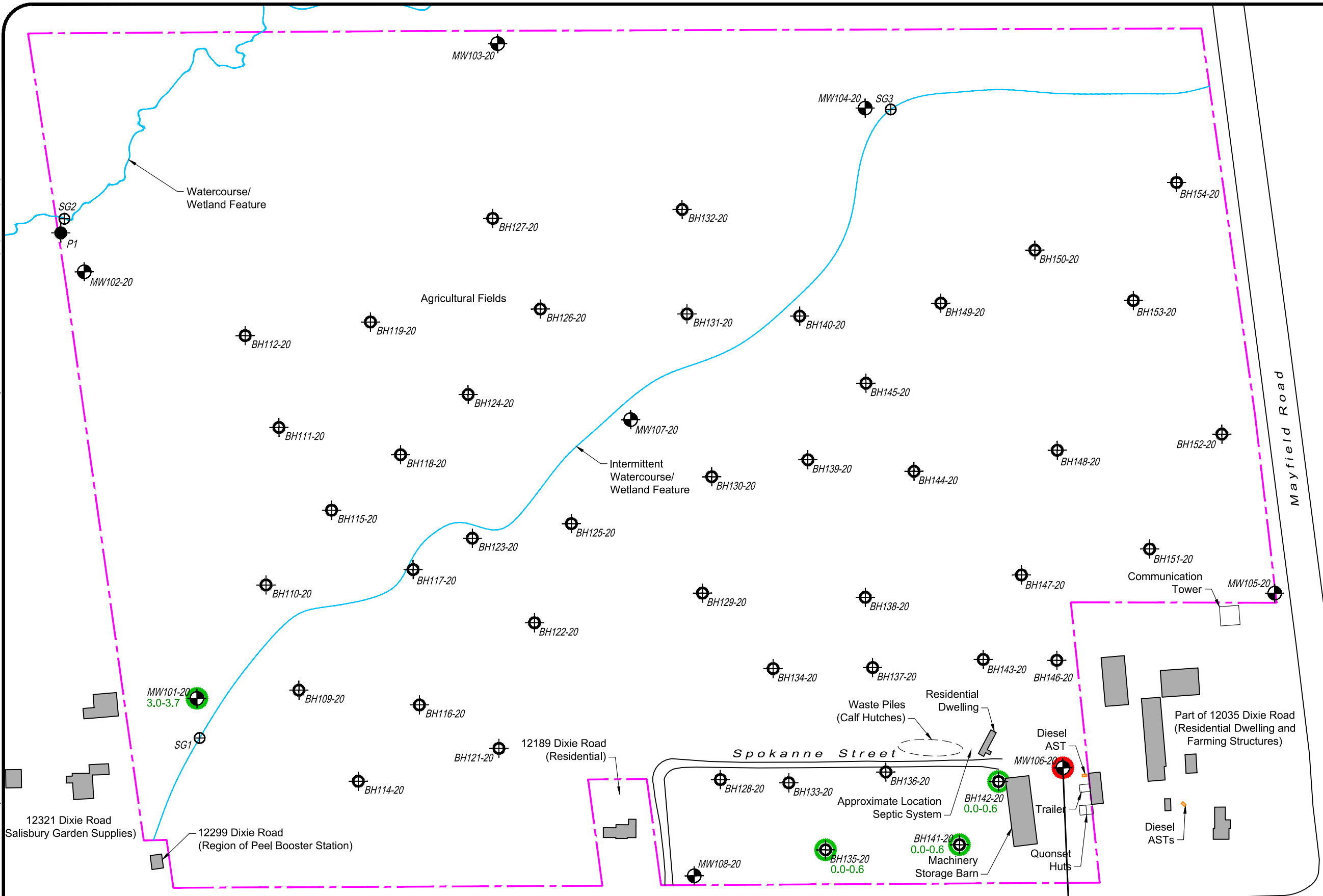
NOTES:

Applicable Site Condition Standards (SCS): Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

Sample depths reported in metres below ground surface (mbgs)



CLIENT	Tribal Partners	
PROJECT	Phase II Environmental Site Assessment	
SITE	12035 Dixie Road Caledon, ON	
TITLE	OCs IN SOIL PLAN VIEW	
Reviewed By	TJJ	
Prepared By	MFG	Project No. 47477-200
Drawn By	TXS	Figure No. 5
Date	December 2020	



- LEGEND**
- Property Line
 - Existing Building
 - Watercourse
 - Borehole (MTE 2020)
 - Monitoring Well (MTE 2020)
 - Piezometer
 - Staff Gauge
 - Sample Exceeds Applicable SCS
 - Sample Meets Applicable SCS
 - Sample Depth

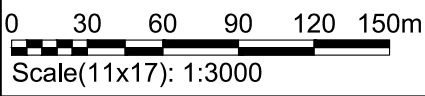
NOTES:

Applicable Site Condition Standards (SCS):
Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

Concentrations reported in µg/g

Bold and highlighted values indicate an exceedance of the applicable SCS.

Sample depths reported in metres below ground surface (mbgs)



CLIENT	Tribal Partners		
PROJECT	Phase II Environmental Site Assessment		
SITE	12035 Dixie Road Caledon, ON		
TITLE	PHCs/VOCs IN SOIL PLAN VIEW		
Reviewed By	TJJ		
Prepared By	MFG	Project No.	47477-200
Drawn By	TXS	Figure No.	6
Date	December 2020		

Parameters	2011 Table 1 SCS (R/P/I or I/C/C, Coarse)	2011 Table 2 SCS (I/C/C, Coarse)
F3 (C16 to C34)	240	1700
F4 (C34 to C50)	120	3300
F4G (Gravimetric)	120	3300

Parameters	MW106-20	MW106-20	MW106-20
	10-Nov-2020	10-Nov-2020	10-Nov-2020
	0.0-0.4 m	0.4-0.6 m	1.5-2.1 m
	bgs	bgs	bgs
F3 (C16 to C34)	430	<50	<50
F4 (C34 to C50)	1600	<50	<50
F4G (Gravimetric)	7400	-	-

Tables

Table 1: Monitoring Well Construction Details

Well ID	Completed By	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Well Depth (mbgs)	Screen Length (m)	Well Construction Details						Type of Casing
						Depth of Screen (m)		Sand Pack (m)		Bentonite (m)		
						Top	Bottom	Top	Bottom	Top	Bottom	
MW101-20	MTE	258.43	259.46	12.0	0.9	11.1	12.0	10.8	12.0	0.0	10.8	Monument
MW102-20	MTE	257.15	257.93	11.4	1.5	9.9	11.4	9.3	11.4	0.0	9.3	Monument
MW103-20	MTE	254.31	255.25	12.2	1.5	10.7	12.2	10.1	12.2	0.0	10.1	Monument
MW104-20	MTE	254.52	255.35	11.0	1.2	9.8	11.0	9.5	11.0	0.0	9.5	Monument
MW105-20	MTE	256.04	256.92	8.1	1.5	6.6	8.1	6.3	8.1	0.0	6.3	Monument
MW106-20	MTE	257.86	257.77	8.2	3.0	5.2	8.2	4.90	8.2	0.3	4.9	Flushmount
MW107-20	MTE	256.48	257.31	9.8	1.5	8.3	9.8	8.00	9.8	0.0	8.0	Monument
MW108-20	MTE	261.27	262.20	12.8	1.5	11.3	12.8	11.00	12.8	0.0	11.0	Monument

Notes:
Date of elevation survey: November 25, 2020
Elevations are geodetic and are referenced to benchmark PEEL52
"m" - meters
"masl" - meters above sea level
"mbgs" - meters below ground surface

Table 2: Summary of Groundwater Elevations

Well ID	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	19-Nov-20			30-Nov-20			14-Dec-20		
			Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)	Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)	Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)
MW101-20	258.43	259.46	8.14	7.14	251.29	-		-	8.11	7.08	251.35
MW102-20	257.15	257.93	11.49	10.71	246.44	11.43	10.65	247.28	11.03	10.25	246.90
MW103-20	254.31	255.25	6.38	5.44	248.87	7.05	6.11	249.14	5.18	4.24	250.07
MW104-20	254.52	255.35	11.11	10.28	244.24	10.98	10.15	245.20	11.06	10.23	244.29
MW105-20	256.04	256.92	6.24	5.36	250.68	-		-	6.27	5.39	250.65
MW106-20	257.86	257.77	6.59	6.68	251.18	6.61	6.70	251.07	6.64	6.73	251.13
MW107-20	256.48	257.31	9.39	8.56	247.92	-		-	9.26	8.43	248.05
MW108-20	261.27	262.20	10.00	9.07	252.20	-		-	10.00	9.07	252.20

Notes:
Date of elevation survey: November 25, 2020
Elevations are geodetic and are referenced to benchmark PEEL52
"m" - meters
"masl" - meters above sea level
"mbtop" - meters below top of pipe
"-" not measured or not applicable

Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW101-20	MW101-20	MW101-20	MW101-20	MW102-20	MW103-20	MW103-20	MW104-20
					Sample Name		MW101-20 0.9-2	MW1101-20 0.9-2	MW1101-20 0.9-2 Lab-Dup	MW101-20 10-12	MW102-20 1.1-2	MW103-20 0.7-2	MW103-20 0.7-2 Lab-Dup	MW104-20 0-2
					Lab Job #		C0S8776	C0S8776	C0S8776	C0S8776	C0T3352	C0T2774	C0T2774	C0T2774
					Laboratory ID		OAU669	OAU670	OAU670	OAU673	OBU556	OBR071	OBR071	OBR074
					Sampling Date		30-Oct-2020	30-Oct-2020	30-Oct-2020	30-Oct-2020	03-Nov-2020	04-Nov-2020	04-Nov-2020	04-Nov-2020
					Sample Depth (m bgs)		0.3-0.6	0.3-0.6	0.3-0.6	3.0-3.7	0.3-0.6	0.2-0.6	0.2-0.6	0.0-0.6
Maximum Concentration			Field Duplicate	Laboratory Duplicate				Laboratory Duplicate						
Metals and Hydride-Forming Metals														
Antimony	µg/g	0.2 - 1	1.3	50		0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20
Arsenic	µg/g	1	18	18		6.6	6.6	6.1	6.1	5.5	5.6	6.4	-	4.5
Barium	µg/g	0.5 - 1	220	670		160	63	63	65	57	62	80	-	68
Beryllium	µg/g	0.2 - 0.5	2.5	10		1.1	0.7	0.72	0.74	0.55	0.72	0.99	-	0.7
Boron	µg/g	5	36	120		8.6	<5.0	<5.0	<5.0	6.5	6.5	7.3	-	<5.0
Cadmium	µg/g	0.1 - 0.5	1.2	1.9		0.18	0.16	<0.10	<0.10	<0.10	<0.10	<0.10	-	0.17
Chromium	µg/g	1	70	160		35	20	21	21	18	20	25	-	20
Cobalt	µg/g	0.1 - 1	21	100		14	10	9.7	9.9	10	12	13	-	8.7
Copper	µg/g	0.5 - 1	92	300		41	38	36	36	39	35	41	-	26
Lead	µg/g	1	120	120		18	7.7	7.6	7.6	8.4	8.7	11	-	10
Molybdenum	µg/g	0.5 - 1	2	40		0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50
Nickel	µg/g	0.5 - 1	82	340		35	24	24	24	21	25	28	-	19
Selenium	µg/g	0.5 - 1	1.5	5.5	<	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50
Silver	µg/g	0.2	0.5	50	<	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3		0.22	0.12	0.11	0.12	0.11	0.14	0.18	-	0.12
Uranium	µg/g	0.05 - 1	2.5	33		0.7	0.42	0.42	0.41	0.4	0.43	0.54	-	0.54
Vanadium	µg/g	1 - 5	86	86		50	30	31	30	23	30	35	-	30
Zinc	µg/g	5	290	340		73	53	52	51	47	55	61	-	65
pH	pH units	0.1	NR	NR		7.91	7.59	7.58	-	7.83	7.41	7.38	7.49	7.36

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	MW106-20	BH110-20	BH112-20	BH114-20	BH118-20	BH122-20	BH126-20	BH135-20	BH138-20	BH140-20
					MW106-20 0-1.25	BH110-20 0.75-2	BH112-20 1-2	BH114-20 0-2	BH118-20 0.8-2	BH122-20 0-2	BH126-20 1.2-2	BH135-20 0-2	BH138-20 0.8-2	BH140-20 1.25-2
					C0U0369	C0S8776	C0T3352	C0T1804	C0T3352	C0T1804	C0T3352	C0T1804	C0T5982	C0T5982
					ODJ435	OAU666	OBU563	OBL997	OBU576	OBM003	OBU594	OBM011	OCJ706	OCJ691
					10-Nov-2020	30-Oct-2020	02-Nov-2020	03-Nov-2020	02-Nov-2020	03-Nov-2020	02-Nov-2020	03-Nov-2020	06-Nov-2020	05-Nov-2020
					0.0-0.4	0.2-0.6	0.3-0.6	0.0-0.6	0.2-0.6	0.0-0.6	0.4-0.6	0.0-0.6	0.2-0.6	0.4-0.6
Metals and Hydride-Forming Metals														
Antimony	µg/g	0.2 - 1	1.3	50	<0.20	<0.20	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	µg/g	1	18	18	2.5	4.4	6	3.3	5.1	4.2	4.9	5	4.4	4.5
Barium	µg/g	0.5 - 1	220	670	33	47	83	69	40	48	160	49	140	77
Beryllium	µg/g	0.2 - 0.5	2.5	10	0.21	0.47	0.81	0.65	0.61	0.55	1.1	0.52	1	0.72
Boron	µg/g	5	36	120	5.1	5	7.3	<5.0	<5.0	5.2	8.6	5.7	6.5	<5.0
Cadmium	µg/g	0.1 - 0.5	1.2	1.9	0.1	<0.10	0.1	0.16	<0.10	0.12	0.16	<0.10	0.15	0.18
Chromium	µg/g	1	70	160	9.7	14	22	20	19	17	35	17	34	21
Cobalt	µg/g	0.1 - 1	21	100	4	8.4	12	9.3	8.6	9.2	14	11	14	8.8
Copper	µg/g	0.5 - 1	92	300	31	30	37	21	32	22	32	33	26	22
Lead	µg/g	1	120	120	15	6.3	8.6	10	7.9	7.1	13	8	13	8.5
Molybdenum	µg/g	0.5 - 1	2	40	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Nickel	µg/g	0.5 - 1	82	340	9.6	17	26	18	19	20	35	21	28	21
Selenium	µg/g	0.5 - 1	1.5	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	µg/g	0.2	0.5	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3	0.067	0.092	0.12	0.14	0.091	0.12	0.21	0.1	0.22	0.13
Uranium	µg/g	0.05 - 1	2.5	33	0.39	0.37	0.45	0.46	0.42	0.41	0.53	0.38	0.7	0.48
Vanadium	µg/g	1 - 5	86	86	19	22	33	31	27	26	50	24	47	33
Zinc	µg/g	5	290	340	54	40	59	55	45	49	70	49	65	72
pH	pH units	0.1	NR	NR	7.91	7.8	7.51	6.89	6.44	7.57	7.27	7.68	7.29	6.87

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	BH140-20	BH141-20	BH142-20	BH150-20	BH151-20	BH151-20	BH154-20
					BH140-20 1.25-2 Lab-Dup	BH141-20 0-2	BH142-20 0-2	BH150-20 0.8-2	BH151-20 0.7-2	BH151-20 0.7-2 Lab-Dup	BH154-20 0.8-2
					C0T5982	C0T1804	C0T1804	C0U4818	C0T5982	C0T5982	C0U4818
					OCJ691	OBM017	OBM020	OEJ528	OCJ716	OCJ716	OEJ530
					05-Nov-2020	03-Nov-2020	03-Nov-2020	12-Nov-2020	06-Nov-2020	06-Nov-2020	12-Nov-2020
					0.4-0.6	0.0-0.6	0.0-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.2-0.6
					Laboratory Duplicate					Laboratory Duplicate	
Metals and Hydride-Forming Metals											
Antimony	µg/g	0.2 - 1	1.3	50	<0.20	0.22	<0.20	<0.20	<0.20	-	<0.20
Arsenic	µg/g	1	18	18	4.5	4	4.2	6	4.3	-	4.7
Barium	µg/g	0.5 - 1	220	670	77	69	94	83	66	-	68
Beryllium	µg/g	0.2 - 0.5	2.5	10	0.71	0.57	0.87	0.9	0.67	-	0.73
Boron	µg/g	5	36	120	<5.0	<5.0	7.1	5.8	<5.0	-	5.5
Cadmium	µg/g	0.1 - 0.5	1.2	1.9	0.16	0.13	0.13	0.1	<0.10	-	<0.10
Chromium	µg/g	1	70	160	22	19	27	25	19	-	19
Cobalt	µg/g	0.1 - 1	21	100	8.6	8.8	12	11	9.3	-	9.7
Copper	µg/g	0.5 - 1	92	300	22	25	27	32	23	-	34
Lead	µg/g	1	120	120	8.5	18	15	11	9.5	-	7.6
Molybdenum	µg/g	0.5 - 1	2	40	<0.50	0.53	<0.50	<0.50	<0.50	-	<0.50
Nickel	µg/g	0.5 - 1	82	340	21	17	24	26	19	-	21
Selenium	µg/g	0.5 - 1	1.5	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50
Silver	µg/g	0.2	0.5	50	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3	0.11	0.096	0.15	0.14	0.12	-	0.1
Uranium	µg/g	0.05 - 1	2.5	33	0.49	0.45	0.52	0.44	0.46	-	0.36
Vanadium	µg/g	1 - 5	86	86	32	27	37	36	30	-	28
Zinc	µg/g	5	290	340	73	67	61	62	46	-	51
pH	pH units	0.1	NR	NR	-	7.11	-	7.37	7.08	7.05	7.53

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 4: Organochlorine Pesticides (OCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW101-20	MW101-20	MW102-20	MW103-20	MW104-20	MW106-20	BH110-20	BH112-20	BH114-20
					Sample Name		MW101-20 0.9-2	MW1101-20 0.9-2	MW102-20 1.1-2	MW103-20 0.7-2	MW104-20 0-2	MW106-20 0-1.25	BH110-20 2.5-4.5	BH112-20 1-2	BH114-20 0-2
					Lab Job #		C0S8776	C0S8776	C0T3352	C0T2774	C0T2774	C0U0369	C0S8776	C0T3352	C0T1804
					Laboratory ID		OAU669	OAU670	OBU556	OBR071	OBR074	ODJ435	OAU667	OBU563	OBL997
					Sampling Date		30-Oct-2020	30-Oct-2020	03-Nov-2020	04-Nov-2020	04-Nov-2020	10-Nov-2020	30-Oct-2020	02-Nov-2020	03-Nov-2020
					Sample Depth (m bgs)		0.3-0.6	0.3-0.6	0.3-0.6	0.2-0.6	0.0-0.6	0.0-0.4	0.8-1.4	0.3-0.6	0.0-0.6
					Maximum Concentration			Field Duplicate							
Organochlorine Pesticides (OCs)															
alpha-Chlordane	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
gamma-Chlordane	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Chlordane (Total)	µg/g	0.002 - 0.028	0.05	0.05	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDD	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
p,p-DDD	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDD + p,p-DDD	µg/g	0.002 - 0.028	0.05	4.6	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDE	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	NR	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
p,p-DDE	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDE + p,p-DDE	µg/g	0.002 - 0.028	0.05	0.65	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDT	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
p,p-DDT	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	NR	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
o,p-DDT + p,p-DDT	µg/g	0.002 - 0.028	1.4	1.4	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Dieldrin	µg/g	0.002 - 0.02	0.05	0.11	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Endosulfan I	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Endosulfan II	µg/g	0.002 - 0.02	NR	NR	<	0.01	<0.0020	NR	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Total Endosulfan	µg/g	0.002 - 0.028	0.04	0.38	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Endrin	µg/g	0.002 - 0.02	0.04	0.04	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Heptachlor	µg/g	0.002 - 0.02	0.05	0.19	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	µg/g	0.002 - 0.02	0.05	0.05	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	µg/g	0.002 - 0.01	0.01	0.66	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	µg/g	0.002 - 0.01	0.01	0.095	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
gamma-Hexachlorocyclohexane (Lindane)	µg/g	0.002 - 0.01	0.01	0.063	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Hexachloroethane	µg/g	0.002 - 0.01	0.01	0.43	<	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.010	<0.0020	<0.0020	<0.0020
Methoxychlor	µg/g	0.005 - 0.025	0.05	1.6	<	0.025	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	<0.0050	<0.0050	<0.0050

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 4: Organochlorine Pesticides (OCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	BH118-20	BH122-20	BH122-20	BH126-20	BH138-20	BH140-20	BH141-20	BH150-20	BH151-20	BH154-20
					BH118-20 0.8-2	BH122-20 0-2	BH122-20 0-2 Lab-Dup	BH126-20 1.2-2	BH138-20 0.8-2	BH140-20 1.25-2	BH141-20 0-2	BH150-20 0.8-2	BH151-20 0.7-2	BH154-20 0.8-2
					C0T3352	C0T1804	C0T1804	C0T3352	C0T5982	C0T5982	C0T1804	C0U4818	C0T5982	C0U4818
					OBU576	OBM003	OBM003	OBU594	OCJ706	OCJ691	OBM017	OEJ528	OCJ716	OEJ530
					02-Nov-2020	03-Nov-2020	03-Nov-2020	02-Nov-2020	06-Nov-2020	05-Nov-2020	03-Nov-2020	12-Nov-2020	06-Nov-2020	12-Nov-2020
					0.2-0.6	0.0-0.6	0.0-0.6	0.4-0.6	0.2-0.6	0.4-0.6	0.0-0.6	0.2-0.6	0.2-0.6	0.2-0.6
						Laboratory Duplicate								
Organochlorine Pesticides (OCs)														
alpha-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane (Total)	µg/g	0.002 - 0.028	0.05	0.05	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD + p,p-DDD	µg/g	0.002 - 0.028	0.05	4.6	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.004	<0.0020	<0.0020	<0.0020
o,p-DDE + p,p-DDE	µg/g	0.002 - 0.028	0.05	0.65	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	0.004	<0.0020	<0.0020	<0.0020
o,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT + p,p-DDT	µg/g	0.002 - 0.028	1.4	1.4	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	µg/g	0.002 - 0.02	0.05	0.11	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan I	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan II	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Endosulfan	µg/g	0.002 - 0.028	0.04	0.38	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	µg/g	0.002 - 0.02	0.04	0.04	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	µg/g	0.002 - 0.02	0.05	0.19	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	µg/g	0.002 - 0.02	0.05	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	µg/g	0.002 - 0.01	0.01	0.66	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	µg/g	0.002 - 0.01	0.01	0.095	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Hexachlorocyclohexane (Lindane)	µg/g	0.002 - 0.01	0.01	0.063	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	µg/g	0.002 - 0.01	0.01	0.43	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	µg/g	0.005 - 0.025	0.05	1.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 5: Petroleum Hydrocarbons (PHCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location	MW101-20	MW106-20	MW106-20	MW106-20	MW106-20	BH135-20	BH141-20	BH141-20	BH142-20	
					Sample Name	MW101-20 10-12	MW106-20 0-1.25	MW106-20 1.25-2	MW106-20 1.25-2 Lab-Dup	MW106-20 5-7	BH135-20 0-2	BH141-20 0-2	BH141-20 0-2 Lab-Dup	BH142-20 0-2	
					Lab Job #	C0S8776	C0U0369	C0U0369	C0U0369	C0U0369	C0T1804	C0T1804	C0T1804	C0T1804	
					Laboratory ID	OAU673	ODJ435	ODJ436	ODJ436	ODJ438	OBM011	OBM017	OBM017	OBM020	
					Sampling Date	30-Oct-2020	10-Nov-2020	10-Nov-2020	10-Nov-2020	10-Nov-2020	03-Nov-2020	03-Nov-2020	03-Nov-2020	03-Nov-2020	
					Sample Depth (m bgs)	3.0-3.7	0.0-0.4	0.4-0.6	0.4-0.6	1.5-2.1	0.0-0.6	0.0-0.6	0.0-0.6	0.0-0.6	
					Maximum Concentration				Laboratory Duplicate				Laboratory Duplicate		
Petroleum Hydrocarbons (PHCs)															
F1 (C6 to C10)	µg/g	5 - 10	25	65	<	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F1 (C6 to C10) minus BTEX	µg/g	5 - 10	25	65	<	10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16)	µg/g	10 - 50	10	250	<	10	<10	<10	<10	-	<10	<10	<10	-	<10
F3 (C16 to C34)	µg/g	50 - 250	240	2500		430	<50	430	<50	-	<50	<50	<50	-	<50
F4 (C34 to C50)	µg/g	50 - 250	120	6600		1600	<50	1600	<50	-	<50	<50	<50	-	<50
Reached Baseline at C50	unitless		NR	NR		NA	YES	NO	YES	-	YES	YES	YES	-	YES
F4G (Gravimetric)	µg/g	100 - 250	120	6600		7400	-	7400	-	-	-	-	-	-	-

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 6: Volatile Organic Compounds (VOCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW101-20	MW106-20	BH135-20	BH141-20	BH141-20	BH142-20
					Sample Name		MW101-20 10-12	MW106-20 0-1.25	BH135-20 0-2	BH141-20 0-2	BH141-20 0-2 Lab-Dup	BH142-20 0-2
					Lab Job #		C0S8776	C0U0369	C0T1804	C0T1804	C0T1804	C0T1804
					Laboratory ID		OAU673	ODJ435	OBM011	OBM017	OBM017	OBM020
					Sampling Date		30-Oct-2020	10-Nov-2020	03-Nov-2020	03-Nov-2020	03-Nov-2020	03-Nov-2020
					Sample Depth (m bgs)		3.0-3.7	0.0-0.4	0.0-0.6	0.0-0.6	0.0-0.6	0.0-0.6
Maximum Concentration								Laboratory Duplicate				
Volatile Organic Compounds (VOCs)												
Acetone	µg/g	0.5	0.5	28	<	0.5	<0.50	<0.50	-	-	-	-
Benzene	µg/g	0.0068 - 0.02	0.02	0.4	<	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromodichloromethane	µg/g	0.05	0.05	1.9	<	0.05	<0.050	<0.050	-	-	-	-
Bromoform	µg/g	0.05	0.05	1.7	<	0.05	<0.050	<0.050	-	-	-	-
Bromomethane	µg/g	0.05	0.05	0.05	<	0.05	<0.050	<0.050	-	-	-	-
Carbon Tetrachloride	µg/g	0.05	0.05	0.71	<	0.05	<0.050	<0.050	-	-	-	-
Chlorobenzene	µg/g	0.05	0.05	2.7	<	0.05	<0.050	<0.050	-	-	-	-
Chloroform	µg/g	0.05	0.05	0.18	<	0.05	<0.050	<0.050	-	-	-	-
Dibromochloromethane	µg/g	0.05	0.05	2.9	<	0.05	<0.050	<0.050	-	-	-	-
1,2-Dichlorobenzene	µg/g	0.05	0.05	1.7	<	0.05	<0.050	<0.050	-	-	-	-
1,3-Dichlorobenzene	µg/g	0.05	0.05	12	<	0.05	<0.050	<0.050	-	-	-	-
1,4-Dichlorobenzene	µg/g	0.05	0.05	0.57	<	0.05	<0.050	<0.050	-	-	-	-
Dichlorodifluoromethane	µg/g	0.05	0.05	25	<	0.05	<0.050	<0.050	-	-	-	-
1,1-Dichloroethane	µg/g	0.05	0.05	0.6	<	0.05	<0.050	<0.050	-	-	-	-
1,2-Dichloroethane	µg/g	0.05	0.05	0.05	<	0.05	<0.050	<0.050	-	-	-	-
1,1-Dichloroethylene	µg/g	0.05	0.05	0.48	<	0.05	<0.050	<0.050	-	-	-	-
Ethylbenzene	µg/g	0.018 - 0.02	0.05	1.6	<	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
cis-1,2-Dichloroethylene	µg/g	0.05	0.05	2.5	<	0.05	<0.050	<0.050	-	-	-	-
trans-1,2-Dichloroethylene	µg/g	0.05	0.05	2.5	<	0.05	<0.050	<0.050	-	-	-	-
1,2-Dichloropropane	µg/g	0.05	0.05	0.68	<	0.05	<0.050	<0.050	-	-	-	-
cis-1,3-Dichloropropene	µg/g	0.03	NR	NR	<	0.03	<0.030	<0.030	-	-	-	-
trans-1,3-Dichloropropene	µg/g	0.03 - 0.04	NR	NR	<	0.04	<0.040	<0.040	-	-	-	-
1,3-Dichloropropene	µg/g	0.05	0.05	0.081	<	0.05	<0.050	<0.050	-	-	-	-
Ethylene Dibromide	µg/g	0.05	0.05	0.05	<	0.05	<0.050	<0.050	-	-	-	-
Hexane (n)	µg/g	0.05	0.05	88	<	0.05	<0.050	<0.050	-	-	-	-
Methyl Ethyl Ketone	µg/g	0.5	0.5	88	<	0.5	<0.50	<0.50	-	-	-	-
Methyl Isobutyl Ketone	µg/g	0.5	0.5	210	<	0.5	<0.50	<0.50	-	-	-	-
Methyl Tert-Butyl Ether	µg/g	0.05	0.05	2.3	<	0.05	<0.050	<0.050	-	-	-	-
Methylene Chloride	µg/g	0.05	0.05	2	<	0.05	<0.050	<0.050	-	-	-	-
Styrene	µg/g	0.05	0.05	43	<	0.05	<0.050	<0.050	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/g	0.05	0.05	0.11	<	0.05	<0.050	<0.050	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/g	0.05	0.05	0.094	<	0.05	<0.050	<0.050	-	-	-	-
Tetrachloroethylene	µg/g	0.05	0.05	2.5	<	0.05	<0.050	<0.050	-	-	-	-
Toluene	µg/g	0.02 - 0.08	0.2	9	<	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
1,1,1-Trichloroethane	µg/g	0.05	0.05	12	<	0.05	<0.050	<0.050	-	-	-	-
1,1,2-Trichloroethane	µg/g	0.05	0.05	0.11	<	0.05	<0.050	<0.050	-	-	-	-
Trichloroethylene	µg/g	0.01 - 0.05	0.05	0.61	<	0.05	<0.050	<0.050	-	-	-	-
Trichlorofluoromethane	µg/g	0.05	0.25	5.8	<	0.05	<0.050	<0.050	-	-	-	-
Vinyl Chloride	µg/g	0.02	0.02	0.25	<	0.02	<0.020	<0.020	-	-	-	-
o-Xylene	µg/g	0.02	NR	NR	<	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
m+p-Xylene	µg/g	0.02 - 0.04	NR	NR	<	0.04	<0.020	<0.020	<0.040	<0.040	<0.040	<0.040
Xylene Mixture	µg/g	0.02 - 0.05	0.05	30	<	0.04	<0.020	<0.020	<0.040	<0.040	<0.040	<0.040

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"- " - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 7: Metals and Hydride-Forming Metals Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW101-20	MW101-20	MW104-20	MW105-20	MW106-20	MW106-20
					Sample Name		MW101-20	MW101-20	MW104-20	MW105-20	MW106-20	MW1106-20
					Lab Job #		C0V1545	C0V1524	C0V9090	C0V1545	C0V9090	C0V9090
					Laboratory ID		OFV696	OFV517	OHL473	OFV697	OHL474	OHL475
					Sampling Date		20-Nov-2020	23-Nov-2020	30-Nov-2020	20-Nov-2020	30-Nov-2020	30-Nov-2020
					Well Screen Interval (m bgs)		11.1-12.0	11.1-12.0	9.8-11.0	6.6-8.1	5.2-8.2	5.2-8.2
					Maximum Concentration							Field Duplicate
Metals and Hydride-Forming Metals												
Antimony	µg/L	0.5	1.5	6	<	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Arsenic	µg/L	1	13	25		2.6	2.6	<1.0	1.1	<1.0	<1.0	<1.0
Barium	µg/L	2	610	1000		200	200	160	87	150	140	130
Beryllium	µg/L	0.4	0.5	4	<	0.4	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron	µg/L	10	1700	5000		160	25	21	31	160	63	58
Cadmium	µg/L	0.09	0.5	2.7	<	0.09	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Chloride	µg/L	1000 - 4000	790000	790000		360000	210000	-	-	360000	-	-
Chromium	µg/L	5	11	50	<	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Cobalt	µg/L	0.5	3.8	3.8		2.1	0.63	<0.50	<0.50	2.1	1.1	1.1
Copper	µg/L	0.9	5	87		12	<0.90	<0.90	<0.90	2.2	12	10
Lead	µg/L	0.5	1.9	10	<	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Molybdenum	µg/L	0.5	23	70		17	2.6	1.5	17	3.1	3.9	3.5
Nickel	µg/L	1	14	100		4.9	1.6	<1.0	<1.0	4.6	4.9	4.6
Selenium	µg/L	2	5	10	<	2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Silver	µg/L	0.09	0.3	1.5	<	0.09	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Sodium	µg/L	100	490000	490000		170000	34000	-	-	170000	-	-
Thallium	µg/L	0.05	0.5	2		0.055	<0.050	<0.050	<0.050	0.055	<0.050	<0.050
Uranium	µg/L	0.1	8.9	20		5.3	0.44	0.24	1.6	5.3	1.9	1.8
Vanadium	µg/L	0.5	3.9	6.2		3.4	<0.50	<0.50	0.79	<0.50	3.4	3.1
Zinc	µg/L	5	160	1100	<	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
pH	pH units		NR	NR		7.96	7.82	7.77	7.96	7.65	6.95	6.98

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 8: Organochlorine Pesticides (OCs) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location	MW101-20	MW104-20	MW106-20	MW106-20	MW106-20	
					Sample Name	MW101-20	MW104-20	MW106-20	MW1106-20	MW1106-20 Lab-Dup	
					Lab Job #	C0V1524	C0V9090	C0V9090	C0V9090	C0V9090	
					Laboratory ID	OFV517	OHL473	OHL474	OHL475	OHL475	
					Sampling Date	23-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	
					Well Screen Interval (m bgs)	11.1-12.0	9.8-11.0	5.2-8.2	5.2-8.2	5.2-8.2	
					Maximum Concentration				Field Duplicate	Laboratory Duplicate	
Organochlorine Pesticides (OCs)											
Aldrin	µg/L	0.005	0.01	0.35	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
alpha-Chlordane	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
gamma-Chlordane	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlordane (Total)	µg/L	0.005	0.06	7	<	0.005	<0.005	<0.005	<0.005	<0.005	-
o,p-DDD	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDD	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDD + p,p-DDD	µg/L	0.005	1.8	10	<	0.005	<0.005	<0.005	<0.005	<0.005	-
o,p-DDE	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDE	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDE + p,p-DDE	µg/L	0.005	10	10	<	0.005	<0.005	<0.005	<0.005	<0.005	-
o,p-DDT	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDT	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDT + p,p-DDT	µg/L	0.005	0.05	2.8	<	0.005	<0.005	<0.005	<0.005	<0.005	-
Dieldrin	µg/L	0.005	0.05	0.35	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan I	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan II	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Endosulfan	µg/L	0.005	0.05	1.5	<	0.005	<0.005	<0.005	<0.005	<0.005	-
Endrin	µg/L	0.005	0.05	0.48	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor	µg/L	0.005	0.01	1.5	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	µg/L	0.005	0.01	0.048	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	µg/L	0.005	0.01	1	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	µg/L	0.009	0.01	0.6	<	0.009	<0.009	<0.009	<0.009	<0.009	<0.009
gamma-Hexachlorocyclohexane (Lindane)	µg/L	0.003	0.01	1.2	<	0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Hexachloroethane	µg/L	0.01	0.01	2.1	<	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	µg/L	0.01	0.05	6.5	<	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 9: Petroleum Hydrocarbons (PHCs) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location	MW101-20	MW104-20	MW106-20	
					Sample Name	MW101-20	MW104-20	MW106-20	
					Lab Job #	C0V1524	C0V9090	C0V9090	
					Laboratory ID	OFV517	OHL473	OHL474	
					Sampling Date	23-Nov-2020	30-Nov-2020	30-Nov-2020	
					Well Screen Interval (m bgs)	11.1-12.0	9.8-11.0	5.2-8.2	
Maximum Concentration									
Petroleum Hydrocarbons (PHCs)									
F1 (C6 to C10)	µg/L	25	420	750		29	<25	29	<25
F1 (C6 to C10) minus BTEX	µg/L	25	420	750		29	<25	29	<25
F2 (C10 to C16)	µg/L	100	150	150	<	100	<100	<100	<100
F3 (C16 to C34)	µg/L	200	500	500		340	<200	340	<200
F4 (C34 to C50)	µg/L	200	500	500	<	200	<200	<200	<200
Reached Baseline at C50	unitless		NR	NR		NA	YES	YES	YES

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Table 10: Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location	MW101-20	MW104-20	MW106-20	
					Sample Name	MW101-20	MW104-20	MW106-20	
					Lab Job #	C0V1524	C0V9090	C0V9090	
					Laboratory ID	OFV517	OHL473	OHL474	
					Sampling Date	23-Nov-2020	30-Nov-2020	30-Nov-2020	
					Well Screen Interval (m bgs)	11.1-12.0	9.8-11.0	5.2-8.2	
					Maximum Concentration				
Benzene, Toluene, Ethylbenzene, Xylene (BTEX)									
Benzene	µg/L	0.2	0.5	5	<	0.2	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	0.2	0.5	2.4	<	0.2	<0.20	<0.20	<0.20
Toluene	µg/L	0.2	0.8	24		0.52	<0.20	0.52	<0.20
o-Xylene	µg/L	0.2	NR	NR	<	0.2	<0.20	<0.20	<0.20
m+p-Xylene	µg/L	0.4	NR	NR	<	0.4	<0.40	<0.40	<0.40
Xylene Mixture	µg/L	0.4	72	300	<	0.4	<0.40	<0.40	<0.40

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

Appendix A

Site Photographs



Photograph No. 1 – View of the machinery storage barn facing north.



Photograph No. 2 – View of the two Quonset huts, trailer and diesel fuel AST facing southwest.



Photograph No. 3 – View of the advancement of borehole MW106-20 in the vicinity of the machinery storage barn and diesel AST.



Photograph No. 4 – View of the fill material and underlying clayey silt till observed at borehole MW106-20.



Photograph No. 5 – View of the agricultural fields on the Site facing east from the mobile home.



Photograph No. 6 – View of the agricultural fields on the Site facing south from the north adjoining property.



Photograph No. 7 – View of the advancement of borehole MW103-20.



Photograph No. 8 – View of the clayey silt till observed at borehole MW103-20.



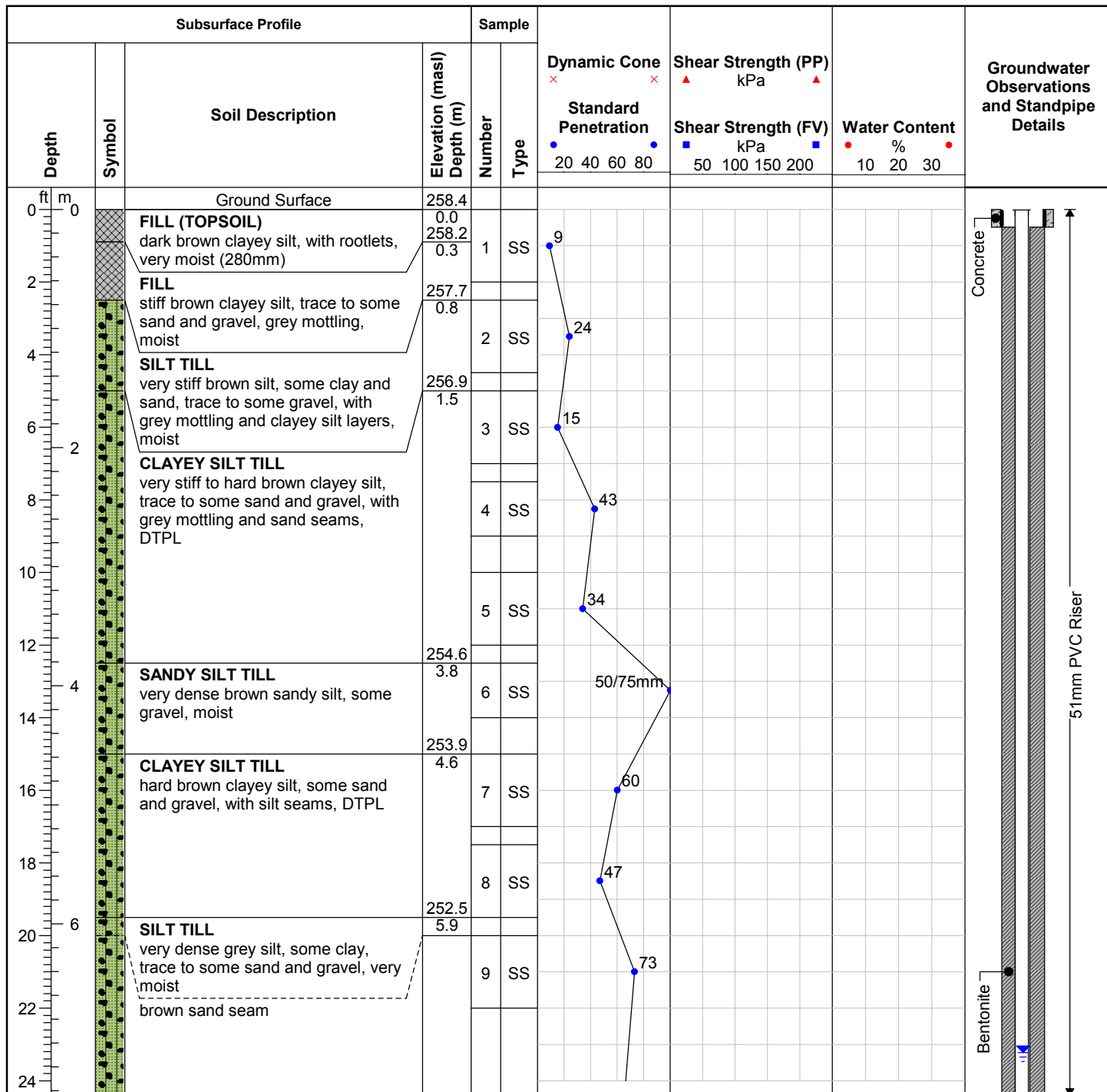
Photograph No. 9 – View of the advancement of borehole BH135-20.

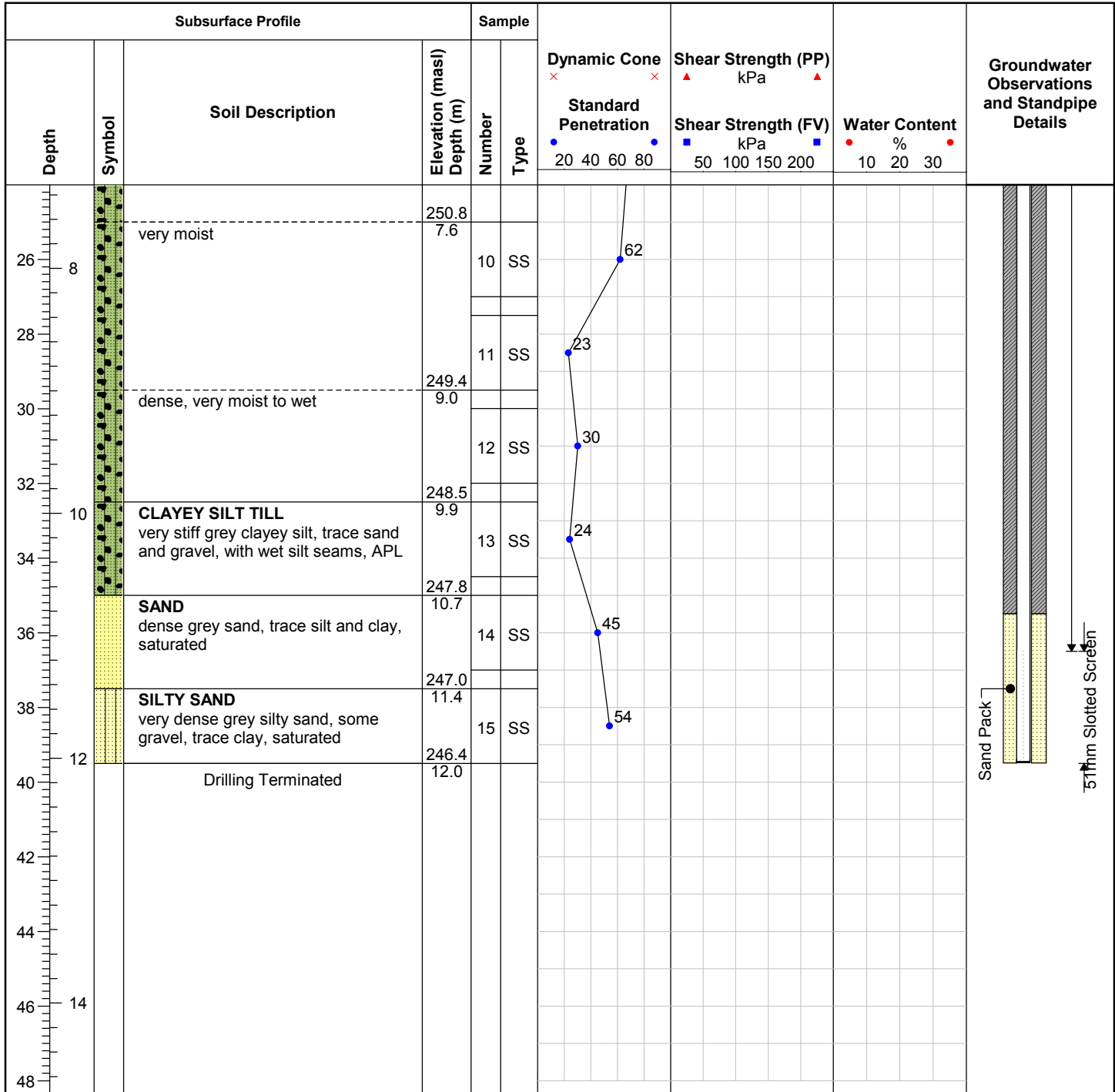


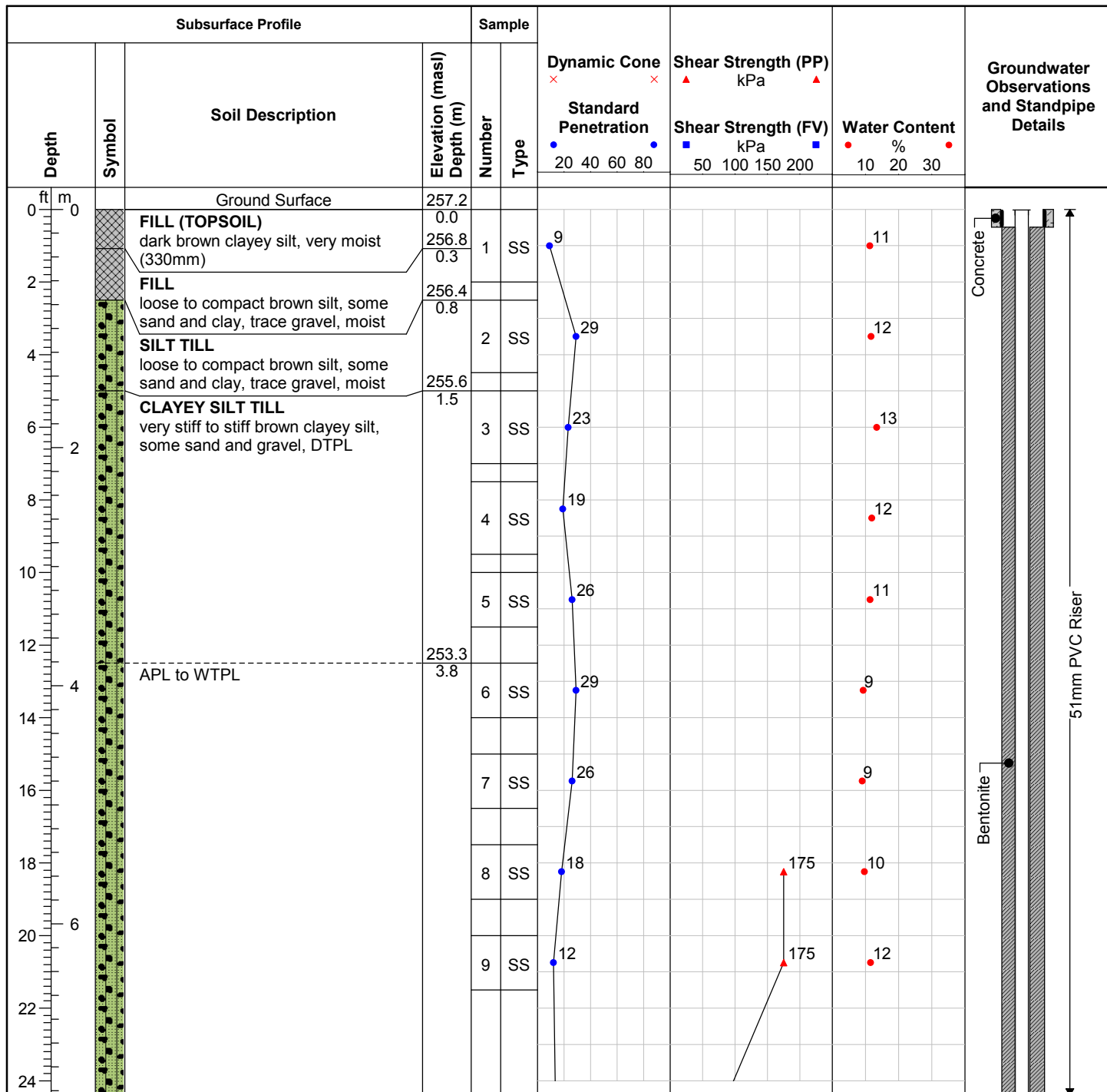
Photograph No. 10 – View of the clayey silt till observed at borehole BH135-20.

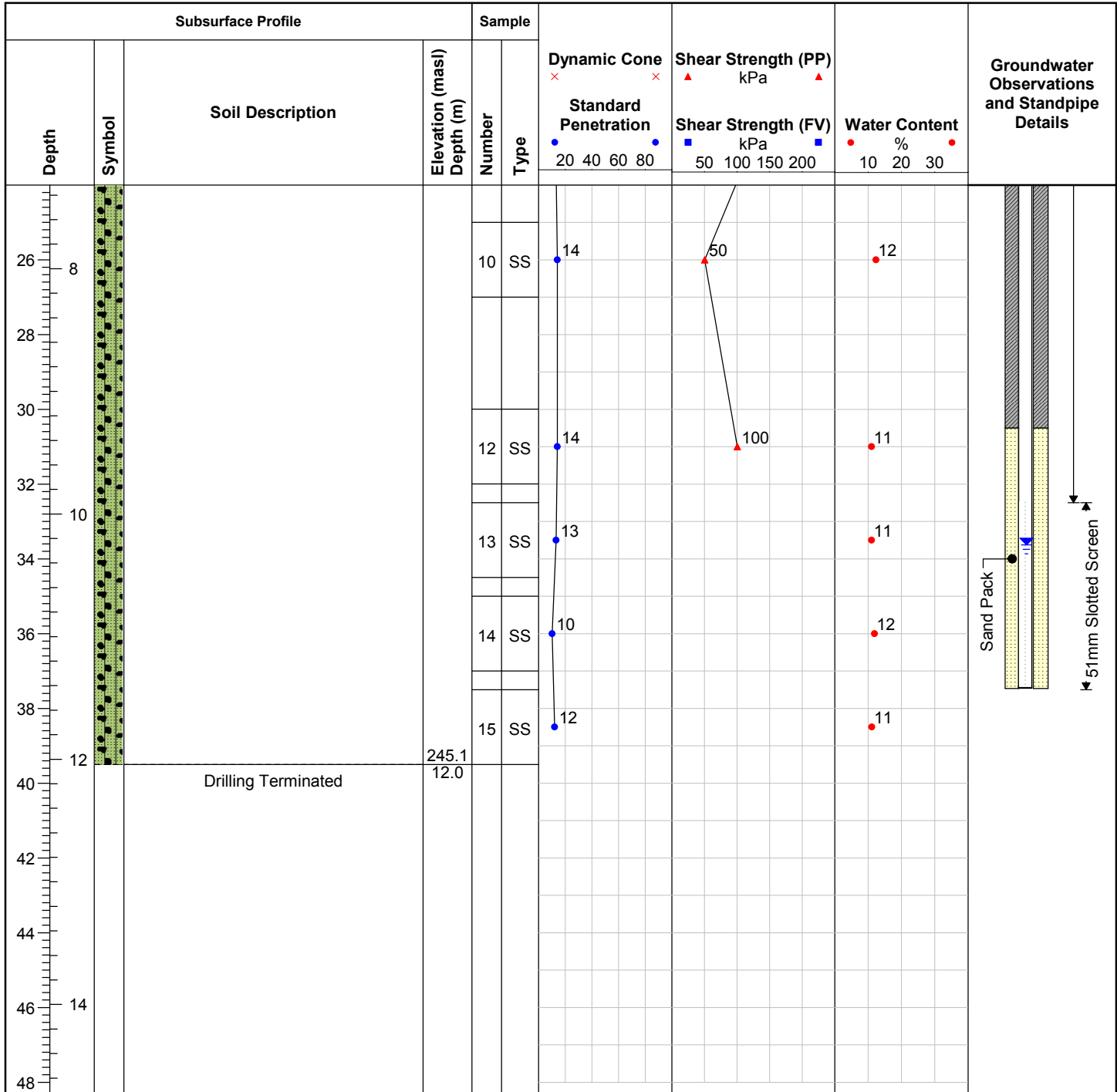
Appendix B

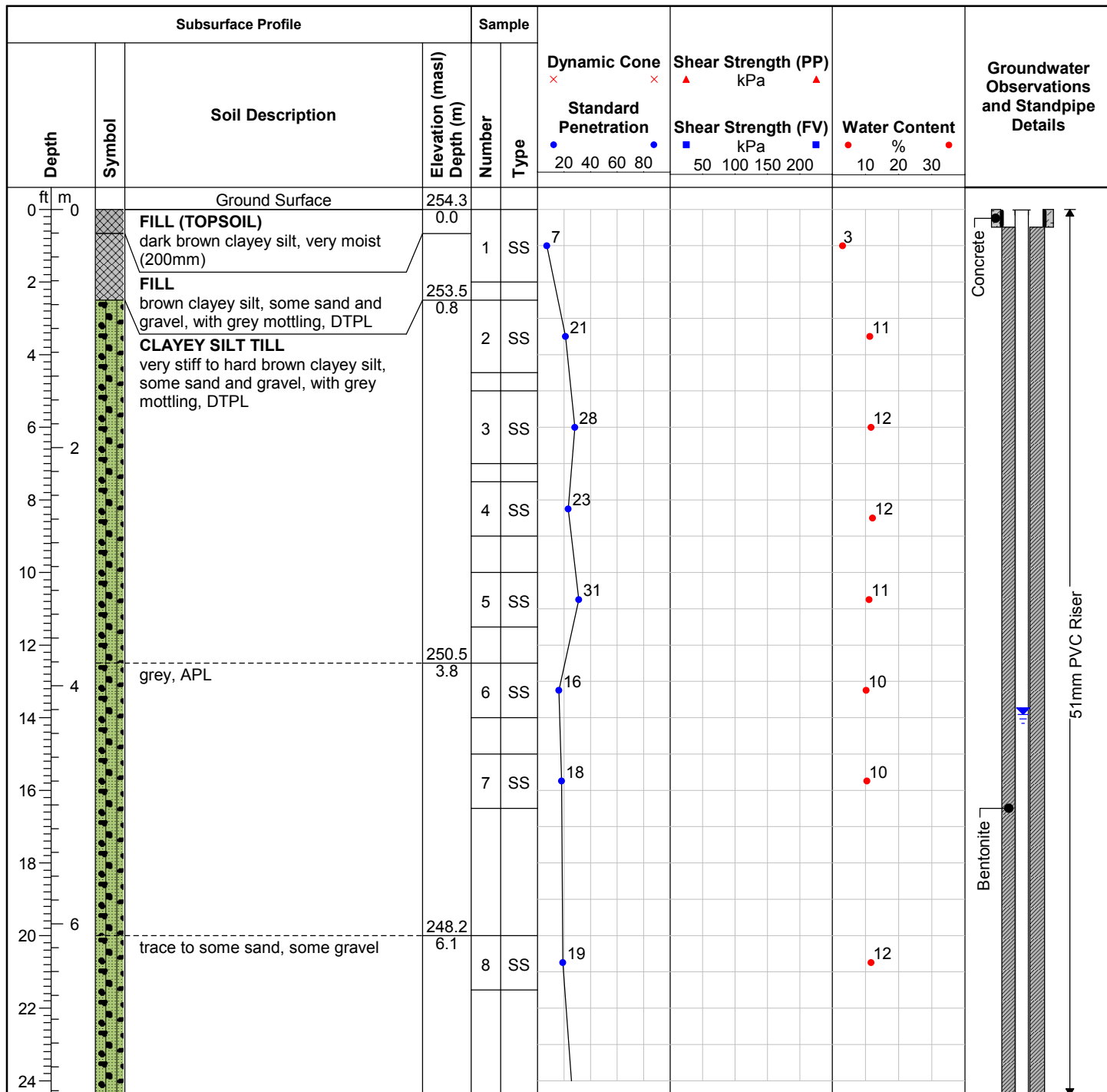
Borehole Logs

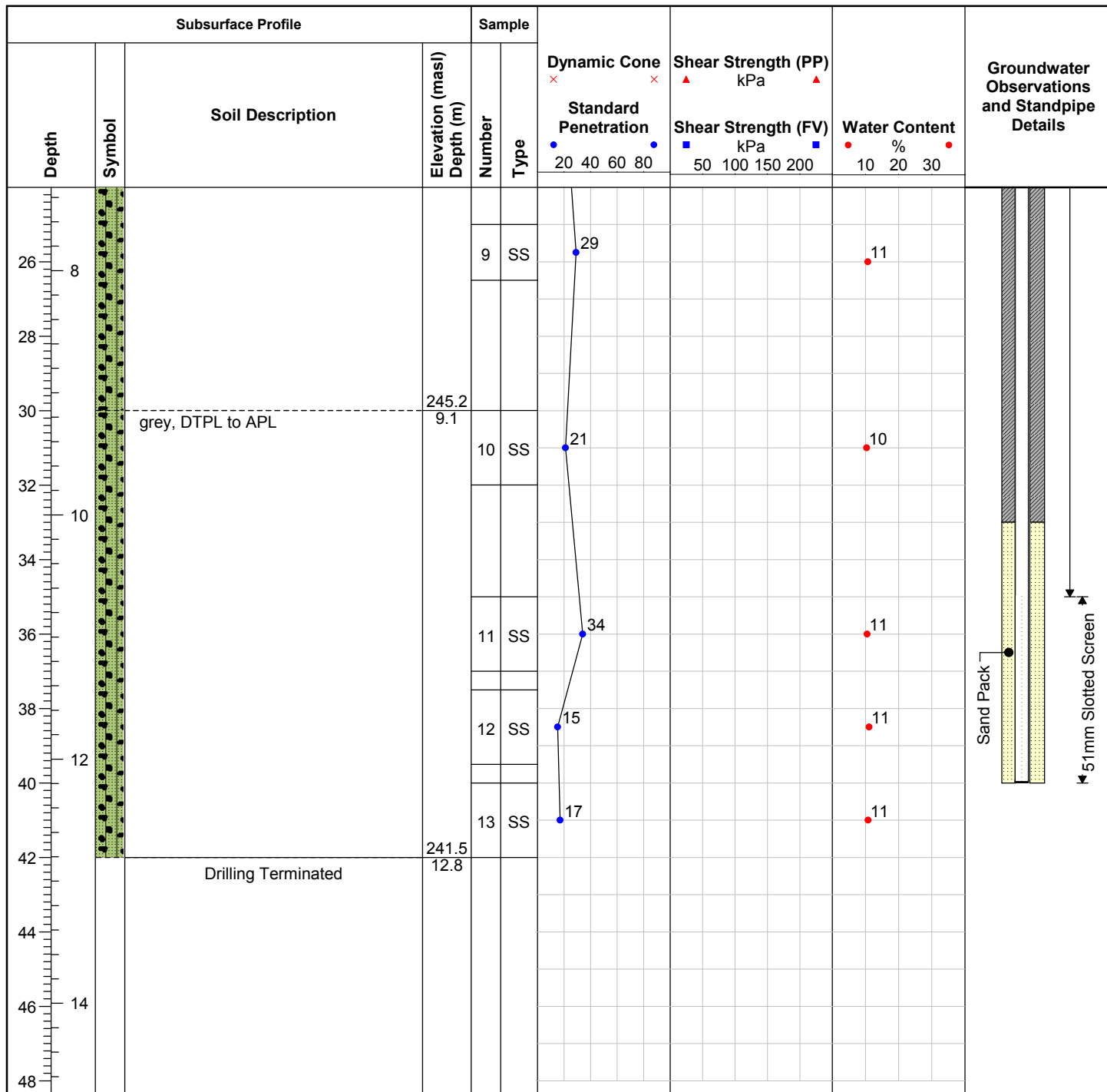
ID Number: MW101-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 10/30/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 7.1mbgs
on Dec 14, 2020

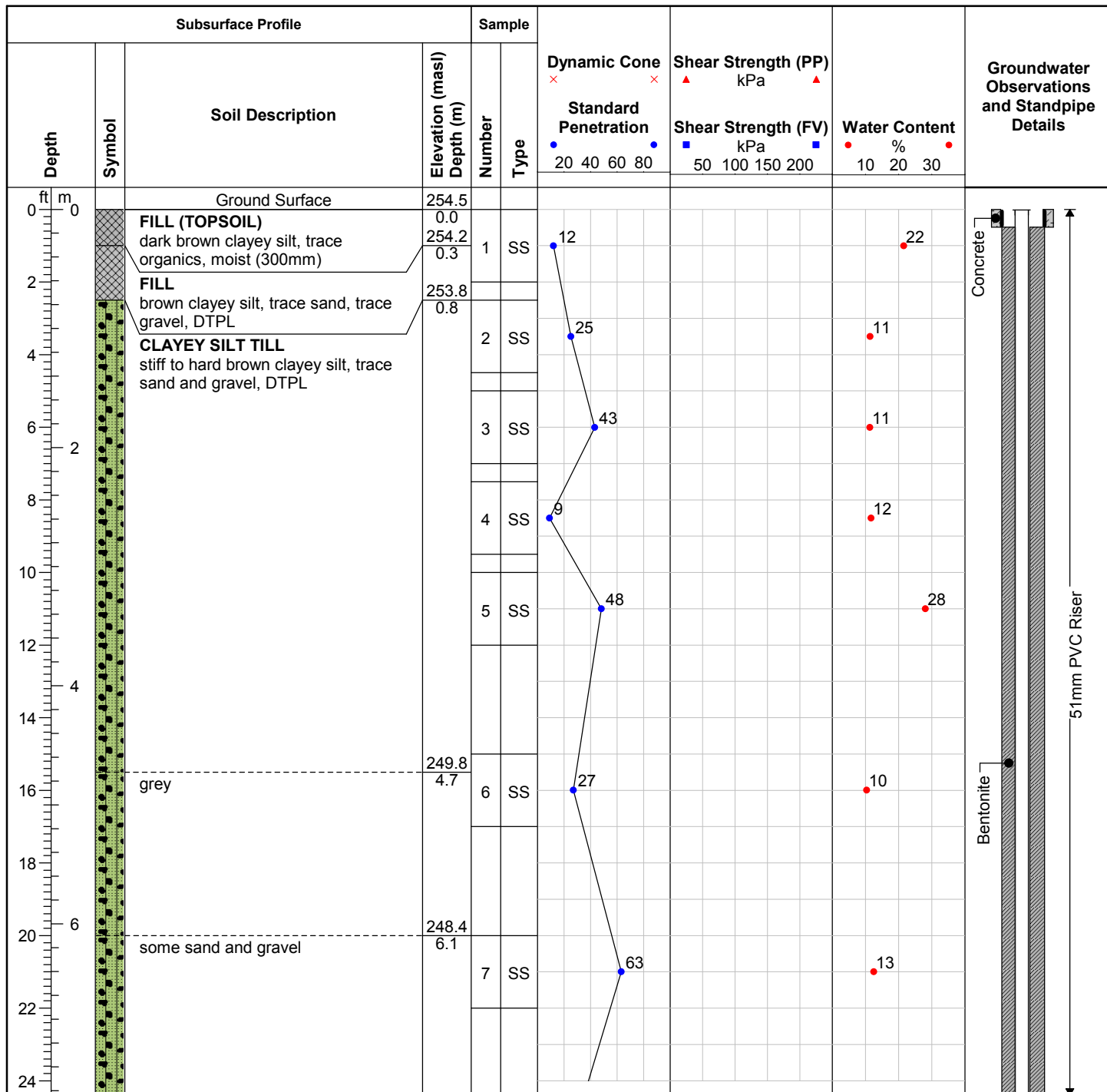
ID Number: MW101-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 10/30/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 7.1mbgs
on Dec 14, 2020

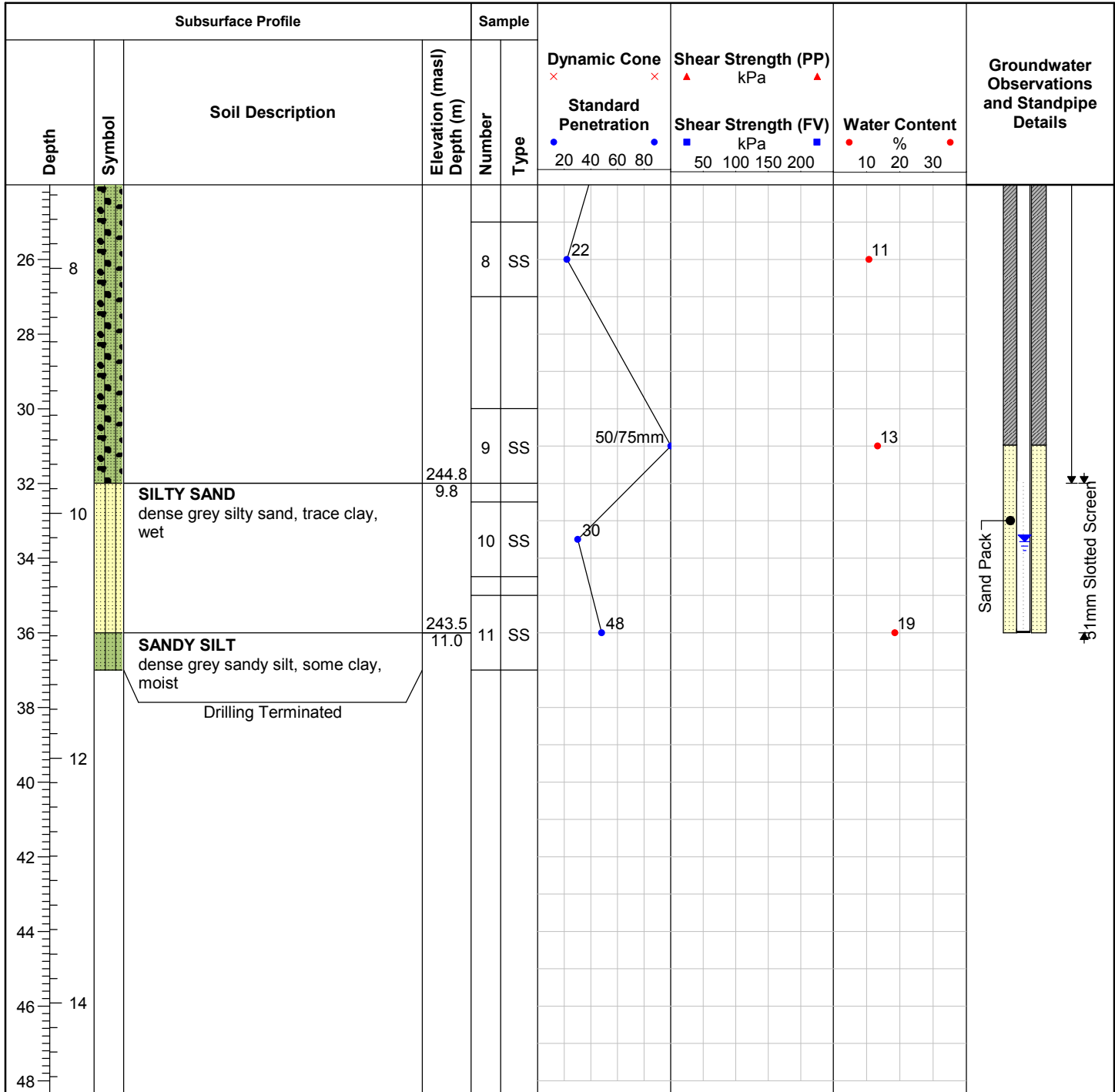
ID Number: MW102-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 10.3mbgs
on Dec 14, 2020

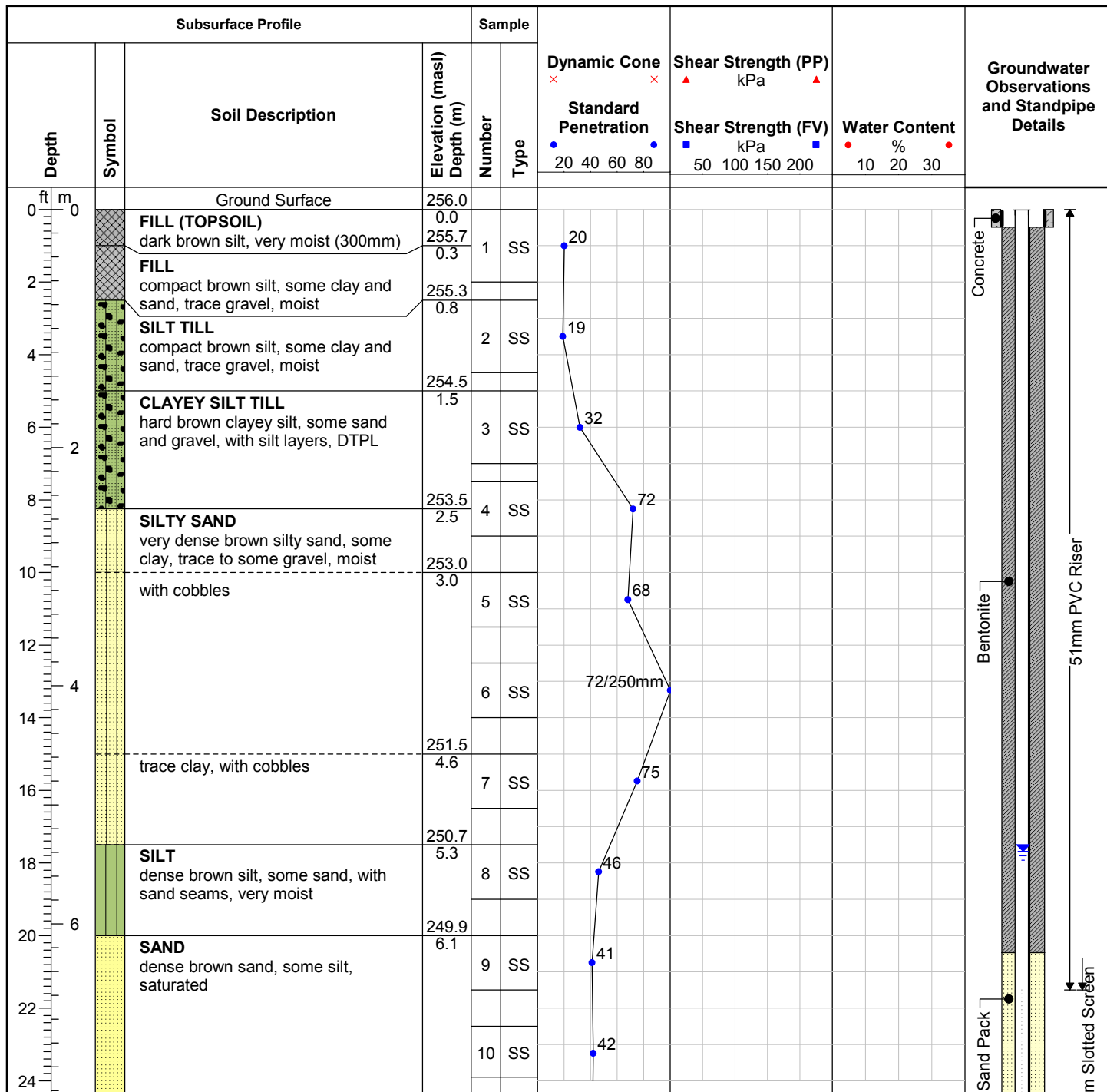
ID Number: MW102-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 10.3mbgs
on Dec 14, 2020

ID Number: MW103-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 4.2mbgs
on Dec 14, 2020

ID Number: MW103-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 4.2mbgs
on Dec 14, 2020

ID Number: MW104-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/4/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 10.2mbgs
on Dec 14, 2020

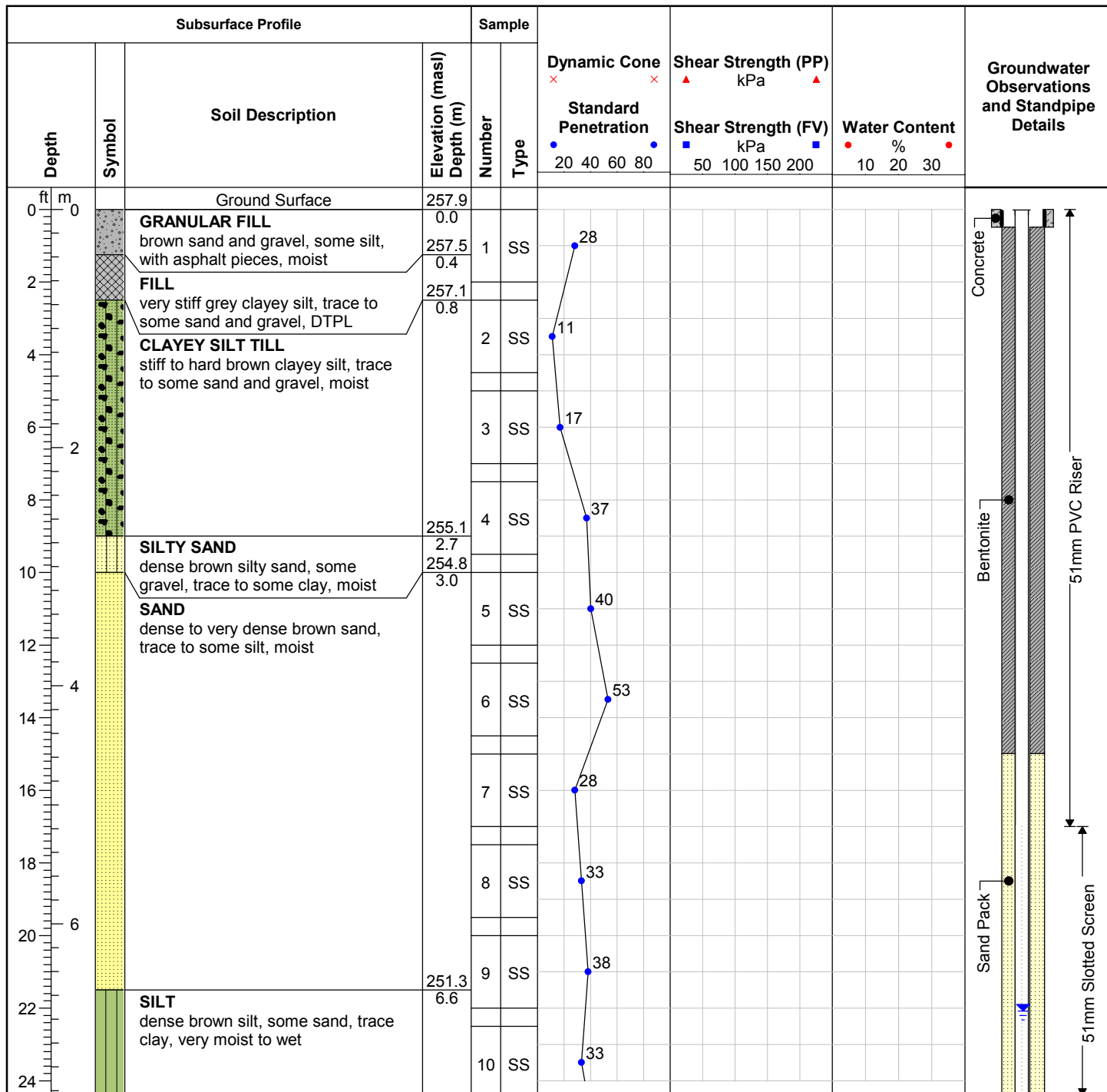
ID Number: MW104-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/4/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 10.2mbgs
on Dec 14, 2020

ID Number: MW105-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/10/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 5.4mbgs
on Dec 14, 2020

ID Number: MW105-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/10/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing

Subsurface Profile				Sample		Dynamic Cone x	Shear Strength (PP) kPa	Shear Strength (FV) kPa	Water Content %	Groundwater Observations and Standpipe Details
Depth	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type					
26	8	grey, trace gravel	248.1 7.9	11	SS	41				
28		SILT dense grey silt, trace sand, wet	247.7 8.4							
30		Drilling Terminated								
32										
34	10									
36										
38										
40	12									
42										
44										
46	14									
48										

Field Technician: MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 5.4mbgs
on Dec 14, 2020

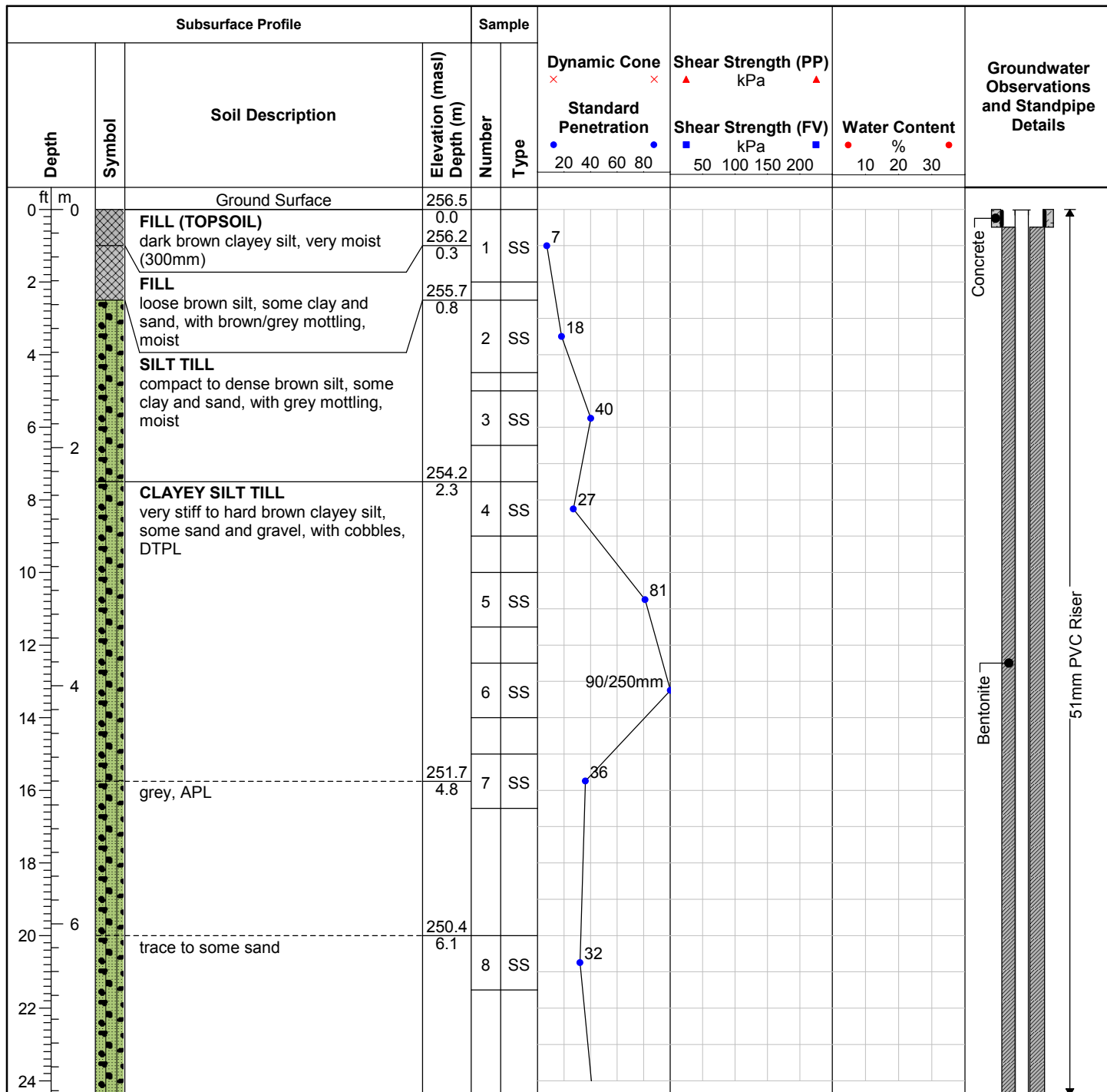
ID Number: MW106-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/10/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

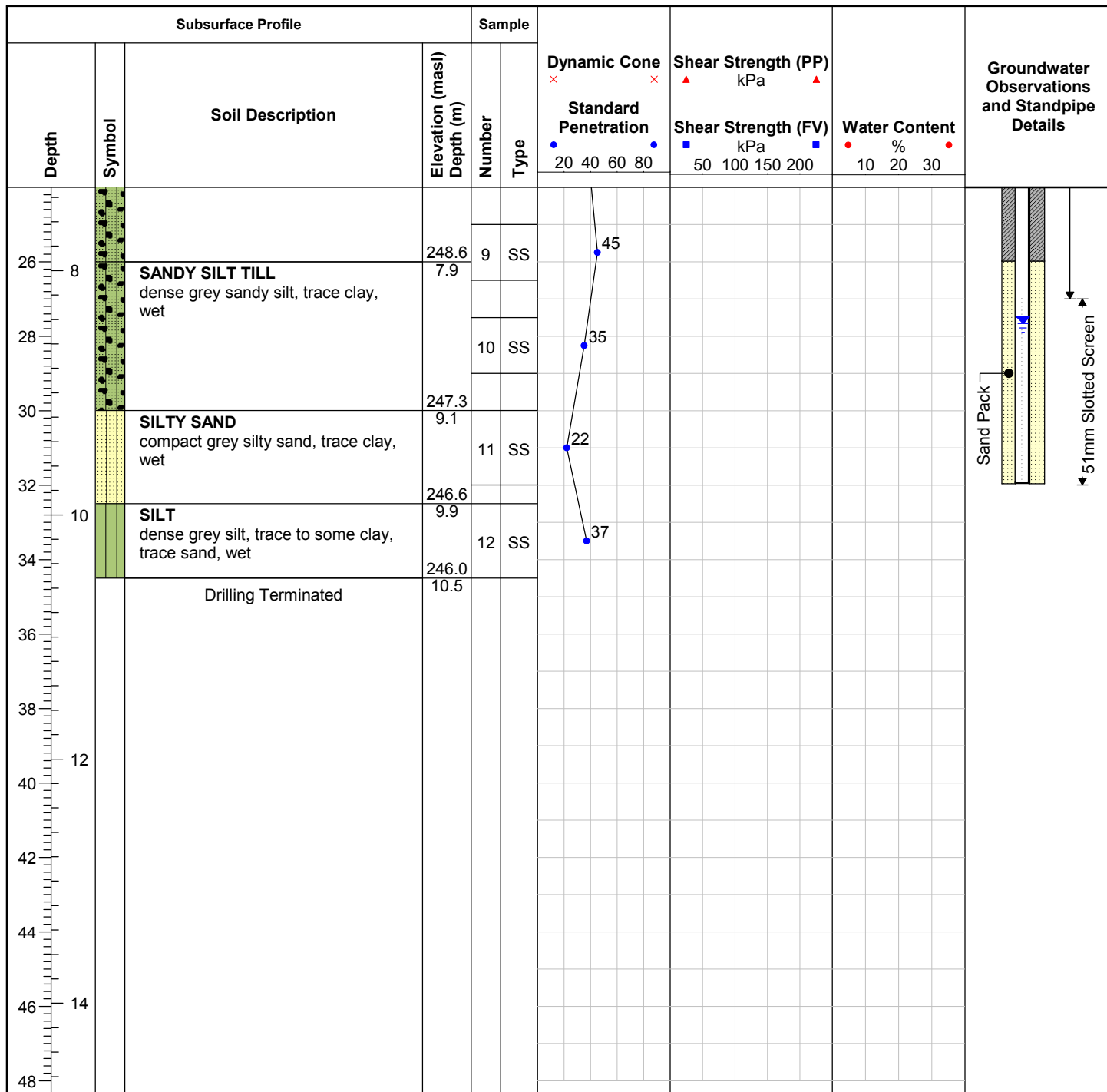
Water level measured at 6.7mbgs on Dec 14, 2020

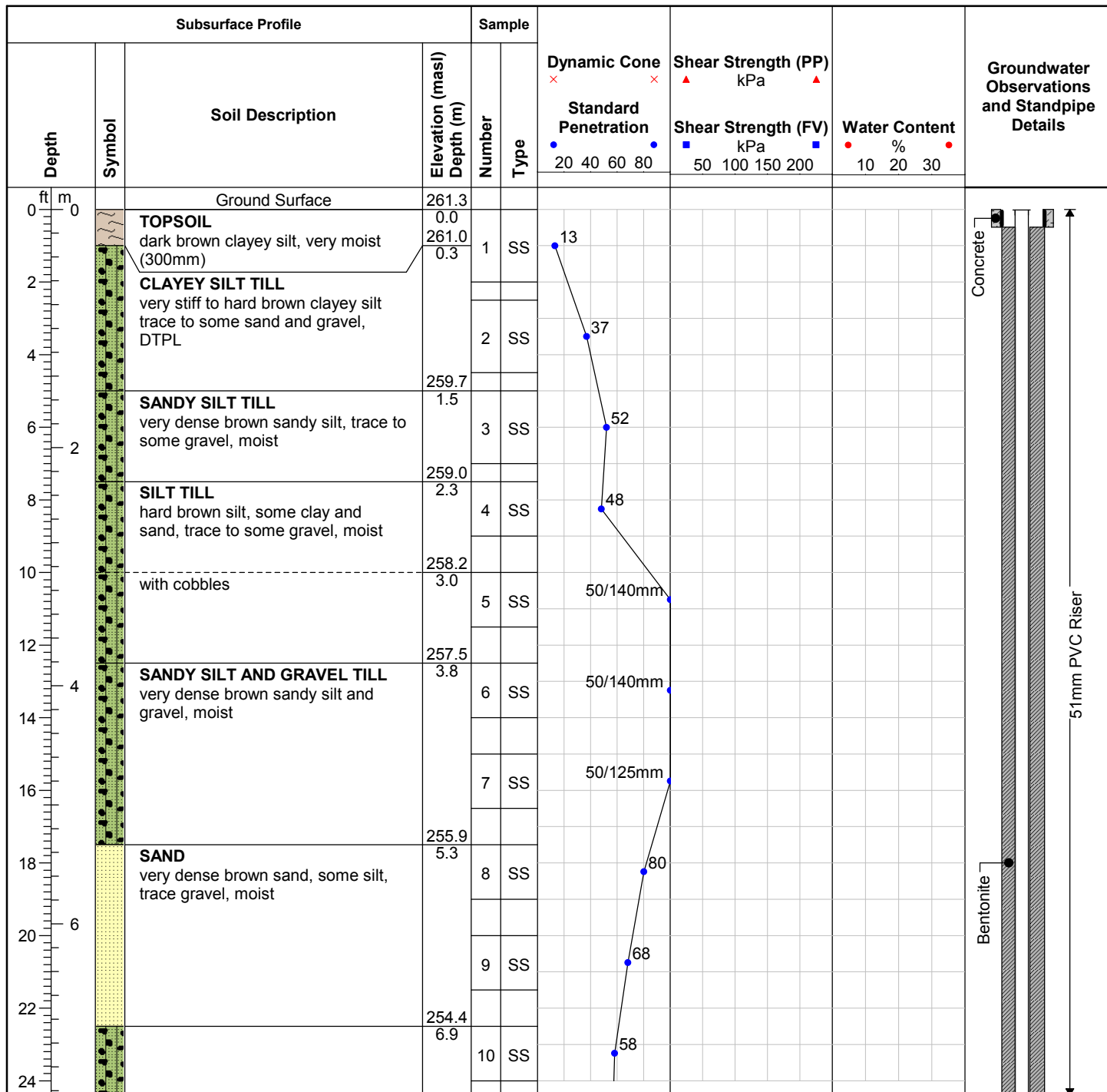
ID Number: MW106-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/10/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing

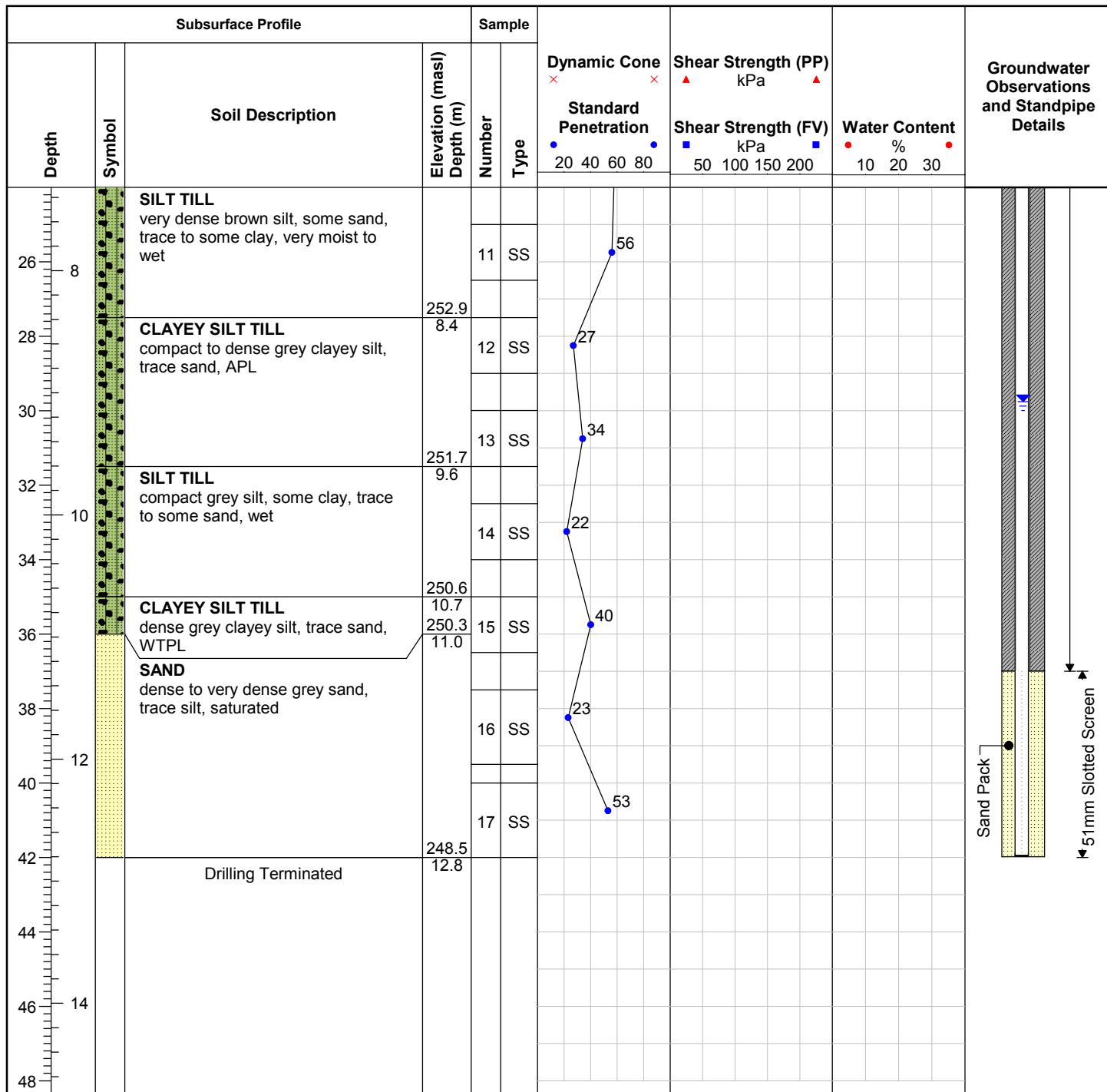
Subsurface Profile				Sample		Dynamic Cone x	Shear Strength (PP) kPa	Shear Strength (FV) kPa	Water Content %	Groundwater Observations and Standpipe Details
Depth	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type					
26	8	SILTY SAND dense brown silty sand, saturated grey	250.2 7.6 249.9 7.9 249.6 8.2	11	SS	45				
28		Drilling Terminated								
30										
32	10									
34										
36										
38										
40	12									
42										
44										
46	14									
48										

Field Technician: MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 6.7mbgs
on Dec 14, 2020

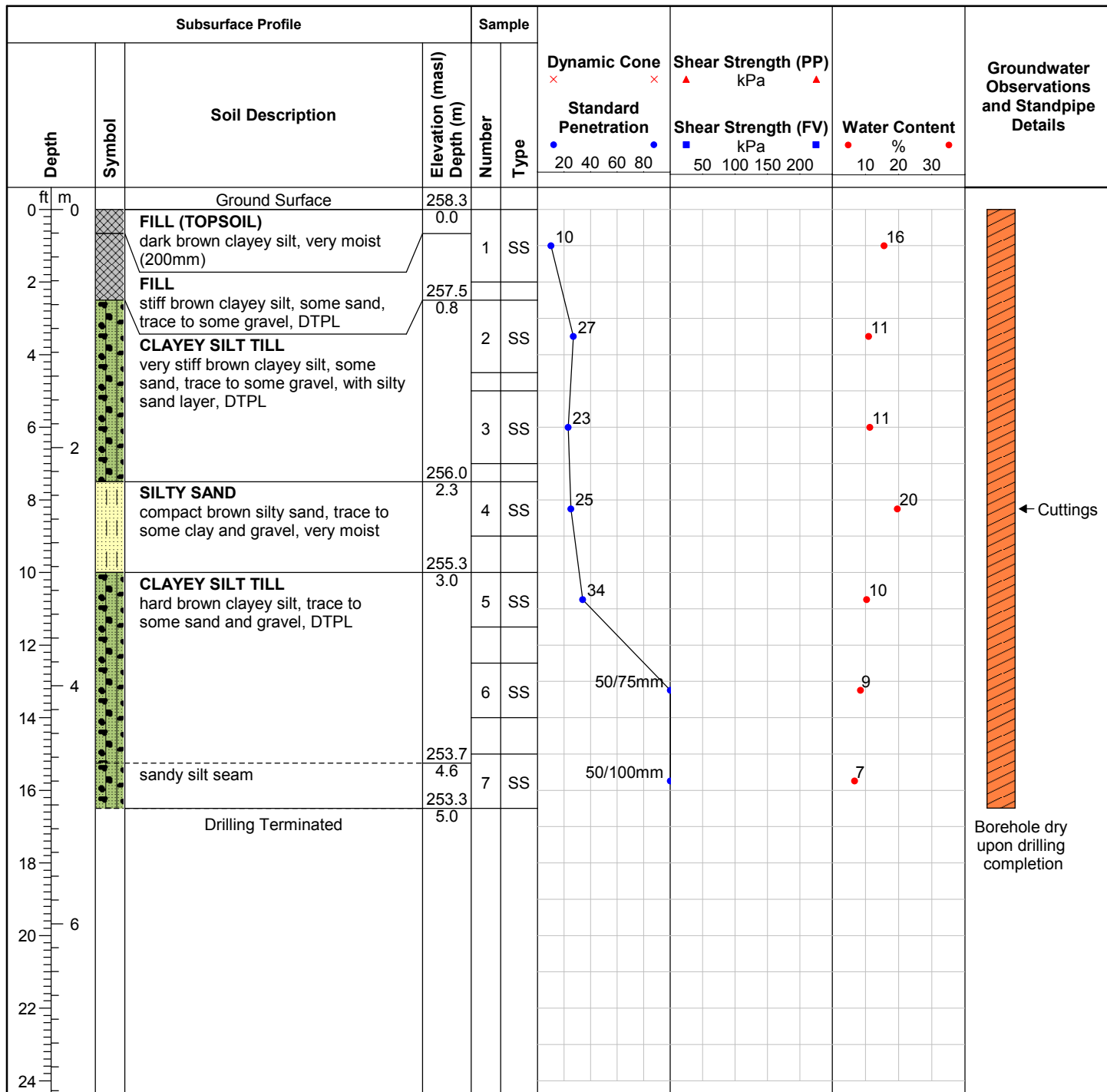
ID Number: MW107-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/11/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 8.4mbgs
on Dec 14, 2020

ID Number: MW107-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/11/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 8.4mbgs
on Dec 14, 2020

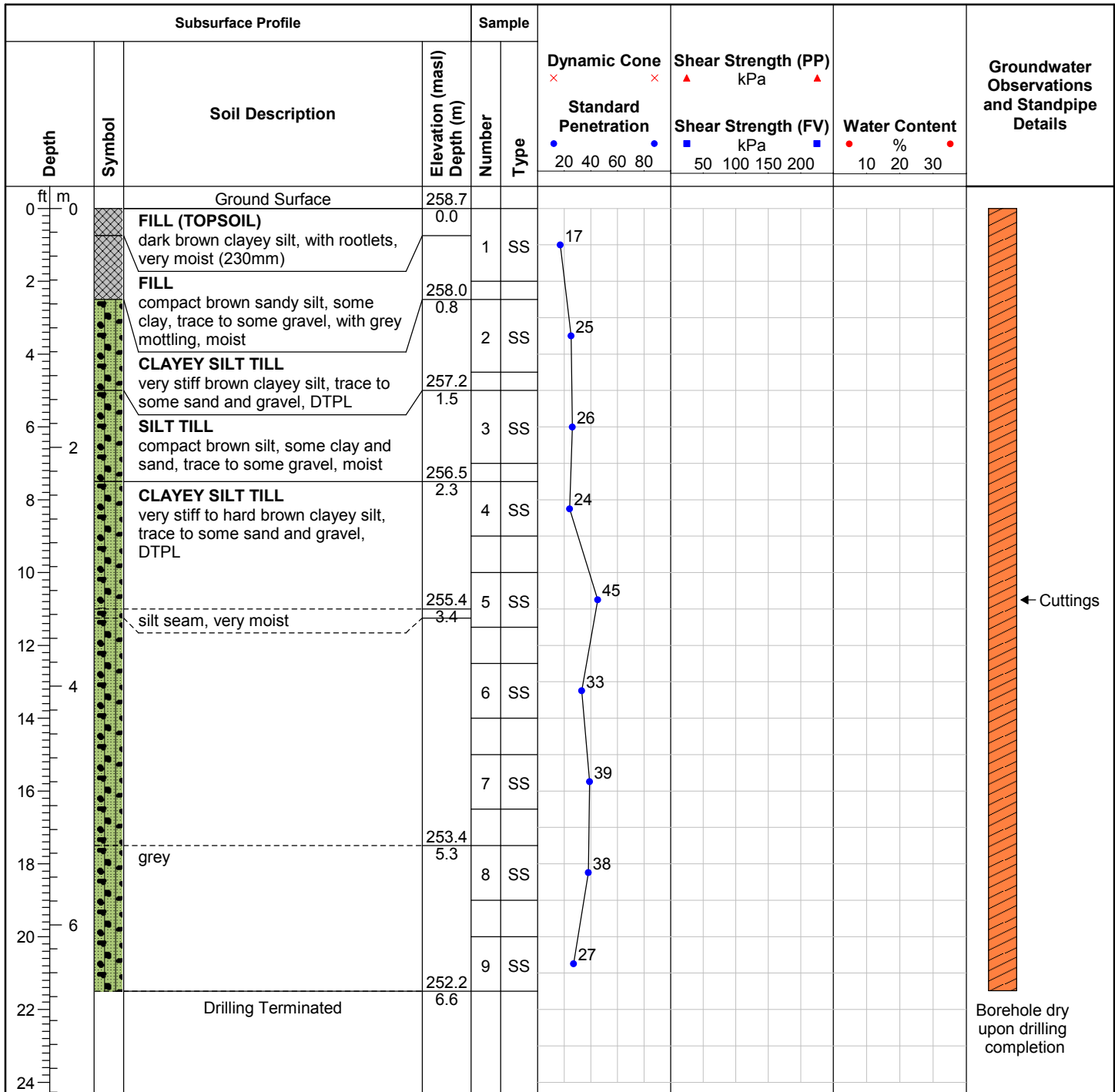
ID Number: MW108-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/9/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. ThornerWater level measured at 9.1mbgs
on Dec 14, 2020

ID Number: MW108-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/9/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Hollow Stem Auger**Protective Cover:** Monument Casing**Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

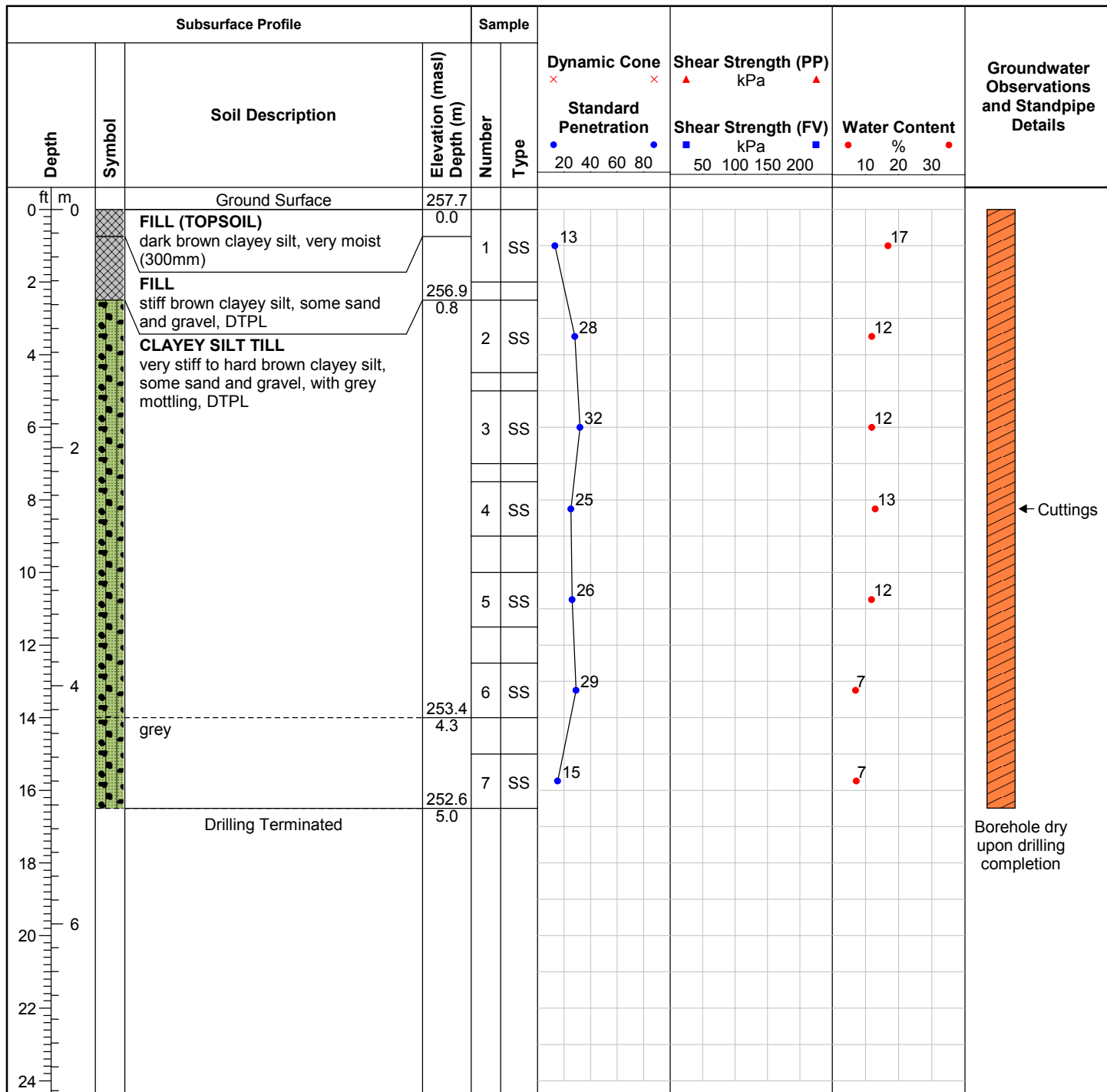
Water level measured at 9.1mbgs on Dec 14, 2020

ID Number: BH109-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

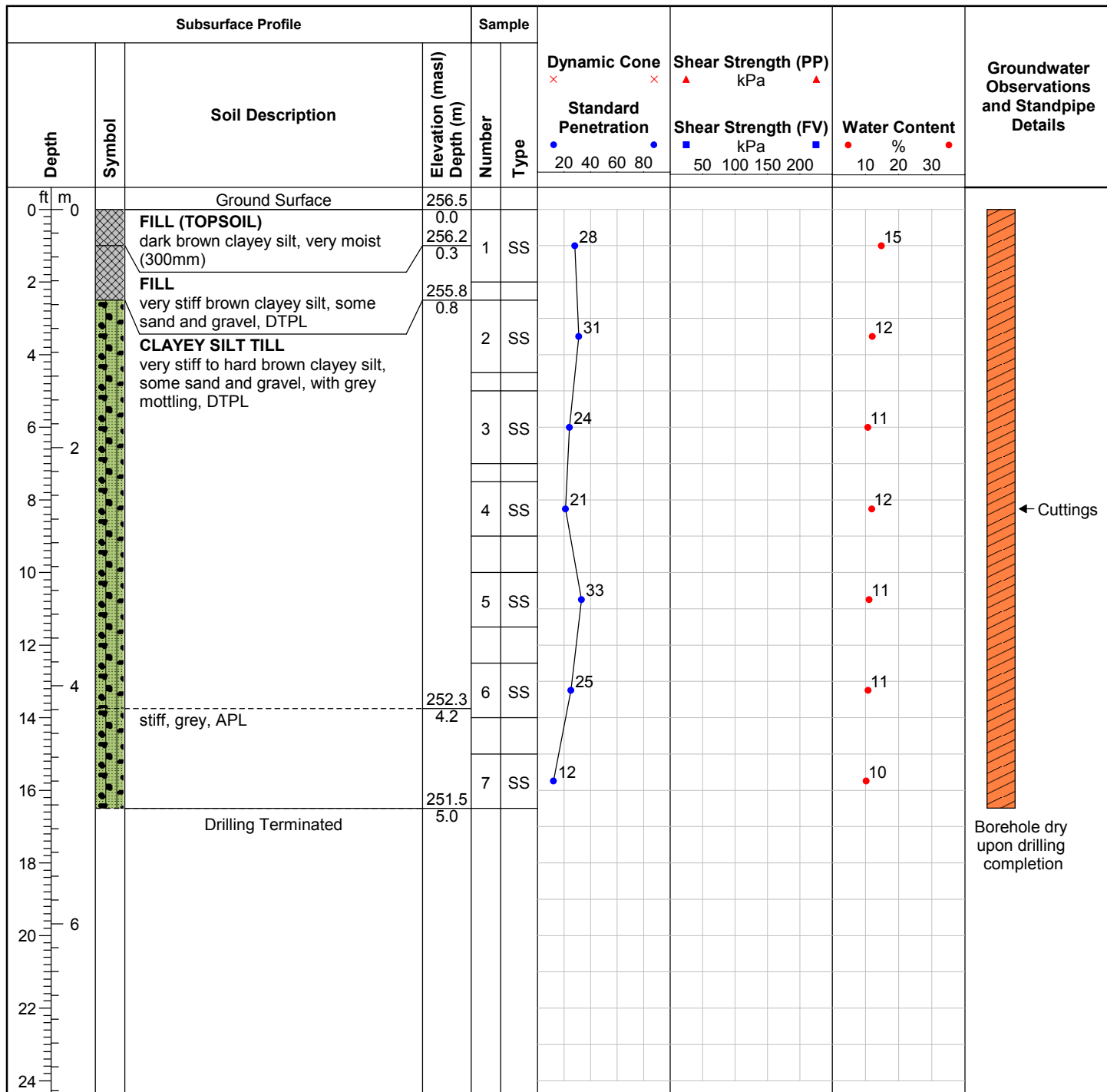
Sheet: 1 of 1

ID Number: BH110-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 10/30/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

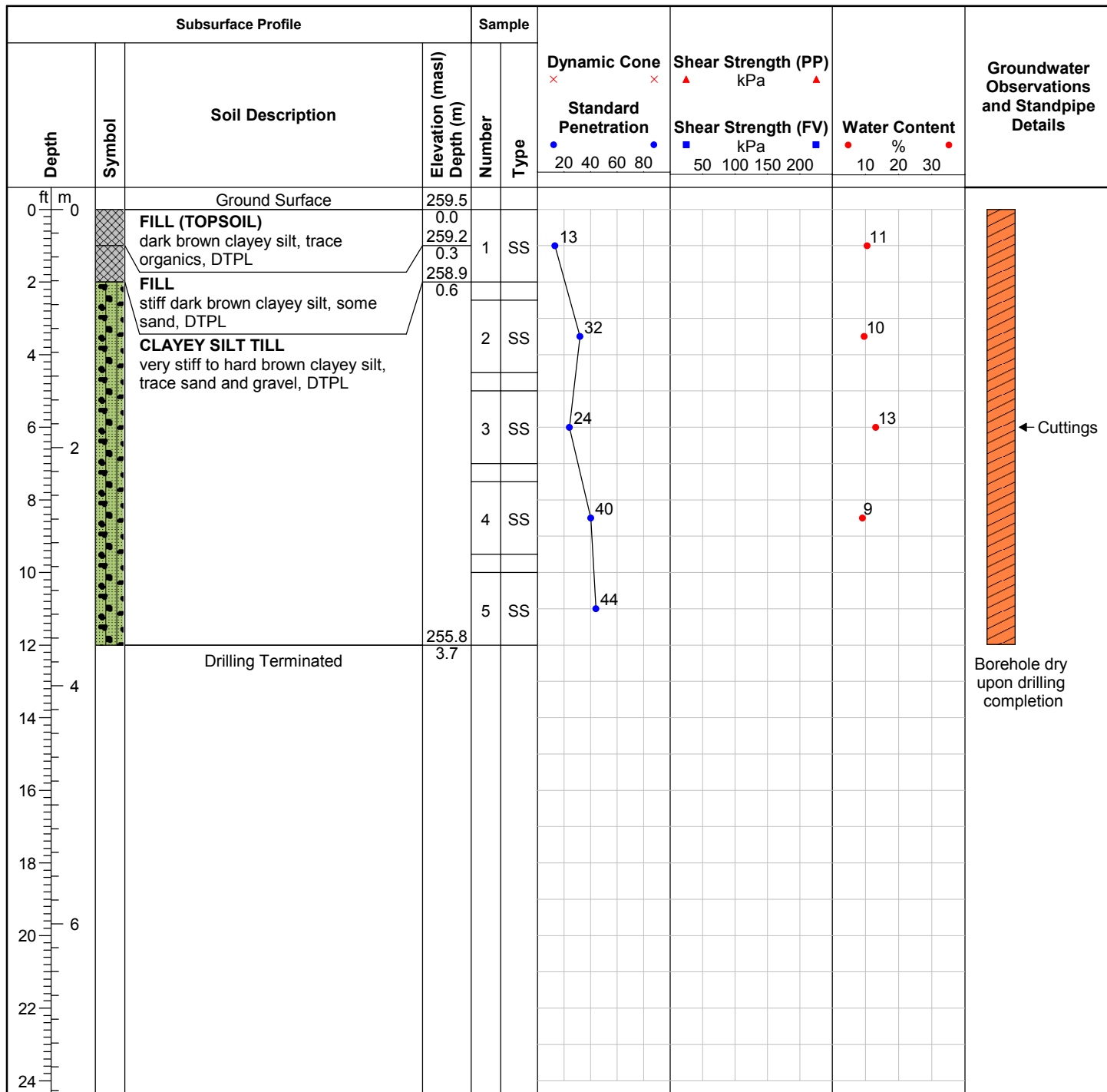
Sheet: 1 of 1

ID Number: BH111-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

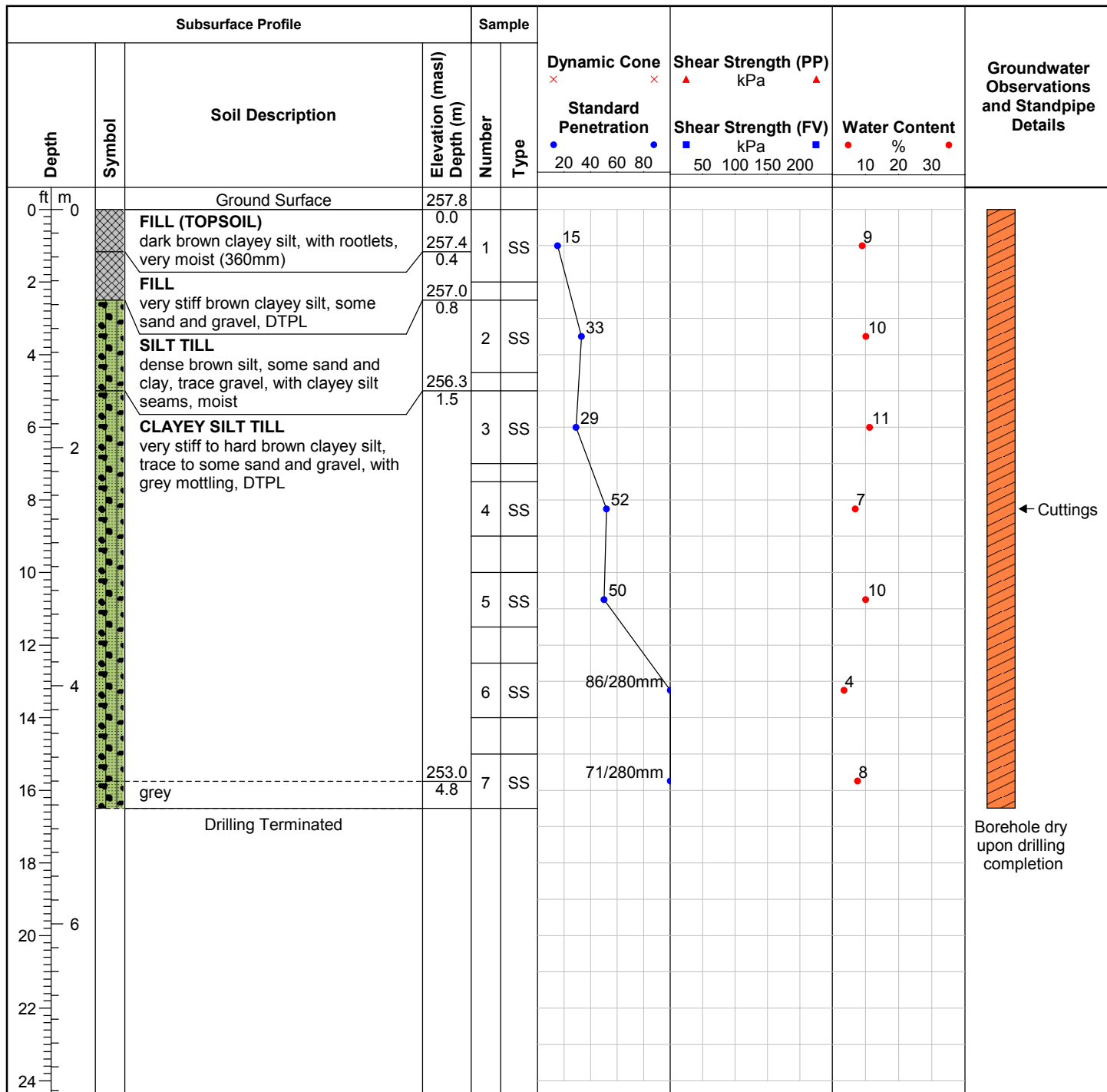
Sheet: 1 of 1

ID Number: BH112-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

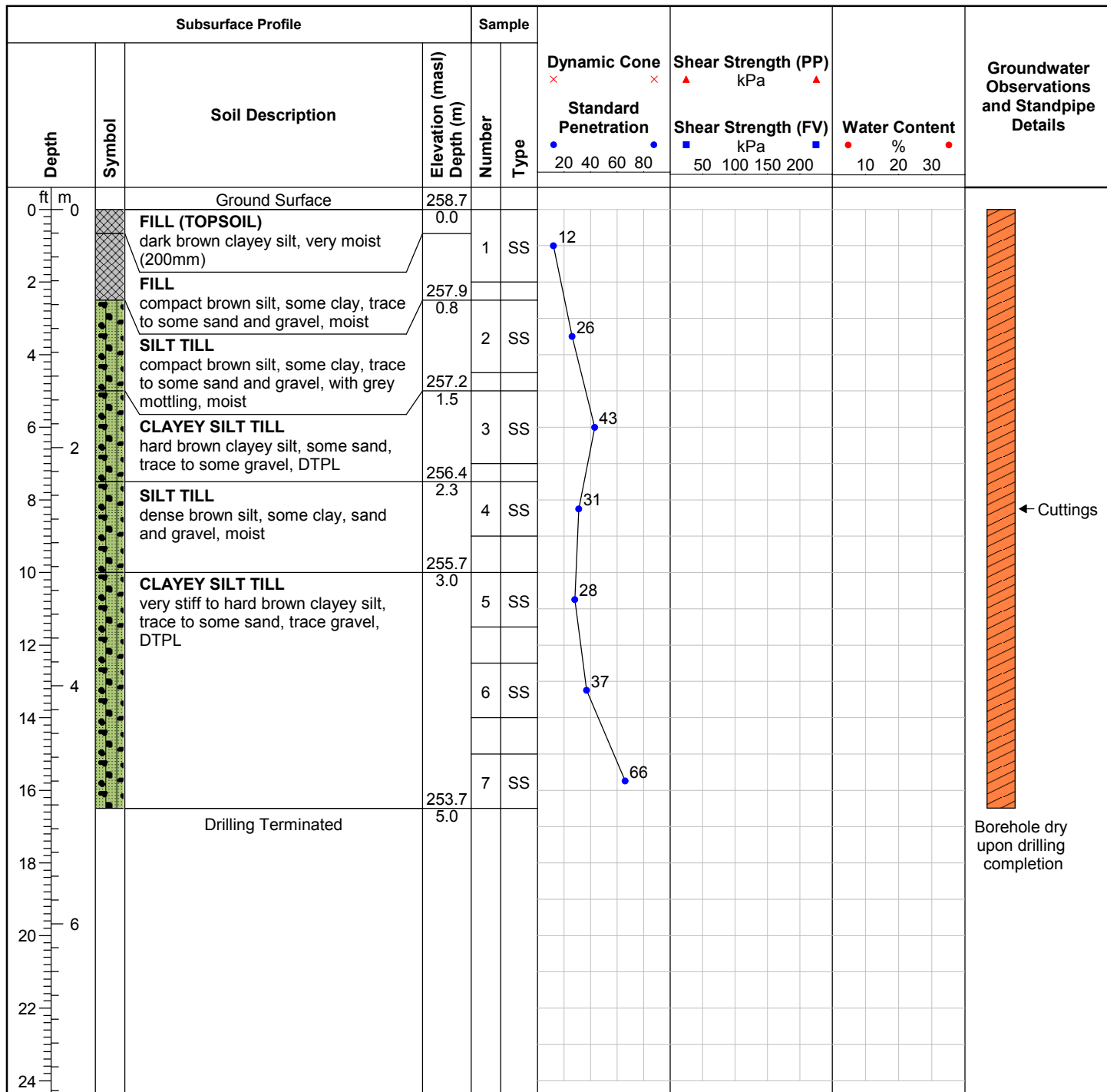
Sheet: 1 of 1

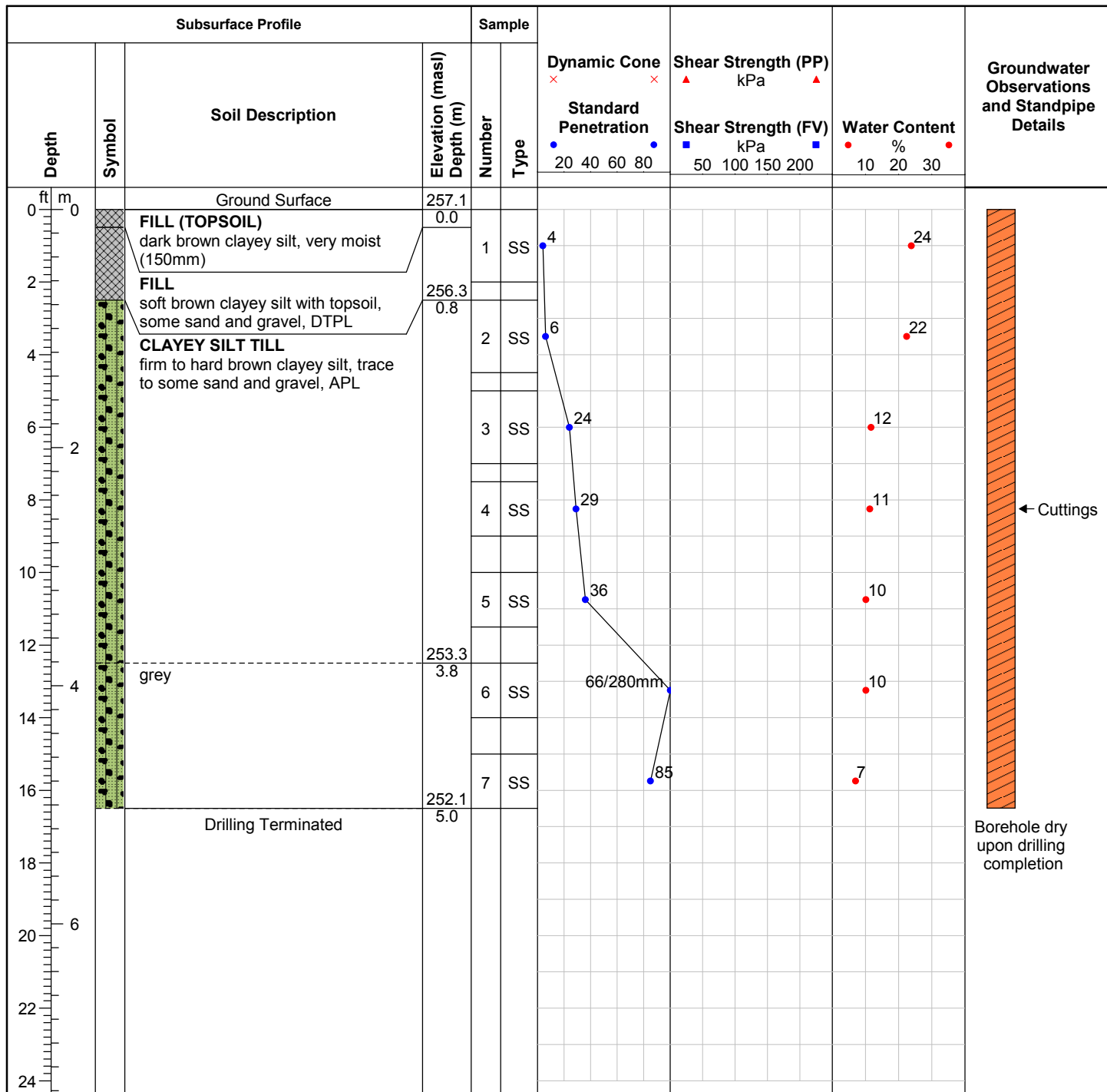
ID Number: BH114-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

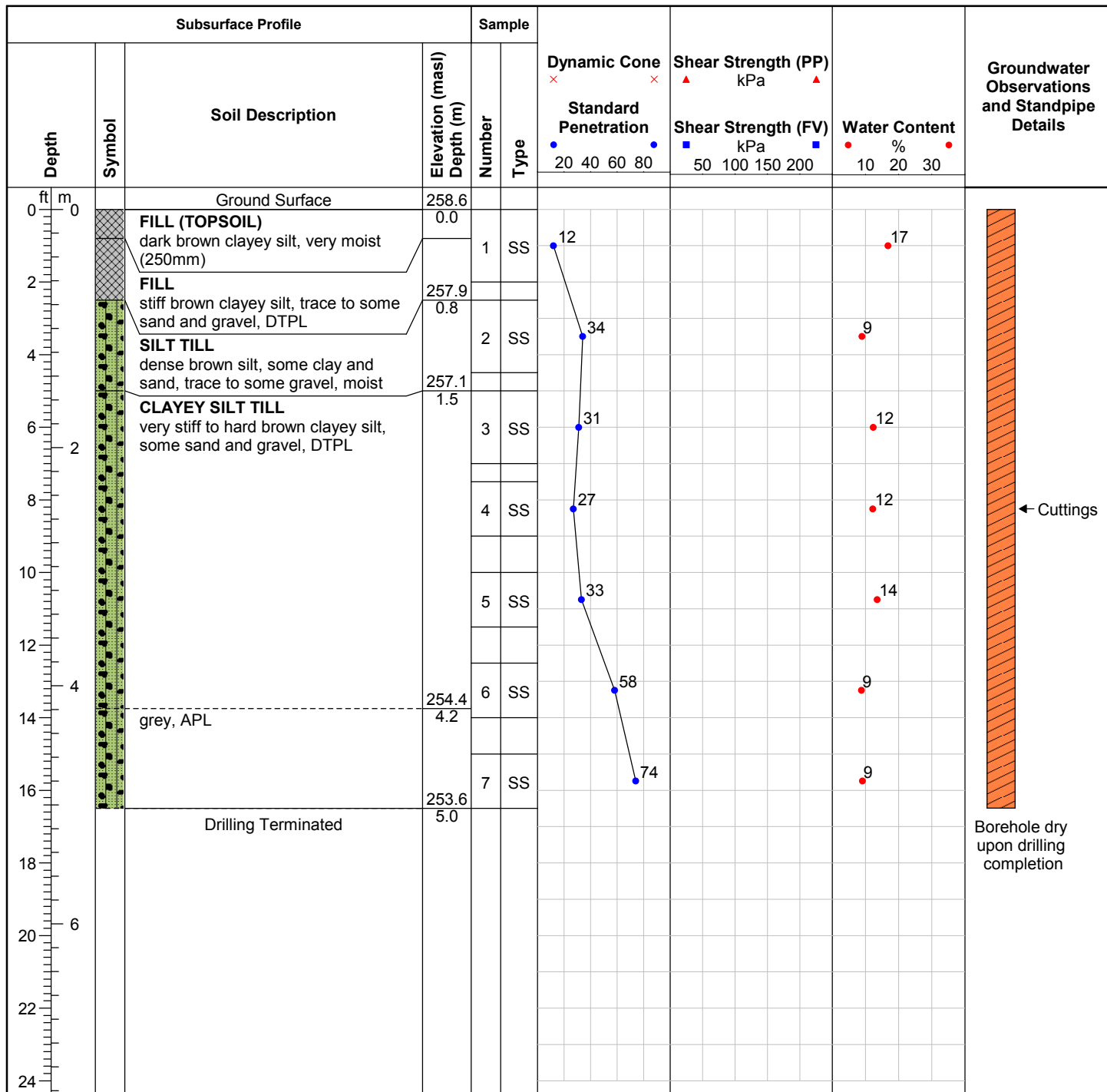
ID Number: BH115-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

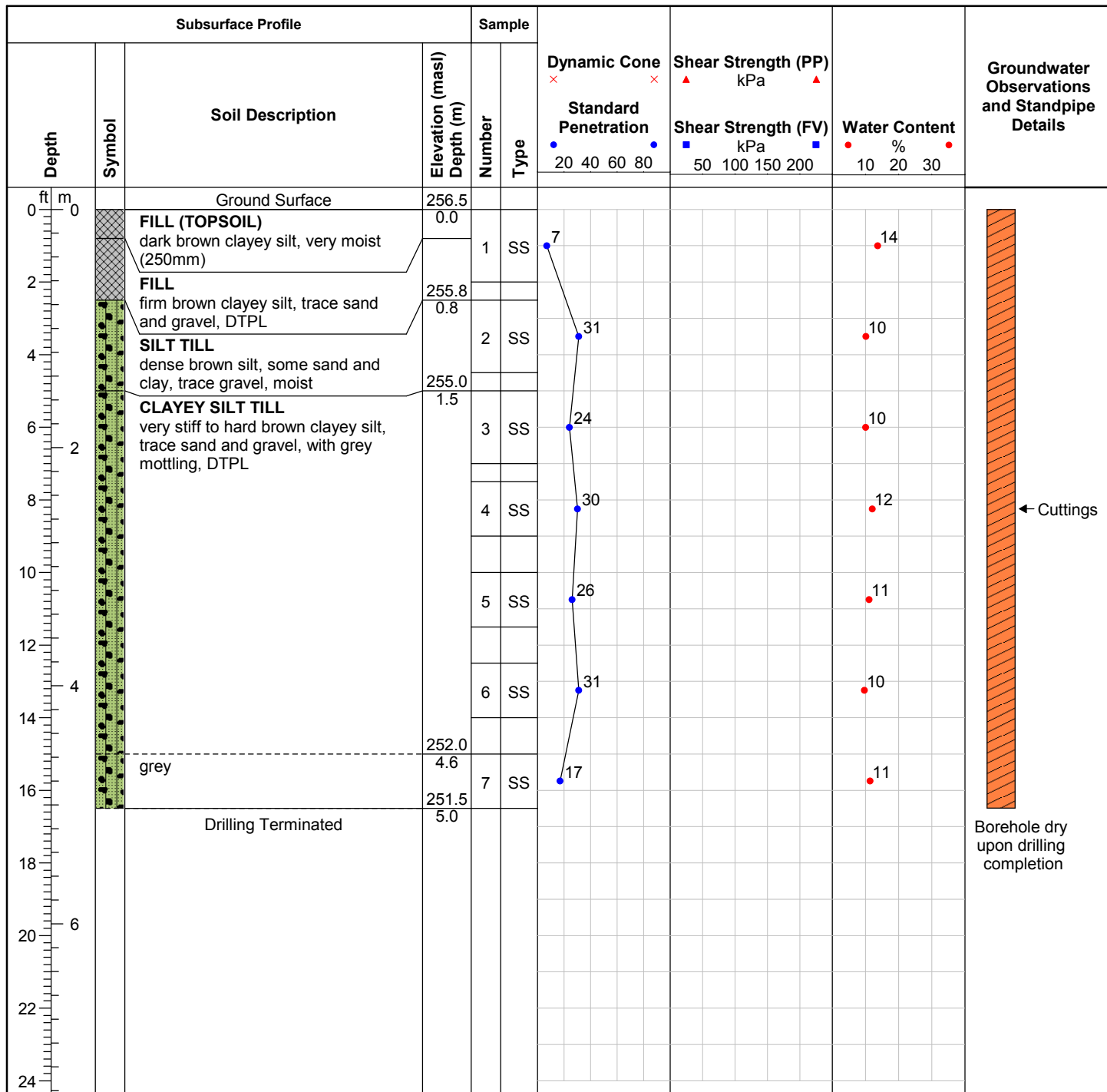
ID Number: BH116-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

ID Number: BH117-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

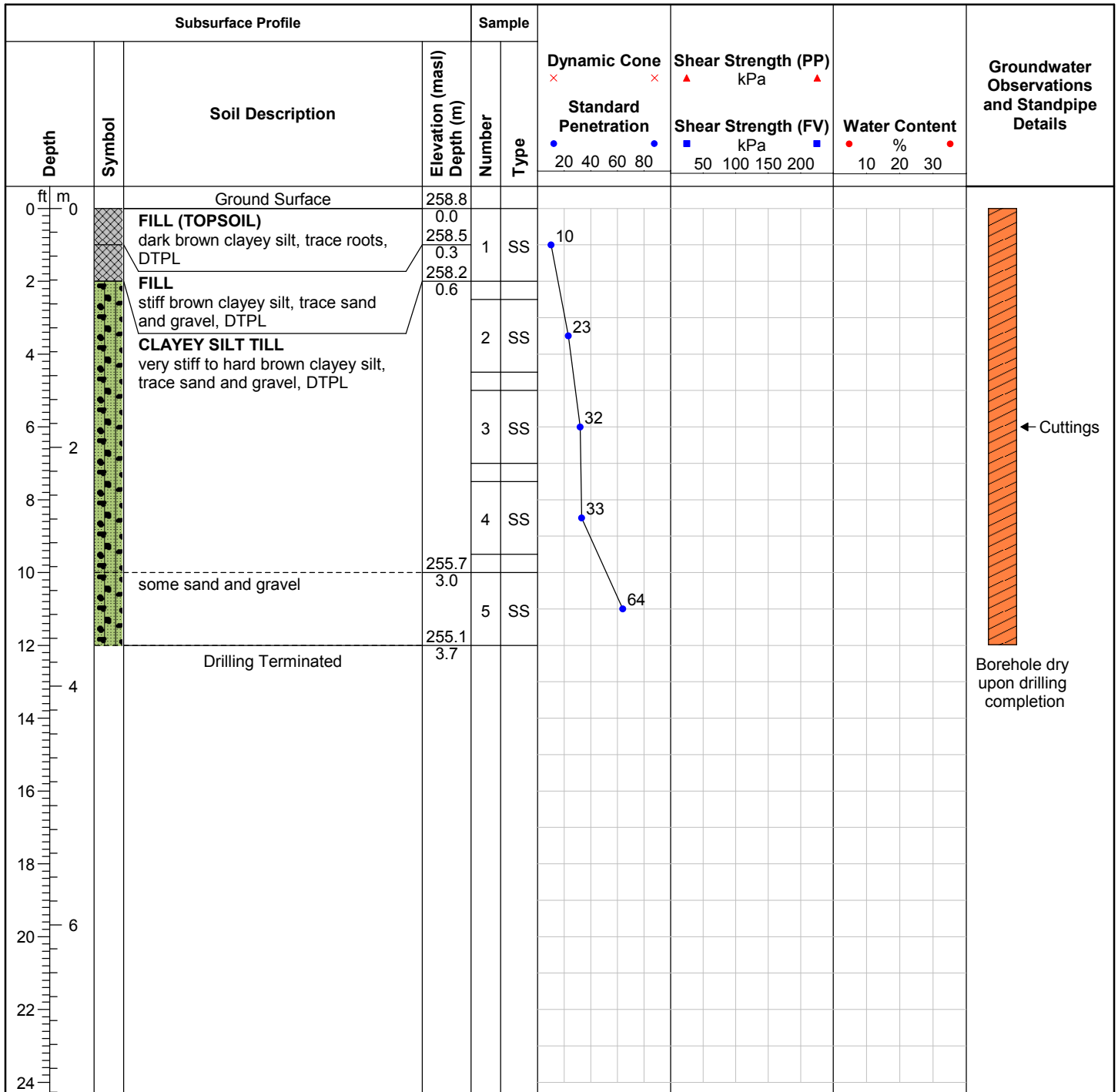
Sheet: 1 of 1

ID Number: BH118-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

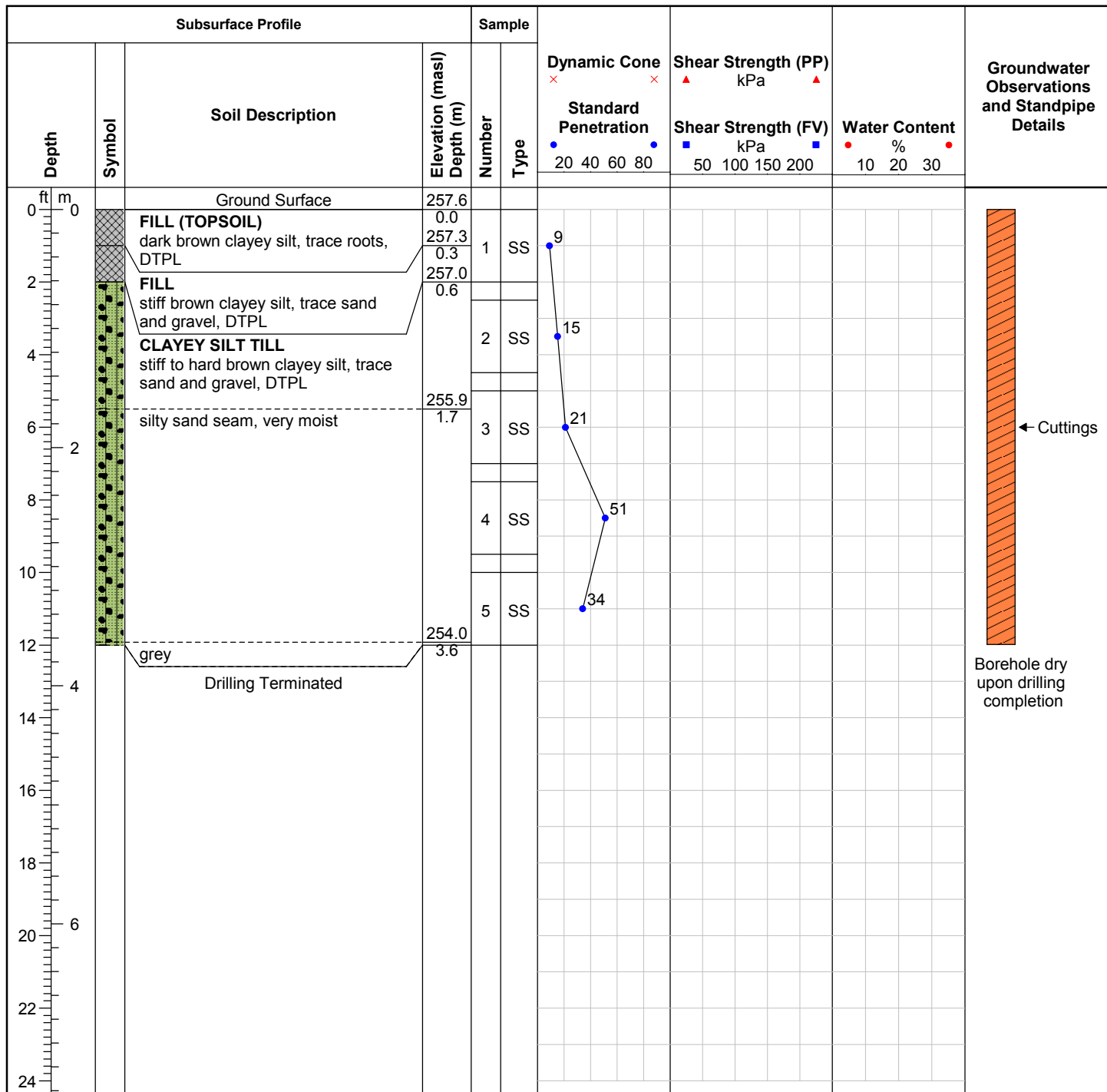
Sheet: 1 of 1

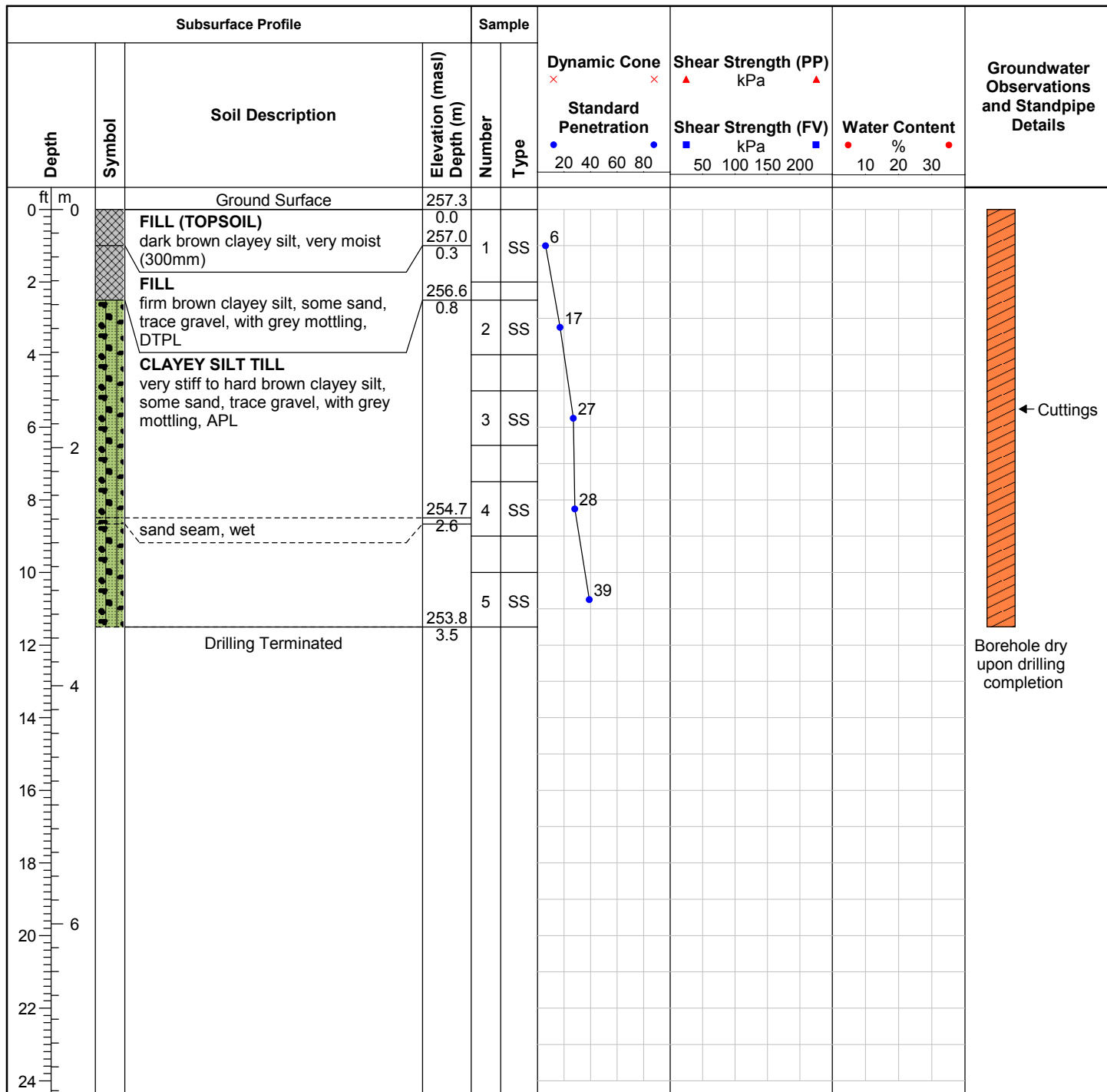
ID Number: BH119-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

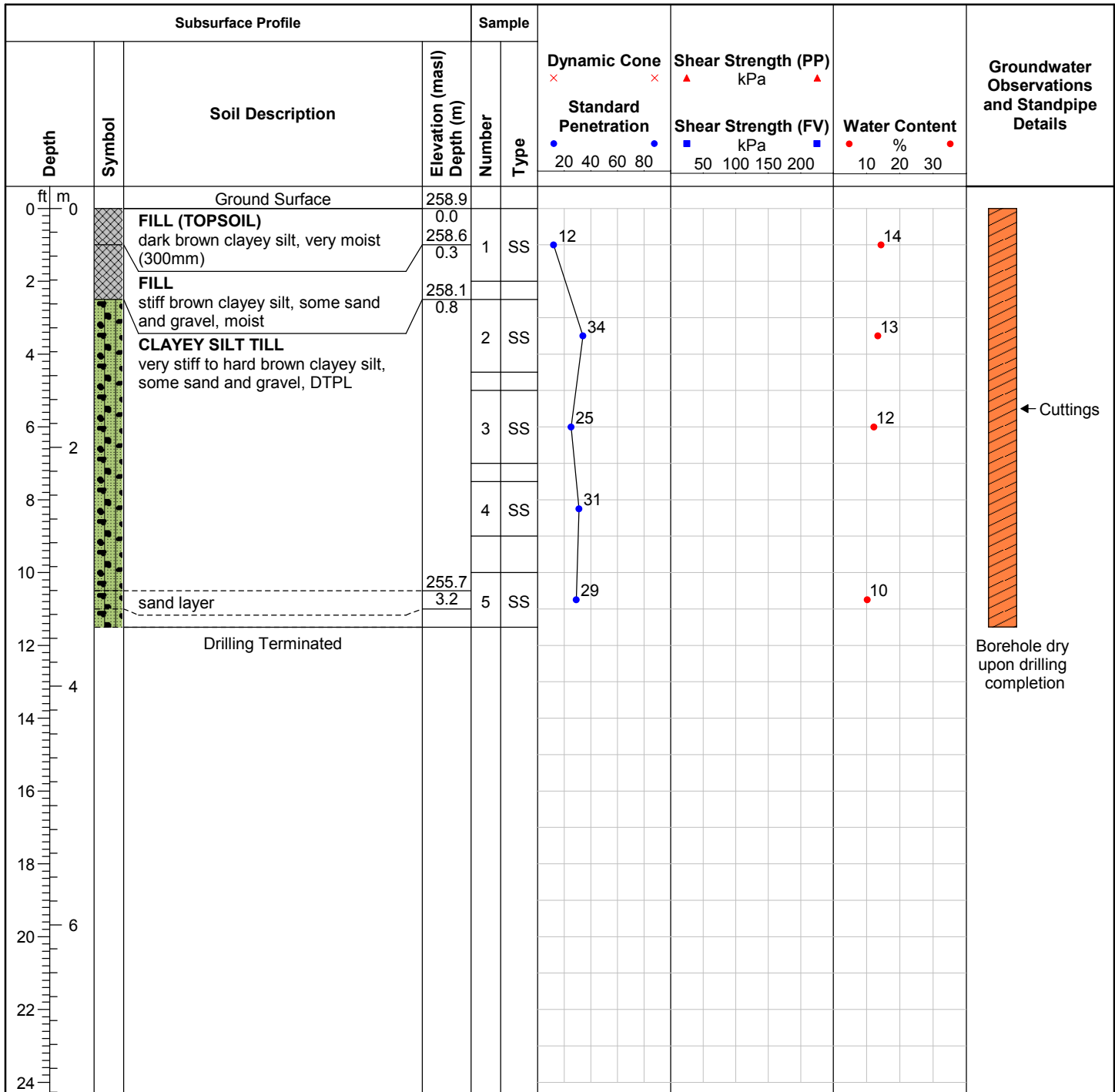
ID Number: BH121-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

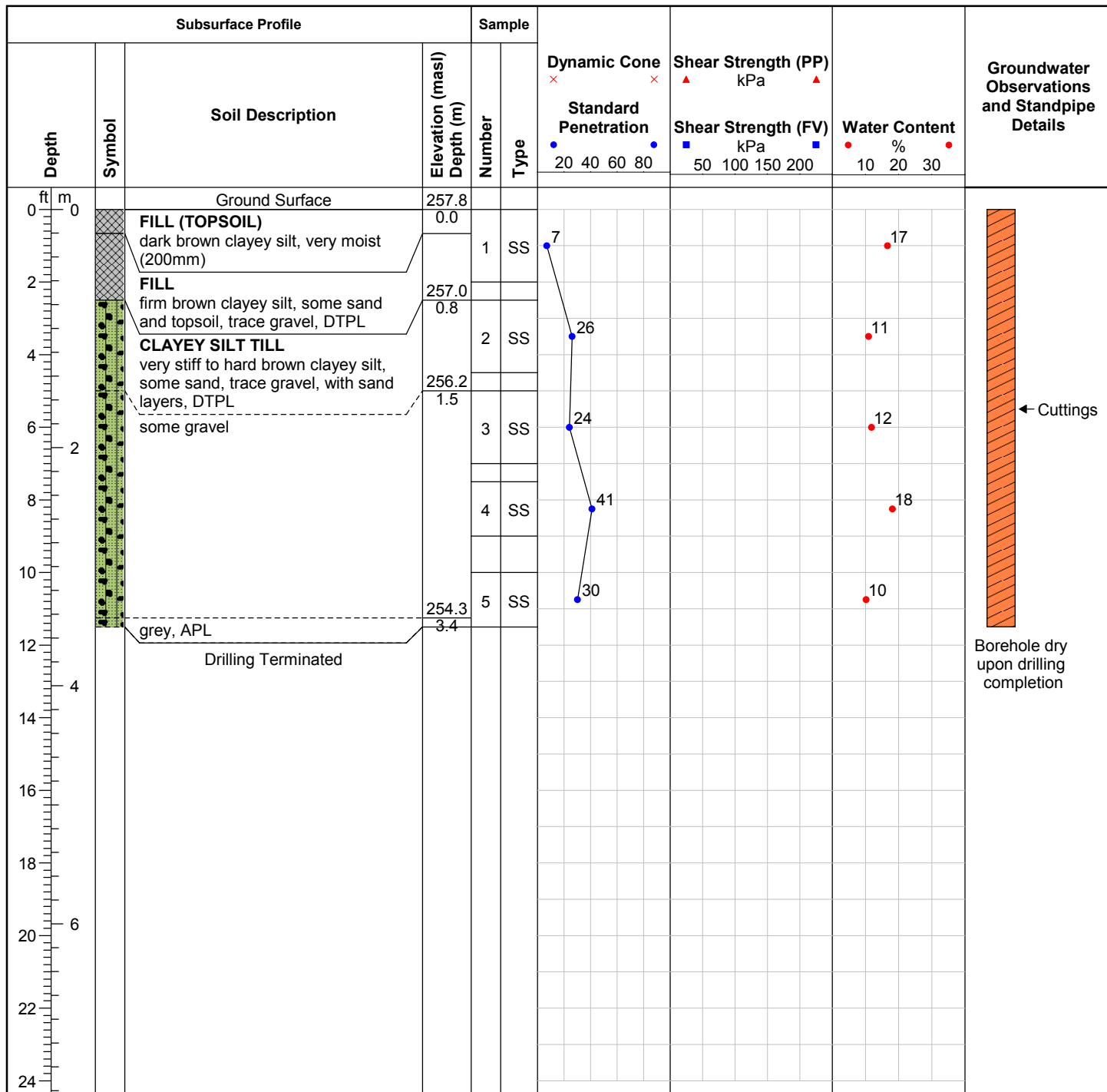
ID Number: BH122-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner**Sheet:** 1 of 1

ID Number: BH123-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

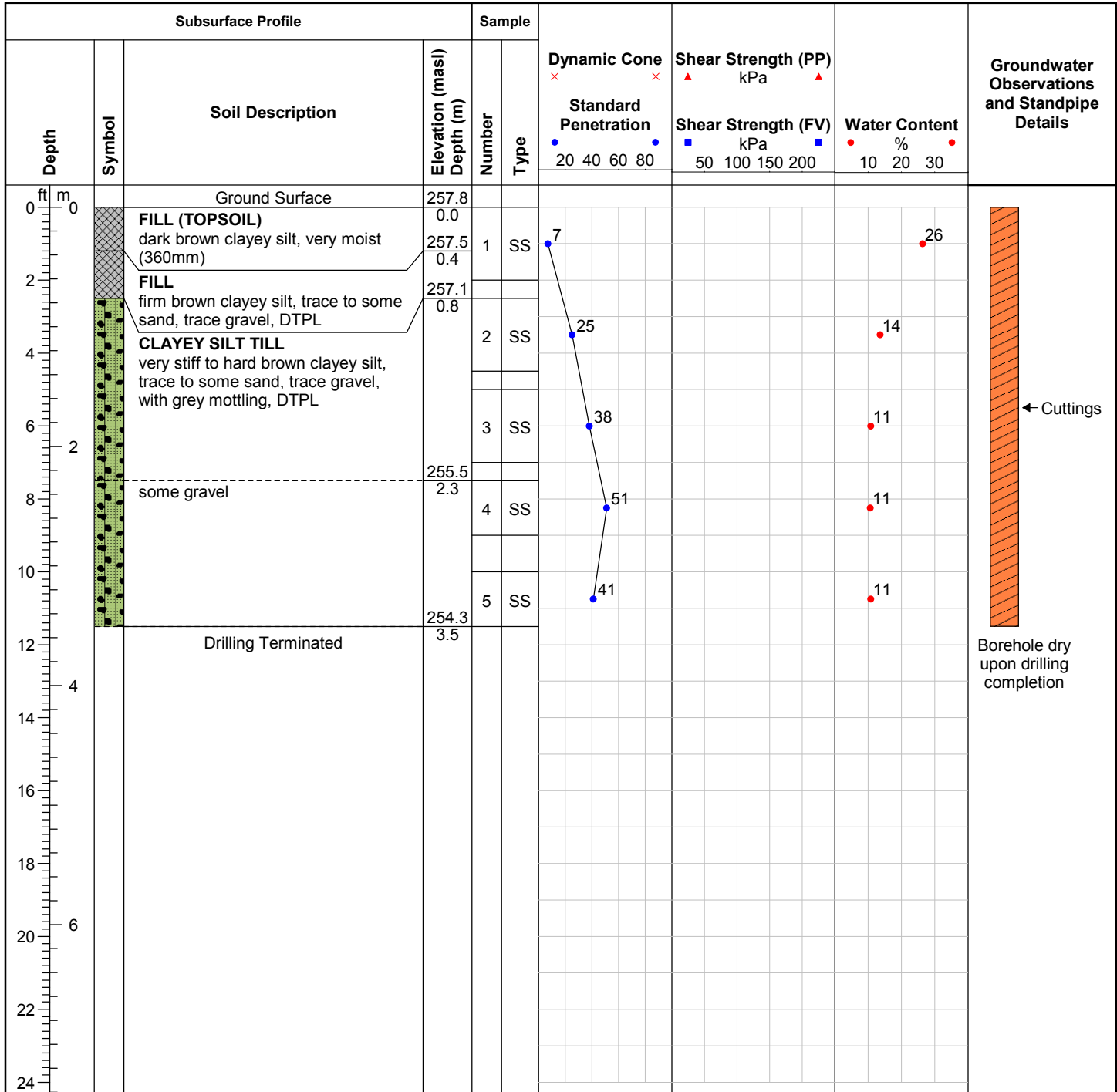
Sheet: 1 of 1

ID Number: BH124-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

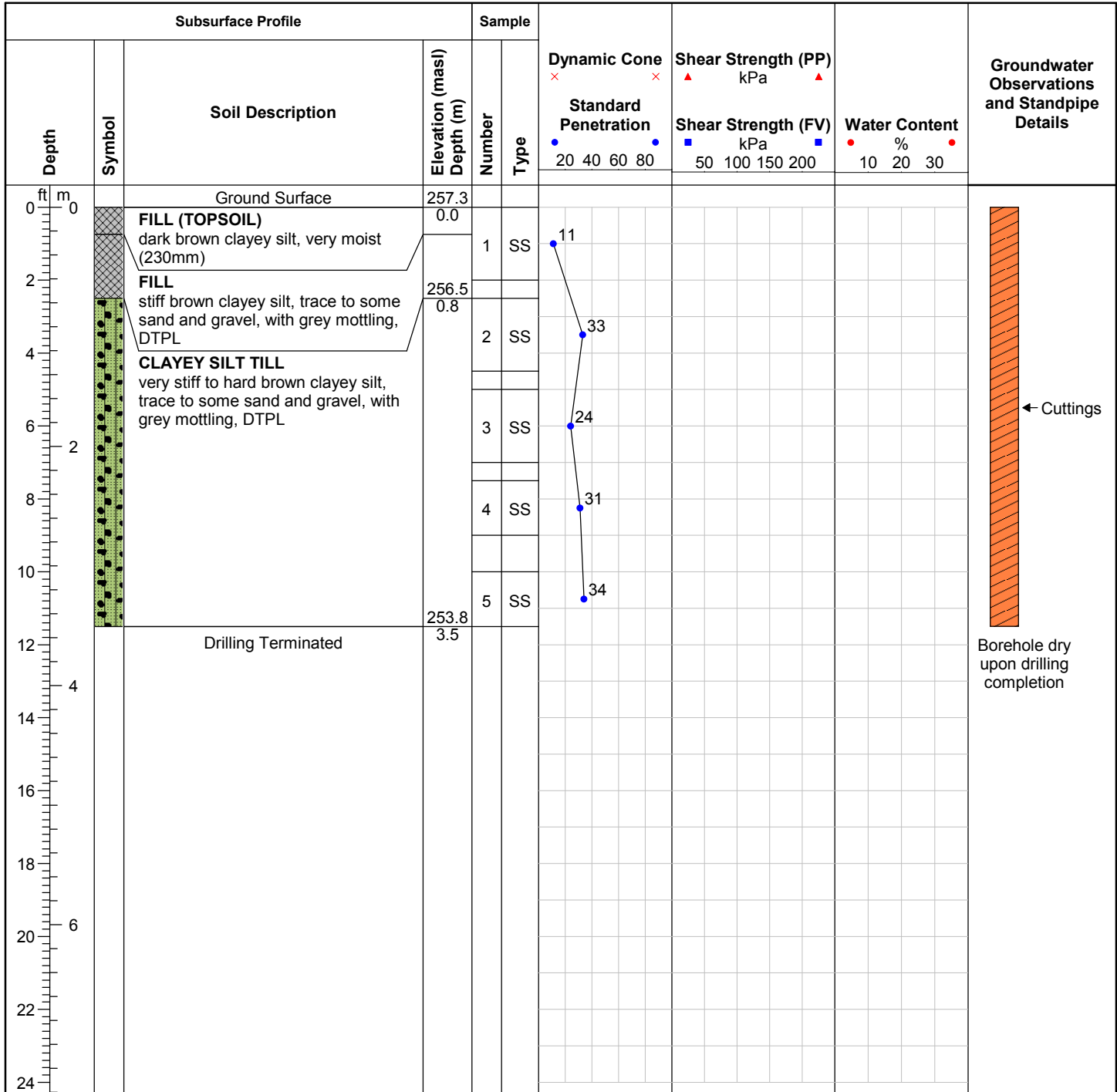
Sheet: 1 of 1

ID Number: BH125-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

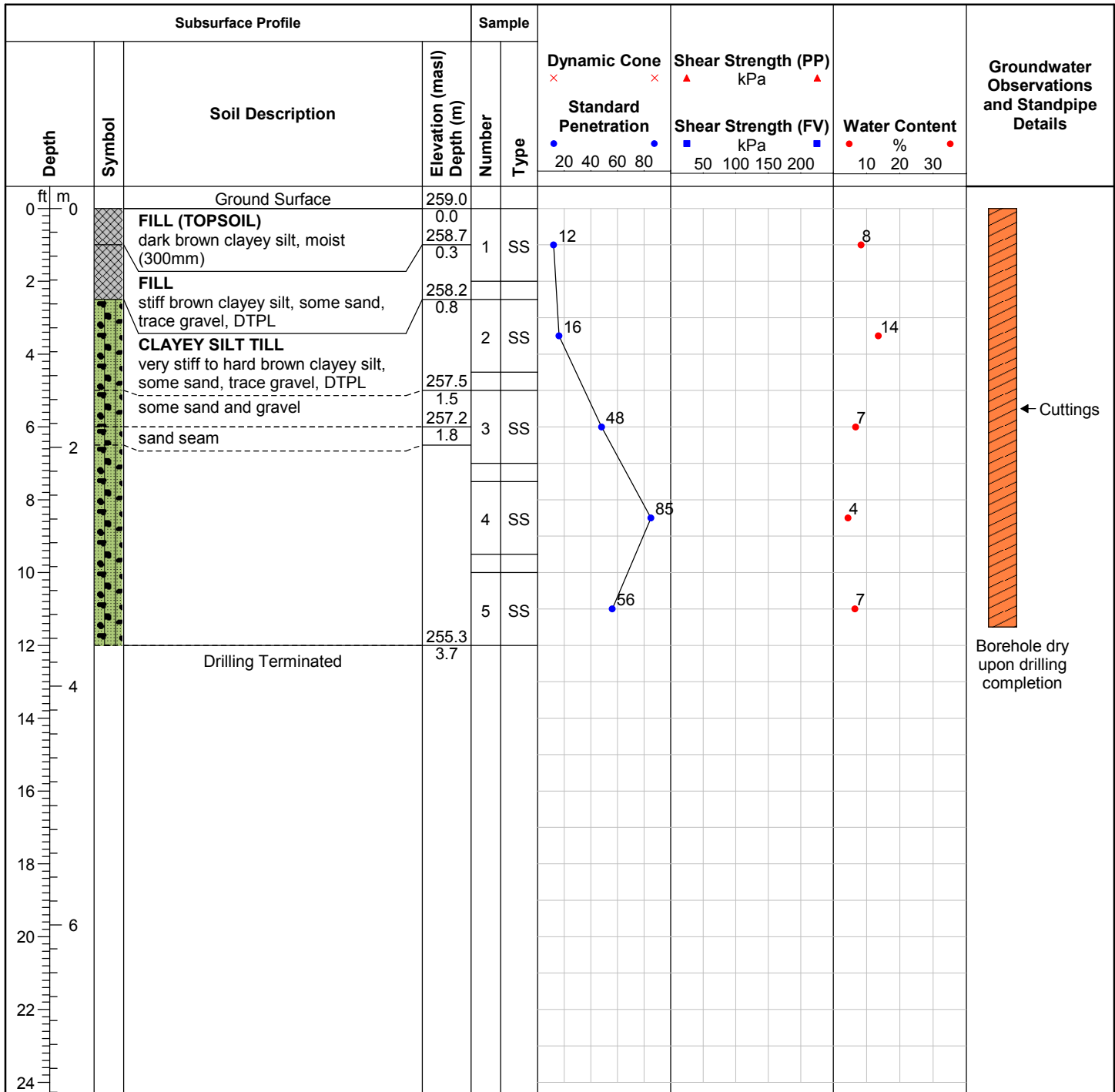
Sheet: 1 of 1

ID Number: BH126-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/2/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

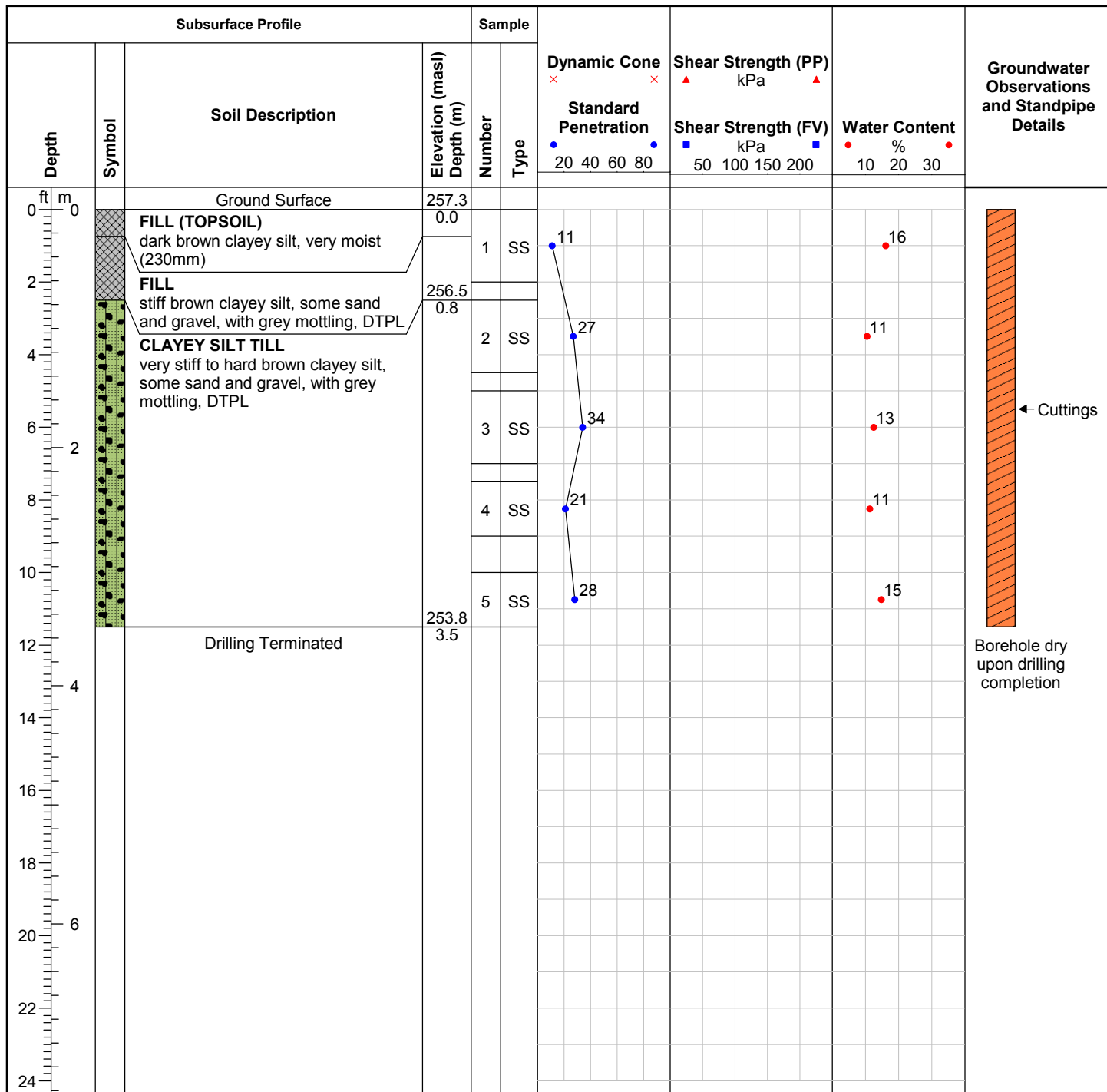
Sheet: 1 of 1

ID Number: BH127-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

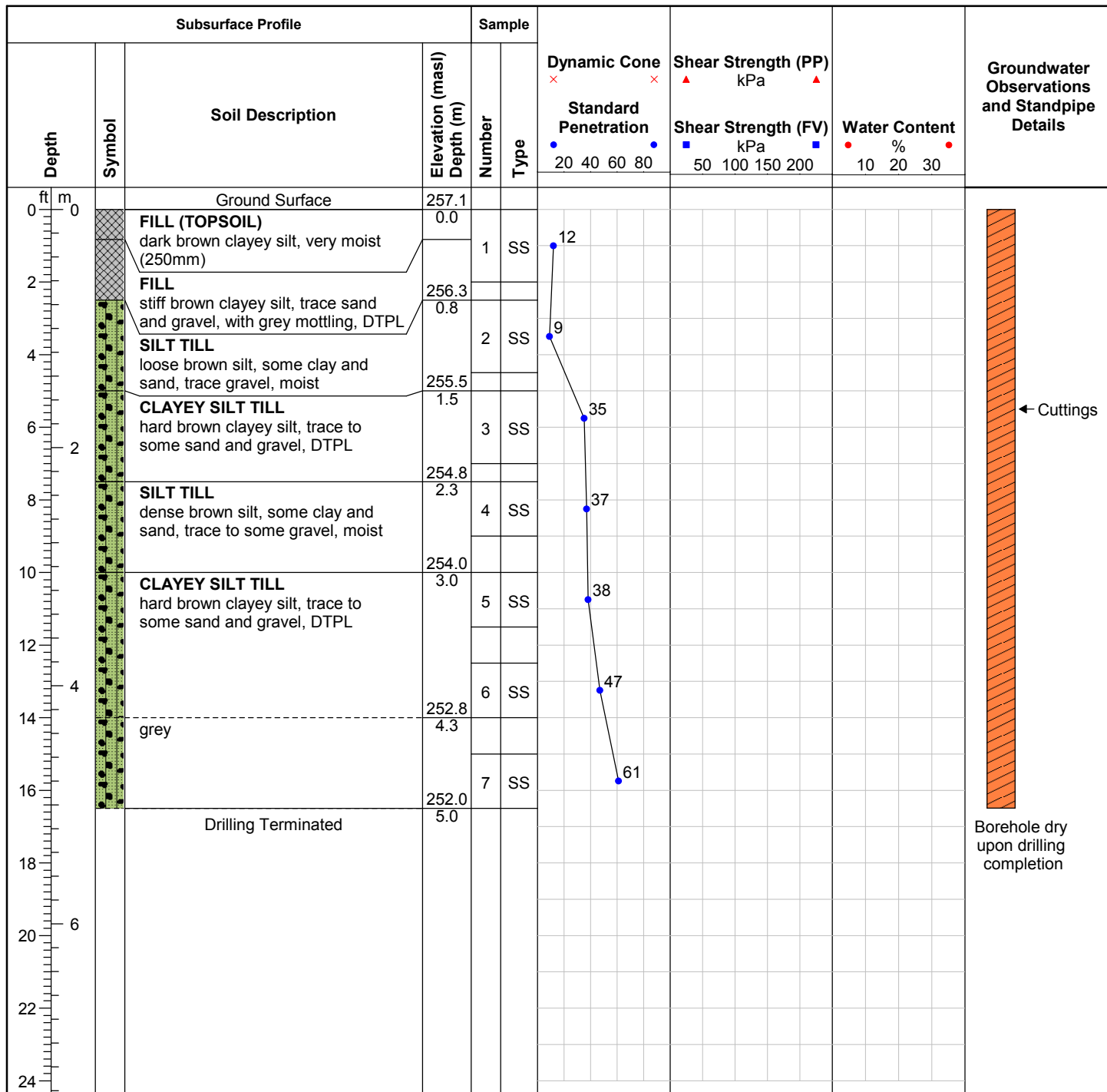
Sheet: 1 of 1

ID Number: BH128-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

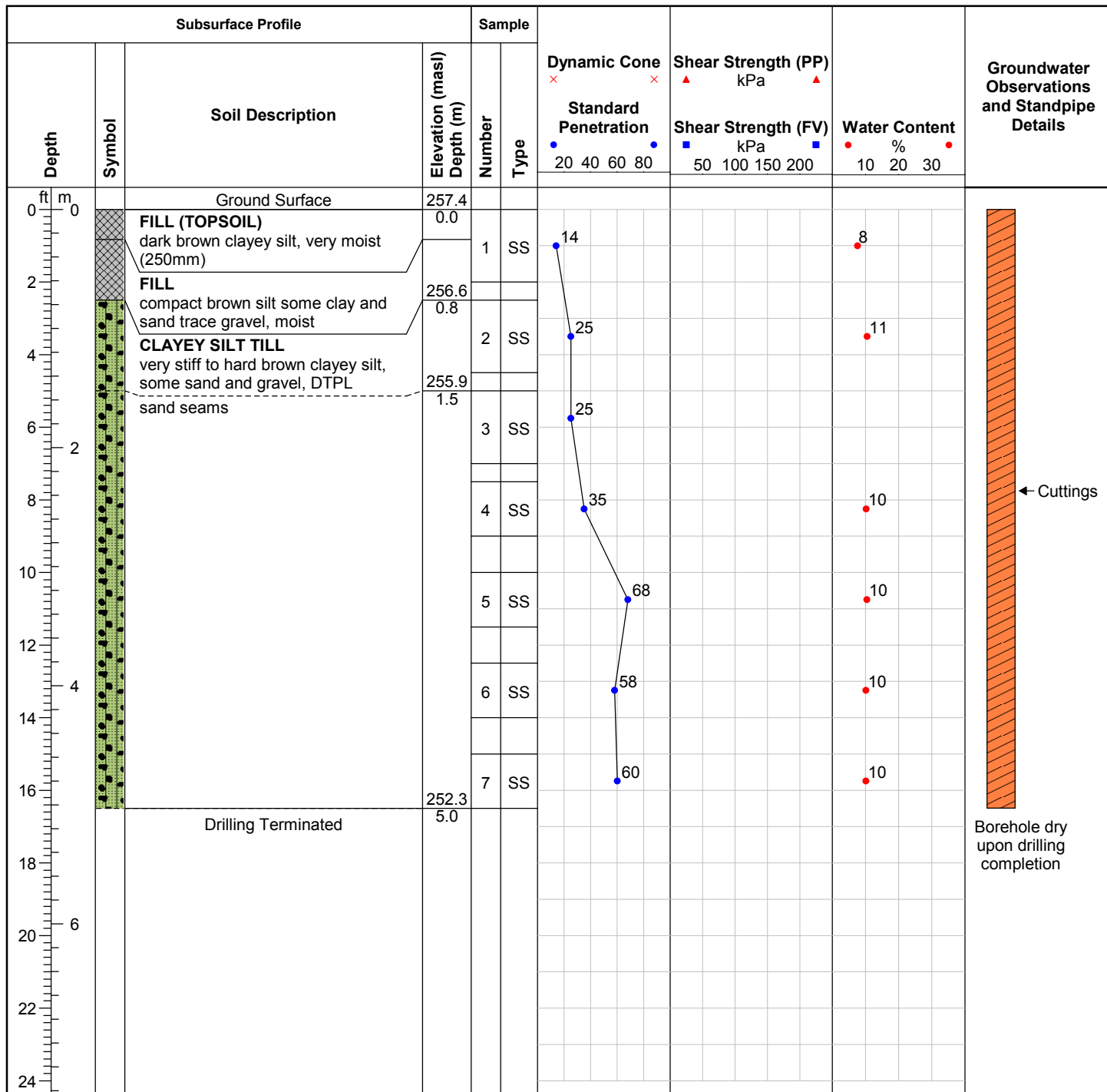
Sheet: 1 of 1

ID Number: BH129-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

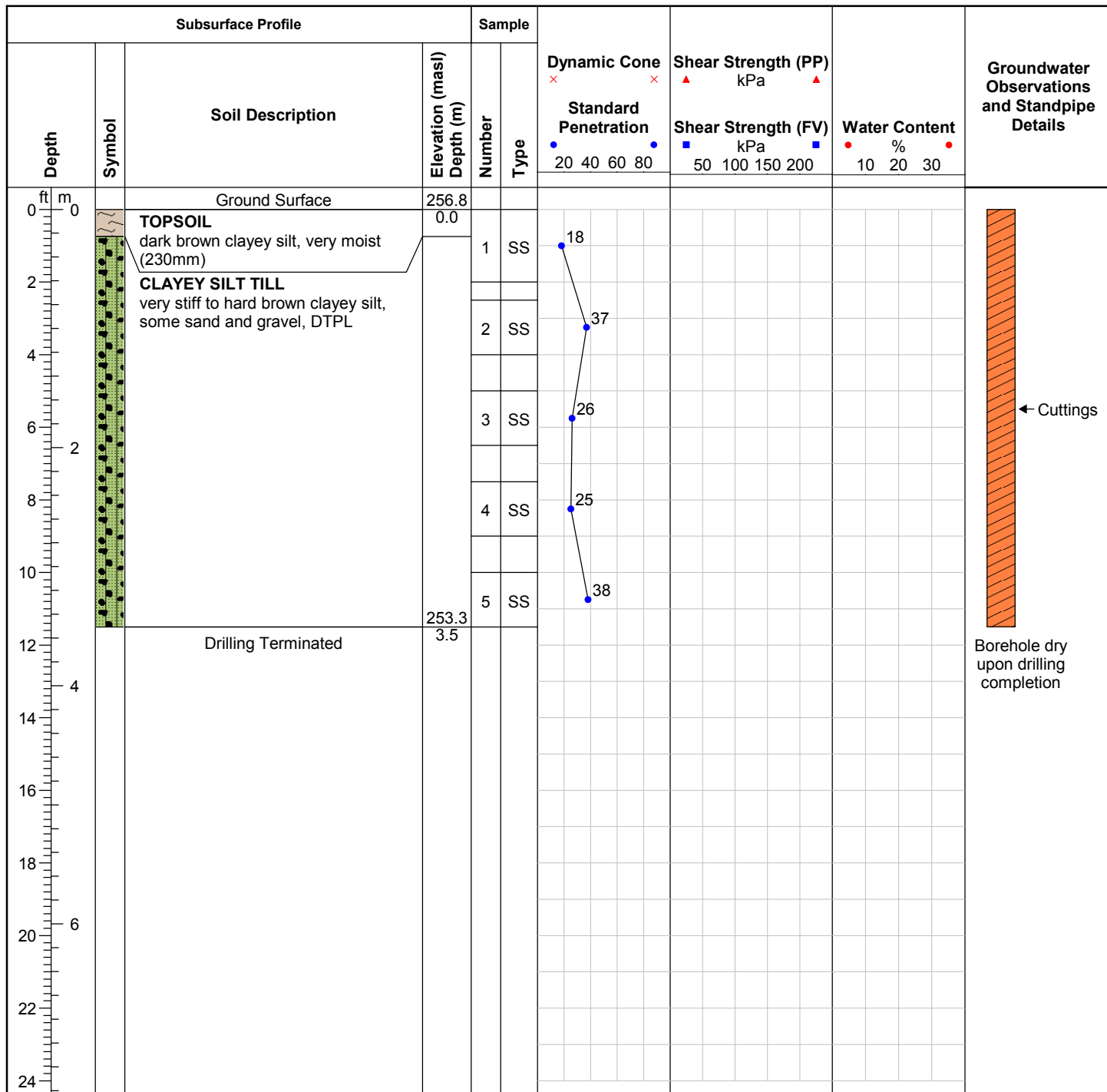
Sheet: 1 of 1

ID Number: BH130-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

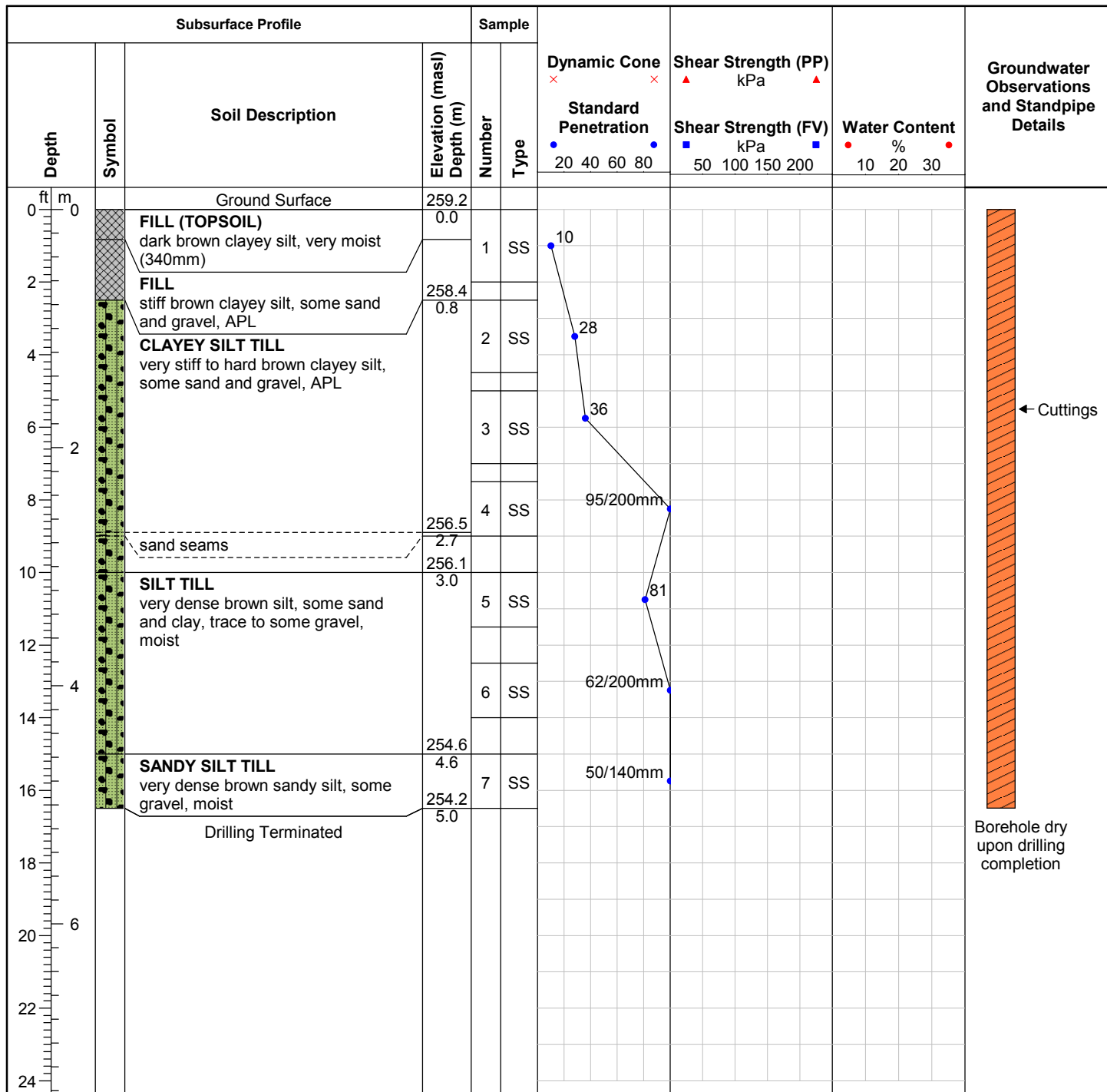
Sheet: 1 of 1

ID Number: BH131-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

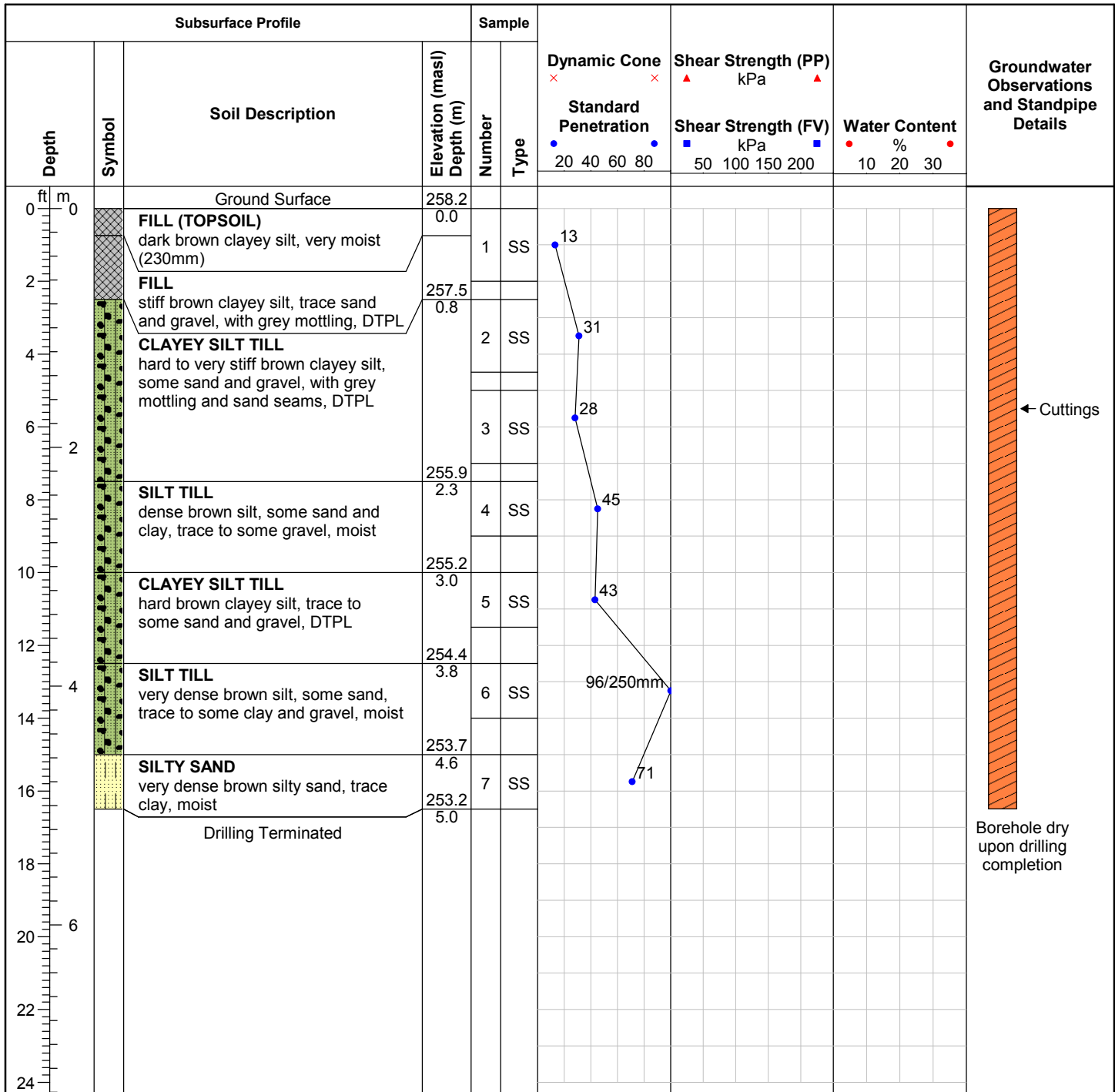
Sheet: 1 of 1

ID Number: BH132-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

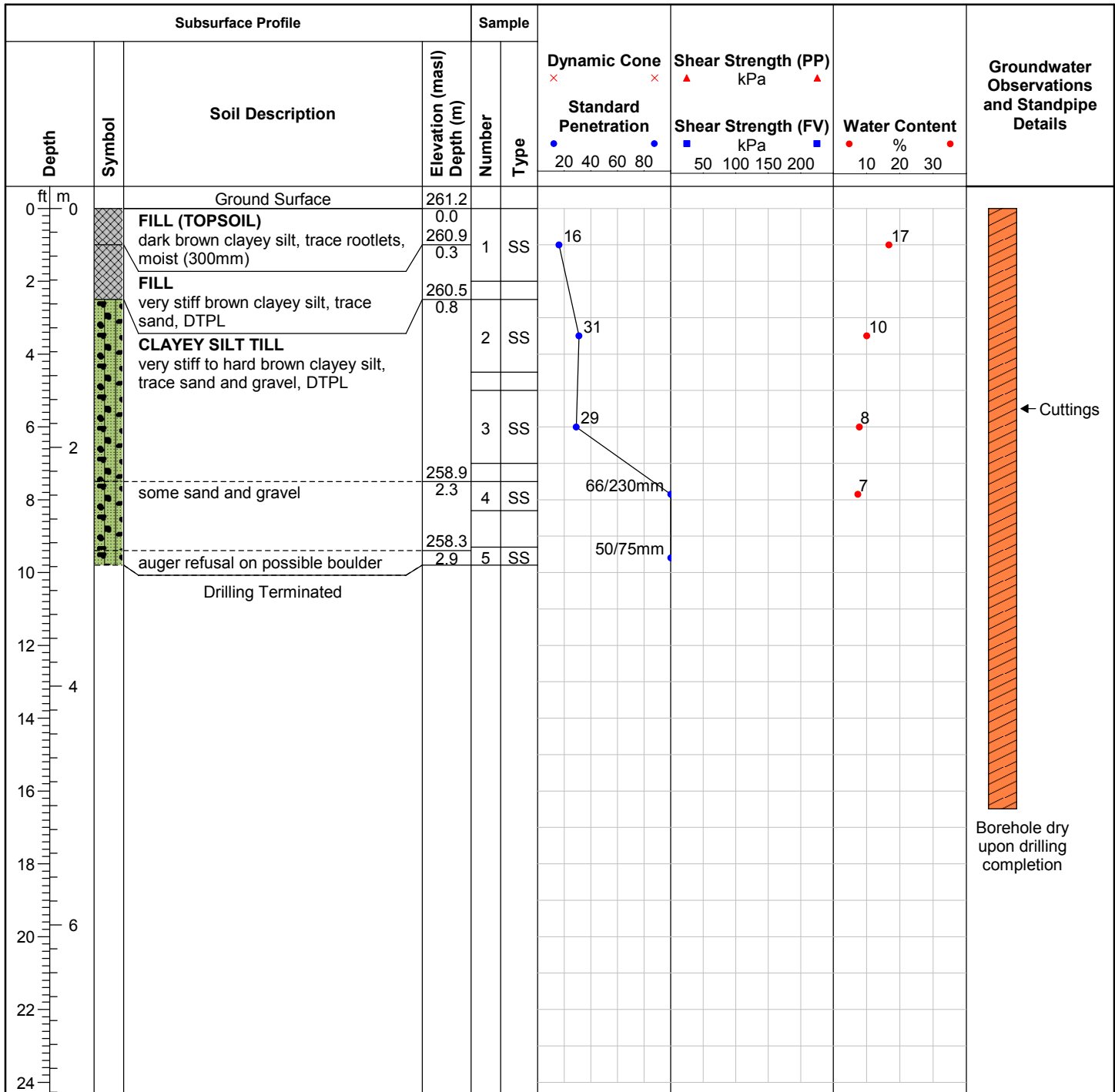
Sheet: 1 of 1

ID Number: BH133-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/9/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

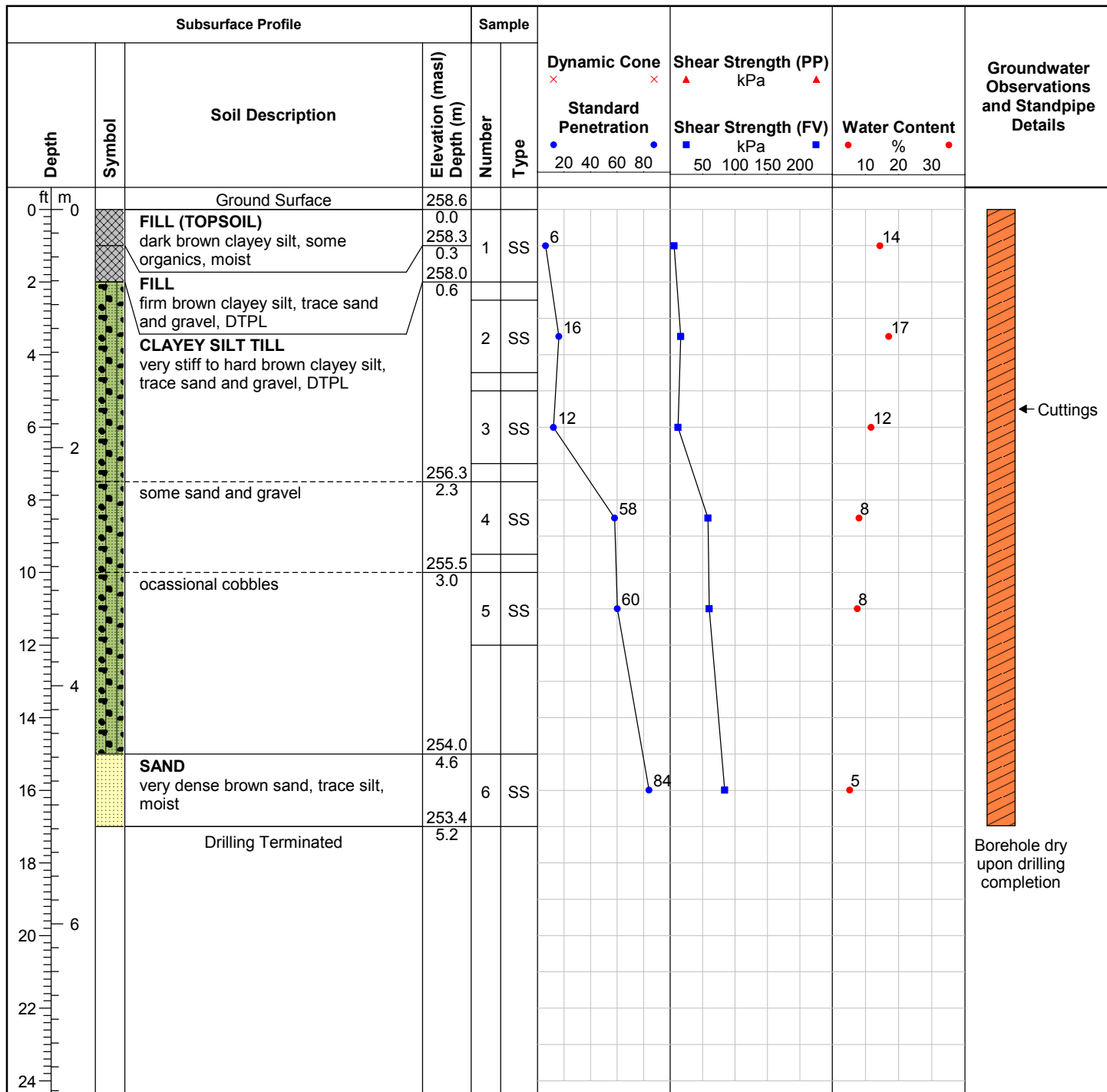
Sheet: 1 of 1

ID Number: BH134-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

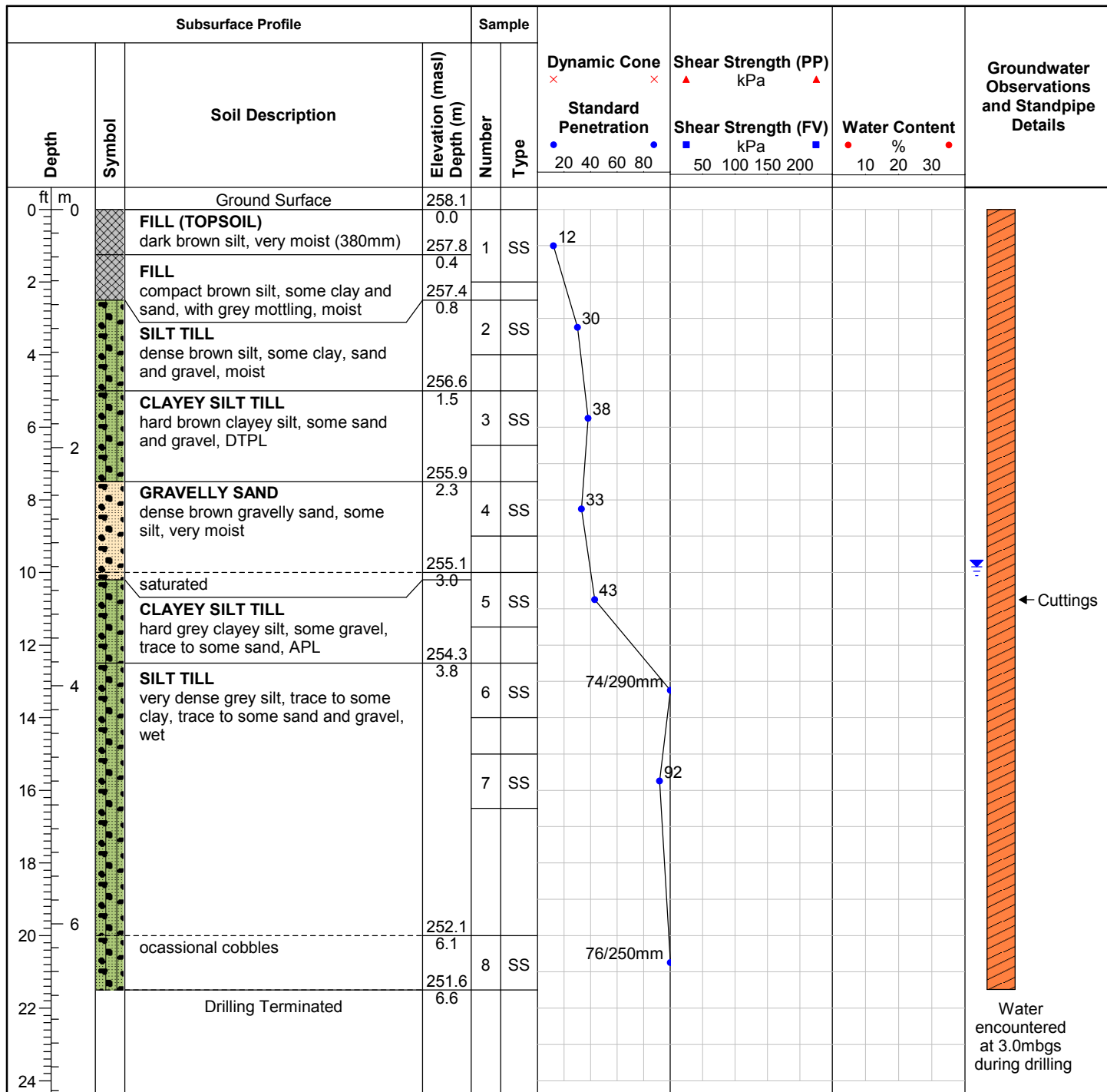
Sheet: 1 of 1

ID Number: BH135-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

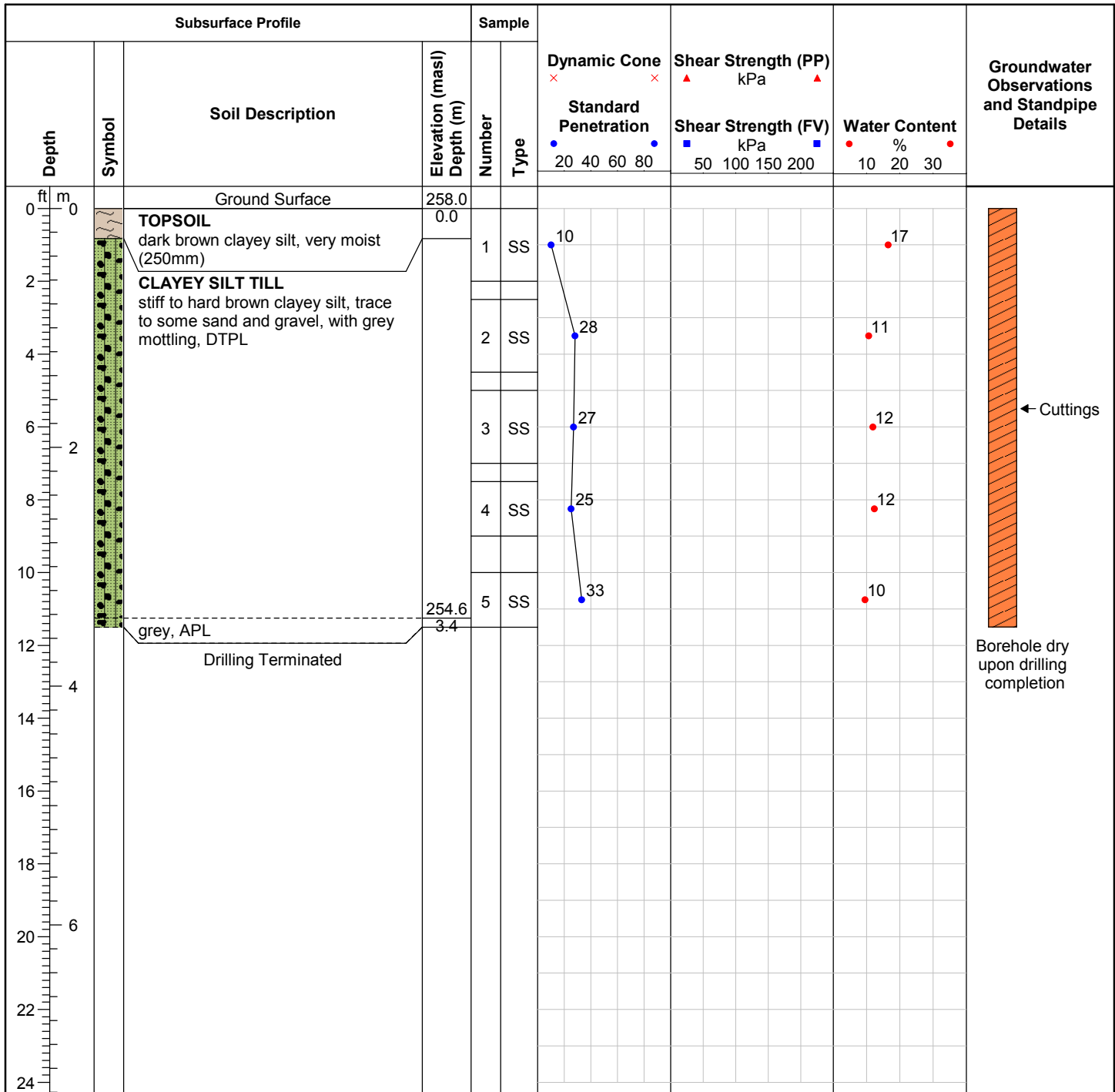
Sheet: 1 of 1

ID Number: BH136-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

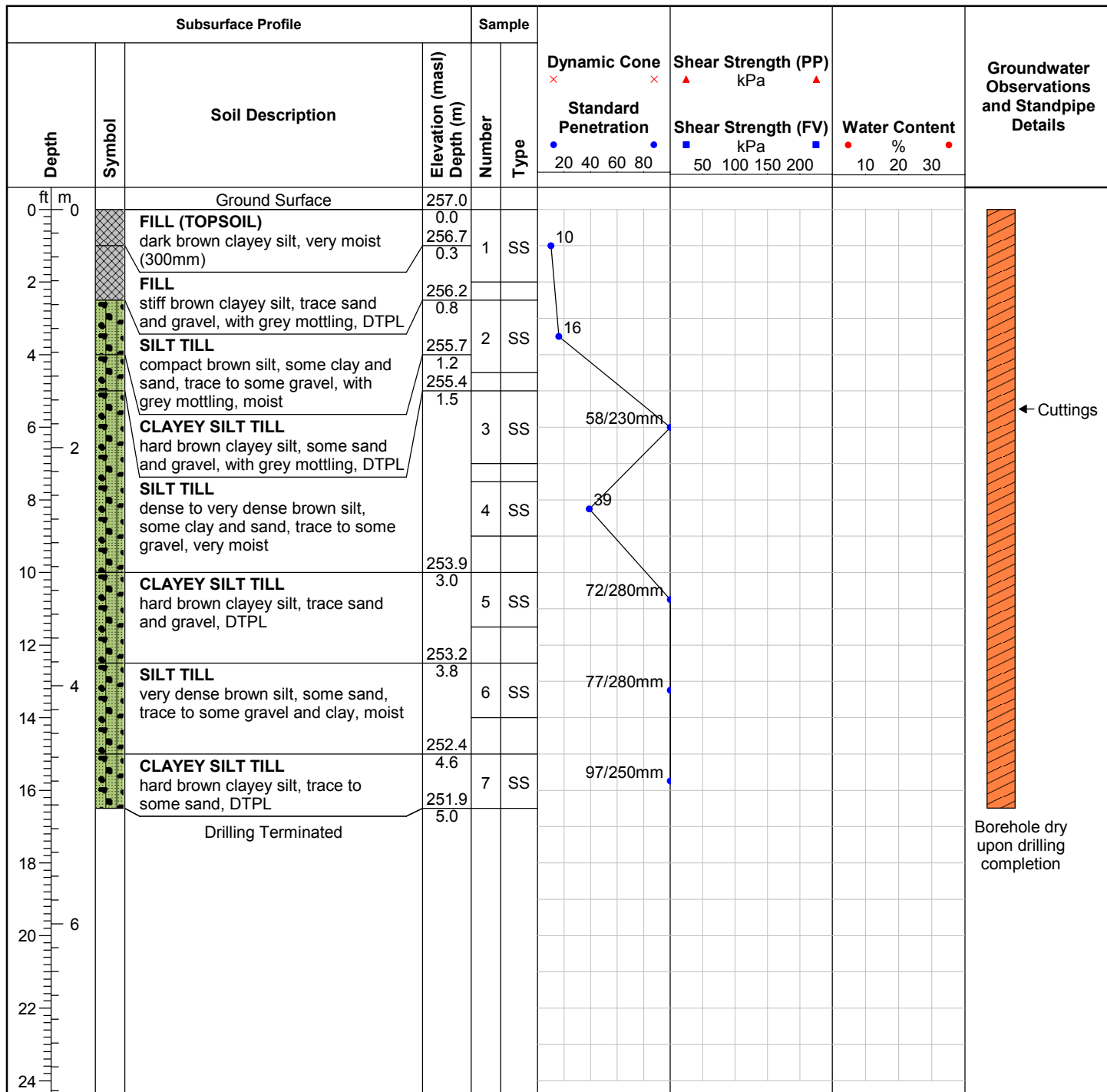
Sheet: 1 of 1

ID Number: BH137-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/13/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

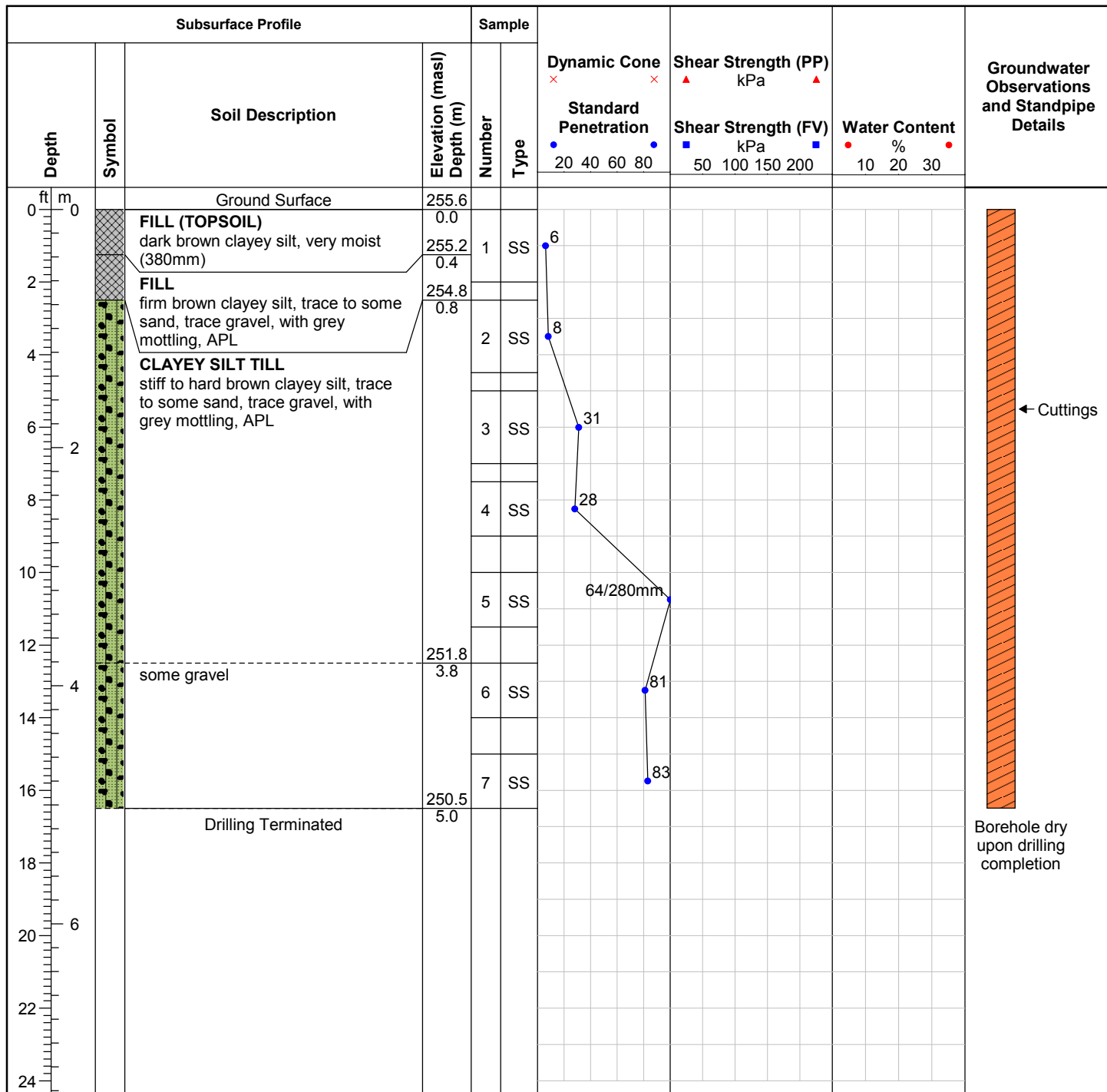
Sheet: 1 of 1

ID Number: BH138-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

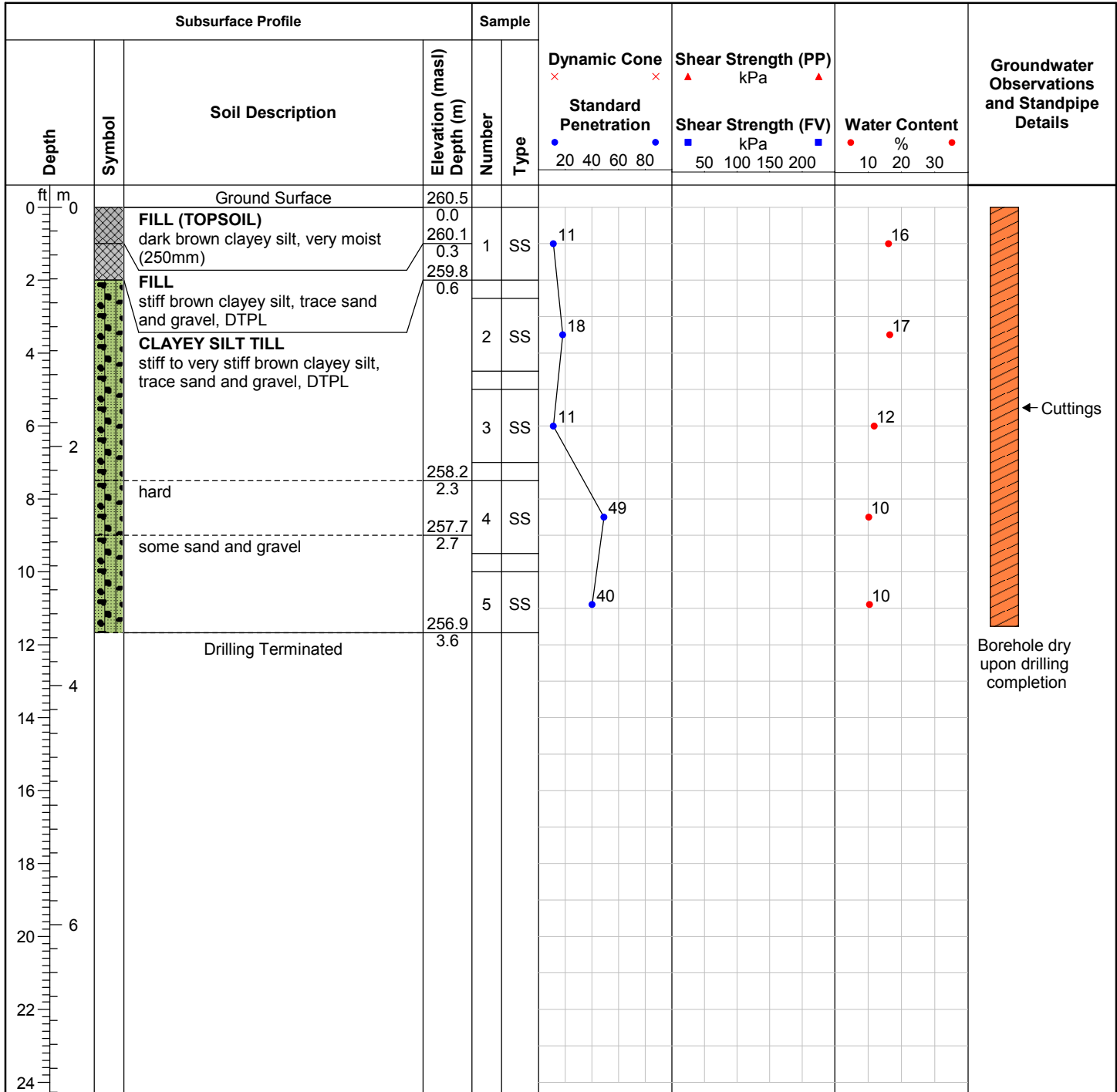
Sheet: 1 of 1

ID Number: BH139-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

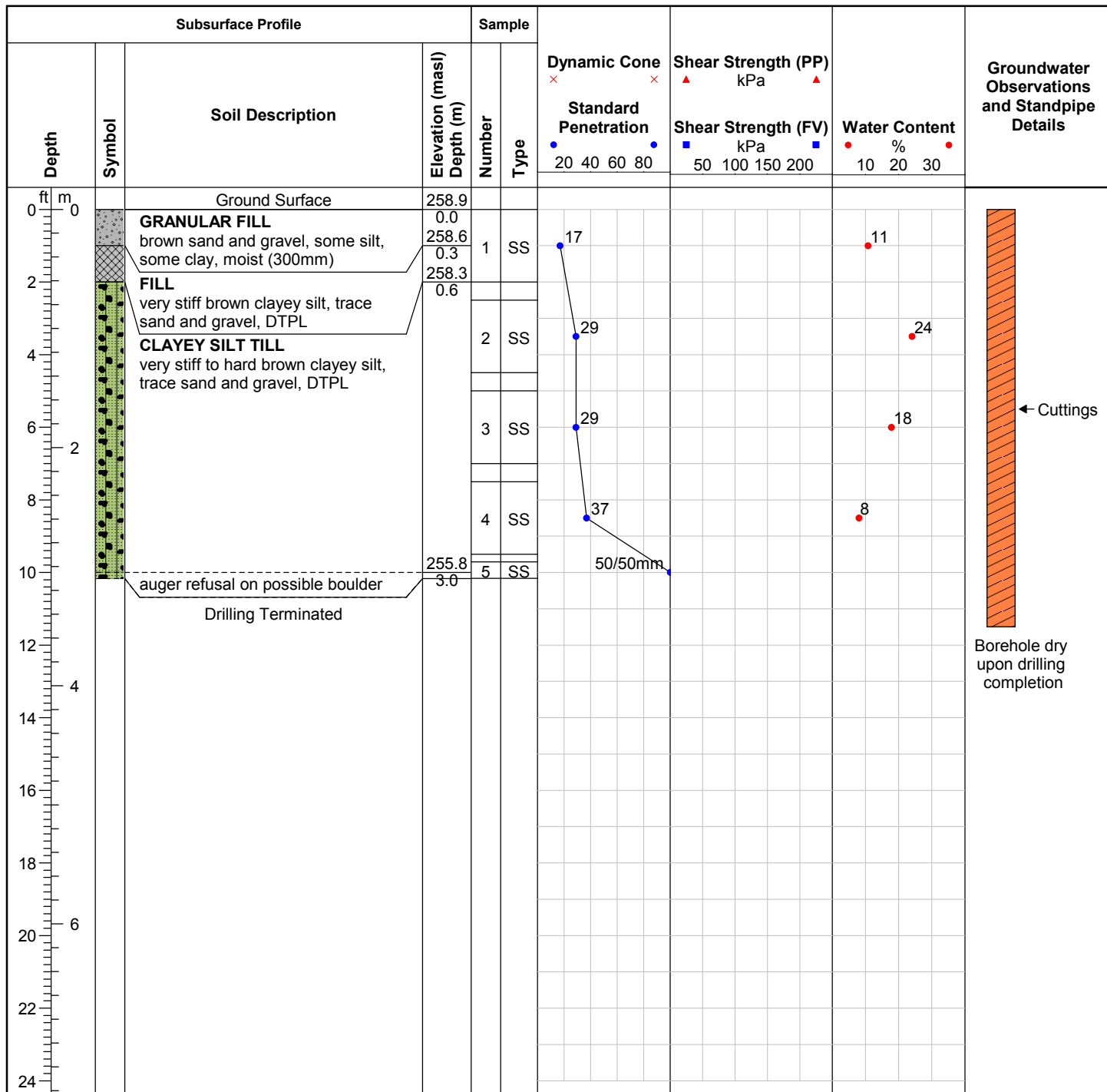
Sheet: 1 of 1

ID Number: BH140-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/5/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

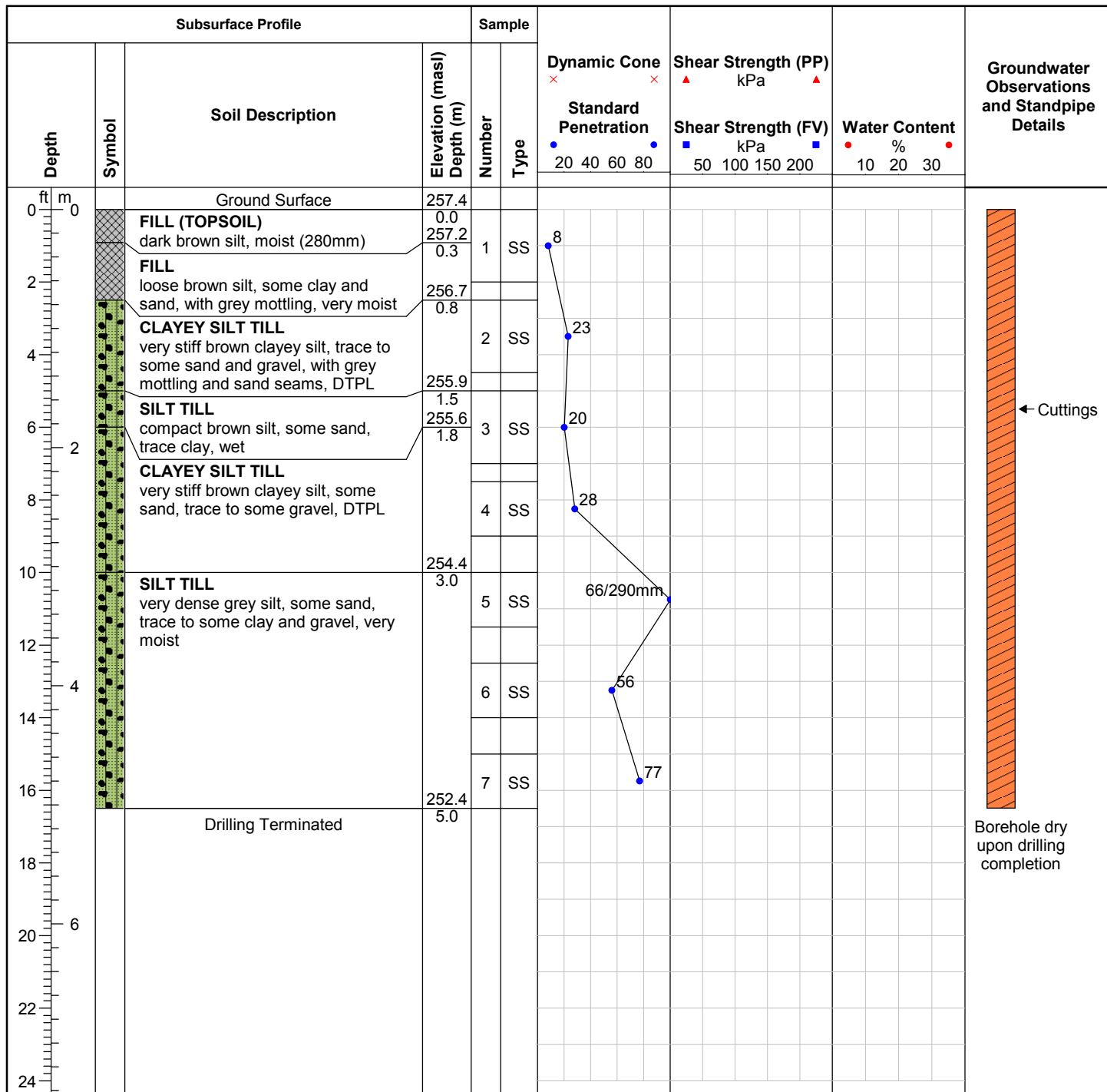
Sheet: 1 of 1

ID Number: BH141-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

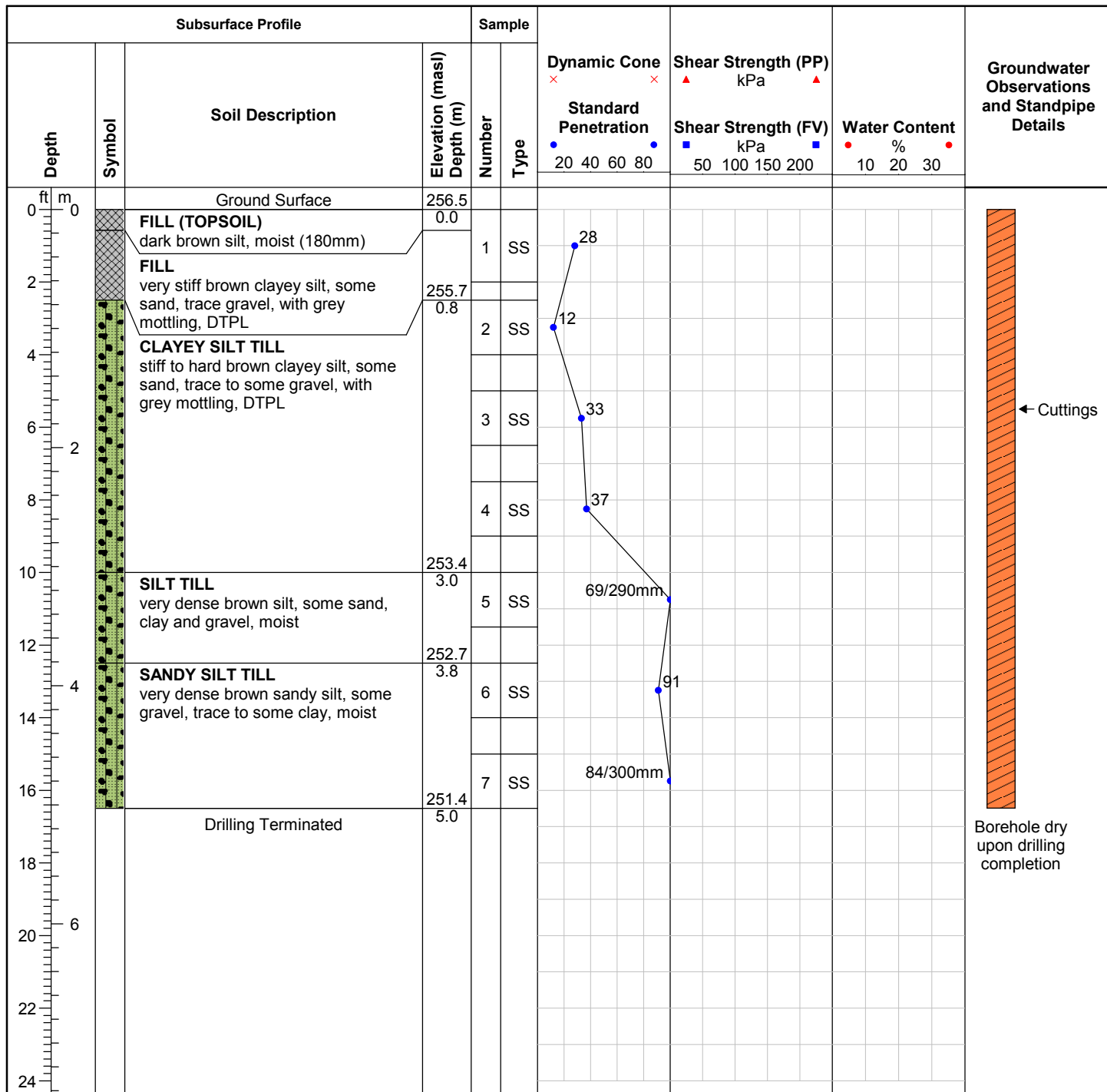
Sheet: 1 of 1

ID Number: BH142-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/3/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

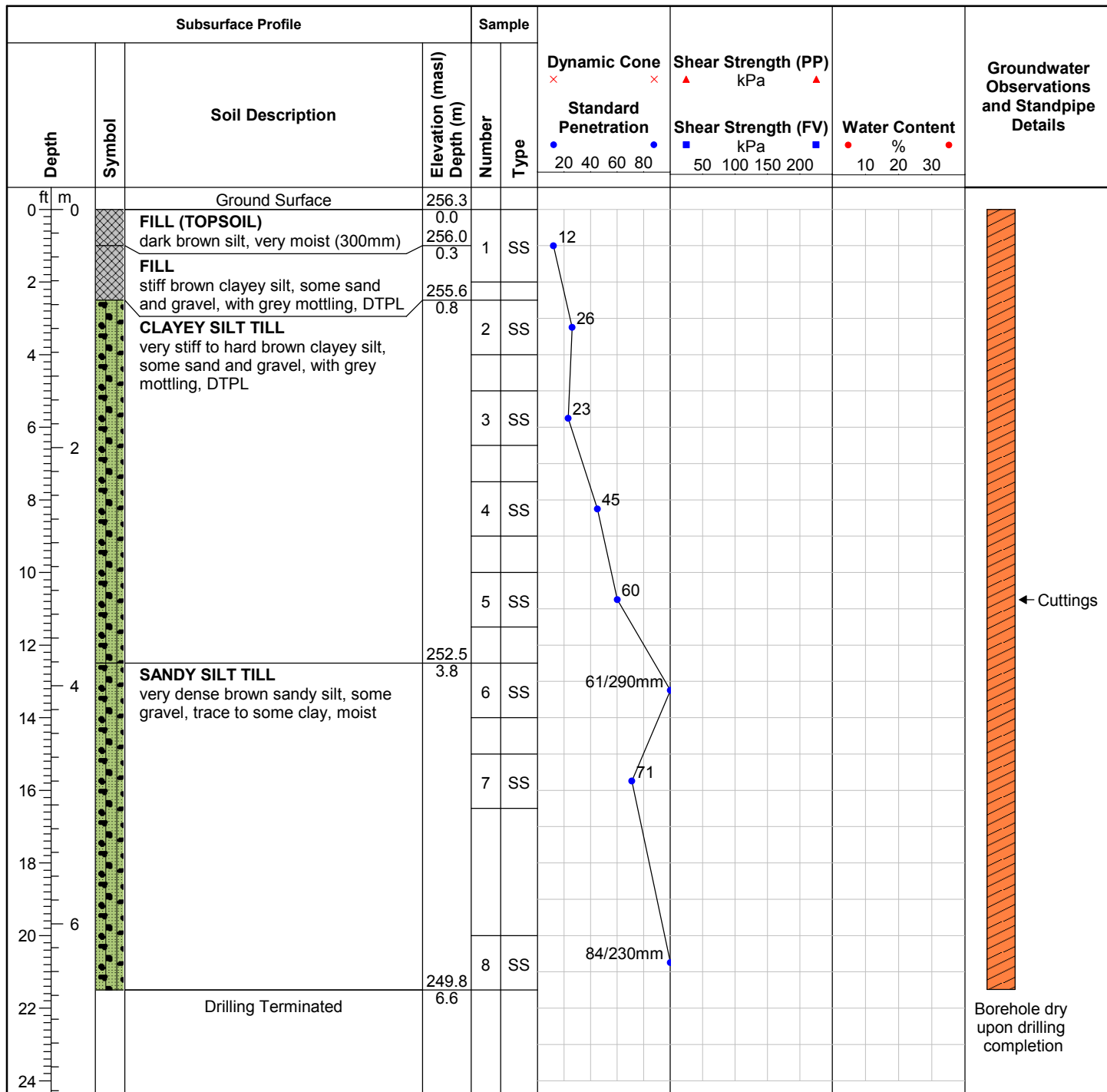
Sheet: 1 of 1

ID Number: BH143-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/13/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

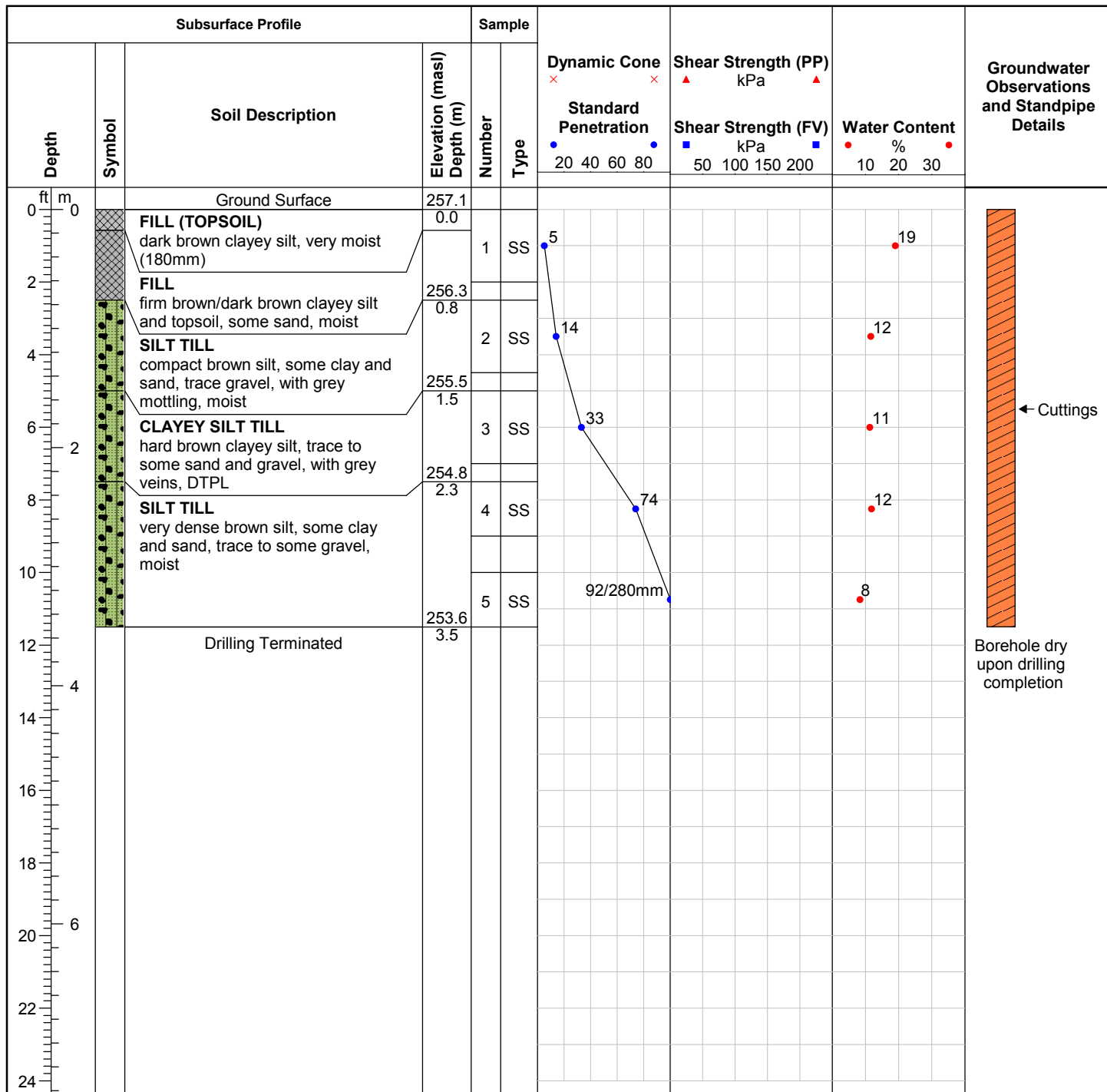
Sheet: 1 of 1

ID Number: BH144-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/13/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

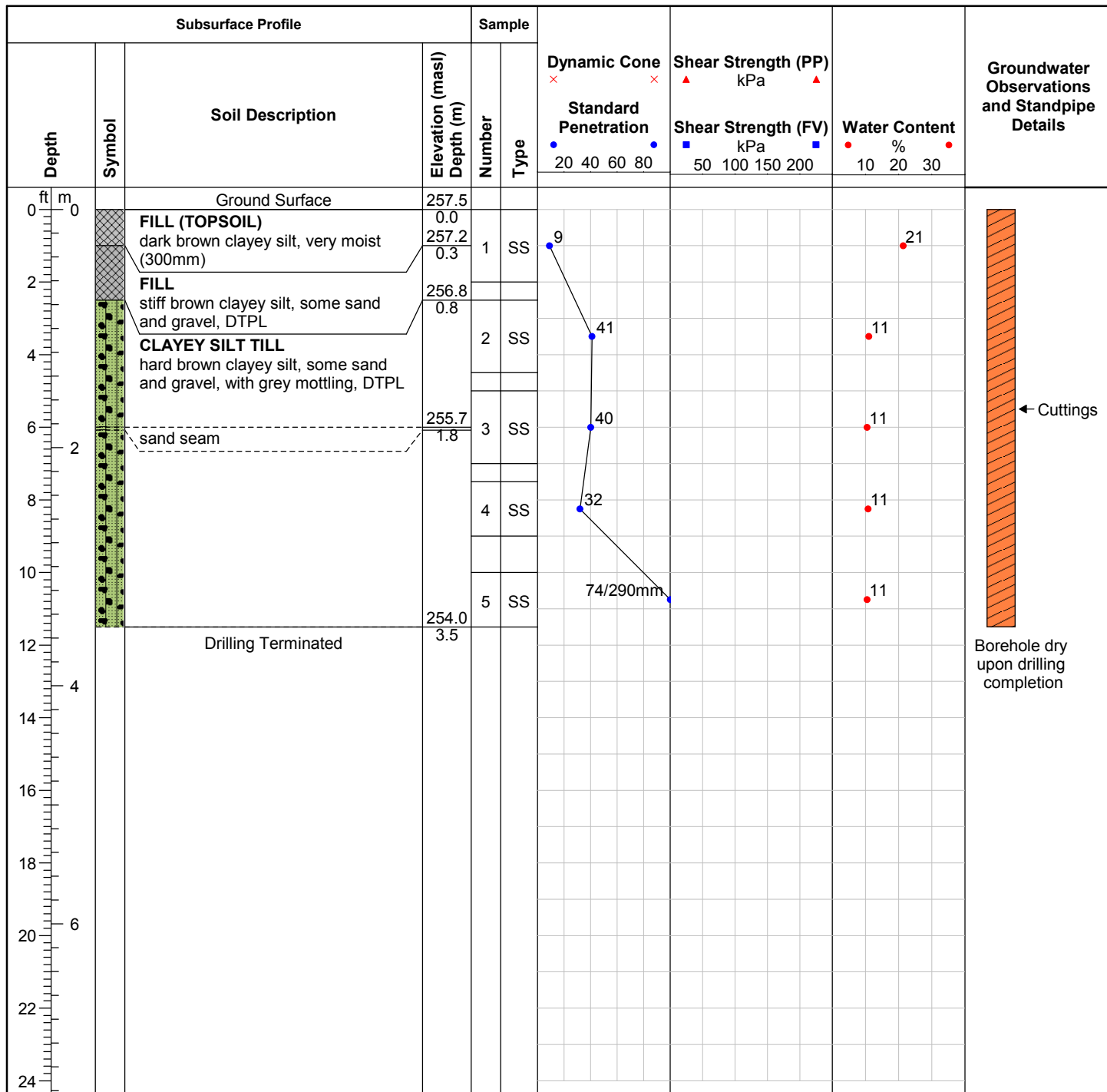
Sheet: 1 of 1

ID Number: BH145-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

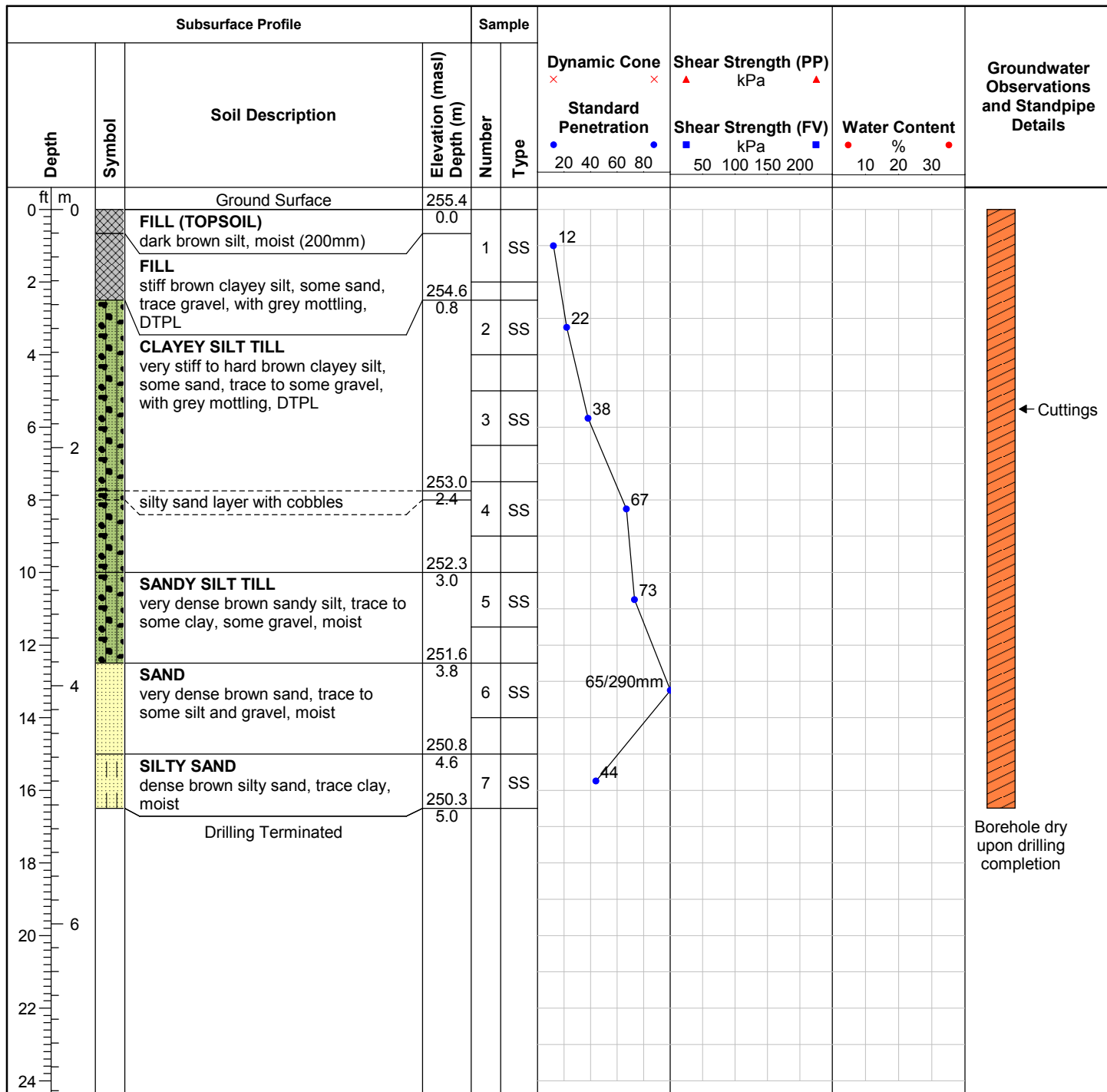
Sheet: 1 of 1

ID Number: BH146-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

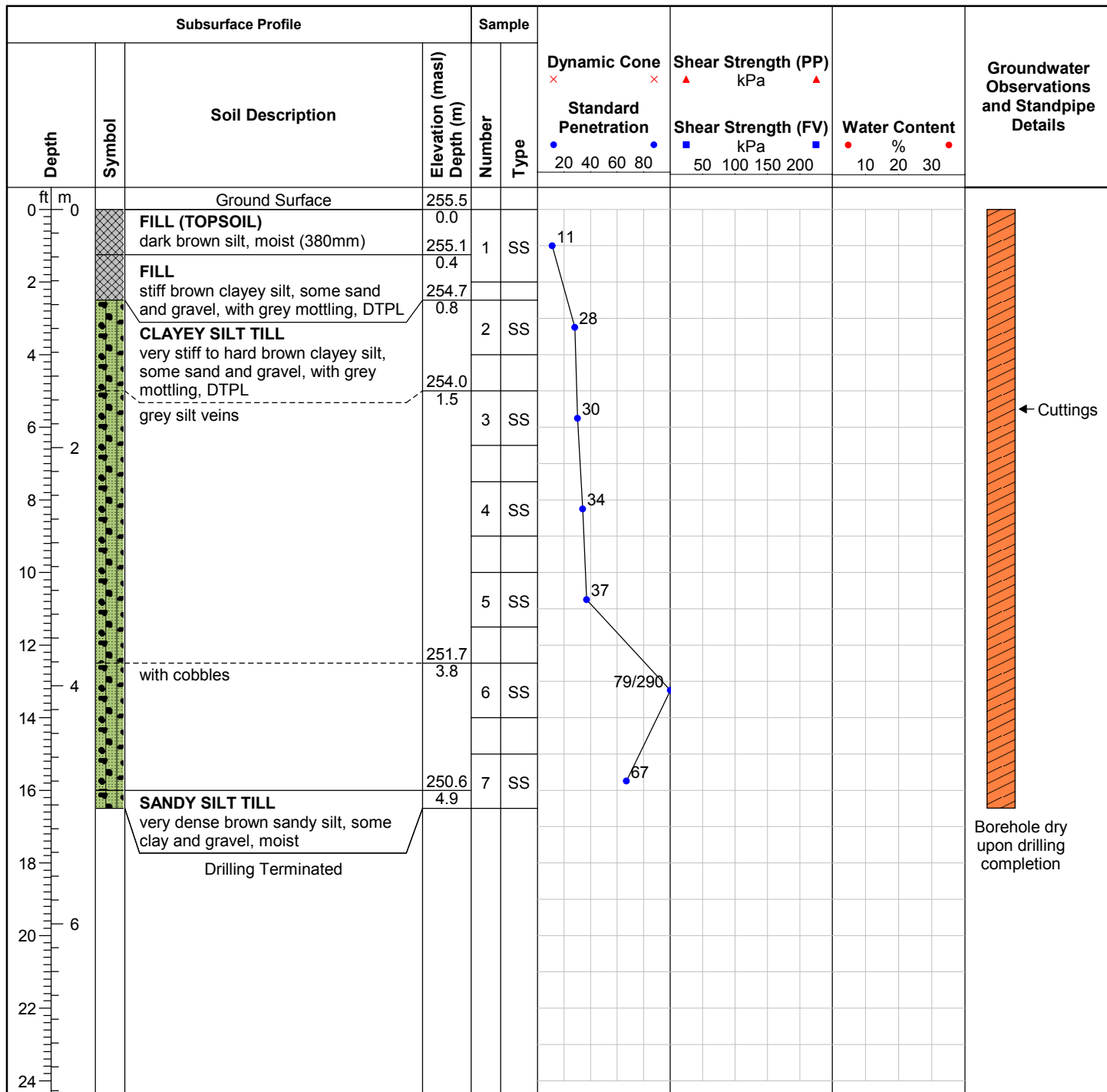
Sheet: 1 of 1

ID Number: BH147-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

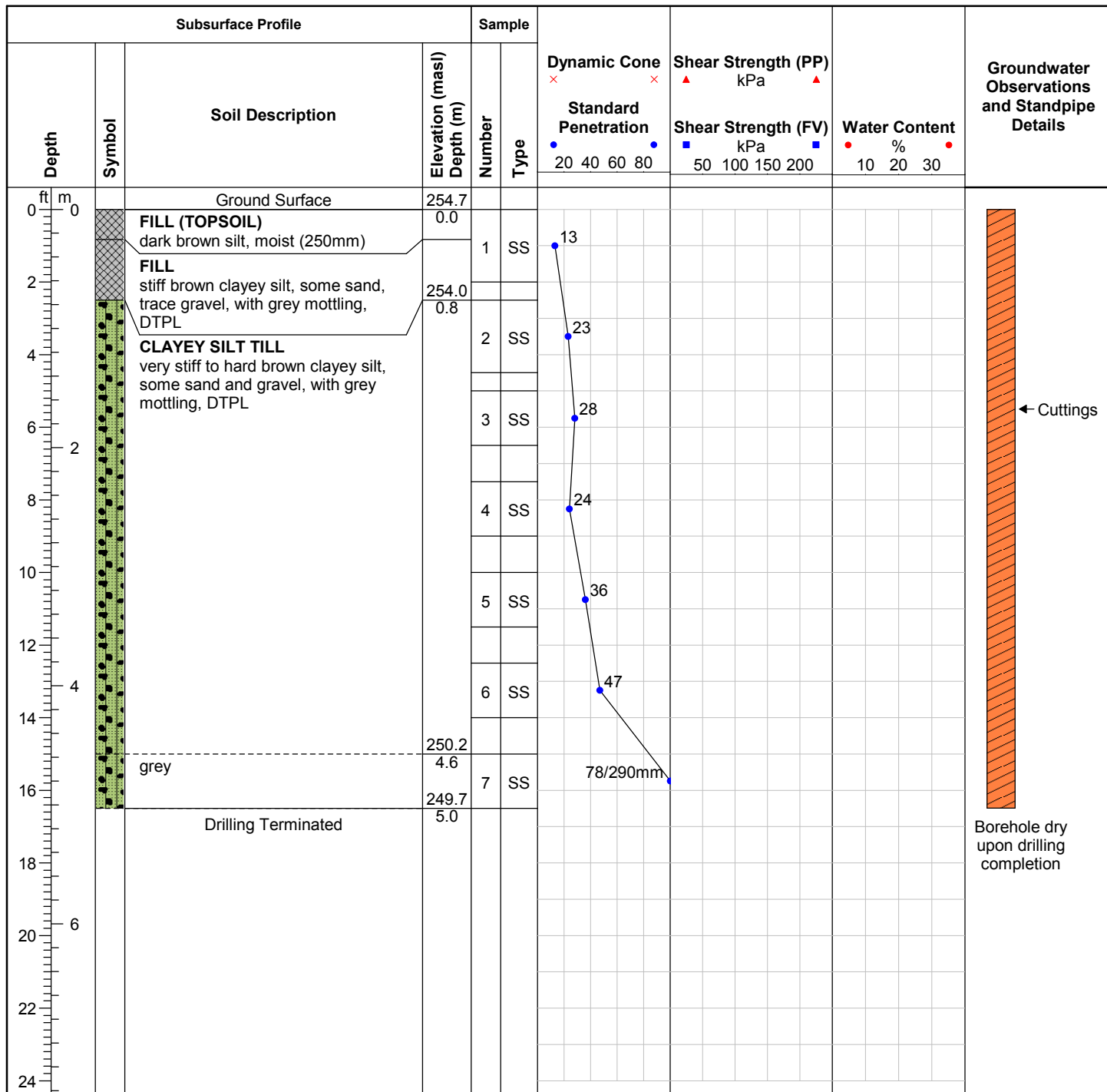
Sheet: 1 of 1

ID Number: BH148-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/13/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

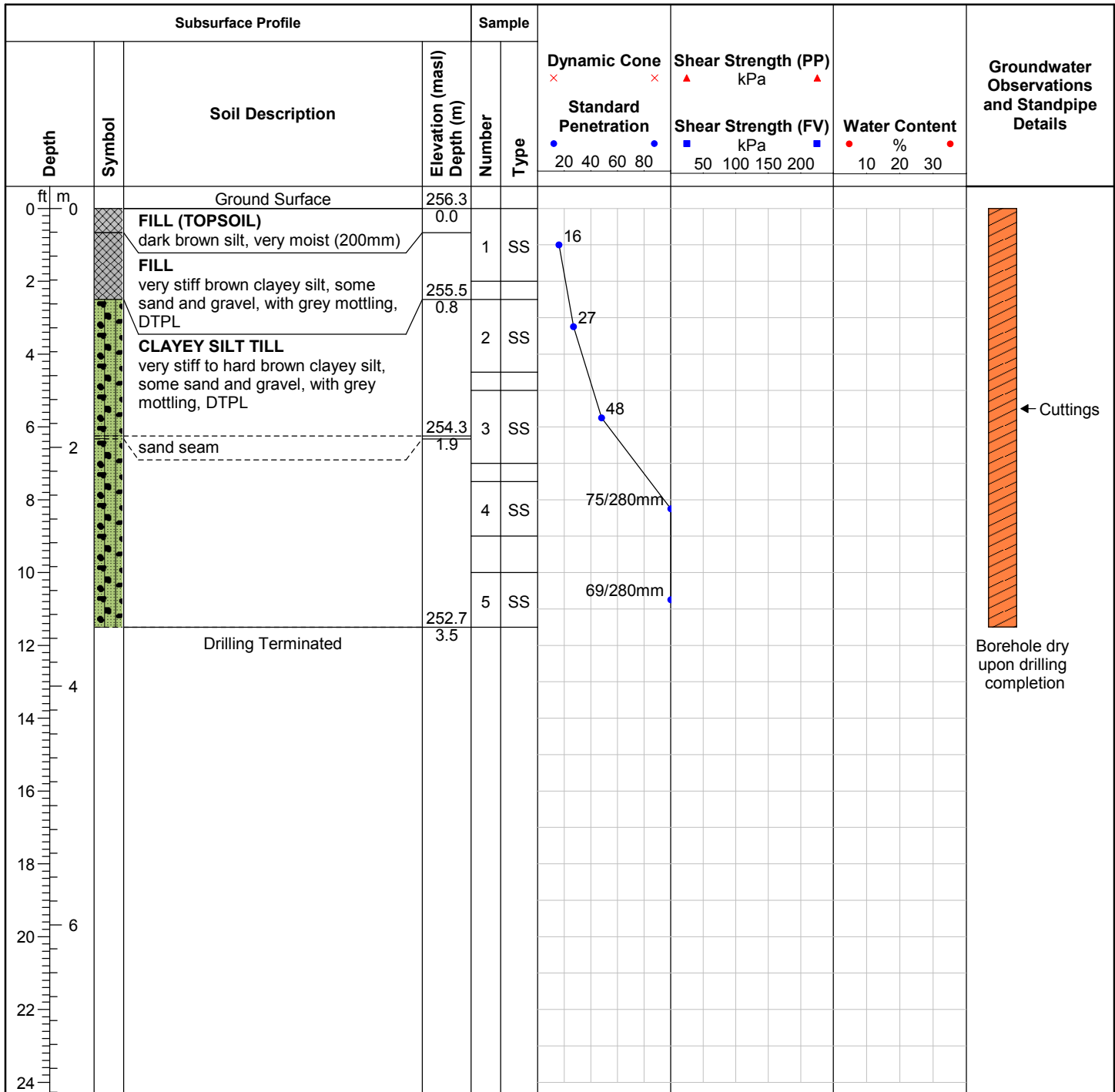
Sheet: 1 of 1

ID Number: BH149-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

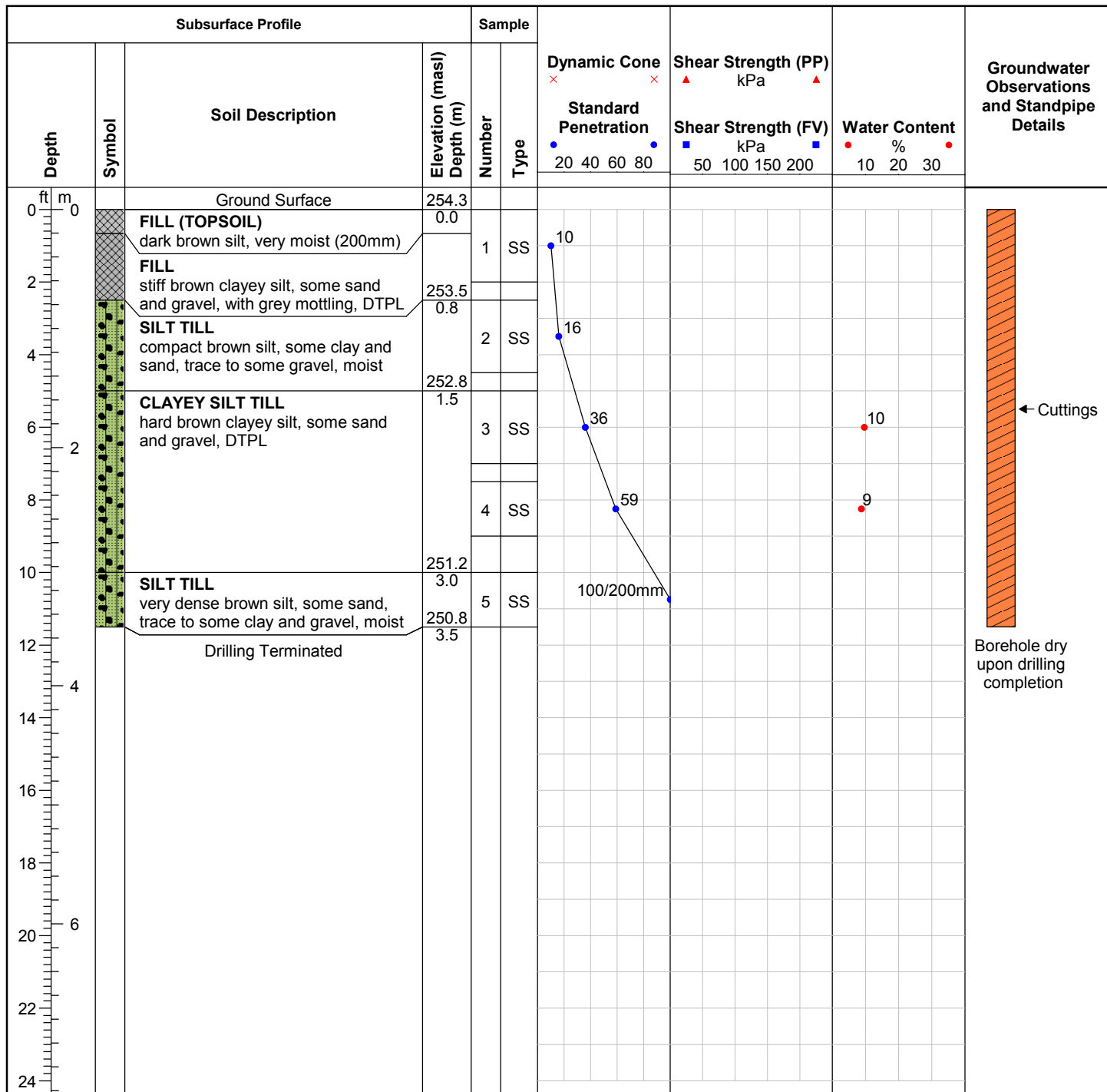
Sheet: 1 of 1

ID Number: BH150-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

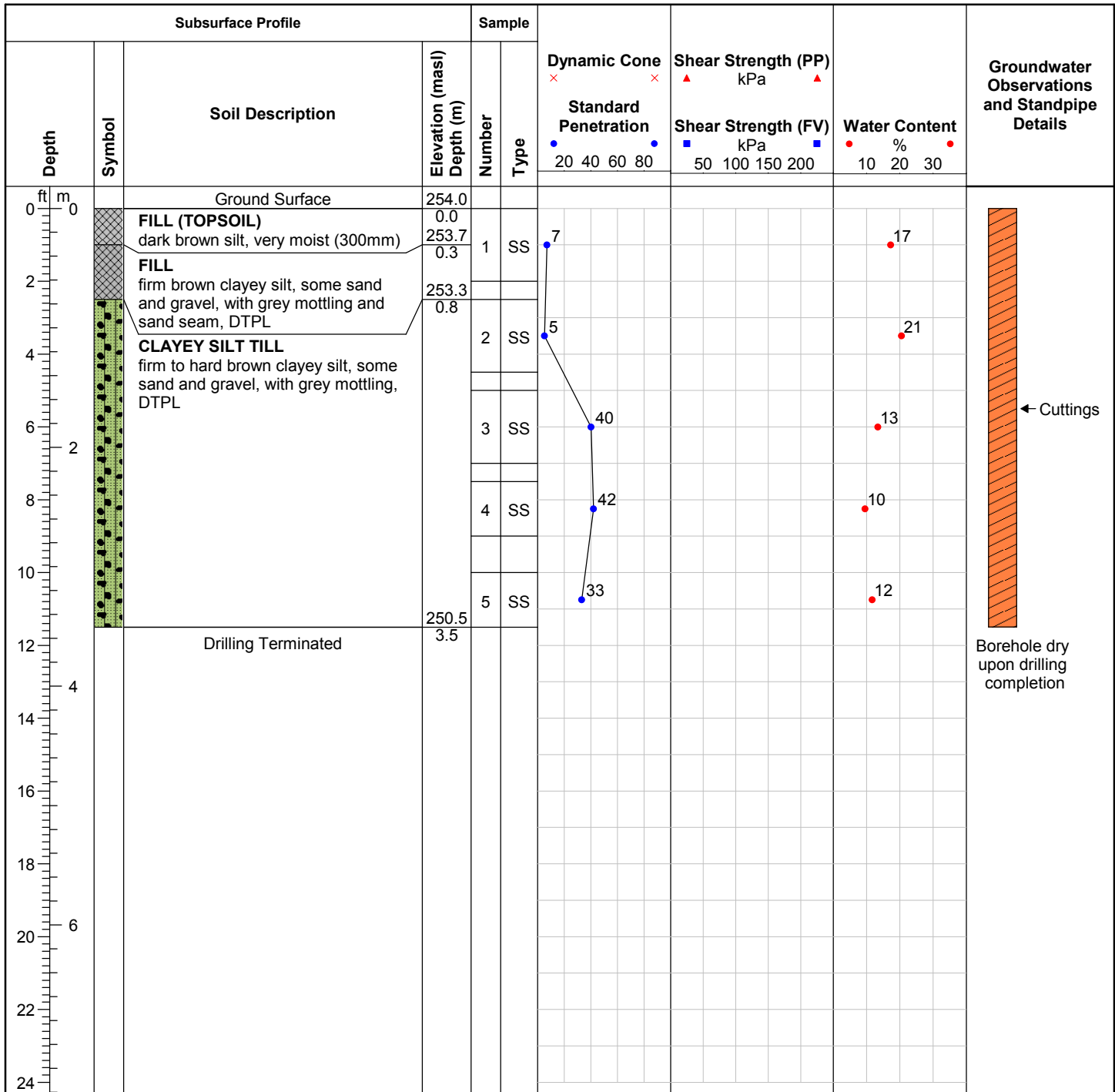
Sheet: 1 of 1

ID Number: BH151-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

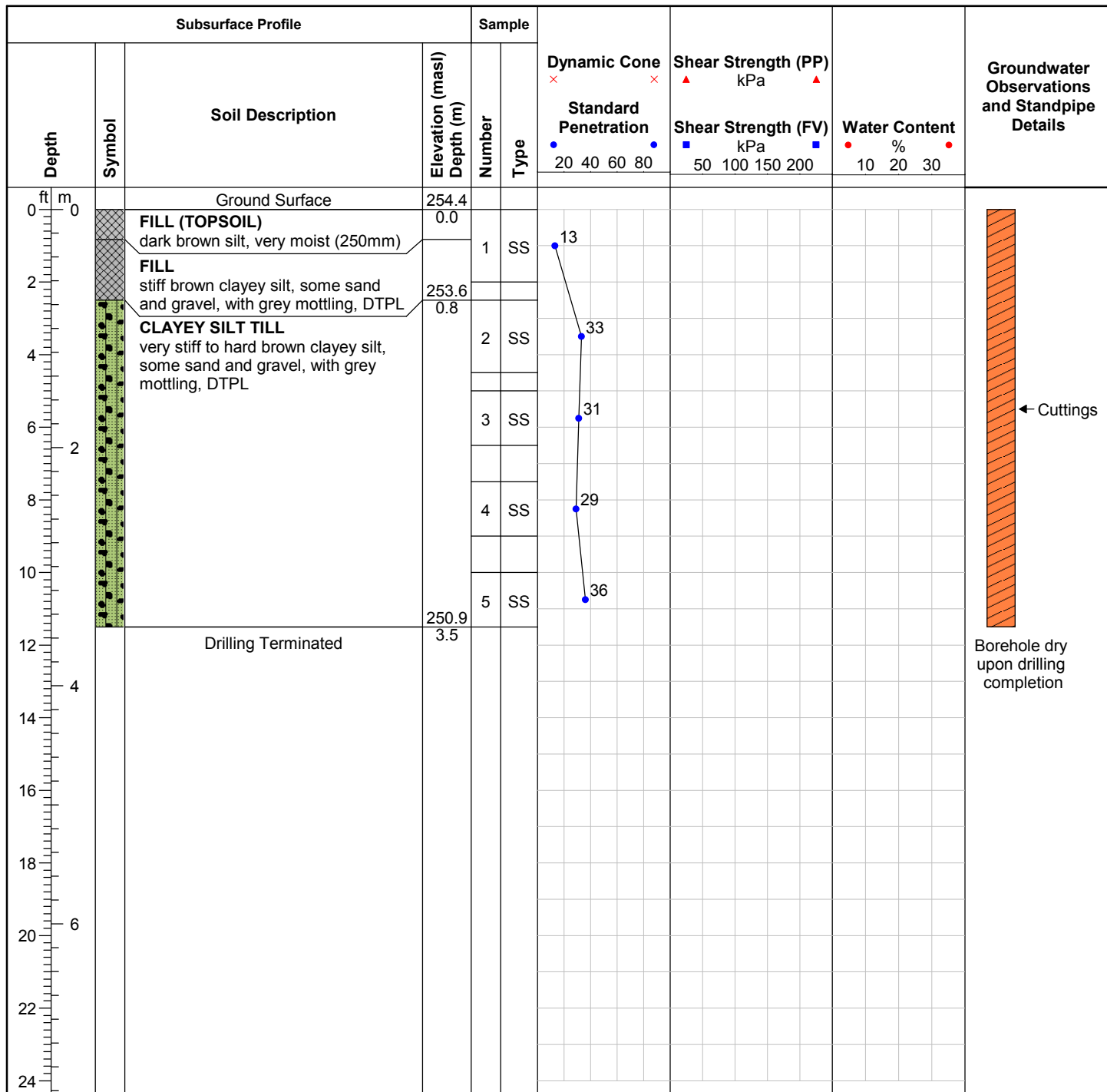
Sheet: 1 of 1

ID Number: BH152-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

ID Number: BH153-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/6/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** Geoprobe 7822DT**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner

Sheet: 1 of 1

ID Number: BH154-20**Project:** 12035 Dixie Road: Engineering Consulting Services**Project No:** 47477-300**Client:** Tribal Partners (Canada) Inc.**Site Location:** 12035 Dixie Road, Caledon, ON**Drill Date:** 11/12/2020**Drilling Contractor:** Tri-Phase Group**Drill Rig:** CME 75**Drill Method:** Solid Stem Auger**Protective Cover:****Field Technician:** MBC**Drafted by:** B. Gaul**Reviewed by:** B. Thorner**Sheet:** 1 of 1

Appendix C

Laboratory Certificates of Analysis



Your Project #: 47477-200
Your C.O.C. #: 798557-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/09

Report #: R6404014

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S8776

Received: 2020/10/30, 17:15

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
1,3-Dichloropropene Sum	1	N/A	2020/11/06		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Soil (1)	1	2020/11/05	2020/11/05	CAM SOP-00316	CCME CWS m
Strong Acid Leachable Metals by ICPMS	1	2020/11/05	2020/11/05	CAM SOP-00447	EPA 6020B m
Strong Acid Leachable Metals by ICPMS	3	2020/11/05	2020/11/06	CAM SOP-00447	EPA 6020B m
Moisture	4	N/A	2020/11/04	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (2)	3	2020/11/06	2020/11/07	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	3	N/A	2020/11/05	CAM SOP-00307	EPA 8081/8082 m
pH CaCl ₂ EXTRACT	4	2020/11/06	2020/11/06	CAM SOP-00413	EPA 9045 D m
Volatile Organic Compounds and F1 PHCs	1	N/A	2020/11/06	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods



Your Project #: 47477-200
Your C.O.C. #: 798557-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/09
Report #: R6404014
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S8776

Received: 2020/10/30, 17:15

September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1
Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Ronklin Gracian
Project Manager
09 Nov 2020 14:32:05

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OAU666	OAU669	OAU670	OAU670		
Sampling Date			2020/10/30 08:03	2020/10/30 09:55	2020/10/30 08:55	2020/10/30 08:55		
COC Number			798557-01-01	798557-01-01	798557-01-01	798557-01-01		
	UNITS	Criteria	BH110-20 0.75-2	MW101-20 0.9-2	MW1101-20 0.9-2	MW1101-20 0.9-2 Lab-Dup	RDL	QC Batch

Metals

Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	<0.20	<0.20	0.20	7039990
Acid Extractable Arsenic (As)	ug/g	18	4.4	6.6	6.1	6.1	1.0	7039990
Acid Extractable Barium (Ba)	ug/g	220	47	63	63	65	0.50	7039990
Acid Extractable Beryllium (Be)	ug/g	2.5	0.47	0.70	0.72	0.74	0.20	7039990
Acid Extractable Boron (B)	ug/g	36	5.0	<5.0	<5.0	<5.0	5.0	7039990
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	0.16	<0.10	<0.10	0.10	7039990
Acid Extractable Chromium (Cr)	ug/g	70	14	20	21	21	1.0	7039990
Acid Extractable Cobalt (Co)	ug/g	21	8.4	10	9.7	9.9	0.10	7039990
Acid Extractable Copper (Cu)	ug/g	92	30	38	36	36	0.50	7039990
Acid Extractable Lead (Pb)	ug/g	120	6.3	7.7	7.6	7.6	1.0	7039990
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	<0.50	<0.50	0.50	7039990
Acid Extractable Nickel (Ni)	ug/g	82	17	24	24	24	0.50	7039990
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	<0.50	<0.50	0.50	7039990
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	<0.20	<0.20	0.20	7039990
Acid Extractable Thallium (Tl)	ug/g	1	0.092	0.12	0.11	0.12	0.050	7039990
Acid Extractable Uranium (U)	ug/g	2.5	0.37	0.42	0.42	0.41	0.050	7039990
Acid Extractable Vanadium (V)	ug/g	86	22	30	31	30	5.0	7039990
Acid Extractable Zinc (Zn)	ug/g	290	40	53	52	51	5.0	7039990

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels
RDL = Reportable Detection Limit	
QC Batch = Quality Control Batch	
Lab-Dup = Laboratory Initiated Duplicate	
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)	
Table 1: Full Depth Background Site Condition Standards	
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use	



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OAU673		
Sampling Date			2020/10/30 10:36		
COC Number			798557-01-01		
	UNITS	Criteria	MW101-20 10-12	RDL	QC Batch
Metals					
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	0.20	7040099
Acid Extractable Arsenic (As)	ug/g	18	5.5	1.0	7040099
Acid Extractable Barium (Ba)	ug/g	220	57	0.50	7040099
Acid Extractable Beryllium (Be)	ug/g	2.5	0.55	0.20	7040099
Acid Extractable Boron (B)	ug/g	36	6.5	5.0	7040099
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	0.10	7040099
Acid Extractable Chromium (Cr)	ug/g	70	18	1.0	7040099
Acid Extractable Cobalt (Co)	ug/g	21	10	0.10	7040099
Acid Extractable Copper (Cu)	ug/g	92	39	0.50	7040099
Acid Extractable Lead (Pb)	ug/g	120	8.4	1.0	7040099
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	0.50	7040099
Acid Extractable Nickel (Ni)	ug/g	82	21	0.50	7040099
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	0.50	7040099
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	0.20	7040099
Acid Extractable Thallium (Tl)	ug/g	1	0.11	0.050	7040099
Acid Extractable Uranium (U)	ug/g	2.5	0.40	0.050	7040099
Acid Extractable Vanadium (V)	ug/g	86	23	5.0	7040099
Acid Extractable Zinc (Zn)	ug/g	290	47	5.0	7040099
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OAU667	OAU669	OAU670		
Sampling Date			2020/10/30 08:07	2020/10/30 09:55	2020/10/30 08:55		
COC Number			798557-01-01	798557-01-01	798557-01-01		
	UNITS	Criteria	BH110-20 2.5-4.5	MW101-20 0.9-2	MW1101-20 0.9-2	RDL	QC Batch
Inorganics							
Moisture	%	-	9.6	11	10	1.0	7038586
Calculated Parameters							
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7035177
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7035177
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7035177
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7035177
Total Endosulfan	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7035177
Pesticides & Herbicides							
Aldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7042852
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7042852
Dieldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
Lindane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7042852
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7042852
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7042852
Endrin	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7042852
Heptachlor	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7042852
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7042852
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7042852
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7042852
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	<0.0050	0.0050	7042852
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)							
Table 1: Full Depth Background Site Condition Standards							
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use							



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OAU667	OAU669	OAU670		
Sampling Date			2020/10/30 08:07	2020/10/30 09:55	2020/10/30 08:55		
COC Number			798557-01-01	798557-01-01	798557-01-01		
	UNITS	Criteria	BH110-20 2.5-4.5	MW101-20 0.9-2	MW1101-20 0.9-2	RDL	QC Batch
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	-	88	94	89		7042852
Decachlorobiphenyl	%	-	100	99	99		7042852
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)							
Table 1: Full Depth Background Site Condition Standards							
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use							

BUREAU
VERITAS

BV Labs Job #: COS8776

Report Date: 2020/11/09

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID			OAU673		
Sampling Date			2020/10/30 10:36		
COC Number			798557-01-01		
	UNITS	Criteria	MW101-20 10-12	RDL	QC Batch
Inorganics					
Moisture	%	-	10	1.0	7037648
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	0.05	<0.050	0.050	7034821
Volatile Organics					
Acetone (2-Propanone)	ug/g	0.5	<0.50	0.50	7037368
Benzene	ug/g	0.02	<0.020	0.020	7037368
Bromodichloromethane	ug/g	0.05	<0.050	0.050	7037368
Bromoform	ug/g	0.05	<0.050	0.050	7037368
Bromomethane	ug/g	0.05	<0.050	0.050	7037368
Carbon Tetrachloride	ug/g	0.05	<0.050	0.050	7037368
Chlorobenzene	ug/g	0.05	<0.050	0.050	7037368
Chloroform	ug/g	0.05	<0.050	0.050	7037368
Dibromochloromethane	ug/g	0.05	<0.050	0.050	7037368
1,2-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7037368
1,3-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7037368
1,4-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7037368
Dichlorodifluoromethane (FREON 12)	ug/g	0.05	<0.050	0.050	7037368
1,1-Dichloroethane	ug/g	0.05	<0.050	0.050	7037368
1,2-Dichloroethane	ug/g	0.05	<0.050	0.050	7037368
1,1-Dichloroethylene	ug/g	0.05	<0.050	0.050	7037368
cis-1,2-Dichloroethylene	ug/g	0.05	<0.050	0.050	7037368
trans-1,2-Dichloroethylene	ug/g	0.05	<0.050	0.050	7037368
1,2-Dichloropropane	ug/g	0.05	<0.050	0.050	7037368
cis-1,3-Dichloropropene	ug/g	0.05	<0.030	0.030	7037368
trans-1,3-Dichloropropene	ug/g	0.05	<0.040	0.040	7037368
Ethylbenzene	ug/g	0.05	<0.020	0.020	7037368
Ethylene Dibromide	ug/g	0.05	<0.050	0.050	7037368
Hexane	ug/g	0.05	<0.050	0.050	7037368
No Fill	No Exceedance Exceeds 1 criteria policy/level Exceeds both criteria/levels				
Grey					
Black					
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



O.REG 153 VOCs BY HS & F1-F4 (SOIL)

BV Labs ID			OAU673		
Sampling Date			2020/10/30 10:36		
COC Number			798557-01-01		
	UNITS	Criteria	MW101-20 10-12	RDL	QC Batch
Methylene Chloride(Dichloromethane)	ug/g	0.05	<0.050	0.050	7037368
Methyl Ethyl Ketone (2-Butanone)	ug/g	0.5	<0.50	0.50	7037368
Methyl Isobutyl Ketone	ug/g	0.5	<0.50	0.50	7037368
Methyl t-butyl ether (MTBE)	ug/g	0.05	<0.050	0.050	7037368
Styrene	ug/g	0.05	<0.050	0.050	7037368
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.050	0.050	7037368
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.050	0.050	7037368
Tetrachloroethylene	ug/g	0.05	<0.050	0.050	7037368
Toluene	ug/g	0.2	<0.020	0.020	7037368
1,1,1-Trichloroethane	ug/g	0.05	<0.050	0.050	7037368
1,1,2-Trichloroethane	ug/g	0.05	<0.050	0.050	7037368
Trichloroethylene	ug/g	0.05	<0.050	0.050	7037368
Trichlorofluoromethane (FREON 11)	ug/g	0.25	<0.050	0.050	7037368
Vinyl Chloride	ug/g	0.02	<0.020	0.020	7037368
p+m-Xylene	ug/g	-	<0.020	0.020	7037368
o-Xylene	ug/g	-	<0.020	0.020	7037368
Total Xylenes	ug/g	0.05	<0.020	0.020	7037368
F1 (C6-C10)	ug/g	25	<10	10	7037368
F1 (C6-C10) - BTEX	ug/g	25	<10	10	7037368
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	7039559
F3 (C16-C34 Hydrocarbons)	ug/g	240	<50	50	7039559
F4 (C34-C50 Hydrocarbons)	ug/g	120	<50	50	7039559
Reached Baseline at C50	ug/g	-	Yes		7039559
Surrogate Recovery (%)					
o-Terphenyl	%	-	89		7039559
4-Bromofluorobenzene	%	-	88		7037368
D10-o-Xylene	%	-	88		7037368
D4-1,2-Dichloroethane	%	-	105		7037368
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID			OAU673		
Sampling Date			2020/10/30 10:36		
COC Number			798557-01-01		
	UNITS	Criteria	MW101-20 10-12	RDL	QC Batch
D8-Toluene	%	-	98		7037368
No Fill	No Exceedance				
Grey					
Black					
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OAU666	OAU669	OAU670	OAU673	
Sampling Date		2020/10/30 08:03	2020/10/30 09:55	2020/10/30 08:55	2020/10/30 10:36	
COC Number		798557-01-01	798557-01-01	798557-01-01	798557-01-01	
	UNITS	BH110-20 0.75-2	MW101-20 0.9-2	MW1101-20 0.9-2	MW101-20 10-12	QC Batch
Inorganics						
Available (CaCl ₂) pH	pH	7.80	7.59	7.58	7.83	7042109
QC Batch = Quality Control Batch						



BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OAU666
Sample ID: BH110-20 0.75-2
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7039990	2020/11/05	2020/11/06	Azita Fazaeli
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake

BV Labs ID: OAU667
Sample ID: BH110-20 2.5-4.5
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	7038586	N/A	2020/11/04	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7042852	2020/11/06	2020/11/07	Joy Zhang
OC Pesticides Summed Parameters	CALC	7035177	N/A	2020/11/05	Automated Statchk

BV Labs ID: OAU669
Sample ID: MW101-20 0.9-2
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7039990	2020/11/05	2020/11/06	Azita Fazaeli
Moisture	BAL	7038586	N/A	2020/11/04	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7042852	2020/11/06	2020/11/07	Joy Zhang
OC Pesticides Summed Parameters	CALC	7035177	N/A	2020/11/05	Automated Statchk
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake

BV Labs ID: OAU670
Sample ID: MW1101-20 0.9-2
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7039990	2020/11/05	2020/11/06	Azita Fazaeli
Moisture	BAL	7038586	N/A	2020/11/04	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7042852	2020/11/06	2020/11/07	Joy Zhang
OC Pesticides Summed Parameters	CALC	7035177	N/A	2020/11/05	Automated Statchk
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake

BV Labs ID: OAU670 Dup
Sample ID: MW1101-20 0.9-2
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7039990	2020/11/05	2020/11/06	Azita Fazaeli



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OAU673
Sample ID: MW101-20 10-12
Matrix: Soil

Collected: 2020/10/30
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7034821	N/A	2020/11/06	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7039559	2020/11/05	2020/11/05	Biljana Lazovic
Strong Acid Leachable Metals by ICPMS	ICP/MS	7040099	2020/11/05	2020/11/05	Azita Fazaeli
Moisture	BAL	7037648	N/A	2020/11/04	Gurpreet Kaur (ONT)
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7037368	N/A	2020/11/06	Karen Hughes



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.3°C
-----------	-------

Results relate only to the items tested.



BUREAU
VERITAS

BV Labs Job #: C0S8776

Report Date: 2020/11/09

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7037368	4-Bromofluorobenzene	2020/11/06	101	60 - 140	101	60 - 140	89	%		
7037368	D10-o-Xylene	2020/11/06	92	60 - 130	98	60 - 130	86	%		
7037368	D4-1,2-Dichloroethane	2020/11/06	108	60 - 140	115	60 - 140	109	%		
7037368	D8-Toluene	2020/11/06	100	60 - 140	99	60 - 140	98	%		
7039559	o-Terphenyl	2020/11/05	87	60 - 130	87	60 - 130	91	%		
7042852	2,4,5,6-Tetrachloro-m-xylene	2020/11/07	100	50 - 130	90	50 - 130	86	%		
7042852	Decachlorobiphenyl	2020/11/07	114	50 - 130	102	50 - 130	100	%		
7037368	1,1,1,2-Tetrachloroethane	2020/11/06	103	60 - 140	103	60 - 130	<0.050	ug/g	NC	50
7037368	1,1,1-Trichloroethane	2020/11/06	104	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7037368	1,1,2,2-Tetrachloroethane	2020/11/06	99	60 - 140	104	60 - 130	<0.050	ug/g	NC	50
7037368	1,1,2-Trichloroethane	2020/11/06	106	60 - 140	110	60 - 130	<0.050	ug/g	NC	50
7037368	1,1-Dichloroethane	2020/11/06	99	60 - 140	99	60 - 130	<0.050	ug/g	NC	50
7037368	1,1-Dichloroethylene	2020/11/06	98	60 - 140	95	60 - 130	<0.050	ug/g	NC	50
7037368	1,2-Dichlorobenzene	2020/11/06	100	60 - 140	98	60 - 130	<0.050	ug/g	NC	50
7037368	1,2-Dichloroethane	2020/11/06	103	60 - 140	110	60 - 130	<0.050	ug/g	NC	50
7037368	1,2-Dichloropropane	2020/11/06	103	60 - 140	105	60 - 130	<0.050	ug/g	NC	50
7037368	1,3-Dichlorobenzene	2020/11/06	102	60 - 140	98	60 - 130	<0.050	ug/g	NC	50
7037368	1,4-Dichlorobenzene	2020/11/06	119	60 - 140	114	60 - 130	<0.050	ug/g	NC	50
7037368	Acetone (2-Propanone)	2020/11/06	107	60 - 140	120	60 - 140	<0.50	ug/g	NC	50
7037368	Benzene	2020/11/06	98	60 - 140	97	60 - 130	<0.020	ug/g	NC	50
7037368	Bromodichloromethane	2020/11/06	107	60 - 140	110	60 - 130	<0.050	ug/g	NC	50
7037368	Bromoform	2020/11/06	99	60 - 140	105	60 - 130	<0.050	ug/g	NC	50
7037368	Bromomethane	2020/11/06	94	60 - 140	98	60 - 140	<0.050	ug/g	NC	50
7037368	Carbon Tetrachloride	2020/11/06	102	60 - 140	100	60 - 130	<0.050	ug/g	NC	50
7037368	Chlorobenzene	2020/11/06	101	60 - 140	100	60 - 130	<0.050	ug/g	NC	50
7037368	Chloroform	2020/11/06	101	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7037368	cis-1,2-Dichloroethylene	2020/11/06	104	60 - 140	105	60 - 130	<0.050	ug/g	NC	50
7037368	cis-1,3-Dichloropropene	2020/11/06	86	60 - 140	95	60 - 130	<0.030	ug/g	NC	50
7037368	Dibromochloromethane	2020/11/06	99	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7037368	Dichlorodifluoromethane (FREON 12)	2020/11/06	84	60 - 140	80	60 - 140	<0.050	ug/g	NC	50
7037368	Ethylbenzene	2020/11/06	95	60 - 140	92	60 - 130	<0.020	ug/g	NC	50

BUREAU
VERITAS

BV Labs Job #: C0S8776

Report Date: 2020/11/09

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7037368	Ethylene Dibromide	2020/11/06	98	60 - 140	103	60 - 130	<0.050	ug/g	NC	50
7037368	F1 (C6-C10) - BTEX	2020/11/06					<10	ug/g	NC	30
7037368	F1 (C6-C10)	2020/11/06	109	60 - 140	100	80 - 120	<10	ug/g	NC	30
7037368	Hexane	2020/11/06	98	60 - 140	95	60 - 130	<0.050	ug/g	NC	50
7037368	Methyl Ethyl Ketone (2-Butanone)	2020/11/06	118	60 - 140	132	60 - 140	<0.50	ug/g	NC	50
7037368	Methyl Isobutyl Ketone	2020/11/06	107	60 - 140	117	60 - 130	<0.50	ug/g	NC	50
7037368	Methyl t-butyl ether (MTBE)	2020/11/06	95	60 - 140	97	60 - 130	<0.050	ug/g	NC	50
7037368	Methylene Chloride(Dichloromethane)	2020/11/06	106	60 - 140	110	60 - 130	<0.050	ug/g	NC	50
7037368	o-Xylene	2020/11/06	97	60 - 140	94	60 - 130	<0.020	ug/g	NC	50
7037368	p+m-Xylene	2020/11/06	101	60 - 140	97	60 - 130	<0.020	ug/g	NC	50
7037368	Styrene	2020/11/06	108	60 - 140	106	60 - 130	<0.050	ug/g	NC	50
7037368	Tetrachloroethylene	2020/11/06	93	60 - 140	90	60 - 130	<0.050	ug/g	NC	50
7037368	Toluene	2020/11/06	97	60 - 140	95	60 - 130	<0.020	ug/g	NC	50
7037368	Total Xylenes	2020/11/06					<0.020	ug/g	NC	50
7037368	trans-1,2-Dichloroethylene	2020/11/06	103	60 - 140	101	60 - 130	<0.050	ug/g	NC	50
7037368	trans-1,3-Dichloropropene	2020/11/06	94	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
7037368	Trichloroethylene	2020/11/06	106	60 - 140	104	60 - 130	<0.050	ug/g	NC	50
7037368	Trichlorofluoromethane (FREON 11)	2020/11/06	98	60 - 140	95	60 - 130	<0.050	ug/g	NC	50
7037368	Vinyl Chloride	2020/11/06	95	60 - 140	93	60 - 130	<0.020	ug/g	NC	50
7037648	Moisture	2020/11/04							1.9	20
7038586	Moisture	2020/11/04							0.95	20
7039559	F2 (C10-C16 Hydrocarbons)	2020/11/05	91	50 - 130	90	80 - 120	<10	ug/g	NC	30
7039559	F3 (C16-C34 Hydrocarbons)	2020/11/05	96	50 - 130	96	80 - 120	<50	ug/g	NC	30
7039559	F4 (C34-C50 Hydrocarbons)	2020/11/05	92	50 - 130	91	80 - 120	<50	ug/g	NC	30
7039990	Acid Extractable Antimony (Sb)	2020/11/06	95	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
7039990	Acid Extractable Arsenic (As)	2020/11/06	109	75 - 125	104	80 - 120	<1.0	ug/g	0.47	30
7039990	Acid Extractable Barium (Ba)	2020/11/06	NC	75 - 125	102	80 - 120	<0.50	ug/g	2.5	30
7039990	Acid Extractable Beryllium (Be)	2020/11/06	107	75 - 125	99	80 - 120	<0.20	ug/g	2.2	30
7039990	Acid Extractable Boron (B)	2020/11/06	96	75 - 125	96	80 - 120	<5.0	ug/g	NC	30
7039990	Acid Extractable Cadmium (Cd)	2020/11/06	106	75 - 125	99	80 - 120	<0.10	ug/g	NC	30
7039990	Acid Extractable Chromium (Cr)	2020/11/06	108	75 - 125	100	80 - 120	<1.0	ug/g	0.38	30

BUREAU
VERITAS

BV Labs Job #: C0S8776

Report Date: 2020/11/09

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7039990	Acid Extractable Cobalt (Co)	2020/11/06	103	75 - 125	100	80 - 120	<0.10	ug/g	2.3	30
7039990	Acid Extractable Copper (Cu)	2020/11/06	NC	75 - 125	99	80 - 120	<0.50	ug/g	1.1	30
7039990	Acid Extractable Lead (Pb)	2020/11/06	102	75 - 125	98	80 - 120	<1.0	ug/g	0.63	30
7039990	Acid Extractable Molybdenum (Mo)	2020/11/06	105	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
7039990	Acid Extractable Nickel (Ni)	2020/11/06	102	75 - 125	100	80 - 120	<0.50	ug/g	2.6	30
7039990	Acid Extractable Selenium (Se)	2020/11/06	108	75 - 125	105	80 - 120	<0.50	ug/g	NC	30
7039990	Acid Extractable Silver (Ag)	2020/11/06	105	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
7039990	Acid Extractable Thallium (Tl)	2020/11/06	102	75 - 125	97	80 - 120	<0.050	ug/g	4.2	30
7039990	Acid Extractable Uranium (U)	2020/11/06	102	75 - 125	99	80 - 120	<0.050	ug/g	2.4	30
7039990	Acid Extractable Vanadium (V)	2020/11/06	NC	75 - 125	99	80 - 120	<5.0	ug/g	1.8	30
7039990	Acid Extractable Zinc (Zn)	2020/11/06	NC	75 - 125	97	80 - 120	<5.0	ug/g	2.6	30
7040099	Acid Extractable Antimony (Sb)	2020/11/05	84	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7040099	Acid Extractable Arsenic (As)	2020/11/05	103	75 - 125	103	80 - 120	<1.0	ug/g	14	30
7040099	Acid Extractable Barium (Ba)	2020/11/05	NC	75 - 125	100	80 - 120	<0.50	ug/g	7.6	30
7040099	Acid Extractable Beryllium (Be)	2020/11/05	107	75 - 125	101	80 - 120	<0.20	ug/g	5.8	30
7040099	Acid Extractable Boron (B)	2020/11/05	97	75 - 125	95	80 - 120	<5.0	ug/g	12	30
7040099	Acid Extractable Cadmium (Cd)	2020/11/05	104	75 - 125	100	80 - 120	<0.10	ug/g	9.5	30
7040099	Acid Extractable Chromium (Cr)	2020/11/05	NC	75 - 125	101	80 - 120	<1.0	ug/g	5.0	30
7040099	Acid Extractable Cobalt (Co)	2020/11/05	98	75 - 125	102	80 - 120	<0.10	ug/g	6.4	30
7040099	Acid Extractable Copper (Cu)	2020/11/05	NC	75 - 125	101	80 - 120	<0.50	ug/g	4.5	30
7040099	Acid Extractable Lead (Pb)	2020/11/05	98	75 - 125	100	80 - 120	<1.0	ug/g	4.8	30
7040099	Acid Extractable Molybdenum (Mo)	2020/11/05	104	75 - 125	102	80 - 120	<0.50	ug/g	1.7	30
7040099	Acid Extractable Nickel (Ni)	2020/11/05	NC	75 - 125	102	80 - 120	<0.50	ug/g	8.9	30
7040099	Acid Extractable Selenium (Se)	2020/11/05	108	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
7040099	Acid Extractable Silver (Ag)	2020/11/05	103	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7040099	Acid Extractable Thallium (Tl)	2020/11/05	100	75 - 125	99	80 - 120	<0.050	ug/g	1.2	30
7040099	Acid Extractable Uranium (U)	2020/11/05	102	75 - 125	100	80 - 120	<0.050	ug/g	0.90	30
7040099	Acid Extractable Vanadium (V)	2020/11/05	NC	75 - 125	102	80 - 120	<5.0	ug/g	3.2	30
7040099	Acid Extractable Zinc (Zn)	2020/11/05	NC	75 - 125	106	80 - 120	<5.0	ug/g	3.9	30
7042109	Available (CaCl2) pH	2020/11/06			100	97 - 103			0.0013	N/A
7042852	a-Chlordane	2020/11/07	85	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40



BUREAU
VERITAS

BV Labs Job #: C0S8776

Report Date: 2020/11/09

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7042852	Aldrin	2020/11/07	77	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
7042852	Dieldrin	2020/11/07	101	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7042852	Endosulfan I (alpha)	2020/11/07	79	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7042852	Endosulfan II (beta)	2020/11/07	79	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
7042852	Endrin	2020/11/07	93	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7042852	g-Chlordane	2020/11/07	102	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7042852	Heptachlor epoxide	2020/11/07	82	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7042852	Heptachlor	2020/11/07	80	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
7042852	Hexachlorobenzene	2020/11/07	76	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7042852	Hexachlorobutadiene	2020/11/07	75	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
7042852	Hexachloroethane	2020/11/07	56	50 - 130	58	50 - 130	<0.0020	ug/g	NC	40
7042852	Lindane	2020/11/07	73	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
7042852	Methoxychlor	2020/11/07	95	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
7042852	o,p-DDD	2020/11/07	96	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40
7042852	o,p-DDE	2020/11/07	86	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7042852	o,p-DDT	2020/11/07	111	50 - 130	105	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDD	2020/11/07	94	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDE	2020/11/07	102	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDT	2020/11/07	94	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times \text{RDL}$).



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COS8776
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bv-labs.com

Page 1 of 1

30-Oct-20 17:15

Ronkin Gracian

C0S8776

e Only:

Bottle Order #:

798557

Project Manager:

Ronkin Gracian

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Duration #: B90004			
Attention: Accounts Payable	Attention: Monique Gyba	P.O. #:			
Address: 520 Bingham Centre Dr	Address: 123 St George St, London, ON	Project: 47477-200			
Kitchener ON N2B 3X9		Project Name:			
Tel: (519) 743-6500	Tel: (519) 204-6510	Site #:			
Fax: (519) 743-6513	Fax: Mgyba@mte85.com	Sampled By: Mackenzie Costello			
Email: accounting@mte85.com					

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY

Regulation 153 (2011)		Other Regulations		Special Instructions	
☐ Table 1	☐ Res/Park	☐ Medium/Fine	☐ CCME	☐ Sanitary Sewer Bylaw	
☐ Table 2	☐ Ind/Comm	☐ Coarse	☐ Reg 558	☐ Storm Sewer Bylaw	
☐ Table 3	☐ Agri/Other	☐ For RSC	☐ MISA	☐ Municipality	
☐ Table			☐ PWQO	☐ Reg 406 Table	
☐ Other:			☐ Other:		

Include Criteria on Certificate of Analysis (Y/N)?

Sample Barcode Label	Sample Location Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr / VI	Analysis Requested (Please be Specific)	# of Boxes	Comments
1	BH110-20 075 2	20/10/30	8:03	Soil	On hold	metals Asbestos pH DOCs PTC VOC	1	Limited Sample
2	BH110-20 25 45		8:07				1	
3	BH110-20 5-7		8:13				1	
4	MW101-20 0A-2		9:55				1	
5	MW101-20 0A-2		8:55				1	
6	MW101-20 25 45		9:58				1	
7	MW101-20 5-7		10:03				1	
8	MW101-20 10-12		10:36				3	
9	MW101-20 17 3		11:25				4	
10								

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Mackenzie Costello	20/10/30	15:30	[Signature]	20/10/30	17:15		Time Sensitive	Temperature (°C) on 100	Custody Seal	Yes	No
								31.3	Intact		

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.



Your Project #: 47477-200
Your C.O.C. #: 799830-01-01, 153053, 153052

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/11

Report #: R6406903

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: COT1804

Received: 2020/11/03, 17:19

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	3	N/A	2020/11/07	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	3	2020/11/08	2020/11/09	CAM SOP-00316	CCME CWS m
Strong Acid Leachable Metals by ICPMS	5	2020/11/06	2020/11/09	CAM SOP-00447	EPA 6020B m
Moisture	1	N/A	2020/11/11	CAM SOP-00445	Carter 2nd ed 51.2 m
Moisture	4	N/A	2020/11/05	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (3)	3	2020/11/09	2020/11/10	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	3	N/A	2020/11/06	CAM SOP-00307	EPA 8081/8082 m
pH CaCl ₂ EXTRACT	2	2020/11/10	2020/11/10	CAM SOP-00413	EPA 9045 D m
pH CaCl ₂ EXTRACT	2	2020/11/10	2020/11/11	CAM SOP-00413	EPA 9045 D m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta



Your Project #: 47477-200
Your C.O.C. #: 799830-01-01, 153053, 153052

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/11
Report #: R6406903
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: COT1804

Received: 2020/11/03, 17:19

Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(3) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Ronklin Gracian
Project Manager
11 Nov 2020 15:39:33

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OBL997	OBM003	OBM011	OBM017	OBM020		
Sampling Date			2020/11/03 14:00	2020/11/03 15:30	2020/11/03 08:55	2020/11/03 09:50	2020/11/03 10:40		
COC Number			799830-01-01	799830-01-01	153053	153053	153052		
	UNITS	Criteria	BH114-20 0-2	BH122-20 0-2	BH135-20 0-2	BH141-20 0-2	BH142-20 0-2	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	<0.20	0.22	<0.20	0.20	7043153
Acid Extractable Arsenic (As)	ug/g	18	3.3	4.2	5.0	4.0	4.2	1.0	7043153
Acid Extractable Barium (Ba)	ug/g	220	69	48	49	69	94	0.50	7043153
Acid Extractable Beryllium (Be)	ug/g	2.5	0.65	0.55	0.52	0.57	0.87	0.20	7043153
Acid Extractable Boron (B)	ug/g	36	<5.0	5.2	5.7	<5.0	7.1	5.0	7043153
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.16	0.12	<0.10	0.13	0.13	0.10	7043153
Acid Extractable Chromium (Cr)	ug/g	70	20	17	17	19	27	1.0	7043153
Acid Extractable Cobalt (Co)	ug/g	21	9.3	9.2	11	8.8	12	0.10	7043153
Acid Extractable Copper (Cu)	ug/g	92	21	22	33	25	27	0.50	7043153
Acid Extractable Lead (Pb)	ug/g	120	10	7.1	8.0	18	15	1.0	7043153
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	<0.50	0.53	<0.50	0.50	7043153
Acid Extractable Nickel (Ni)	ug/g	82	18	20	21	17	24	0.50	7043153
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7043153
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7043153
Acid Extractable Thallium (Tl)	ug/g	1	0.14	0.12	0.10	0.096	0.15	0.050	7043153
Acid Extractable Uranium (U)	ug/g	2.5	0.46	0.41	0.38	0.45	0.52	0.050	7043153
Acid Extractable Vanadium (V)	ug/g	86	31	26	24	27	37	5.0	7043153
Acid Extractable Zinc (Zn)	ug/g	290	55	49	49	67	61	5.0	7043153
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)									
Table 1: Full Depth Background Site Condition Standards									
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use									

BUREAU
VERITASBV Labs Job #: COT1804
Report Date: 2020/11/11MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP**O.REG 153 OC PESTICIDES (SOIL)**

BV Labs ID			OBL997	OBM003			OBM003		
Sampling Date			2020/11/03 14:00	2020/11/03 15:30			2020/11/03 15:30		
COC Number			799830-01-01	799830-01-01			799830-01-01		
	UNITS	Criteria	BH114-20 0-2	BH122-20 0-2	RDL	QC Batch	BH122-20 0-2 Lab-Dup	RDL	QC Batch
Inorganics									
Moisture	%	-	17	16	1.0	7040659			
Calculated Parameters									
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	0.0020	7039733			
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	0.0020	7039733			
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	0.0020	7039733			
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	0.0020	7039733			
Total Endosulfan	ug/g	-	<0.0020	<0.0020	0.0020	7039733			
Pesticides & Herbicides									
Aldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Dieldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Lindane	ug/g	0.01	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Endrin	ug/g	0.04	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Heptachlor	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	0.0020	7046422	<0.0020	0.0020	7046422
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
Lab-Dup = Laboratory Initiated Duplicate									
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)									
Table 1: Full Depth Background Site Condition Standards									
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use									

**O.REG 153 OC PESTICIDES (SOIL)**

BV Labs ID			OBL997	OBM003			OBM003		
Sampling Date			2020/11/03 14:00	2020/11/03 15:30			2020/11/03 15:30		
COC Number			799830-01-01	799830-01-01			799830-01-01		
	UNITS	Criteria	BH114-20 0-2	BH122-20 0-2	RDL	QC Batch	BH122-20 0-2 Lab-Dup	RDL	QC Batch
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	0.0050	7046422	<0.0050	0.0050	7046422
Surrogate Recovery (%)									
2,4,5,6-Tetrachloro-m-xylene	%	-	111	107		7046422	104		7046422
Decachlorobiphenyl	%	-	94	82		7046422	98		7046422
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
Lab-Dup = Laboratory Initiated Duplicate									
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)									
Table 1: Full Depth Background Site Condition Standards									
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use									



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBM017		
Sampling Date			2020/11/03 09:50		
COC Number			153053		
	UNITS	Criteria	BH141-20 0-2	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7039733
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7039733
o,p-DDE + p,p-DDE	ug/g	-	0.0040	0.0020	7039733
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7039733
Total Endosulfan	ug/g	-	<0.0020	0.0020	7039733
Pesticides & Herbicides					
Aldrin	ug/g	0.05	<0.0020	0.0020	7046422
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7046422
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7046422
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7046422
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7046422
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7046422
p,p-DDE	ug/g	0.05	0.0040	0.0020	7046422
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7046422
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7046422
Dieldrin	ug/g	0.05	<0.0020	0.0020	7046422
Lindane	ug/g	0.01	<0.0020	0.0020	7046422
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7046422
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7046422
Endrin	ug/g	0.04	<0.0020	0.0020	7046422
Heptachlor	ug/g	0.05	<0.0020	0.0020	7046422
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7046422
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7046422
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7046422
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7046422
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7046422
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community					
Property Use					



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBM017		
Sampling Date			2020/11/03 09:50		
COC Number			153053		
	UNITS	Criteria	BH141-20 0-2	RDL	QC Batch
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	115		7046422
Decachlorobiphenyl	%	-	84		7046422
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community					
Property Use					

BUREAU
VERITASBV Labs Job #: COT1804
Report Date: 2020/11/11MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP**O.REG 153 PHCS, BTEX/F1-F4 (SOIL)**

BV Labs ID			OBM011			OBM017			OBM017		
Sampling Date			2020/11/03 08:55			2020/11/03 09:50			2020/11/03 09:50		
COC Number			153053			153053			153053		
	UNITS	Criteria	BH135-20 0-2	RDL	QC Batch	BH141-20 0-2	RDL	QC Batch	BH141-20 0-2 Lab-Dup	RDL	QC Batch

Inorganics											
Moisture	%	-				14	1.0	7041053			
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.02	<0.020	0.020	7044247	<0.020	0.020	7044247	<0.020	0.020	7044247
Toluene	ug/g	0.2	<0.020	0.020	7044247	<0.020	0.020	7044247	<0.020	0.020	7044247
Ethylbenzene	ug/g	0.05	<0.020	0.020	7044247	<0.020	0.020	7044247	<0.020	0.020	7044247
o-Xylene	ug/g	-	<0.020	0.020	7044247	<0.020	0.020	7044247	<0.020	0.020	7044247
p+m-Xylene	ug/g	-	<0.040	0.040	7044247	<0.040	0.040	7044247	<0.040	0.040	7044247
Total Xylenes	ug/g	0.05	<0.040	0.040	7044247	<0.040	0.040	7044247	<0.040	0.040	7044247
F1 (C6-C10)	ug/g	25	<10	10	7044247	<10	10	7044247	<10	10	7044247
F1 (C6-C10) - BTEX	ug/g	25	<10	10	7044247	<10	10	7044247	<10	10	7044247
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	7045010	<10	10	7045010			
F3 (C16-C34 Hydrocarbons)	ug/g	240	<50	50	7045010	<50	50	7045010			
F4 (C34-C50 Hydrocarbons)	ug/g	120	<50	50	7045010	<50	50	7045010			
Reached Baseline at C50	ug/g	-	Yes		7045010	Yes		7045010			
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	102		7044247	103		7044247	102		7044247
4-Bromofluorobenzene	%	-	93		7044247	94		7044247	91		7044247
D10-o-Xylene	%	-	99		7044247	100		7044247	98		7044247
D4-1,2-Dichloroethane	%	-	95		7044247	93		7044247	93		7044247
o-Terphenyl	%	-	92		7045010	87		7045010			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 1: Full Depth Background Site Condition Standards

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

BUREAU
VERITASBV Labs Job #: COT1804
Report Date: 2020/11/11MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP**O.REG 153 PHCS, BTEX/F1-F4 (SOIL)**

BV Labs ID			OBM020		
Sampling Date			2020/11/03 10:40		
COC Number			153052		
	UNITS	Criteria	BH142-20 0-2	RDL	QC Batch
Inorganics					
Moisture	%	-	14	1.0	7040659
BTEX & F1 Hydrocarbons					
Benzene	ug/g	0.02	<0.020	0.020	7044247
Toluene	ug/g	0.2	<0.020	0.020	7044247
Ethylbenzene	ug/g	0.05	<0.020	0.020	7044247
o-Xylene	ug/g	-	<0.020	0.020	7044247
p+m-Xylene	ug/g	-	<0.040	0.040	7044247
Total Xylenes	ug/g	0.05	<0.040	0.040	7044247
F1 (C6-C10)	ug/g	25	<10	10	7044247
F1 (C6-C10) - BTEX	ug/g	25	<10	10	7044247
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	7045010
F3 (C16-C34 Hydrocarbons)	ug/g	240	<50	50	7045010
F4 (C34-C50 Hydrocarbons)	ug/g	120	<50	50	7045010
Reached Baseline at C50	ug/g	-	Yes		7045010
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	-	102		7044247
4-Bromofluorobenzene	%	-	93		7044247
D10-o-Xylene	%	-	100		7044247
D4-1,2-Dichloroethane	%	-	95		7044247
o-Terphenyl	%	-	90		7045010
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community					
Property Use					



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OBL997		OBM003		OBM011			OBM017	
Sampling Date		2020/11/03 14:00		2020/11/03 15:30		2020/11/03 08:55			2020/11/03 09:50	
COC Number		799830-01-01		799830-01-01		153053			153053	
	UNITS	BH114-20 0-2	QC Batch	BH122-20 0-2	QC Batch	BH135-20 0-2	RDL	QC Batch	BH141-20 0-2	QC Batch
Inorganics										
Moisture	%					9.4	1.0	7050258		
Available (CaCl ₂) pH	pH	6.89	7048895	7.57	7048412	7.68		7048412	7.11	7048895
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

TEST SUMMARY

BV Labs ID: OBL997
Sample ID: BH114-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7043153	2020/11/06	2020/11/09	Daniel Teclu
Moisture	BAL	7040659	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048895	2020/11/10	2020/11/11	Surinder Rai

BV Labs ID: OBM003
Sample ID: BH122-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7043153	2020/11/06	2020/11/09	Daniel Teclu
Moisture	BAL	7040659	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048412	2020/11/10	2020/11/10	Neil Dassanayake

BV Labs ID: OBM003 Dup
Sample ID: BH122-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng

BV Labs ID: OBM011
Sample ID: BH135-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7044247	N/A	2020/11/07	Joe Paino
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7045010	2020/11/08	2020/11/09	Ksenia Trofimova
Strong Acid Leachable Metals by ICPMS	ICP/MS	7043153	2020/11/06	2020/11/09	Daniel Teclu
Moisture	BAL	7050258	N/A	2020/11/11	Min Yang
pH CaCl2 EXTRACT	AT	7048412	2020/11/10	2020/11/10	Neil Dassanayake

BV Labs ID: OBM017
Sample ID: BH141-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7044247	N/A	2020/11/07	Joe Paino
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7045010	2020/11/08	2020/11/09	Ksenia Trofimova
Strong Acid Leachable Metals by ICPMS	ICP/MS	7043153	2020/11/06	2020/11/09	Daniel Teclu
Moisture	BAL	7041053	N/A	2020/11/05	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk



BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

TEST SUMMARY

BV Labs ID: OBM017
Sample ID: BH141-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	7048895	2020/11/10	2020/11/11	Surinder Rai

BV Labs ID: OBM017 Dup
Sample ID: BH141-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7044247	N/A	2020/11/07	Joe Paino

BV Labs ID: OBM020
Sample ID: BH142-20 0-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/03

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7044247	N/A	2020/11/07	Joe Paino
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7045010	2020/11/08	2020/11/09	Ksenia Trofimova
Strong Acid Leachable Metals by ICPMS	ICP/MS	7043153	2020/11/06	2020/11/09	Daniel Teclu
Moisture	BAL	7040659	N/A	2020/11/05	Gurpreet Kaur (ONT)



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.3°C
-----------	-------

Sample OBM011 [BH135-20 0-2] : F1-BTEX Analysis: Results were calculated on wet weight basis.

F2-F4 Analysis: Results were calculated on wet weight basis.

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: COT1804

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7044247	1,4-Difluorobenzene	2020/11/07	106	60 - 140	106	60 - 140	103	%		
7044247	4-Bromofluorobenzene	2020/11/07	95	60 - 140	95	60 - 140	93	%		
7044247	D10-o-Xylene	2020/11/07	98	60 - 140	94	60 - 140	97	%		
7044247	D4-1,2-Dichloroethane	2020/11/07	99	60 - 140	102	60 - 140	92	%		
7045010	o-Terphenyl	2020/11/09	84	60 - 130	87	60 - 130	92	%		
7046422	2,4,5,6-Tetrachloro-m-xylene	2020/11/10	118	50 - 130	115	50 - 130	115	%		
7046422	Decachlorobiphenyl	2020/11/10	101	50 - 130	95	50 - 130	97	%		
7040659	Moisture	2020/11/05							3.2	20
7041053	Moisture	2020/11/05							1.4	20
7043153	Acid Extractable Antimony (Sb)	2020/11/09	93	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
7043153	Acid Extractable Arsenic (As)	2020/11/09	105	75 - 125	100	80 - 120	<1.0	ug/g	0.39	30
7043153	Acid Extractable Barium (Ba)	2020/11/09	NC	75 - 125	101	80 - 120	<0.50	ug/g	1.6	30
7043153	Acid Extractable Beryllium (Be)	2020/11/09	106	75 - 125	97	80 - 120	<0.20	ug/g	3.7	30
7043153	Acid Extractable Boron (B)	2020/11/09	96	75 - 125	95	80 - 120	<5.0	ug/g	NC	30
7043153	Acid Extractable Cadmium (Cd)	2020/11/09	103	75 - 125	97	80 - 120	<0.10	ug/g	6.6	30
7043153	Acid Extractable Chromium (Cr)	2020/11/09	108	75 - 125	104	80 - 120	<1.0	ug/g	3.8	30
7043153	Acid Extractable Cobalt (Co)	2020/11/09	110	75 - 125	103	80 - 120	<0.10	ug/g	0.75	30
7043153	Acid Extractable Copper (Cu)	2020/11/09	NC	75 - 125	102	80 - 120	<0.50	ug/g	2.3	30
7043153	Acid Extractable Lead (Pb)	2020/11/09	106	75 - 125	100	80 - 120	<1.0	ug/g	0.68	30
7043153	Acid Extractable Molybdenum (Mo)	2020/11/09	102	75 - 125	101	80 - 120	<0.50	ug/g	3.5	30
7043153	Acid Extractable Nickel (Ni)	2020/11/09	110	75 - 125	104	80 - 120	<0.50	ug/g	2.9	30
7043153	Acid Extractable Selenium (Se)	2020/11/09	109	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
7043153	Acid Extractable Silver (Ag)	2020/11/09	104	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
7043153	Acid Extractable Thallium (Tl)	2020/11/09	104	75 - 125	98	80 - 120	<0.050	ug/g	5.4	30
7043153	Acid Extractable Uranium (U)	2020/11/09	99	75 - 125	93	80 - 120	<0.050	ug/g	5.0	30
7043153	Acid Extractable Vanadium (V)	2020/11/09	NC	75 - 125	104	80 - 120	<5.0	ug/g	1.4	30
7043153	Acid Extractable Zinc (Zn)	2020/11/09	NC	75 - 125	101	80 - 120	<5.0	ug/g	0.82	30
7044247	Benzene	2020/11/07	113	50 - 140	109	50 - 140	<0.020	ug/g	NC	50
7044247	Ethylbenzene	2020/11/07	112	50 - 140	106	50 - 140	<0.020	ug/g	NC	50
7044247	F1 (C6-C10) - BTEX	2020/11/07					<10	ug/g	NC	30
7044247	F1 (C6-C10)	2020/11/07	85	60 - 140	92	80 - 120	<10	ug/g	NC	30

BUREAU
VERITAS

BV Labs Job #: COT1804

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7044247	o-Xylene	2020/11/07	106	50 - 140	102	50 - 140	<0.020	ug/g	NC	50
7044247	p+m-Xylene	2020/11/07	115	50 - 140	108	50 - 140	<0.040	ug/g	NC	50
7044247	Toluene	2020/11/07	106	50 - 140	101	50 - 140	<0.020	ug/g	NC	50
7044247	Total Xylenes	2020/11/07					<0.040	ug/g	NC	50
7045010	F2 (C10-C16 Hydrocarbons)	2020/11/09	118	50 - 130	89	80 - 120	<10	ug/g	57 (2)	30
7045010	F3 (C16-C34 Hydrocarbons)	2020/11/09	NC (1)	50 - 130	99	80 - 120	<50	ug/g	60 (2)	30
7045010	F4 (C34-C50 Hydrocarbons)	2020/11/09	129	50 - 130	97	80 - 120	<50	ug/g	59 (2)	30
7046422	a-Chlordane	2020/11/10	81	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
7046422	Aldrin	2020/11/10	76	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7046422	Dieldrin	2020/11/10	120	50 - 130	125	50 - 130	<0.0020	ug/g	NC	40
7046422	Endosulfan I (alpha)	2020/11/10	111	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
7046422	Endosulfan II (beta)	2020/11/10	91	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7046422	Endrin	2020/11/10	109	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
7046422	g-Chlordane	2020/11/10	99	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
7046422	Heptachlor epoxide	2020/11/10	102	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
7046422	Heptachlor	2020/11/10	81	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachlorobenzene	2020/11/10	79	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachlorobutadiene	2020/11/10	85	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachloroethane	2020/11/10	63	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7046422	Lindane	2020/11/10	78	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
7046422	Methoxychlor	2020/11/10	102	50 - 130	105	50 - 130	<0.0050	ug/g	NC	40
7046422	o,p-DDD	2020/11/10	91	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7046422	o,p-DDE	2020/11/10	78	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7046422	o,p-DDT	2020/11/10	96	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDD	2020/11/10	93	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDE	2020/11/10	103	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDT	2020/11/10	103	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7048412	Available (CaCl ₂) pH	2020/11/10			100	97 - 103			0.92	N/A
7048895	Available (CaCl ₂) pH	2020/11/11			100	97 - 103			0.30	N/A



BUREAU
VERITAS

BV Labs Job #: COT1804

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7050258	Moisture	2020/11/11							3.5	20
N/A = Not Applicable Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement. Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference. Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy. Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination. Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency. NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration) NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times \text{RDL}$). (1) Matrix Spiked recoveries were not calculated (NC) because of high concentration of target compounds in the parent sample. The relative difference between the spiked and un-spiked concentrations is not sufficiently significant to permit a reliable recovery calculation (where contractual obligations are not implied) (2) Duplicate results exceeded RPD acceptance criteria for flagged analytes. The sample was reanalyzed with the same results. This is likely due to sample heterogeneity.										



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).




Ewa Pranjić, M.Sc., C.Chem, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

153053

Page 2 of 3

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: MTE Consultants	Company Name:	Quotation #:	☒ Regular TAT (5-7 days) Most analyses				
Contact Name: Accounts Payable	Contact Name: Monique Gysin	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS				
Address: 520 Birminghams Ave W Kitchener	Address:	Project #: 47477-300	Rush TAT (Surcharges will be applied)				
Phone: 519 743 6500 Fax: 519 743 6513	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days				
Email: accounting@mk85.com	Email: mgysin@mk85.com	Site #:	Date Required:				
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Site Location Province:	Rush Confirmation #:				
Regulation 153		Analysis Requested		LABORATORY USE ONLY			
☐ Table 1 ☐ Res/Park ☐ Med/ Fine	☐ CCME ☐ Sanitary Sewer Bylaw	# OF CONTAINERS SUBMITTED		CUSTODY SEAL Y / N			
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ MISA ☐ Storm Sewer Bylaw			Present	Intact		
☐ Table 3 ☐ Agri/ Other	☐ PWQO Region			COOLER TEMPERATURES			
☐ Table _____	☐ Other (Specify)						
FOR RSC (PLEASE CIRCLE) Y / N	☐ REG 558 (MIN. 3 DAY TAT REQUIRED)						
☐ REG 406 Table _____		REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)		CODING MEDIA PRESENT: Y / N			
Include Criteria on Certificate of Analysis: Y / N		HOLD- DO NOT ANALYZE		COMMENTS			
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS							
SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX				
1 BH128-20 2.5-4.5	2020/11/03	1300	Soil	X			
2 ↓ 5-7	↓	1305	↓	↓			
3 BH135-20 0-2	↓	855	3				
4 ↓ 2.5-4.5	↓	900	↓				
5 ↓ 5-7	↓	905	↓				
6 BH136-20 0-2	↓	1120	↓				
7 ↓ 2.5-4.5	↓	1125	↓				
8 ↓ 5-7	↓	1130	↓				
9 BH141-20 0-2	↓	950	↓				
10 ↓ 2.5-4.5	↓	955	↓				
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #	
APM/H10	2020/11/03	1715	See page 1				

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <http://www.bvlab.com/terms-and-conditions>



6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD **153052** Page 3 of 3

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: <u>MTE Consultants</u>	Company Name: <u>MTE Consultants</u>	Quotation #: <u>4747-300</u>	☒ Regular TAT (5-7 days) Most analyses				
Contact Name: <u>Accounts Payable</u>	Contact Name: <u>Marlene Gyles</u>	P.O. #/ AFE#: <u>4747-300</u>	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS				
Address: <u>520 Birmans Centre Dr</u>	Address: <u>Kitchener</u>	Site Location: <u>4747-300</u>	Rush TAT (Surcharges will be applied)				
Phone: <u>519 743 6513</u>	Phone: <u>519 743 6513</u>	Site #: <u>ADP</u>	☐ 1 Day ☐ 2 Days ☐ 3-4 Days				
Email: <u>accounting@mtc85.com</u>	Email: <u>mtc85.com</u>	Site Location Province: <u>ADP</u>	Date Required: <u>ADP</u>				
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Sampled By: <u>ADP</u>	Rush Confirmation #:				
Regulation 153 ☐ Table 1 ☐ Res/Park ☐ Med/ Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/ Other ☐ Table <u> </u> FOR RSC (PLEASE CIRCLE) Y / N		Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ MISA ☐ Storm Sewer Bylaw ☐ PWQO ☐ Region <u> </u> ☐ Other (Specify) <u> </u> ☐ REG 558 (MIN. 3 DAY TAT REQUIRED) ☐ REG 406 Table <u> </u>		Analysis Requested		LABORATORY USE ONLY	
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS		CUSTODY SEAL Y / N		COOLER TEMPERATURES	
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	COOLING MEDIA PRESENT: Y / N
1 BH141-20 5-7		2020/11/03	1000	Soil	3		
2 BH142-20 0-2			1040				
3 BH143-20 0-2			1040				
4 BH144-20 2.5-4.5			1045				
5 ↓ 5-7			1050				
6							
7							
8							
9							
10							
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)
<u>[Signature]</u>		2020/11/03	1715	<u>See page 1</u>			
BV JOB #							

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <http://www.bvlabs.com/terms-and-conditions>

COC-1004 (06/19)

White: BV Labs - Yellow: Client



BUREAU
VERITAS

BV Labs Job #: COT1804
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



6740 Campbell Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD 153053 Page 2 of 3

Invoice Information		Report Information (if differs from Invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: MTE Consultants	Company Name: Monique Gaybor	Quotation #: 42477-300	☒ Regular TAT (5-7 days) Most analyses				
Contact Name: Accounts Payable	Contact Name: Monique Gaybor	P.O. # / A/E #: 42477-300	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS				
Address: 570 Brimley Ave. W. #100	Address: Kitchener	Site Location: AOP	Rush TAT (Surcharges will be applied)				
Phone: 519 743 6500 Fax: 519 743 6513	Phone: Fax:	Site #:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days				
Email: al.com@bureauveritas.com	Email: max@metres85.com	Site Location Province:	Date Required:				
MTE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Sampled By: AOP	Rush Confirmation #:				
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY	
☐ Table 1 ☐ Res/Park ☐ Med/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/ Other ☐ Table 4 FOR RSC (PLEASE CIRCLE) Y / N		☐ CCME ☐ Sanitary Sewer Bylaw ☐ MISA ☐ Storm Sewer Bylaw ☐ PWQO ☐ Region ☐ Other (Specify) ☐ REG 558 (MIN. 3 DAY TAT REQUIRED) ☐ REG 406 Table		Metals / mg / L FIELD FILTERED (CIRCLE) Metals / mg / L BTEX / PHE / PAH PHG / PAH VOCs REG 153 METALS & INORGANICS REG 153 CPMS METALS REG 153 METALS (Mg, Cr, V, CPMS Metals, HWS, B) metals As Sb Se OC pH		CUSTODY SEAL Y / N Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT: Y / N	
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS				COMMENTS	
SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / mg / L	DO NOT ANALYZE	
1 B1178-20 2.5-4.5	0020/11/03	1300	Soil	1			X
2 ↓ 5-7		1305		↓			
3 B1135-20 0-2		855		3	XX	X	X
4 ↓ 2.5-4.5		900					
5 ↓ 5-7		905					
6 B1136-20 0-2		1130					
7 ↓ 2.5-4.5		1135					
8 ↓ 5-7		1140					
9 B1141-20 0-2		950			XX	XXX	
10 ↓ 2.5-4.5		955					
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #	
APinH/10	0020/11/03	1715	See page 1				

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <http://www.bvlabs.com/terms-and-conditions>



6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCO-01191/6

CHAIN OF CUSTODY RECORD 153052 Page 3 of 3

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: MTE Consultants	Company Name:	Company Name: Mainline Gylan	Company Name:	Quotation #:		☒ Regular TAT (5-7 days) Most analyses	
Contact Name: Accounts Payable	Contact Name:	Contact Name:	Contact Name:	P.O. #/ A/E#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS	
Address: 520 Birmmms Centre Dr Kitchener	Address:	Address:	Address:	Project #:	47477-300	Rush TAT (Surcharges will be applied)	
Phone: 519 743 6800 ext. 519 743 6513	Phone:	Phone:	Phone:	Site Location:		☐ 1 Day ☐ 2 Days ☐ 3-4 Days	
Email: accounting@mte85.com	Email:	Email: mte85.com	Email:	Site #:		Date Required:	
MTE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY				Site Location Province:		Rush Confirmation #:	
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY	
☐ Table 1 ☐ Res/Park ☐ Med/ Fine	☐ CCME ☐ Sanitary Sewer Bylaw					CUSTODY SEAL Y / N	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ MISA ☐ Storm Sewer Bylaw					Present Intact	
☐ Table 3 ☐ Agri/ Other	☐ PWQO ☐ Region						
☐ Table ☐ Other (Specify)	☐ REG 558 (MIN. 3 DAY TAT REQUIRED)						
FOR RSC (PLEASE CIRCLE) Y / N	☐ REG 406 Table						
Include Criteria on Certificate of Analysis: Y / N						COOLING MEDIA PRESENT: Y / N	
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS						COMMENTS	
SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	NO OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / Cu / Pb	PHEN / PHC / TE	PHCS / P2 / P3
1 BH141-20 5-7	2020/11/03	10:50	50.1	3			
2 BH142-20 0-2		10:40				XX	
3 BH142-20 0-2		10:40					
4 BH142-20 2.5-4.5		10:45					
5 ↓ 5-7		10:50					
6							
7							
8							
9							
10							
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
[Signature]	2020/11/03	17:15	See page 1				

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <http://www.bvlabs.com/terms-and-conditions>

COC-1004 (06/19)

White: BV Labs - Yellow: Client



Your Project #: 47477-200
Your C.O.C. #: NA

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/13
Report #: R6409959
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: COT2774

Received: 2020/11/04, 16:43

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Strong Acid Leachable Metals by ICPMS	1	2020/11/11	2020/11/11	CAM SOP-00447	EPA 6020B m
Strong Acid Leachable Metals by ICPMS	1	2020/11/12	2020/11/12	CAM SOP-00447	EPA 6020B m
Moisture	2	N/A	2020/11/10	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	2	2020/11/11	2020/11/12	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	2	N/A	2020/11/11	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	2	2020/11/12	2020/11/12	CAM SOP-00413	EPA 9045 D m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200
Your C.O.C. #: NA

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/13
Report #: R6409959
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0T2774

Received: 2020/11/04, 16:43

Encryption Key

Ronklin Gracian
Project Manager
13 Nov 2020 14:04:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OBR071		OBR074		
Sampling Date			2020/11/04 14:42		2020/11/04 10:50		
COC Number			NA		NA		
	UNITS	Criteria	MW103-20 0.7-2	QC Batch	MW104-20 0-2	RDL	QC Batch
Metals							
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	7051172	<0.20	0.20	7052063
Acid Extractable Arsenic (As)	ug/g	18	6.4	7051172	4.5	1.0	7052063
Acid Extractable Barium (Ba)	ug/g	220	80	7051172	68	0.50	7052063
Acid Extractable Beryllium (Be)	ug/g	2.5	0.99	7051172	0.70	0.20	7052063
Acid Extractable Boron (B)	ug/g	36	7.3	7051172	<5.0	5.0	7052063
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	7051172	0.17	0.10	7052063
Acid Extractable Chromium (Cr)	ug/g	70	25	7051172	20	1.0	7052063
Acid Extractable Cobalt (Co)	ug/g	21	13	7051172	8.7	0.10	7052063
Acid Extractable Copper (Cu)	ug/g	92	41	7051172	26	0.50	7052063
Acid Extractable Lead (Pb)	ug/g	120	11	7051172	10	1.0	7052063
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	7051172	<0.50	0.50	7052063
Acid Extractable Nickel (Ni)	ug/g	82	28	7051172	19	0.50	7052063
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	7051172	<0.50	0.50	7052063
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	7051172	<0.20	0.20	7052063
Acid Extractable Thallium (Tl)	ug/g	1	0.18	7051172	0.12	0.050	7052063
Acid Extractable Uranium (U)	ug/g	2.5	0.54	7051172	0.54	0.050	7052063
Acid Extractable Vanadium (V)	ug/g	86	35	7051172	30	5.0	7052063
Acid Extractable Zinc (Zn)	ug/g	290	61	7051172	65	5.0	7052063
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)							
Table 1: Full Depth Background Site Condition Standards							
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use							

BUREAU
VERITASBV Labs Job #: COT2774
Report Date: 2020/11/13MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP**O.REG 153 OC PESTICIDES (SOIL)**

BV Labs ID			OBR071			OBR071		
Sampling Date			2020/11/04 14:42			2020/11/04 14:42		
COC Number			NA			NA		
	UNITS	Criteria	MW103-20 0.7-2	RDL	QC Batch	MW103-20 0.7-2 Lab-Dup	RDL	QC Batch

Inorganics								
Moisture	%	-	14	1.0	7049053	14	1.0	7049053

Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7045983			
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7045983			
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	7045983			
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7045983			
Total Endosulfan	ug/g	-	<0.0020	0.0020	7045983			

Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	0.0020	7051383			
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7051383			
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7051383			
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7051383			
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7051383			
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7051383			
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7051383			
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7051383			
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7051383			
Dieldrin	ug/g	0.05	<0.0020	0.0020	7051383			
Lindane	ug/g	0.01	<0.0020	0.0020	7051383			
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7051383			
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7051383			
Endrin	ug/g	0.04	<0.0020	0.0020	7051383			
Heptachlor	ug/g	0.05	<0.0020	0.0020	7051383			
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7051383			
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7051383			
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7051383			
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7051383			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 1: Full Depth Background Site Condition Standards

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBR071			OBR071		
Sampling Date			2020/11/04 14:42			2020/11/04 14:42		
COC Number			NA			NA		
	UNITS	Criteria	MW103-20 0.7-2	RDL	QC Batch	MW103-20 0.7-2 Lab-Dup	RDL	QC Batch
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7051383			
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	76		7051383			
Decachlorobiphenyl	%	-	95		7051383			
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
Lab-Dup = Laboratory Initiated Duplicate								
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)								
Table 1: Full Depth Background Site Condition Standards								
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use								

BUREAU
VERITASBV Labs Job #: COT2774
Report Date: 2020/11/13MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP**O.REG 153 OC PESTICIDES (SOIL)**

BV Labs ID			OBR074		
Sampling Date			2020/11/04 10:50		
COC Number			NA		
	UNITS	Criteria	MW104-20 0-2	RDL	QC Batch
Inorganics					
Moisture	%	-	17	1.0	7049053
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7045983
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7045983
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	7045983
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7045983
Total Endosulfan	ug/g	-	<0.0020	0.0020	7045983
Pesticides & Herbicides					
Aldrin	ug/g	0.05	<0.0020	0.0020	7051383
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7051383
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7051383
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7051383
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7051383
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7051383
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7051383
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7051383
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7051383
Dieldrin	ug/g	0.05	<0.0020	0.0020	7051383
Lindane	ug/g	0.01	<0.0020	0.0020	7051383
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7051383
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7051383
Endrin	ug/g	0.04	<0.0020	0.0020	7051383
Heptachlor	ug/g	0.05	<0.0020	0.0020	7051383
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7051383
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7051383
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7051383
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7051383
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community					
Property Use					



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBR074		
Sampling Date			2020/11/04 10:50		
COC Number			NA		
	UNITS	Criteria	MW104-20 0-2	RDL	QC Batch
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7051383
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	95		7051383
Decachlorobiphenyl	%	-	100		7051383
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community					
Property Use					



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OBR071	OBR071	OBR074	
Sampling Date		2020/11/04 14:42	2020/11/04 14:42	2020/11/04 10:50	
COC Number		NA	NA	NA	
	UNITS	MW103-20 0.7-2	MW103-20 0.7-2 Lab-Dup	MW104-20 0-2	QC Batch
Inorganics					
Available (CaCl ₂) pH	pH	7.38	7.49	7.36	7052605
QC Batch = Quality Control Batch					
Lab-Dup = Laboratory Initiated Duplicate					



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

TEST SUMMARY

BV Labs ID: OBR071
Sample ID: MW103-20 0.7-2
Matrix: Soil

Collected: 2020/11/04
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7051172	2020/11/11	2020/11/11	Daniel Teclu
Moisture	BAL	7049053	N/A	2020/11/10	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7051383	2020/11/11	2020/11/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7045983	N/A	2020/11/11	Automated Statchk
pH CaCl2 EXTRACT	AT	7052605	2020/11/12	2020/11/12	Neil Dassanayake

BV Labs ID: OBR071 Dup
Sample ID: MW103-20 0.7-2
Matrix: Soil

Collected: 2020/11/04
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	7049053	N/A	2020/11/10	Prgya Panchal
pH CaCl2 EXTRACT	AT	7052605	2020/11/12	2020/11/12	Neil Dassanayake

BV Labs ID: OBR074
Sample ID: MW104-20 0-2
Matrix: Soil

Collected: 2020/11/04
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7052063	2020/11/12	2020/11/12	Azita Fazaeli
Moisture	BAL	7049053	N/A	2020/11/10	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7051383	2020/11/11	2020/11/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7045983	N/A	2020/11/11	Automated Statchk
pH CaCl2 EXTRACT	AT	7052605	2020/11/12	2020/11/12	Neil Dassanayake



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.3°C
-----------	-------

Revised Report [2020/11/13]: Project number updated as per client request.

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: COT2774

Report Date: 2020/11/13

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7051383	2,4,5,6-Tetrachloro-m-xylene	2020/11/12	96	50 - 130	97	50 - 130	97	%		
7051383	Decachlorobiphenyl	2020/11/12	106	50 - 130	101	50 - 130	98	%		
7049053	Moisture	2020/11/10							5.8	20
7051172	Acid Extractable Antimony (Sb)	2020/11/11	97	75 - 125	101	80 - 120	<0.20	ug/g	0.71	30
7051172	Acid Extractable Arsenic (As)	2020/11/11	104	75 - 125	102	80 - 120	<1.0	ug/g	3.7	30
7051172	Acid Extractable Barium (Ba)	2020/11/11	NC	75 - 125	100	80 - 120	<0.50	ug/g	1.5	30
7051172	Acid Extractable Beryllium (Be)	2020/11/11	106	75 - 125	98	80 - 120	<0.20	ug/g	1.3	30
7051172	Acid Extractable Boron (B)	2020/11/11	97	75 - 125	96	80 - 120	<5.0	ug/g	5.8	30
7051172	Acid Extractable Cadmium (Cd)	2020/11/11	104	75 - 125	99	80 - 120	<0.10	ug/g	NC	30
7051172	Acid Extractable Chromium (Cr)	2020/11/11	102	75 - 125	100	80 - 120	<1.0	ug/g	4.8	30
7051172	Acid Extractable Cobalt (Co)	2020/11/11	100	75 - 125	100	80 - 120	<0.10	ug/g	0.12	30
7051172	Acid Extractable Copper (Cu)	2020/11/11	98	75 - 125	99	80 - 120	<0.50	ug/g	0.021	30
7051172	Acid Extractable Lead (Pb)	2020/11/11	102	75 - 125	101	80 - 120	<1.0	ug/g	0.066	30
7051172	Acid Extractable Molybdenum (Mo)	2020/11/11	104	75 - 125	101	80 - 120	<0.50	ug/g	NC	30
7051172	Acid Extractable Nickel (Ni)	2020/11/11	105	75 - 125	102	80 - 120	<0.50	ug/g	1.3	30
7051172	Acid Extractable Selenium (Se)	2020/11/11	106	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
7051172	Acid Extractable Silver (Ag)	2020/11/11	102	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7051172	Acid Extractable Thallium (Tl)	2020/11/11	103	75 - 125	100	80 - 120	<0.050	ug/g	5.6	30
7051172	Acid Extractable Uranium (U)	2020/11/11	102	75 - 125	96	80 - 120	<0.050	ug/g	2.8	30
7051172	Acid Extractable Vanadium (V)	2020/11/11	NC	75 - 125	100	80 - 120	<5.0	ug/g	2.0	30
7051172	Acid Extractable Zinc (Zn)	2020/11/11	NC	75 - 125	100	80 - 120	<5.0	ug/g	0.19	30
7051383	a-Chlordane	2020/11/12	101	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
7051383	Aldrin	2020/11/12	72	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7051383	Dieldrin	2020/11/12	123	50 - 130	116	50 - 130	<0.0020	ug/g	NC	40
7051383	Endosulfan I (alpha)	2020/11/12	85	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
7051383	Endosulfan II (beta)	2020/11/12	98	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40
7051383	Endrin	2020/11/12	111	50 - 130	105	50 - 130	<0.0020	ug/g	NC	40
7051383	g-Chlordane	2020/11/12	107	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40
7051383	Heptachlor epoxide	2020/11/12	104	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
7051383	Heptachlor	2020/11/12	76	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7051383	Hexachlorobenzene	2020/11/12	77	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40



BUREAU
VERITAS

BV Labs Job #: COT2774

Report Date: 2020/11/13

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7051383	Hexachlorobutadiene	2020/11/12	82	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7051383	Hexachloroethane	2020/11/12	61	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7051383	Lindane	2020/11/12	109	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7051383	Methoxychlor	2020/11/12	115	50 - 130	120	50 - 130	<0.0050	ug/g	NC	40
7051383	o,p-DDD	2020/11/12	119	50 - 130	115	50 - 130	<0.0020	ug/g	NC	40
7051383	o,p-DDE	2020/11/12	96	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
7051383	o,p-DDT	2020/11/12	91	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7051383	p,p-DDD	2020/11/12	116	50 - 130	112	50 - 130	<0.0020	ug/g	NC	40
7051383	p,p-DDE	2020/11/12	82	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7051383	p,p-DDT	2020/11/12	103	50 - 130	101	50 - 130	<0.0020	ug/g	NC	40
7052063	Acid Extractable Antimony (Sb)	2020/11/12	83	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
7052063	Acid Extractable Arsenic (As)	2020/11/12	91	75 - 125	96	80 - 120	<1.0	ug/g	17	30
7052063	Acid Extractable Barium (Ba)	2020/11/12	NC	75 - 125	101	80 - 120	<0.50	ug/g	1.2	30
7052063	Acid Extractable Beryllium (Be)	2020/11/12	96	75 - 125	99	80 - 120	<0.20	ug/g	3.1	30
7052063	Acid Extractable Boron (B)	2020/11/12	91	75 - 125	95	80 - 120	<5.0	ug/g	0.70	30
7052063	Acid Extractable Cadmium (Cd)	2020/11/12	95	75 - 125	98	80 - 120	<0.10	ug/g	8.2	30
7052063	Acid Extractable Chromium (Cr)	2020/11/12	100	75 - 125	99	80 - 120	<1.0	ug/g	1.1	30
7052063	Acid Extractable Cobalt (Co)	2020/11/12	97	75 - 125	100	80 - 120	<0.10	ug/g	4.4	30
7052063	Acid Extractable Copper (Cu)	2020/11/12	92	75 - 125	99	80 - 120	<0.50	ug/g	2.8	30
7052063	Acid Extractable Lead (Pb)	2020/11/12	92	75 - 125	98	80 - 120	<1.0	ug/g	2.5	30
7052063	Acid Extractable Molybdenum (Mo)	2020/11/12	95	75 - 125	101	80 - 120	<0.50	ug/g	8.6	30
7052063	Acid Extractable Nickel (Ni)	2020/11/12	NC	75 - 125	98	80 - 120	<0.50	ug/g	4.7	30
7052063	Acid Extractable Selenium (Se)	2020/11/12	98	75 - 125	105	80 - 120	<0.50	ug/g	NC	30
7052063	Acid Extractable Silver (Ag)	2020/11/12	94	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
7052063	Acid Extractable Thallium (Tl)	2020/11/12	92	75 - 125	98	80 - 120	<0.050	ug/g	6.5	30
7052063	Acid Extractable Uranium (U)	2020/11/12	92	75 - 125	98	80 - 120	<0.050	ug/g	3.8	30
7052063	Acid Extractable Vanadium (V)	2020/11/12	NC	75 - 125	100	80 - 120	<5.0	ug/g	0.16	30
7052063	Acid Extractable Zinc (Zn)	2020/11/12	NC	75 - 125	103	80 - 120	<5.0	ug/g	0.88	30



BUREAU
VERITAS

BV Labs Job #: COT2774

Report Date: 2020/11/13

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: AP

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7052605	Available (CaCl ₂) pH	2020/11/12			99	97 - 103			1.5	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

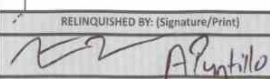
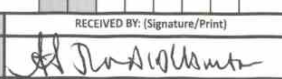
Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

Eva Pranjic, M.Sc., C.Chem, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



CHAIN OF CUSTODY RECORD 153236 Page 1 of 1

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: <u>MTE Consultants</u>		Company Name: <u>Monique Gaylin</u>		Quotation #: _____		☒ Regular TAT (5-7 days) Most analyses PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS	
Contact Name: <u>Accounts Payable</u>		Contact Name: _____		P.O. #/ AFR: _____		Rush TAT (Surcharges will be applied) ☐ 1 Day ☐ 2 Days ☐ 3-4 Days	
Address: <u>520 Bingham's Centre Dr</u>		Address: _____		Project #: <u>47477-300</u>		☐ 1 Day ☐ 2 Days ☐ 3-4 Days	
City: <u>Kitchener</u>		City: _____		Site Location: _____		Date Required: _____	
Phone: <u>519 743 6500</u> Fax: <u>519 743 6513</u>		Phone: _____ Fax: _____		Site #: _____		Rush Confirmation #: _____	
Email: <u>accounting@mtc85.com</u>		Email: <u>mgaylin@mtc85.com</u>		Site Location Province: _____		Sampled By: <u>ADP</u>	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY							
Regulation 153		Other Regulations		Analysis Requested			
☐ Table 1 ☐ Res/Park ☐ Med/ Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/ Other ☐ Table _____ FOR RSC (PLEASE CIRCLE) Y / N		☐ CCME ☐ Sanitary Sewer Bylaw ☐ MISA ☐ Storm Sewer Bylaw ☐ PWQO ☐ Region _____ ☐ Other (Specify) _____ ☐ REG 558 (MIN. 3 DAY TAT REQUIRED) ☐ REG 406 Table _____		# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / Cr / V WTEK / HPC / F1 PHC / F2 / F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMS METALS REG 153 METALS (Hg, Cr, V, ICPMS Metals, HWS - B)			
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS		HOLD - DO NOT ANALYZE			
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	COMMENTS		
1	MW103-20 0.7-2	2020/11/04	14:47	Soil	1		
2	↓ 2.5-4.5	↓	14:50	↓			
3	↓ 5-7	↓	15:04	↓			
4	MW104-20 0-2		10:50				
5	↓ 2.5-4.5	↓	10:55	↓			
6	↓ 5-7	↓	11:00	↓			
7							
8							
9							
10							
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)
 A Puntillo		2020/11/04	16:40	 J. D. Williams		2020/11/04	16:43

04-Nov-20 16:43
 Ronklin Gracian

C0T2774
 ENV 1227

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <http://www.bvlab.com/terms-and-conditions>



BUREAU
VERITAS

BV Labs Job #: COT2774
Report Date: 2020/11/13

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: AP

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



6920 Campbell Rd., Mississauga, Ontario L5N 2L8
Phone: 905.817.8700 Fax: 905.817.5779 Toll Free: 800.363.6266
CAM-ICD-01 (9/14)

CHAIN OF CUSTODY RECORD

153236

Page 1 of 1

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required	
Company Name: MTE Consultants	Company Name:	Contact Name: Monique Gayle	Contact Name:	Quotation #:	☒ Regular TAT (5-7 days) Most analysis		
Contact Name: Accounts Payable	Contact Name:			P.O. # / AF#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS		
Address: 520 Bingham's Centre Dr	Address:			Project #:	Rush TAT (Surcharges will be applied)		
Address: Kitchener	Address:			Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days		
Phone: 519 743 6500 Fax: 519 743 6513	Phone:	Fax:		Site #:	Data Required:		
Email: accounts@mtc85.com	Email:			Site Location Province:	Rush Confirmation #:		
NOTE: REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY							
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY	
☐ Table 1	☐ Res/Pipes	☐ MISC/Fire	☐ CCME	☐ Sanitary Sewer Bylaw	Metals AS 3582 PH PCs XXX	CUSTODY SEAL	
☐ Table 2	☐ Ind/Comms	☐ Coarse	☐ MSA	☐ Storm Sewer Bylaw		Present	Intact
☐ Table 3	☐ Agr/Other		☐ PWQO	☐ Region		COOLER TEMPERATURES	
☐ Table 4			☐ Other (Specify)	☐ REG 508 (MAX. 8 DAY TAT REQUIRED)		5/5/3	
FOR RSC (PLEASE CIRCLE) Y / N		REG 406 Table				COOLING MEDIA PRESENT: ☒	
Include Criteria on Certificate of Analysis: Y / N							
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS							
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	COMMENTS	
1 MW103-20 0.7-2		2020/11/04	14:42	soil	1		
2 ↓ 2.5-4.5			14:50				
3 ↓ 5-7			15:04				
4 MW104-20 0-2			10:50				
5 ↓ 2.5-4.5			10:55				
6 ↓ 5-7			11:00				
7							
8							
9							
10							
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)
APentillo		2020/11/04	16:40	Dr. A. G. G. G.		2020/11/04	16:43

04-Nov-20 16:43
Ronkin Gracian
COT2774

Unless otherwise stated in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is a warranty agreement and acceptance of the terms available at: <http://www.bv.com/terms>

COC-1004 (06/14)

White: BV Lab's Yellow: Client



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 798557-08-01, 798557-02-01, 798557-03-01

Report Date: 2020/11/11

Report #: R6406543

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: COT3352

Received: 2020/11/04, 12:47

Sample Matrix: Soil
Samples Received: 4

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Strong Acid Leachable Metals by ICPMS	3	2020/11/09	2020/11/10	CAM SOP-00447	EPA 6020B m
Strong Acid Leachable Metals by ICPMS	1	2020/11/09	2020/11/09	CAM SOP-00447	EPA 6020B m
Moisture	4	N/A	2020/11/05	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	4	2020/11/09	2020/11/10	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	4	N/A	2020/11/06	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	1	2020/11/10	2020/11/10	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT	3	2020/11/10	2020/11/11	CAM SOP-00413	EPA 9045 D m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 798557-08-01, 798557-02-01, 798557-03-01

Report Date: 2020/11/11
Report #: R6406543
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: COT3352

Received: 2020/11/04, 12:47

Encryption Key

Ronklin Gracian
Project Manager
11 Nov 2020 11:32:58

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager

Email: Ronklin.Gracian@bvlabs.com

Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OBU556		OBU563	OBU576	OBU594		
Sampling Date			2020/11/03 09:00		2020/11/02 16:01	2020/11/02 11:05	2020/11/02 13:25		
COC Number			798557-08-01		798557-08-01	798557-02-01	798557-03-01		
	UNITS	Criteria	MW102-20 1.1-2	QC Batch	BH112-20 1-2	BH118-20 0.8-2	BH126-20 1.2-2	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	7045631	0.20	<0.20	<0.20	0.20	7045694
Acid Extractable Arsenic (As)	ug/g	18	5.6	7045631	6.0	5.1	4.9	1.0	7045694
Acid Extractable Barium (Ba)	ug/g	220	62	7045631	83	40	160	0.50	7045694
Acid Extractable Beryllium (Be)	ug/g	2.5	0.72	7045631	0.81	0.61	1.1	0.20	7045694
Acid Extractable Boron (B)	ug/g	36	6.5	7045631	7.3	<5.0	8.6	5.0	7045694
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	7045631	0.10	<0.10	0.16	0.10	7045694
Acid Extractable Chromium (Cr)	ug/g	70	20	7045631	22	19	35	1.0	7045694
Acid Extractable Cobalt (Co)	ug/g	21	12	7045631	12	8.6	14	0.10	7045694
Acid Extractable Copper (Cu)	ug/g	92	35	7045631	37	32	32	0.50	7045694
Acid Extractable Lead (Pb)	ug/g	120	8.7	7045631	8.6	7.9	13	1.0	7045694
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	7045631	<0.50	<0.50	<0.50	0.50	7045694
Acid Extractable Nickel (Ni)	ug/g	82	25	7045631	26	19	35	0.50	7045694
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	7045631	<0.50	<0.50	<0.50	0.50	7045694
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	7045631	<0.20	<0.20	<0.20	0.20	7045694
Acid Extractable Thallium (Tl)	ug/g	1	0.14	7045631	0.12	0.091	0.21	0.050	7045694
Acid Extractable Uranium (U)	ug/g	2.5	0.43	7045631	0.45	0.42	0.53	0.050	7045694
Acid Extractable Vanadium (V)	ug/g	86	30	7045631	33	27	50	5.0	7045694
Acid Extractable Zinc (Zn)	ug/g	290	55	7045631	59	45	70	5.0	7045694
No Fill	No Exceedance								
Grey	Exceeds 1 criteria policy/level								
Black	Exceeds both criteria/levels								
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)									
Table 1: Full Depth Background Site Condition Standards									
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use									



BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBU556	OBU563	OBU576	OBU594		
Sampling Date			2020/11/03 09:00	2020/11/02 16:01	2020/11/02 11:05	2020/11/02 13:25		
COC Number			798557-08-01	798557-08-01	798557-02-01	798557-03-01		
	UNITS	Criteria	MW102-20 1.1-2	BH112-20 1-2	BH118-20 0.8-2	BH126-20 1.2-2	RDL	QC Batch
Inorganics								
Moisture	%	-	10	14	12	20	1.0	7041395
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7039733
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7039733
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7039733
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7039733
Total Endosulfan	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7039733
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Dieldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Lindane	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Endrin	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Heptachlor	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7046422
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7046422
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)								
Table 1: Full Depth Background Site Condition Standards								
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use								



O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OBU556	OBU563	OBU576	OBU594		
Sampling Date			2020/11/03 09:00	2020/11/02 16:01	2020/11/02 11:05	2020/11/02 13:25		
COC Number			798557-08-01	798557-08-01	798557-02-01	798557-03-01		
	UNITS	Criteria	MW102-20 1.1-2	BH112-20 1-2	BH118-20 0.8-2	BH126-20 1.2-2	RDL	QC Batch
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	110	109	101	118		7046422
Decachlorobiphenyl	%	-	96	93	98	86		7046422
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)								
Table 1: Full Depth Background Site Condition Standards								
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use								



BUREAU
VERITAS

BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OBU556	OBU563	OBU576		OBU594	
Sampling Date		2020/11/03 09:00	2020/11/02 16:01	2020/11/02 11:05		2020/11/02 13:25	
COC Number		798557-08-01	798557-08-01	798557-02-01		798557-03-01	
	UNITS	MW102-20 1.1-2	BH112-20 1-2	BH118-20 0.8-2	QC Batch	BH126-20 1.2-2	QC Batch
Inorganics							
Available (CaCl ₂) pH	pH	7.41	7.51	6.44	7048895	7.27	7048412
QC Batch = Quality Control Batch							



BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OBU556
Sample ID: MW102-20 1.1-2
Matrix: Soil

Collected: 2020/11/03
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7045631	2020/11/09	2020/11/09	Daniel Teclu
Moisture	BAL	7041395	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048895	2020/11/10	2020/11/11	Surinder Rai

BV Labs ID: OBU563
Sample ID: BH112-20 1-2
Matrix: Soil

Collected: 2020/11/02
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7045694	2020/11/09	2020/11/10	Daniel Teclu
Moisture	BAL	7041395	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048895	2020/11/10	2020/11/11	Surinder Rai

BV Labs ID: OBU576
Sample ID: BH118-20 0.8-2
Matrix: Soil

Collected: 2020/11/02
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7045694	2020/11/09	2020/11/10	Daniel Teclu
Moisture	BAL	7041395	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048895	2020/11/10	2020/11/11	Surinder Rai

BV Labs ID: OBU594
Sample ID: BH126-20 1.2-2
Matrix: Soil

Collected: 2020/11/02
Shipped:
Received: 2020/11/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7045694	2020/11/09	2020/11/10	Daniel Teclu
Moisture	BAL	7041395	N/A	2020/11/05	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7046422	2020/11/09	2020/11/10	Li Peng
OC Pesticides Summed Parameters	CALC	7039733	N/A	2020/11/06	Automated Statchk
pH CaCl2 EXTRACT	AT	7048412	2020/11/10	2020/11/10	Neil Dassanayake



BUREAU
VERITAS

BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	3.7°C
-----------	-------

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: COT3352

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7046422	2,4,5,6-Tetrachloro-m-xylene	2020/11/10	118	50 - 130	115	50 - 130	115	%		
7046422	Decachlorobiphenyl	2020/11/10	101	50 - 130	95	50 - 130	97	%		
7041395	Moisture	2020/11/05							6.9	20
7045631	Acid Extractable Antimony (Sb)	2020/11/09	98	75 - 125	99	80 - 120	<0.20	ug/g	14	30
7045631	Acid Extractable Arsenic (As)	2020/11/09	102	75 - 125	101	80 - 120	<1.0	ug/g	0.17	30
7045631	Acid Extractable Barium (Ba)	2020/11/09	NC	75 - 125	101	80 - 120	<0.50	ug/g	0.46	30
7045631	Acid Extractable Beryllium (Be)	2020/11/09	99	75 - 125	97	80 - 120	<0.20	ug/g	0.97	30
7045631	Acid Extractable Boron (B)	2020/11/09	97	75 - 125	94	80 - 120	<5.0	ug/g	7.6	30
7045631	Acid Extractable Cadmium (Cd)	2020/11/09	99	75 - 125	96	80 - 120	<0.10	ug/g	1.4	30
7045631	Acid Extractable Chromium (Cr)	2020/11/09	109	75 - 125	99	80 - 120	<1.0	ug/g	11	30
7045631	Acid Extractable Cobalt (Co)	2020/11/09	103	75 - 125	101	80 - 120	<0.10	ug/g	4.9	30
7045631	Acid Extractable Copper (Cu)	2020/11/09	NC	75 - 125	102	80 - 120	<0.50	ug/g	1.9	30
7045631	Acid Extractable Lead (Pb)	2020/11/09	NC	75 - 125	101	80 - 120	<1.0	ug/g	5.9	30
7045631	Acid Extractable Molybdenum (Mo)	2020/11/09	103	75 - 125	99	80 - 120	<0.50	ug/g	9.2	30
7045631	Acid Extractable Nickel (Ni)	2020/11/09	99	75 - 125	101	80 - 120	<0.50	ug/g	3.8	30
7045631	Acid Extractable Selenium (Se)	2020/11/09	106	75 - 125	104	80 - 120	<0.50	ug/g	NC	30
7045631	Acid Extractable Silver (Ag)	2020/11/09	100	75 - 125	97	80 - 120	<0.20	ug/g	NC	30
7045631	Acid Extractable Thallium (Tl)	2020/11/09	98	75 - 125	96	80 - 120	<0.050	ug/g	6.7	30
7045631	Acid Extractable Uranium (U)	2020/11/09	96	75 - 125	92	80 - 120	<0.050	ug/g	3.1	30
7045631	Acid Extractable Vanadium (V)	2020/11/09	108	75 - 125	98	80 - 120	<5.0	ug/g	6.8	30
7045631	Acid Extractable Zinc (Zn)	2020/11/09	NC	75 - 125	103	80 - 120	<5.0	ug/g	3.8	30
7045694	Acid Extractable Antimony (Sb)	2020/11/09	95	75 - 125	101	80 - 120	<0.20	ug/g		
7045694	Acid Extractable Arsenic (As)	2020/11/09	95	75 - 125	101	80 - 120	<1.0	ug/g		
7045694	Acid Extractable Barium (Ba)	2020/11/09	96	75 - 125	99	80 - 120	<0.50	ug/g		
7045694	Acid Extractable Beryllium (Be)	2020/11/09	92	75 - 125	96	80 - 120	<0.20	ug/g		
7045694	Acid Extractable Boron (B)	2020/11/09	89	75 - 125	95	80 - 120	<5.0	ug/g		
7045694	Acid Extractable Cadmium (Cd)	2020/11/09	94	75 - 125	98	80 - 120	<0.10	ug/g		
7045694	Acid Extractable Chromium (Cr)	2020/11/09	92	75 - 125	102	80 - 120	<1.0	ug/g		
7045694	Acid Extractable Cobalt (Co)	2020/11/09	98	75 - 125	101	80 - 120	<0.10	ug/g		
7045694	Acid Extractable Copper (Cu)	2020/11/09	99	75 - 125	102	80 - 120	<0.50	ug/g		
7045694	Acid Extractable Lead (Pb)	2020/11/10	94	75 - 125	100	80 - 120	<1.0	ug/g	1.7	30

BUREAU
VERITAS

BV Labs Job #: COT3352

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7045694	Acid Extractable Molybdenum (Mo)	2020/11/09	95	75 - 125	101	80 - 120	<0.50	ug/g		
7045694	Acid Extractable Nickel (Ni)	2020/11/09	95	75 - 125	103	80 - 120	<0.50	ug/g		
7045694	Acid Extractable Selenium (Se)	2020/11/09	98	75 - 125	99	80 - 120	<0.50	ug/g		
7045694	Acid Extractable Silver (Ag)	2020/11/09	94	75 - 125	98	80 - 120	<0.20	ug/g		
7045694	Acid Extractable Thallium (Tl)	2020/11/09	93	75 - 125	98	80 - 120	<0.050	ug/g		
7045694	Acid Extractable Uranium (U)	2020/11/09	88	75 - 125	92	80 - 120	<0.050	ug/g		
7045694	Acid Extractable Vanadium (V)	2020/11/09	NC	75 - 125	99	80 - 120	<5.0	ug/g		
7045694	Acid Extractable Zinc (Zn)	2020/11/09	101	75 - 125	96	80 - 120	<5.0	ug/g		
7046422	a-Chlordane	2020/11/10	81	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
7046422	Aldrin	2020/11/10	76	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7046422	Dieldrin	2020/11/10	120	50 - 130	125	50 - 130	<0.0020	ug/g	NC	40
7046422	Endosulfan I (alpha)	2020/11/10	111	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
7046422	Endosulfan II (beta)	2020/11/10	91	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7046422	Endrin	2020/11/10	109	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
7046422	g-Chlordane	2020/11/10	99	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
7046422	Heptachlor epoxide	2020/11/10	102	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
7046422	Heptachlor	2020/11/10	81	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachlorobenzene	2020/11/10	79	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachlorobutadiene	2020/11/10	85	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7046422	Hexachloroethane	2020/11/10	63	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7046422	Lindane	2020/11/10	78	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
7046422	Methoxychlor	2020/11/10	102	50 - 130	105	50 - 130	<0.0050	ug/g	NC	40
7046422	o,p-DDD	2020/11/10	91	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7046422	o,p-DDE	2020/11/10	78	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7046422	o,p-DDT	2020/11/10	96	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDD	2020/11/10	93	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDE	2020/11/10	103	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7046422	p,p-DDT	2020/11/10	103	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7048412	Available (CaCl2) pH	2020/11/10			100	97 - 103			0.92	N/A



BUREAU
VERITAS

BV Labs Job #: COT3352

Report Date: 2020/11/11

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7048895	Available (CaCl ₂) pH	2020/11/11			100	97 - 103			0.30	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times \text{RDL}$).



BUREAU
VERITAS

BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Anastassia Hamanov, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

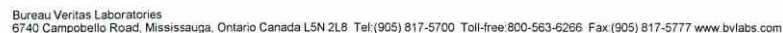
CHAIN OF CUSTODY RECORD



CHAIN OF CUSTODY RECORD

Page 2 of 2

INVOICE TO: Company Name: #6868 MTE Consultants Inc Attention: Accounts Payable Address: 520 Bingemans Centre Dr Kitchener ON N2B 3X9 Tel: (519) 743-6500 Fax: (519) 743-6513 Email: accounting@mte85.com		REPORT TO: Company Name: MTE Consultants Attention: Monique Gyba Address: 123 St. George St, London, ON Tel: (519) 204-6510 Fax: _____ Email: Mgyba@mte85.com mcostello@mte85.com		PROJECT INFORMATION: Quotation #: B90004 P.O. #: _____ Project: 47477-200 Project Name: _____ Site #: _____ Sampled By: Mackenzie Costello		Laboratory Use Only: BV Labs Job #: _____ Bottle Order #: _____ COC #: _____ Project Manager: _____ Ch798557-02-01 Ronklin Gracian	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)			
Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table _____		Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____		Special Instructions		Turnaround Time (TAT) Required: Please provide advance notice for rush projects Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details. Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)	
Include Criteria on Certificate of Analysis (Y/N)?				Field Filtered (please circle): Metals / Hg / Cr / V			
	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix		
1		BH115-20 1.2-2	20/11/02	830	Soil	X	
2		BH115-20 2.5-4.5		834		X	
3		BH115-20 5-7		839		X	
4		BH117-20 0.5-2		947		X	
5		BH117-20 2.5-4.5		952		X	
6		BH117-20 5-7		957		X	
7		BH118-20 0.8-2		1105		X	
8		BH118-20 2.5-4.5		1109		X	
9		BH118-20 5-7		1113		X	
10		BH119-20 0.8-2		1403		X	
RECEIVED IN LAB						1	Limited sample
* RELINQUISHED BY: (Signature/Print) Mackenzie Costello		Date: (YY/MM/DD) 20/11/04	Time 12:47	RECEIVED BY: (Signature/Print) M. Costello		Date: (YY/MM/DD) 20/11/04	Time 12:47
# jars used and not submitted		Laboratory Use Only		Time Sensitive Temperature (°C) on Receipt 5.2, 4°C			
Custody Seal Present In tact		Yes	No	White: BV Labs Yellow: Client			
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS. * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS. ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.							



CHAIN OF CUSTODY RECORD

Page 20

INVOICE TO:			REPORT TO:			PROJECT INFORMATION:			Laboratory Use Only:		
Company Name: #6868 MTE Consultants Inc			Company Name: MTE Consultants			Quotation #: B90004			BV Labs Job #:		
Attention: Accounts Payable			Attention: Monique Gyba			P.O. #:			Bottle Order #:		
Address: 520 Bingham Centre Dr			Address: 123 St. George St., London,			Project: 47477-200			COC #:		
Tel: (519) 743-6500			Tel: (519) 743-6510			Project Name:			Project Manager:		
Fax: (519) 743-6513			Fax:			Site #:			Ronkin Gracian		
Email: accounting@mte85.com			Email: MGyba@mte85.com			Sampled by: Marenze Costello			C#798557-03-01		
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY											
Regulation 153 (2011)			Other Regulations			Special Instructions			Turnaround Time (TAT) Required:		
☐ Table 1 ☐ Res/Park ☐ Medium/Fine			☐ CCME ☐ Sanitary Sewer Bylaw						Please provide advance notice for rush projects		
☐ Table 2 ☐ Ind/Comm ☐ Coarse			☐ Reg 558 ☐ Storm Sewer Bylaw						Regular (Standard) TAT:		
☐ Table 3 ☐ Agri/Other ☐ For RSC			☐ MISA Municipality						(will be applied if Rush TAT is not specified):		
☐ Table			☐ PWQO ☐ Reg 406 Table						Standard TAT = 5-7 Working days for most tests.		
			☐ Other						Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.		
Include Criteria on Certificate of Analysis (Y/N)?									Job Specific Rush TAT (if applies to entire submission)		
									Date Required: Time Required:		
									Rush Confirmation Number: (call lab for #)		
Sample Barcode Label			Sample (Location) Identification			Date Sampled			# of Bottles		
Time Sampled			Matrix						Comments		
1			BH119-20 2.5-4.5			20/11/02			1 Limited sample		
2			BH119-20 5-7			14 16			1		
3			BH124-20 1-2			1248			1 Limited sample		
4			BH124-20 2.5-4.5			1253			1		
5			BH124-20 5-7			1258			1		
6			BH126-20 1.2-2			1325			1 Limited sample		
7			BH126-20 2.5-4.5			1332			1		
8			BH126-20 5-7			1338			1		
9											
10											
* RELINQUISHED BY: (Signature/Print)			Date: (YY/MM/DD)			Time			RECEIVED BY: (Signature/Print)		
Date: (YY/MM/DD)			Time			Date: (YY/MM/DD)			Time		
# jars used and not submitted			Laboratory Use Only			Temperature (°C) on Receipt			Custody Seal		
Temperature (°C) on Receipt			Custody Seal			Yes			No		
Custody Seal			Yes			No			White: BV Labs		
Yes			No			Yellow: Client					
No											
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.											
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE CHAIN OF CUSTODY RECORD, AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.											
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.											
SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS											



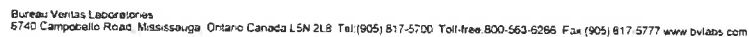
BUREAU
VERITAS

BV Labs Job #: COT3352
Report Date: 2020/11/11

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



CHAIN OF CUSTODY RECORD

Page 1 of 1

REPORT TO: Company Name: #6868 MTE Consultants Inc Attention: Accounts Payable Address: 520 Bingham Centre Dr Kitchener ON N2B 3X9 Tel: (519) 743-6500 Fax: (519) 743-6513 Email: accounting@mte85.com			REPORT TO: Company Name: MTE Consultants Attention: Monique Gyba Address: 123 St. George St. London ON Tel: (519) 204-6510 Fax: _____ Email: Mgyba@mte85.com mcastello@mte85.com			PROJECT INFORMATION: Quotation #: B90004 P.O. #: _____ Project: 47477-200 Project Name: _____ Site #: _____ Sampled By: Mackenzie Castello			Laboratory Use Only: BV Labs Job #: _____ Bottle Order #: _____ COC #: _____ Project Manager: _____ C#758557-08-01										
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						ANALYSIS REQUESTED (PLEASE BE SPECIFIC):													
Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agric/Other ☐ For RSC ☐ Table _____			Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality _____ ☐ PWQO ☐ Reg 406 Techo _____ ☐ Other _____			Special Instructions _____			Field Filtered (please circle): Metals / Hg / Cr / VI On hold Metals Asstbse pH OCs										
Include Criteria on Certificate of Analysis (Y/N)?						Turnaround Time (TAT) Required Please provide advance notice for rush projects													
Sample Barcode Label		Sample (Location) Identification		Date Sampled	Time Sampled	Matrix	# of Bottles		Comments										
1		MW102-20 1.1-2		20/11/03	900	Soil	X	X	X	X	1	Limited Sample.							
2		MW102-20 2.5-4.5		↓	907		X				1								
3		MW102-20 5-7		↓	920		X				1								
4		BH111-20 1-2		20/11/02	1500		X				1	limited sample							
5		BH111-20 2.5-4.5		↓	1514		X				1								
6		BH111-20 5-7		↓	1519		X				1	Limited Sample							
7		BH111-20 2.5-4.5		↓	1614		X				1								
8		BH112-20 1-2		↓	1601		X	X	X	X	1	limited sample							
9		BH112-20 2.5-4.5		↓	1606		X				1								
10		BH112-20 5-7		↓	1611		X				1	REC'D IN LONDON							
RELINQUISHED BY: (Signature/Print) Mackenzie Castello			Date: (YY/MM/DD) 20/11/04		Time 12:47		RECEIVED BY: (Signature/Print) Ronklin Gracian			Date: (YY/MM/DD) 20/11/04		Time 12:47		# Jars used and not submitted _____		Laboratory Use Only Time Sensitive Temperature (°C) on Recd 5.2, 4°C		Custody Seal Present Yes ☐ No ☐	
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.																		White: BV Labs Yellow: Client	
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.																		SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS	



CHAIN OF CUSTODY RECORD

Page 2

INVOICE TO:			REPORT TO:			PROJECT INFORMATION:			Laboratory Use Only:				
Company Name: #6688 MTE Consultants Inc Attention: Accounts Payable Address: 520 Bingham Centre Dr Kitchener ON N2B 3X9 Tel: (519) 743-6500 Fax: (519) 743-6513 Email: accounting@mte85.com			Company Name: MTE Consultants Attention: Monique Gyba Address: 123 St George St, London, ON Tel: (519) 704-6510 Fax: _____ Email: Mgyba@mte85.com			Duration #: B90004 P O #: _____ Project: 47477-200 Project Name: _____ Site #: _____ Sample By: Mackenzie Costello			BV Labs Job #: _____ Bottle Order #: _____ COC #: _____ Project Manager: _____ Barcode: 				
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY									Turnaround Time (TAT) Required: Please provide advance notice for rush projects				
Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agrv/Other ☐ For RSC ☐ Table _____			Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____			Special Instructions _____			ANALYSIS REQUESTED (PLEASE BE SPECIFIC): _____				
Include Criteria on Certificate of Analysis (YM)? _____						Field Filtered (please circle): Metals / Hg / Cr / VI On hold metals Asbse pH DCs			Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests Please note: Standard TAT for certain tests such as BOD and Dissolved Solids are > 5 days - contact your Project Manager for details. Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (Call lab for #)				
Sample Barcode Label		Sample (Location) Identification		Date Sampled	Time Sampled	Matrix				# of Bottles: _____ Comments: _____			
1		BH115-20 1.2-2		20/11/02	930	Soil				1 Limited sample			
2		BH115-20 2.5-4.5			834					1 ↓			
3		BH115-20 5-7			839					1			
4		BH117-20 0.5-2			947					1			
5		BH117-20 2.5-4.5			952					1 Limited sample			
6		BH117-20 5-7			957					1			
7		BH118-20 0.8-2			1105		X X X			1			
8		BH118-20 2.5-4.5			1109					1 Limited sample			
9		BH118-20 5-7			1113					1			
10		BH119-20 0.8-2			1403					1 Limited sample			
* RELINQUISHED BY: (Signature/Print) Mackenzie Costello			Date: (YY/MM/DD) 20/11/04		Time 12:47		RECEIVED BY: (Signature/Print) [Signature]			Date: (YY/MM/DD) 20/11/04		Time 12:47	
# jars used and not submitted _____			Laboratory Use Only Time Sensitive Temperature (°C) on Receipt: 5.24°C										
Custody Seal Present ☐ Inactive ☐			Yes ☐ No ☐										



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bv-labs.com

CHAIN OF CUSTODY RECORD

Page 33

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc	Accounts Payable	Company Name: MTE Consultants	Attention: Monique Gyba	Quotation #: B90004		BV Labs Job #:	Bottle Order #:
Address: 520 Bingham Centre Dr	Kitchener ON N2B 3X9	Address: 123 St. George St, London, ON		P.O. #:			
Tel: (519) 743-6500	Fax: (519) 743-6513	Tel: (519) 204-6510	Fax:	Project: 47477-200		COC #:	Project Manager:
Email: accounting@mte85.com		Email: MGyba@mte85.com		Site #:			Ronkin Gracian
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC):		Turnaround Time (TAT) Required: Please provide advance notice for rush projects	
Regulation 152 (2011)		Other Regulations		Field Filtered (please circle):		Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	Special Instructions		Metals / Hg / Cr VI		Job Specific Rush TAT (if applies to entire submission) Date Required: Time Required: Rush Confirmation Number: (See lab for #)	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 558 ☐ Storm Sewer Bylaw						
☐ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA ☐ Municipality						
☐ Table ☐ PWQO ☐ Reg 406 Table	☐ Other						
Include Criteria on Certificate of Analysis (Y/N)?							
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Mainst		# of Bottles	Comments
1	BH119-20 2.5-4.5	20/11/02	14:09	Soil	X	1	Limited sample
2	BH119-20 5-7		14:16		X	1	
3	BH124-20 1-2		12:48		X	1	Limited sample
4	BH124-20 2.5-4.5		12:53		X	1	↓
5	BH124-20 5-7		12:58		X	1	
6	BH126-20 1.2-2		13:25		X	1	Limited sample
7	BH126-20 2.5-4.5		13:32		X	1	
8	BH126-20 5-7		13:38		X	1	
9							
10							
*RELINQUISHED BY: (Signature/Print)				*RECEIVED BY: (Signature/Print)		# Jars used and not submitted	
Mf Cd / Macdonald / Costello				Mf Cd / C. Gracian		Time Sensitive	
Date: (YY/MM/DD)				Date: (YY/MM/DD)		Laboratory Use Only	
20/11/04				20/11/04		Temperature (°C) on Receipt: 5.2, 4.0 °C ice	
Time				Time		Custody Seal Present: Intact	
12:47				12:47		Yes No	
						White: BV Labs Yellow: Client	
*UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS			
*IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.							
*SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.							

Bureau Veritas Canada (2019) Inc.



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 799421-08-01, 799421-07-01, 799421-06-01, 798557-07-01, 798557-06-01

Report Date: 2020/11/17
Report #: R6413799
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: COT5982

Received: 2020/11/06, 16:38

Sample Matrix: Soil
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Strong Acid Leachable Metals by ICPMS	3	2020/11/13	2020/11/13	CAM SOP-00447	EPA 6020B m
Moisture	3	N/A	2020/11/12	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	3	2020/11/13	2020/11/14	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	3	N/A	2020/11/13	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	3	2020/11/16	2020/11/16	CAM SOP-00413	EPA 9045 D m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 799421-08-01, 799421-07-01, 799421-06-01, 798557-07-01, 798557-06-01

Report Date: 2020/11/17
Report #: R6413799
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: COT5982

Received: 2020/11/06, 16:38

Encryption Key

Ronklin Gracian
Project Manager
17 Nov 2020 12:39:04

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

BUREAU
VERITASBV Labs Job #: COT5982
Report Date: 2020/11/17MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC**O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)**

BV Labs ID			OCJ691	OCJ691	OCJ706	OCJ716		
Sampling Date			2020/11/05 13:36	2020/11/05 13:36	2020/11/06 09:38	2020/11/06 12:53		
COC Number			799421-07-01	799421-07-01	799421-06-01	798557-07-01		
	UNITS	Criteria	BH140-20 1.25-2	BH140-20 1.25-2 Lab-Dup	BH138-20 0.8-2	BH151-20 0.7-2	RDL	QC Batch

Metals								
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	<0.20	<0.20	0.20	7055159
Acid Extractable Arsenic (As)	ug/g	18	4.5	4.5	4.4	4.3	1.0	7055159
Acid Extractable Barium (Ba)	ug/g	220	77	77	140	66	0.50	7055159
Acid Extractable Beryllium (Be)	ug/g	2.5	0.72	0.71	1.0	0.67	0.20	7055159
Acid Extractable Boron (B)	ug/g	36	<5.0	<5.0	6.5	<5.0	5.0	7055159
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.18	0.16	0.15	<0.10	0.10	7055159
Acid Extractable Chromium (Cr)	ug/g	70	21	22	34	19	1.0	7055159
Acid Extractable Cobalt (Co)	ug/g	21	8.8	8.6	14	9.3	0.10	7055159
Acid Extractable Copper (Cu)	ug/g	92	22	22	26	23	0.50	7055159
Acid Extractable Lead (Pb)	ug/g	120	8.5	8.5	13	9.5	1.0	7055159
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	<0.50	<0.50	0.50	7055159
Acid Extractable Nickel (Ni)	ug/g	82	21	21	28	19	0.50	7055159
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	<0.50	<0.50	0.50	7055159
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	<0.20	<0.20	0.20	7055159
Acid Extractable Thallium (Tl)	ug/g	1	0.13	0.11	0.22	0.12	0.050	7055159
Acid Extractable Uranium (U)	ug/g	2.5	0.48	0.49	0.70	0.46	0.050	7055159
Acid Extractable Vanadium (V)	ug/g	86	33	32	47	30	5.0	7055159
Acid Extractable Zinc (Zn)	ug/g	290	72	73	65	46	5.0	7055159

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels
RDL = Reportable Detection Limit	
QC Batch = Quality Control Batch	
Lab-Dup = Laboratory Initiated Duplicate	
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)	
Table 1: Full Depth Background Site Condition Standards	
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use	



BUREAU
VERITAS

BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OCJ691	OCJ706	OCJ716		
Sampling Date			2020/11/05 13:36	2020/11/06 09:38	2020/11/06 12:53		
COC Number			799421-07-01	799421-06-01	798557-07-01		
	UNITS	Criteria	BH140-20 1.25-2	BH138-20 0.8-2	BH151-20 0.7-2	RDL	QC Batch
Inorganics							
Moisture	%	-	18	16	10	1.0	7053427
Calculated Parameters							
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7050739
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7050739
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7050739
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7050739
Total Endosulfan	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7050739
Pesticides & Herbicides							
Aldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7055359
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7055359
Dieldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
Lindane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7055359
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7055359
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7055359
Endrin	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7055359
Heptachlor	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7055359
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7055359
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7055359
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7055359
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	<0.0050	0.0050	7055359
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)							
Table 1: Full Depth Background Site Condition Standards							
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use							



BUREAU
VERITAS

BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OCJ691	OCJ706	OCJ716		
Sampling Date			2020/11/05 13:36	2020/11/06 09:38	2020/11/06 12:53		
COC Number			799421-07-01	799421-06-01	798557-07-01		
	UNITS	Criteria	BH140-20 1.25-2	BH138-20 0.8-2	BH151-20 0.7-2	RDL	QC Batch
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	-	93	100	87		7055359
Decachlorobiphenyl	%	-	102	97	93		7055359
No Fill	No Exceedance						
Grey	Exceeds 1 criteria policy/level						
Black	Exceeds both criteria/levels						
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)							
Table 1: Full Depth Background Site Condition Standards							
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use							



BUREAU
VERITAS

BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OCJ691	OCJ706	OCJ716	OCJ716	
Sampling Date		2020/11/05 13:36	2020/11/06 09:38	2020/11/06 12:53	2020/11/06 12:53	
COC Number		799421-07-01	799421-06-01	798557-07-01	798557-07-01	
	UNITS	BH140-20 1.25-2	BH138-20 0.8-2	BH151-20 0.7-2	BH151-20 0.7-2 Lab-Dup	QC Batch
Inorganics						
Available (CaCl ₂) pH	pH	6.87	7.29	7.08	7.05	7057687
QC Batch = Quality Control Batch						
Lab-Dup = Laboratory Initiated Duplicate						



BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OCJ691
Sample ID: BH140-20 1.25-2
Matrix: Soil

Collected: 2020/11/05
Shipped:
Received: 2020/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7055159	2020/11/13	2020/11/13	Daniel Teclu
Moisture	BAL	7053427	N/A	2020/11/12	Mithunaa Sasitheepan
OC Pesticides (Selected) & PCB	GC/ECD	7055359	2020/11/13	2020/11/14	Li Peng
OC Pesticides Summed Parameters	CALC	7050739	N/A	2020/11/13	Automated Statchk
pH CaCl2 EXTRACT	AT	7057687	2020/11/16	2020/11/16	Neil Dassanayake

BV Labs ID: OCJ691 Dup
Sample ID: BH140-20 1.25-2
Matrix: Soil

Collected: 2020/11/05
Shipped:
Received: 2020/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7055159	2020/11/13	2020/11/13	Daniel Teclu

BV Labs ID: OCJ706
Sample ID: BH138-20 0.8-2
Matrix: Soil

Collected: 2020/11/06
Shipped:
Received: 2020/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7055159	2020/11/13	2020/11/13	Daniel Teclu
Moisture	BAL	7053427	N/A	2020/11/12	Mithunaa Sasitheepan
OC Pesticides (Selected) & PCB	GC/ECD	7055359	2020/11/13	2020/11/14	Li Peng
OC Pesticides Summed Parameters	CALC	7050739	N/A	2020/11/13	Automated Statchk
pH CaCl2 EXTRACT	AT	7057687	2020/11/16	2020/11/16	Neil Dassanayake

BV Labs ID: OCJ716
Sample ID: BH151-20 0.7-2
Matrix: Soil

Collected: 2020/11/06
Shipped:
Received: 2020/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7055159	2020/11/13	2020/11/13	Daniel Teclu
Moisture	BAL	7053427	N/A	2020/11/12	Mithunaa Sasitheepan
OC Pesticides (Selected) & PCB	GC/ECD	7055359	2020/11/13	2020/11/14	Li Peng
OC Pesticides Summed Parameters	CALC	7050739	N/A	2020/11/13	Automated Statchk
pH CaCl2 EXTRACT	AT	7057687	2020/11/16	2020/11/16	Neil Dassanayake

BV Labs ID: OCJ716 Dup
Sample ID: BH151-20 0.7-2
Matrix: Soil

Collected: 2020/11/06
Shipped:
Received: 2020/11/06

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	7057687	2020/11/16	2020/11/16	Neil Dassanayake



GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	12.0°C
Package 2	5.0°C

Revised Report [2020/11/17]: Criteria included as per client request.

Samples on page 3, 4 and 5 were submitted with a temperature above 10 degrees Celsius.

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: COT5982

Report Date: 2020/11/17

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7055359	2,4,5,6-Tetrachloro-m-xylene	2020/11/14	96	50 - 130	85	50 - 130	86	%		
7055359	Decachlorobiphenyl	2020/11/14	97	50 - 130	94	50 - 130	96	%		
7053427	Moisture	2020/11/12							3.7	20
7055159	Acid Extractable Antimony (Sb)	2020/11/13	91	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
7055159	Acid Extractable Arsenic (As)	2020/11/13	101	75 - 125	102	80 - 120	<1.0	ug/g	0.86	30
7055159	Acid Extractable Barium (Ba)	2020/11/13	NC	75 - 125	102	80 - 120	<0.50	ug/g	0.40	30
7055159	Acid Extractable Beryllium (Be)	2020/11/13	101	75 - 125	97	80 - 120	<0.20	ug/g	2.3	30
7055159	Acid Extractable Boron (B)	2020/11/13	90	75 - 125	97	80 - 120	<5.0	ug/g	NC	30
7055159	Acid Extractable Cadmium (Cd)	2020/11/13	103	75 - 125	101	80 - 120	<0.10	ug/g	11	30
7055159	Acid Extractable Chromium (Cr)	2020/11/13	102	75 - 125	98	80 - 120	<1.0	ug/g	0.91	30
7055159	Acid Extractable Cobalt (Co)	2020/11/13	101	75 - 125	100	80 - 120	<0.10	ug/g	2.2	30
7055159	Acid Extractable Copper (Cu)	2020/11/13	98	75 - 125	99	80 - 120	<0.50	ug/g	0.30	30
7055159	Acid Extractable Lead (Pb)	2020/11/13	98	75 - 125	100	80 - 120	<1.0	ug/g	0.20	30
7055159	Acid Extractable Molybdenum (Mo)	2020/11/13	99	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
7055159	Acid Extractable Nickel (Ni)	2020/11/13	95	75 - 125	100	80 - 120	<0.50	ug/g	0.98	30
7055159	Acid Extractable Selenium (Se)	2020/11/13	105	75 - 125	104	80 - 120	<0.50	ug/g	NC	30
7055159	Acid Extractable Silver (Ag)	2020/11/13	98	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7055159	Acid Extractable Thallium (Tl)	2020/11/13	100	75 - 125	99	80 - 120	<0.050	ug/g	11	30
7055159	Acid Extractable Uranium (U)	2020/11/13	99	75 - 125	98	80 - 120	<0.050	ug/g	2.9	30
7055159	Acid Extractable Vanadium (V)	2020/11/13	NC	75 - 125	98	80 - 120	<5.0	ug/g	0.70	30
7055159	Acid Extractable Zinc (Zn)	2020/11/13	NC	75 - 125	98	80 - 120	<5.0	ug/g	0.61	30
7055359	a-Chlordane	2020/11/14	93	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
7055359	Aldrin	2020/11/14	76	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
7055359	Dieldrin	2020/11/14	120	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
7055359	Endosulfan I (alpha)	2020/11/14	82	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7055359	Endosulfan II (beta)	2020/11/14	97	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
7055359	Endrin	2020/11/14	101	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7055359	g-Chlordane	2020/11/14	105	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
7055359	Heptachlor epoxide	2020/11/14	99	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
7055359	Heptachlor	2020/11/14	75	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
7055359	Hexachlorobenzene	2020/11/14	84	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40



BUREAU
VERITAS

BV Labs Job #: COT5982

Report Date: 2020/11/17

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7055359	Hexachlorobutadiene	2020/11/14	84	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7055359	Hexachloroethane	2020/11/14	67	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7055359	Lindane	2020/11/14	105	50 - 130	98	50 - 130	<0.0020	ug/g	NC	40
7055359	Methoxychlor	2020/11/14	112	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
7055359	o,p-DDD	2020/11/14	109	50 - 130	101	50 - 130	<0.0020	ug/g	NC	40
7055359	o,p-DDE	2020/11/14	109	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
7055359	o,p-DDT	2020/11/14	88	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7055359	p,p-DDD	2020/11/14	108	50 - 130	96	50 - 130	<0.0020	ug/g	NC	40
7055359	p,p-DDE	2020/11/14	83	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7055359	p,p-DDT	2020/11/14	94	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7057687	Available (CaCl ₂) pH	2020/11/16			100	97 - 103			0.44	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



BUREAU
VERITAS

BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).




Ewa Pranjić, M.Sc., C.Chem, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel (905) 817-5700 Toll-free 800-563-6266 Fax (905) 817-5777 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 1 of 5

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #:		Bottle Order #:		
Attention: Accounts Payable	Attention: Monique Gyba	P.O. #:	799421		COC #:		799421
Address: 520 Bingemans Centre Dr	Address: 123 St. George St., London, ON	Project: 47477-200	Project Name:		Project Manager:		Ronkin Gracian
Tel: (519) 743-6500	Tel: (519) 204-6510	Site #:	Sampled By: Mackenzie Costello		Barcode: C#799421-08-01		
Email: accounting@mte85.com	Email: MGyba@mte85.com						

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY

Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table	Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other	Special Instructions
--	---	-----------------------------

Include Criteria on Certificate of Analysis (Y/N)?

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										# of Bottles	Comments
1	BH109-20 0.7-2	20/11/05	9:43	Soil	X											1	Limited samp
2	BH109-20 2.5-4.5		9:48		X											1	
3	BH109-20 5-7		9:51		X											1	
4	BH116-20 0.7-2		10:43		X											1	
5	BH116-20 2.5-4.5		10:49		X											1	
6	BH116-20 5-7		10:56		X											1	
7	BH130-20 0.3-2		11:47		X											1	
8	BH130-20 2.5-4.5		11:56		X											1	
9	BH130-20 5-7		12:02		X											1	
10	BH1131-20 2.5-4.5		7:33		X											1	

* RELINQUISHED BY: (Signature/Print) *Mackenzie Costello* Date: (YY/MM/DD) 20/11/06 Time 15:30

RECEIVED BY: (Signature/Print) *Ronkin Gracian* Date: (YY/MM/DD) 20/11/06 Time 16:38

jars used and not submitted

Laboratory Use Only

Time Sensitive

Temperature (°C) on Receipt 11/13/12 14

Custody Seal Present Intact

Yes No

White: BV Labs

Yellow: Client

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

6/4/5 112



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel (905) 817-5700 Toll-free 800-563-6266 Fax (905) 817-5777 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 25

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingham Centre Dr		Address: 123 St George St, London, ON		Project: 47477-200		799421	
Tel: (519) 743-6500		Tel: (519) 743-6513		Project Name:		COC #:	
Email: accounting@mte85.com		Email: MGYba@mte85.com		Site #:		Project Manager: Ronkin Gracian	
Fax: (519) 743-6513		Fax: mcastello@mte85.com		Sampled By: Mackenzie Castello		Barcode: C8799421-07-01	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				Turnaround Time (TAT) Required: Please provide advance notice for rush projects			
Regulation 153 (2011)		Other Regulations		Special Instructions		Regular (Standard) TAT: (will be applied if Rush TAT is not specified). Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine		☐ CCME ☐ Sanitary Sewer Bylaw				☒ Job Specific Rush TAT (if applies to entire submission)	
☐ Table 2 ☐ Ind/Comm ☐ Coarse		☐ Reg 558 ☐ Storm Sewer Bylaw				Date Required: Time Required:	
☐ Table 3 ☐ Agri/Other ☐ For RSC		☐ MISA ☐ Municipality				Rush Confirmation Number: (call lab for #)	
☐ Table ☐ PWQO ☐ Reg 406 Table		☐ Other					
Include Criteria on Certificate of Analysis (Y/N)?							
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr / V	# of Bottles	Comments
1	BH131-20 0.8-2	20/11/05	824	Soil	X	1	
2	BH131-20 2.5-4.5	1	833		X	1	
3	BH131-20 5-7	1	841		X	1	
4	BH140-20 1.25-2	1	1336		X	1	
5	BH140-20 2.5-4.5	1	1345		X	1	
6	BH140-20 5-7	1	1349		X	1	
7	BH139-20 1-2	1	1452		X	1	
8	BH139-20 2.5-4	1	1458		X	1	
9	BH139-20 5-5.75	1	1505		X	1	
10	BH134-20 0.75-2	1	1606		X	1	
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Mackenzie Castello		20/11/06	1530	see page 1			
# jars used and not submitted		Laboratory Use Only		Time Sensitive		Temperature (°C) on Recei	Custody Seal
							Present
							Intact
							Yes
							No
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				SAMPLER MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS			
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.				White: BV Labs Yellow: Client			
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.							

Bureau Veritas Canada (2019) Inc.



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 35

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingham Centre Dr		Address: 123 St George St, London		Project: 47477-200		COC #:	
Tel: (519) 743-6500		Tel: (519) 743-6513		Project Name:		Project Manager:	
Email: accounting@mte85.com		Email: MGyba@mte85.com		Site #:		Ronkin Gracian	
Email: mcastell@mte85.com		Email: mcastell@mte85.com		Sample #:		C#799421-06-01	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY							
Regulation 153 (2011)		Other Regulations		Special Instructions		Turnaround Time (TAT) Required:	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine		☐ CCME ☐ Sanitary Sewer Bylaw				Regular (Standard) TAT:	
☐ Table 2 ☐ Ind/Comm ☐ Coarse		☐ Reg 558 ☐ Storm Sewer Bylaw				(will be applied if Rush TAT is not specified)	
☐ Table 3 ☐ Agri/Other ☐ For RSC		☐ MISA Municipality				Standard TAT = 5-7 Working days for most tests.	
☐ Table		☐ PWOO ☐ Reg 406 Table				Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
☐ Other		☐ Other				Job Specific Rush TAT (if applies to entire submission)	
Include Criteria on Certificate of Analysis (Y/N)?						Date Required: Time Required:	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle):	# of Bottles	Comments
1	BH134-20 2.5-5	20/11/05	1612	Soil	Metals / Hg / Cr VI	1	
2	BH134-20 5-7	20/11/05	1616		0 hold	1	
3	BH125-20 0.7-2	20/11/06	807		X	1	
4	BH125-20 2.5-4.5		812		X	1	
5	BH125-20 5-7		818		X	1	Limited sample
6	BH129-20 0.75-2		837		X	1	
7	BH129-20 2.5-4.5		845		X	1	
8	BH129-20 5-7		852		X	1	
9	BH138-20 0.8-2		938		X	1	Limited sample
10	BH138-20 2.5-4.5		945		X	1	
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
mgc@bvlabs.com		20/11/06	1530	See page 1			
# jars used and not submitted		Laboratory Use Only		Time Sensitive		Temperature (°C) on Reel	
		Custody Seal		Present		Yes	
		Intact		Intact		No	
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.		* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.		** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.		SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS	
Bureau Veritas Canada (2019) Inc.						White: BV Labs Yellow: Client	



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 4.5

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingemans Centre Dr		Address: 123 St. George St., London, ON		Project: 47477-200			
Tel: (519) 743-6500 Fax: (519) 743-6513		Tel: (519) 743-6510 Fax:		Project Name:		COC #:	
Email: accounting@mte85.com		Email: MGyba@mte85.com		Site #:		Project Manager:	
		Sampled By: Mackenzie Castello				Ronkin Gracian	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY							
Regulation 153 (2011)		Other Regulations		Special Instructions		Turnaround Time (TAT) Required	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine		☐ CCME ☐ Sanitary Sewer Bylaw		Field Filtered (please circle): Metals / Hg / Cr VI On hold		Please provide advance notice for rush projects	
☐ Table 2 ☐ Ind/Comm ☐ Coarse		☐ Reg 558 ☐ Storm Sewer Bylaw				Regular (Standard) TAT:	
☐ Table 3 ☐ Agri/Other ☐ For RSC		☐ MISA Municipality				(will be applied if Rush TAT is not specified):	
☐ Table		☐ PWQO ☐ Reg 406 Table				Standard TAT = 5-7 Working days for most tests.	
Include Criteria on Certificate of Analysis (Y/N)?						Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix		Job Specific Rush TAT (if applies to entire submission)	
1	BH138-20 5-7	20/11/06	9:49	Soil		Date Required: Time Required:	
2	BH146-20 0.6-2		10:22			Rush Confirmation Number: (call lab for #)	
3	BH146-20 2.5-4.5		10:28			# of Bottles: Comments	
4	BH146-20 5-7		10:33				
5	BH147-20 1-2		11:13				
6	BH147-20 2.5-4.5		11:20				
7	BH147-20 5-7		11:27				
8	BH147-20 2.5-4.5		12:20				
9	BH151-20 0.7-2		12:53				
10	BH151-20 2.5-4.5		12:58			Limited sample	
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Mackenzie Castello		20/11/06	15:30	See page 1			
						# jars used and not submitted	
						Laboratory Use Only	
						Time Sensitive	
						Temperature (°C) on Receipt	
						Custody Seal Present	Yes No
						Intact	
						White: BV Labs	Yellow: Client

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

** IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

Bureau Veritas Canada (2019) Inc.



Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel (905) 817-5700 Toll-free 800-563-6266 Fax (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 55

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc	Attention: Accounts Payable	Company Name: Mackenzie Costello	Attention: Monique Gyba	Quotation #: B90004	P.O. #:	BV Labs Job #:	Bottle Order #:
Address: 520 Bingham Centre Dr	Kitchener ON N2B 3X9	Address: 123 St. George St, London, ON	(519) 743-6500	Project: 47477-200	Project Name:	COC #:	Project Manager:
Tel: (519) 743-6500	Fax: (519) 743-6513	Tel: (519) 743-6510	Fax: (519) 743-6513	Site #:	Sampled By: Mackenzie Costello	Barcode: C#798557-06-01	Ronkin Gracian
Email: accounting@mte85.com		Email: MGYba@mte85.com	mcostello@mte85.com	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)		Turnaround Time (TAT) Required:	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY						Please provide advance notice for rush projects	
Regulation 153 (2011)		Other Regulations		Special Instructions		Regular (Standard) TAT:	
☐ Table 1	☐ Res/Park	☐ Medium/Fine	☐ CCME	☐ Sanitary Sewer Bylaw		(will be applied if Rush TAT is not specified)	
☐ Table 2	☐ Ind/Comm	☐ Coarse	☐ Reg 558	☐ Storm Sewer Bylaw		Standard TAT = 5-7 Working days for most tests.	
☐ Table 3	☐ Agri/Other	☐ For RSC	☐ MISA	☐ Municipality		Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
☐ Table			☐ PWQO	☐ Reg 406 Table		Job Specific Rush TAT (if applies to entire submission)	
Include Criteria on Certificate of Analysis (Y/N)?						Date Required: Time Required:	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle):	# of Bottles	Comments
1	BH151-20 5-7	20/11/06	1305	Soil	Metals / Hg / Cr / V		
2	BH152-20 07-2		1351		OC hold		
3	BH152-20 25-5		1356		X		
4	BH152-20 5-7		1401		X		
5	BH153-20 1-2		1431		X		
6	BH153-20 25-5		1442		X		
7	BH153-20 5-7		1447		X		
8							
9							
10							
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Mackenzie Costello		20/11/06	1530	see page 1			
# jars used and not submitted		Laboratory Use Only		Time Sensitive		Temperature (°C) on Receipt	Custody Seal
							Present
							Intact
							Yes
							No
							White: BV Labs
							Yellow: Client

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

Bureau Veritas Canada (2019) Inc.



BUREAU
VERITAS

BV Labs Job #: COT5982
Report Date: 2020/11/17

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Page 1 of 5

Page 6 of 10



Bureau Veritas Laboratories
6740 Campden Road Mississauga, Ontario Canada L5N 2L9 Tel: (905) 817-6700 Toll-free 800-563-6206 Fax: (905) 817-6727 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 2 of 5

INVOICE TO:		REPORT TO:		PROJECT INFORMATION		Laboratory Use Only:	
Company Name: #6658 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #:	Address: 520 Bingerhans Centre Dr	Attention: Monique Gyba	P.O. #:	Bottle Order #:
Address: 520 Bingerhans Centre Dr	Address: 123 St George St, London, ON	Project: 47477-200		Kitchener ON N2B 3X9		Project Name:	
Tel: (519) 743-6500	Fax: (519) 743-6513	Project Name:				COC #:	Project Manager:
Email: accounting@mte85.com	Email: MGYba@mte85.com	Sample ID:				Barcode:	Workshop Location:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC):			
Regulation 153 (2611)		Other Regulations:		Special Instructions:		Laboratory Use Only:	
☐ Table 1	☐ ResPach	☐ Medium Fine	☐ CCME	☐ Sanitary Sewer Bylaw		Regular (Standard) TAT: ☒	
☐ Table 2	☐ IndCont	☐ Coarse	☐ Reg 558	☐ Storm Sewer Bylaw		Job Specific Rush TAT (if applies to entire submission): ☐	
☐ Table 3	☐ AgriOther	☐ For RSC	☐ MISA	☐ Municipality		Date Required: _____	
☐ Table 4	☐ Other		☐ PWCG	☐ Reg 406 Table		Rush Confirmation Number: _____	
Include Criteria on Certificate of Analysis (Y/N):						Comments:	
Sample Barcode Label	Sample Location/Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle)		
1	BH131-20 0.2-2	20/11/05	824	Soil	X	1	
2	BH131-20 2.5-4.5		833		X	1	
3	BH131-20 5-7		841		X	1	
4	BH140-20 1.25-2		1336		X	X	1
5	BH140-20 2.5-4.5		1345		X		1
6	BH140-20 5-7		1349		X		1
7	BH139-20 1-2		1452		X		1
8	BH139-20 2.5-4		1458		X		1
9	BH139-20 5-7.5		1505		X		1
10	BH139-20 7.5-15		1606		X		1
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
[Signature]		20/11/05	1530	[Signature]			
# Jars used and not submitted		Laboratory Use Only		Date Sampled		Temperature (°C) on Receipt	Custody Seal
							Yes No
							White: BV Labs Yellow: Client

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS



Bureau Veritas Laboratories
6743 Campbell Road, Mississauga, Ontario Canada L5N 6L6 Tel: (905) 817-1700 Fax: (905) 817-1777 Email: info@bv.com

CHAIN OF CUSTODY RECORD

Page 35

INVOICE TO:		REPORT TO:		PROJECT INFORMATION		Laboratory Use Only:	
Company Name	#6858 MTE Consultants Inc	Company Name	MTE Consultants	Customer #	B90004	BV Labs Job #:	Bottle Order #:
Attention	Accounts Payable	Attention	Monique Gysa	P.O. #			
Address	520 Bingham Centre Dr Kitchener ON N2B 3X9	Address	123 St George St, Kitchener	Project Name	47477-200		
Tel	(519) 743-6500	Tel	(519) 743-6510	Site #			
Email	accounting@mte85.com	Email	MGysa@mte85.com				
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)			
Regulation 153 (2011)		Other Regulations		Special Instructions		Turnaround Time (TAT) Required	
☐ Table 1	☐ Res/Park	☐ CCME	☐ Sanitary Sewer Bylaw			Regular (Standard) TAT:	
☐ Table 2	☐ Ind/Comm	☐ Reg 556	☐ Storm Sewer Bylaw			Please provide advance notice for rush projects	
☐ Table 3	☐ Agri/Other	☐ MISA	☐ Municipality			Standard TAT = 5-7 Working days for most tests	
☐ Table	☐ For RSC	☐ PWQC	☐ Reg 406 Table			Please note: Standard TAT for certain tests such as BOD and Coliform counts are + 5 days - contact your Project Manager for details	
Include Criteria on Certificate of Analysis (Y/N)?				Jen Specific Rush TAT (if applies to entire submission)			
Sample Subtype Label	Sample Location / Description	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle)	Metals / Hg / Cr / VI	Time Required
1	BH134-20 25-7-20/11/05	16:12	Soil		X	metals As Soxh	
2	BH134-20 5-7 20/11/05	16:16			X	ph	
3	BH125-20 07-2 20/11/06	8:07			X	OCs	
4	BH125-20 25-45		8:12		X		
5	BH125-20 5-7		8:18		X		Limited sample
6	BH124-20 075-2		8:37		X		
7	BH124-20 25-4.5		8:45		X		
8	BH124-20 5-7		8:52		X		
9	BH133-20 08-2		9:38		X	XXX	Limited sample
10	BH133-20 25-4.5		9:45		X		
RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
M. Gysa		20/11/06	15:35	See page 1			
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS							
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS							
* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS							
Bureau Veritas Canada (2019) Inc.							

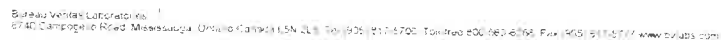


Bureau Veritas Laboratories
6740 Camphor Road, Mississauga, Ontario Canada L4N 2L3 Tel: (905) 871-0200 Toll-free 800-563-6256 Fax: (905) 871-0277 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 45

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc	Accounts Payable	Company Name: MTE Consultants	Monique Gyba	Quotation #: B90004		BV Labs Job #	Bottle Order #:
Attention: 520 Bingham Centre Dr	Kitchener ON N2B 3X9	Address: 123 St George St, London, ON		P.O. #	47477-200		
Tel: (519) 743-6500	Fax: (519) 743-6513	To: (519) 743-6510	Fax:	Project Name		COC #:	Project Manager:
Email: accounting@mte85.com		Email: MGYba@mte85.com		Site #			Work Order:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY		Field Filled (please circle):		ANALYSIS REQUESTED (PLEASE BE SPECIFIC)		Turnaround Time (TAT) Required	
Regulation 153 (2011)		Other Regulations				Please provide advance notice for rush projects	
☐ Table 1	☐ Micro	☐ CCME	☐ Sanitary Sewer Bylaw			Regular (Standard) TAT:	
☐ Table 2	☐ Micro	☐ Reg 556	☐ Storm Sewer Bylaw			(N/A) Be applied if Rush TAT is not specified	
☐ Table 3	☐ Agri/Other	☐ MSA	☐ Municipality			Standard TAT = 5-7 Working days for most tests	
☐ Table	☐ For RSC	☐ PWOC	☐ Reg 406 Table			Please note: Standard TAT for certain tests such as BOD and Dissolved Solids are > 5 days - contact your Project Manager for details	
Include Criteria on Certificate of Analysis (Y/N)?						Job Specific Rush TAT (if applies to entire submission)	
Sample Barcode Label	Sample Location/Identification	Date Sampled	Time Sampled	Matrix		Date Required	Time Required
1	BH138-20 5-7	24/11/06	949	Soil			
2	BH140-20 06-2		1022				
3	BH146-20 25-45		1028				
4	BH146-20 5-7		1033				
5	BH147-20 1-2		1113				
6	BH147-20 25-45		1120				
7	BH147-20 5-7		1127				
8	BH147-20 25-45		1220				
9	BH151-20 07-2		1253				
10	BH151-20 23-45		1259				
RELINQUISHED BY (Signature/Print)		Date (YY/MM/DD)	Time	RECEIVED BY (Signature/Print)		Date (YY/MM/DD)	Time
M. Gyba		20/11/06	1530	See page 1			
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS							
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.							
* SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS							
						SAMPLER MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS	
						White: BV Labs Yellow: Client	



Page 10

Page 10 of 10



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 799421-05-01, 799421-04-01, 799421-02-01

Report Date: 2020/11/24

Report #: R6423382

Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0U0369

Received: 2020/11/11, 14:00

Sample Matrix: Soil
Samples Received: 3

Analyses	Date		Laboratory Method	Analytical Method
	Quantity	Date Extracted	Analyzed	
1,3-Dichloropropene Sum	1	N/A	2020/11/18	EPA 8260C m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	2	N/A	2020/11/19	CAM SOP-00315
Petroleum Hydrocarbons F2-F4 in Soil (2)	1	2020/11/15	2020/11/16	CAM SOP-00316
Petroleum Hydrocarbons F2-F4 in Soil (2)	1	2020/11/19	2020/11/19	CAM SOP-00316
Petroleum Hydrocarbons F2-F4 in Soil (2)	1	2020/11/20	2020/11/21	CAM SOP-00316
F4G (CCME Hydrocarbons Gravimetric)	1	2020/11/18	2020/11/18	CAM SOP-00316
Strong Acid Leachable Metals by ICPMS	1	2020/11/16	2020/11/17	CAM SOP-00447
Moisture	1	N/A	2020/11/13	CAM SOP-00445
Moisture	2	N/A	2020/11/19	CAM SOP-00445
OC Pesticides (Selected) & PCB (3)	1	2020/11/17	2020/11/18	CAM SOP-00307
OC Pesticides Summed Parameters	1	N/A	2020/11/14	CAM SOP-00307
pH CaCl2 EXTRACT	1	2020/11/18	2020/11/18	CAM SOP-00413
Volatile Organic Compounds and F1 PHCs	1	N/A	2020/11/16	CAM SOP-00230

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope



Your Project #: 47477-200

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 799421-05-01, 799421-04-01, 799421-02-01

Report Date: 2020/11/24
Report #: R6423382
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0U0369

Received: 2020/11/11, 14:00

dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) No lab extraction date is given for F18TEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(3) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Ronklin Gracian
Project Manager
24 Nov 2020 16:28:59

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager

Email: Ronklin.Gracian@bvlabs.com

Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			ODJ435		
Sampling Date			2020/11/10 09:45		
COC Number			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
Metals					
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	0.20	7058129
Acid Extractable Arsenic (As)	ug/g	18	2.5	1.0	7058129
Acid Extractable Barium (Ba)	ug/g	220	33	0.50	7058129
Acid Extractable Beryllium (Be)	ug/g	2.5	0.21	0.20	7058129
Acid Extractable Boron (B)	ug/g	36	5.1	5.0	7058129
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.10	0.10	7058129
Acid Extractable Chromium (Cr)	ug/g	70	9.7	1.0	7058129
Acid Extractable Cobalt (Co)	ug/g	21	4.0	0.10	7058129
Acid Extractable Copper (Cu)	ug/g	92	31	0.50	7058129
Acid Extractable Lead (Pb)	ug/g	120	15	1.0	7058129
Acid Extractable Molybdenum (Mo)	ug/g	2	0.83	0.50	7058129
Acid Extractable Nickel (Ni)	ug/g	82	9.6	0.50	7058129
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	0.50	7058129
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	0.20	7058129
Acid Extractable Thallium (Tl)	ug/g	1	0.067	0.050	7058129
Acid Extractable Uranium (U)	ug/g	2.5	0.39	0.050	7058129
Acid Extractable Vanadium (V)	ug/g	86	19	5.0	7058129
Acid Extractable Zinc (Zn)	ug/g	290	54	5.0	7058129
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					

BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			ODJ435		
Sampling Date			2020/11/10 09:45		
COC Number			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	<0.010	0.010	7055315
o,p-DDD + p,p-DDD	ug/g	-	<0.010	0.010	7055315
o,p-DDE + p,p-DDE	ug/g	-	<0.010	0.010	7055315
o,p-DDT + p,p-DDT	ug/g	-	<0.010	0.010	7055315
Total Endosulfan	ug/g	-	<0.010	0.010	7055315
Pesticides & Herbicides					
Aldrin	ug/g	0.05	<0.010	0.010	7060684
a-Chlordane	ug/g	0.05	<0.010	0.010	7060684
g-Chlordane	ug/g	0.05	<0.010	0.010	7060684
o,p-DDD	ug/g	0.05	<0.010	0.010	7060684
p,p-DDD	ug/g	0.05	<0.010	0.010	7060684
o,p-DDE	ug/g	0.05	<0.010	0.010	7060684
p,p-DDE	ug/g	0.05	<0.010	0.010	7060684
o,p-DDT	ug/g	1.4	<0.010	0.010	7060684
p,p-DDT	ug/g	1.4	<0.010	0.010	7060684
Dieldrin	ug/g	0.05	<0.010	0.010	7060684
Lindane	ug/g	0.01	<0.010	0.010	7060684
Endosulfan I (alpha)	ug/g	0.04	<0.010	0.010	7060684
Endosulfan II (beta)	ug/g	0.04	<0.010	0.010	7060684
Endrin	ug/g	0.04	<0.010	0.010	7060684
Heptachlor	ug/g	0.05	<0.010	0.010	7060684
Heptachlor epoxide	ug/g	0.05	<0.010	0.010	7060684
Hexachlorobenzene	ug/g	0.01	<0.010	0.010	7060684
Hexachlorobutadiene	ug/g	0.01	<0.010	0.010	7060684
Hexachloroethane	ug/g	0.01	<0.010	0.010	7060684
Methoxychlor	ug/g	0.05	<0.025	0.025	7060684
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	109		7060684
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			ODJ435		
Sampling Date			2020/11/10 09:45		
COC Number			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
Decachlorobiphenyl	%	-	81		7060684
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID			ODJ435		
Sampling Date			2020/11/10 09:45		
COC Number			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
Inorganics					
Moisture	%	-	4.6	1.0	7055140
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	0.05	<0.050	0.050	7055166
Volatile Organics					
Acetone (2-Propanone)	ug/g	0.5	<0.50	0.50	7056921
Benzene	ug/g	0.02	<0.020	0.020	7056921
Bromodichloromethane	ug/g	0.05	<0.050	0.050	7056921
Bromoform	ug/g	0.05	<0.050	0.050	7056921
Bromomethane	ug/g	0.05	<0.050	0.050	7056921
Carbon Tetrachloride	ug/g	0.05	<0.050	0.050	7056921
Chlorobenzene	ug/g	0.05	<0.050	0.050	7056921
Chloroform	ug/g	0.05	<0.050	0.050	7056921
Dibromochloromethane	ug/g	0.05	<0.050	0.050	7056921
1,2-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7056921
1,3-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7056921
1,4-Dichlorobenzene	ug/g	0.05	<0.050	0.050	7056921
Dichlorodifluoromethane (FREON 12)	ug/g	0.05	<0.050	0.050	7056921
1,1-Dichloroethane	ug/g	0.05	<0.050	0.050	7056921
1,2-Dichloroethane	ug/g	0.05	<0.050	0.050	7056921
1,1-Dichloroethylene	ug/g	0.05	<0.050	0.050	7056921
cis-1,2-Dichloroethylene	ug/g	0.05	<0.050	0.050	7056921
trans-1,2-Dichloroethylene	ug/g	0.05	<0.050	0.050	7056921
1,2-Dichloropropane	ug/g	0.05	<0.050	0.050	7056921
cis-1,3-Dichloropropene	ug/g	0.05	<0.030	0.030	7056921
trans-1,3-Dichloropropene	ug/g	0.05	<0.040	0.040	7056921
Ethylbenzene	ug/g	0.05	<0.020	0.020	7056921
Ethylene Dibromide	ug/g	0.05	<0.050	0.050	7056921
Hexane	ug/g	0.05	<0.050	0.050	7056921
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID			ODJ435		
Sampling Date			2020/11/10 09:45		
COC Number			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
Methylene Chloride(Dichloromethane)	ug/g	0.05	<0.050	0.050	7056921
Methyl Ethyl Ketone (2-Butanone)	ug/g	0.5	<0.50	0.50	7056921
Methyl Isobutyl Ketone	ug/g	0.5	<0.50	0.50	7056921
Methyl t-butyl ether (MTBE)	ug/g	0.05	<0.050	0.050	7056921
Styrene	ug/g	0.05	<0.050	0.050	7056921
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.050	0.050	7056921
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.050	0.050	7056921
Tetrachloroethylene	ug/g	0.05	<0.050	0.050	7056921
Toluene	ug/g	0.2	<0.020	0.020	7056921
1,1,1-Trichloroethane	ug/g	0.05	<0.050	0.050	7056921
1,1,2-Trichloroethane	ug/g	0.05	<0.050	0.050	7056921
Trichloroethylene	ug/g	0.05	<0.050	0.050	7056921
Trichlorofluoromethane (FREON 11)	ug/g	0.25	<0.050	0.050	7056921
Vinyl Chloride	ug/g	0.02	<0.020	0.020	7056921
p+m-Xylene	ug/g	-	<0.020	0.020	7056921
o-Xylene	ug/g	-	<0.020	0.020	7056921
Total Xylenes	ug/g	0.05	<0.020	0.020	7056921
F1 (C6-C10)	ug/g	25	<10	10	7056921
F1 (C6-C10) - BTEX	ug/g	25	<10	10	7056921
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	7057400
F3 (C16-C34 Hydrocarbons)	ug/g	240	430	50	7057400
F4 (C34-C50 Hydrocarbons)	ug/g	120	1600	50	7057400
Reached Baseline at C50	ug/g	-	No		7057400
Surrogate Recovery (%)					
o-Terphenyl	%	-	79		7057400
4-Bromofluorobenzene	%	-	100		7056921
D10-o-Xylene	%	-	110		7056921
D4-1,2-Dichloroethane	%	-	102		7056921
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use					



BUREAU
VERITAS

BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID				ODJ435		
Sampling Date				2020/11/10 09:45		
COC Number				799421-05-01		
		UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch
D8-Toluene		%	-	95		7056921
No Fill	No Exceedance					
Grey	Exceeds 1 criteria policy/level					
Black	Exceeds both criteria/levels					
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)						
Table 1: Full Depth Background Site Condition Standards						
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use						



BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		ODJ435		ODJ436		ODJ438		
Sampling Date		2020/11/10 09:45		2020/11/10 09:49		2020/11/10 10:18		
COC Number		799421-05-01		799421-05-01		799421-05-01		
	UNITS	MW106-20 0-1.25	QC Batch	MW106-20 1.25-2	QC Batch	MW106-20 5-7	RDL	QC Batch
Inorganics								
Moisture	%			13	7066074	16	1.0	7064993
Available (CaCl ₂) pH	pH	7.91	7062518					
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								



BUREAU
VERITAS

BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

PETROLEUM HYDROCARBONS (CCME)

BV Labs ID			ODJ435			ODJ436		
Sampling Date			2020/11/10 09:45			2020/11/10 09:49		
COC Number			799421-05-01			799421-05-01		
	UNITS	Criteria	MW106-20 0-1.25	RDL	QC Batch	MW106-20 1.25-2	RDL	QC Batch
BTEX & F1 Hydrocarbons								
F1 (C6-C10)	ug/g	25				<10	10	7065407
F1 (C6-C10) - BTEX	ug/g	25				<10	10	7065407
F2-F4 Hydrocarbons								
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	120	7400	100	7062046			
F2 (C10-C16 Hydrocarbons)	ug/g	10				<10	10	7067767
F3 (C16-C34 Hydrocarbons)	ug/g	240				<50	50	7067767
F4 (C34-C50 Hydrocarbons)	ug/g	120				<50	50	7067767
Reached Baseline at C50	ug/g	-				Yes		7067767
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	-				100		7065407
4-Bromofluorobenzene	%	-				95		7065407
D10-o-Xylene	%	-				89		7065407
D4-1,2-Dichloroethane	%	-				100		7065407
o-Terphenyl	%	-				91		7067767
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)								
Table 1: Full Depth Background Site Condition Standards								
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use								



BUREAU
VERITAS

BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

PETROLEUM HYDROCARBONS (CCME)

BV Labs ID			ODJ436			ODJ438		
Sampling Date			2020/11/10 09:49			2020/11/10 10:18		
COC Number			799421-05-01			799421-05-01		
	UNITS	Criteria	MW106-20 1.25-2 Lab-Dup	RDL	QC Batch	MW106-20 5-7	RDL	QC Batch
BTEX & F1 Hydrocarbons								
F1 (C6-C10)	ug/g	25	<10	10	7065407	<10	10	7065407
F1 (C6-C10) - BTEX	ug/g	25	<10	10	7065407	<10	10	7065407
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	10				<10	10	7065484
F3 (C16-C34 Hydrocarbons)	ug/g	240				<50	50	7065484
F4 (C34-C50 Hydrocarbons)	ug/g	120				<50	50	7065484
Reached Baseline at C50	ug/g	-				Yes		7065484
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	-	98		7065407	99		7065407
4-Bromofluorobenzene	%	-	92		7065407	94		7065407
D10-o-Xylene	%	-	89		7065407	92		7065407
D4-1,2-Dichloroethane	%	-	101		7065407	101		7065407
o-Terphenyl	%	-				83		7065484
No Fill	No Exceedance							
Grey	Exceeds 1 criteria policy/level							
Black	Exceeds both criteria/levels							
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
Lab-Dup = Laboratory Initiated Duplicate								
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)								
Table 1: Full Depth Background Site Condition Standards								
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use								



BV Labs Job #: COU0369
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: ODJ435
Sample ID: MW106-20 0-1.25
Matrix: Soil

Collected: 2020/11/10
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7055166	N/A	2020/11/18	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7057400	2020/11/15	2020/11/16	Biljana Lazovic
F4G (CCME Hydrocarbons Gravimetric)	BAL	7062046	2020/11/18	2020/11/18	Rashmi Dubey
Strong Acid Leachable Metals by ICPMS	ICP/MS	7058129	2020/11/16	2020/11/17	Viviana Canzonieri
Moisture	BAL	7055140	N/A	2020/11/13	Min Yang
OC Pesticides (Selected) & PCB	GC/ECD	7060684	2020/11/17	2020/11/18	Li Peng
OC Pesticides Summed Parameters	CALC	7055315	N/A	2020/11/14	Automated Statchk
pH CaCl2 EXTRACT	AT	7062518	2020/11/18	2020/11/18	Neil Dassanayake
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7056921	N/A	2020/11/16	Denis Reid

BV Labs ID: ODJ436
Sample ID: MW106-20 1.25-2
Matrix: Soil

Collected: 2020/11/10
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7065407	N/A	2020/11/19	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7067767	2020/11/20	2020/11/21	Prabhjot Gulati
Moisture	BAL	7066074	N/A	2020/11/19	Prgya Panchal

BV Labs ID: ODJ436 Dup
Sample ID: MW106-20 1.25-2
Matrix: Soil

Collected: 2020/11/10
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7065407	N/A	2020/11/19	Abdikarim Ali

BV Labs ID: ODJ438
Sample ID: MW106-20 5-7
Matrix: Soil

Collected: 2020/11/10
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7065407	N/A	2020/11/19	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7065484	2020/11/19	2020/11/19	Margaret Kulczyk-Stanko
Moisture	BAL	7064993	N/A	2020/11/19	Min Yang



GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.7°C
Package 2	1.3°C

Revised Report [2020/11/24]: PHC analysis included on MW106-20 1.25-2 and MW106-20 5-7 as per client request.

Sample ODJ435 [MW106-20 0-1.25] : OC Pesticide Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: C0U0369

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7056921	4-Bromofluorobenzene	2020/11/16	103	60 - 140	101	60 - 140	98	%		
7056921	D10-o-Xylene	2020/11/16	114	60 - 130	105	60 - 130	115	%		
7056921	D4-1,2-Dichloroethane	2020/11/16	100	60 - 140	101	60 - 140	98	%		
7056921	D8-Toluene	2020/11/16	100	60 - 140	101	60 - 140	97	%		
7057400	o-Terphenyl	2020/11/16	81	60 - 130	81	60 - 130	80	%		
7060684	2,4,5,6-Tetrachloro-m-xylene	2020/11/18	94	50 - 130	92	50 - 130	86	%		
7060684	Decachlorobiphenyl	2020/11/18	99	50 - 130	95	50 - 130	91	%		
7065407	1,4-Difluorobenzene	2020/11/19	97	60 - 140	98	60 - 140	99	%		
7065407	4-Bromofluorobenzene	2020/11/19	95	60 - 140	94	60 - 140	94	%		
7065407	D10-o-Xylene	2020/11/19	89	60 - 140	85	60 - 140	86	%		
7065407	D4-1,2-Dichloroethane	2020/11/19	96	60 - 140	93	60 - 140	100	%		
7065484	o-Terphenyl	2020/11/19	82	60 - 130	82	60 - 130	81	%		
7067767	o-Terphenyl	2020/11/20	89	60 - 130	87	60 - 130	94	%		
7055140	Moisture	2020/11/13							1.5	20
7056921	1,1,1,2-Tetrachloroethane	2020/11/16	93	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7056921	1,1,1-Trichloroethane	2020/11/16	98	60 - 140	95	60 - 130	<0.050	ug/g	NC	50
7056921	1,1,2,2-Tetrachloroethane	2020/11/16	85	60 - 140	89	60 - 130	<0.050	ug/g	NC	50
7056921	1,1,2-Trichloroethane	2020/11/16	92	60 - 140	95	60 - 130	<0.050	ug/g	NC	50
7056921	1,1-Dichloroethane	2020/11/16	91	60 - 140	91	60 - 130	<0.050	ug/g	NC	50
7056921	1,1-Dichloroethylene	2020/11/16	99	60 - 140	98	60 - 130	<0.050	ug/g	NC	50
7056921	1,2-Dichlorobenzene	2020/11/16	91	60 - 140	90	60 - 130	<0.050	ug/g	NC	50
7056921	1,2-Dichloroethane	2020/11/16	94	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7056921	1,2-Dichloropropane	2020/11/16	93	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7056921	1,3-Dichlorobenzene	2020/11/16	94	60 - 140	91	60 - 130	<0.050	ug/g	NC	50
7056921	1,4-Dichlorobenzene	2020/11/16	110	60 - 140	107	60 - 130	<0.050	ug/g	NC	50
7056921	Acetone (2-Propanone)	2020/11/16	115	60 - 140	121	60 - 140	<0.50	ug/g	NC	50
7056921	Benzene	2020/11/16	88	60 - 140	87	60 - 130	<0.020	ug/g	NC	50
7056921	Bromodichloromethane	2020/11/16	95	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7056921	Bromoform	2020/11/16	91	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7056921	Bromomethane	2020/11/16	96	60 - 140	99	60 - 140	<0.050	ug/g	NC	50
7056921	Carbon Tetrachloride	2020/11/16	96	60 - 140	93	60 - 130	<0.050	ug/g	NC	50

BUREAU
VERITAS

BV Labs Job #: C0U0369

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7056921	Chlorobenzene	2020/11/16	95	60 - 140	93	60 - 130	<0.050	ug/g	NC	50
7056921	Chloroform	2020/11/16	95	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7056921	cis-1,2-Dichloroethylene	2020/11/16	98	60 - 140	96	60 - 130	<0.050	ug/g	NC	50
7056921	cis-1,3-Dichloropropene	2020/11/16	96	60 - 140	97	60 - 130	<0.030	ug/g	NC	50
7056921	Dibromochloromethane	2020/11/16	91	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7056921	Dichlorodifluoromethane (FREON 12)	2020/11/16	91	60 - 140	93	60 - 140	<0.050	ug/g	NC	50
7056921	Ethylbenzene	2020/11/16	87	60 - 140	86	60 - 130	<0.020	ug/g	NC	50
7056921	Ethylene Dibromide	2020/11/16	92	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7056921	F1 (C6-C10) - BTEX	2020/11/16					<10	ug/g	NC	30
7056921	F1 (C6-C10)	2020/11/16	100	60 - 140	91	80 - 120	<10	ug/g	NC	30
7056921	Hexane	2020/11/16	97	60 - 140	96	60 - 130	<0.050	ug/g	NC	50
7056921	Methyl Ethyl Ketone (2-Butanone)	2020/11/16	110	60 - 140	116	60 - 140	<0.50	ug/g	NC	50
7056921	Methyl Isobutyl Ketone	2020/11/16	97	60 - 140	102	60 - 130	<0.50	ug/g	NC	50
7056921	Methyl t-butyl ether (MTBE)	2020/11/16	94	60 - 140	93	60 - 130	<0.050	ug/g	NC	50
7056921	Methylene Chloride(Dichloromethane)	2020/11/16	97	60 - 140	97	60 - 130	<0.050	ug/g	NC	50
7056921	o-Xylene	2020/11/16	87	60 - 140	86	60 - 130	<0.020	ug/g	NC	50
7056921	p+m-Xylene	2020/11/16	89	60 - 140	88	60 - 130	<0.020	ug/g	NC	50
7056921	Styrene	2020/11/16	97	60 - 140	96	60 - 130	<0.050	ug/g	NC	50
7056921	Tetrachloroethylene	2020/11/16	91	60 - 140	88	60 - 130	<0.050	ug/g	NC	50
7056921	Toluene	2020/11/16	87	60 - 140	86	60 - 130	<0.020	ug/g	NC	50
7056921	Total Xylenes	2020/11/16					<0.020	ug/g	NC	50
7056921	trans-1,2-Dichloroethylene	2020/11/16	97	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7056921	trans-1,3-Dichloropropene	2020/11/16	102	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
7056921	Trichloroethylene	2020/11/16	102	60 - 140	97	60 - 130	<0.050	ug/g	NC	50
7056921	Trichlorofluoromethane (FREON 11)	2020/11/16	99	60 - 140	96	60 - 130	<0.050	ug/g	NC	50
7056921	Vinyl Chloride	2020/11/16	94	60 - 140	98	60 - 130	<0.020	ug/g	NC	50
7057400	F2 (C10-C16 Hydrocarbons)	2020/11/16	90	50 - 130	89	80 - 120	<10	ug/g	NC	30
7057400	F3 (C16-C34 Hydrocarbons)	2020/11/16	97	50 - 130	98	80 - 120	<50	ug/g	11	30
7057400	F4 (C34-C50 Hydrocarbons)	2020/11/16	95	50 - 130	95	80 - 120	<50	ug/g	NC	30
7058129	Acid Extractable Antimony (Sb)	2020/11/17	98	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7058129	Acid Extractable Arsenic (As)	2020/11/17	108	75 - 125	102	80 - 120	<1.0	ug/g	2.1	30

BUREAU
VERITAS

BV Labs Job #: C0U0369

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7058129	Acid Extractable Barium (Ba)	2020/11/17	NC	75 - 125	99	80 - 120	<0.50	ug/g	6.6	30
7058129	Acid Extractable Beryllium (Be)	2020/11/17	107	75 - 125	97	80 - 120	<0.20	ug/g	2.4	30
7058129	Acid Extractable Boron (B)	2020/11/17	98	75 - 125	96	80 - 120	<5.0	ug/g	1.5	30
7058129	Acid Extractable Cadmium (Cd)	2020/11/17	106	75 - 125	97	80 - 120	<0.10	ug/g	27	30
7058129	Acid Extractable Chromium (Cr)	2020/11/17	NC	75 - 125	99	80 - 120	<1.0	ug/g	1.1	30
7058129	Acid Extractable Cobalt (Co)	2020/11/17	106	75 - 125	98	80 - 120	<0.10	ug/g	2.5	30
7058129	Acid Extractable Copper (Cu)	2020/11/17	104	75 - 125	100	80 - 120	<0.50	ug/g	0.26	30
7058129	Acid Extractable Lead (Pb)	2020/11/17	103	75 - 125	101	80 - 120	<1.0	ug/g	2.4	30
7058129	Acid Extractable Molybdenum (Mo)	2020/11/17	106	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
7058129	Acid Extractable Nickel (Ni)	2020/11/17	109	75 - 125	99	80 - 120	<0.50	ug/g	0.32	30
7058129	Acid Extractable Selenium (Se)	2020/11/17	111	75 - 125	106	80 - 120	<0.50	ug/g	NC	30
7058129	Acid Extractable Silver (Ag)	2020/11/17	104	75 - 125	98	80 - 120	<0.20	ug/g	NC	30
7058129	Acid Extractable Thallium (Tl)	2020/11/17	103	75 - 125	100	80 - 120	<0.050	ug/g	2.5	30
7058129	Acid Extractable Uranium (U)	2020/11/17	104	75 - 125	100	80 - 120	<0.050	ug/g	1.1	30
7058129	Acid Extractable Vanadium (V)	2020/11/17	NC	75 - 125	97	80 - 120	<5.0	ug/g	0.90	30
7058129	Acid Extractable Zinc (Zn)	2020/11/17	NC	75 - 125	100	80 - 120	<5.0	ug/g	0.93	30
7060684	a-Chlordane	2020/11/18	88	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
7060684	Aldrin	2020/11/18	79	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
7060684	Dieldrin	2020/11/18	102	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7060684	Endosulfan I (alpha)	2020/11/18	73	50 - 130	66	50 - 130	<0.0020	ug/g	NC	40
7060684	Endosulfan II (beta)	2020/11/18	85	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
7060684	Endrin	2020/11/18	97	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7060684	g-Chlordane	2020/11/18	89	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
7060684	Heptachlor epoxide	2020/11/18	89	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7060684	Heptachlor	2020/11/18	82	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
7060684	Hexachlorobenzene	2020/11/18	85	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
7060684	Hexachlorobutadiene	2020/11/18	65	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7060684	Hexachloroethane	2020/11/18	56	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7060684	Lindane	2020/11/18	100	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
7060684	Methoxychlor	2020/11/18	94	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
7060684	o,p-DDD	2020/11/18	106	50 - 130	96	50 - 130	<0.0020	ug/g	NC	40



BUREAU
VERITAS

BV Labs Job #: C0U0369

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7060684	o,p-DDE	2020/11/18	109	50 - 130	95	50 - 130	<0.0020	ug/g	NC	40
7060684	o,p-DDT	2020/11/18	99	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7060684	p,p-DDD	2020/11/18	100	50 - 130	90	50 - 130	<0.0020	ug/g	NC	40
7060684	p,p-DDE	2020/11/18	88	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7060684	p,p-DDT	2020/11/18	100	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7062046	F4G-sg (Grav. Heavy Hydrocarbons)	2020/11/18	95	65 - 135	101	65 - 135	<100	ug/g	12	50
7062518	Available (CaCl ₂) pH	2020/11/18			100	97 - 103			0.31	N/A
7064993	Moisture	2020/11/19							3.3	20
7065407	F1 (C6-C10) - BTEX	2020/11/19					<10	ug/g	NC	30
7065407	F1 (C6-C10)	2020/11/19	89	60 - 140	83	80 - 120	<10	ug/g	NC	30
7065484	F2 (C10-C16 Hydrocarbons)	2020/11/19	93	50 - 130	93	80 - 120	<10	ug/g	NC	30
7065484	F3 (C16-C34 Hydrocarbons)	2020/11/19	100	50 - 130	101	80 - 120	<50	ug/g	NC	30
7065484	F4 (C34-C50 Hydrocarbons)	2020/11/19	98	50 - 130	98	80 - 120	<50	ug/g	NC	30
7066074	Moisture	2020/11/19							0	20
7067767	F2 (C10-C16 Hydrocarbons)	2020/11/21	93	50 - 130	93	80 - 120	<10	ug/g	NC	30
7067767	F3 (C16-C34 Hydrocarbons)	2020/11/21	102	50 - 130	102	80 - 120	<50	ug/g	NC	30
7067767	F4 (C34-C50 Hydrocarbons)	2020/11/21	100	50 - 130	99	80 - 120	<50	ug/g	NC	30

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

Eva Pranjic, M.Sc., C.Chem, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 23 of 3

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingham Centre Dr		Address: 123 St. George St., London, ON		Project: 47477-200		799421	
Kitchener ON N2B 3X9		(519) 204-6510		Project Name:		COC #:	
Tel: (519) 743-6500 Fax: (519) 743-6513		Tel: 204-6510		Site #:		Project Manager:	
Email: accounting@mte85.com		Email: MGyba@mte85.com		Sampled By: Mackenzie Costello		Ronkin Gracian	

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY					ANALYSIS REQUESTED (PLEASE BE SPECIFIC)										Turnaround Time (TAT) Required: Please provide advance notice for rush projects					
Regulation 153 (2011)			Other Regulations			Special Instructions			Field Filtered (please circle): Metals / Hg / Cr / VI On hold										Regular (Standard) TAT: (will be applied if Rush TAT is not specified): Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details. Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table _____			☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____																	
Include Criteria on Certificate of Analysis (Y/N)?																				
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix												# of Bottles	Comments			
1	MW106-20 7.5-9	20/11/10	10:21	Soil												4				
2	MW106-20 9-9.5		10:26													3	Limited sample.			
3	MW106-20 10-12		10:45													4				
4	MW106-20 12.5-14.5		11:05													4				
5	MW106-20 15-17		11:15													4				
6	MW106-20 17.5-19.5		11:27													4				
7	MW106-20 21.5-22		11:35													4	Limited sample			
8	MW106-20 22.5-24.5		11:46													4				
9	MW106-20 25-26		12:00													3				
10	MW106-20 26-27		12:05													3				

* RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Mackenzie Costello		20/11/11	5:30 AM	Christine G. Gorton		20/11/11	1400		Time Sensitive	Temperature (°C) on Receipt	Custody Seal	Yes	No
										23.3/30.1°C	Present		
											Intact		

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

White: BV Labs Yellow: Client

SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS.



Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 33 of 33

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingham Centre Dr		Address: 123 St. George St, London, ON		Project: 47477-200		COC #:	
Tel: (519) 743-6500		Tel: (519) 204-6510		Project Name:		Project Manager:	
Email: accounting@mte85.com		Email: MGyba@mte85.com		Site #:		Ronkin Gracian	
Fax: (519) 743-6513		Fax:		Sampled By: Mackenzie Castello		Turnaround Time (TAT) Required:	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)			
Regulation 153 (2011)		Other Regulations		Special Instructions		Regular (Standard) TAT:	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine		☐ CCME ☐ Sanitary Sewer Bylaw				(will be applied if Rush TAT is not specified):	
☐ Table 2 ☐ Ind/Comm ☐ Coarse		☐ Reg 558 ☐ Storm Sewer Bylaw				Standard TAT = 5-7 Working days for most tests.	
☐ Table 3 ☐ Agri/Other ☐ For RSC		☐ MISA ☐ Municipality				Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.	
☐ Table		☐ PWQO ☐ Reg 406 Table				Job Specific Rush TAT (if applies to entire submission)	
		☐ Other				Date Required: Time Required:	
Include Criteria on Certificate of Analysis (Y/N)?						Rush Confirmation Number: (call lab for #)	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle):	# of Bottles	Comments
1	MW1106-20 22.5-24.5	20/11/10	12:46	Soil	Metals / Hg / Cr / VI	4	Limited sample
2	MW105-20 1-2	14:16			on hold	1	↓
3	MW105-20 25-4.5	14:23			X	1	
4	MW105-20 5-7	14:36			X	1	
5							
6							
7							
8							
9							
10							
* RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Mackenzie Castello		20/11/11	5:30 AM	Monique Gyba		20/11/11	14:00
# Jars used and not submitted		Laboratory Use Only		Time Sensitive		Temperature (°C) on Recept	Custody Seal
						23.3/30.1°C	Present
							Intact
							Yes
							No
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				SAMPLER MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS			
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.				White: BV Labs Yellow: Client			
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.							

Bureau Veritas Canada (2019) Inc.



BUREAU
VERITAS

BV Labs Job #: COU0369

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
MW106-20 0-1.25	ODJ435-01	F3 (C16-C34 Hydrocarbons)	240	430	50	ug/g
MW106-20 0-1.25	ODJ435-01	F4 (C34-C50 Hydrocarbons)	120	1600	50	ug/g
MW106-20 0-1.25	ODJ435-01	F4G-sg (Grav. Heavy Hydrocarbons)	120	7400	100	ug/g

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.



Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

11-Nov-20 14:00

Ronklin Gracian

COU0369

Page 1 of 3

INVOICE TO: Company Name: #6868 MTE Consultants Inc Attention: Accounts Payable Address: 520 Bingham Centre Dr, Kitchener ON N2B 3X9 Tel: (519) 743-6500 Fax: (519) 743-6513 Email: accounting@mte85.com		REPORT TO: Company Name: MTE Consultants Attention: Monique Gyba Address: 123 St George St, London ON Tel: (519) 204-6510 Fax: MGyba@mte85.com mcastello@mte85.com		PROJECT INFORMATION: Quotation #: B90004 P.O. #: 47477-200 Project Name: FNV-006 Site #: 6666666666666666 Issued By: Mackenzie Costello		Only: Bottle Order #: 759421 Project Manager: Ronklin Gracian	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC): On hold metals As above pH OCs PHCs VOCs		Turnaround Time (TAT) Required: Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dissolved Solids are + 5 days - contact your Project Manager for details. Job Specific Rush TAT (if applies to entire submission) Date Required: Time Required: Rush Confirmation Number:	
Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table		Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality ☐ PWGO ☐ Reg 406 Table ☐ Other		Special Instructions		Field Filtered (please circle): Metals / Hg / Cr / VI	
Include Criteria on Certificate of Analysis (Y/N)?							
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix			
1	MW108-20 1-2	20/11/09	8:30	Soil	X		Limited sample
2	MW108-20 2.5-4.5		8:39		X		
3	MW108-20 5-7		8:53		X		
4	BH133-20 1.1-2		15:45		X		
5	BH133-20 2.5-4.5		15:48		X		
6	BH133-20 5-7		15:53		X		Limited sample
7	MW106-20 0-1.25	20/11/10	9:45		X	X X X X X	
8	MW106-20 1.25-2		9:49		X		
9	MW106-20 2.5-4.5		10:04		X		Limited sample
10	MW106-20 5-7		10:18		X		
* RELINQUISHED BY: (Signature/Print) Mackenzie Costello		Date: (YY/MM/DD) 20/11/11	Time: 11:00	RECEIVED BY: (Signature/Print) DIPKA SINGH		Date: (YY/MM/DD) 20/11/11	Time: 17:40
# jars used and not submitted		Laboratory Use Only Time Sensitive: 233/30.1°C		Temperature (°C) on Receipt: 233/30.1°C		Custody Seal: Present Intact: Yes	
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.			



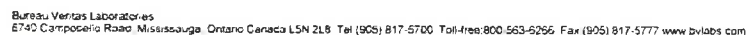
Bureau Veritas Laboratories
6740 Campbell Road, Mississauga, Ontario Canada L5N 2L9 Tel: (905) 817-5700 Toll-free 800-563-6266 Fax: (905) 817-5777 www.bvlab.com

CHAIN OF CUSTODY RECORD

Page 2 of 3

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name	#5868 MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	B90004	BV Labs Job #:	Bottle Order #:
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			
Address	520 Bingham Centre Dr Kitchener ON N2B 3X9	Address	123 St. George St, London, ON	Project	47477-200		
Tel	(519) 743-6500	Tel	(519) 204-6510	Project Name		COC #:	Project Manager:
Email	accounting@mte85.com	Email	MGyba@mte85.com	Site #			
				Sampled By	Mackenzie Costello		
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)		Turnaround Time (TAT) Required: Please provide advance notice for rush projects.	
Regulation 153 (2011)		Other Regulations		Special Instructions		Regular (Standard) TAT: (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dissolved Solids are > 5 days - contact your Project Manager for details.	
☐ Table 1 ☐ Res/Park ☐ Medium/Fine		☐ CCME ☐ Sanitary Sewer Bylaw				☒ Rush TAT	
☐ Table 2 ☐ Ind/Comm ☐ Coarse		☐ Reg 558 ☐ Storm Sewer Bylaw				Job Specific Rush TAT (if applies to entire submission)	
☐ Table 3 ☐ Agri/Other ☐ For RSC		☐ MISA ☐ Municipality				Date Required: _____ Time Required: _____	
☐ Table _____		☐ PWOD ☐ Reg 406 Table				Rush Confirmation Number: _____	
☐ Other _____						# of Bottles _____	
Include Criteria on Certificate of Analysis (Y/N)?				Field Filtered (please circle): Metals / Hg / Cr / V		Comments	
Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix			
1	MW106-20 7.5-A	20/11/10	10:21	Soil	X		4
2	MW106-20 9-9.5		10:26		X		3 Limited sample.
3	MW106-20 10-12		10:45		X		4
4	MW106-20 12.5-14.5		11:05		X		4
5	MW106-20 15-17		11:15		X		4
6	MW106-20 17.5-19.5		11:27		X		4
7	MW106-20 21.5-22		11:35		X		4 Limited sample
8	MW106-20 22.5-24.5		11:46		X		4
9	MW106-20 25-26		12:00		X		3
10	MW106-20 26-27		12:05		X		3
* RELINQUISHED BY: (Signature/Print)		Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)		Date: (YY/MM/DD)	Time
Mackenzie Costello		20/11/11	5:30 PM	Monique Gyba		20/11/11	1400
# jars used and not submitted		Laboratory Use Only		Time Sensitive		Temperature (°C) on Recd	Custody Seal
						23.3/30.1 C	Present
							Intact
							Yes
							No
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.			
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.				SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS			

Bureau Veritas Canada (2019) Inc.



CHAIN OF CUSTODY RECORD

Page 3 of 4

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name #6868 MTE Consultants Inc		Company Name MTE Consultants		Quotation # B90004		BV Labs Job #:	
Attention Accounts Payable		Attention Monique Gyba		P.O. #		Bottle Order #:	
Address 520 Bingham Centre Dr		Address 123 St George St London, ON		Project 47477-200		COC #:	
City/Kitchener ON N2B 3X9		Tel (519) 743-6500 Fax (519) 743-6513		Project Name		Project Manager:	
Email accounting@mte85.com		Tel (519) 204-6510 Fax		Site #		Ronkin Gracian	
Email mgyba@mte85.com mcastello@mte85.com		Sampled By Mackenzie Castello		C4799421-02-01			
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)			
Regulation 153 (2011)				Field Filtered (please circle):			
Other Regulations				Metals / Hg / Cr VI			
Special Instructions							
Include Criteria on Certificate of Analysis (Y/N)?							
Sample Bar code Label		Sample (Location) Identification		Date Sampled		Time Sampled	
Matrix							
1		MW1106-20 ^{22.5-24.5}		20/11/11		12:46	
2		MW105-20 1-2		14:16		14:23	
3		MW105-20 ^{25-29.5}		14:36			
4		MW105-20 ^{25-29.5}		14:36			
5							
6							
7							
8							
9							
10							
* RELINQUISHED BY: (Signature/Print)				Date: (YY/MM/DD)		Time	
* RECEIVED BY: (Signature/Print)				Date: (YY/MM/DD)		Time	
* jars used and not submitted				Laboratory Use Only		Time Sensitive	
Temperature (°C) on Receipt				Custody Seal Present		Yes	
23/30.1°C				Intact		No	
White: BV Labs				Yellow: Client			
* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.				SAMPLES MUST BE KEPT COOL (< 10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS			
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.							
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.							



Your Project #: 47477-200
Your C.O.C. #: 799421-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/24

Report #: R6422815

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0U4818

Received: 2020/11/16, 12:10

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Strong Acid Leachable Metals by ICPMS	2	2020/11/19	2020/11/20	CAM SOP-00447	EPA 6020B m
Moisture	2	N/A	2020/11/19	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	2	2020/11/19	2020/11/20	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	2	N/A	2020/11/20	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	2	2020/11/23	2020/11/23	CAM SOP-00413	EPA 9045 D m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200
Your C.O.C. #: 799421-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/24
Report #: R6422815
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0U4818

Received: 2020/11/16, 12:10

Encryption Key

Ronklin Gracian
Project Manager
24 Nov 2020 15:54:47

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager

Email: Ronklin.Gracian@bvlabs.com

Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total Cover Pages : 2

Page 2 of 14

Bureau Veritas Laboratories 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OEJ528	OEJ530		
Sampling Date			2020/11/12 13:51	2020/11/12 14:52		
COC Number			799421-01-01	799421-01-01		
	UNITS	Criteria	BH150-20 0.8-2	BH154-20 0.8-2	RDL	QC Batch
Metals						
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	0.20	7065037
Acid Extractable Arsenic (As)	ug/g	18	6.0	4.7	1.0	7065037
Acid Extractable Barium (Ba)	ug/g	220	83	68	0.50	7065037
Acid Extractable Beryllium (Be)	ug/g	2.5	0.90	0.73	0.20	7065037
Acid Extractable Boron (B)	ug/g	36	5.8	5.5	5.0	7065037
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.10	<0.10	0.10	7065037
Acid Extractable Chromium (Cr)	ug/g	70	25	19	1.0	7065037
Acid Extractable Cobalt (Co)	ug/g	21	11	9.7	0.10	7065037
Acid Extractable Copper (Cu)	ug/g	92	32	34	0.50	7065037
Acid Extractable Lead (Pb)	ug/g	120	11	7.6	1.0	7065037
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	0.50	7065037
Acid Extractable Nickel (Ni)	ug/g	82	26	21	0.50	7065037
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	0.50	7065037
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	0.20	7065037
Acid Extractable Thallium (Tl)	ug/g	1	0.14	0.10	0.050	7065037
Acid Extractable Uranium (U)	ug/g	2.5	0.44	0.36	0.050	7065037
Acid Extractable Vanadium (V)	ug/g	86	36	28	5.0	7065037
Acid Extractable Zinc (Zn)	ug/g	290	62	51	5.0	7065037
No Fill	No Exceedance					
Grey	Exceeds 1 criteria policy/level					
Black	Exceeds both criteria/levels					
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)						
Table 1: Full Depth Background Site Condition Standards						
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use						

BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OEJ528	OEJ530		
Sampling Date			2020/11/12 13:51	2020/11/12 14:52		
COC Number			799421-01-01	799421-01-01		
	UNITS	Criteria	BH150-20 0.8-2	BH154-20 0.8-2	RDL	QC Batch
Inorganics						
Moisture	%	-	14	11	1.0	7064739
Calculated Parameters						
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	0.0020	7063260
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	0.0020	7063260
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	0.0020	7063260
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	0.0020	7063260
Total Endosulfan	ug/g	-	<0.0020	<0.0020	0.0020	7063260
Pesticides & Herbicides						
Aldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	7065535
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	7065535
Dieldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
Lindane	ug/g	0.01	<0.0020	<0.0020	0.0020	7065535
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	0.0020	7065535
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	0.0020	7065535
Endrin	ug/g	0.04	<0.0020	<0.0020	0.0020	7065535
Heptachlor	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	0.0020	7065535
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	0.0020	7065535
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	0.0020	7065535
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	0.0020	7065535
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	0.0050	7065535
No Fill	No Exceedance					
Grey	Exceeds 1 criteria policy/level					
Black	Exceeds both criteria/levels					
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)						
Table 1: Full Depth Background Site Condition Standards						
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use						



BUREAU
VERITAS

BV Labs Job #: COU4818
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OEJ528	OEJ530		
Sampling Date			2020/11/12 13:51	2020/11/12 14:52		
COC Number			799421-01-01	799421-01-01		
	UNITS	Criteria	BH150-20 0.8-2	BH154-20 0.8-2	RDL	QC Batch
Surrogate Recovery (%)						
2,4,5,6-Tetrachloro-m-xylene	%	-	88	80		7065535
Decachlorobiphenyl	%	-	90	84		7065535
No Fill	No Exceedance					
Grey	Exceeds 1 criteria policy/level					
Black	Exceeds both criteria/levels					
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)						
Table 1: Full Depth Background Site Condition Standards						
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use						



BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OEJ528	OEJ530	
Sampling Date		2020/11/12 13:51	2020/11/12 14:52	
COC Number		799421-01-01	799421-01-01	
	UNITS	BH150-20 0.8-2	BH154-20 0.8-2	QC Batch
Inorganics				
Available (CaCl ₂) pH	pH	7.37	7.53	7070459
QC Batch = Quality Control Batch				



BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OEJ528
Sample ID: BH150-20 0.8-2
Matrix: Soil

Collected: 2020/11/12
Shipped:
Received: 2020/11/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7065037	2020/11/19	2020/11/20	Viviana Canzonieri
Moisture	BAL	7064739	N/A	2020/11/19	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7065535	2020/11/19	2020/11/20	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7063260	N/A	2020/11/20	Automated Statchk
pH CaCl2 EXTRACT	AT	7070459	2020/11/23	2020/11/23	Neil Dassanayake

BV Labs ID: OEJ530
Sample ID: BH154-20 0.8-2
Matrix: Soil

Collected: 2020/11/12
Shipped:
Received: 2020/11/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7065037	2020/11/19	2020/11/20	Viviana Canzonieri
Moisture	BAL	7064739	N/A	2020/11/19	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7065535	2020/11/19	2020/11/20	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7063260	N/A	2020/11/20	Automated Statchk
pH CaCl2 EXTRACT	AT	7070459	2020/11/23	2020/11/23	Neil Dassanayake



BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	3.0°C
-----------	-------

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: C0U4818

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7065535	2,4,5,6-Tetrachloro-m-xylene	2020/11/20	79	50 - 130	77	50 - 130	81	%		
7065535	Decachlorobiphenyl	2020/11/20	93	50 - 130	96	50 - 130	99	%		
7064739	Moisture	2020/11/19							0	20
7065037	Acid Extractable Antimony (Sb)	2020/11/20	91	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
7065037	Acid Extractable Arsenic (As)	2020/11/20	100	75 - 125	102	80 - 120	<1.0	ug/g	2.4	30
7065037	Acid Extractable Barium (Ba)	2020/11/20	NC	75 - 125	99	80 - 120	<0.50	ug/g	1.5	30
7065037	Acid Extractable Beryllium (Be)	2020/11/20	101	75 - 125	96	80 - 120	<0.20	ug/g	0.016	30
7065037	Acid Extractable Boron (B)	2020/11/20	95	75 - 125	95	80 - 120	<5.0	ug/g	9.7	30
7065037	Acid Extractable Cadmium (Cd)	2020/11/20	102	75 - 125	101	80 - 120	<0.10	ug/g	NC	30
7065037	Acid Extractable Chromium (Cr)	2020/11/20	NC	75 - 125	104	80 - 120	<1.0	ug/g	5.6	30
7065037	Acid Extractable Cobalt (Co)	2020/11/20	99	75 - 125	103	80 - 120	<0.10	ug/g	4.4	30
7065037	Acid Extractable Copper (Cu)	2020/11/20	99	75 - 125	99	80 - 120	<0.50	ug/g	0.057	30
7065037	Acid Extractable Lead (Pb)	2020/11/20	101	75 - 125	101	80 - 120	<1.0	ug/g	0.90	30
7065037	Acid Extractable Molybdenum (Mo)	2020/11/20	100	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
7065037	Acid Extractable Nickel (Ni)	2020/11/20	NC	75 - 125	104	80 - 120	<0.50	ug/g	8.3	30
7065037	Acid Extractable Selenium (Se)	2020/11/20	104	75 - 125	109	80 - 120	<0.50	ug/g	NC	30
7065037	Acid Extractable Silver (Ag)	2020/11/20	100	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7065037	Acid Extractable Thallium (Tl)	2020/11/20	99	75 - 125	102	80 - 120	<0.050	ug/g	3.5	30
7065037	Acid Extractable Uranium (U)	2020/11/20	95	75 - 125	93	80 - 120	<0.050	ug/g	5.0	30
7065037	Acid Extractable Vanadium (V)	2020/11/20	NC	75 - 125	104	80 - 120	<5.0	ug/g	4.5	30
7065037	Acid Extractable Zinc (Zn)	2020/11/20	NC	75 - 125	105	80 - 120	<5.0	ug/g	3.8	30
7065535	a-Chlordane	2020/11/20	106	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7065535	Aldrin	2020/11/20	71	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7065535	Dieldrin	2020/11/20	120	50 - 130	124	50 - 130	<0.0020	ug/g	NC	40
7065535	Endosulfan I (alpha)	2020/11/20	83	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7065535	Endosulfan II (beta)	2020/11/20	103	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7065535	Endrin	2020/11/20	124	50 - 130	116	50 - 130	<0.0020	ug/g	NC	40
7065535	g-Chlordane	2020/11/20	113	50 - 130	106	50 - 130	<0.0020	ug/g	NC	40
7065535	Heptachlor epoxide	2020/11/20	120	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
7065535	Heptachlor	2020/11/20	75	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7065535	Hexachlorobenzene	2020/11/20	77	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40



BUREAU
VERITAS

BV Labs Job #: C0U4818

Report Date: 2020/11/24

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7065535	Hexachlorobutadiene	2020/11/20	89	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7065535	Hexachloroethane	2020/11/20	69	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
7065535	Lindane	2020/11/20	122	50 - 130	110	50 - 130	<0.0020	ug/g	NC	40
7065535	Methoxychlor	2020/11/20	129	50 - 130	130	50 - 130	<0.0050	ug/g	NC	40
7065535	o,p-DDD	2020/11/20	117	50 - 130	116	50 - 130	<0.0020	ug/g	NC	40
7065535	o,p-DDE	2020/11/20	99	50 - 130	107	50 - 130	<0.0020	ug/g	NC	40
7065535	o,p-DDT	2020/11/20	92	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
7065535	p,p-DDD	2020/11/20	127	50 - 130	117	50 - 130	<0.0020	ug/g	NC	40
7065535	p,p-DDE	2020/11/20	79	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
7065535	p,p-DDT	2020/11/20	117	50 - 130	111	50 - 130	<0.0020	ug/g	NC	40
7070459	Available (CaCl ₂) pH	2020/11/23			101	97 - 103			0.31	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).



BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Anastassia Hamanov, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel: (905) 817-5700 Toll-free: 800-563-6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 2

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name: #6868 MTE Consultants Inc		Company Name: MTE Consultants		Quotation #: B90004		BV Labs Job #:	
Attention: Accounts Payable		Attention: Monique Gyba		P.O. #:		Bottle Order #:	
Address: 520 Bingham Centre Dr		Address: 123 St. George St., London		Project: 47477-200		COC #:	
Tel: (519) 743-6500 Fax: (519) 743-6513		Tel: (519) 743-6510 Fax:		Project Name:		Project Manager:	
Email: accounting@mte85.com		Email: MGyba@mte85.com, mcastello@mte85.com		Site #:		Ronklin Gracian	
Email: accounting@mte85.com		Email: MGyba@mte85.com, mcastello@mte85.com		Sample #:		C#799421-01-01	
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY				ANALYSIS REQUESTED (PLEASE BE SPECIFIC)			
Regulation 153 (2011)				Turnaround Time (TAT) Required:			
Other Regulations				Please provide advance notice for rush projects			
Special Instructions				Regular (Standard) TAT:			
Field Filtered (please circle):				(will be applied if Rush TAT is not specified):			
Metals / Hg / Cr / V				Standard TAT = 5-7 Working days for most tests.			
Table 1 ☐ Res/Park ☐ Medium/Fine ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other				Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.			
Include Criteria on Certificate of Analysis (Y/N)?				Job Specific Rush TAT (if applies to entire submission)			
Sample Barcode Label				Date Required: Time Required:			
Sample (Location) Identification				Rush Confirmation Number: (call lab for #)			
Date Sampled				# of Bottles			
Time Sampled				Comments			
Matrix							
1 MW107-20 1-2 20/11/11 1045 Soil X				1 Limited sample			
2 MW107-20 2.5-4.5 20/11/12 1050 X				1			
3 BH123-20 1-2 20/11/12 956 X				1			
4 BH127-20 0.75-2 20/11/12 915 X				1			
5 BH1127-20 0.75-2 20/11/12 815 X				1			
6 BH132-20 0.75-2 20/11/12 831 X				1			
7 BH145-20 1-2 20/11/12 1053 X				1			
8 BH149-20 1.25-2 20/11/12 1243 X				1			
9 BH150-20 0.8-2 20/11/12 1351 X				1			
10 BH150-20 2.5-4.5 20/11/12 1400 X				1			
RELINQUISHED BY: (Signature/Print)				RECEIVED BY: (Signature/Print)			
Date: (YY/MM/DD)				Date: (YY/MM/DD)			
Time				Time			
# jars used and not submitted				Laboratory Use Only			
Time Sensitive				Temperature (°C) on Receipt			
Custody Seal				Yes / No			
Present				Intact			
White: BV Labs				Yellow: Client			

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

Bureau Veritas Canada (2019) Inc.



CHAIN OF CUSTODY RECORD

Page 2 of 2

INVOICE TO:						REPORT TO:						PROJECT INFORMATION:						Laboratory Use Only:					
Company Name: #6868 MTE Consultants Inc Attention: Accounts Payable Address: 520 Bingham Centre Dr Kitchener ON N2B 3X9 Tel: (519) 743-6500 Fax: (519) 743-6513 Email: accounting@mte85.com						Company Name: MTE Consultants Attention: Monique Gyba Address: 123 St. George St., London ON Tel: (519) 743-6510 Fax: Email: MGyba@mte85.com						Quotation #: B90004 P.O. #: Project: 47477-200 Project Name: Site #: Sample ID: com Mackenzie Costello						BV Labs Job #: Bottle Order #: COC #: Project Manager: Runklin Gracian					
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY																							
Regulation 153 (2011)						Other Regulations						Special Instructions											
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table _____						☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____																	
Include Criteria on Certificate of Analysis (Y/N)?																							
	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle):	Metal / Hg / Cr / V																
1	BH154-20	0-8-2	20/11/12	1452	Soil	X																	
2	BH154-20	2-5-4.5	20/11/12	1503		X	-																
3	BH144-20	0-6-2	20/11/13	847		X																	
4	BH148-20	0-7-2		755		X																	
5	BH137-20	0-9-2		1236		X																	
6	BH143-20	0-9-2		1236		X																	
7	BH137-20	1-25-2		1315		X																	
8																							
9																							
10																							
* RELINQUISHED BY: (Signature/Print)						RECEIVED BY: (Signature/Print)						Laboratory Use Only											
Date: (YY/MM/DD)						Date: (YY/MM/DD)						Time Sensitive											
Time						Time						Temperature (°C) In Recd											
# jars used and not submitted						Custody Seal Present						Intact											
Yes						No						White: BV Labs											
Yellow: Client																							
* UNLESS OTHERWISE AGREED IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS. * IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS. ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.																							



BUREAU
VERITAS

BV Labs Job #: COU4818

Report Date: 2020/11/24

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Your Project #: 47477-200
Your C.O.C. #: 802018-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/12/01
Report #: R6431894
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0V1524

Received: 2020/11/23, 17:32

Sample Matrix: Water
Samples Received: 1

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Petroleum Hydro. CCME F1 & BTEX in Water	1	N/A	2020/11/27	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1)	1	2020/11/27	2020/11/27	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS	1	N/A	2020/11/26	CAM SOP-00447	EPA 6020B m
OC Pesticides (Selected) & PCB (2)	1	2020/11/27	2020/11/29	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	1	N/A	2020/11/26	CAM SOP-00307	EPA 8081A/8082B m
pH	1	2020/11/25	2020/11/26	CAM SOP-00413	SM 4500H+ B m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200
Your C.O.C. #: 802018-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/12/01
Report #: R6431894
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: COV1524

Received: 2020/11/23, 17:32

Encryption Key

Ronklin Gracian
Project Manager
01 Dec 2020 15:03:26

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COV1524
Report Date: 2020/12/01

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: ZT

RESULTS OF ANALYSES OF WATER

BV Labs ID		OFV517	
Sampling Date		2020/11/23 12:30	
COC Number		802018-01-01	
	UNITS	MW101-20	QC Batch
Inorganics			
pH	pH	7.77	7076041
QC Batch = Quality Control Batch			



BUREAU
VERITAS

BV Labs Job #: COV1524
Report Date: 2020/12/01

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: ZT

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (WATER)

BV Labs ID			OFV517		
Sampling Date			2020/11/23 12:30		
COC Number			802018-01-01		
	UNITS	Criteria	MW101-20	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	1.5	<0.50	0.50	7075596
Dissolved Arsenic (As)	ug/L	13	<1.0	1.0	7075596
Dissolved Barium (Ba)	ug/L	610	160	2.0	7075596
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	7075596
Dissolved Boron (B)	ug/L	1700	21	10	7075596
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	7075596
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	7075596
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	7075596
Dissolved Copper (Cu)	ug/L	5	<0.90	0.90	7075596
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	7075596
Dissolved Molybdenum (Mo)	ug/L	23	1.5	0.50	7075596
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	7075596
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	7075596
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	7075596
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	7075596
Dissolved Uranium (U)	ug/L	8.9	0.24	0.10	7075596
Dissolved Vanadium (V)	ug/L	3.9	<0.50	0.50	7075596
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	7075596
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Ground Water - All Types of Property Uses					

BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID			OFV517		
Sampling Date			2020/11/23 12:30		
COC Number			802018-01-01		
	UNITS	Criteria	MW101-20	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/L	-	<0.005	0.005	7073327
o,p-DDD + p,p-DDD	ug/L	-	<0.005	0.005	7073327
o,p-DDE + p,p-DDE	ug/L	-	<0.005	0.005	7073327
o,p-DDT + p,p-DDT	ug/L	-	<0.005	0.005	7073327
Total Endosulfan	ug/L	-	<0.005	0.005	7073327
Pesticides & Herbicides					
Aldrin	ug/L	0.01	<0.005	0.005	7081367
Dieldrin	ug/L	0.05	<0.005	0.005	7081367
a-Chlordane	ug/L	0.06	<0.005	0.005	7081367
g-Chlordane	ug/L	0.06	<0.005	0.005	7081367
o,p-DDD	ug/L	1.8	<0.005	0.005	7081367
p,p-DDD	ug/L	1.8	<0.005	0.005	7081367
o,p-DDE	ug/L	10	<0.005	0.005	7081367
p,p-DDE	ug/L	10	<0.005	0.005	7081367
o,p-DDT	ug/L	0.05	<0.005	0.005	7081367
p,p-DDT	ug/L	0.05	<0.005	0.005	7081367
Lindane	ug/L	0.01	<0.003	0.003	7081367
Endosulfan I (alpha)	ug/L	0.05	<0.005	0.005	7081367
Endosulfan II (beta)	ug/L	0.05	<0.005	0.005	7081367
Endrin	ug/L	0.05	<0.005	0.005	7081367
Heptachlor	ug/L	0.01	<0.005	0.005	7081367
Heptachlor epoxide	ug/L	0.01	<0.005	0.005	7081367
Hexachlorobenzene	ug/L	0.01	<0.005	0.005	7081367
Hexachlorobutadiene	ug/L	0.01	<0.009	0.009	7081367
Hexachloroethane	ug/L	0.01	<0.01	0.01	7081367
Methoxychlor	ug/L	0.05	<0.01	0.01	7081367
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	93		7081367
Decachlorobiphenyl	%	-	84		7081367
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Ground Water - All Types of Property Uses					

BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

O.REG 153 PHCS, BTEX/F1-F4 (WATER)

BV Labs ID			OFV517		
Sampling Date			2020/11/23 12:30		
COC Number			802018-01-01		
	UNITS	Criteria	MW101-20	RDL	QC Batch
BTEX & F1 Hydrocarbons					
Benzene	ug/L	0.5	<0.20	0.20	7079597
Toluene	ug/L	0.8	<0.20	0.20	7079597
Ethylbenzene	ug/L	0.5	<0.20	0.20	7079597
o-Xylene	ug/L	-	<0.20	0.20	7079597
p+m-Xylene	ug/L	-	<0.40	0.40	7079597
Total Xylenes	ug/L	72	<0.40	0.40	7079597
F1 (C6-C10)	ug/L	420	<25	25	7079597
F1 (C6-C10) - BTEX	ug/L	420	<25	25	7079597
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/L	150	<100	100	7079462
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	200	7079462
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	200	7079462
Reached Baseline at C50	ug/L	-	Yes		7079462
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	-	103		7079597
4-Bromofluorobenzene	%	-	98		7079597
D10-o-Xylene	%	-	105		7079597
D4-1,2-Dichloroethane	%	-	103		7079597
o-Terphenyl	%	-	93		7079462
No Fill	No Exceedance				
Grey	Exceeds 1 criteria policy/level				
Black	Exceeds both criteria/levels				
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)					
Table 1: Full Depth Background Site Condition Standards					
Ground Water - All Types of Property Uses					



BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

TEST SUMMARY

BV Labs ID: OFV517
Sample ID: MW101-20
Matrix: Water

Collected: 2020/11/23
Shipped:
Received: 2020/11/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7079597	N/A	2020/11/27	Domnica Andronescu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7079462	2020/11/27	2020/11/27	Jeevaraj Jeevaratnam
Dissolved Metals by ICPMS	ICP/MS	7075596	N/A	2020/11/26	Azita Fazaeli
OC Pesticides (Selected) & PCB	GC/ECD	7081367	2020/11/27	2020/11/29	Li Peng
OC Pesticides Summed Parameters	CALC	7073327	N/A	2020/11/26	Automated Statchk
pH	AT	7076041	2020/11/25	2020/11/26	Neil Dassanayake



BUREAU
VERITAS

BV Labs Job #: COV1524
Report Date: 2020/12/01

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: ZT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	7.0°C
-----------	-------

Revised Report [2020/12/01]: Criteria included as per client request.

Results relate only to the items tested.

BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7079462	o-Terphenyl	2020/11/27	96	60 - 130	95	60 - 130	93	%		
7079597	1,4-Difluorobenzene	2020/11/27	101	70 - 130	105	70 - 130	105	%		
7079597	4-Bromofluorobenzene	2020/11/27	100	70 - 130	99	70 - 130	96	%		
7079597	D10-o-Xylene	2020/11/27	113	70 - 130	113	70 - 130	109	%		
7079597	D4-1,2-Dichloroethane	2020/11/27	98	70 - 130	99	70 - 130	98	%		
7081367	2,4,5,6-Tetrachloro-m-xylene	2020/11/28	85	50 - 130	111	50 - 130	85	%		
7081367	Decachlorobiphenyl	2020/11/28	87	50 - 130	89	50 - 130	84	%		
7075596	Dissolved Antimony (Sb)	2020/11/26	93	80 - 120	97	80 - 120	<0.50	ug/L		
7075596	Dissolved Arsenic (As)	2020/11/26	88	80 - 120	95	80 - 120	<1.0	ug/L		
7075596	Dissolved Barium (Ba)	2020/11/26	88	80 - 120	96	80 - 120	<2.0	ug/L		
7075596	Dissolved Beryllium (Be)	2020/11/26	89	80 - 120	97	80 - 120	<0.40	ug/L		
7075596	Dissolved Boron (B)	2020/11/26	91	80 - 120	97	80 - 120	<10	ug/L		
7075596	Dissolved Cadmium (Cd)	2020/11/26	89	80 - 120	96	80 - 120	<0.090	ug/L		
7075596	Dissolved Chromium (Cr)	2020/11/26	88	80 - 120	93	80 - 120	<5.0	ug/L		
7075596	Dissolved Cobalt (Co)	2020/11/26	86	80 - 120	92	80 - 120	<0.50	ug/L		
7075596	Dissolved Copper (Cu)	2020/11/26	89	80 - 120	95	80 - 120	<0.90	ug/L	1.8	20
7075596	Dissolved Lead (Pb)	2020/11/26	84	80 - 120	91	80 - 120	<0.50	ug/L	NC	20
7075596	Dissolved Molybdenum (Mo)	2020/11/26	95	80 - 120	98	80 - 120	<0.50	ug/L		
7075596	Dissolved Nickel (Ni)	2020/11/26	84	80 - 120	91	80 - 120	<1.0	ug/L		
7075596	Dissolved Selenium (Se)	2020/11/26	90	80 - 120	94	80 - 120	<2.0	ug/L		
7075596	Dissolved Silver (Ag)	2020/11/26	88	80 - 120	94	80 - 120	<0.090	ug/L		
7075596	Dissolved Thallium (Tl)	2020/11/26	83	80 - 120	90	80 - 120	<0.050	ug/L		
7075596	Dissolved Uranium (U)	2020/11/26	92	80 - 120	100	80 - 120	<0.10	ug/L		
7075596	Dissolved Vanadium (V)	2020/11/26	89	80 - 120	94	80 - 120	<0.50	ug/L		
7075596	Dissolved Zinc (Zn)	2020/11/26	85	80 - 120	92	80 - 120	<5.0	ug/L	NC	20
7076041	pH	2020/11/26			101	98 - 103			0.0053	N/A
7079462	F2 (C10-C16 Hydrocarbons)	2020/11/27	104	60 - 130	96	60 - 130	<100	ug/L	NC	30
7079462	F3 (C16-C34 Hydrocarbons)	2020/11/27	106	60 - 130	106	60 - 130	<200	ug/L	NC	30
7079462	F4 (C34-C50 Hydrocarbons)	2020/11/27	100	60 - 130	100	60 - 130	<200	ug/L	NC	30
7079597	Benzene	2020/11/27	102	50 - 140	107	50 - 140	<0.20	ug/L	1.1	30
7079597	Ethylbenzene	2020/11/27	105	50 - 140	107	50 - 140	<0.20	ug/L	0	30



BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7079597	F1 (C6-C10) - BTEX	2020/11/27					<25	ug/L	NC	30
7079597	F1 (C6-C10)	2020/11/27	93	60 - 140	95	60 - 140	<25	ug/L	NC	30
7079597	o-Xylene	2020/11/27	104	50 - 140	105	50 - 140	<0.20	ug/L	4.5	30
7079597	p+m-Xylene	2020/11/27	106	50 - 140	110	50 - 140	<0.40	ug/L	1.4	30
7079597	Toluene	2020/11/27	98	50 - 140	100	50 - 140	<0.20	ug/L	5.8	30
7079597	Total Xylenes	2020/11/27					<0.40	ug/L	0.78	30
7081367	a-Chlordane	2020/11/28	73	50 - 130	81	50 - 130	<0.005	ug/L	7.0	30
7081367	Aldrin	2020/11/28	68	50 - 130	61	50 - 130	<0.005	ug/L	4.0	30
7081367	Dieldrin	2020/11/28	90	50 - 130	102	50 - 130	<0.005	ug/L	7.7	30
7081367	Endosulfan I (alpha)	2020/11/28	75	50 - 130	79	50 - 130	<0.005	ug/L	1.9	30
7081367	Endosulfan II (beta)	2020/11/28	73	50 - 130	82	50 - 130	<0.005	ug/L	8.3	30
7081367	Endrin	2020/11/28	80	50 - 130	88	50 - 130	<0.005	ug/L	8.1	30
7081367	g-Chlordane	2020/11/28	75	50 - 130	81	50 - 130	<0.005	ug/L	6.3	30
7081367	Heptachlor epoxide	2020/11/28	85	50 - 130	96	50 - 130	<0.005	ug/L	16	30
7081367	Heptachlor	2020/11/28	62	50 - 130	60	50 - 130	<0.005	ug/L	3.9	30
7081367	Hexachlorobenzene	2020/11/29	75	50 - 130	82	50 - 130	<0.005	ug/L	NC	30
7081367	Hexachlorobutadiene	2020/11/28	95	50 - 130	94	50 - 130	<0.009	ug/L	14	30
7081367	Hexachloroethane	2020/11/28	83	50 - 130	82	50 - 130	<0.01	ug/L	7.8	30
7081367	Lindane	2020/11/28	96	50 - 130	91	50 - 130	<0.003	ug/L	6.8	30
7081367	Methoxychlor	2020/11/28	67	50 - 130	74	50 - 130	<0.01	ug/L	8.9	30
7081367	o,p-DDD	2020/11/28	90	50 - 130	100	50 - 130	<0.005	ug/L	7.7	30
7081367	o,p-DDE	2020/11/28	104	50 - 130	109	50 - 130	<0.005	ug/L	9.0	30
7081367	o,p-DDT	2020/11/28	71	50 - 130	76	50 - 130	<0.005	ug/L	6.4	30
7081367	p,p-DDD	2020/11/28	92	50 - 130	102	50 - 130	<0.005	ug/L	7.1	30
7081367	p,p-DDE	2020/11/28	82	50 - 130	81	50 - 130	<0.005	ug/L	5.1	30



BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7081367	p,p-DDT	2020/11/28	67	50 - 130	72	50 - 130	<0.005	ug/L	7.7	30

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).



BUREAU
VERITAS

BV Labs Job #: COV1524

Report Date: 2020/12/01

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: ZT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Anastassia Hamanov, Scientific Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Ronklin Gracian



COV1524

URE ENV-1365

Presence of Visible Particulate/Sediment

Maxxam Analytics

CAM FCD-01013/5

Page 1 of 1

When there is >1cm of visible particulate/sediment, the amount will be recorded in the field below

Bottle Types

		Inorganics						Organics										Hydrocarbons								Volatiles				Other	
	Sample ID	All	CrVI	CN	General	Hg	Metals (Diss.)	Organic 1 of 2	Organic 2 of 2	PCB 1 of 2	PCB 2 of 2	Pest/ Herb 1 of 2	Pest/ Herb 2 of 2	SVOC/ ABN 1 of 2	SVOC/ ABN 2 of 2	PAH 1 of 2	PAH 2 of 2	Dioxin /Furan	F1 Vial 1	F1 Vial 2	F1 Vial 3	F1 Vial 4	F2-F4 1 of 2	F2-F4 2 of 2	F4G	VOC Vial 1	VOC Vial 2	VOC Vial 3	VOC Vial 4		
1	MW101-20	TS																													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															

Comments: except metals bottle

Legend:

P	Suspended Particulate
TS	Trace Settled Sediment (just covers bottom of container or less)
S	Sediment greater than (>) Trace, but less than (<) 1 cm

Recorded By: (signature/print)

Ronklin Gracian



BUREAU
VERITAS

BV Labs Job #: COV1524
Report Date: 2020/12/01

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: ZT

Exceedance Summary Table – Reg153/04 T1-GW
Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						
The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.						



Your Project #: 47477-200
Your C.O.C. #: 794340-19-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/12/04

Report #: R6436706

Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0V9090

Received: 2020/11/30, 18:31

Sample Matrix: Water
Samples Received: 3

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Petroleum Hydro. CCME F1 & BTEX in Water	2	N/A	2020/12/03	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1)	2	2020/12/03	2020/12/03	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS	3	N/A	2020/12/03	CAM SOP-00447	EPA 6020B m
OC Pesticides (Selected) & PCB (2)	3	2020/12/02	2020/12/04	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	3	N/A	2020/12/03	CAM SOP-00307	EPA 8081A/8082B m
pH	3	2020/12/02	2020/12/03	CAM SOP-00413	SM 4500H+ B m

Remarks:

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane



Your Project #: 47477-200
Your C.O.C. #: 794340-19-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingham Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/12/04
Report #: R6436706
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0V9090

Received: 2020/11/30, 18:31

Encryption Key

Ronklin Gracian
Project Manager
04 Dec 2020 16:45:59

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Ronklin Gracian, Project Manager

Email: Ronklin.Gracian@bvlabs.com

Phone# (905)817-5752

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

RESULTS OF ANALYSES OF WATER

BV Labs ID		OHL473	OHL474	OHL475	
Sampling Date		2020/11/30 11:15	2020/11/30 13:00	2020/11/30 13:05	
COC Number		794340-19-01	794340-19-01	794340-19-01	
	UNITS	MW104-20	MW106-20	MW1106-20	QC Batch
Inorganics					
pH	pH	7.96	6.95	6.98	7087693
QC Batch = Quality Control Batch					



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (WATER)

BV Labs ID		OHL473	OHL474	OHL475		
Sampling Date		2020/11/30 11:15	2020/11/30 13:00	2020/11/30 13:05		
COC Number		794340-19-01	794340-19-01	794340-19-01		
	UNITS	MW104-20	MW106-20	MW1106-20	RDL	QC Batch
Metals						
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	<0.50	0.50	7087508
Dissolved Arsenic (As)	ug/L	1.1	<1.0	<1.0	1.0	7087508
Dissolved Barium (Ba)	ug/L	87	140	130	2.0	7087508
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	<0.40	0.40	7087508
Dissolved Boron (B)	ug/L	31	63	58	10	7087508
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	<0.090	0.090	7087508
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	<5.0	5.0	7087508
Dissolved Cobalt (Co)	ug/L	<0.50	1.1	1.1	0.50	7087508
Dissolved Copper (Cu)	ug/L	<0.90	12	10	0.90	7087508
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	<0.50	0.50	7087508
Dissolved Molybdenum (Mo)	ug/L	17	3.9	3.5	0.50	7087508
Dissolved Nickel (Ni)	ug/L	<1.0	4.9	4.6	1.0	7087508
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	<2.0	2.0	7087508
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	<0.090	0.090	7087508
Dissolved Thallium (Tl)	ug/L	<0.050	<0.050	<0.050	0.050	7087508
Dissolved Uranium (U)	ug/L	1.6	1.9	1.8	0.10	7087508
Dissolved Vanadium (V)	ug/L	0.79	3.4	3.1	0.50	7087508
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	<5.0	5.0	7087508
RDL = Reportable Detection Limit						
QC Batch = Quality Control Batch						



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID		OHL473	OHL474	OHL475			OHL475		
Sampling Date		2020/11/30 11:15	2020/11/30 13:00	2020/11/30 13:05			2020/11/30 13:05		
COC Number		794340-19-01	794340-19-01	794340-19-01			794340-19-01		
	UNITS	MW104-20	MW106-20	MW1106-20	RDL	QC Batch	MW1106-20 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Chlordane (Total)	ug/L	<0.005	<0.005	<0.005	0.005	7086679			
o,p-DDD + p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7086679			
o,p-DDE + p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7086679			
o,p-DDT + p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7086679			
Total Endosulfan	ug/L	<0.005	<0.005	<0.005	0.005	7086679			
Pesticides & Herbicides									
Aldrin	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Dieldrin	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
a-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
g-Chlordane	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
o,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
p,p-DDD	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
o,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
p,p-DDE	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
o,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
p,p-DDT	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Lindane	ug/L	<0.003	<0.003	<0.003	0.003	7088292	<0.003	0.003	7088292
Endosulfan I (alpha)	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Endosulfan II (beta)	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Endrin	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Heptachlor	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Heptachlor epoxide	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Hexachlorobenzene	ug/L	<0.005	<0.005	<0.005	0.005	7088292	<0.005	0.005	7088292
Hexachlorobutadiene	ug/L	<0.009	<0.009	<0.009	0.009	7088292	<0.009	0.009	7088292
Hexachloroethane	ug/L	<0.01	<0.01	<0.01	0.01	7088292	<0.01	0.01	7088292
Methoxychlor	ug/L	<0.01	<0.01	<0.01	0.01	7088292	<0.01	0.01	7088292
Surrogate Recovery (%)									
2,4,5,6-Tetrachloro-m-xylene	%	61	87	86		7088292	89		7088292
Decachlorobiphenyl	%	53	91	73		7088292	90		7088292
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate									



BUREAU
VERITAS

BV Labs Job #: COV9090

Report Date: 2020/12/04

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: JAK

O.REG 153 PHCS, BTEX/F1-F4 (WATER)

BV Labs ID		OHL473	OHL474		
Sampling Date		2020/11/30 11:15	2020/11/30 13:00		
COC Number		794340-19-01	794340-19-01		
	UNITS	MW104-20	MW106-20	RDL	QC Batch
BTEX & F1 Hydrocarbons					
Benzene	ug/L	<0.20	<0.20	0.20	7090780
Toluene	ug/L	0.52	<0.20	0.20	7090780
Ethylbenzene	ug/L	<0.20	<0.20	0.20	7090780
o-Xylene	ug/L	<0.20	<0.20	0.20	7090780
p+m-Xylene	ug/L	<0.40	<0.40	0.40	7090780
Total Xylenes	ug/L	<0.40	<0.40	0.40	7090780
F1 (C6-C10)	ug/L	29	<25	25	7090780
F1 (C6-C10) - BTEX	ug/L	29	<25	25	7090780
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	100	7089512
F3 (C16-C34 Hydrocarbons)	ug/L	340	<200	200	7089512
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	7089512
Reached Baseline at C50	ug/L	Yes	Yes		7089512
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	99	102		7090780
4-Bromofluorobenzene	%	98	97		7090780
D10-o-Xylene	%	121	109		7090780
D4-1,2-Dichloroethane	%	112	108		7090780
o-Terphenyl	%	97	97		7089512
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

TEST SUMMARY

BV Labs ID: OHL473
Sample ID: MW104-20
Matrix: Water

Collected: 2020/11/30
Shipped:
Received: 2020/11/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7090780	N/A	2020/12/03	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7089512	2020/12/03	2020/12/03	Margaret Kulczyk-Stanko
Dissolved Metals by ICPMS	ICP/MS	7087508	N/A	2020/12/03	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7088292	2020/12/02	2020/12/04	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7086679	N/A	2020/12/03	Automated Statchk
pH	AT	7087693	2020/12/02	2020/12/03	Surinder Rai

BV Labs ID: OHL474
Sample ID: MW106-20
Matrix: Water

Collected: 2020/11/30
Shipped:
Received: 2020/11/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7090780	N/A	2020/12/03	Abdikarim Ali
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7089512	2020/12/03	2020/12/03	Margaret Kulczyk-Stanko
Dissolved Metals by ICPMS	ICP/MS	7087508	N/A	2020/12/03	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7088292	2020/12/02	2020/12/04	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7086679	N/A	2020/12/03	Automated Statchk
pH	AT	7087693	2020/12/02	2020/12/03	Surinder Rai

BV Labs ID: OHL475
Sample ID: MW1106-20
Matrix: Water

Collected: 2020/11/30
Shipped:
Received: 2020/11/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7087508	N/A	2020/12/03	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7088292	2020/12/02	2020/12/04	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	7086679	N/A	2020/12/03	Automated Statchk
pH	AT	7087693	2020/12/02	2020/12/03	Surinder Rai

BV Labs ID: OHL475 Dup
Sample ID: MW1106-20
Matrix: Water

Collected: 2020/11/30
Shipped:
Received: 2020/11/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7088292	2020/12/02	2020/12/04	Mahmudul Khan



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.7°C
-----------	-------

Results relate only to the items tested.



BUREAU
VERITAS

BV Labs Job #: COV9090

Report Date: 2020/12/04

QUALITY ASSURANCE REPORT

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: JAK

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7088292	2,4,5,6-Tetrachloro-m-xylene	2020/12/04	80	50 - 130	76	50 - 130	80	%		
7088292	Decachlorobiphenyl	2020/12/04	117	50 - 130	117	50 - 130	119	%		
7089512	o-Terphenyl	2020/12/03	97	60 - 130	100	60 - 130	95	%		
7090780	1,4-Difluorobenzene	2020/12/03	98	70 - 130	99	70 - 130	102	%		
7090780	4-Bromofluorobenzene	2020/12/03	101	70 - 130	101	70 - 130	99	%		
7090780	D10-o-Xylene	2020/12/03	104	70 - 130	104	70 - 130	119	%		
7090780	D4-1,2-Dichloroethane	2020/12/03	101	70 - 130	99	70 - 130	105	%		
7087508	Dissolved Antimony (Sb)	2020/12/03	104	80 - 120	99	80 - 120	<0.50	ug/L	1.3	20
7087508	Dissolved Arsenic (As)	2020/12/03	100	80 - 120	99	80 - 120	<1.0	ug/L	13	20
7087508	Dissolved Barium (Ba)	2020/12/03	99	80 - 120	98	80 - 120	<2.0	ug/L	1.5	20
7087508	Dissolved Beryllium (Be)	2020/12/03	107	80 - 120	101	80 - 120	<0.40	ug/L	NC	20
7087508	Dissolved Boron (B)	2020/12/03	108	80 - 120	105	80 - 120	<10	ug/L	1.9	20
7087508	Dissolved Cadmium (Cd)	2020/12/03	101	80 - 120	99	80 - 120	<0.090	ug/L	NC	20
7087508	Dissolved Chromium (Cr)	2020/12/03	97	80 - 120	97	80 - 120	<5.0	ug/L	NC	20
7087508	Dissolved Cobalt (Co)	2020/12/03	101	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
7087508	Dissolved Copper (Cu)	2020/12/03	98	80 - 120	97	80 - 120	<0.90	ug/L	0.40	20
7087508	Dissolved Lead (Pb)	2020/12/03	102	80 - 120	103	80 - 120	<0.50	ug/L	NC	20
7087508	Dissolved Molybdenum (Mo)	2020/12/03	99	80 - 120	97	80 - 120	<0.50	ug/L	2.6	20
7087508	Dissolved Nickel (Ni)	2020/12/03	96	80 - 120	98	80 - 120	<1.0	ug/L	0.20	20
7087508	Dissolved Selenium (Se)	2020/12/03	102	80 - 120	100	80 - 120	<2.0	ug/L	NC	20
7087508	Dissolved Silver (Ag)	2020/12/03	96	80 - 120	98	80 - 120	<0.090	ug/L	NC	20
7087508	Dissolved Thallium (Tl)	2020/12/03	101	80 - 120	103	80 - 120	<0.050	ug/L	NC	20
7087508	Dissolved Uranium (U)	2020/12/03	103	80 - 120	102	80 - 120	<0.10	ug/L	0.58	20
7087508	Dissolved Vanadium (V)	2020/12/03	97	80 - 120	94	80 - 120	<0.50	ug/L	6.0	20
7087508	Dissolved Zinc (Zn)	2020/12/03	98	80 - 120	98	80 - 120	<5.0	ug/L	0.094	20
7087693	pH	2020/12/03			102	98 - 103			0.050	N/A
7088292	a-Chlordane	2020/12/04	94	50 - 130	95	50 - 130	<0.005	ug/L	NC	30
7088292	Aldrin	2020/12/04	78	50 - 130	77	50 - 130	<0.005	ug/L	NC	30
7088292	Dieldrin	2020/12/04	114	50 - 130	110	50 - 130	<0.005	ug/L	NC	30
7088292	Endosulfan I (alpha)	2020/12/04	82	50 - 130	101	50 - 130	<0.005	ug/L	NC	30
7088292	Endosulfan II (beta)	2020/12/04	85	50 - 130	89	50 - 130	<0.005	ug/L	NC	30



**BUREAU
VERITAS**

BV Labs Job #: COV9090

Report Date: 2020/12/04

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: JAK

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7088292	Endrin	2020/12/04	97	50 - 130	92	50 - 130	<0.005	ug/L	NC	30
7088292	g-Chlordane	2020/12/04	98	50 - 130	91	50 - 130	<0.005	ug/L	NC	30
7088292	Heptachlor epoxide	2020/12/04	94	50 - 130	97	50 - 130	<0.005	ug/L	NC	30
7088292	Heptachlor	2020/12/04	79	50 - 130	71	50 - 130	<0.005	ug/L	NC	30
7088292	Hexachlorobenzene	2020/12/04	88	50 - 130	109	50 - 130	<0.005	ug/L	NC	30
7088292	Hexachlorobutadiene	2020/12/04	88	50 - 130	83	50 - 130	<0.009	ug/L	NC	30
7088292	Hexachloroethane	2020/12/04	81	50 - 130	82	50 - 130	<0.01	ug/L	NC	30
7088292	Lindane	2020/12/04	94	50 - 130	92	50 - 130	<0.003	ug/L	NC	30
7088292	Methoxychlor	2020/12/04	81	50 - 130	69	50 - 130	<0.01	ug/L	NC	30
7088292	o,p-DDD	2020/12/04	113	50 - 130	103	50 - 130	<0.005	ug/L	NC	30
7088292	o,p-DDE	2020/12/04	118	50 - 130	110	50 - 130	<0.005	ug/L	NC	30
7088292	o,p-DDT	2020/12/04	87	50 - 130	82	50 - 130	<0.005	ug/L	NC	30
7088292	p,p-DDD	2020/12/04	108	50 - 130	102	50 - 130	<0.005	ug/L	NC	30
7088292	p,p-DDE	2020/12/04	98	50 - 130	107	50 - 130	<0.005	ug/L	NC	30
7088292	p,p-DDT	2020/12/04	81	50 - 130	76	50 - 130	<0.005	ug/L	NC	30
7089512	F2 (C10-C16 Hydrocarbons)	2020/12/03	104	60 - 130	107	60 - 130	<100	ug/L	NC	30
7089512	F3 (C16-C34 Hydrocarbons)	2020/12/03	111	60 - 130	115	60 - 130	<200	ug/L	NC	30
7089512	F4 (C34-C50 Hydrocarbons)	2020/12/03	106	60 - 130	109	60 - 130	<200	ug/L	NC	30
7090780	Benzene	2020/12/03	100	50 - 140	101	50 - 140	<0.20	ug/L	NC	30
7090780	Ethylbenzene	2020/12/03	104	50 - 140	106	50 - 140	<0.20	ug/L	NC	30
7090780	F1 (C6-C10) - BTEX	2020/12/03					<25	ug/L	NC	30
7090780	F1 (C6-C10)	2020/12/03	89	60 - 140	90	60 - 140	<25	ug/L	NC	30
7090780	o-Xylene	2020/12/03	102	50 - 140	102	50 - 140	<0.20	ug/L	NC	30
7090780	p+m-Xylene	2020/12/03	99	50 - 140	100	50 - 140	<0.40	ug/L	NC	30
7090780	Toluene	2020/12/03	94	50 - 140	98	50 - 140	<0.20	ug/L	NC	30



BUREAU
VERITAS

BV Labs Job #: COV9090

Report Date: 2020/12/04

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc

Client Project #: 47477-200

Sampler Initials: JAK

QC Batch	Parameter	Date	Matrix Spike		SPIKED BLANK		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7090780	Total Xylenes	2020/12/03					<0.40	ug/L	NC	30

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times$ RDL).



BUREAU
VERITAS

BV Labs Job #: COV9090
Report Date: 2020/12/04

MTE Consultants Inc
Client Project #: 47477-200
Sampler Initials: JAK

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

30-Nov-20 18:31

Ronklin Gracian



C0V9090

Presence of Visible Particulate/Sediment

Maxxam Analytics

CAM FCD-01013/5

Page 1 of 1

When there is >1cm of visible particulate/sediment, the amount will be recorded in the field below

Bottle Types

ASD ENV-700		Inorganics						Organics										Hydrocarbons								Volatiles				Other
	Sample ID	All	CrVI	CN	General	Hg	Metals (Diss.)	Organic 1 of 2	Organic 2 of 2	PCB 1 of 2	PCB 2 of 2	Pest/ Herb 1 of 2	Pest/ Herb 2 of 2	SVOC/ ABN 1 of 2	SVOC/ ABN 2 of 2	PAH 1 of 2	PAH 2 of 2	Dioxin /Furan	F1 Vial 1	F1 Vial 2	F1 Vial 3	F1 Vial 4	F2-F4 1 of 2	F2-F4 2 of 2	F4G	VOC Vial 1	VOC Vial 2	VOC Vial 3	VOC Vial 4	
1	MW104-20	S																												
2	MW106-20	TS																												
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														

Comments:

Legend:

P	Suspended Particulate
TS	Trace Settled Sediment (just covers bottom of container or less)
S	Sediment greater than (>) Trace, but less than (<) 1 cm

Recorded By: (signature/print)

Kantha

INVOICE TO:						REPORT TO:						PROJECT INFORMATION:						Laboratory Use Only:																																									
Company Name: #6868 MTE Consultants Inc						Company Name: Oshin Sharabegian - Munique Guyba						Quotation #: B90004						BV Labs Job #:						Bottle Order #:																																			
Attention: Accounts Payable						Address: 520 Bingemans Centre Dr Kitchener ON N2B 3X9						P.O. #:												794340																																			
Tel: (519) 743-6500 Fax: (519) 743-6513						Tet: (905) 639-2552 Ext: 2430 Fax:						Project: 47477-200						COC #:						Project Manager:																																			
Email: accounting@mte85.com						Email: GSharabegian@mte85.com Mayka mte85.com						Site #:						Sampled By: JAK						Ronkin Gracian																																			
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY																								ANALYSIS REQUESTED (PLEASE BE SPECIFIC)																								Turnaround Time (TAT) Required: Please provide advance notice for rush projects											
Regulation 153 (2011) ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table _____												Other Regulations ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Reg 406 Table _____ ☐ Other _____												Special Instructions												Field Filtered (please circle): <u>(Metals)</u> / Hg / Cr / V												Regular (Standard) TAT: (will be applied if Rush TAT is not specified). Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.											
Include Criteria on Certificate of Analysis (Y/N)?																								Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____ Rush Confirmation Number: _____ (call lab for #)												# of Bottles												Comments											
Sample Barcode Label				Sample (Location) Identification				Date Sampled				Time Sampled				Matrix				Metals				PC				PH				DC				PC/STEX				SAR - ICP Metals				HPL-GC-EC-DIAPA				IC-Reg 406 Excess Soil Bulk GC											
1				MW104-20				30-Nov				11:15				GW				X				X				X				X																											
2				MW106-20				↓				13:00				↓				X				X				X				X																											
3				MW1106-20				↓				13:05				↓				X				X				X																															
4																																																											
5																																																											
6																																																											
7																																																											
8																																																											
9																																																											
10																																																											

30-Nov-20 18:31
 Ronkin Gracian

 COV9090
 ASD ENV 700

* RELINQUISHED BY: (Signature/Print)				Date: (YY/MM/DD)		Time		RECEIVED BY: (Signature/Print)				Date: (YY/MM/DD)		Time		# jars used and not submitted		Laboratory Use Only									
Jeremy Karamatzi/John				20/11/30		14:30		[Signature]				20/11/30		18:31				Time Sensitive Temperature (°C) on Reel: 5/66 Custody Seal Present Intact Yes No White: BV Labs Yellow: Client									

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
 ** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.