| **Water Supply:** ❑ **Proposed** ❑ **Existing** | | | |
|---|---|---|---|
| ❑ Lake<br>❑ Shore well | ❑ Drilled well<br>Casing depth: _____ m | ❑ Dug well<br>❑ Sandpoint | ❑ Other (specify):_____ |

## 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 depth to bedrock, T>50, &/or high ground water table (where present): | Depth (m) | Soil type | T-time | ❑ Yes<br>❑ No |

## IMPORTED SEPTIC STONE AND LEACHING BED FILL CERTIFICATION

I, _____ (Registered Installer under Section 3.3 of the Building Code Act), verify that the material used in the construction of the sewage system, under the application herein, meets the requirements of the Ontario Building Code, the percolation rate identified on the application and the soils analysis provided to the Township of Havelock-Belmont-Methuen for:

| NAME / NUMBER OF LICENSED AGGREGATE PIT | TYPE OF MATERIAL | T-TIME / SILT CONTENT | LAST TESTING DATE (d/m/y) |
|---|---|---|---|
| | | / | / / |
| | | / | / / |
| | | / | / / |

**Note:** *Leaching bed fill* means soil used for the construction 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 Havelock-Belmont-Methuen may require you to submit soil samples for analysis.

Licensed installer's signature _____ Date _____

## Class 2 and 3

## 4B: 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 =** | |
| Clothes Washer | | | **x 1.5 =** | | | | **x 1.5 =** | |
| Laundry tub | | | **x 1.5 =** | | | | **x 1.5 =** | |
| Other:_____ | | | **x . =** | | | | **x . =** | |
| **FIXTURE UNITS** | Total: | | | | Total: | | | |
| **FINISHED FLOOR AREA m²** | Existing | Proposed | Total | | Existing | Proposed | Total | |
| **# 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 =_____ liters/day (A or B)**

## Class 2 and 3

## 5B: Proposal to Construct

Propose to _____ a Class _____ sewage system to serve _____
(construct, install, alter, extend, enlarge, replace, etc.) (facility: e.g. single family dwelling, motel, etc.)

Is the land currently vacant? YES ☐ NO ☐ Additions/renovations proposed? YES ☐ NO ☐

If replacing, is there a permit for the system on the property? YES ☐ NO ☐ Permit # _____

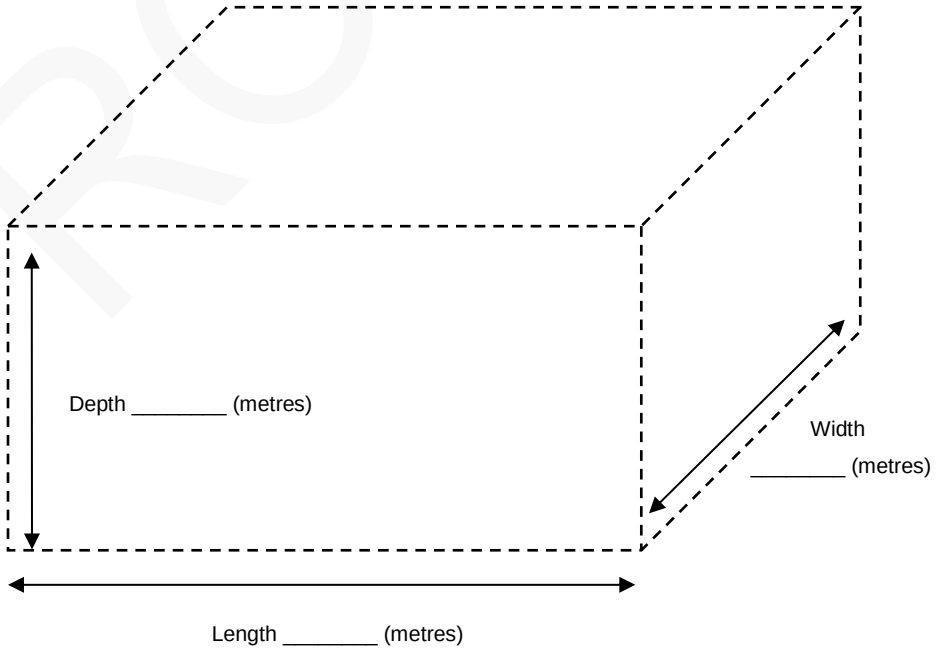
Is the existing system failing? YES ☐ NO ☐ Explain: _____

Is there more than one system on the property? YES ☐ NO ☐ Permit # _____

Will the proposed system service more than one building? YES ☐ NO ☐ List: _____

**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: $L_R = \frac{400}{T} =$ _____ | Total side wall area: $A = \frac{Q}{L_R} =$ _____ $m^2$ | | |
| Length: m | Width: m | Depth: m | |



TOWNSHIP OF
HAVELOCK · BELMONT · METHUEN
INC. 1998

## Agent/Owner Authorization Form

**A. Project Information**

Street Address: _____

Proposed project:

_____

_____

**B. Party to be authorized**

Name: _____

Corporation or Partnership: _____

Address: _____ Lot/Con: _____

Phone #: _____ Cell #: _____ Email: _____

**C. Declaration of Owner**

I, _____ , being the Registered Owner of the above property hereby authorize the party stated in Section B of this form to make application for permit on my behalf to Building Department of the Township of Havelock-Belmont-Methuen in accordance with the applicable requirements of the Ontario Building Code for the purpose of the identified project.

Date: _____ Signature: _____

The Ontario Building Code states that “owner includes, in respect of the property on which the construction or demolition will take place, the registered owner, a lessee or mortgagee in possession”.

**Note:** This form is valid only for one access to Building Permit record application. Subsequent applications by an authorized agent will require a new agent authorization form completed by the current property owner.