

Township of Algonquin Highlands **Building Department** 1123 North Shore Road Algonquin Highlands, Ontario, KOM 1J1 Tel.: (705) 489-2379 Fax: (705) 489-3491

Instructions for an **Application for a Sewage System Permit**

This Package Contains:

- 1. Ontario Building Code Application for a Permit to Construct or Demolish including Schedule 1 and Schedule 2
- 2. Proposed Sewage System Design & Calculation Sheet
- 3. Profile of a typical filter bed to be completed
- 4. Proposed Design Site Plan
- 5. As Constructed plan to be completed prior to final inspection

All forms provided in this package must be completed and returned to Building Department along with the following required documentation:

- 1. A Site Plan referencing an up to date survey, when available, or a drawing of the lot, neatly and accurately drawn, which shall indicate:
 - a) the dimensions of the lot (length, width);
 - b) the location and size of the proposed buildings & all existing buildings;
 - c) location of existing well(s), septic, easements (hydro, right of way etc.) & driveways;
 - d) the setbacks of proposed building(s) or addition(s) from all lot lines, road(s) and other buildings, and the high-water mark;
 - e) indicate any survey stakes that have been located;
 - f) the location and setbacks of the proposed septic tank, leaching bed and any pump chamber;
 - g) the loading area and 15m mantle;
 - h) eaves trough discharge;
 - i) topographical features including slope and direction of flow.
- 2. Any proposal for the use of a Class 4 treatment unit, other than a septic tanks, will require a copy of the B.M.E.C. approval for that system, and once completed will require submission of as constructed drawings and any maintenance agreement.
- 3. If the applicant is not the owner of the property, or there is more than one property owner, the owner(s) must provide a letter appointing the applicant as an authorized agent.
- 4. The required fees must accompany the application in accordance with the Township of Algonquin Highlands Fees and Charges By-law.

Note: Incomplete applications will not be accepted or reviewed and may be returned to the owner.

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 Street address Unit no. Lot/con. Municipality Postal code Province E-mail Telephone number Fax number Cell number C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C1 HVAC - House **Building Structural** House Small Buildings **Building Services** Plumbing - House Large Buildings Detection, Lighting and Power Plumbing - All Buildings Complex Buildings On-site Sewage Systems Fire Protection Description of designer's work D. Declaration of Designer 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: Firm BCIN: I review and take responsibility for the design 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.

Date Signature of Designer

NOTE:

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c).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.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, 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.

Schedule 2: Sewage System Installer Information

A. Project Information									
Building number, street name			Unit number	Lot/con.					
Municipality	Postal code	Plan number/ other descr	iption						
B. Sewage system installer		<u>.</u>							
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)									
, , , , , , , , , , , , , , , , , , , ,	Yes (Continue to Section C) No (Continue to Section E)								
C. Registered installer informatio	n (where answ	er to B is "Yes")	Loon						
Name			BCIN						
Street address			Unit number	Lot/con.					
Municipality	Postal code	Province	E-mail	,					
Telephone number	Fax		Cell number						
D. Qualified supervisor information	on (where answ	ver to section B is "Yes"	")						
Name of qualified supervisor(s)		Building Code Identification	n Number (BCIN)						
E. Declaration of Applicant:									
1				declare that:					
(print name)									
I am the applicant for the permit submit a new Schedule 2 prior to			er is unknown at time	of application, I shall					
<u>OR</u>									
I am the holder of the permit to c known.	onstruct the sewa	age system, and am submitti	ing a new Schedule :	2, now that the installer is					
I certify that:									
The information contained in this	schedule is true	to the best of my knowledge	Э.						
If the owner is a corporation or p	artnership, I have	e the authority to bind the co	rporation or partners	hip.					
Date		Signature of applicant							

Proposed Sewage System Design

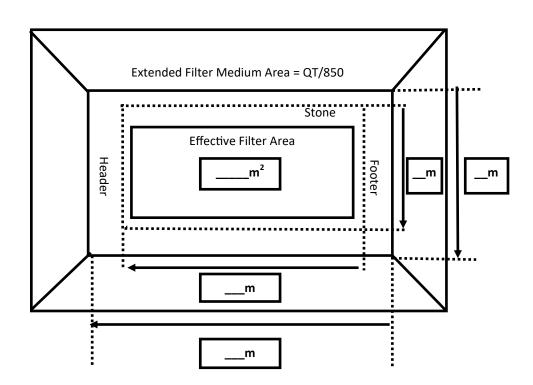
		-	1	ı		1					
	or 3 4	5	□ Install	 	est Hole Ready:	Yes	No				
System:		Ш	□ Repair	_	-						
Water Supply:				Est. Perd Bedrock High Wa Level	Perc Ratemin/cm rock Level m Water m te of Assessment: Soll CONDITION						
			Site I	nformat	ion						
Eivturo I	Jnit Type		Numb		Fixture Unit Value	Total					
		\	Nullik	JEI	6	SOIL CONDITION Depth (metres) Soil Type 0 0.5 1.0 1.5					
Bathroom Group ()									
2 Piece Powder R	oom				5.5						
Clothes Washer					1.5						
Laundry Sink					1.5	ts:m²LLLLL					
Kitchen Sink					1.5						
Other											
					Total Fixture Units:						
Total Number of Bedrooms (includes bunkies, lofts, etc.): Total Area of Living Space on Property (includes bunkies, lofts, etc.): Daily Sewage Flow Calculation: A. Base Flow from Number of Bedrooms: B. Each Additional Fixture Unit over 20: C. Additional Area of Living Space over 200m ² : i. Each 10m ² over 200m ² up to 400m ² : ii. Each 10m ² over 400m ² up to 600m ² : iii. Each 10m ² Greater Than 600m ² : D. Additional Bedrooms over 5: m ² L (max. 5) x50= L x50= L x50= L											
Tankia			1 Otal D		<u> </u>		L/day				
Tank(s) Septic Tank Size: [Jaily Sawaa	o Flow •	42 or 2	-	n Required	-	1				
<u> </u>	Jally Seway	e riow a	2 01 3		--	–					
Filter Bed Filter Bed Area:	>	3000L/c	lay Q÷75= _ lay Q÷50= _ ds:								
Distribution Type: Expanded Contact	Area: C					m ²					
if Raised, Height a	ibove exist	ing grad	de to botton		e layer: m						
				<u>OR</u>							
Request for Percolation If Raised, Height a	ge Flow (Q) Reduction: Rate of Fill above exist	Ty (if requir ing grad	ype red): de to bottom	min/cr	roposed:m _ Q x T÷300 = n e layer:m factor =m	m					
Loading Nate Ale	a – Dally St	Fwaye F	IOW / LUAUII	ig Nate F	actor =III						



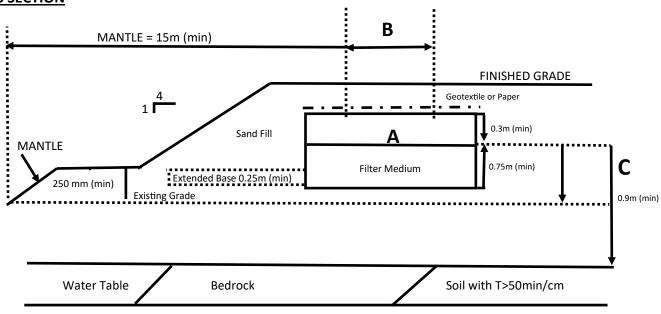
TYPICAL DRAWING—FILTER BED

PLEASE COMPLETE THE BLANKS

PLAN VIEW



CROSS SECTION



- A Filter Bed Type (Circle One) Pipe Chamber
- B Proposed horizontal offset Distance between Runs _____ m
- C Proposed depth of Excavation to Water Table/Bedrock _____ m

PROPOSED DESIGN SITE PLAN

Septic Tank & Leaching Bed

Pump Chamber

2.

Indicate North Point and show the following required information:

 Loading Rate A 15 metre Mant Proposed/Exist Water Supplies 	tle Area	9. Property 10. Foundat 11. Eavestro 12. Surface	tion Drain	14. 15.	lake, swamps etc.) Direction of Slope Direction of Surface and Ground Water Flow			
Owner/Installer/Designer Name		Signature	Signature					
		Office	e Use Only					
Approved:	Yes	No	File #					
Reviewed By:								
	Sewage System Inspecto	or Si	gnature		Date			

7. Existing Sewage Systems

8. Driveways

13. Topographical Features

(Steep slopes, water course,

As Constructed Plans for On-Site Sewage System

*This form must be completed and submitted prior to calling for final inspection

Perm	it No:	Installation Date:								
As Co	onstructed Plans prepared by	<i>/</i> :								
1.	Size of System based on _	Bedrooms, and/or Fixture Units								
	Area of Building:	_m ² Total Daily	Design Flow:	Litres						
2.	Septic Tank/Holding Tank v plastic/concrete/fiber glass.		litres, cor	nstructed of						
3.	Distribution Pipe:									
	Absorption Trench:	_ Filter Bed Sys	tem: Other							
	Filter Bed Area:	_m² Filter San	d Contact Area:	m²						
	Filter Sand Tonne:	Number o	f Runs:							
	Length of Runs:	Metres								
	Trench Bed Total Lineal Me	etres:	Number of Runs:							
	Gravity:	Siphon:								
	Pump Make:		Pump Size:	HP						
	Pump Chamber Size:	Litres								
	Loading Rate Area:	m ²								
	15 Metre Mantel Constructe	ed: Yes/No								
4.	Commercial Details:									

											
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