Project No. 243-8633

March 6, 2025

Brad Bamford Holdings Inc.,
211 Nugget Avenue,
Scarborough, Ontario,
M1S 3B1

Attention: Ms Jocelyn Bamford

Copy to:

RFA Planning Consultant Inc.,
211 Dundas Street, Suite 202
Belleville, Ontario
K8N 1E2

Via email: shawn@rfaplanningconsultant.ca, jocelyn@automaticcoating.com

Sewage Servicing Study to support the creation of a planned Event venue and Retreat at development at 3131 Victoria Road, Ameliasburgh Ward, Prince Edward County, Ontario

Dear Ms. Bamford,

You have commissioned Greer Galloway Engineering Inc to prepare a site servicing assessment for a planned Event venue and Retreat using existing structures on your property at 3131 Victoria Road in Prince Edward County.

Scope of Work:
The site is provided with municipal water; therefore this study therefore focuses on wastewater disposal, including a site visit with test pit construction to obtain soil information and samples to confirm that the site is suitable for the construction of an onsite septic system. A servicing report including a conceptual-level system design will be developed along with analysis for nitrate impact in accordance with MECP Guideline D-5-4.

Proposed Change of Occupancy:

Existing Occupancy:
Presently the property is occupied by a detached single family 4-bedroom residence, with farm related buildings (not presently used for livestock), consisting of 1 barn, 3 rustic sheds made of wood, steel or stone, detached 2-storey garage, and 1 farm equipment drive shed, with a total property Ontario Building Code wastewater design flow of 2,750 litres per day as described in the attached County of Prince Edward Sewage System Permit Application (Please refer to Appendix A: Sewage System Permit Application).

Proposed Occupancy:
In addition to the existing dwelling with an OBC design flow of 2750 L/d, the owners are proposing the development of an Event venue and Retreat, consisting of renovation of the existing barn to provide for up to 162 guests. The client has indicated that food service (kitchen facilities) will not be provided. No overnight accommodation is to be provided. The main assembly area (upper floor of the barn) has a floor area (excluding stairwell) of 196m^2 based on the Andrew Smith Building Design plan, Lower Floor Plan 9/06/2024 (Appendix B: Event Venue Design Plan). Ontario Building Code occupancy load specifies 0.95m^2 of floor space per person for an assembly area with non-fixed seating and tables. Based on this the occupancy would be 196m^2 / 0.95m^2/person or 206 persons, equivalent to an OBC Design Flow of 1,648L/d.

The 2-storey garage is not provided with water, a second-floor lounge area is proposed with an area of 103 m^2. Based on an equivalent occupancy calculation as preformed for the barn, using an OBC load of 0.95m^2 floor space per person for an assembly area with non-fixed seating and tables the occupancy would be 103 m^2/ 0.95 m^2/ per person or 109 people multiplied by 8 litres per person or 872 L/ day.

Total daily proposed property design flow would therefore be 5,270 L/day as summarized on Table 1: Ontario Building Code Table.

Property Description:
The property is described as Lot 105, Concession 2 Bayside, Block # 55012, Roll #135032804018000. The property consists of approximately 48 hectares, with dimensions of 1073 metres north-south by 762 metres east-west, fronting on Victoria Road, Prince Edward County, with civic address of 3131 Victoria Road. The property is zoned as Rural 3 with an Environmental Protection (EP) zone occupying the southern 12 hectares of the property (Please refer to Drawing 1: Zoning Map). To the east of the property are residential lots along Victoria Road with agricultural lands extending to the south; to the west the property is bounded by the Loyalist Parkway (Highway 33) and a Department of National Defence communications facility.

Topography and Drainage:
Topography of the property is moderately flat with surface overland drainage to the south. The elevation of the property ranges from 93 mASL to 90 mASL (Drawing 2: Site plan). The property is generally well drained, and slopes gently to the southeast and to the northwest from the topographic high of 93mASL in the barn and outbuildings area.

The main portion of the property is characterized as cultivated farmland presently seeded to forage, with a landscaped area surrounding the dwelling. maintained lawn, and large trees. The southern 12 hectares of the property is occupied by wetland consisting of long grasses, trees, a pond and a creek that flows to Wellers Bay (Lake Ontario).

Geology:
The Ontario Soil Report No.10 classifies soils in this area as primarily Ameliasburgh Clay Loam. These soils are characterized as typically having an overburden thickness of less than 1 metre. The surface layer is grey brown loam with frequent limestone fragments, underlain by grey brown clay loam. Lands where these soils are found range from level to sightly undulating in topography.

Carson (1981) has described the bedrock as “consisting of medium grey and bluish grey, finely to medium crystalline limestone in beds of 3 to 10 cm in thickness separated by thin shaly seams and partings” and belonging to the Lindsay Formation (Middle Ordovician) of the Simcoe Group.

Water and Wastewater Servicing in the Area:
The Victoria Road area is serviced by municipal water supply and private individual property onsite wastewater disposal.

Well Record Search:
A well record search was carried out to determine the location of any active wells which might be influenced by onsite subsurface wastewater disposal on the subject property.
The well records in the vicinity indicate the bedrock in the area consists of grey limestone 1 to 3 meters below ground level. Drillers’ well tests show water found within limestone at depths ranging from 3 to 18 metres from ground surface (Please refer to Table 2: Well Report Summary, Appendix C: Well Records and to Drawing 3: Well Locations Map).

Site Investigation:

On June 7, 2024 Danielle Davidson, Environmental Technologist, accompanied by John Porritt, P.Geo. Hydrogeologist, attended the site, met with a representative of the client and discussed the proposed development with the proponent. Six test pits were constructed using a backhoe provided by the client to investigate native soil conditions (Please refer to Drawing 2: Site Plan for locations) and to determine the suitability of the property for on-site subsurface wastewater disposal using Ontario Building Code Part 8 Class 4 construction. Test Pits 1, 2, 3, and 4 were constructed in the north/centre section of the property; Test Pits 5 and 6 were constructed in the north/east section of the property. These pits were located in the agricultural field located on the east side of the property south of the barn.

Limestone bedrock was encountered in all test pits at between 32 to 62 cm below ground level. The two test pits in the vicinity of the barn encountered approximately 30cm of organics (presumably relict manure from previous livestock husbandry) directly overlying bedrock. For the four test pits constructed in more favourable locations for a potential distribution bed to the south of the barn, the typical profile encountered consisted of brown organic stony topsoil grading to a dry shaly clay before encountering bedrock (Please refer to Appendix D: Test Pit Reports).

Site Suitability for Development:

Water Supply: Municipal water is available from a main located along Victoria Road on the north side of the property. Design of this access is not within the scope of this report.

Wastewater Disposal: The property is underlain by shallow residual alkaline soils typical for the area. Drainage of surface water on the property is through percolation into the shallow soil and thence to the south following topography. Onsite wastewater for this property will require construction of a raised fill-based distribution bed with imported mantle. The mantle size will be critical for effective infiltration of treated wastewater into the soil D-horizon and bedrock.

Based on the proposed additional occupancy described in Table 1, a minimum imported mantle area of 412 m^2 will be required to satisfy the loading requirements of OBC Table 8.7.4.1.A. A fill-based raised distribution bed will be required, with a minimum distribution pipe length of 100 metres, and should be constructed in lobes or sectors to allow effective dosing of effluent from retention tanks, to minimize mounding of effluent within the distribution bed, and with duplexed dosing pumps for backup in the event of pump failure.

Attenuation of the treated effluent will be towards the south until integration with the groundwater table.

The area recommended as suitable for wastewater distribution bed location is shown in the attached site plan (Drawing 2: Site Plan). A typical layout with recommended mantle area is shown within this area for visualization.

Conclusions:

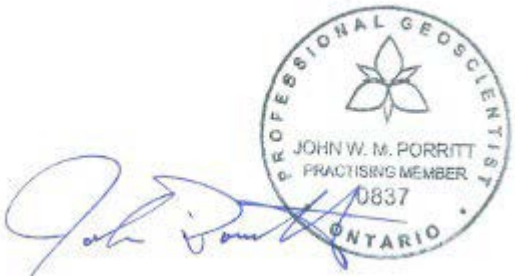
1. The property can accommodate additional on-site Ontario Building Code Class 4 wastewater disposal to service the proposed increase in occupancy for an Event venue and Retreat, while meeting required setbacks from property boundaries, wells and watercourses.
2. Shallow soils in the area will necessitate the construction of a raised distribution bed with imported mantle of minimum area 412m^2.
3. As the additional occupancy is not residential, a wastewater retention capacity of at least three times daily design flow will be required.
4. Dosed distribution of effluent must be incorporated into the wastewater disposal design.

Recommendations:

1. Wastewater disposal for the proposed increase in occupancy should be designed by a licenced hydrogeologist or engineer experienced in wastewater disposal design.
2. Municipal water use on the property should be monitored on a daily basis for the first three years of the proposed occupancy, to confirm that wastewater disposal is within the 10,000 litre per day Ontario Building Code permitting requirement.

Yours truly,

Greer Galloway, a division of Jp2g Consultants Inc.



John Porritt, P.Geo.,
Hydrogeologist
APGO Reg.#90266 February 2025

Attachments:

Figures:
Drawing 1: Zoning Map
Drawing 2: Site Plan
Drawing 3: Well Locations Map

Tables:
Table 1: Ontario Building Code Table
Table 2: Well Report Summary

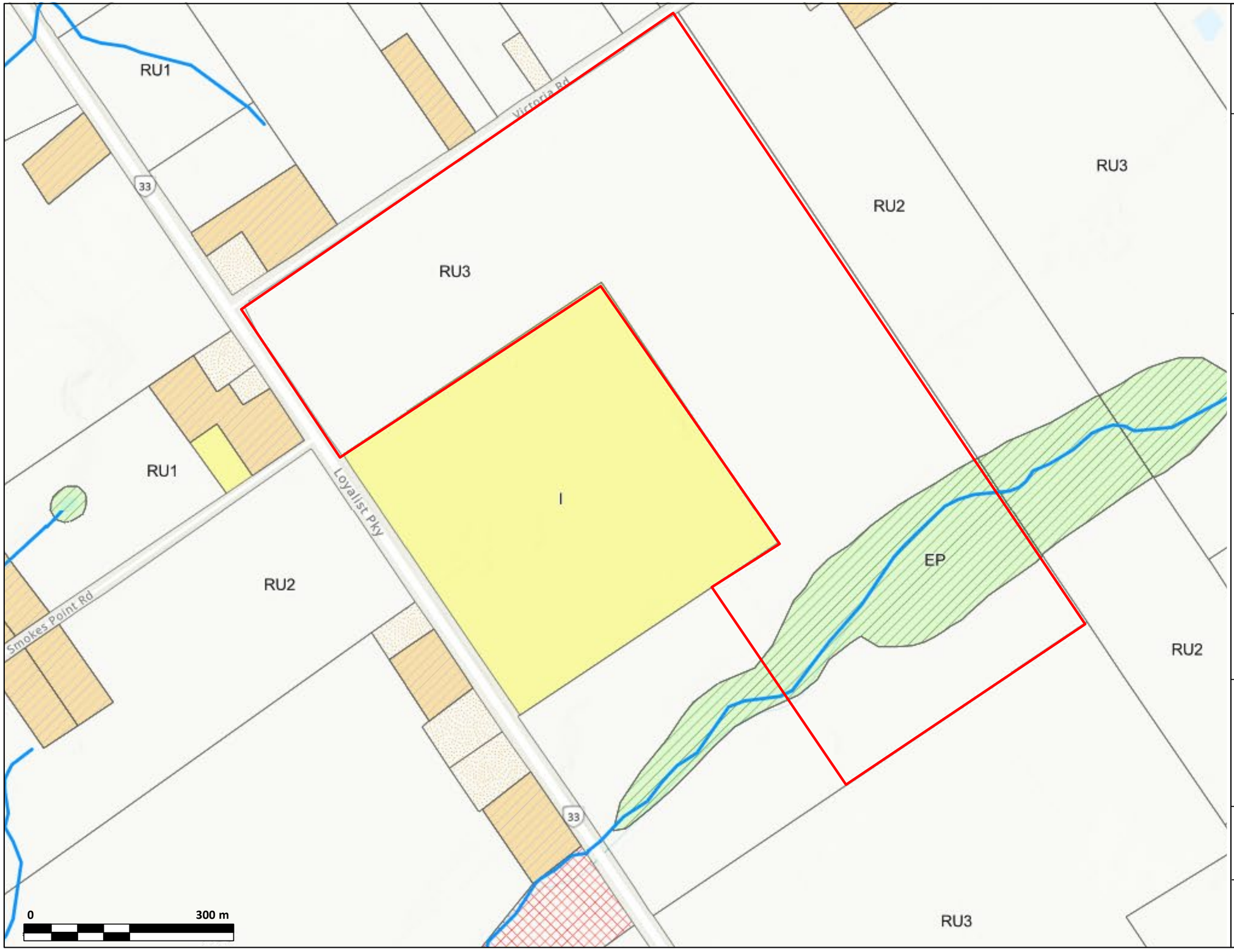
Appendix:
A: Sewage System Permit Application
B: Event Venue Design Plan
C: Well Records
D: Test Pit Reports

Table 1: Ontario Building Code Table

Existing					
OBC Table	Item	Column 1 Residential Occupancy	Column 2 Volume, litres	Project	Project Design Flow
Table 8.2.1.3.A. (Residential Occupancy)	4	Dwellings			
		d) 4-bedroom dwelling	2,000	1	2,000
		f) Additional flow for			
		iii) each fixture unit over 20 fixture units	50	15	750
Proposed					
OBC Table	Item	Column 1 Establishments	Column 2 Volume, litres	Project Estimate	Project Design Flow
Table 8.2.1.3.B. Other Occupancies	2	Assembly Hall (upper floor of the barn) - per seat			
		a) No food service,	8	206	1,648
	2	Assembly Hall (second-floor lounge) - per seat			
		a) No food service,	8	109	872
			Total Proposed Design Sewage Volume		5,270 L/day

Table 2: Well Report Summary

Well Number	Water Found (m)	Static Level (m)	Yield (L/min)	Overburden Depth (m)	Hole Depth (m)	Water Type	Aquifer
5300397	15.24	1.6	22.7	1.8	22	Mineral	Bedrock
A228288	2.5, 6, 10	2.2	263	1.2	11	Fresh, Sulfur	Bedrock
A025064	19.75	10.25	100	1.7	20.2	Fresh	Bedrock
5306613	4.3	0.6	22.7	2.4	6.4	Fresh	Bedrock
5306590	4, 5.5	3	32	1.2	7.6	Fresh	Bedrock
5305965	2.74	2.4	Dry	0.9	32	Fresh	Bedrock
5305874	3.3	0.3	45.5	0.9	13.1	Fresh	Bedrock
5304709	12.1	1.5	45.5	0.9	13.7	Fresh	Bedrock
5304638	8.5, 23.5	3.0	18.1	0.6	27.7	Fresh, Minerals	Bedrock
5303060	18.2	2.7	18.1	3.0	21.3	Fresh	Bedrock



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from Prince Edward County GIS viewer

LEGEND:

Property Location

DRAWING 1:

Zoning Map

VICTORIA ROAD

PROPERTY LINE

LEGEND

DISTRIBUTION BED

SEPTIC TANK

TREE

TEST PITS

ONTARIO GEOLOGICAL SURVEY

CONTOURS OBTAINED BY GGG

INFERRED CONTOURS

ELEVATION (mASL) —91.0—

90

90.00
90.50
91.00
91.50
92.00
92.50
93.00

2-STOREY DWELLING 293m2

SHED

DRIVESHED

2-STOREY GARAGE 103m2

SECOND FLOOR 36m2 WOODEN PATIO

PROPOSED EVENT VENUE (FLOOR AREA 196m2)

BARN 242.5m2

BARN

TP1

TP2

TP3

TP4

TP5

TP6

25m

65m

POSSIBLE LOCATION OF SEPTIC SYSTEM DISTRIBUTION BED

91

DRAWING 2
SITE PLAN

SCALE 1:1250 -20m 0 20m 40m

LOYALIST PKWY

(METRIC SCALE – ALL DIMS IN METERS U.N.O.)

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PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:
1. ALL WORK SHALL BE IN ACCORDANCE WITH RELEVANT CODES AND GUIDELINES.
2. ALL DRAWINGS AND ADDENDA ARE TO BE READ AS, AND IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL EQUIPMENT SHALL BE INSTALLED AS SPECIFIED OR APPROVED EQUIVALENT.
4. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK AND BE RESPONSIBLE FOR SAME.
5. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO ENGINEER FOR RESOLUTION BEFORE COMMENCING THE WORK.
6. ANY CHANGES MUST BE APPROVED BY THE ENGINEER.

A / B — A DETAIL NO. / B DRAWING NO. – WHERE DETAILED

TOPOGRAPHICAL SURVEY SOURCE:
GREER GALLOWAY GROUP
MAY 1, 2024

UTILITY LOCATE SOURCE:
N/A

GEOTECHNICAL SOURCE:
N/A

CONTROL POINTS/BENCHMARKS:
PNO 313 NW CORNER OF CONCRETE PAD IN FRONT OF BARN
ELV=92.063m
N=4879085.2910m
E=295746.5330m

CONTROL POINTS/BENCHMARKS:
PNO 314 PAINTED PEBBLE ON WELL BY HOUSE
ELV=92.054m
N=4879126.6670m
E=295707.7430m

REVISION	DESCRIPTION	DATE
02	ISSUED FOR CLIENT	25/02/12
01	ORIGINAL	24/04/30

NORTH

STAMP

PROJECT
3131 VICTORIA RD
CARRYING PLACE, ON

DRAWING TITLE
DRAWING 2
SITE PLAN

DESIGNED BY
–

DRAWN BY
B. CRUZ-FUENTES

REVIEWED BY
–

APPROVED BY
–

PROJECT DATE
2024/05/01
(YYYY/MM/DD)

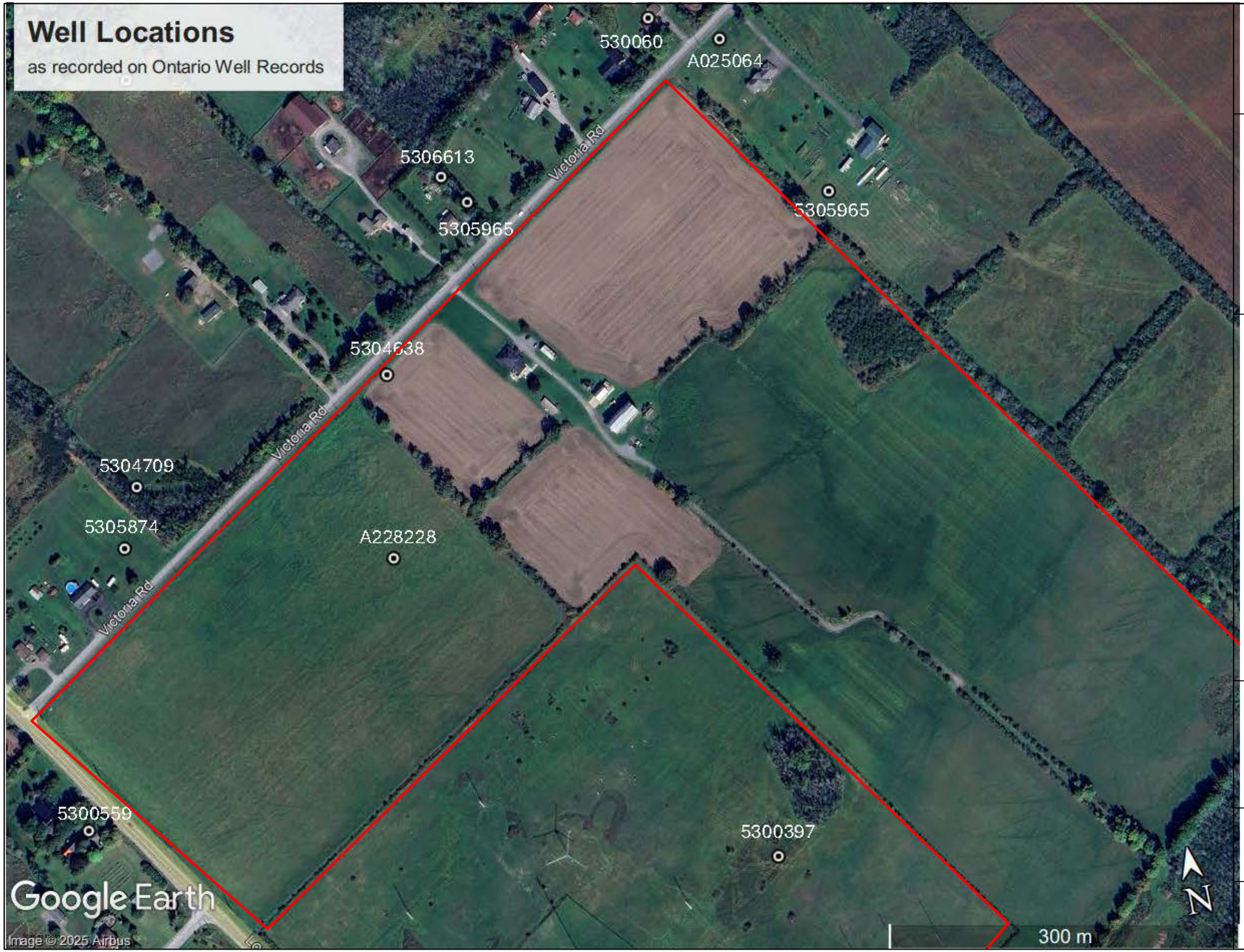
PROJECT #
24-3-8633

DRAWING #
SP2

DRAWING SCALE (ISO A1)
HOR: 1 : 1250
VER: N/A

Well Locations

as recorded on Ontario Well Records



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NOTES:

1) Base drawing and information: obtained from Google Earth
2) Well record information obtained from Ontario Wall Records

LEGEND:

Drinking Water Well

Property Location

DRAWING 3:

Well Locations Map

Appendix A
Sewage System Permit Application

County of Prince Edward
Planning & Building Services
Location: 280 Main Street, 2nd Floor
Mailing Address: 332 Main Street, Picton, Ontario K0K 2T0
Phone: (613) 476-2148; Fax (613) 471-2051

Sewage System Permit Application

PERMIT NUMBER: 2020-0060

Please Print and Complete All Sections. Application must include two (2) diagrams

1. Owner Information
Name: BRAD BANFORD
Mailing Address: 211 Nugent Ave
City: Toronto
Phone (h): _____ Phone (w): 416-335 7500

2. Agent Information
Name: VANSOEST LANDSCAPING LTD.
Mailing Address: 5174 Hwy 62 South
City: BELLEVILLE / ON.
Phone: 613-962-4021 Licence #: 16414

3. Propose to CONSTRUCT (construct/alter/enlarge) a Class "4" (2-5) sewage system to serve a S.F.D. (single family dwelling/motel/cottage/etc.)

4. Property Description
Lot: 105-106 Concession: 2 Ward Ameliasburgh
Sub Lot No.: _____ Plan No.: _____ Lot Size: (m²) _____
Roll Number: _____

5. Directions to Lot (including 911 address): 3131 Victoria Rd

6. Dwelling: [ ] New dwelling [✓] Existing Dwelling Addition to existing building: [ ] Yes [ ] No
No. of bedrooms: existing 4 proposed — Are new plumbing fixtures proposed: [ ] Yes [ ] No

7. Water Supply [ ] Proposed [ ] Existing (*Please include a copy of the well record*)
[ ] Dug or bored well [ ] Drilled Well [✓] Municipal [ ] Other: _____ Casing Depth (m): _____

8. Fixture Units	No.	Units	Total
Bathroom Group	4	x 6	24
Bathtub	—	x 1.5	—
Toilet	1	x 4	4
Clothes Washer	1	x 1.5	1.5
Dishwasher	—	x 1.5	—
Laundry Tubs	1	x 1.5	1.5
Shower Drain	—	x 1.5	—
Floor Drain	1	x 2	2
Sinks	1	x 1.5	1.5
Other: _____	*Total No. of Units*		34.5

9. Sub-surface Conditions Encountered

Rock & GWT	Depth (m)	Soil Type
	0	
	0.25	
	0.50	
	0.75	
	1.00	
	1.25	
	1.50	

GWT – Ground Water Table
Estimated Percolation Rate of Existing Soils: _____
Estimated Percolation Rate of Imported Soils: _____

10. Sewage System Design/Description:
[ ] Class 2 Grey-water Leaching Pit [ ] Class 3 Cesspool [✓] Class 4 Leaching Bed (Conventional)
[ ] Class 4 Leaching Bed (Filter Media Bed Systems) [ ] Class 4 (other) [ ] Class 5 Holding Tank

a) Class 2 Grey Water Leaching Pit:
Wall Structure [ ] Concrete Block [ ] Rock [ ] Other: _____
Soils [ ] Use Existing [ ] Import Soils (Describe): _____
Pit Dimensions Length: _____ Width: _____ Depth: _____

b) Class 3 Cesspool (Please Describe): _____

c) Class 4 Leaching Bed Sewage Systems – Septic Tank Information:
[✓] Existing tank OR [ ] New - approved tank [✓] Concrete tank OR [ ] Polyethylene tank
Daily Design Sewage Flow (DDSF): 2750 liters/day
Septic Tank Capacity: DDSF X 2: 5500 liters (min. 3,600 L)

Class 4 Leaching Bed (Conventional Trench Bed):
[ ] In-ground trench bed system [✓] Partially raised bed [ ] Fully raised bed **Mantle is:** [ ] Existing Soils OR [✓] Imported Soils
[✓] Header Pipe [ ] Distribution box
Length of Tile Bed: 136' Width of Tile Bed: 57' Total area of Tile Bed: 7750 ft² No. of Runs of Tile: 6
Length of Tile Runs: 40' Total Length of Tile: 240' Diameter of Tile: 3" _____ Diameter of Tile: 4" _____
Treatment Unit: [ ] Yes [✓] No Pump Required: [ ] Yes [✓] No
Class 4 (Other): Please Describe: INFILTRATORS BEING USED

d) Class 5 Holding Tank: Manufacturer: _____ Daily Flow: _____
7 Day Holding Capacity: _____ Tank Size: _____

11. I certify that the above information is complete and correct and I agree to comply with the provisions of the building and zoning by-laws of the County of Prince Edward. I also understand that it is my responsibility to arrange for the necessary inspections as required by the Inspector at the time of permit issuance.

Owner's Signature _____ Date Feb 14/20

AND

Agent/Installer's Signature _____ Date _____

7

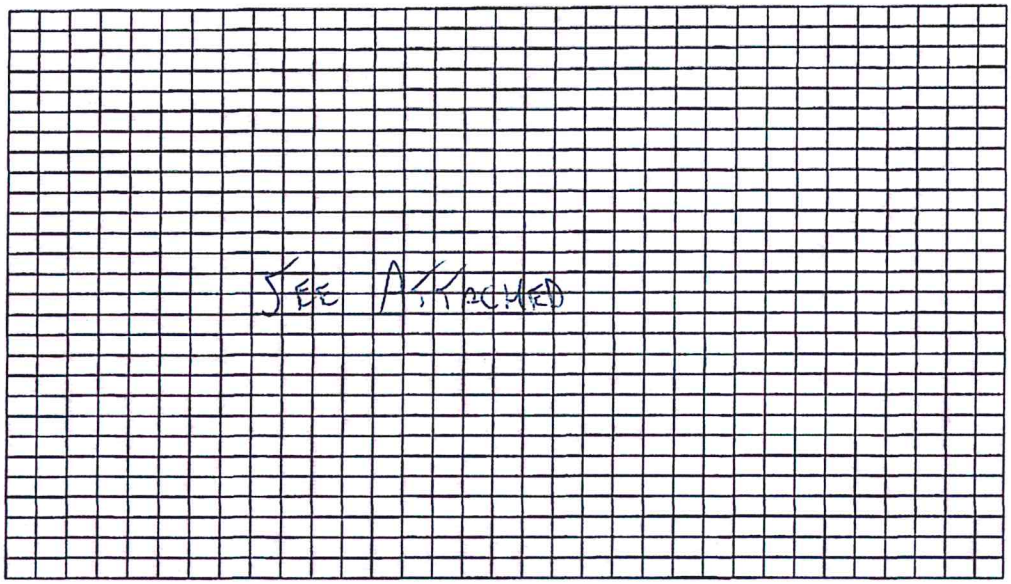
BRAD CH2

County of Prince Edward
Planning & Building Services
Location: 280 Main Street, 2nd Floor
Mailing Address: 332 Main Street, Picton, Ontario K0K 2T0
Phone: (613) 476-2148; Fax (613) 471-2051

Sewage System Permit Application

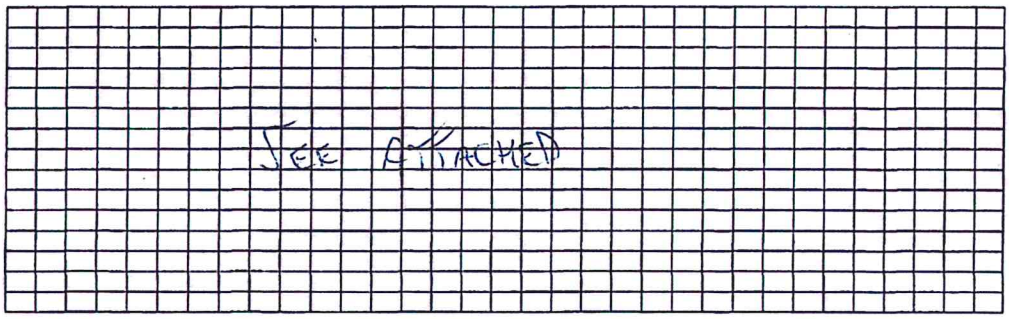
Plan View Lot Diagram: Must be to scale and show the following information accurately:

- An overhead view of the property showing lot size and dimensions as well as locations of property boundaries, existing or proposed buildings, wells, driveways, roadways, existing sanitary sewage systems.
- Other topographical information such as the location of nearby streams, rivers, lakes, wetlands, and steep embankments.
- Location of the proposed sanitary sewage system components on the property, clearance distance between any existing or proposed structures, wells, streets, streams, rivers, lakes, etc., and the proposed sewage system must be shown as well.



Sewage System Cross Section: Showing the following information

- The design of the sanitary sewage system including the dimensions and elevations in relation to existing grade.
- The depth to bedrock and/or water table.
- Absorption trench dimensions and description of trench backfill materials to be used.
- Mantle soil/fill properties.



12. Conditions of Approval

_____

_____

_____

13. Permit Approval:

Pursuant to Part 8 of the Ontario Building Code, authorization is hereby granted for the construction, installation, alteration, or enlargement of a Class _____ sewage system located at the property described herein. The proposed work must be completed in accordance with the specifications, drawings and conditions of approval described herein, and be in compliance with the provisions of the Building Code.

Approved by Inspector: _____ Date: _____

COUNTY OF PRINCE EDWARD - PLANNING & BUILDING SERVICES
LOCATION: 280 MAIN STREET, 2ND FLOOR
MAILING ADDRESS: 332 MAIN STREET, PICTON, ONTARIO K0K 2T0
PHONE: 613-476-2148; FAX: 613-471-2051

Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

A. Project Information

Building number, street name		Unit no.	Lot/con.
Municipality	**Postal code**	**Plan number/ other description**	

B. Individual who reviews and takes responsibility for design activities

Name		Firm	
PAT McMURTER		VANSOELEN LANDSCAPING LTD.	
Street address		**Unit no.**	**Lot/con.**
1144 HWY 62 SOUTH			
Municipality	**Postal code**	**Province**	**E-mail**
BELLEVILLE	K8N 0L3	ONT.	
Telephone number	**Fax number**	**Cell number**	
(613) 962-4021	( )	(613) 849-3636	

C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. Div. C]

☐ House	☐ HVAC – House	☐ Building Structural
☐ Small Buildings	☐ Building Services	☐ Plumbing – House
☐ Large Buildings	☐ Detection, Lighting and Power	☐ Plumbing – All Buildings
☐ Complex Buildings	☐ Fire Protection	☑ On-site Sewage Systems

Description of designer's work

CLASS "4" SEPTIC SYSTEM

Declaration of Designer

I PAT McMURTER declare that (choose one as appropriate):
(print name)

☑ I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.
Individual BCIN: 12165
Firm BCIN: 16914

☐ I review and take responsibility for the design work and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C of the Building Code.
Individual BCIN: _____
Basis for exemption from registration: _____

☐ The design work is exempt from the registration and qualification requirements of the Building Code.
Basis for exemption from registration and qualification: _____

I certify that:
1. The information contained in this schedule is true to the best of my knowledge.
2. I have submitted this application with the knowledge and consent of the firm.

FEB 12/2020 _____
Date Signature of Designer

NOTE:

1. For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) d) of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
2. Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of authorization, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

COUNTY OF PRINCE EDWARD - PLANNING & BUILDING SERVICES
LOCATION: 280 MAIN STREET, 2ND FLOOR
MAILING ADDRESS: 332 MAIN STREET, PICTON, ONTARIO K0K 2T0
PHONE: 613-476-2148; FAX: 613-471-2051

Schedule 2: Sewage System Installer Information

A. Project Information

Building number, street name			Unit number	Lot/con.
Municipality	Postal code	Plan number/ other description		

B. Sewage system installer

Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1. Division C?

☑ Yes (Continue to Section C) ☐ No (Continue to Section E) ☐ Installer unknown at time of application (Continue to Section E)

C. Registered installer information (where answer to B is "Yes")

Name	VANSOELEN LANDSCAPING LTD.		BCIN	1644
Street address	3194 Hwy 62 South		Unit number	Lot/con.
Municipality	BELLEVILLE	Postal code K8N 0C5 / Province ONT	E-mail	
Telephone number	(613) 962-4001	Fax ( )	Cell number	(613) 849-3636

D. Qualified supervisor information (where answer to section B is "Yes")

Name of qualified supervisor(s)	Building Code Identification Number (BCIN)
PAT MCMURTER	12161

E. Declaration of Applicant:

I PAT MCMURTER (print name) declare that:

☐ I am the applicant for the permit to construct the sewage system. If the installer is unknown at time of application, I shall submit a new Schedule 2 prior to construction when the installer is known;

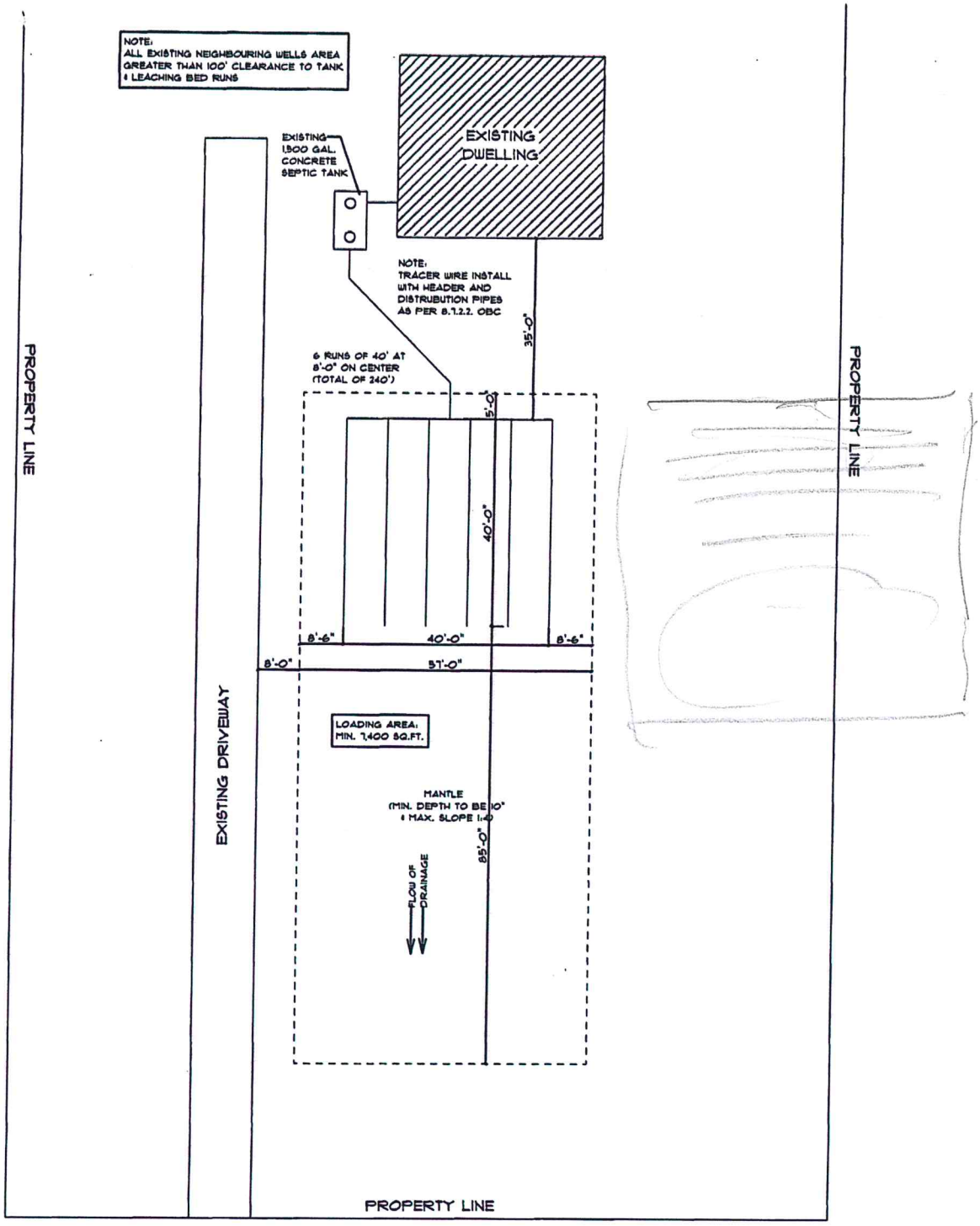
OR

☐ I am the holder of the permit to construct the sewage system, and am submitting a new Schedule 2 now that the installer is known.

I certify that:

1. The information contained in this schedule is true to the best of my knowledge.
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.

FEB 12/2020 (Date) — Signature of applicant



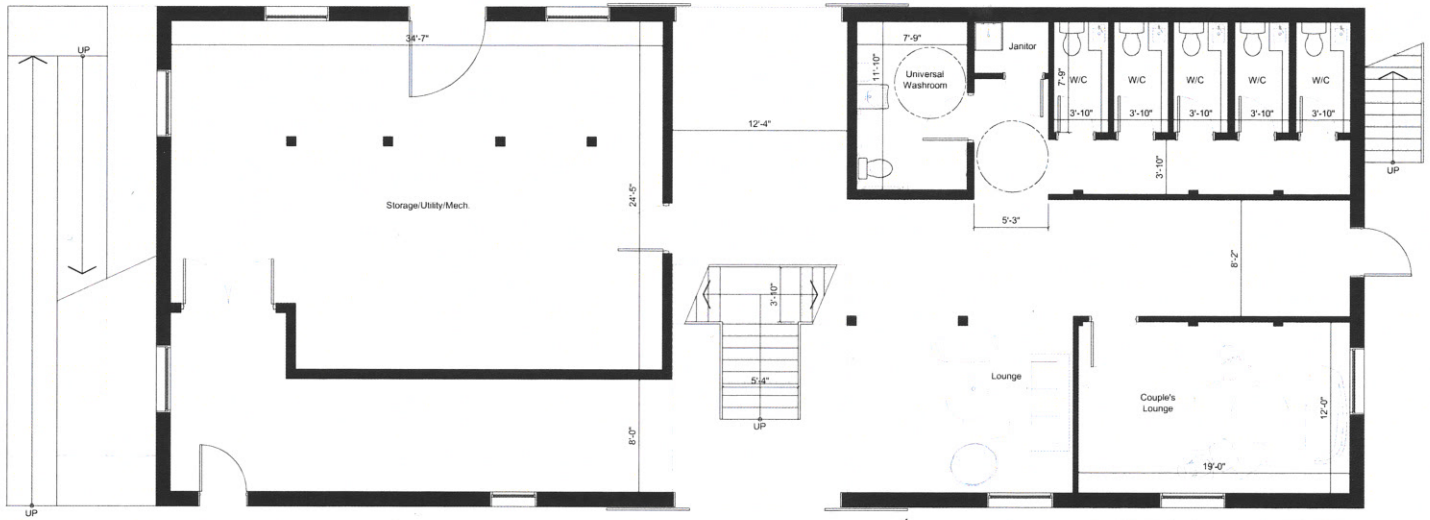
VICTORIA ROAD

Appendix B
Event Venue Design Plan

Bamford Farm

Wedding Event Space

Victoria Road, PEC



A Lower Floor Plan
1/4" = 1'-0"

NO.	DATE	ISSUED	BY
1	9.06.2024	Issued for Review	AKS

DRAWING

Lower Floor Plan

andrewsmith buildingdesign inc

T 289.252.2332 www.aksmithdesign.com
200A Division Street, Cobourg, ON K9A 3p7

DESIGNED	AKS
DRAWN	AKS
REVIEWED	AKS
DATE	9.06.2024

SHEET **A1**

Appendix C
Well Records

UTM 18 Z 29579 E
9 R 4878452 N
Elev. 9 R 02918 31C4A
Basin 24

ONTARIO

The Well Drillers Act
Department of Mines, Province of Ontario

53 No. 397

RECEIVED
FEB - 1 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

Water Well Record

[redacted] Township, ~~Village, Town or City~~ PRINCE EDWARD Township, ~~Village, Town or City~~ AMELIASBURGH
[redacted] Town or City)
[redacted] OTTAWA
Date Completed Sept 8/50 (day) (month) (year) Cost of Well (excluding pump)

Pipe and Casing Record

Casing diameter(s) 6"
Length(s) of casing(s) 10'
Type of screen none
Length of screen —
Distance from top of screen to ground level —
Is well a gravel-wall type? —

Pumping Test Baling Test

Date Sept 7/50
Static level 5'-2"
Pumping level 50'
Pumping rate 4 IGPM
Duration of test 5 hrs
Distance from cylinder or bowls to ground level 60'

Water Record

Kind (fresh or mineral) Mineral
Quality (hard, soft, contains iron, sulphur, etc.) Hard
Appearance (clear, cloudy, coloured) Clear
For what purpose(s) is the water to be used? Domestic and boiler feed at station
How far is well from possible source of contamination? Casing cemented
What is the source of contamination? to prevent contamination
Enclose a copy of any mineral analysis that has been made of water

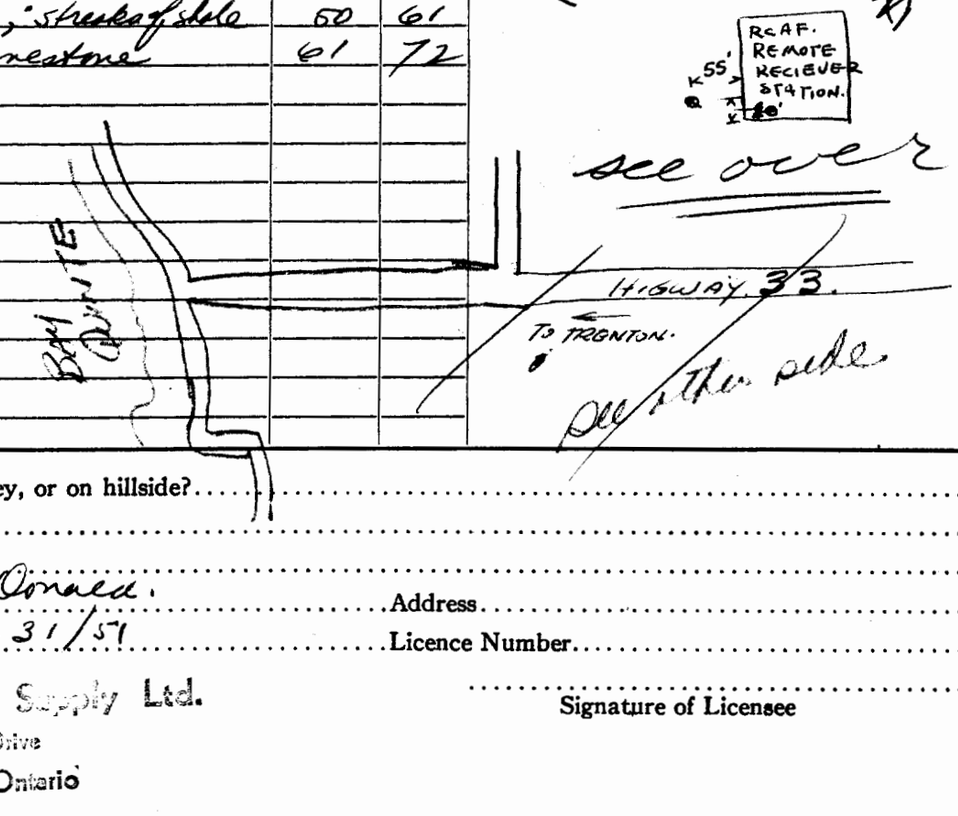
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
50' to 55'		

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	....ft.
Seams of clay and shale.	0	2
Shale.	2	6
Dark grey limestone.	6	50
Grey limestone, streaks of shale	50	61
Grey limestone	61	72

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley, or on hillside?
Drilling Firm
Address
Name of Driller G. McDonald. Address
Date Jan 31/51 Licence Number

FORM 5

International Water Supply Ltd.
53 Riverside Drive
Oakville, Ontario

Signature of Licensee

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

31 C/4a

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 5303060 | MUNICIP. 53001 | CON. CON | 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Prince Edward	Ameliasburgh	1	104

[redacted] Carrying Place, Ont | DATE COMPLETED DAY 18 MO. 11 YR. 74

UTM ZONE 18 | EASTING 879170 | RC 4 | ELEVATION 0312 | RC 4 | BASIN CODE 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	clay	gravel	packed	0	10
Grey	limestone		layered	10	70

31 | 0010605 1179 | 0070 21574

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0060	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
08"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0012
08"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		11½	0070
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP A/R 2 ☐ BAILER | PUMPING RATE: 4 0004 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
009 FEET	070 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	050 FEET	030 FEET	015 FEET	009 FEET

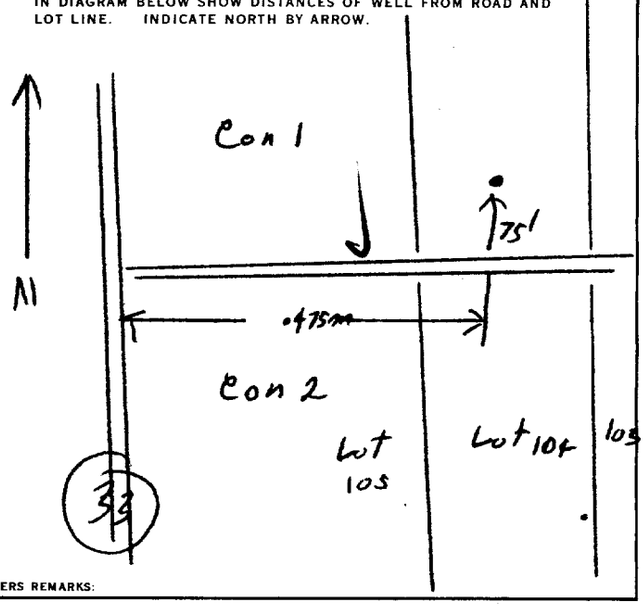
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 067 FEET | RECOMMENDED PUMPING RATE: 0004 GPM.

50-53 ___ GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 95

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 54: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 55-56: 01 — 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 57: 4 — 1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: McCLENNIN DRILLING LTD | LICENCE NUMBER: 3516

ADDRESS: WELLINGTON ONT.

NAME OF DRILLER OR BORER: Kenneth McClennan | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Kenneth McClennan | SUBMISSION DATE DAY ___ MO. ___ YR. ___

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 3516 | DATE RECEIVED 63-68: 250375 | 80

DATE OF INSPECTION | INSPECTOR

REMARKS: | P | WI

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

5304638

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	ELTASBURG	2	104
	FRANKFORD	DATE COMPLETED DAY 12 MO 05 YR 87	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	TOP SOIL			0	1
BROWN	CLAY &	STONE		1	2
GREY		SHALE	LIMESTONE	2	5
GREY			LIMESTONE	5	91

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
28	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
77	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☒ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	188 W	0	13
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		13	91
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	4 GPM	2 HOURS — MINS

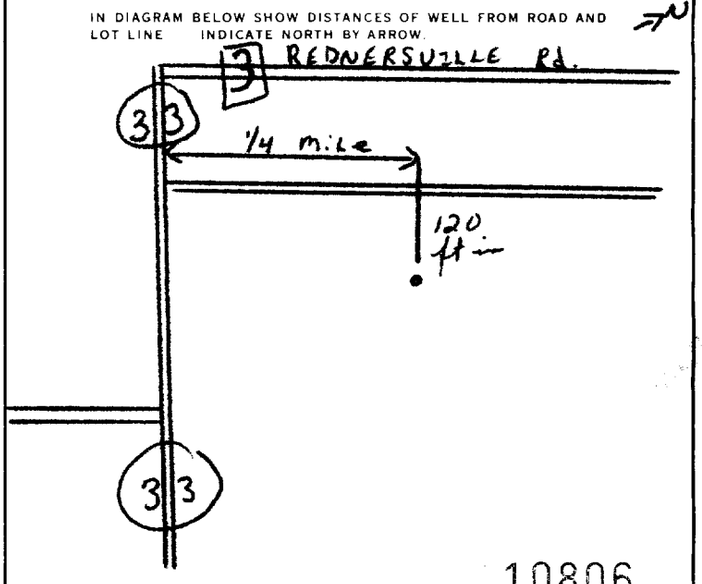
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
10 FEET	88 FEET	1 ☐ PUMPING 2 ☐ RECOVERY	FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	89 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	89 FEET	4 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

10806

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 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

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

1352

CONTRACTOR

NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
BILL'S WELL DRILLING	1352
ADDRESS	
RR1 FOXBORO ONT	
NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
WILLIAM DONALDSON	1352
SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
William Donaldson	DAY 12 MO 05 YR 87

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
		JUL 17 1987
DATE OF INSPECTION	INSPECTOR	
REMARKS		

CSS.ES

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Ministry of the Environment
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

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11 | 5304709

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
[redacted]	[redacted] ASBURG	1	106

[redacted] AKRYING PLACE

DATE COMPLETED: DAY 9 MO 2 YR 88

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
Brown	Top Soil			0	1
Grey	Clay			1	3
Gray			Limestone	3	10
Brown			Limestone	10	17
Gray			Limestone	17	20
Brown			Limestone	20	45

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
40	☒ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERALS ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
6	☒ STEEL	188 w	0	10
	☒ OPEN HOLE		10	45

SCREEN

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

61 PLUGGING & SEALING RECORD

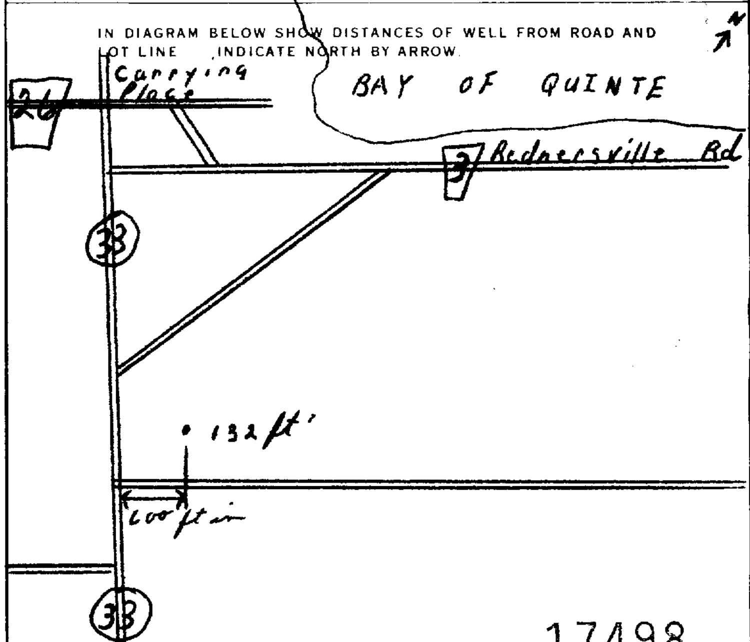
DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: ☐ PUMP ☒ BAILER
PUMPING RATE: 10 GPM
DURATION OF PUMPING: 1 HOURS 30 MINS
STATIC LEVEL: 5 FEET
WATER LEVEL END OF PUMPING: 10 FEET
WATER LEVELS DURING: ☐ PUMPING ☐ RECOVERY — 15 MINUTES / 30 MINUTES / 45 MINUTES / 60 MINUTES
IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: 40 FEET
WATER AT END OF TEST: ☒ CLEAR ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 40 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS
1352
17498

FINAL STATUS OF WELL

☒ WATER SUPPLY
☐ OBSERVATION WELL
☐ TEST HOLE
☐ RECHARGE WELL
☐ ABANDONED, INSUFFICIENT SUPPLY
☐ ABANDONED, POOR QUALITY
☐ UNFINISHED
☐ DEWATERING

WATER USE

☒ DOMESTIC
☐ STOCK
☐ IRRIGATION
☐ INDUSTRIAL
☐ OTHER
☐ COMMERCIAL
☐ MUNICIPAL
☐ PUBLIC SUPPLY
☐ COOLING OR AIR CONDITIONING
☐ NOT USED

METHOD OF CONSTRUCTION

☒ CABLE TOOL
☐ ROTARY (CONVENTIONAL)
☐ ROTARY (REVERSE)
☐ ROTARY (AIR)
☐ AIR PERCUSSION
☐ BORING
☐ DIAMOND
☐ JETTING
☐ DRIVING
☐ DIGGING
☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Bill's Well Drilling
WELL CONTRACTOR'S LICENCE NUMBER: 1352
ADDRESS: RR 1 Foxboro Ont
NAME OF WELL TECHNICIAN: William Donaldson
WELL TECHNICIAN'S LICENCE NUMBER: 1352
SIGNATURE OF TECHNICIAN/CONTRACTOR: William Donaldson
SUBMISSION DATE: DAY 9 MO 2 YR 88

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: FEB 29 1988
DATE OF INSPECTION | INSPECTOR
REMARKS
CSS.ES

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 | 5305874 | MUNICIP. 53001 | CON. GORE | G

COUNTY OR DISTRICT: PRINCE EDWARD
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: ADOLPHUSBURG
CON. BLOCK, TRACT, SURVEY, ETC.: GORE G
LOT: 25-27
[redacted] RR3 CARRYING PLACE
DATE COMPLETED: DAY 16 MO 11 YR 92
ELEVATION | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY			0	2
BROWN	CLAY	GRAVEL		2	3
GREY	LIMESTONE		FRACTURED.	3	11
GREY	LIMESTONE			11	43

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
11	1 ☒ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY; 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	21
6⅛	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☒ PLASTIC		21	43
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
3	11	BENSEAL

71 PUMPING TEST

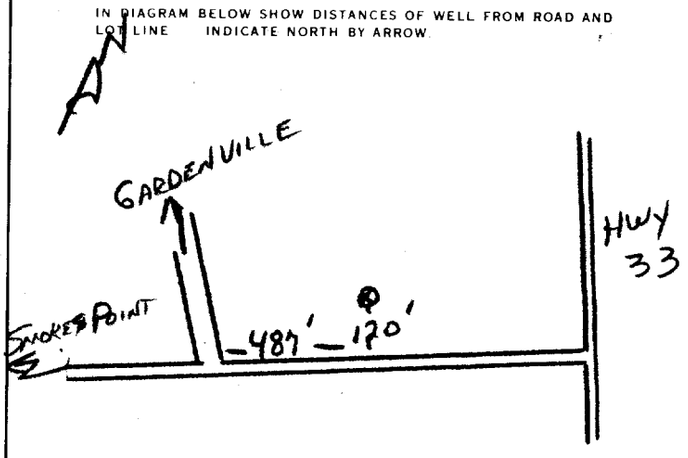
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 10 GPM
DURATION OF PUMPING: 1 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
1 FEET	10 FEET	1 FEET	1 FEET	1 FEET	1 FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: 43 FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 30 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



WELL PRODUCING MORE THAN 10 GPM
24' OF CASING USED - 3' ABOVE GROUND FOR FILL.
DRILLERS REMARKS

127405

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; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: TRENT VALLEY DRILLING
WELL CONTRACTOR'S LICENCE NUMBER: 5021
ADDRESS: RR1 WOOLER
NAME OF WELL TECHNICIAN: J. CROWE
WELL TECHNICIAN'S LICENCE NUMBER: T-0586
SIGNATURE OF TECHNICIAN/CONTRACTOR: J. Crowe
SUBMISSION DATE: DAY 18 MO 11 YR 92

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 5021 | DATE RECEIVED DEC 17 1992
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS, ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 5305965 — MUNICIP 53001 — CON. CON — 02

COUNTY OR DISTRICT: PRINCE EDWARD
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: AMELIASBURG
CON., BLOCK, TRACT, SURVEY, ETC: CON 2
LOT: 104
[redacted] #1 CARRING PLACE
DATE COMPLETED: DAY 20 MO 07 YR 93
RC | ELEVATION | RC | BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	STONES		0	2.5
GREY	SHALE			2.5	3
GREY	LIMESTONE			3	106

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
9	1 ☒ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY — 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	NO CASING			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

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

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
106	21	SAND & GRAVEL
21	03	BENTONITE HOLEPLUG
03	0	WELL CUTTINGS

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☐ BAILER
PUMPING RATE: NO FLOW GPM — DURATION OF PUMPING: ___ HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	
8 FEET	106 FEET	15 MINUTES: OVER FLOWING FEET	1 ☐ PUMPING 2 ☒ RECOVERY
		30 MINUTES: FEET	
		45 MINUTES: FEET	
		60 MINUTES: FEET	

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: FEET
RECOMMENDED PUMPING RATE: GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

FROM EAST PROP. LINE 397 FT.
FROM RD. EDGE 569 FT.
8/10 KM
VICTORIA CENTER RD.
HOUSE
BARN
WELL
EAST PROP LINE
HWY 33

DRILLERS REMARKS: 111077

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
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
9 ☒ NOT USED

METHOD OF CONSTRUCTION

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

CONTRACTOR

NAME OF WELL CONTRACTOR: MANSE DONALDSON WELL DRILLING
WELL CONTRACTOR'S LICENCE NUMBER: 1805
ADDRESS: RR #5 BELLEVILLE ONT.
NAME OF WELL TECHNICIAN: KEN DONALDSON
WELL TECHNICIAN'S LICENCE NUMBER: T-0079
SIGNATURE OF TECHNICIAN/CONTRACTOR: Ken Donaldson
SUBMISSION DATE: DAY 20 MO 09 YR 93

OFFICE USE ONLY

DATA SOURCE
CONTRACTOR: 1805
DATE RECEIVED: OCT 05 1993
DATE OF INSPECTION
INSPECTOR
REMARKS: YES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 5306590 — Municipality 53001 — Con. CON 01

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
PRINCE EDWARD	AMELIASBURG WARD					105

Address: 235 COLLEGE STREET WEST BELLEVILLE ONT K8P2H4

Date completed: 11 day 10 month 99 year

21 — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	SAND	STONES	SOFT	0	4
GREY	LIMESTONE		HARD	4	25

31

32

41 WATER RECORD

Water found at – feet	Kind of water
13	1 ☒ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
18	1 ☒ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty; 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
8	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		0	10
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	10
6 1/8	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		10	25

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: — Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
10	0	CEMENT GROUT

71 PUMPING TEST

Pumping test method: 1 ☐ Pump 2 ☒ Bailer — Pumping rate: 7 GPM — Duration of pumping: 1 Hours 20 Mins

Static level	Water level end of pumping	Water levels during: 1 ☐ Pumping 2 ☒ Recovery 15 minutes	30 minutes	45 minutes	60 minutes
10 feet	10 feet	10 feet	10 feet	10 feet	10 feet

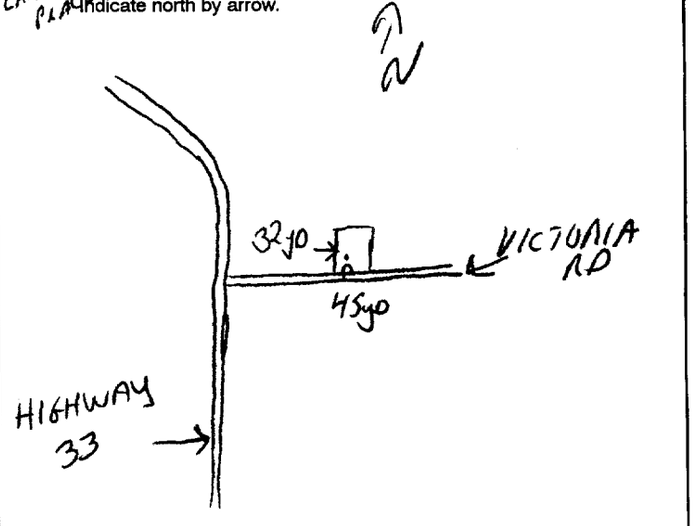
If flowing give rate: GPM — Pump intake set at: 20 feet — Water at end of test: ☐ Clear ☒ Cloudy

Recommended pump type: ☐ Shallow ☒ Deep — Recommended pump setting: 20 feet — Recommended pump rate: 7 GPM

LOCATION OF WELL

CARRYING PLACE

In diagram below show distances of well from road and lot line. Indicate north by arrow.



175742

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 ☐ Abandoned (Other); 8 ☐ Dewatering; 9 ☐ Unfinished; 10 ☐ Replacement well

WATER USE

1 ☒ Domestic; 2 ☐ Stock; 3 ☐ Irrigation; 4 ☐ Industrial; 5 ☐ Commercial; 6 ☐ Municipal; 7 ☐ Public supply; 8 ☐ Cooling & air conditioning; 9 ☐ Not used; 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☒ Cable tool; 2 ☐ Rotary (conventional); 3 ☐ Rotary (reverse); 4 ☐ Rotary (air); 5 ☐ Air percussion; 6 ☐ Boring; 7 ☐ Diamond; 8 ☐ Jetting; 9 ☐ Driving; 10 ☐ Digging; 11 ☐ Other

Name of Well Contractor: PRINCE EDWARD WELL DRILLERS — Well Contractor's Licence No.: 6005

Address: RR3 PICTON K0K 2T0

Name of Well Technician: London McKee — Well Technician's Licence No.: T2826

Signature of Technician/Contractor: London McKee — Submission date: day 12 mo 10 yr 99

MINISTRY USE ONLY

Data source — Contractor: 6005 — Date received: OCT 14 1999

Date of inspection — Inspector

Remarks: CSS.ESO

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

0506 (07/94) Front Form 9

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 5306613 — Municipality 53001 — Con. CON 01

County or District: PRINCE EDWARD
Township/Borough/City/Town/Village: AMELIASBURG
Con / block / tract / survey, etc.: 1
Lot: 105
Address: 235 COLLEGE ST WEST BELLEVILLE ONT K8P 2H4
Date completed: 11 day 11 month 99 year
Northing / RC / Elevation / RC / Basin Code

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
BROWN	SAND	CLAY STONES	SOFT	0	4
BROWN	SHALE	SAND	POROUS LOOSE	4	8
GREY	LIMESTONE			8	21

41 WATER RECORD

Water found at – feet	Kind of water
14	1 [X] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas
	1 [ ] Fresh 2 [ ] Salty 3 [ ] Sulphur 4 [ ] Minerals 6 [ ] Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
8	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic		0	13
6 1/4	1 [X] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [ ] Open hole 5 [ ] Plastic	.188	0	13
6 1/8	1 [ ] Steel 2 [ ] Galvanized 3 [ ] Concrete 4 [X] Open hole 5 [ ] Plastic		13	21

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: | Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

[X] Annular space [ ] Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
13	0	GROUT

71 PUMPING TEST

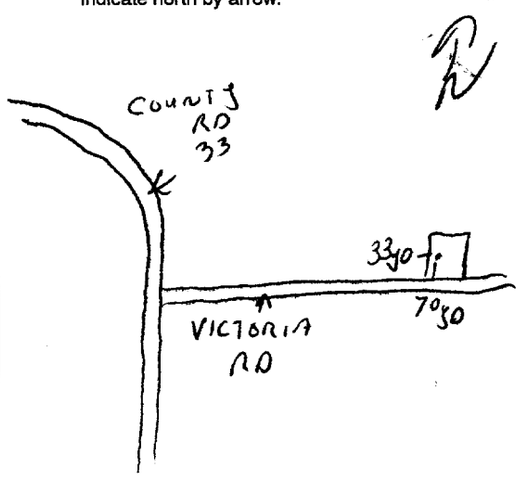
Pumping test method: 1 [ ] Pump 2 [X] Bailer
Pumping rate: 5 GPM
Duration of pumping: 1 Hours 20 Mins

Static level	Water level end of pumping	Water levels during: 1 [ ] Pumping 2 [X] Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
2 feet	2 feet	6 feet	2 feet	2 feet	2 feet

If flowing give rate: GPM
Pump intake set at: 16 feet
Water at end of test: [ ] Clear [X] Cloudy
Recommended pump type: [ ] Shallow [X] Deep
Recommended pump setting: 16 feet
Recommended pump rate: 5 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



175744

FINAL STATUS OF WELL

1 [X] Water supply 2 [ ] Observation well 3 [ ] Test hole 4 [ ] Recharge well
5 [ ] Abandoned, insufficient supply 6 [ ] Abandoned, poor quality 7 [ ] Abandoned (Other) 8 [ ] Dewatering
9 [ ] Unfinished 10 [ ] Replacement well

WATER USE

1 [X] Domestic 2 [ ] Stock 3 [ ] Irrigation 4 [ ] Industrial
5 [ ] Commercial 6 [ ] Municipal 7 [ ] Public supply 8 [ ] Cooling & air conditioning
9 [ ] Not used 10 [ ] Other

METHOD OF CONSTRUCTION

1 [X] Cable tool 2 [ ] Rotary (conventional) 3 [ ] Rotary (reverse) 4 [ ] Rotary (air)
5 [ ] Air percussion 6 [ ] Boring 7 [ ] Diamond 8 [ ] Jetting
9 [ ] Driving 10 [ ] Digging 11 [ ] Other

Name of Well Contractor: PRINCE EDWARD WELL DRILLERS
Well Contractor's Licence No.: 6005
Address: RR3 PICTON K0K 2T0
Name of Well Technician: Glendon McKee
Well Technician's Licence No.: 2826
Signature of Technician/Contractor: Glendon McKee
Submission date: day 19 mo 11 yr 99

MINISTRY USE ONLY
Data source
Contractor: 6005
Date received: DEC 0 2 1999
Date of inspection
Inspector
Remarks

0506 (07/94) Front Form 9

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

Ontario Ministry of the Environment

Well T A025064 (number below)

A025064

Well Record

Regulation 903 Ontario Water Resources Act

page ___ of ___

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.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

PRINCE EDWARD
RR#/Street Number/Name
VICTORIA RD

MELLASBURG
City/Town/Village

TWP 209
Site/Compartment/Block/Tract etc.

GPS Reading | NAD 83 | Zone 18 | Easting 295925 | Northing 4879360

Unit Make/Model: MAGELLAN 310

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	Depth To (Metres)
BROWN	CLAY		SOFT	0	40
BROWN	SHALE		DENSE	40	1.70
GREY	LIMESTONE		HARD	1.70	20.20

Hole Diameter

Depth From	Metres To	Diameter Centimetres
0	6	21.90
6	20.20	15.23

Water Record

Water found at Metres	Kind of Water		
19.75	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:
___ m	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:
___ m	☐ Fresh	☐ Sulphur	☐ Gas
	☐ Salty	☐ Minerals	☐ Other:

After test of well yield, water was
☑ Clear and sediment free
☐ Other, specify

Chlorinated ☑ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
15.23	☑ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	48	0	6
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☑ Open hole		6	20.20

Test of Well Yield

Pumping test method: PUMP

	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Static Level		10.25		10.73
1	1	10.43	1	10.45
2	2	10.51	2	10.40
3	3	10.60	3	10.36
4	4	10.66	4	10.32
5	5	10.71	5	10.29
10	10	10.73	10	10.25
15	15		15	
20	20		20	
25	25		25	
30	30		30	
40	40		40	
50	50		50	
60	60	10.73	60	10.25

Pump intake set at (metres): 19.75
Pumping rate (litres/min): 135
Duration of pumping: ___ hrs + ___ min
Final water level end of pumping: 10.73 metres
Recommended pump type: ☐ Shallow ☑ Deep
Recommended pump depth: 19.75 metres
Recommended pump rate: 100 (litres/min)
If flowing give rate (litres/min):
If pumping discontinued, give reason.

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)
6	0	BENTONITE SLURRY	

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

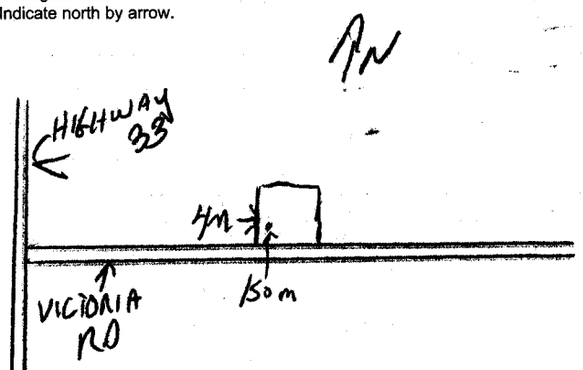
☑ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Well Contractor/Technician Information

Name of Well Contractor: PRINCE EDWARD WELL DRILLERS
Well Contractor's Licence No.: 6005
Business Address (street name, number, city etc.): RR3 PICTON K0K2T0
Name of Well Technician (last name, first name): McKEE, GLENDON
Well Technician's Licence No.: 12826
Signature of Technician/Contractor: x Glendon McKee
Date Submitted: 2005 09 14

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No.: Z 25465
Was the well owner's information package delivered? ☑ Yes ☐ No
Date Well Completed: 2005 09 13
Date Delivered: 2005 09 19

Ministry Use Only

Data Source
Contractor: 6005
Date Received: OCT 05 2005
Date of Inspection
Remarks
Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☐ Well Owner's Copy ☐

Cette formule est disponible en français

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

A228228

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3146 VICTORIA RD	AMELIASBURG	105	ONE

County/District/Municipality	City/Town/Village	Province	Postal Code
PRINCE EDWARD	CARRYING PLACE	Ontario	K0K1L0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	295556	4878993		

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	Depth (m/ft) To
BROWN	CLAY	STONES		0	4
GREY	LIMESTONE			4	36

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	18	BENTONITE CLAY	3.7

Method of Construction

☒ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☐ Other, *specify*

Well Use

☐ Public ☐ Commercial ☐ Not used ☒ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☐ Test Hole ☐ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, *specify*

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6 1/4	STEEL	.188	-1'6"	20'6"
6 1/8	OPEN HOLE		20'6"	36

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6 5/8	SLOTTED PIPE	20	20'3"	20'6"

Status of Well

☒ Water Supply ☐ Replacement Well ☐ Test Hole ☐ Recharge Well ☐ Dewatering Well ☐ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, *specify* ☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
8-9	☐	☒ Fresh ☐ Untested	
19	☐	☒ Fresh ☐ Untested	
33	☐	☐ Fresh ☐ Untested	☒ SULPHUR

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	4	10
4	20'6"	8
20'6"	36	6

Results of Well Yield Testing

After test of well yield, water was: ☒ Clear and sand free ☐ Other, *specify*

If pumping discontinued, give reason: —

Pump intake set at (m/ft): 35

Pumping rate (~~l/min~~ / GPM): 20

Duration of pumping: 1 hrs + 00 min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM): —

Recommended pump depth (m/ft): 30

Recommended pump rate (l/min / GPM): 15

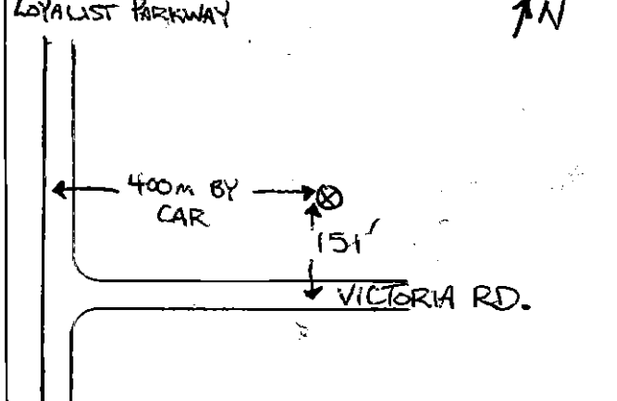
Well production (l/min / GPM): 58

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	7.28		
1	8.85	1	9.8
2	9.24	2	9.35
3	9.58	3	9.07
4	9.8	4	8.84
5	9.96	5	8.66
10	10.52	10	8.15
15	10.8	15	7.88
20	10.97	20	7.75
25	11.09	25	7.67
30	11.23	30	7.6
40	11.31	40	7.53
50	11.38	50	7.46
60	11.43	60	7.42

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
TRI-COUNTY WELL DRILLING	7020

Business Address (Street Number/Name)	Municipality
194 PRINCE EDWARD ST	BRIGHTON

Province	Postal Code	Business E-mail Address
ON	K0K1H0	jcrowe@bellnet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6134750110	CROWE, JOHN

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
2388	[signature]	2020 06 15

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	2020 06 16	2020 05 20

Ministry Use Only

Audit No. Z326965

Received NOV 19 2020

0506E (2018/12)

Ministry's Copy

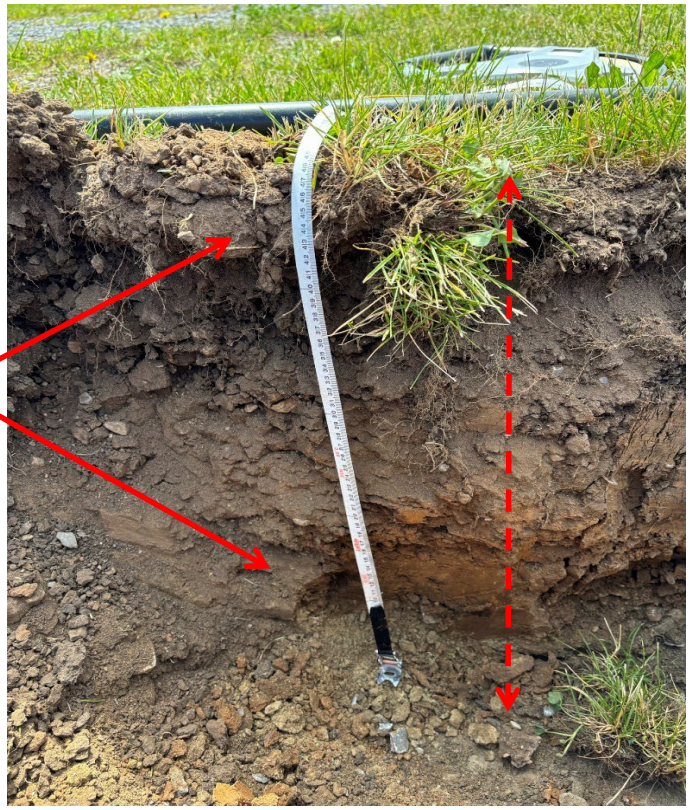
Appendix D
Test Pit Reports

Test Pit Log 1

3131 Victoria Road 10, Prince Edward, Ontario

Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County



from *(cm)*	***to*** *(cm)*	***description***
0 *(surface)*	30	Organic Layer/Stoney
30	50	Red/Orange Clay
50	end of hole	Grey Bedrock

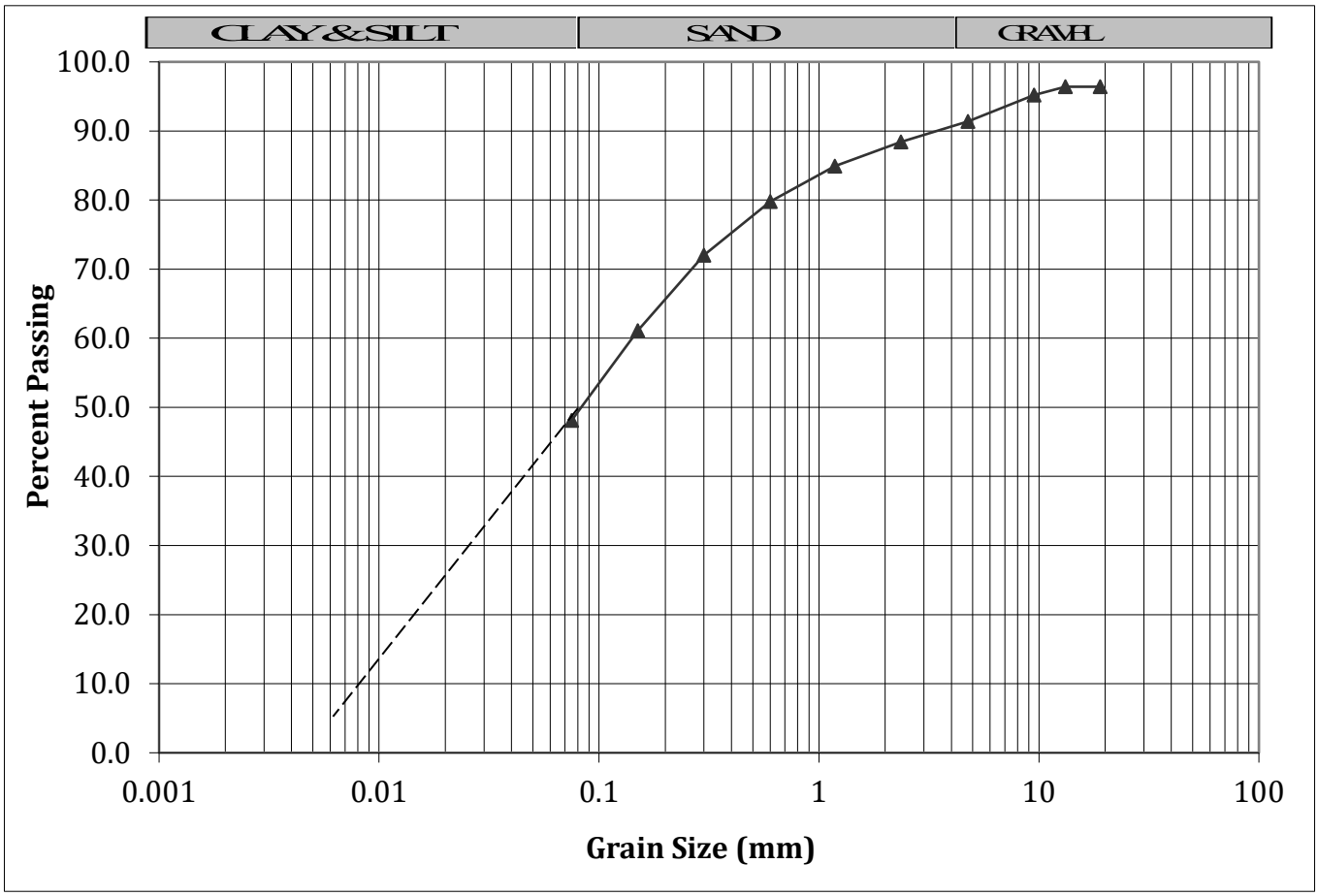
Sample Number: 1
Depth Taken: 40 cm
Remarks: Mix of clay/stoney layer

Logged by: Danielle Davidson
Date: June 7/ 2024

GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

GREER GALLOWAY
CONSULTING ENGINEERS
Phone: 613-966-3068 Fax: 613-966-3087



SAMPLE SITE: 3131 Victoria Road
SUPPLIED BY: Danielle Davidson
SAMPLE MATRIX: Silty sand
DEPTH (m): 0.4
SAMPLE No. TP1
MASS OF DRY SAMPLE (g): 100

SM = Silty-sand mixture with more than 12% fines

SM = (8<T<25)
Refer to OBC Table 8.7.4.1.A
Maximum recommended loading rate 8L/m^2

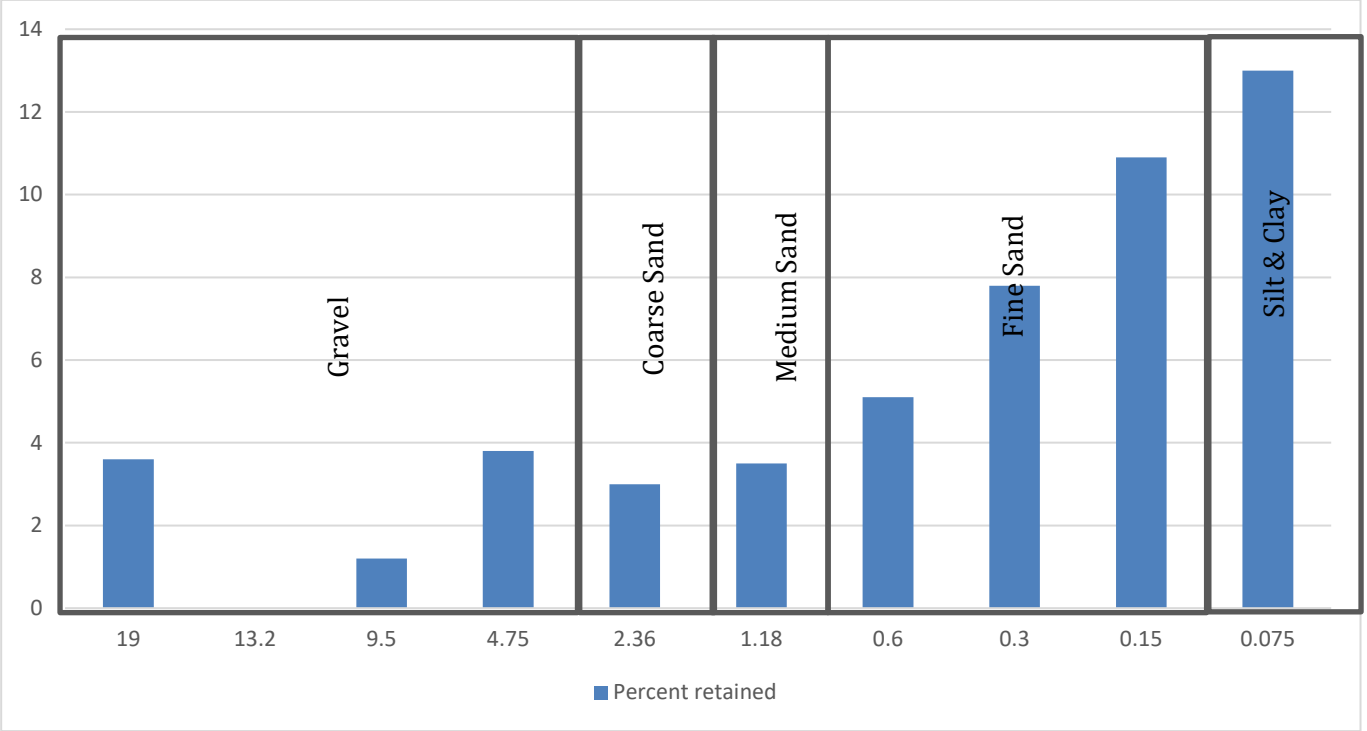
D60 =	0.15
D30 =	0.025
D10 =	0.008
Cu = D_{60}/D_{10}	18.75
Cz (Cc)= $(D_{30})^2/(D_{10}xD_{60})$	0.52

SIEVE #	Screen Opening		Weight Recorded	Percent Passed	Percent Retained
				Sample	*Sample*
1	19		3.6	96.4	3.6
2	13.2		0	96.4	0
3	9.5		1.2	95.2	1.2
4	4.75		3.8	91.4	3.8
8	2.36		3	88.4	3
16	1.18		3.5	84.9	3.5
30	0.6		5.1	79.8	5.1
50	0.3		7.8	72.0	7.8
100	0.15		10.9	61.1	10.9
200	0.075		13	48.1	13
PAN			48.1		

GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

GREER GALLOWAY
CONSULTING ENGINEERS
Phone: 613-966-3068 Fax: 613-966-3087



Test Pit Log 2

3131 Victoria Road 10, Prince Edward, Ontario

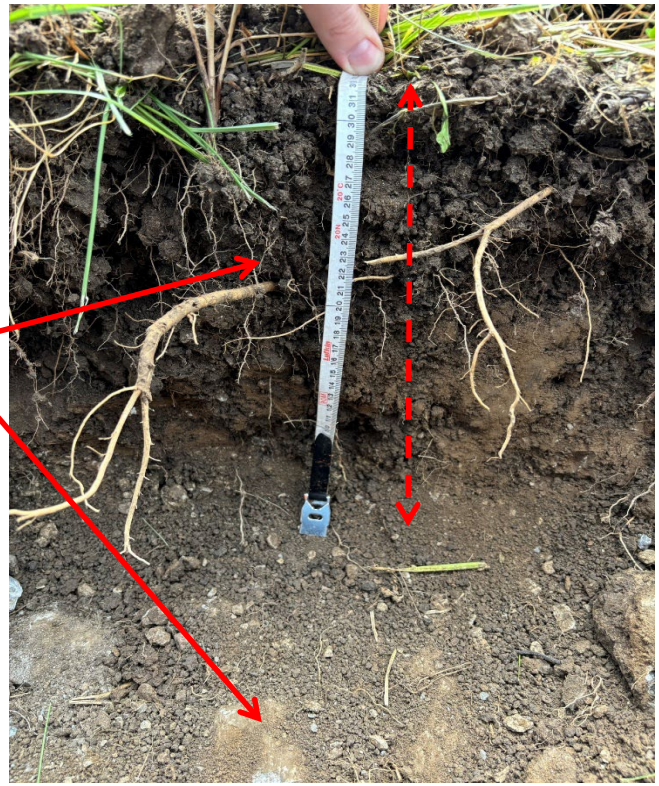
Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County

from *(cm)*	***to*** *(cm)*	***description***
0 *(surface)*	33	Organic Layer/Stoney
33	end of hole	Bedrock

Sample Number: 2
Depth Taken: 30 cm
Remarks:

Logged by: Danielle Davidson
Date: June 7/ 2024



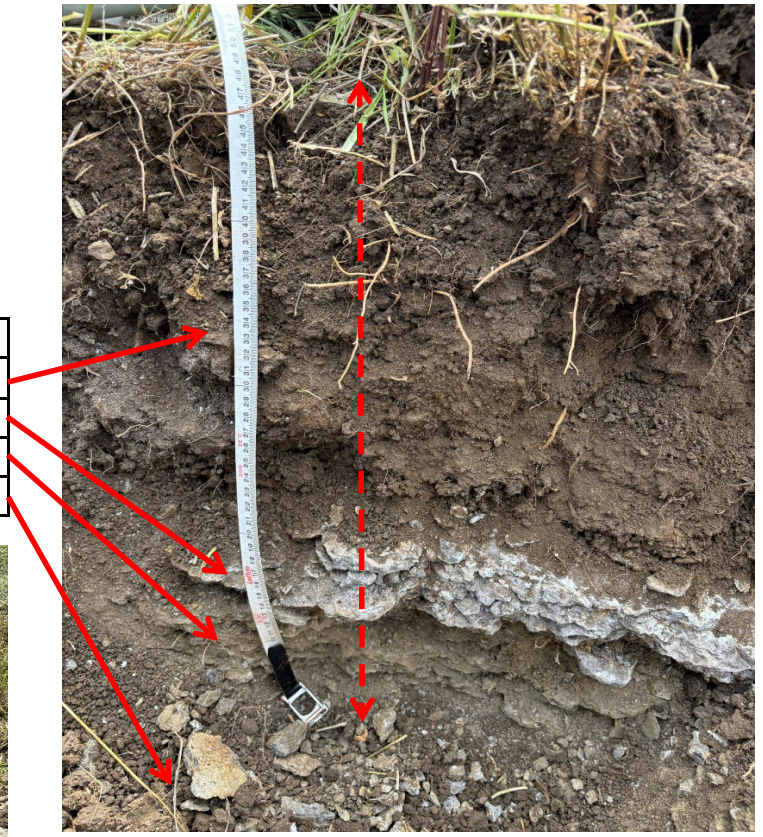
Test Pit Log 3

3131 Victoria Road 10, Prince Edward, Ontario

Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County

from *(cm)*	***to*** *(cm)*	***description***
0 *(surface)*	30	Organic Layer/Stoney
30	40	White/grey rock
40	47	Layered flat stones, clay packed, dry
47	end of hole	Bedrock



Sample Number: 3
Depth Taken: 40 cm
Remarks: Tried to get soil under rocks

Logged by: Danielle Davidson
Date: June 7/ 2024

GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

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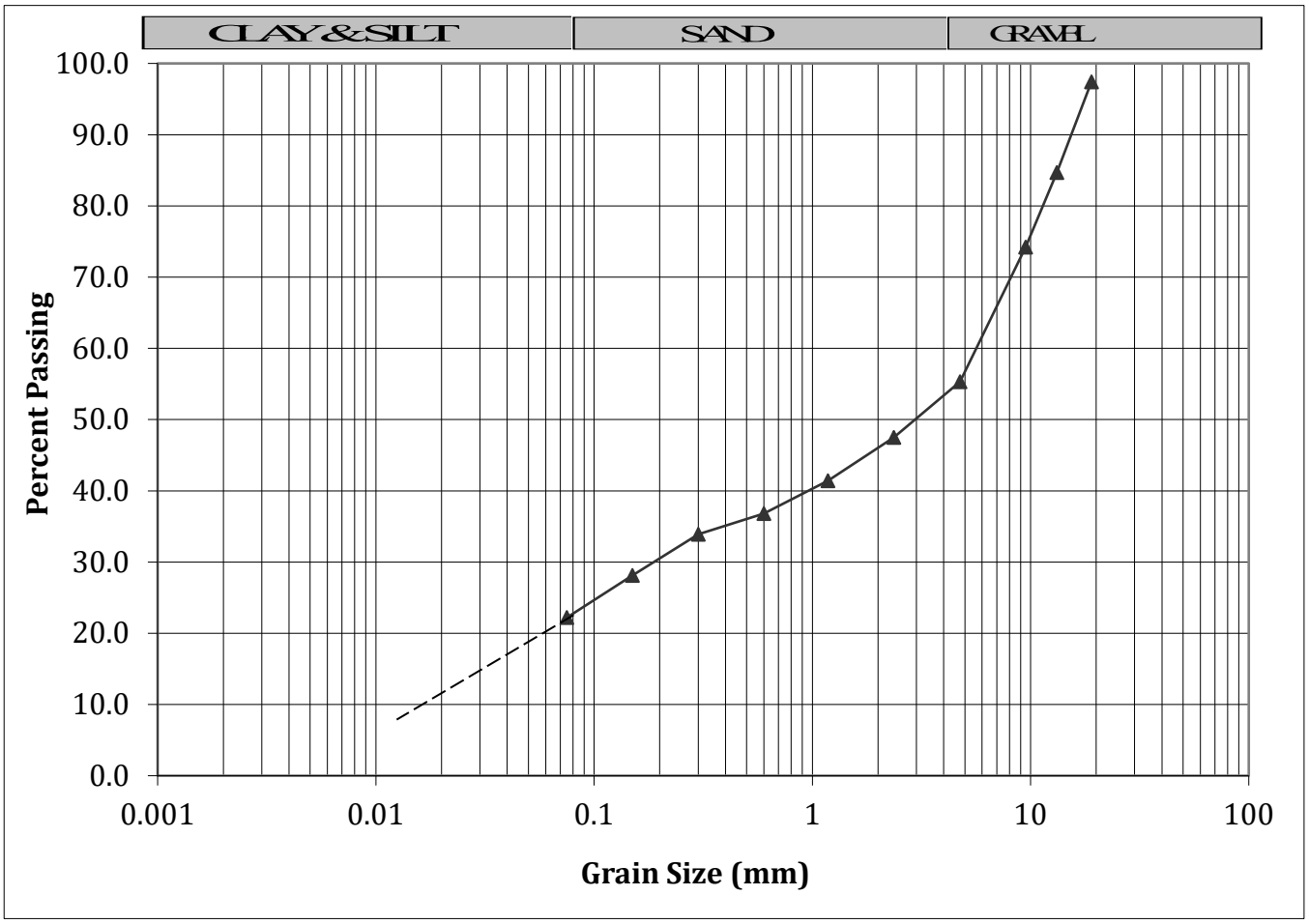

SAMPLE SITE: 3131 Victoria Road
SUPPLIED BY: Danielle Davidson
SAMPLE MATRIX: Silty sand
DEPTH (m): 0.4
SAMPLE No. TP3
MASS OF DRY SAMPLE (g): 100

SM = Silty-sand mixture with more than 12% fines

SM = (8<T<25)
Refer to OBC Table 8.7.4.1.A
Maximum recommended loading rate 10L/m^2

D60 =	5.7
D30 =	0.19
D10 =	0.018
$Cu = D_{60}/D_{10}$	316.67
$Cz\ (Cc) = (D_{30})^2/(D_{10} \times D_{60})$	0.35

SIEVE #	Screen Opening		Weight Recorded	Percent Passed	Percent Retained
				Sample	*Sample*
1	19		2.6	97.4	2.6
2	13.2		12.7	84.7	12.7
3	9.5		10.5	74.2	10.5
4	4.75		18.9	55.3	18.9
8	2.36		7.8	47.5	7.8
16	1.18		6.1	41.4	6.1
30	0.6		4.6	36.8	4.6
50	0.3		2.9	33.9	2.9
100	0.15		5.8	28.1	5.8
200	0.075		5.9	22.2	5.9
PAN			22.2		

GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

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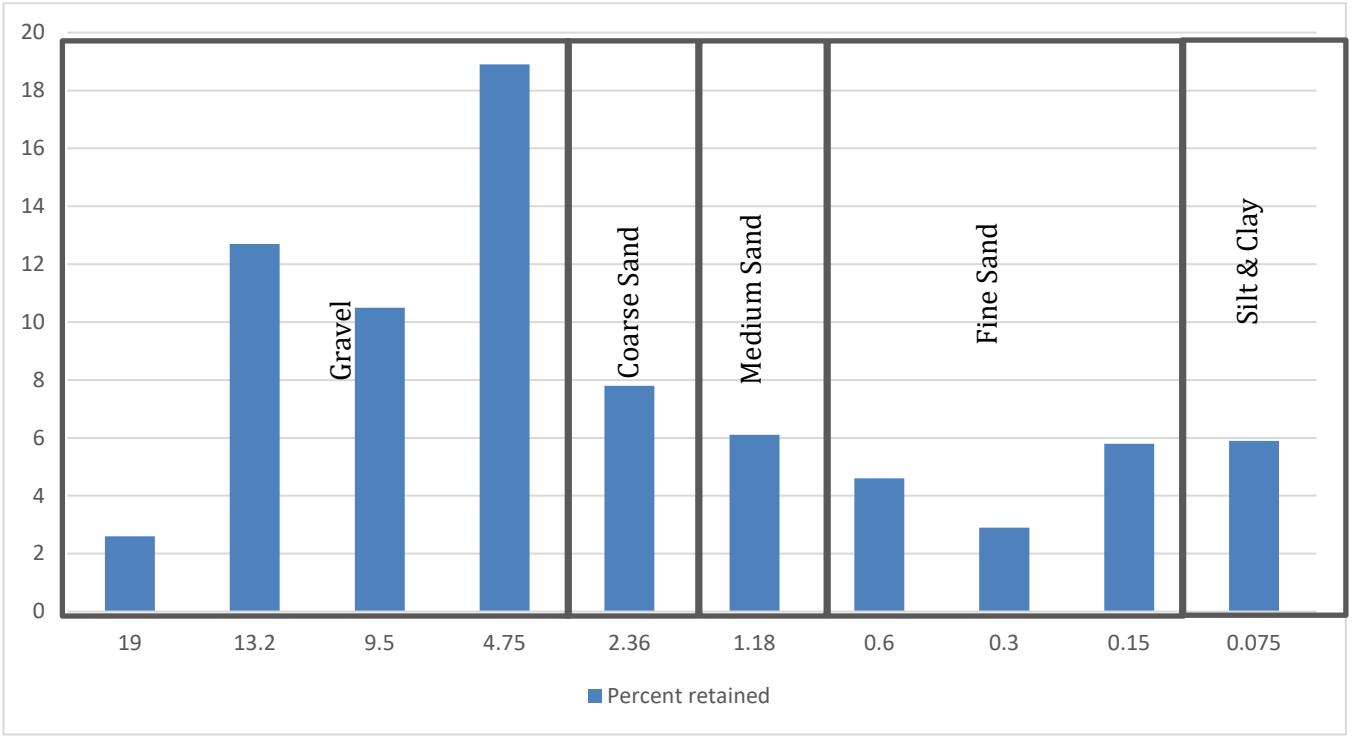


Test Pit Log 4

3131 Victoria Road 10, Prince Edward, Ontario

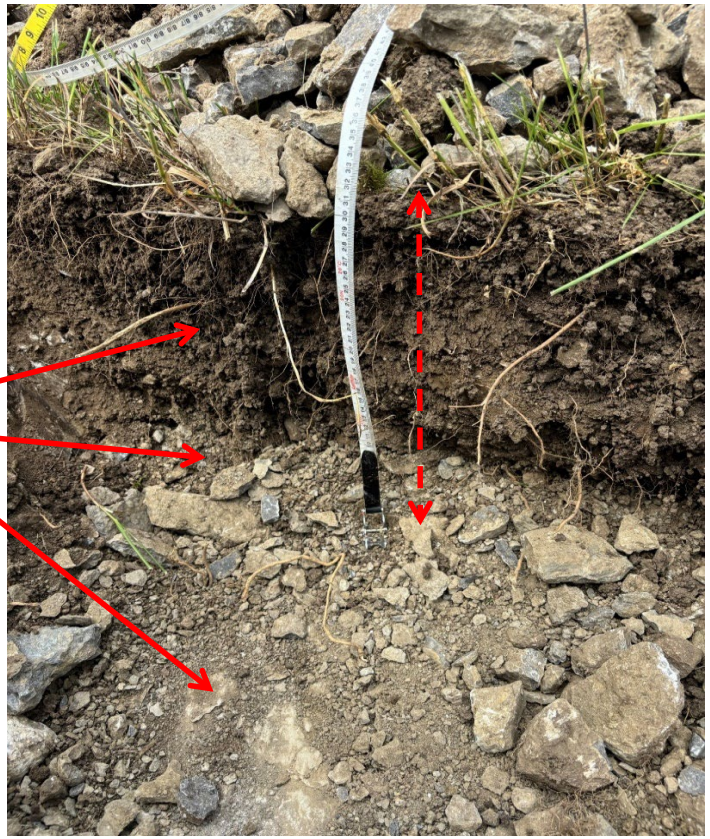
Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County

from *(cm)*	***to*** *(cm)*	***description***
0 *(surface)*	27	Organic Layer/Stoney
27	32	Packed Stone
32	end of hole	Bedrock

Sample Number: 4
Depth Taken: 30 cm
Remarks: Stones

Logged by: Danielle Davidson
Date: June 7/ 2024



Test Pit Log 5

3131 Victoria Road 10, Prince Edward, Ontario

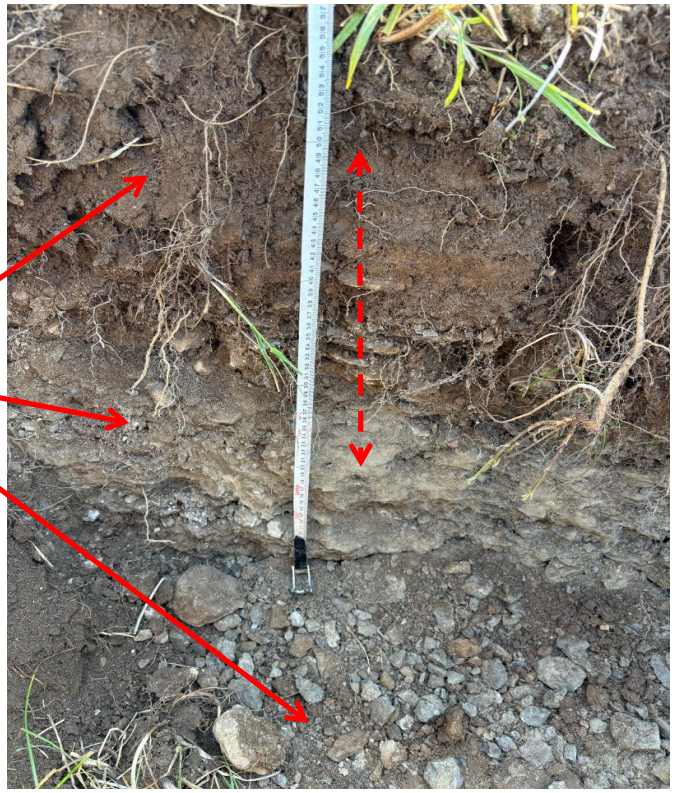
Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County

from *(cm)*	***to*** *(cm)*	***description***
0 *(surface)*	34	Brown organic layer, some stones
34	60	Layered stone, grey soil
60	end of hole	Bedrock

Sample Number: 5
Depth Taken: 50
Remarks: Moist Soil

Logged by: Danielle Davidson
Date: June 7/ 2024



GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

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CONSULTING ENGINEERS
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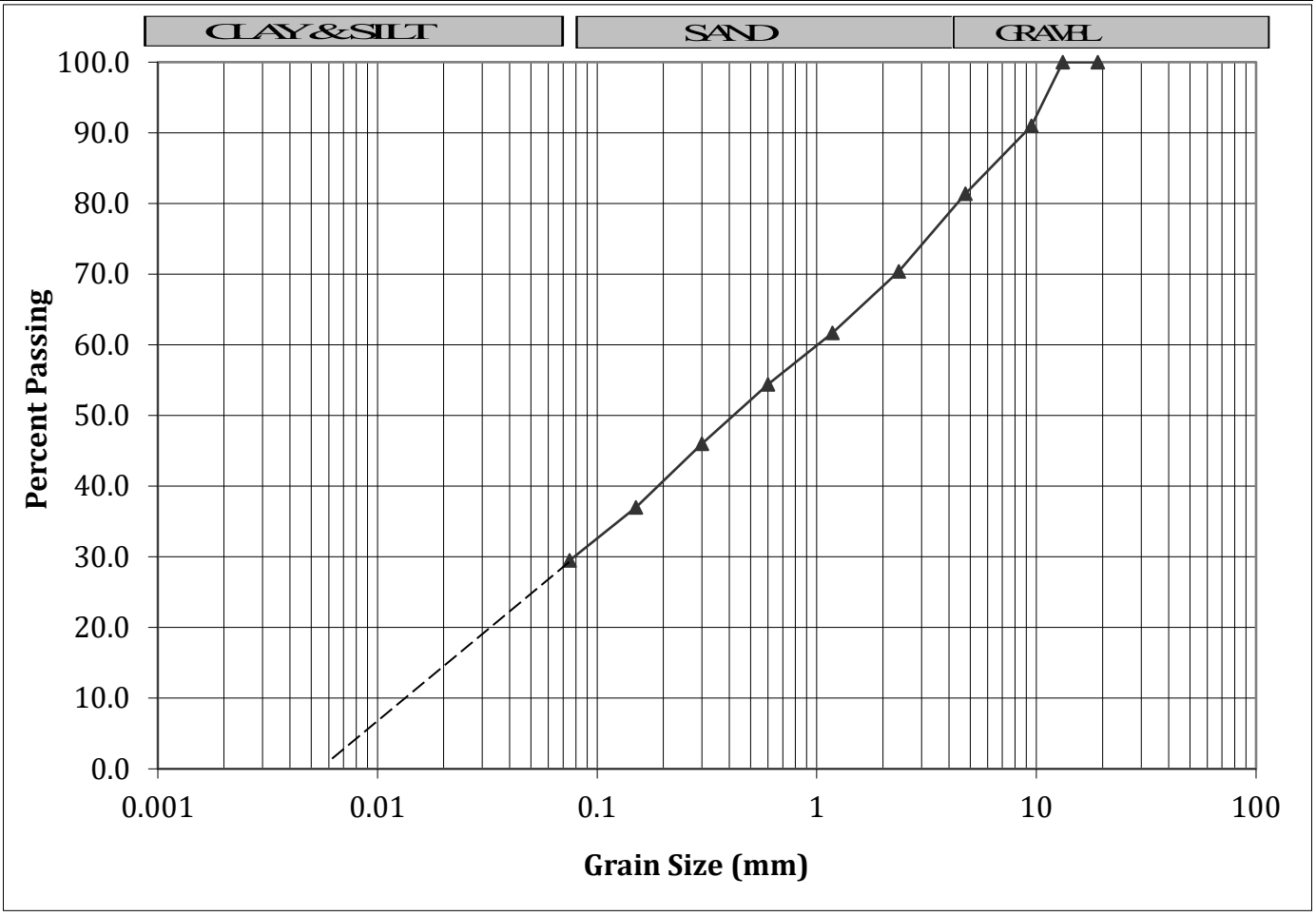


SAMPLE SITE: 3131 Victoria Road
SUPPLIED BY: Danielle Davidson
SAMPLE MATRIX: Silty sand
DEPTH (m): 0.5
SAMPLE No. TP5
MASS OF DRY SAMPLE (g): 100

SM = Silty-sand mixture with more than 12% fines

SM = (8<T<25)
Refer to OBC Table 8.7.4.1.A
Maximum recommended loading rate 10L/m^2

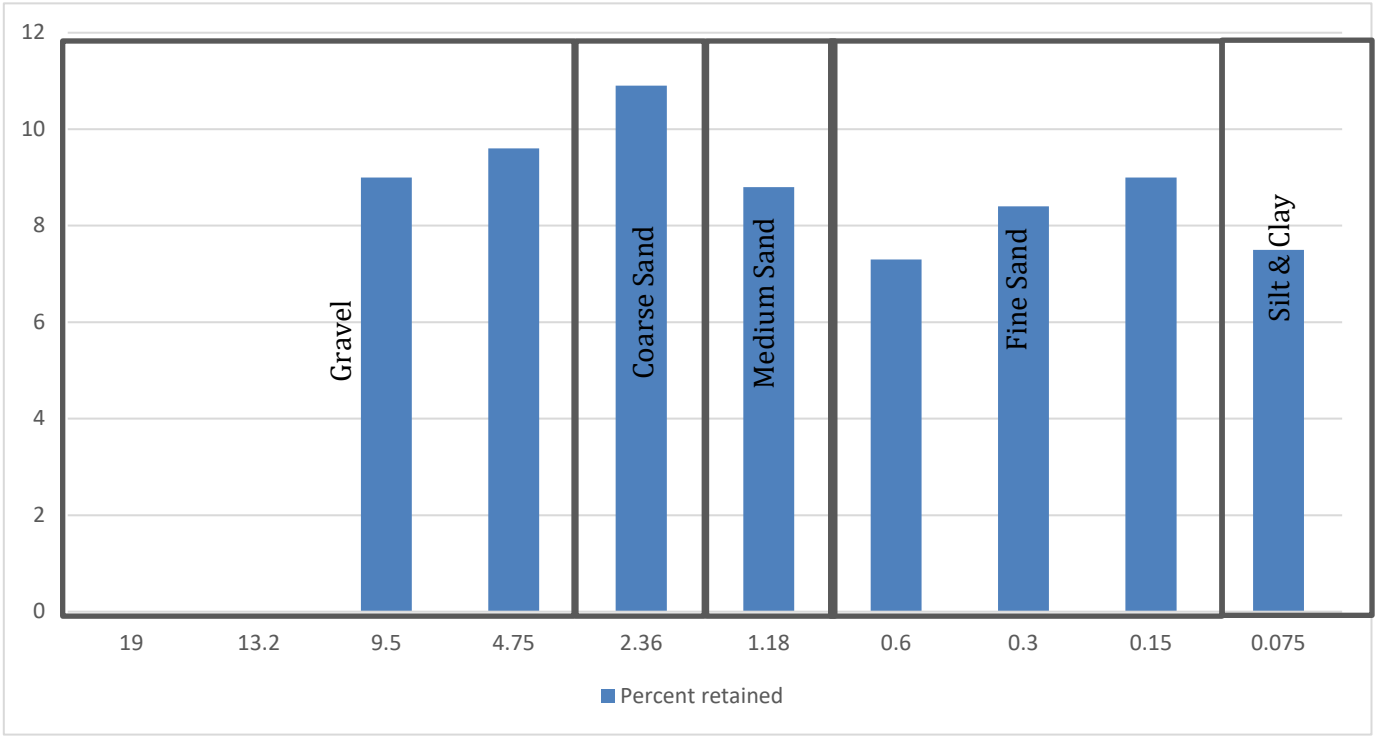
D60 =	1
D30 =	0.08
D10 =	0.015
Cu = D_{60}/D_{10}	66.67
Cz (Cc)= $(D_{30})^2/(D_{10}xD_{60})$	0.43

SIEVE #	Screen Opening		Weight Recorded	Percent Passed	Percent Retained
				Sample	*Sample*
1	19		0	100.0	0
2	13.2		0	100.0	0
3	9.5		9	91.0	9
4	4.75		9.6	81.4	9.6
8	2.36		10.9	70.4	10.9
16	1.18		8.8	61.7	8.8
30	0.6		7.3	54.4	7.3
50	0.3		8.4	46.0	8.4
100	0.15		9	37.0	9
200	0.075		7.5	29.5	7.5
PAN			29.5		

GRAIN SIZE DISTRIBUTION

CLIENT: Jocelyn Bamford
DATE: 7-Jun-24
PROJECT No. 24-3-8633

GREER GALLOWAY
CONSULTING ENGINEERS
Phone: 613-966-3068 Fax: 613-966-3087



Test Pit Log 6

3131 Victoria Road 10, Prince Edward, Ontario

Servicing Study and Topographic Study

Location Lot 105
Cossession 2
3131 Victoria Road
Prince Edward County

from (cm)	*to (cm)*	*description*
0 *(surface)*	36	Brown organics
36	50	Layered stone, grey
50	62	Layered bedrock
62	end of hole	Bedrock

Sample Number: 6
Depth Taken: 40
Remarks: Rocky

Logged by: Danielle Davidson
Date: June 7/ 2024