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			BCIN
Street address			Unit number / Lot/con.
Municipality	Postal code	Province	E-mail
Telephone number ( )	Fax ( )		Cell number ( )

D. Qualified supervisor information (where answer to section B is "Yes")	
Name of qualified supervisor(s)	Building Code Identification Number (BCIN)

E. Declaration of Applicant:

I _____declare that:
(print name)

☐ 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.

_____ _____

Date Signature of applicant

Schedule 3: Soil Design Criteria and Site Evaluation

A. Percolation Rate of Design Soil (T – Time)		
Percolation Rate of Design Soil T = _____ min/cm ☐ Native ☐ Imported	Percolation Rate of Mantle Sand T = _____ min/cm ☐ Native ☐ Imported	☐ Laboratory Analysis ☐ Lab Report Attached

Note: The Town of Penetanguishene requires documented laboratory reports verifying percolation rate for all soils proposed to be used in a septic bed.

B. Percolation Rate and Classification of Native Soil		
☐ Laboratory Analysis (Attached Report)	☐ Test on Site (Test Pit)	☐ Estimated (Unified System)

TEST PIT SOIL DATA

TEST PIT #1			**TEST PIT #2**		
Rock or Ground Water Table	**Depth (metres)**	**Description of Soil**	**Rock or Ground WaterTable**	**Depth (metres)**	**Description of Soil**
	-0-			-0-	
	-0.25-			-0.25-	
	-0.50-			-0.50-	
	-0.75-			-0.75-	
	-1.00-			-1.00-	
	-1.25-			-1.25-	
	-1.50-			-1.50-	
	-1.80-			-1.80-	
Depth to Groundwater	_____m		Depth to Groundwater	_____m	
Seasonal High Groundwater	_____m		Seasonal High Groundwater	_____m	
Depth to Bedrock	_____m		Depth to Bedrock	_____m	

For fill based beds and mantle, attach gradation test report for the material proposed to be used in addition to the report for the existing native soil.

Table 8.2.1.3.A

C. Septic System Design Flow

Design Criteria:

- Total Finished area: _____
- Number of Bedrooms: _____
- Fixture Units *(O.B.C. Table 7.4.9.3):*

Description			**Number**	**Fixture Units**
Bathroom Group				
Watercloset (with flush tank)	6	X	_____	_____
Watercloset (with direct flush)	8	X	_____	_____
Urinal (wall hung)	3	X	_____	_____
Domestic Sink	1 ½	X	_____	_____
Shower (one head)	1 ½	X	_____	_____
Bathtub (with or without shower)	1 ½	X	_____	_____
Laundry Tub	1 ½	X	_____	_____
Clothes Washer (domestic)	1 ½	X	_____	_____
Dishwasher	1 ½	X	_____	_____
Additional items (not listed above)				
_____			_____	_____
_____			_____	_____
_____			_____	_____

Total Fixture Units _____

Residential Occupancy
Forming Part of Sentence 8.2.1.3.(1)

Dwellings	
(a) 1 bedroom dwelling	750
(b) 2 bedroom dwelling	1100
(c) 3 bedroom dwelling	1600
(d) 4 bedroom dwelling	2000
(e) 5 bedroom dwelling	2500
(f) Additional flow for ²	
i) Each bedroom over 5.	500
ii) A) each 10m² (or part of it) over 200m² up to 400m²	100
B) each 10m² (or part of it) over 400m² up to 600m², and	75
C) each 10m² (or part of it) over 600m², or	50
iii) each fixture unit over 20 fixtures units	50

Sewage System Design Flow (O.B.C. 8.2.1.3 – Tables 8.2.1.3.A & B):

Calculations:

Q - _____ **litres per day.**

D. System Design

Treatment Unit:

Septic Tank to conform to O.B.C. 8.2.2.2. Tanks and O.B.C. 8.2.2.3 Septic Tanks
Minimum tank is larger of 2 X Residential Design Flow or 3 X non-residential design flow or 3600 L or provide BMEC approval documentation for other treatment units.

Calculations:

Size: _____ litres or _____imp. gal.

Absorption Trench Construction:

General description: (e.g. pipe and stone or model of chambers etc.)

Length of Distribution Pipe – formula from O.B.C. 8.7.3.1: $L = \frac{QT}{200}$

_____ L = _____m (_____ft.)

Propose using _____runs X _____m (_____ft.) =_____m (_____ft.)

Proposed spacing of runs _____ m

For Fill Based Absorption trenches (O.B.C. 8.7.4)

15 m mantle required in any direction the effluent will flow horizontally (O.B.C. 8.7.4.2 (1)(b)).

All side slopes to be no greater than 1 unit vertically to 4 units horizontally (O.B.C. 8.7.4.2 (8)).

Minimum clearances to be increased by (O.B.C. 8.7.4.2.(9)). The distances as set out in Column 2 of Table 8,2,1,6, B) shall be increased by twice the height that the leaching bed is raised above the original grade.

If leaching bed is being dosed by pump (>150 m)

Dosing Volume = _____ Litres

High Float Elev = _____ Cm Above Tank Bottom

Low Float Elev = _____ Cm Above Tank Bottom

Pump Model = _____

Table 8.2.1.6.A
Minimum Clearances for Treatment Units
Forming Part of Sentence 8.2.1.6.(1)

Object	Minimum Clearance, m
Structure	1.5
Well	15
Lake	15
Pond	15
Reservoir	15
River	15
Spring	15
Stream	15
Property Line	3
Column 1	2

Table 8.2.1.6.B
Minimum Clearances for Distribution Piping
Forming Part of Sentence 8.2.1.6.(2)

Object	Minimum Clearance, m
Structure	5
Well with a watertight casing to a depth of 6 m	15
Any other well	30
Lake	15
Pond	15
Reservoir	15
River	15
Spring not used as a source of potable water	15
Stream	15
Property Line	3
Column 1	2

Loading rate for filter bed = L.R. per OBC 8.7.5.2. = _____ $L/m^2/day$

Loading Area for filter $A = \frac{QT}{75}$ = _____ m^2

Expanded Contact Area Of Filter = $\frac{QT}{850}$ _____ m^2

Base area per loading rate OBC 8.7.4.1. $A = Q/L.R.$ _____ m^2

Source/Supplier of Filter Media _____ (Attach graduation chart)

Table 8.7.4.1.A.

Loading Rates for Fill Based Absorption Trenches and Filter Beds

Forming Part of Sentences 8.7.4.1.(1) and 8.7.5.2.(2)

Percolation Time (T) of Soil, min.cm	**L.R. Loading Rates, $(L/m^2)/day$**
$1 < T \leq 20$	10
$20 < T \leq 35$	8
$35 < T \leq 50$	6
$T > 50$	4
Column 1	2

For other OBC approved treatment units listed in OBC SB-5 please specify the unit make and model plus attach a copy of the approval documentation to support the design of the system.

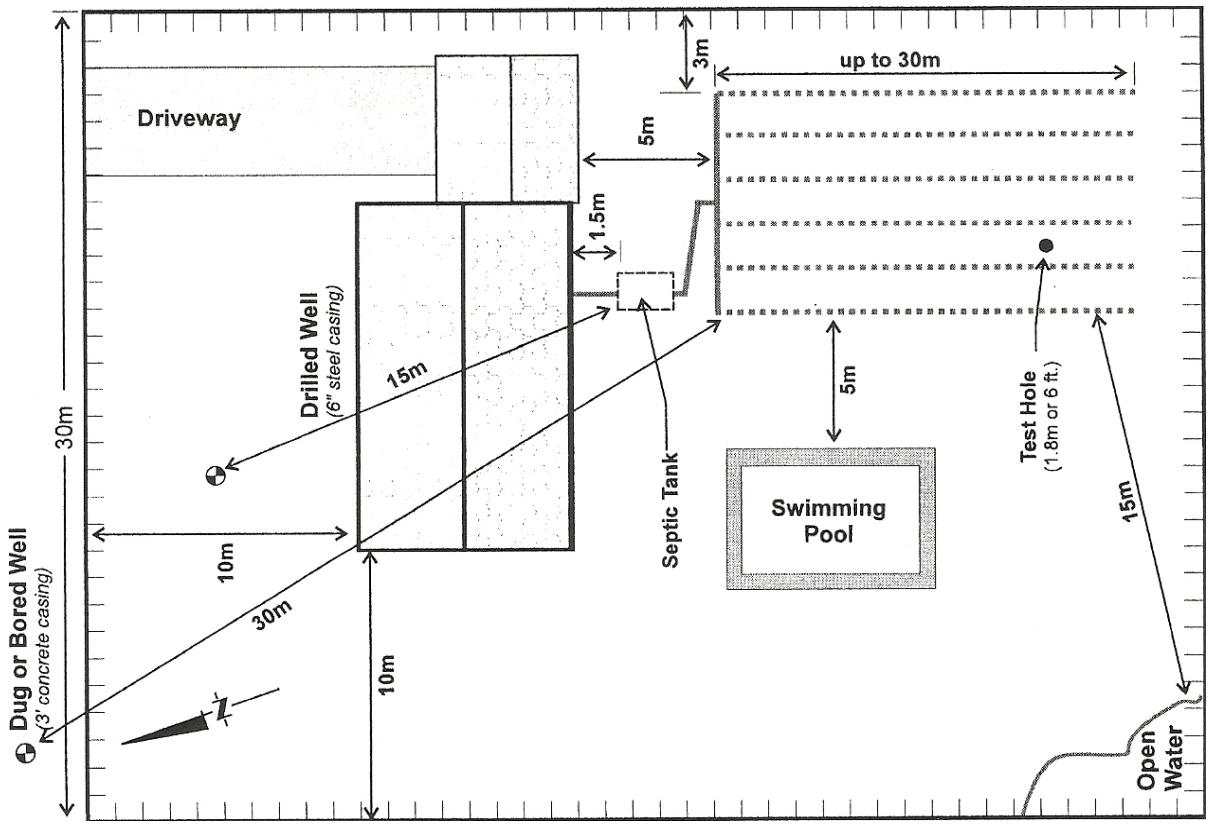
E. Site Plan Requirements

As part of your application you are required to provide a site plan which must be an accurate scaled or proportioned drawing. This diagram must be completed in detail and be presented as part of your application.

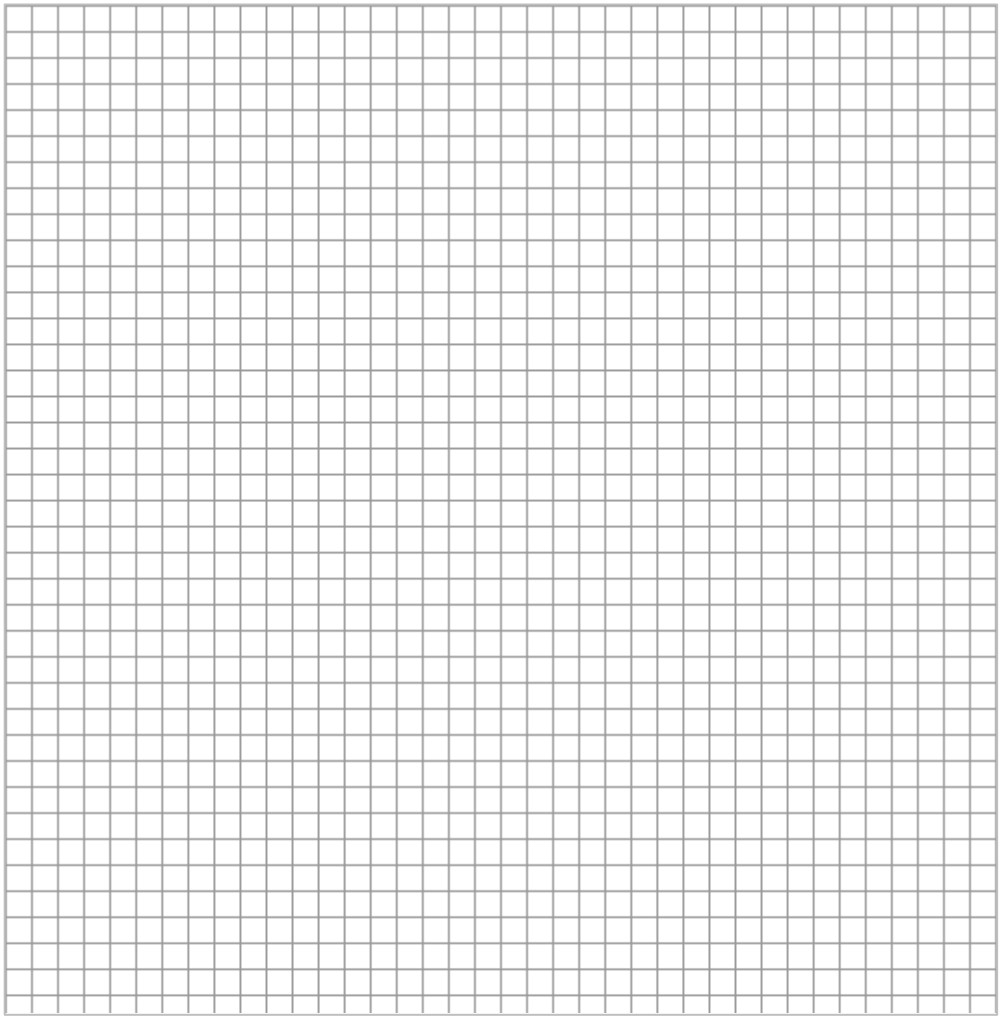
Site Plan and Typical Section – please attach copy with the following information:

- Date site evaluation was completed
- Name, address, telephone number of Owner and Designer
- Legal description of property, property lines and easements
- Show utility corridors (as applicable).
- Proposed location of sewage system
- Location of items in Column 1 of Tables 8.2.1.6.A & B
- Location of any unsuitable, disturbed or compacted areas.
- Access route for tank maintenance
- Depth to bedrock, high water table or unacceptable soil
- List soil properties and conditions
- Outline any potential for flooding (as applicable)

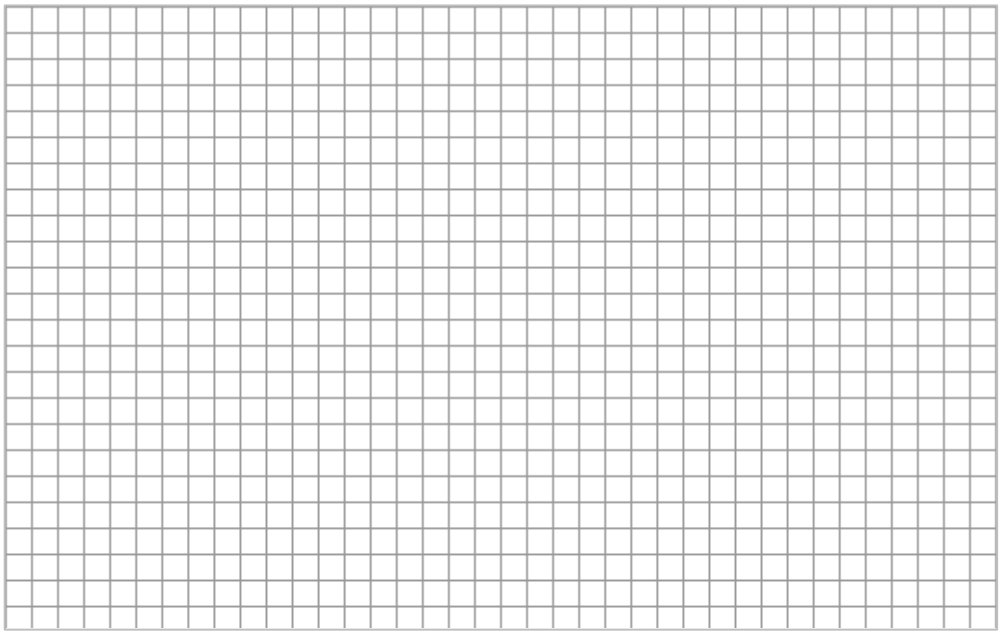
Typical Site Plan Drawing



Sewage System Site Plan



Sewage System Cross Section **(house,tank and tile bed elevations with exisiting and proposed grades)**



Inspector's Comments _____
_____