

September 19, 2025

PH4650-LET.01-REV.03

Brofort Investments Inc.
2161 Thurston Drive
Ottawa, Ontario
K1G 6C9

Attention: **Phil Klugman**

Subject: **Septic Impact Assessment (Terrain Analysis)
Proposed Commercial Development
6165 Thunder Road, Ottawa, Ontario**



Consulting Engineers

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Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

Dear Phil Klugman,

Further to your request, Paterson Group (Paterson) has conducted a review of the area to determine the extent of system isolation based on geological conditions for the proposed development at the aforementioned site. The argument of reasonable use in this case is based on system isolation due to municipal water servicing and aquifer isolation of possible nearby potable supply wells.

Introduction

Paterson was retained by Brofort Investments Inc. to conduct a site-specific reasonable use assessment in support of a proposed commercial development to be located at 6165 Thunder Road in Ottawa. Please refer to the Key Plan attached for the approximate Site location. Paterson determined that an acceptable approach for the Terrain Analysis would be using the basis of system isolation, as the area surrounding the subject site is serviced by municipal water supply (Carlsbad Trickle Feed System), private septic systems, is underlain by a large clay deposit and any potentially impacted nearby potable supply wells are either upgradient or cross-gradient. Subject Site refers to the parcel at 6165 Thunder Road.

Hydrogeological Pre-consultation

A Hydrogeological Pre-consultation was completed with a City of Ottawa Hydrogeologist on December 2, 2022. Additional discussions were completed up to the time of writing this report. As per the discussions, the bedrock groundwater aquifer in the area is known for its poor quality, which is why the Carlsbad Trickle System was installed. As per the



results of a door-to-door survey, two dug wells were identified across a mapped watercourse from the subject site. As a massive clay layer is noted to extend from approximately 1.5 m below ground surface (bgs) to greater than 10 m bgs, any drilled wells are considered to be hydrogeologically isolated from a surficial receiving aquifer. Dug wells are required by O.Reg 903 to be constructed with a suitable sealant from 2.5 m bgs to the ground surface. The two existing nearby dug wells are on the opposite side of a mapped watercourse from the subject site, which was observed to flow southwest. As the surficial drainage direction of the properties with the dug wells and the subject site is towards the mapped watercourse, but on opposite sides of the watercourse, septic impacts due to an onsite sewage system are not anticipated to affect the dug wells.

Site Conditions

Property Description

The subject site is situated between Boundary Road and Thunder Road, with the highway 417 on/off-ramp to the north. It is proposed that a commercial development consisting of one warehouse building with two units, each with two loading bays and associated parking lot be constructed on the existing parcel. The municipal address is 6165 Thunder Road, and the lot is approximately 1.65 hectares (ha) in area. Currently, the property is undeveloped.

Surface Conditions

Based on Paterson's review of the available topographic survey information, ground surface at the subject site is generally flat and is at grade with the surrounding roadways and properties. On-site drainage is gravity controlled and will be designed to be directed toward the municipal right-of-way through surficial swales. Onsite overburden flows are anticipated to be in the northwestern direction towards a mapped watercourse which then travels southwest offsite. The subject site is surrounded by ditches which are all mapped to drain into the mapped watercourse. Groundwater flow direction in the mapped watercourse was observed to flow southwest. General groundwater flow direction is anticipated to be west towards the various unnamed tributaries of the Bear Brook Municipal Drain.

Surrounding Land Uses

The subject site is situated in a rural area which is serviced by a municipal water supply or private water supplies and private on-site septic. The Site is bordered to the north by the Highway 417, to the east by Boundary Road followed a commercial warehouse, to the south by Thunder Road followed by a gas station and residential and commercial buildings, and to the west by Thunder Road followed by undeveloped and forested lands with residential dwellings to the north-west.



Carlsbad Trickle System

The Carlsbad Trickle system is a network of small diameter pipes which supplies drinking water from the City of Ottawa's central distribution system. It was needed to address widespread well-water quality and quantity problems in a specific area. As the Carlsbad Trickle System supplies water to this area, it is a strong indicator that there is poor well water quality and/or quantity. As such, there is a reduced potential that dwellings are supplied by a private water supply. Based on the City of Ottawa Water Service Locations Plan (attached), most of the properties in the area are serviced by the Carlsbad Trickle System.

Door-to-Door Survey

A door-to-door survey was completed in an attempt to determine the nature of the private water servicing of the properties mapped to be on private services. The door-to-door survey was completed on December 9, 2022 where it was observed that 6120 and 6130 Thunder Road are privately serviced by surficial (dug) wells. 5336 Boundary Road is occupied by a gas station and was observed to be privately serviced by a drilled well with significant treatment requirements. 5348 Boundary Road was an unoccupied lot with no visible private servicing, and 6000 Thunder Road did not have any visible wells nor did they respond to outreach.

Geology

Surficial and Bedrock Geology

Paterson reviewed the available geological mapping provided by the Ontario Geological Survey (OGS MRD128) and found it to be generally consistent with the available historical surrounding Water Well Records (WWR). The mapping indicates that a coarse-textured glaciomarine deposit consisting of a sand, gravel, minor silt and clay occupies the entirety of the subject site. The surrounding WWR's indicate a deep clay deposit underlies the shallow coarse-grained layer.

Paterson drilled four (4) boreholes at 6165 Thunder Road on October 25, 2022, spaced in such a way as to provide general coverage, as part of a Geotechnical field program. The boreholes were extended to depths between 5.9 and 7.6 m below ground surface (bgs). The subsurface profile was consistent across all of the boreholes and consisted of a fill layer, underlain by a silty sand layer, and further underlain by a thick clay layer. The fill layer was observed in all boreholes and extended to depths between 0.8 and 1.2 m bgs. The underlying sand layer was observed to extend to a depth of 1.2 to 1.5 m bgs. The clay layer onsite extended from 1.2 m bgs to more than 7.6 m bgs. The results from the boreholes are consistent with the information available from surrounding WWR's. Please refer to the attached Paterson borehole logs and Paterson's Drawing PG6430-1-Test Hole Location Plan attached to this report for additional details.



A drilled water supply well was installed onsite on March 2, 2023. The drilled water supply well with WWR ID A342424 was recorded to encounter water at a depth of 53 m bgs, with the clay extending to a depth of 23.2 m bgs. The onsite WWR demonstrates a sufficient thickness (>10 m) to be used in support of system isolation in accordance with the City of Ottawa Hydrogeological Assessment and Terrain Analysis Guidelines (HTAG).

A cross section of the available WWR's was completed to demonstrate the continuity of the underlying deep clay deposit. Paterson drawing PH4650-2-Cross Section A-B-C and PH4650-3 Cross Section C-D can be found attached to this report. Clay thicknesses on available WWR's have been identified where able and presented on Paterson drawing PH4650-1- Site Plan, attached. The cross-sections show that the clay layer is 21 to 29 m thick across an approximately 1,825 m wide cross-section, which demonstrates sufficient clay thickness and lateral extent for isolation purposes.

Available bedrock geological mapping provided by the Ontario Geological Survey (MRD 219) indicates that the bedrock underlying the subject site consists of shale and limestone of the Carlsbad Formation. Available overburden thickness mapping shows a drift thickness of 25 to 50 m across the subject site.

Hydrogeology

Based on the topographic relief of the area and available groundwater flow direction mapping, the onsite overburden groundwater flow direction is expected to trend towards the northwest of the property. The general overburden flow direction is anticipated to be towards the west towards the various unnamed tributaries of the Bear Brook Municipal Drain. As the overburden deposit is mapped to consist of a thin layer of sand underlain by a thick layer of clay, the surficial overburden aquifer is anticipated to be shallow. The underlying thick clay layer is anticipated to isolate the shallow receiving layer from the aquifers accessed by local wells.

A mapped watercourse runs along the northernmost portion of the subject site. Paterson completed site visits to observe the watercourse, which was confirmed to be flowing towards the southwest. A mapped ditch along the northern part of Thunder Road, which is located in front of the residences on dug wells (6140 and 6130 Thunder Road), was observed to flow from the northwest towards the southeast along Thunder Road, where it joins the mapped watercourse heading southwest. Any local surficial flows are anticipated to flow into the mapped watercourse which travels southwest from the subject site.

With respect to existing aquifers in the area, as the shallow overburden aquifer (receiving aquifer) was identified to be very shallow (in the sand layer above the clay, with a maximum depth of 1.5 m bgs according to onsite boreholes). The overburden, consisting of sand, gravel, and silt acts as the receiving aquifer, and is hydrologically isolated from the clay and bedrock aquifers due to the low permeability of the clay layer.



Hydrogeological Sensitivity

As the proposed site does not have bedrock within 2 m of the ground surface, the site is not considered hydrogeologically sensitive. Any new sewage systems shall be designed in accordance with Part 8 of the Ontario Building Code.

Surrounding Water Well Records

A search of the Ministry of the Environment, Conservation and Parks water well records (WWR) resulted in 2 WWR's within a 500 m radius of the subject site. Both WWR's are for drilled potable supply wells. The most recent WWR for a potable supply well was completed in 2018. The historical well depths for the domestic wells ranged from 30.5 m bgs to 61 m bgs. All WWR's can be found attached to this report. Only one of the available WWR's is currently believed to be in use in the area due to municipal water servicing and potential water quality issues within the underlying bedrock aquifer. Two properties approximately 350 m to the northwest of the subject site are not serviced by municipal supply, according to water service location mapping supplied by the City of Ottawa. As per Paterson's door-to-door survey, those two properties use shallow dug wells as supply wells.

Based on the measurements on the drawing on the WWR, it is believed that the WWR with WWR ID 1525164 is associated with the well located on 5336 Boundary Road, which is a gas station. The soil descriptions on the WWR shows that the top 21.3 m of overburden consists of silty clay, which is impermeable compared to other materials. Furthermore, the well casing goes down to 23.5 m bgs, which extends to the bedrock. The thick layer of clay and long well casing suggest that, even though the property is not municipally serviced, it can be considered an isolated system.

Karst Features

The term "karst" refers to a geologic formation characterized by the dissolution of carbonate bedrock, such as limestone or dolostone. In order for karstification to occur, precipitation must be allowed to infiltrate the top of the bedrock to dissolutionally enlarge previously existing joints and bedding planes. Based on available mapping by the Ontario Geological Survey, there is no inferred, potential or known karstification in the subject area.

System Isolation

A review of available information was undertaken to assess if there were any sensitive receptors in proximity to the subject site and if there were the appropriate geological conditions in the area to meet isolation of the proposed sewage system from the underlying water supply aquifer.

Based on the topographic relief of the area and available groundwater flow direction mapping, the general onsite overburden groundwater flow direction is expected to trend



in a northwesterly direction towards the mapped watercourse, which then flows west towards the various unnamed tributaries of the Bear Brook Municipal Drain. As the overburden deposit is recorded to consist of sand, silt, and gravel overlying clay, the overburden (receiving) aquifer is anticipated to be shallow while the overburden supply aquifer in the clay layer is not anticipated to be shallow.

Paterson completed a site visit to determine the subsoil within the mapped watercourse to confirm hydrogeological isolation of the adjacent residential properties to the north. The base of the watercourse contained a thin layer of silty sand overlying a deep deposit of silty clay. A test hole was completed on the north side of the watercourse which noted 0.45 m of silty sand overlying 0.32 m of silty clay where the hole was terminated. The clay layer in the test hole was encountered at 76.02 m above sea level. Another test hole was completed in the watercourse. A small layer of organics mixed with sediments directly overlaid a silty clay layer at the base of the watercourse. The clay layer underlying the watercourse was encountered at 76.04 m asl. The thick silty clay layer is noted to extend at a consistent elevation beneath the watercourse and the surrounding silty sand layer, and the sand layer was noted to be absent in the watercourse. The information indicates the overburden groundwater at the subject site is hydrogeologically separated from the residential lots to the northwest.

The only adjacent or downgradient residential properties within 500 m of the subject site are 6116, 6120, 6130, and 6140 Thunder Road to the northwest, and 5368 and 5376 Boundary Road to the south. Commercial properties in the surrounding area include 6150 Thunder Road, and 5336 Boundary Road, and a number of upgradient / cross gradient commercial buildings located to the south. Of the aforementioned residential properties, 6116 and 6140 Thunder Road are mapped to be on municipal services.

It is known that many of the surrounding properties have been serviced by municipal water connections, and those that are not municipally serviced, should have access to a municipal water connection. The onsite overburden flow direction is expected in a northwesterly direction towards the mapped watercourse, and the general overburden flow direction is anticipated be west towards the various unnamed tributaries of the Bear Brook Municipal Drain. The only potential downgradient receptor from the subject site is 6150 Thunder Road, which is anticipated to be municipally serviced.

The residences located at 6116, 6120, 6130, and 6140 Thunder Road are all considered cross gradient as both the residences and the subject site have an overburden flow direction towards the mapped watercourse, but on opposite sides from each other.

All properties to the south and east are anticipated to be upgradient or cross gradient of the subject site and, therefore, potential septic impacts from the subject site are expected to be negligible.

A door-to-door survey was performed on December 9, 2022 to attempt to identify dug wells on properties that were not municipally serviced. Based on available aerial imaging, google street view, and a door-to-door survey, two dug wells and a drilled well exists in



the vicinity of the subject site. The dug wells were located at 6120, and 6130 Thunder Road, and the drilled well is located at 5336 Boundary Road. The two dug wells and the drilled well are considered either upgradient or cross gradient from the subject site.

5336 Boundary Road

A WWR (No. 1525164) for 5336 Boundary Road was found using the MECP WWR mapping tool. 5336 Boundary Road is occupied by a gas station and is located across Thunder Road from the subject site. According to available mapping and field observations, 5336 Boundary Road is anticipated to be upgradient from the subject site. From on-site investigations, a drilled well casing was found which matched the location on the WWR. According to the WWR, a thick layer of clay extends to 21.3 m bgs followed by a 2.2 m layer of packed gravel, and effectively isolates the supply aquifer from the receiving aquifer. From the WWR, the drilled well has a depth of 30.5 m bgs with a 23.5 m steel casing which further isolates the well from the overburden receiving aquifer.

6120 and 6130 Thunder Road

WWRs for 6120 and 6130 were not available on the MECP online WWR mapping tool. The properties are located approximately 300-350 m to the northwest of the subject site. According to the door-to-door survey results, the properties are serviced by shallow or dug wells. There is a mapped water course that flows northeast to southwest located between 6120 and 6130 Thunder Road and the subject site. The ditches located in front of 6120 and 6130 Thunder Road were observed to flow from northwest to southeast towards the mapped watercourse. Therefore, 6120 and 6130 Thunder Road are considered cross-gradient from the subject site rather than downgradient.

As there is a thick clay layer underlying the shallow sand layer on the subject site, it is anticipated that the surficial receiving aquifer is isolated from the supply aquifer. Therefore, due to the distance from the subject site, the surficial geology, the O.Reg 903 dug well requirements, and the watercourse between the aforementioned properties and the subject site, the aforementioned properties can be considered as isolated systems from the subject site.

City of Ottawa Three-Step Assessment Process

The City of Ottawa stipulates the use of a three-step assessment process which is outlined in the Hydrogeological and Terrain Analysis Guidelines (HTAG) dated March 2021. The three-step assessment process looks at Lot Size Considerations, System Isolation Characteristics, and Contaminant Attenuation Considerations.

Lot Size Considerations

As the subject site is approximately 1.65 ha in size, it is greater than the minimum lot size of 1 ha. However, as the subject site will be used for commercial purposes rather than residential, the lot size consideration is not applicable.



System Isolation Characteristics

Should a System Isolation approach be considered, the City asks that the consultant demonstrate system isolation using multiple lines of evidence.

In the case of the proposed commercial development, potential septic impacts would occur downgradient from the subject site. The onsite overburden flow direction is expected to trend in a northwesterly direction towards a mapped watercourse which then flows from the northeast to the southwest. General groundwater flow direction is anticipated to be west towards the various unnamed tributaries of the Bear Brook Municipal Drain.

The only lot which is considered downgradient is 6150 Thunder Road. There are a number of cross gradient and upgradient lots from the subject site including: 6166, 6120, 6130, and 6140 Thunder Road. Of the cross gradient sites, 6166, 6140, and 6150 Thunder Road are mapped to be on municipal servicing from the Carlsbad Trickle System.

The onsite surficial flow from 6120 and 6130 Thunder Road is anticipated to be in a southeasterly direction towards the surficial water course, which then flows to the southwest. The general groundwater flow direction is anticipated to be west towards the various unnamed tributaries of the Bear Brook Municipal Drain.

The mapped watercourse which flows from the northeast to the southwest separates 6120 and 6130 Thunder Road from the subject site. The watercourse effectively makes the downgradient sites cross gradient from the subject site, therefore, making them isolated systems. Furthermore, due to the shallow silty sand layer underlain by the thick silty clay layer beneath the watercourse, it is not anticipated that any flows from the subject site would cross the watercourse, further supporting the cross gradient flows and system isolation.

Surficial geology mapping from the OGS notes that a coarse-textured glaciomarine deposit consisting of a sand, gravel, minor silt and clay occupies the entirety of the subject site. The surrounding WWR's indicate a deep clay deposit that underlies the shallow coarse-grained layer, which is corroborated by the onsite WWR. The deep clay deposit effectively separates the shallow receiving aquifer from the deeper supply aquifer, resulting in an isolated system. Due to the low hydraulic conductivity of clay, the outflow from the subject site is anticipated to remain in the sand and gravel receiving aquifer and is unlikely to pass through the clay layer. Therefore, the proposed site would act as an isolated system with respect to the neighbouring properties regardless of whether the neighbouring properties were supplied by municipal or private potable water sources as the receiving aquifer is isolated from the supply aquifer.

Furthermore, as the local water course runs southwest between the subject site and the residential properties to the northwest, the water course would intercept any surficial



septic discharge moving downgradient. This would cause the north-western properties to effectively be cross gradient from the subject site, and, therefore, act as isolated systems.

As the Carlsbad Trickle System services the area, and the purpose of the Carlsbad trickle system is to provide potable water to areas which have known poor water quality, it is unlikely that any new wells will be installed in the future.

As the proposed commercial development meets the requirements for system isolation, the third step of the City of Ottawa's Reasonable Use Assessment (Contaminant Attenuation Considerations) was not completed.

Development Considerations

The onsite sewage disposal needs can be accommodated by a conventional Class 4 Sewage System or a sewage system utilizing tertiary treatment technologies, as per OBC criteria. Standard Class 4 systems with tertiary treatment typically include a treatment unit between the septic tank and the leaching bed. Tertiary sewage treatment technologies are accepted in the OBC. It should be noted that tertiary treatment systems require a contract to perform annual maintenance.



Conclusions

The following statements and conclusions are based upon a review of the available information and analysis contained within this letter report:

- ☐ The subject site is generally suitable for development based upon its location, topography, and surrounding land uses from a system isolation perspective.
- ☐ The Carlsbad Trickle System provides a municipal water supply to the surrounding area due to the generally poor water quality encountered in the underlying bedrock aquifer. The surrounding lots in the area have the ability to be serviced by municipal water supply.
- ☐ A review of adjacent WWRs indicate that a thick clay layer underlies the subject site and surrounding lots.
- ☐ Two shallow potable water supply wells, 6120 and 6130 Thunder Road, were confirmed by a door-to-door survey in proximity to the site
- ☐ While 6120 and 6130 Thunder Road are serviced by dug wells, due to the watercourse between the subject site and the aforementioned properties resulting in the site's cross gradient location, the significant distance from the subject site, the requirements for the sealing of dug wells, and deep clay overburden with low hydraulic conductivity, 6120 and 6130 Thunder Road present a low potential for related impacts.
- ☐ Onsite sewage disposal needs can be accommodated with a Class 4 Sewer System utilizing tertiary treatment technologies or a conventional sewage system.
- ☐ The construction of an onsite sewage system is not anticipated to affect the performance or water quality associated with any nearby drilled or dug wells, contingent upon the onsite sewage system being designed in accordance with Part 8 of the Ontario Building Code (i.e properly sized sewage system and conforming to all separation distances).
- ☐ The subject site is sufficient in size to accommodate a new sewage system and meet all the regulatory separation criteria.
- ☐ A Sewage System permit and Building Permit need to be issued prior to the commencement of construction on any future building(s) or any new septic system(s).
- ☐ Based on the review of the system isolation of the adjacent properties, the only potential downgradient receptor (6150 Thunder Road) was determined to be in a municipally serviced by the Carlsbad Trickle System. As such, the subject site located at 6165 Thunder Road presents a low potential for related septic impacts.



Based on the results of the review, it is our opinion that the proposed property meets the standard from a site-specific system isolation assessment. There are no sensitive receptors nearby or in the downgradient direction within the same aquifer. The subject site can adequately support the proposed lot without having a negative impact on the groundwater supply aquifer with the use of a sewage system designed in accordance with OBC.

We trust that the current submission satisfies your immediate requirements.

Best Regards,

Paterson Group Inc.

Alexander Schopf, PhD, EIT



Erik Ardley, P.Geo

Attachments:

- ☐ Paterson Key Plan
- ☐ Paterson Test Hole Logs
- ☐ MECP Water Well Records (Surrounding 500 m radius)
- ☐ City of Ottawa Water Service Locations Plan
- ☐ PG6430-1-Test Hole Location Plan
- ☐ PH4650-1- Site Plan
- ☐ PH4650-2- Cross Section A-B-C
- ☐ PH4650-3- Cross Section C-D
- ☐ Stewart + Tsai Architects Inc Proposed Site Plan



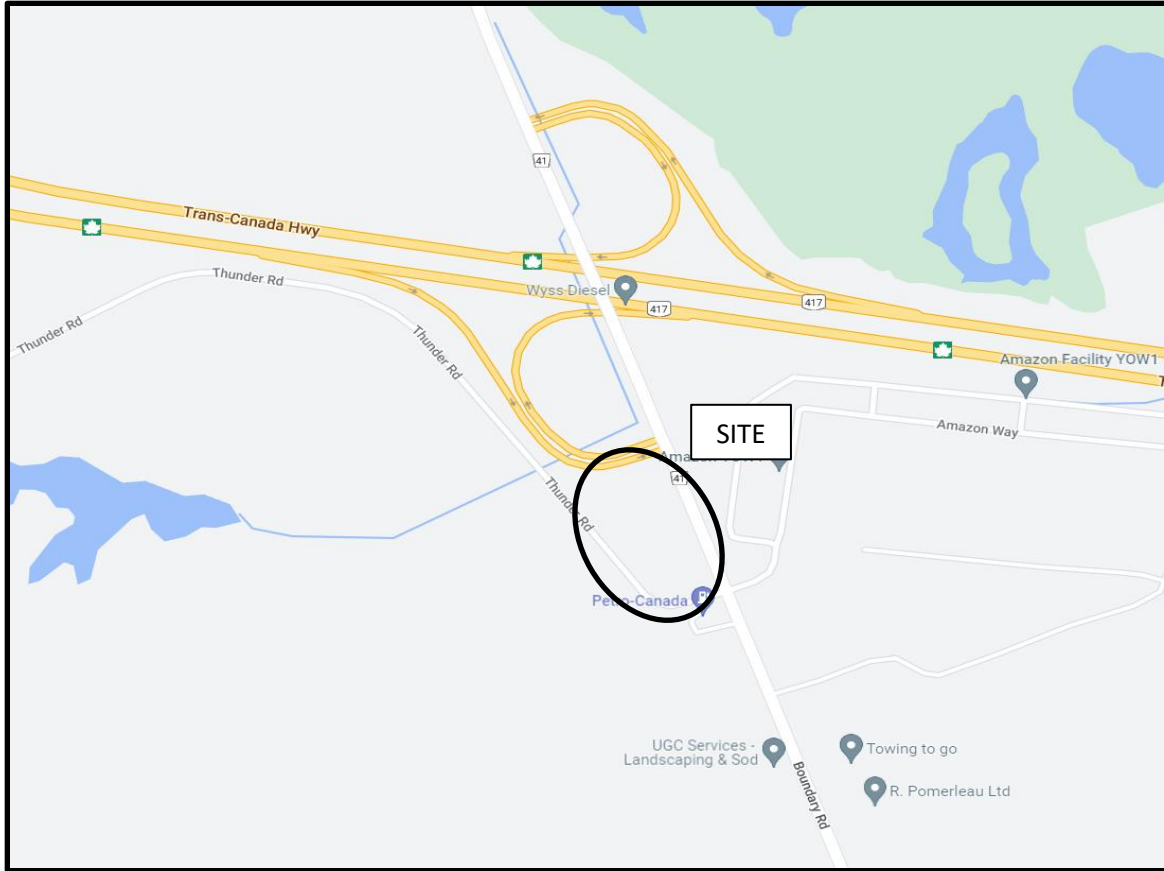


FIGURE 1

KEY PLAN

DATUM Geodetic

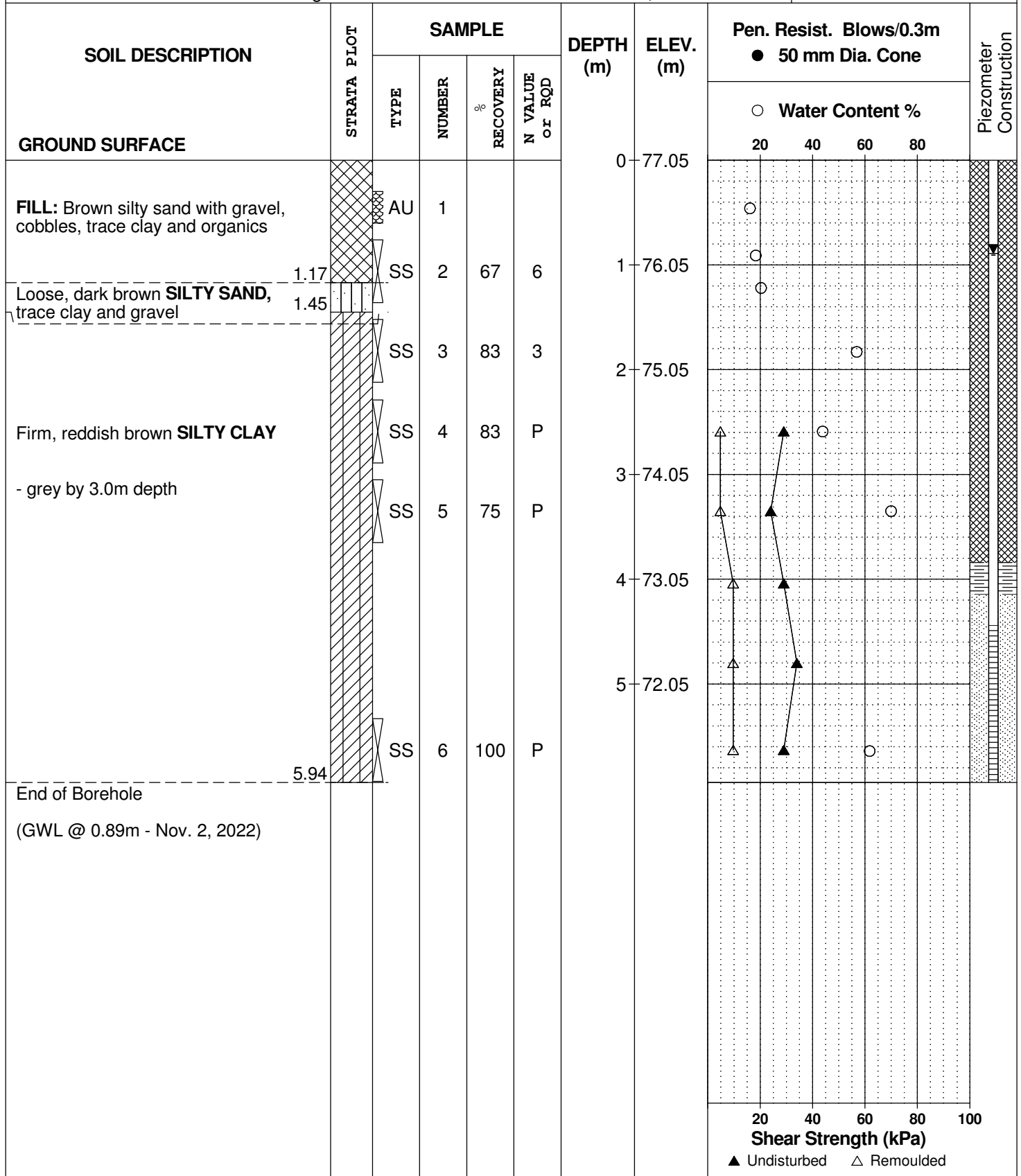
REMARKS

BORINGS BY Track-Mount Power Auger

DATE October 25, 2022

FILE NO.
PG6430

HOLE NO.
BH 1-22



DATUM Geodetic

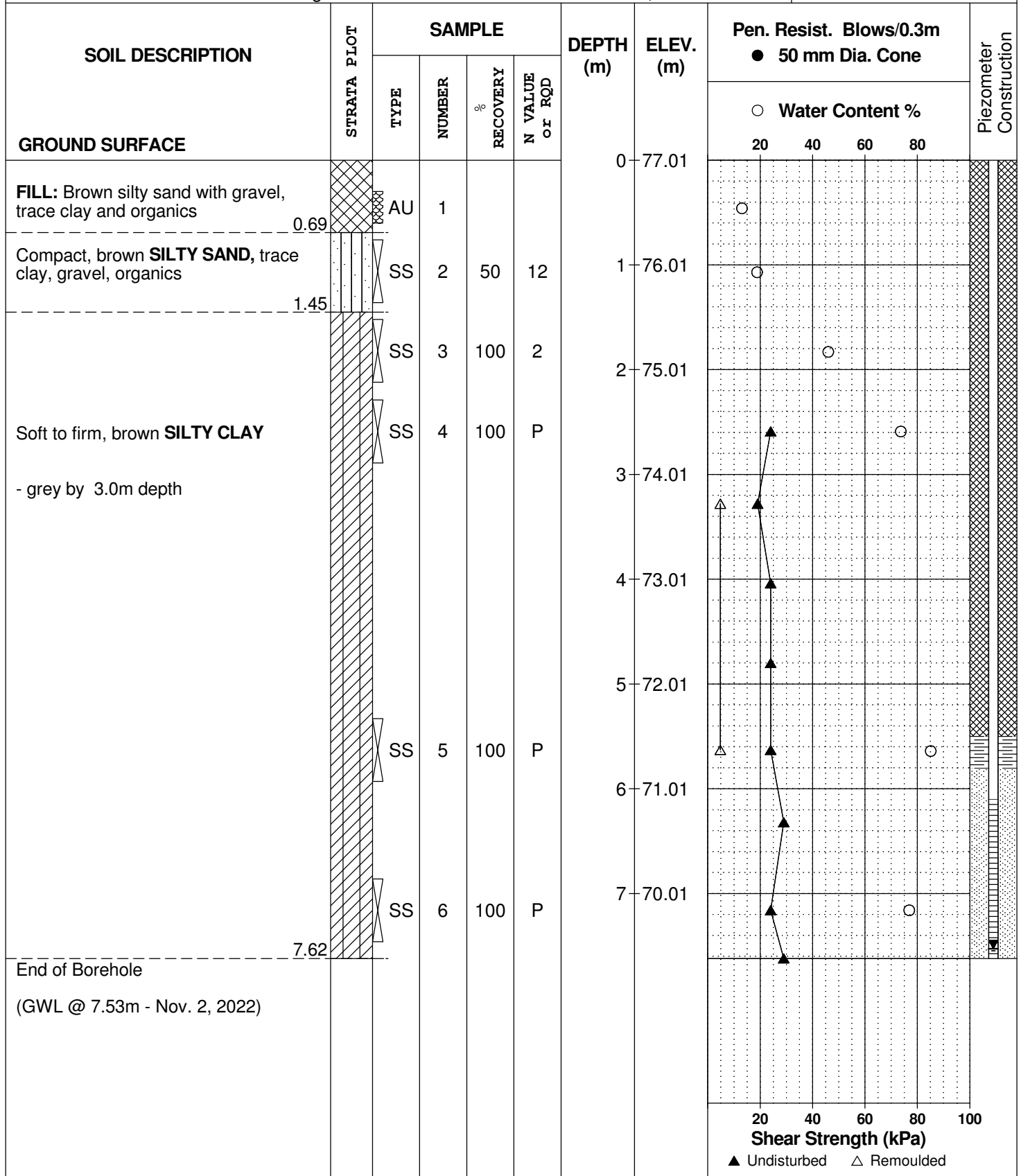
REMARKS

BORINGS BY Track-Mount Power Auger

DATE October 25, 2022

FILE NO.
PG6430

HOLE NO.
BH 2-22



DATUM Geodetic

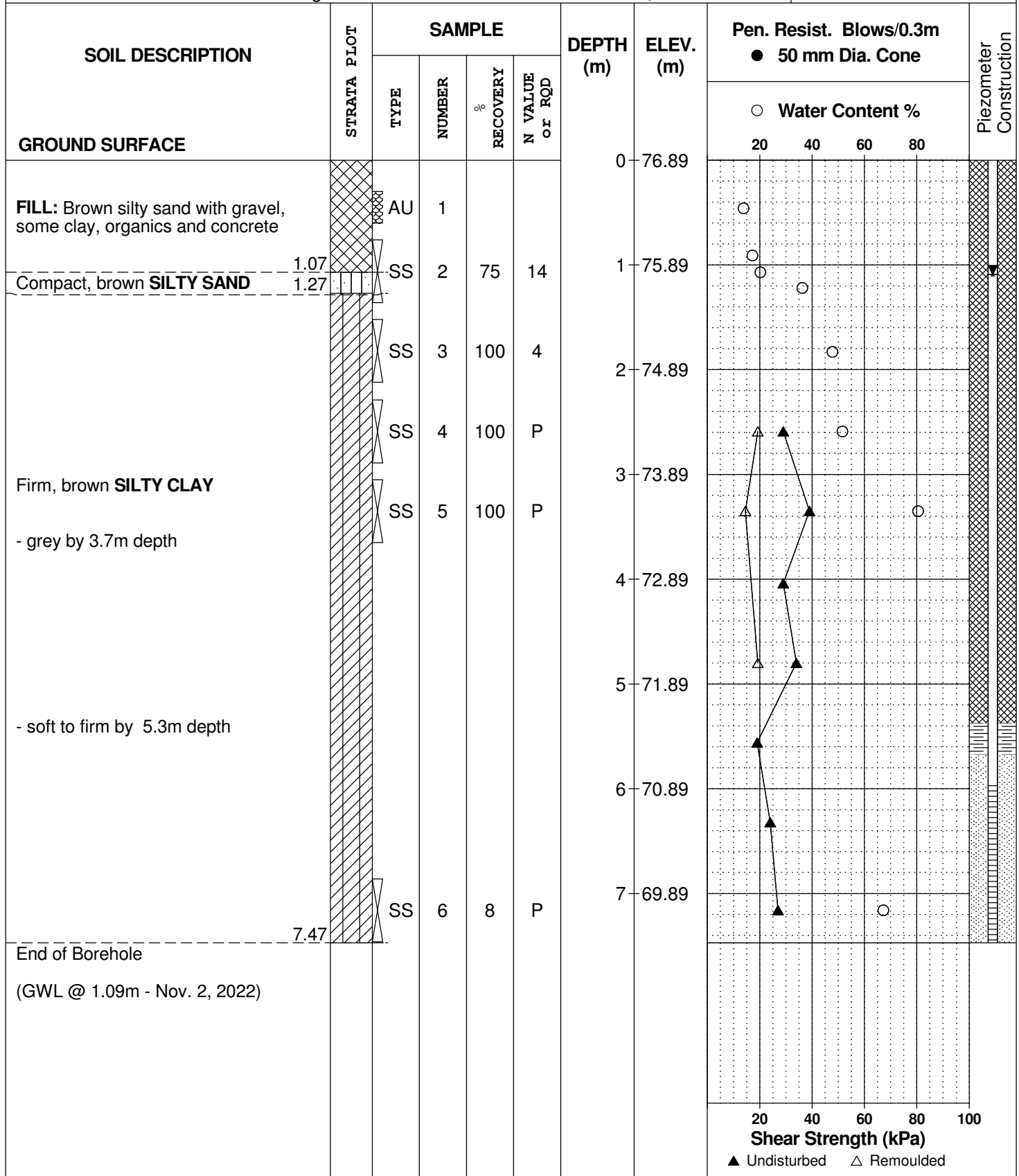
REMARKS

BORINGS BY Track-Mount Power Auger

DATE October 25, 2022

FILE NO.
PG6430

HOLE NO.
BH 3-22



DATUM Geodetic

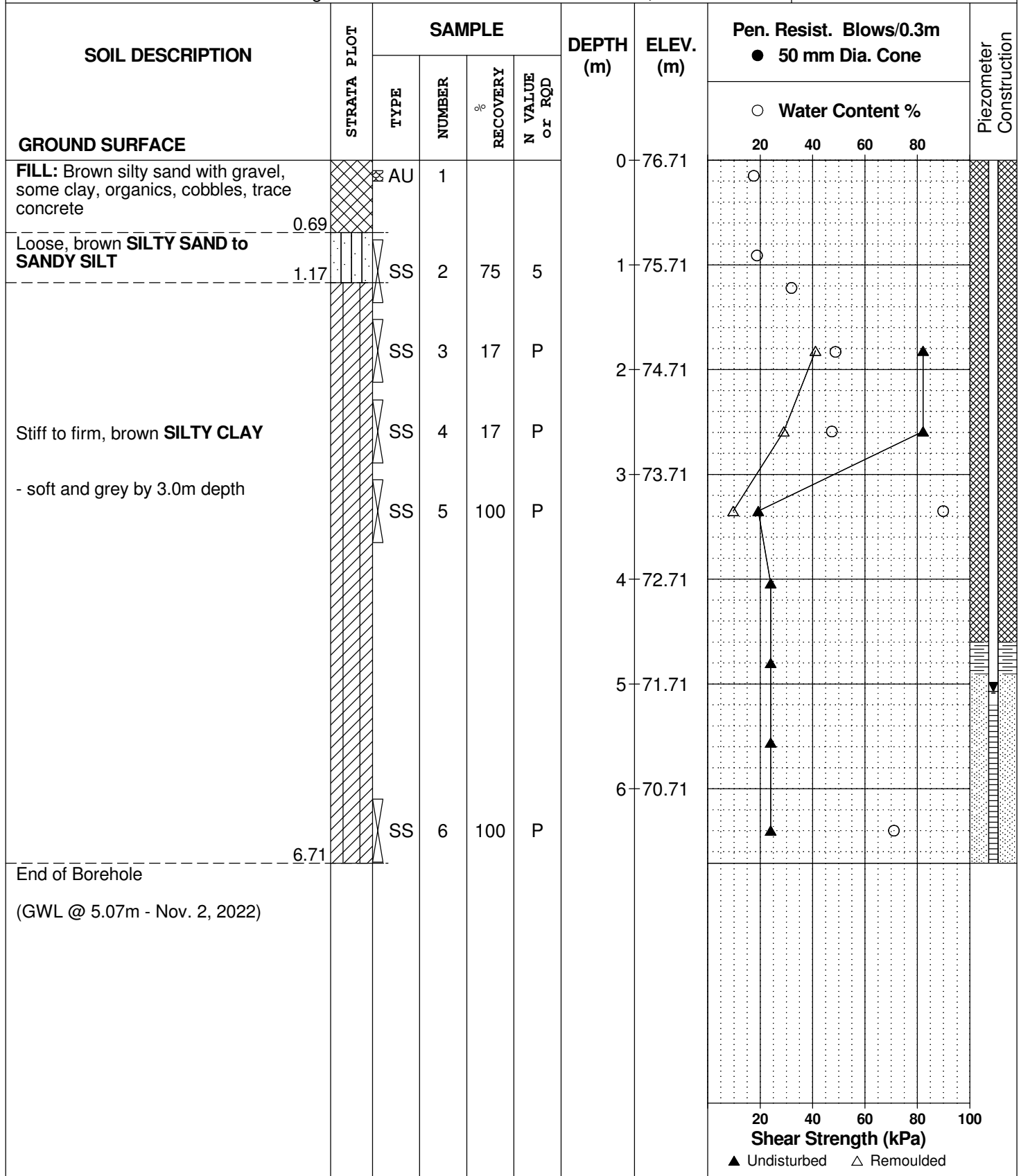
REMARKS

BORINGS BY Track-Mount Power Auger

DATE October 25, 2022

FILE NO.
PG6430

HOLE NO.
BH 4-22





1512885

The Ontario Water Resources Commission Act

WATER WELL RECORD

31666

Water management in Ontario 1. PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 5601307

MUNICIP.

56.00.3

CON.

Cdn

11

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
RUSSELL	CUMBERLAND	ELEVEN	220
OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED	48-53
DEPT. OF HWY'S	DOWNSVIEW AVE DOWNSVIEW	01 03 71	
ZONE	NORTHING	ELEVATION	RC. BASIN CODE
21 10 16 4920	5022140	02600	4 125

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN LOAM		SAND	LOOSE	0	2
RUST SAND				2	35
GREY CLAY			HARD.	35	106
BLUE			SOFT.	106	
GREY		LIMESTONE	LAYERED.		255

1512885

31

32

WATER RECORD

CASING & OPEN HOLE RECORD

WATER FOUND AT - FEET	KIND OF WATER	INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
0186	1 ☒ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL	10-11 6 1/4	2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	188 0	61
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL	12-13 6 1/4	2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	188 61	127
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL	24-25 6 1/4	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	127 155	

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
		31-33	39-40
	MATERIAL AND TYPE	INCHES	FEET
		41-44	80

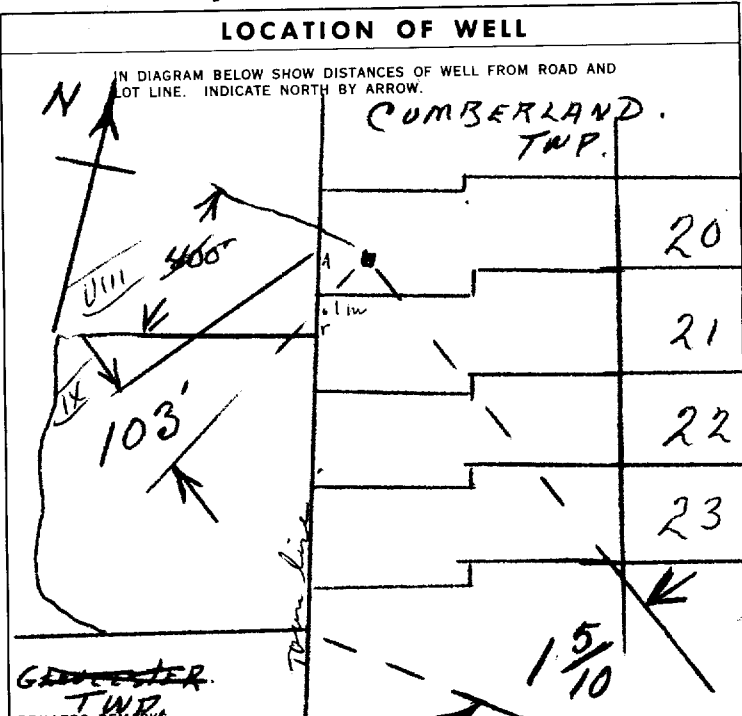
61 PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
FROM 0000 0000 0000 0000	
TO 160 220 220 220	SAND
	CEMENT
	SAND

71

PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILEY	0010	01 00
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
022	190	15 MINUTES 045 30 MINUTES 090 45 MINUTES 135 60 MINUTES 190
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	190	1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
1 ☐ SHALLOW 2 ☒ DEEP		

LOCATION OF WELL



FINAL STATUS OF WELL

1 ☒ OBSERVATION WELL	5 ☒ ABANDONED, INSUFFICIENT SUPPLY
2 ☐ TEST HOLE	6 ☐ ABANDONED, POOR QUALITY
3 ☐ RECHARGE WELL	

WATER USE

1 ☐ DOMESTIC	5 ☐ COMMERCIAL
2 ☐ STOCK	6 ☐ MUNICIPAL
3 ☐ IRRIGATION	7 ☒ COOLING OR AIR CONDITIONING
4 ☐ INDUSTRIAL	8 ☐ OTHER

METHOD OF DRILLING

1 ☒ CABLE TOOL	6 ☐ BORING
2 ☐ ROTARY (CONVENTIONAL)	7 ☐ DIAMOND
3 ☐ ROTARY (REVERSE)	8 ☐ JETTING
4 ☐ ROTARY (AIR)	9 ☐ DRIVING
5 ☐ AIR PERCUSSION	

NAME OF WELL CONTRACTOR	LICENCE NUMBER
John Giroux	2333
ADDRESS	
RR 2 MAHORYTOWN	
NAME OF DRILLER OR BORER	LICENCE NUMBER
Ross Wilkins	2333
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
John Giroux	1 3 71

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	2333	08 03 71
DATE OF INSPECTION	INSPECTOR	
	Vm	
REMARKS:		

VRC COPY



Ministry of the Environment

1525164

Ontario
OTTAWA - CARLETON

1. PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

WATER WELL RECORD

The Ontario Water Resources Act

11

1525164

MUNICIPALITY
15002

CONTRACTOR
CON

DATE
09

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

CON. BLOCK, TRACT, SURVEY, ETC.

LOT

DATE COMPLETED
DAY 3 MO 5 YR 90

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
Yellow	Sand	Loam	Loose	0	2
Blue	Clay		Dense	2	70
Grey	Till		Packed	70	77
Grey	Limestone		Layered	77	100

31

32

41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
93	1 ☐ FRESH 3 ☒ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
15-18	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
20-23	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
25-28	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
30-33	1 ☐ FRESH 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD			
INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/4	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188	0 77
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		77 100

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
		INCHES	FEET
	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	

61 PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
2	Clay

71 PUMPING TEST	PUMPING TEST METHOD	10 PUMPING RATE	11-14 DURATION OF PUMPING
	1 ☒ PUMP 2 ☐ BAILER	25	15-16 HOURS 17-18 MINS
	STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
	6	40	15 MINUTES 26-28 16 FEET 30 MINUTES 29-31 26 FEET 45 MINUTES 32-34 36 FEET 60 MINUTES 35-37 40 FEET
	IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
	40	1 ☐ CLEAR 2 ☒ CLOUDY	
	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
	☐ SHALLOW ☒ DEEP	40	25

FINAL STATUS OF WELL	1 ☒ WATER SUPPLY 2 ☒ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL	5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
	WATER USE	
	1 ☐ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER	
METHOD OF CONSTRUCTION	5 ☒ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED	
	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION	

LOCATION OF WELL	
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.	
DRILLER'S REMARKS	

CONTRACTOR	NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
	Roy's LBR Ltd	4609
	ADDRESS	
	Cornwall	
	NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
	Roger Roy	T-0330
	SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
		DAY MO. YR.

OFFICE USE ONLY	DATA SOURCE	58 CONTRACTOR	59-62 DATE RECEIVED	63-68
		4609	DEC 04 1990	
	DATE OF INSPECTION	INSPECTOR	REMARKS	



Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.
- All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information

Ministry Use Only									
MUN	15	00	2	CON	OF			LOT	02

RR#/Street Number/Name	Plan 50M-136 Pt BLK1	City/Town/Village	Cumberland (Attawapiskat) Rd. 3 RPS 0126V2.0					
GPS Reading	NAD 83	Zone 18	Easting 465747	Northing 5020692	Unit Make/Model	Mode of Operation:	☐ Undifferentiated	☒ Averaged
							☐ Differentiated, specify	

Log of Overburden and Bedrock Materials (see instructions)

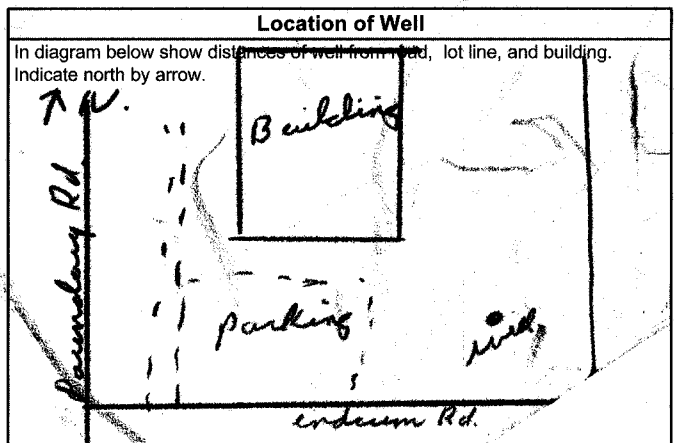
General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	Sandy soil	clay		0	5
grey	clay			5	15
blue	clay			15	95
grey	hard pan	gravel		95	109
grey	rock			109	110

Hole Diameter			Construction Record				Test of Well Yield			
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down	Recovery
0	110	6"						Sub.	Time min	Water Level Metres
								Pump intake set at - (metres) 52'	Static Level	2.60
								Pumping rate - (litres/min) 42	1	2.70
								Duration of pumping 1 hrs + min	2	2.70
								Final water level end of pumping metres	3	2.70
								Recommended pump type	4	2.72
								Recommended pump depth. 50' metres	5	2.72
								Recommended pump rate. 50 (litres/min)	10	2.72
								If flowing give rate - C (litres/min)	15	2.74
								If pumping discontinued, give reason.	20	2.74
									25	2.75
									30	2.75
									40	2.75
									50	2.76
									60	2.77

Plugging and Sealing Record			☒ Annular space	☐ Abandonment
Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
0	30"	grout.	3 bag.	

Method of Construction			
☒ Cable Tool	☐ Rotary (air)	☐ Diamond	☐ Digging
☐ Rotary (conventional)	☐ Air percussion	☐ Jetting	☐ Other
☐ Rotary (reverse)	☐ Boring	☐ Driving	
Water Use			
☒ Domestic	☐ Industrial	☐ Public Supply	☐ Other
☐ Stock	☐ Commercial	☐ Not used	
☐ Irrigation	☐ Municipal	☐ Cooling & air conditioning	
Final Status of Well			
☒ Water Supply	☐ Recharge well	☐ Unfinished	☐ Abandoned, (Other)
☐ Observation well	☐ Abandoned, insufficient supply	☐ Dewatering	
☐ Test Hole	☐ Abandoned, poor quality	☐ Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor	Well Contractor's Licence No.
Maurice Caper Ltd	1547
Business Address (street name, number, city etc.)	
Carleton Place	
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Signature of Technician/Contractor	Date Submitted
X Maurice Caper	2004



Audit No.	2 12477	Date Well Completed	2004 05 27
Was the well owner's information package delivered?	☒ Yes ☐ No	Date Delivered	2004 05 27

Ministry Use Only	
Date Source	Contractor
1517	
Date Received	Date of Inspection
AUG 18 2004	
Remarks	Well Record Number
	1534876



Measurements recorded in: ☒ Metric ☐ Imperial

Page _____ of _____

Well Owner's Information

First Name Boundry Road Development Inc.	Last Name / Organization Boundry Road Development Inc.	E-mail Address N/A	☐ Well Constructed by Well Owner
Mailing Address (Street Number/Name) 16766 Transcanadienne	City/Town/Village Kirkland	Province Q.C.	Postal Code H9H4M7
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) 5371 Boundry Road	Township Cumberland	Lot 21	Concession 11
County/District/Municipality Ottawa	City/Town/Village Cambes Spring	Province Ontario	Postal Code
UTM Coordinates NAD 83 184653005021483	Zone 18	Easting 4653005	Northings 021483
Municipal Plan and Sublot Number			Other

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	To
Brown	Fill	clay, Stone	Hard	0	1.8
Brown	clay	Silt	Hard	1.8	3.9
Grey	clay		Soft	3.9	21.0
Grey	gravel	Silt, sand	packed	21.0	60.96
				22.25	
Grey	shale		layered	22.25	60.96

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
0	24.99	ciment grout

Method of Construction		Well Use	
☐ Cable Tool	☐ Diamond	☐ Public	☐ Commercial
☐ Rotary (Conventional)	☐ Jetting	☐ Domestic	☐ Municipal
☐ Rotary (Reverse)	☐ Driving	☐ Livestock	☐ Test Hole
☐ Boring	☐ Digging	☐ Irrigation	☒ Monitoring
☒ Air percussion		☐ Industrial	☐ Cooling & Air Conditioning
☐ Other, specify		☐ Other, specify	

Construction Record - Casing			Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
15.55	Steel	.48	6.6	24.99
15.32	Open Hole		24.99	60.96

Construction Record - Screen			Status of Well	
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☒ Untested	Depth (m/ft) From	To
27 (m/ft)	☐ Gas ☒ Other, specify	0	24.99
52 (m/ft)	☐ Gas ☒ Other, specify	24.99	60.9
	☐ Gas ☐ Other, specify		

Business Name of Well Contractor Poussais Well Drilling Inc.	Well Contractor's Licence No. 714117
Business Address (Street Number/Name) 14245 Conco. 10-11	Municipality Coyles
Province On	Postal Code K0A1R0
Business E-mail Address N/A	
Bus. Telephone No. (inc. area code) 61398752911	Name of Well Technician (Last Name, First Name) G. ENIER, MICHAEL
Well Technician's Licence No. 34913	Signature of Technician and/or Contractor [Signature]
Date Submitted 20180326	

Results of Well Yield Testing			
After test of well yield, water was: ☒ Clear and sand free ☒ Other, specify cloud		Draw Down	
If pumping discontinued, give reason:		Time (min)	Water Level (m/ft)
Pump intake set at (m/ft) 60		Static Level	Recovery
Pumping rate (l/min / GPM) 42		1	4.42
Duration of pumping 1 hrs + 0 min		2	4.61
Final water level end of pumping (m/ft) 5.75		3	4.75
If flowing give rate (l/min / GPM)		4	4.78
Recommended pump depth (m/ft) 58		5	4.79
Recommended pump rate (l/min / GPM) 66		10	4.96
Well production (l/min / GPM) 75		15	5.16
Disinfected? ☒ Yes ☐ No		20	5.24
		25	5.31
		30	5.32
		40	5.62
		50	5.70
		60	5.75

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered ☒ Yes ☐ No	Date Package Delivered 20180327
Date Work Completed 20180323	Ministry Use Only
	Audit No. 276189
	MAY 07 2018
	Received



Legend

w_Service_Location

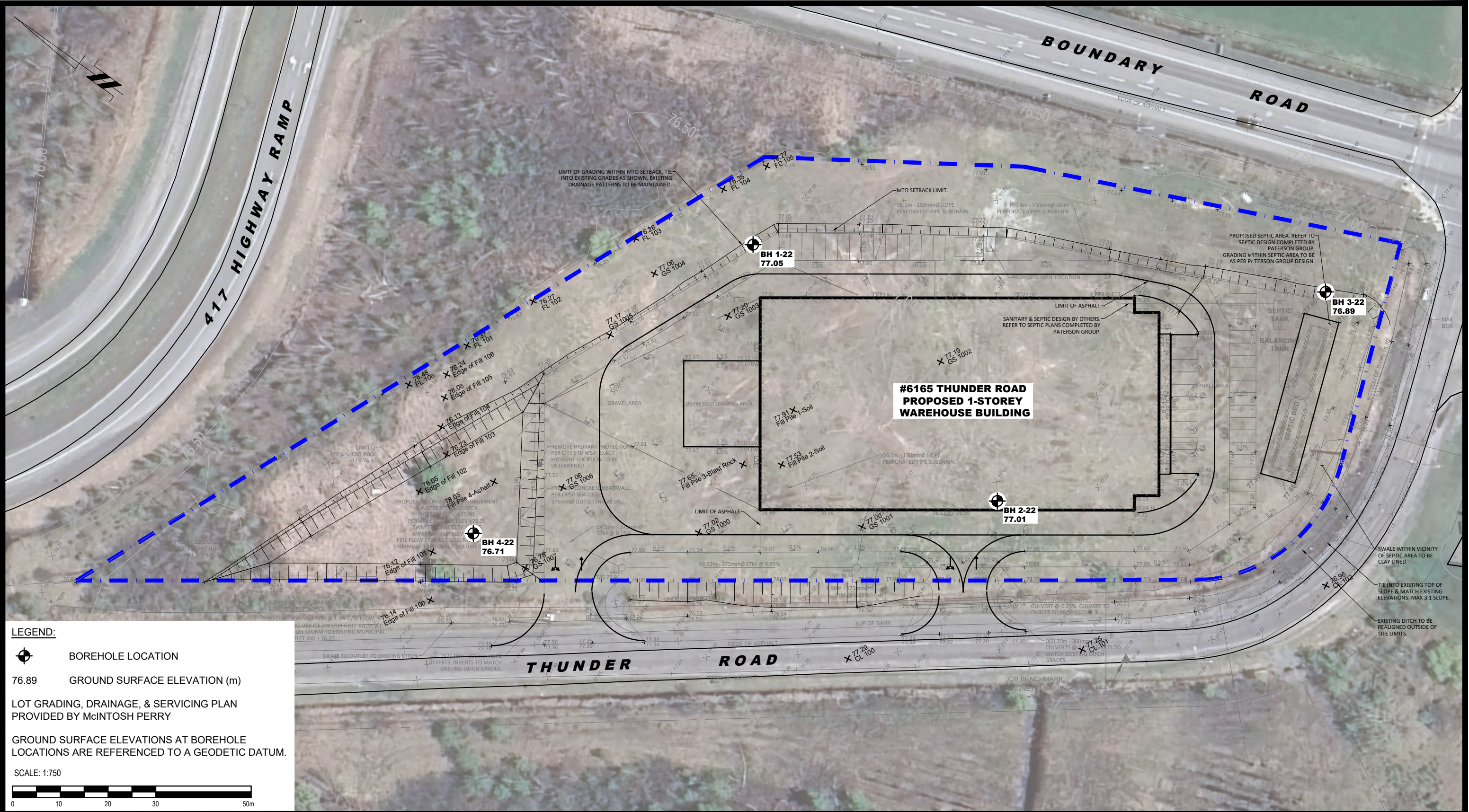
w_Pipe

Service Pipe

Water Pipe

1:5,000





LEGEND:

BOREHOLE LOCATION

76.89 GROUND SURFACE ELEVATION (m)

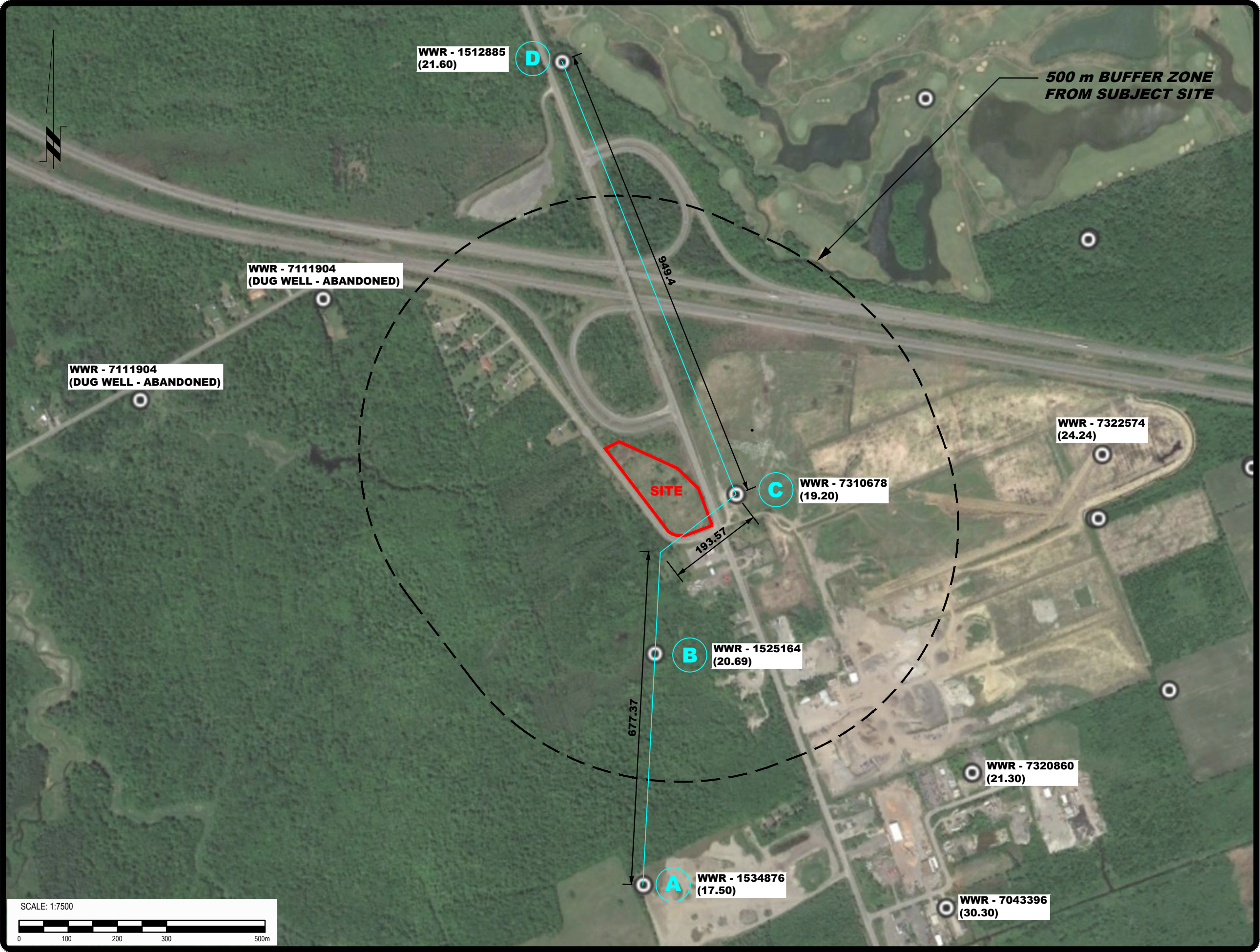
LOT GRADING, DRAINAGE, & SERVICING PLAN
PROVIDED BY McINTOSH PERRY

GROUND SURFACE ELEVATIONS AT BOREHOLE
LOCATIONS ARE REFERENCED TO A GEODETIC DATUM.

SCALE: 1:750

9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381				BROFORT INVESTMENTS INC. GEOTECHNICAL INVESTIGATION PROPOSED WAREHOUSE BUILDING 6165 THUNDER ROAD ONTARIO			Scale: 1:750	Date: 12/2022
							Drawn by: GK	Report No.: PG6430-1
							Checked by: NP	Dwg. No.: PG6430-1
							Approved by: FA	Revision No.: 1

1	UPDATED SITE PLAN	24/04/2024	GJ
NO.	REVISIONS	DATE	INITIAL



LEGEND:

- WATER WELL LOCATION
- (24.24) CLAY THICKNESS (m)
- CROSS SECTION

Date	Description	Rev.

Client:

BROFORT INVESTMENTS INC.

Consultant:

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

Address:

**6165 THUNDER ROAD
CARLSBAD SPRINGS, ONTARIO**

Drawing:

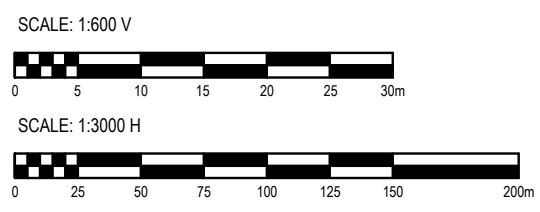
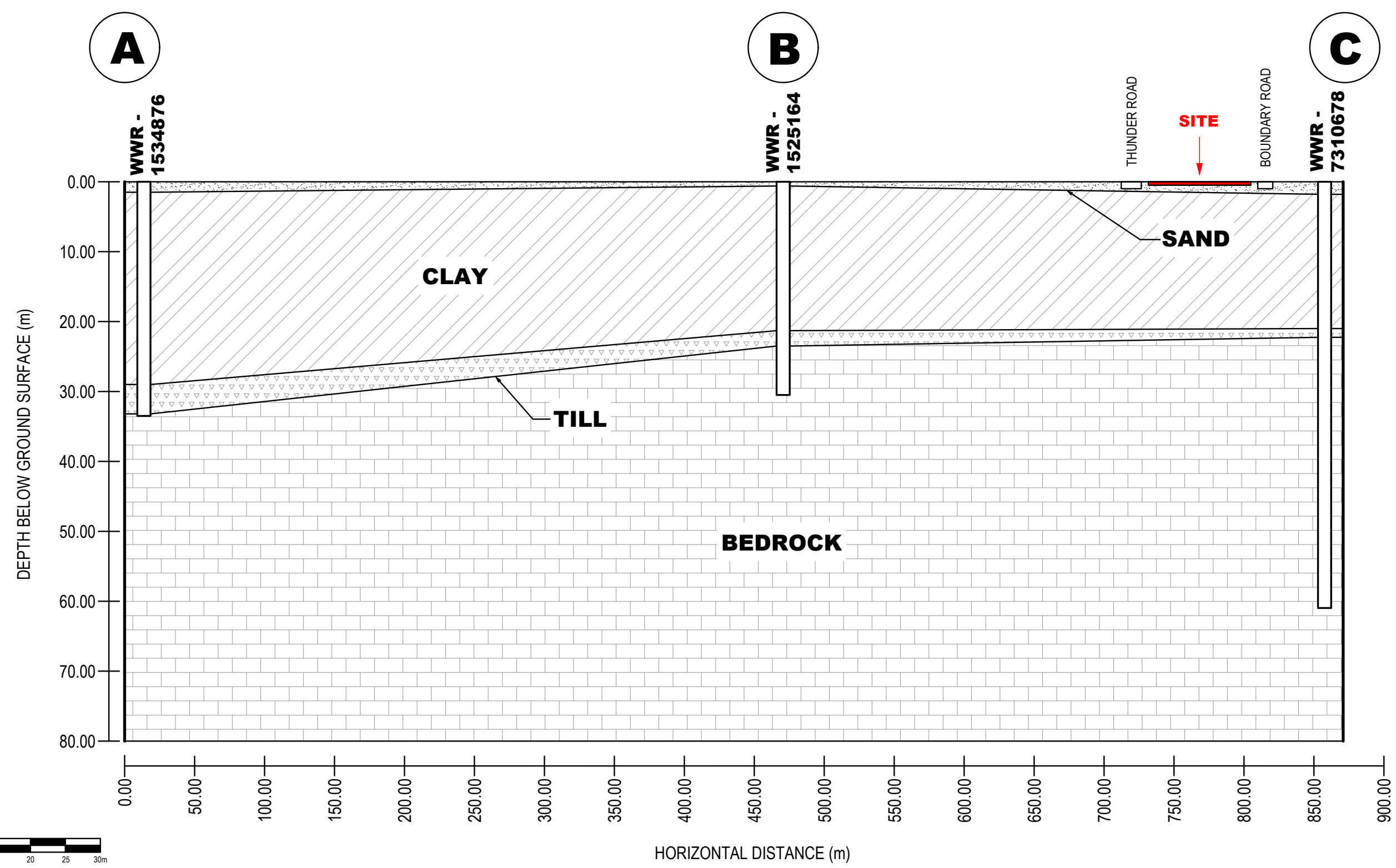
SITE PLAN

Scale:	Date:
1:7500	12/2022
Drawn by:	Checked by:
NK	AS
Report No.:	Approved by:
PG4650-LET.01	EA

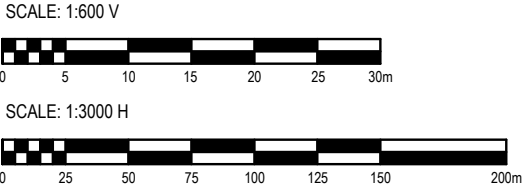
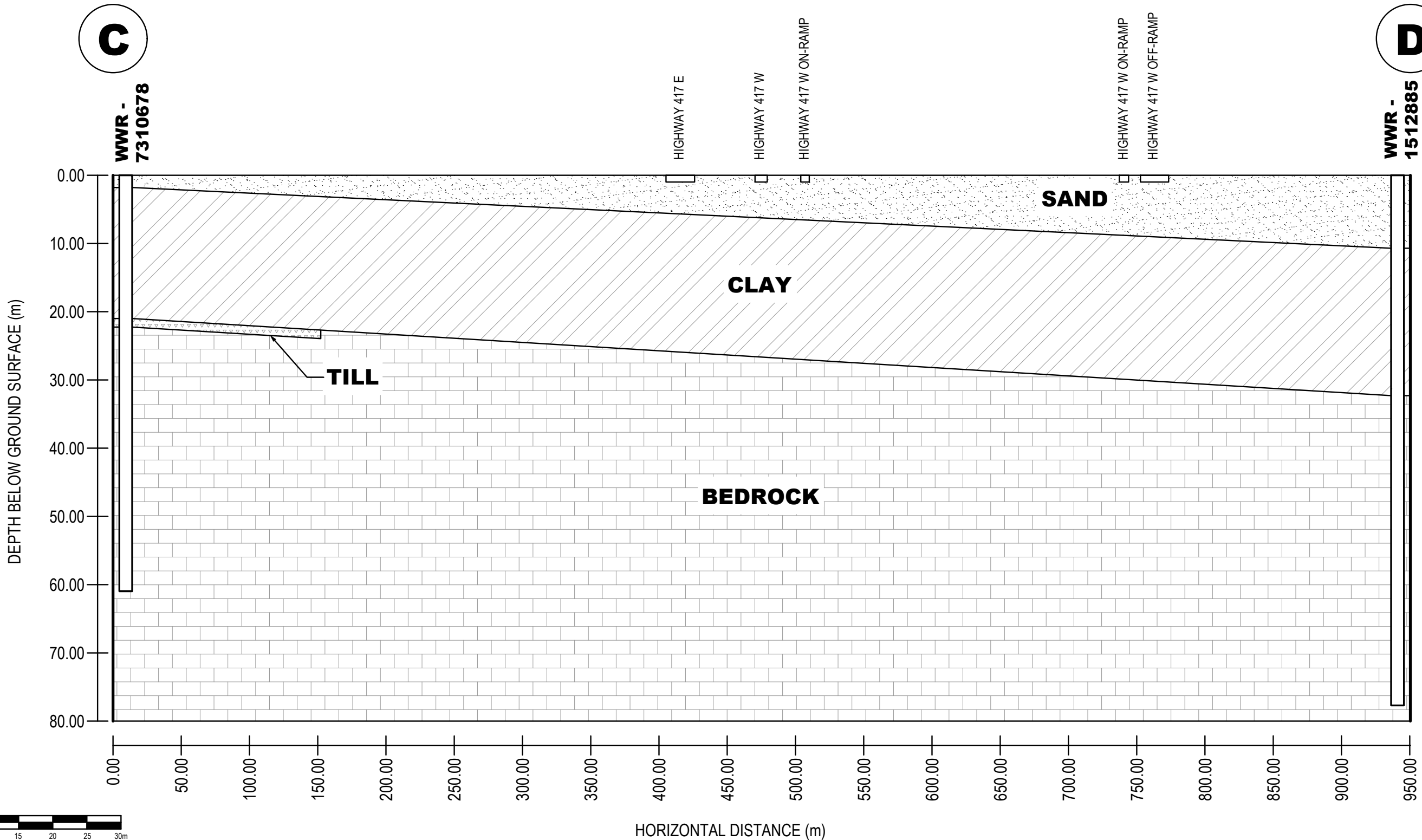
Drawing No.:

PH4650-1

p:\autocad drawings\hydrology\ph4650\ph4650 - brofort investments - 6165 thunder road - prelim nial\ph4650-1 site plan.dwg



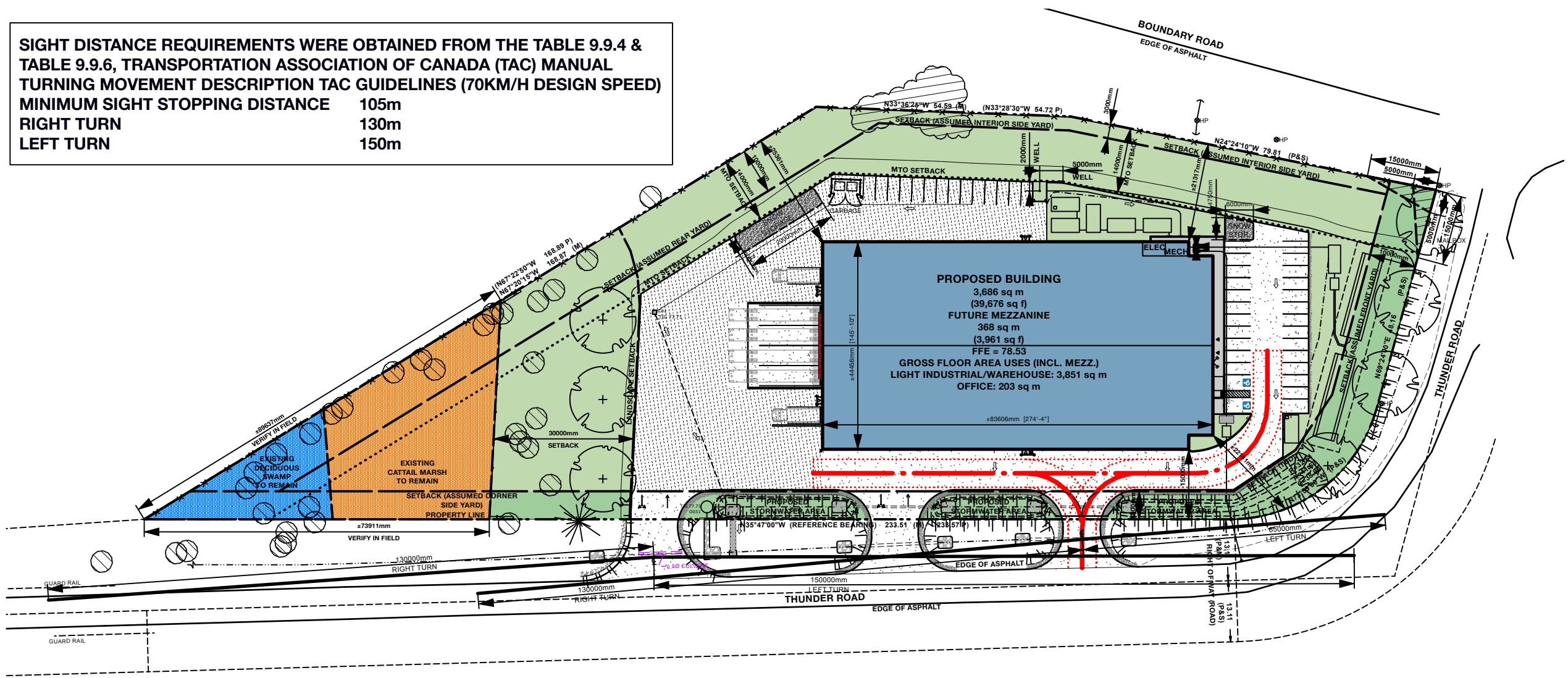
 PATERSON GROUP 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381					BROFORT INVESTMENTS INC. HYDROGEOLOGICAL ASSESSMENT 6165 THUNDER ROAD CARLSBAD SPRINGS, ONTARIO Title: CROSS SECTION A-B-C	Scale:	AS SHOWN	Date:	01/2023
						Drawn by:	NK	Report No.:	PH4650-1
						Checked by:	AS	Dwg. No.:	PH4650-2
						Approved by:	EA	Revision No.:	
	NO.	REVISIONS	DATE	INITIAL					



 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381				BROFORT INVESTMENTS INC. HYDROGEOLOGICAL ASSESSMENT 6165 THUNDER ROAD ONTARIO	Scale:	AS SHOWN	Date:	01/2023
					Drawn by:	NK	Report No.:	PH4650-1
				CARLSBAD SPRINGS, Title: CROSS SECTION C-D	Checked by:	AS	Dwg. No.:	PH4650-3
					Approved by:	EA	Revision No.:	
	NO.	REVISIONS	DATE	INITIAL				

SITE INFORMATION		
ADDRESS 6165 THUNDER ROAD		
LEGAL DESCRIPTION PART OF LOT 1 CONCESSION 9 (OTTAWA FRONT) PART 1 PLAN 5R-11663 PIN 04324-0163		
TOTAL SITE AREA*	16,480.59 sq m	
*based on GeoOttawa property report		
ZONING RC RURAL COMMERCIAL		
SETBACKS		
Front Yard		
Minimum Required:	10.00 m	
Proposed:	*22.18 m	
*Approximate minimum distance as shown on Site Plan (property line is curved)		
Interior Side Yard		
Minimum Required:	3.00 m	
Proposed:	*21.32 m	
*Approximate minimum distance as shown on Site Plan		
Corner Side Yard		
Minimum Required:	6.00 m	
Proposed:	15.00 m	
Rear Yard		
Minimum Required:	10.00 m	
Proposed:	*25.36 m	
*Approximate minimum distance as shown on Site Plan		
Proposed Building meets all setback requirements.		
BUILDING HEIGHT		
Maximum Height	11.00 m	
Proposed Height	11.00 m	
GROSS FLOOR AREA		
Building	Proposed	3,686 sq m
Future Mezzanine	Proposed	368 sq m
TOTAL		4,054 sq m
Gross Floor Area Uses (including future mezzanine)		
Light Industrial/Warehouse		3,851 sq m
Office		203 sq m
LOT COVERAGE		
Proposed		22.4%
Maximum Allowed		25.0%
LANDSCAPED AREA		
Landscaping of yards: Required front and corner side yards to be landscaped, except for driveways crossing the front or corner side yard leading to a parking area.		
PARKING/LOADING CALCULATIONS		
PARKING REQUIRED	Rate	Required Spaces
Building 95% Light Industrial/Warehouse	0.8	28
Building 05% Office	2.4	4
Accessible Parking (20-99 spaces in parking lot)		1
PARKING PROVIDED		
Spaces		38
Accessible Spaces		2
Total		40
LOADING		
Required Spaces (GFA = 2,000-4,999 sq m)		1
Provided Spaces (oversized spaces not required)		6
PARKING LANDSCAPED AREA		
15% of area of parking lot must be provided as perimeter or interior landscaped areas		
Parking Area 'A'		730 sq m
Required Landscape Area	15.0%	
Proposed Landscape Area	15.1%	110 sq m
Parking Area 'B'		457 sq m
Required Landscape Area	15.0%	
Proposed Landscape Area	15.1%	69 sq m

SIGHT DISTANCE REQUIREMENTS WERE OBTAINED FROM THE TABLE 9.9.4 & TABLE 9.9.6, TRANSPORTATION ASSOCIATION OF CANADA (TAC) MANUAL
TURNING MOVEMENT DESCRIPTION TAC GUIDELINES (70KM/H DESIGN SPEED)
MINIMUM SIGHT STOPPING DISTANCE 105m
RIGHT TURN 130m
LEFT TURN 150m



2 SITE PLAN - TURN LINES REFERENCE

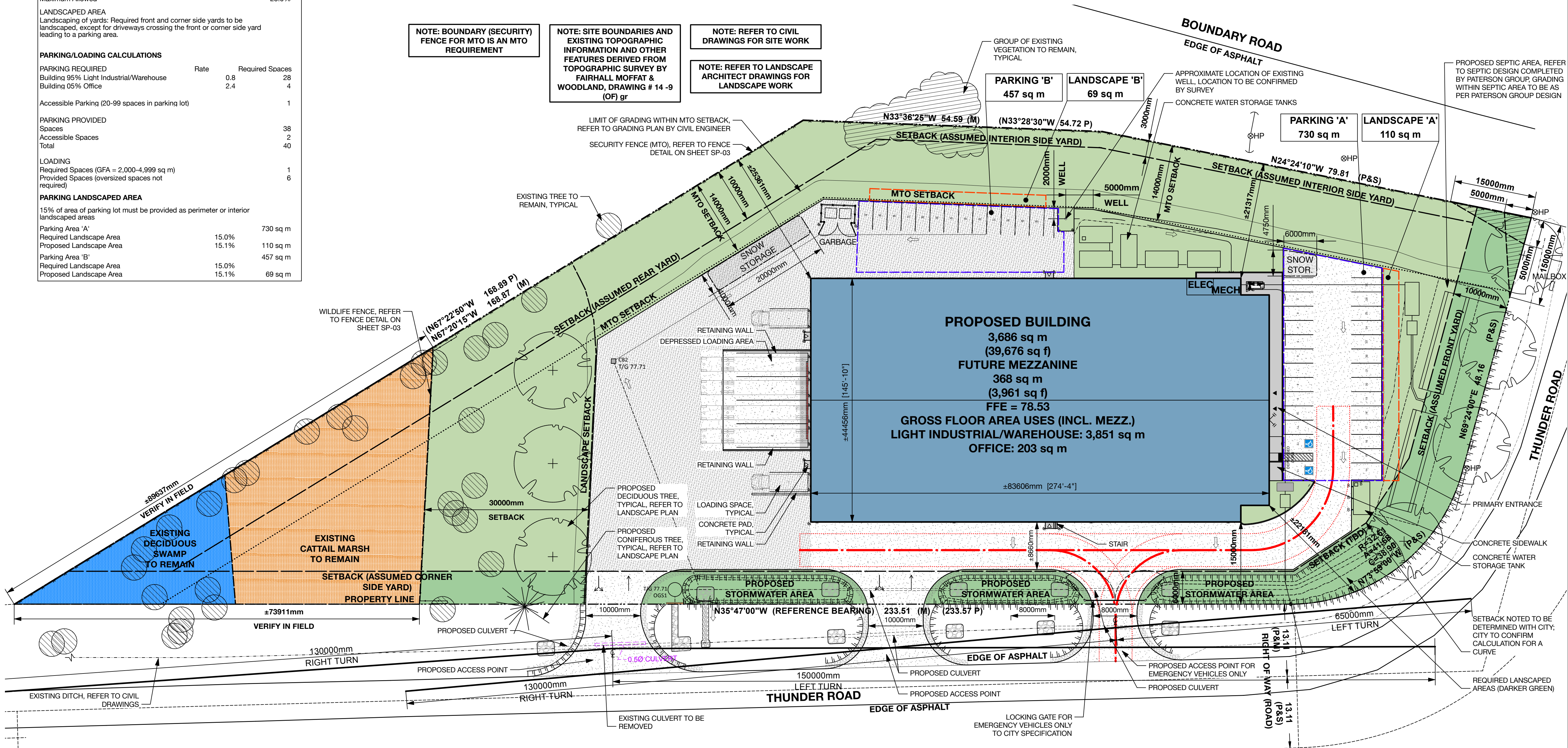
SP-01 Scale: 1:1000

NOTE: BOUNDARY (SECURITY) FENCE FOR MTO IS AN MTO REQUIREMENT

NOTE: SITE BOUNDARIES AND EXISTING TOPOGRAPHIC INFORMATION AND OTHER FEATURES DERIVED FROM TOPOGRAPHIC SURVEY BY FAIRHALL MOFFAT & WOODLAND, DRAWING # 14 -9 (OF) gr

NOTE: REFER TO CIVIL DRAWINGS FOR SITE WORK

NOTE: REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR LANDSCAPE WORK



1 SITE PLAN

SP-01 Scale: 1:400

DEVELOPER/OWNER INFORMATION

BROFORT DEVELOPMENTS INC.
2161 THURSTON DRIVE
OTTAWA, ONTARIO K1G 6C9

LEGEND

- PROPERTY LINE
- SETBACK LINE
- MTO SETBACK
- LANDSCAPE SETBACK (WETLAND)
- SECURITY FENCE
- WILDLIFE FENCE
- FIRE ROUTE
- TO BE REMOVED OR DEMOLISHED AS NOTED
- HP HYDRO POLE
- SIAMASE CONNECTION
- MAIN/PRIMARY ENTRANCE
- SECONDARY ENTRANCE/EXIT
- EXISTING CATTAIL MARSH
- EXISTING DECIDUOUS SWAMP
- LANDSCAPED AREA
- REQUIRED LANDSCAPED SETBACK
- CONCRETE
- ASPHALT
- GRANULAR/GRAVEL

SEAL



CONSULTANTS

KEY PLAN

ISSUE / REVISION	DATE
01 REVIEW & COORDINATION	FEB 23, 2023
02 REVIEW & COORDINATION	MAR 01, 2023
03 REVIEW & COORDINATION	JUN 28, 2023
04 REVIEW & COORDINATION	SEP 28, 2023
05 REVIEW	JAN 17, 2024
06 REVIEW & COORDINATION	APR 8, 2024
07 REVIEW & COORDINATION	MAY 7, 2024
08 SITE PLAN CONTROL	MAY 17, 2024
09 REVIEW & COORDINATION	SEP 04, 2024
10 REV. SITE PLAN CONTROL	OCT 18, 2024
11 REV. SITE PLAN CONTROL	OCT 29, 2024
12 REV. SITE PLAN CONTROL	MAR 03, 2025
13 REV. SITE PLAN CONTROL	JUN 17, 2025
14 REV. SITE PLAN CONTROL	SEP 11, 2025

PROJECT NAME

THUNDER ROAD DEVELOPMENT
6165 THUNDER ROAD
OTTAWA, ON

SHEET TITLE

PROPOSED SITE PLAN

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PROJECT NO: 22003

DRAWN BY: GS

CHECKED BY: GS

SHEET

SP-01