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To: Town of Penetanguishene

Attn: Owen Taylor

From: Penny Brake

Date: Aug. 1, 2023

Re: 120 Military Road Garden Suite Septic Feasibility

We have been asked by Gerard and Lisa Forget to complete a septic feasibility letter for a sewage system for a proposed Garden Suite on the property at 120 Military Road.

The proposed Garden Suite will have the following that will impact the design of the septic for the Suite:

2 bedrooms

1 3-pc bathroom

1 kitchen sink

1 washing machine

Finished floor area of 66.42 m².

Based on the above the suite will require a septic system that will be able to handle 1100 litres per day. The soils in this area are a sand gravel mix with an assumed T-time of 12.

A septic system for this would consist of a 3600 litre septic tank and a minimum 14.67 m² filter bed. The filter bed will be sized to be consistent to the expanded base required based on the calculation of $1100 \times 12 / 850 = 15.53$ m².

The native loading area can support the inflow from this system at 110 m². The location for the install complies with all setbacks to dwellings, property lines and water source as required by the Ontario Building Code.

Regards,

Penny Brake

Penny Brake BCIN 100092

Onsite Septic Solutions BCIN 18382