



February 21, 2024

Septic Report
Township of Wainfleet

65050 Marshagan Rd
Wellandport, ON
L0R 2J0

The above property was visited by Egger Excavating Ltd on June 21, 2023 in regards to sizing the existing septic system to allow for a proposed home addition. Property consists of clay soil with a T-time of 50.

The current system is comprised of the following;

1-3600 L -2 compartment septic tank

Septic tank is gravity fed to a raised absorption trench bed consisting of 10- 20m long runs. At the time of inspection, no 15m sand mantle was found. There were no signs of leaking or malfunctioning.

Current system measures to OBC regulation of 750 LPD.
Proposed flow rate after the addition is calculated at 2700 LPD.

Proposed changes to the system to meet OBC;

- Removal of existing 3600L septic tank and replacing it with 5625L septic tank.
- Construction of a new class 4 raised filter bed measuring 675m²

See attached drawing for location of current system.

65050 MARSHAGAN RD, WAINFLEET TOWNSHIP

Fixture Count

Bath Group $2 \times 6 = 12$
Kitchen Sink $2 \times 1.5 = 3$
Dishwasher $2 \times 1.5 = 3$
Laundry $2 \times 1.5 = 3$
Laundry sink $1 \times 1.5 = 1.5$
 22.5 (+125)

Bedrooms
5 = 2500

Square Footage
218m² (+200)

Total Q=2700

Required by OBC

Tank=2700(2)=5400L
Extended Contact= $2700/4=675\text{m}^2$
Contact Medium= $2700(50)/850 = 159\text{m}^2$
Stone/Pipe area= $2700/75=36\text{m}^2$

Lyndsey Vanderburgh



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