



North 43 Lagoon Commission Gunn Regional Sanitary System

On-lot Service Connection

A two compartment septic tank of 750 gallon working capacity is recommended for each lot to be serviced. For the existing single compartment tanks, additional vault chamber will need to be installed beside the tank to allow for screening the effluent from solids.

Orenco pump, model PF1005 (1/2 Hp, 60 Hz) is considered as the most suitable pump for the sanitary system that is being installed. This pump is universally appropriate for all the communities connected to the system, which is capable of pumping septic effluent directly to the lagoon. This eliminates the need for a lift station. This pump comes in both 120 and 240 voltage (model PF100511 and PF100512 respectively).

The following are the key components of a complete assembly that need to be installed for each connection:

- Septic Tank
- Pump assembly (pump, vault, float, discharge pipe, control panel).

The service pipe is 40mm HOPE DR 11 (outer dia. of pipe 50mm).

Refer to the following detail drawings and technical data sheet for the component details and installation guidelines specific to the Owner's condition:

Drawings by Orenco System:

- Dwg. No. EDW-TD-3, Effluent Pumping System - 2⁰⁰ Compartment Drawdown
- Dwg. No. EDW-TD-4, Effluent Pumping System - Dual Compartment Drawdown
- Dwg. No. EDW-TD-16, Effluent Pumping System - Basin Effluent Pumping System
- Dwg. No. EDW-TD-17, Effluent Pumping System - Basin Effluent Pumping Assembly

Technical Data Sheet by Orenco System:

- PF Series 60-Hz, 4-inch (100mm) Submersible Effluent Pumps (pump model PF100511 and PF100512 as applicable)
- Universal Biotube Pump Vaults
- Float Switch Assemblies
- Discharge Assemblies
- S-Series Simplex Control Panels
- External Splice Box
- Installation Manual

[Note: Equivalent alternative pump assembly will be considered for approval. System must be installed by a licensed installer. A permit from the Commission must be obtained prior to installations.]

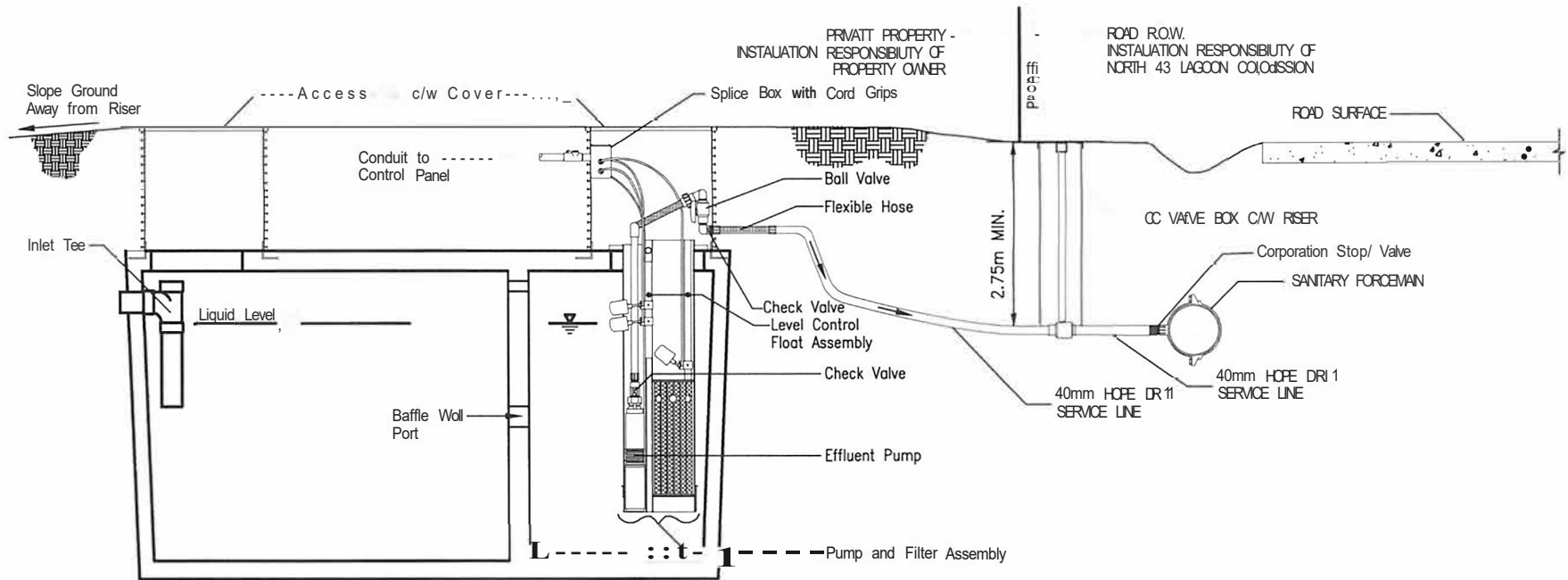
**North 43 Lagoon Commission
Gunn Regional Sanitary System
On-Lot Service Connection for Residential Units**

- OPUS

#140, 2121 Premier Way
Sherwood Park, Alberta
780.410.2580

File : S-38072

Date: 2018-06-14



SCALE: N.T.S.

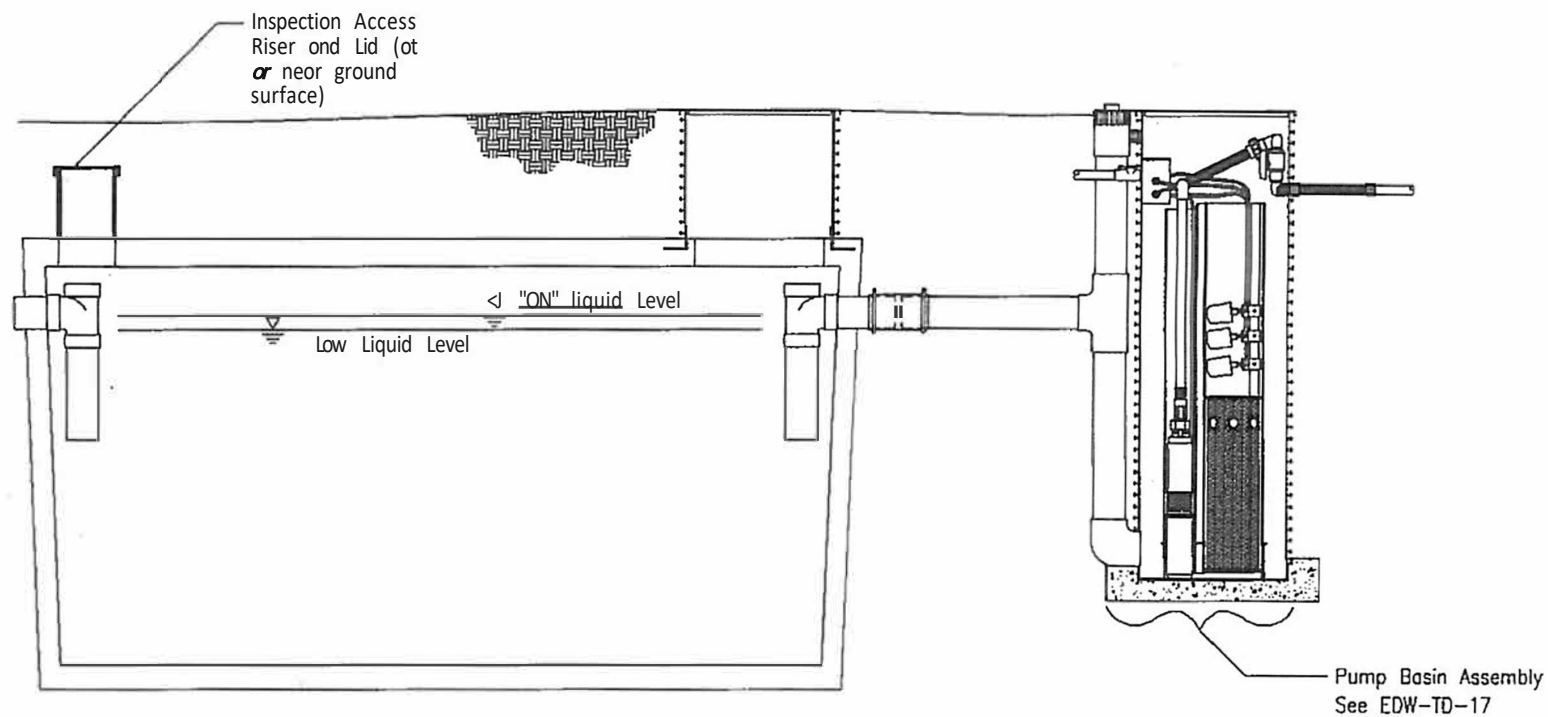
Basin with Effluent Pumping System



Oreco Systems
Incorporated

614 ARWAY AV(NU)
S/ITHERUN, OREGON
97479-9012

TELEPHONE
(501) 459-4449
FACSIMILE:
(5(1) 459-2884



Patents H 4,439,323 & 5,492,635
Foreign Potents Pending
1997, Oreco Systems, Inc.

EDW-TD-16
Rev. 1.0 (2/98)

Basin with Effluent Pumping Assembly

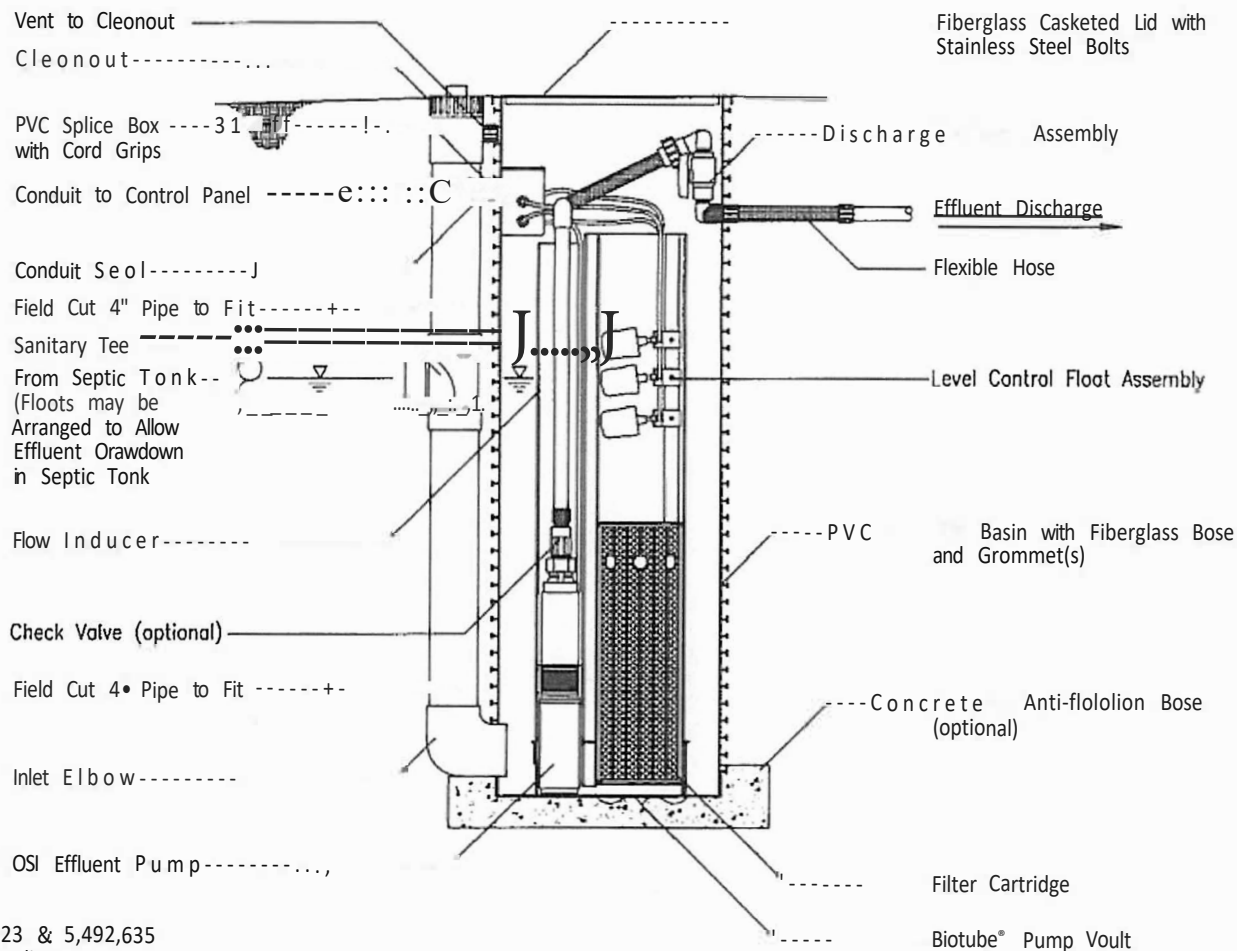


Oreco Systems®
Incorporated

814 AIRWAY AVENUE
SUTHERLIN, OR(GON)
97479-9012

TELEPHONE:
(541) 459-4449

FACSIMILE:
(541) 459-2884



Patents H 4,439,323 & 5,492,635
Foreign Patents Pending
© 1997, Oreco Systems, Inc.

EDW-TD-17
Rev. 1.0 (2/98)