



CHECKLIST: PERMIT APPLICATION FOR A NEW OR REPLACEMENT CLASS 2 OR CLASS 3 SEWAGE SYSTEM

Sewage system permit applications must include the **below items in bold** to be accepted by Building Services. Applications may be refused if items are missing, not readable, or are incomplete.

- ☐ 1) **Two (2) page Building Permit Application to Construct or Demolish form**
- ☐ 2) **Schedule 1: Designer Information form**
- ☐ 3) **Schedule 2: Sewage System Installer Information form**
- ☐ 4) **Schedule 3: Site Evaluation form (information on in-situ soils and imported material)**
- ☐ 5) **Schedule 4: Design Criteria form (Daily Design Sewage Flow calculations)**
- ☐ 6) **Schedule 5: Proposal to Construct form (sewage system design details)**
- ☐ 7) **Schedule 6: Site Plan Diagram – must show the following:**
 - the total dimensions/area of the property and an arrow indicating North,
 - the location, dimensions and area of the sewage system in relation to the property,
 - the street or lane name, address and driveway location,
 - distance from any of the following items to the sewage system: nearby wells (on property and/or neighbouring), property lines, existing and/or proposed structures (including existing sewage system), the high water mark, watercourse, any other waterbody, overhead power lines.
- ☐ 8) **Owner's Responsibilities form**
- ☐ 9) **Agent Authorization form (not needed if homeowner is applicant/installer)**
- ☐ 10) **Construction drawings of the floor plan (new build) or a floor plan sketch (replacement system) showing all floors of the dwelling with exterior dimensions, room labels and a list of plumbing fixture types per room. Only one (1) set of drawings and a PDF copy is needed if the drawing set is legible at 11" x 17" or smaller.**

A PDF copy of item 10 must be submitted electronically at the time of application.

Any of the following items related to the property may also be requested as part of your permit application package: the deed or recent tax bill (proof of property ownership), the most recent land survey, the well record, and if applicable, a copy of the Development Agreement. A copy of the current BMEC authorization may be required for an approved innovative sewage system.

Conservation Authority's (CA) regulated area per O. Reg. 41/24 – for any project on your property that is close to or within the appropriate CA's regulated area, you must provide either:

- a copy of the approved permit from the CA for this project, or
- written confirmation (email) from the CA that a permit is **not** required from their office for this project.

New Sewage Systems: your project will be reviewed by South Frontenac's Planning Services for compliance with our Zoning By-law; if approved, you will be issued a Planning Compliance Certificate.



For use by Principal Authority				
Application number:		Permit number (if different):		
Date received:		Roll number:		
Application submitted to: Township of South Frontenac (Name of municipality, upper-tier municipality, board of health or conservation authority)				
A. Project information				
Building number, street name			Unit number	Lot/con.
Municipality	Postal code	Plan number/other description		
Project value est. \$		Area of work (m ²)		
B. Purpose of application				
New construction	Addition to an existing building	Alteration/repair	Demolition	Conditional Permit
Proposed use of building		Current use of building		
Description of proposed work				
C. Applicant				
Applicant is: Owner or Authorized agent of owner				
Last name		First name	Corporation or partnership	
Street address			Unit number	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number	ext.	Fax	Cell number	
D. Owner (if different from applicant)				
Last name		First name	Corporation or partnership	
Street address			Unit number	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number	ext.	Fax	Cell number	

E. Builder (if known)				
Last name		First name	Corporation or partnership (if applicable)	
Street address			Unit number	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number ext.	Fax		Cell number	
F. New home construction licensing requirement				
i. Is the proposed construction for a new home as defined in the <i>New Home Construction Licensing Act, 2017</i> ? If no, go to section G.			Yes	No
ii. Is a licence required under the <i>New Home Construction Licensing Act, 2017</i> ?			Yes	No
iii. If yes to (ii) provide licence number(s): _____				
G. Required Schedules				
i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities.				
ii) Attach Schedule 2 where application is to construct on-site, install or repair a sewage system.				
H. Completeness and compliance with applicable law				
i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted). Payment has been made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the <i>Building Code Act, 1992</i> , to be paid when the application is made.			Yes	No
ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> .			Yes	No
iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.			Yes	No
iv) The proposed building, construction or demolition will not contravene any applicable law.			Yes	No
I. Declaration of applicant				
I _____ declare that: (print name) - The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge. - If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership. _____ Date Signature of applicant				

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 12th Floor. Toronto, ON M7A 2J3 (416) 585-6666.

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		
Street address			Unit no.	Lot/con.
Municipality	Postal code	Province	E-mail	
Telephone number ext.	Fax number		Cell number	
C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division 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				
D. Declaration of Designer				
I _____ 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:

1. 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.
2. 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 Professional Engineers Ontario.

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 ext.	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; <u>OR</u> 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: Site Evaluation Form

APPROXIMATE SOIL PERCOLATION RATES (T-time)

The following are **estimated** ranges of soil percolation rates (T-times) measured in a rate of min/cm. Actual on-site soil conditions may vary significantly from estimates; it can be difficult to tell a 30 from a 50 just by looking at it.

Estimated T-times shall be determined by samples analyzed by the Unified Soil Classification System, the Soil Texture Classification from the USDA Soil Survey Manual, or percolation tests being conducted on in-situ soils.

Disputes about estimated T-times shall be resolved by sending in-situ soil samples to a Canadian Council of Independent Laboratories testing firm at the applicant's cost. The T-time will be determined by the falling head test and grain size analysis; the percent passing the 75 µm #200 sieve is to be included for silt content.

Soil Type	Sand	Sandy Loam	Loam	Silty Loam	Clay Loam	Silt - Clay	Clay
T-time (min/cm)	10	12 - 20	17 - 25	20 - 30	30 - 40	40 - 50	50+

Sub-surface conditions encountered:		Applicant's Use		Approved by Inspector
Indicate <u>depth</u> to bedrock, T>50, &/or high ground water table (where present):	<u>Depth (m)</u>	<u>Soil type</u>	<u>T-time</u>	☐ Yes ☐ No

IMPORTED SEPTIC STONE AND LEACHING BED FILL CERTIFICATION

I, _____, certify that the materials used to construct the sewage system, under the application herein, meet Ontario Building Code requirements, and correspond to the percolation rate on the application and the soils analysis provided to the Township of South Frontenac:

NAME / NUMBER OF LICENSED AGGREGATE PIT	TYPE OF MATERIAL	T-TIME / SILT CONTENT	TESTING DATE (mm/dd/yyyy)
		/	
		/	
		/	

Note: *Leaching bed fill* means soil used to construct of conventional and chamber leaching beds, filter beds, dispersal beds, and area beds as prescribed under specific Building Materials Evaluation Commission authorizations. It may not include a requirement for other soils as prescribed by treatment unit manufacturers; check with the manufacturer before installation. The silt content of *leaching bed fill* must be included in the analysis.

The Township of South Frontenac may require you to submit soil samples for analysis.

Signature of Authorized Agent or Owner

Date

Schedule 4: Design Criteria

DESCRIPTION	DWELLING				OTHER: _____			
	Total # of Existing	Total # of Proposed	# UNITS PER FIXTURE	TOTAL FIXTURE UNITS	Total # of Existing	Total # of Proposed	# UNITS PER FIXTURE	TOTAL FIXTURE UNITS
Bathtub or shower			x 1.5 =				x 1.5 =	
Additional sinks			x 1.5 =				x 1.5 =	
Kitchen sink			x 1.5 =				x 1.5 =	
Dishwasher			x 1.0 =				x 1.0 =	
Laundry tub			x 1.5 =				x 1.5 =	
Other: _____			x =				x =	
FIXTURE UNITS	Total				Total:			
FINISHED FLOOR AREA m²								
# OF BEDROOMS			Total:				Total:	

DESIGN FLOW CALCULATION TABLE				
Residential Occupancy			Volume (L)	Flows
Pressurized water supply (A)	Per fixture unit		200	
No pressurized water supply (B)	Per fixture unit		125	

Daily Design Sewage Flow, Q = _____ litres/day (A or B)
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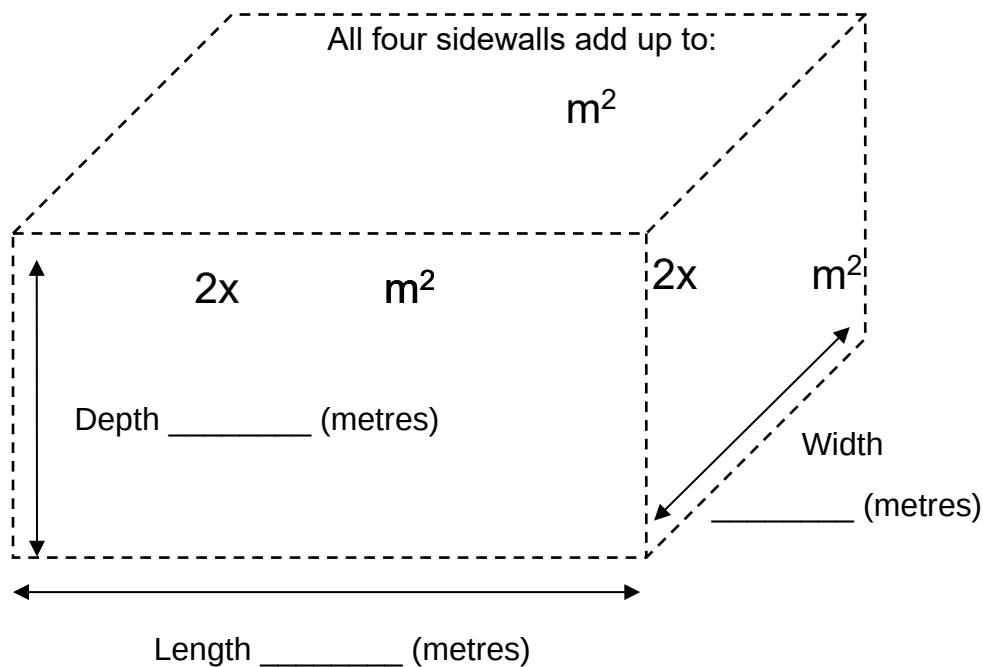
- Class 2 and 3 sewage systems are meant for seasonal dwellings with low human occupancy most of the year. Both types of sewage system are only for disposal of waste with no intentional treatment occurring.
- (A) – a pressurized water supply is any water supply that uses mechanical action (i.e. a pump) to bring water into the plumbing system from a larger water source such as a well, lake, river, etc.
- (B) – no pressurized water supply is a water supply that is finite and is typically brought in by the occupants. This can be anything from bottled water to a gravity feed system from a watertight container.

Schedule 5: Proposal to Construct

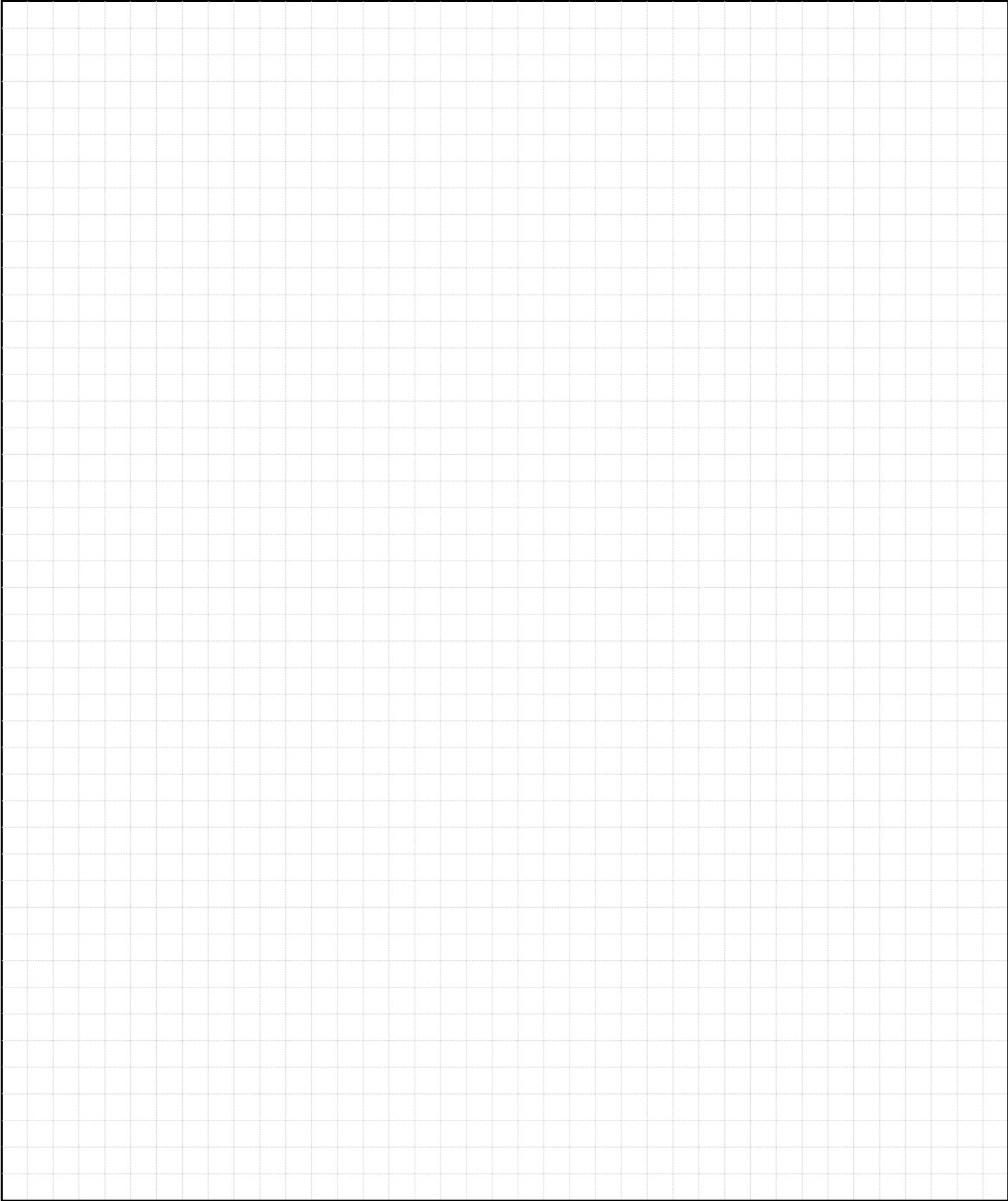
Water Supply: ☐ Proposed ☐ Existing			
☐ Lake ☐ Shore well	☐ Drilled well Casing depth: _____ m	☐ Dug well ☐ Sandpoint	☐ Other (specify): _____

Provide proposed information rather than minimum requirements:

☐ Class 2 Greywater Pit ☐ Class 3 Cesspool (Q cannot exceed 1000 litres/day)			
Type of Class 1 on site:	☐ Privy ☐ Composting ☐ Chemical ☐ Other: _____		
Wall structure:	☐ Cement block ☐ Rock ☐ Wood ☐ Other: _____		
T-time (min/cm) of existing soil: _____	Type of cover: _____	Pump required? ☐ No ☐ Effluent ☐ TBD	
Side wall loading rate: $L_R = \frac{400}{T} =$ _____	Minimum sidewall area: $A = \frac{Q}{L_R} =$ _____ m ²		
Length: _____ m	Width: _____ m	Depth: _____ m	



Schedule 6: Site Plan Diagram





**SOUTH
FRONTENAC**

Building Services
4432 George Street, Box 100
Sydenham, ON K0H 2T0
(613) 376-3027
building@southfrontenac.net

OWNER RESPONSIBILITIES

Property owner(s): _____

Project address: _____

Phone number: _____ Email: _____

Roll number: _____

Lot/concession: _____ Registered Plan number: _____ Part(s): _____

To the Township of South Frontenac,

I declare that: I am the property owner listed above, or

I am the authorized agent of the property owner listed above.

As the property owner/authorized agent, I hereby acknowledge the following:

- The issuance of a Building Permit and/or a general site review by Building Services staff is not confirmation that all zoning setbacks have been adhered to. This includes but is not limited to separation of structures to the high water mark, lot lines, sewage systems, and other structures. It is understood that it is the sole responsibility of the property owner/authorized agent to meet the setback requirements set out in the South Frontenac Zoning By-law 2003-75, and
- Permit drawings and documents submitted with errors or omissions contained therein do not relieve the property owner and/or authorized agent from the responsibility of completing all work to meet or exceed the requirements of the Ontario Building Code, and
- The property owner(s) are obligated to arrange for the inspections indicated on the permit card issued for the project, and that no work will proceed until the Building Inspector has inspected the various stages of construction indicated on the permit card, and
- An Occupancy Permit **must be issued by a Township Building Official prior to any occupancy** of a seasonal or permanent residence, and
- If the property owner is a corporation or partnership, I have the authority to bind the corporation or partnership.

Building Permit Applicant Signature

Date

Note: the Ontario Building Code Act requires that any request for inspection is made at least two (2) regular business days in advance of the regular business day upon which the inspection is needed.



**SOUTH
FRONTENAC**

Building Services
4432 George St, Box 100
Sydenham ON, K0H 2T0
613-376-3027
building@southfrontenac.net

Agent/Owner Authorization Form

Permit #: PR

A. Project location:

Street address:

B. Authorized agent of owner:

Last name:

First name:

Corporation/partnership:

Street address:

Postal code:

Province:

Phone number:

Cell number:

E-mail:

C. Parties authorized to receive inspection reports:

Company/Contractor	Contact email	Trade specific reports	All reports
		☐	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

D. Declaration of Owner:

I, _____, being the registered owner of the above noted property hereby authorize the party stated in Section B of this form to make application for permit on my behalf to Building Services of the Township of South Frontenac in accordance with the applicable requirements of the Ontario Building Code for the purpose of the identified project.

All parties identified in Section C are hereby authorized to receive inspection reports as outlined above.

- ☐ I, as the registered owner of the above noted property, wish to be copied on all communication throughout the application and review process.
- ☐ I, as the registered owner of the above noted property, wish to receive a copy of all inspection reports.

Date:

Signature:

Note: It is the responsibility of the owner/authorized agent to provide the contact information in Section C and to update this information if there are any changes. If this information is not provided, any assigned inspection reports will only be sent to the applicant for the above noted project.

