



Stantec Consulting Ltd.  
10220 103 Ave NW, Edmonton, AB T5J 0K4

October 28, 2020  
File: 110170012

**Attention: Resident**  
Summer Village of Ross Haven

Dear Sir or Madam,

**Reference: Ross Haven Wastewater Collection and Transmission Main – Open House Invitation  
November 16, 2020 from 7:00-8:30 pm**

On behalf of the North 43 Lagoon Commission, we are pleased to invite you to attend the virtual open house for the Ross Haven Wastewater Collection and Transmission Main. In anticipation of upcoming construction, we would like to present you with an introduction to the project, a heads up on anticipated timing, and detailed information on future responsibilities. After the brief presentation we will close with a question and answer period for your comments. The following pages are intended to provide further information and will be referenced during the presentation.

The open house will be held via a Microsoft Teams Meeting with options to join by phone or video conference. To join the meeting, please call the number below and enter the conference ID. You may also email the contact below to request a Teams Meeting direct link to join online. Technical support for joining the meeting will be available to you at 6:30 pm and the meeting will begin at 7:00 pm.

### Microsoft Teams Meeting

+1 587-414-2460 Canada, Edmonton (Toll)

(833) 266-3861 Canada (Toll-free)

Conference ID: 177 595 377#

Sincerely,

**Stantec Consulting Ltd.**

**Samuel Fritz, E.I.T.**

Project Coordinator

Phone: 587-920-4407

Email: sam.fritz@stantec.com



# Introduction

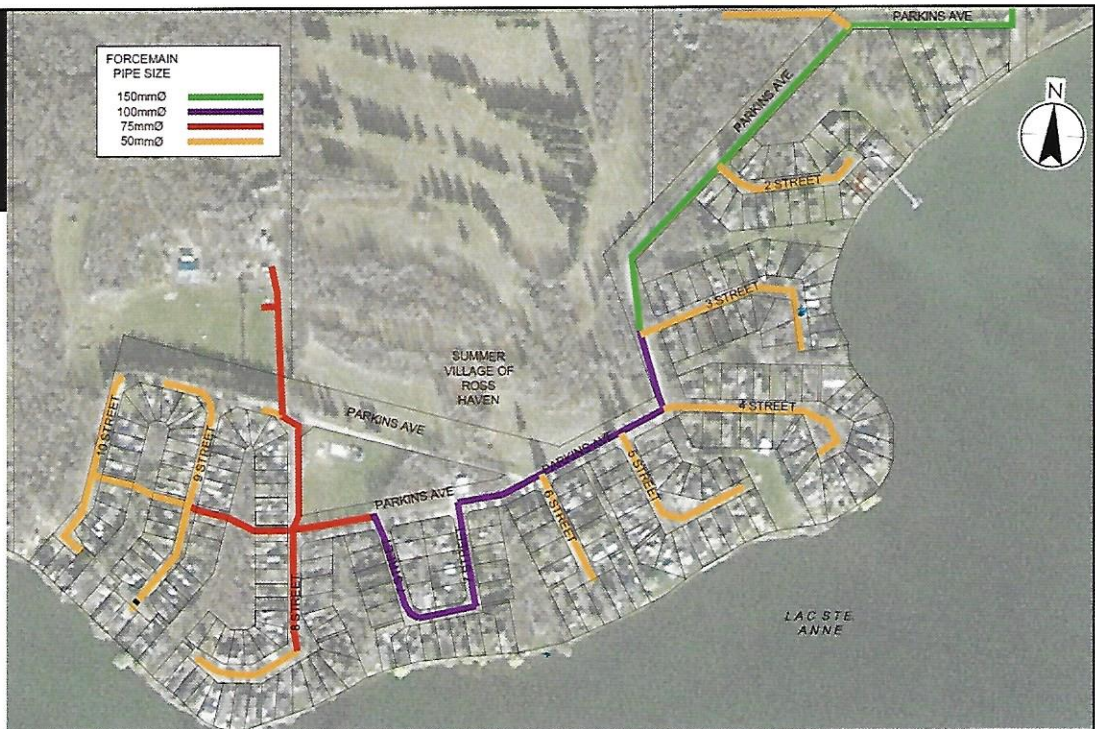
The Summer Village of Ross Haven currently uses holding and septic tanks to manage private wastewater. As part of the North 43 Lagoon Commission regional wastewater collection initiative, the Summer Village of Ross Haven plans to install a Septic Tank Effluent Pumping (STEP) low-pressure force main system to ensure that the wastewater from the community does not enter the groundwater and ultimately, Lac Ste. Anne. Wastewater from each residence will be pumped by each homeowner to the North 43 Lagoon facility located north of the Summer Village of Ross Haven



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## Overall Alignment

See pages 12-14



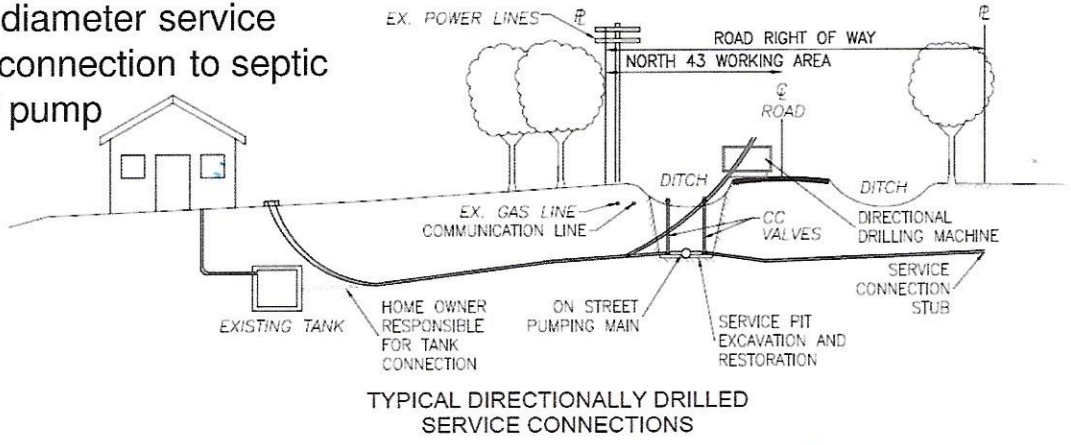
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**Design Concept**

# Lot Servicing

- Drill lines 5 meters into property
- 38.5mm diameter service
- Stub for connection to septic tank and pump



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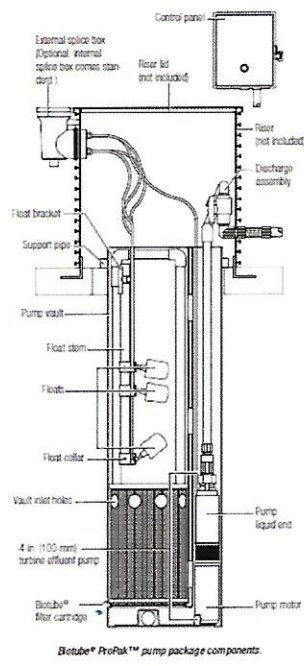
**Design Concept**

# Pump Specification

- Orenco PF 10051x series, 100mm submersible effluent pumps
- Available Voltage Required

See pages 14-18

**60-Hz Series Pump Packages**



**Applications**

The Biotube ProPak is designed to filter and pump effluent to either gravity or pressurized discharge points. It is intended for use in a septic tank (one or two compartments) and can also be used in a pump tank. The Biotube ProPak is designed to allow the effluent filter to be removed for cleaning without the need to remove the pump vault or pump, simplifying servicing. Complete packages are available for on-demand or timed dosing systems with flow rates of 10, 20, 30, and 50 gpm (6.6, 1.3, 1.9, and 9.2 L/sec), as well as with 50 Hz and 60 Hz power supplies.

**General**

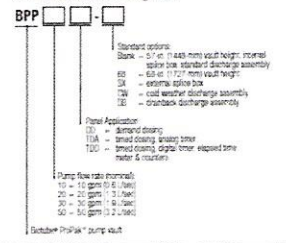
Orenco's Biotube ProPak™ is a complete integrated pump package for filtering and pumping effluent from septic tanks. And its patented pump vault technology eliminates the need for separate dosing tanks. This document provides detailed information on the ProPak pump vault and filter. 4 in. (100 mm) 60-Hz turbine effluent pump, and control panel. For more information on other ProPak components, see the following Orenco technical documents:

- Float Switch Assemblies (NTD MF MF 1)
- Discharge Assemblies (NTD HV HW 1)
- Splice Boxes (NTD SB SB 1)
- External Splice Box (NTD SB SB 1)

**Standard Models**

BPP100D, BPP200D, BPP300D, BPP500D, BPP100TA, BPP300TD, SX, BPP500TA, BPP500TD, SX

**Product Code Diagram**



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