

PROPOSED SEWERAGE SYSTEM DESIGN FOR

602 HIGHWAY 3A,

KALEDEN, B.C., V0H 1K0

PREPARED FOR: PHYLLIS JMAEFF

DATE: MAY 25, 2023



Report By:

Twin Lakes Contracting Ltd.
167 Range Road
Kaleden, B.C., V0H 1K0
250 497-8470
Rick Ronning, R.O.W.P.

TABLE OF CONTENTS

1.0 General Information.....3

2.0 Overview/Rationale.....3

3.0 Soil Evaluation.....4

4.0 Perk Test Results.....5

5.0 Septic System Design.....5

 5.1 Design Parameters.....5

 5.2 Dispersal Bed.....5

 5.3 Distribution.....6

 5.4 Pump System & Flow rates.....6

 5.5 Control Panel.....7

 5.6 System Tankage & Components.....8

 5.7 Design / Installation Notes.....8

6.0 Conclusion.....9

List of Figures

Figure 1 : Proposed System Layout & Plot Plan.....10

Figure 2 : Dispersal Bed Layout.....11

Figure 3 : Dispersal Bed Cross-Section.....12

List of Appendices

Appendix A : RDOS Parcel Viewer Drawing.....13

Appendix B : 1000 lgal Septic Tank Specs.....14

Appendix C : 600 lgal Pump Chamber Specs.....15

Appendix D : Eljen Geotextile Sand Filter Introduction Sheet.....16

Appendix E : Property Owner’s Declaration.....17

Appendix F: Statement of General Conditions.....18

Appendix G: Record of Sewerage System.....20

Appendix H: Record of Sewerage System Receipt.....21



1.0 General Information:

Registered Owner: Phyllis Jmaeff (copy of Title Search on file)

Property Roll Number: 17-715-06642.000

Parcel Identifier (PID): 025-566-954

Legal Description: Lot A, Plan KAP71273, District Lot 2531, Land District 54

Civic Address: 602 Highway 3A, Kaleden, B.C.

Owner Mailing Address: Box 113, Kaleden, B.C., V0H 1K0

Phone: 250.497.8209

Facility: New Cabins

Living Area per Cabin: 50.6 m² (~ 545 ft²)

Number of Bedrooms per Cabin: 1

Lot Size: 64.1 Ha (158.4 acres)

Domestic water supply – Well

2.0 Overview/Rationale:

Phyllis Jmaeff is planning to construct some cabins on her property. Phyllis plans to start with the construction of 2 cabins and potentially construct 6 more cabins in the future.

The cabins will have 1 bedroom and be approximately 545 ft² in size. Since the first 2 cabins will be located at an elevation below the dispersal field area, a lift station will be required.

The soils throughout the proposed dispersal field area are a loamy sand with a loose to friable consistency. In order to accommodate the current 2 cabins, as well as, the proposed future cabins, I am proposing a Type 2, dispersal system. In fact, any additional dispersal fields for future cabins will have to be Type 2 systems in order for them to fit the available area.

I am proposing a system that uses a geotextile sand filter technology manufactured by the Eljen Corporation. Using the Eljen GSF system will provide Type 2 effluent at the infiltrative surface and enable a reduced installation footprint.

The Eljen GSF system provides Type 2 effluent treatment and requires minimum maintenance, unlike other Type 2 Package Treatment Plants that incorporate moving parts or air pumps for example.



3.0 Soil Evaluation:

Test Hole #1 (TH-1): Lat 49.370536, Long -119673281

- | | |
|--------------|--|
| 0 to 15 cm | Organics and loam, moderate granular structure, slightly moist, loose to friable consistency, lots of roots, dark brown color, cobbles < 5%. |
| 15 to 75 cm | Loamy sand, moderate granular structure, moist with a loose to friable consistency, some roots, brown color, cobbles ~ 15%. |
| 75 to 245 cm | Gravelly sands, single grain, fairly dry, loose to slightly hard consistency, odd fine root, grey color, cobbles ~ 25%. |

Test Hole #2 (TH-2): Lat 49.370616, Long -119673067

- | | |
|--------------|--|
| 0 to 18 cm | Organics and loam, moderate granular structure, slightly moist, loose to friable consistency, lots of roots, dark brown color, cobbles < 5%. |
| 18 to 80 cm | Loamy sand, moderate granular structure, moist with a loose to friable consistency, some roots, brown color, cobbles ~ 15%. |
| 80 to 245 cm | Gravelly sands, single grain, fairly dry, loose to slightly hard consistency, odd fine root, grey color, cobbles ~ 25%. |

Test Hole #3 (TH-3): Lat 49.370550, Long -119673004

- | | |
|--------------|--|
| 0 to 20 cm | Organics and loam, moderate granular structure, slightly moist, loose to friable consistency, lots of roots, dark brown color, cobbles < 5%. |
| 20 to 75 cm | Loamy sand, moderate granular structure, moist with a loose to friable consistency, some roots, brown color, cobbles ~ 15%. |
| 75 to 245 cm | Gravelly sands, single grain, fairly dry, loose to slightly hard consistency, odd fine root, grey color, cobbles ~ 25%. |

Note: See Figure 1 for approximate test hole locations.



4.0 Perk Test Results:

Perk Test #1 (PT-1):

Hole depth – 60 cm

3:22 min

3:42 min

4:07 min

4:23 min

Perk Test #2 (PT-2):

Hole depth – 70 cm

4:08 min

4:50 min

5:33 min

5:57 min

Note: See Figure 1 for approximate perk test locations.

5.0 Septic System Design:

5.1 Design Parameters:

- Vertical Separation in Native Soil - > 245 cm (96")
- Constructed Vertical Separation - > 185 cm (72")
- Total Depth to Water Table or Restrictive Layer - > 245 cm (96")
- Number of Cabins – 2
- Number of Bedrooms per Cabin – 1
- Total Living Space per Cabin – 50.6 m² (545 ft²)
- Daily design flow rate per Cabin (up to 140 m²) – 700 litres/day (154 lgal/day)
- Total Daily Design Flow Rate – **1400 L/day (308 lgal, 370 Usgal)**
 - Average Flow Rate - 700 L/day (154 lgal, 185 Usgal)
(Reference Table II-8)
- Soil Characteristic for Design – Loamy sand, moderate granular structure
- Level of Treatment at the Infiltrative Surface – Type 2
- Hydraulic Loading Rate at Infiltrative Surface – **65 litres/day/m² (1.34 lgal/day/ft²)**
- Hydraulic Loading Rate of the Sand Media - **50 litres/day/m² (1.03 lgal/day/ft²)**
- Minimum system contour length – 7.5 m (24.6 ft) (Reference Table II-26)
 - Proposed contour length – 9.0 m (29.5 ft)
- Minimum Septic Tank required – 1400 L/day * 3 day retention = 4200 L (924 lgal)
 - Proposed Septic Tank to be installed – 4546 L (1000 lgal)

5.2 Dispersal Bed:

- Slope of dispersal field area - < 10%
- Eljen Modules Required as per the Standard GSF Sizing Table for all Applications from the GSF, B.C., Design & Installation manual
 - Per 1 bedroom unit – 10 modules
 - For 2 units – 20 modules
 - Proposed number of modules used – 21 modules
- Maximum daily treatment capacity - 21 modules x 72 L/module/day = 1512 L/day



- Area of Infiltrative Surface Required – $1400 \text{ L/day} \div 50 \text{ L/day/m}^2 = 28 \text{ m}^2$ (301 ft²)
 - (The lower of the loading rates for the native soil and the sand media must be used)
- Bed width – 3.1 m (10 ft)
- Bed length – $28 \text{ m}^2 \div 3.1 \text{ m} = 9.0 \text{ m}$ (29.5 ft)
- Will install 3 rows of modules – 0.61 m wide x 8.5 m long (2 ft x 28 ft)
- Number of Eljen Modules per row – 7
- Spacing between module rows to be 0.3 m (1 ft)
- Spacing from module edge to side edge of bed to be 0.3 m (1 ft)
- Spacing from module edge to proximal and distal edges of the bed to be ~ 0.23 m (9 in)
- Minimum 6" of specified sand to be installed below the modules.
- Minimum 7" of specified sand to be installed beside the modules.

5.3 Distribution:

- Pump to distribution box.
- Dispersal bed to have an endfeed distribution box.
- 3 lateral runs at ~ 8.5 m (28 ft) in length.
- Transport line to be 1-1/2" sch40 pvc pipe.
- All laterals to have a clean-out installed at distal end of dispersal bed.
 - Clean-outs to have access boxes installed to final grade.
- Install observation ports as per drawings.

See Figures 2 and 3 for more details.

5.4 Pump System & Flow Rates:

The system will be set-up for "timed dosing" based on the following calculations:

- Daily flow rate : 370 Usgal (308 lgal)
- Maximum dose volume : 21 modules x 10 L/mod = 210 L/dose (55 Usgal)
- Proposed dose volume : 37 Usgal
- Doses per Day : $370 \text{ Usgal/Day} \div 37 \text{ Usgal/Dose} = 10 \text{ Doses/Day}$
- Dose Interval (pump off time) : $24 \text{ hrs/day (1440 min)} \div 10 \text{ doses/day} = 144 \text{ min}$ (2.4 hrs)

Below are the predicted flow rates, volumes and pump information etc. for the system:

- Pump chamber gallons/in : $92" \times 52.5" \times 0.00433 = 20.9 \text{ Usgal/in.}$
- Estimated pump flow rate : ~ 30 Usgal/min
- Estimate total dynamic head (TDH) : ~ 14 ft.
- Estimated drainback Volume : $60 \text{ ft} \times 0.106 \text{ Usgal/ft} = 6.4 \text{ Usgal}$
 - $6.4 \text{ Usgal} \div 20.9 \text{ Usgal/in} = 0.3 \text{ in.}$



- **Gross dose volume** : 37 Usgal + 6.4 Usgal = **43.4 Usgal** (36 lgal)
 - $43.4 \text{ Usgal} \div 20.9 \text{ Usgal/in} = \mathbf{2.1 \text{ in.}}$
- **Net draw down** after drain back : **37 Usgal** (31 lgal)
 - $37 \text{ Usgal} \div 20.9 \text{ Usgal/in} = \mathbf{1.8 \text{ in.}}$
- Estimated pump run time : $43.4 \text{ Usgal} \div 30 \text{ Usgal/min} = \mathbf{1.5 \text{ min (90 sec)/dose}$
- Equalization Volume (min) : 67% of 370 Usgal = 250 Usgal (208 lgal)
 - $250 \text{ Usgal} \div 20.9 \text{ Usgal/in} = 12.0 \text{ in.}$
- Reserve Volume (min) : 15% of 370 Usgal = 55.5 Usgal (46 lgal)
 - $55.5 \text{ Usgal} \div 20.9 \text{ Usgal/in} = 2.7 \text{ in.}$
- Alarm Reserve Volume (min) : 50% of 370 Usgal = 185 Usgal (154 lgal)
 - $185 \text{ Usgal} \div 20.9 \text{ Usgal/in} = 8.9 \text{ in.}$
- Pump height : 12.0" from tank bottom (includes 2" pump block)
- C-Level Sensor height : 5.0" from tank bottom
- Redundant "off" level : 8.0" from tank bottom
- Pump "off" level : ~ 8.0" from tank bottom
- Timer Enable level : 9.0" from tank bottom
- Equalization level : 9.0" to 21.0" from tank bottom
- Reserve level : 21.0" to 26.0" from tank bottom
- Timer Override Level : 26.0" from tank bottom
- Alarm On Level : 30.0" from tank bottom
- Pump Make / Model – Liberty, 250-2

5.5 Control Panel:

SJE Rhombus Estimated Control Panel Settings:

- Pump Settings:
 - Redundant Off Setpoint : 3.0
 - Timer Enable Setpoint : 4.0 (Start level)
 - Timer Override Setpoint : 21.0 (Veto level)
 - Alarm Setpoint : 25.0 (High level)
 - Timed Dose On Interval : 00:01:30 (Pump "on" time)
 - Timed Dose Off Interval : 02:24:00 (Pump "off" time)
 - Timed Dose Override On Interval : 00:01:30 (Veto "on" time)
 - Timed Dose Override Off Interval : 00:00:30 (Veto "off" time)

Please note, the above figures and components are estimates only. Actual parameters and pump size will be confirmed during installation of system.



5.6 System Tankage & Components:

- Septic Tank Size/Make
 - 1000 lgal (4546L), two compartment, high density polyethylene (HDPLE)
 - Manufacturer: Canwest Tanks
 - c/w 24" dia. risers to grade on inlet
 - c/w 24" dia. riser to grade on outlet
 - PL-250 effluent filter installed on the outlet

- Pump Chamber Tank Size/Make
 - 600 lgal (2727L), single compartment, precast
 - Manufacturer: S.O.C.P.
 - c/w 20" dia. risers to grade on inlet
 - c/w 24" dia. riser to grade on outlet

- Control Panel – Make/Model
 - SJE Rhombus – EZ Series Bluetooth Simplex Control Panel
 - Model : EZIS1W114C3A4A6A10E24F

5.7 Design/Installation Notes:

- Inlet and outlet access holes of septic tank and pump chamber to have poly risers installed to final grade.
- Transport line from cabins to septic tank to be 4" pvc sewer pipe (CSA)
- Transport line from septic tank to pump chamber to be 4" pvc sewer pipe (CSA). All 4" pipes to have minimum 2% fall.
- Any transport lines less than 18" deep or that may be driven over must be protected and insulated.
- Install the specified sand, the Eljen modules and all the lateral piping at a level grade.
- Place a minimum of 6" of specified sand under the lateral piping and modules, and a minimum of 7" of specified sand beside the lateral piping and modules.
- Cover lateral piping and modules with breathable landscaping fabric prior to backfilling.
- Backfill over the modules minimum 12".
- Install venting as per drawings.
- Install observation ports as per drawings.
- Control/Alarm panel to be installed.
 - Panel to be installed in a weather protected location.
- All electrical work to be completed by certified electrician.
- All setbacks to be observed at all times.



- All work to be completed as per the B.C. Sewerage System Regulations and the current Standard Practice Manual.
- Any changes to the existing design will be noted in the final design documentation.

References:

The BC SEWERAGE SYSTEM STANDARD PRACTICE MANUAL, Version 3, September, 2014.
Issued by: Health Protection Branch, Ministry of Health, Victoria, B.C., Designated by abbreviation "SPM V3".

6.0 Conclusion:

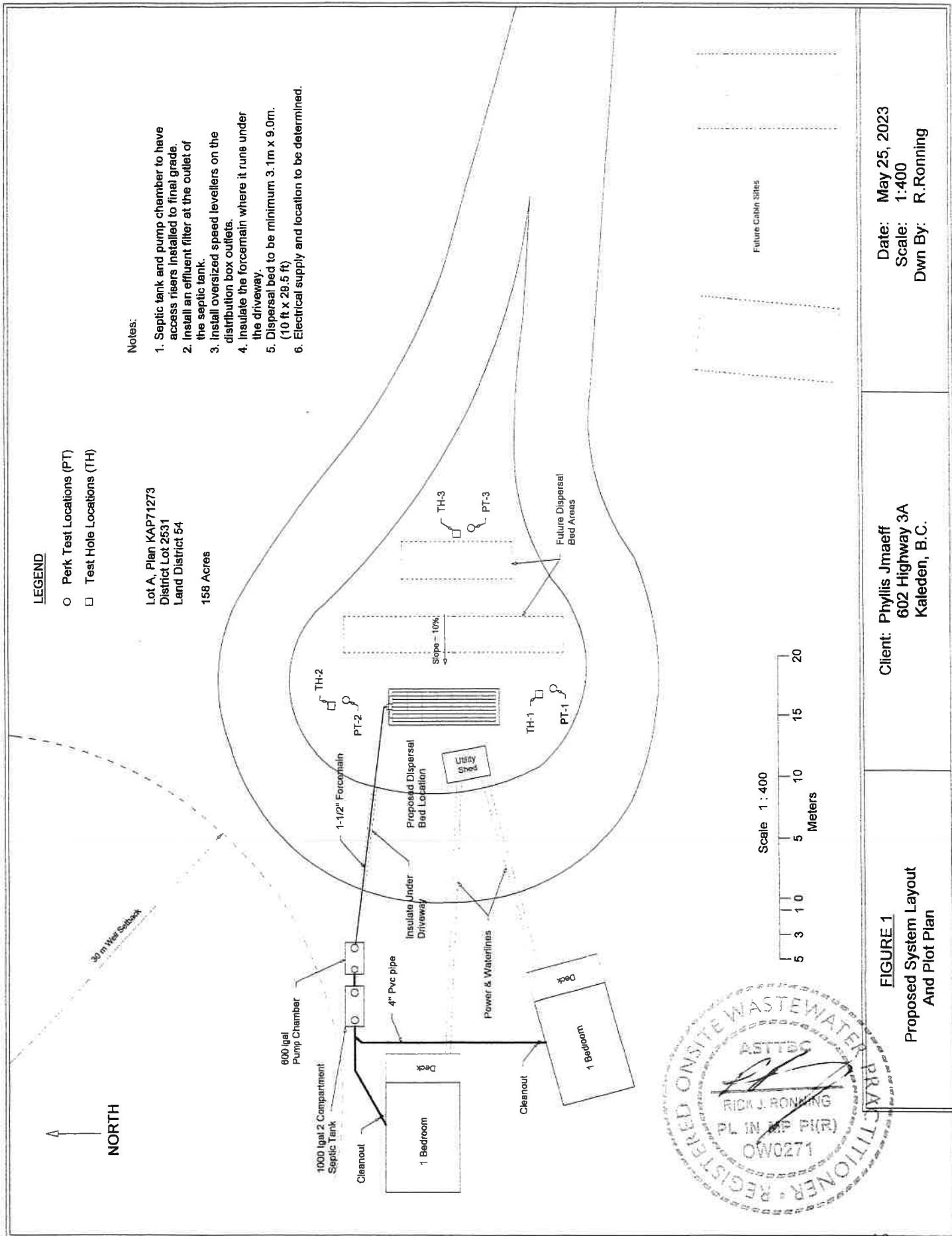
This work has been completed for Phyllis Jmaeff with respect to a sewage disposal system for her proposed 2 cabins located at 602 Highway 3A, Kaleden, B.C.. The design of the septic system was based upon field tests including test pits and percolation tests throughout the proposed dispersal field area.

I trust that this report will meet your requirements and support an application to construct and register the new septic system. If there are any questions, please contact me at (250) 497-8470.

Yours truly,


per Rick Ronning, R.O.W.P.
Twin Lakes Contracting Ltd.





LEGEND

- Perk Test Locations (PT)
- Test Hole Locations (TH)

Lot A, Plan KAP71273
 District Lot 2531
 Land District 54
 158 Acres

Notes:

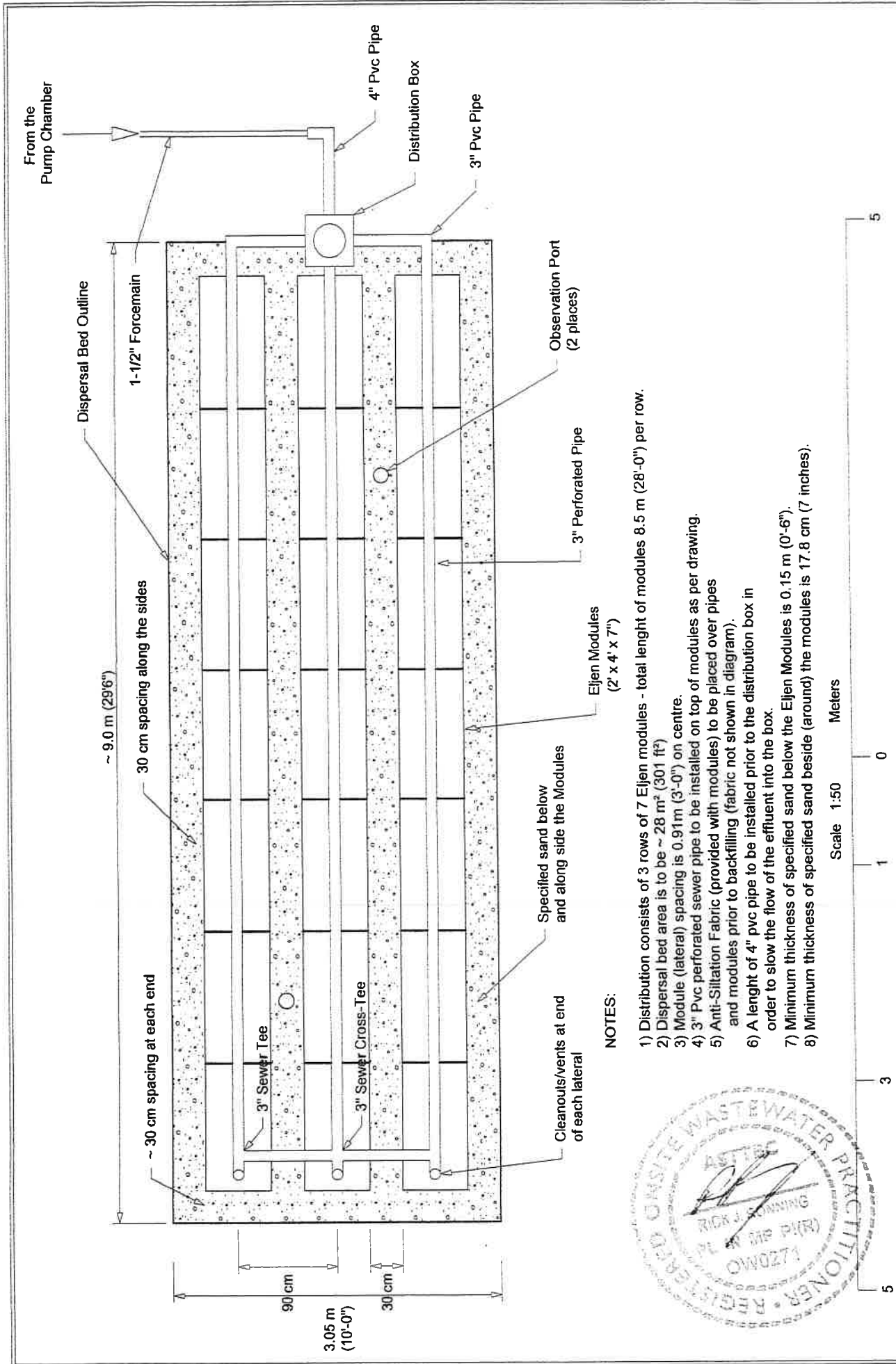
1. Septic tank and pump chamber to have access risers installed to final grade.
2. Install an effluent filter at the outlet of the septic tank.
3. Install oversized speed levelers on the distribution box outlets.
4. Insulate the forcemain where it runs under the driveway.
5. Dispersal bed to be minimum 3.1 m x 9.0m. (10 ft x 29.5 ft)
6. Electrical supply and location to be determined.



Date: May 25, 2023
 Scale: 1:400
 Dwn By: R. Ronning

Client: Phyllis Jmaeff
 602 Highway 3A
 Kaleden, B.C.

FIGURE 1
 Proposed System Layout
 And Plot Plan



NOTES:

- 1) Distribution consists of 3 rows of 7 Eljen modules - total length of modules 8.5 m (28'-0") per row.
- 2) Dispersal bed area is to be ~ 28 m² (301 ft²)
- 3) Module (lateral) spacing is 0.91m (3'-0") on centre.
- 4) 3" Pvc perforated sewer pipe to be installed on top of modules as per drawing.
- 5) Anti-Siltation Fabric (provided with modules) to be placed over pipes and modules prior to backfilling (fabric not shown in diagram).
- 6) A length of 4" pvc pipe to be installed prior to the distribution box in order to slow the flow of the effluent into the box.
- 7) Minimum thickness of specified sand below the Eljen Modules is 0.15 m (0'-6").
- 8) Minimum thickness of specified sand beside (around) the modules is 17.8 cm (7 inches).

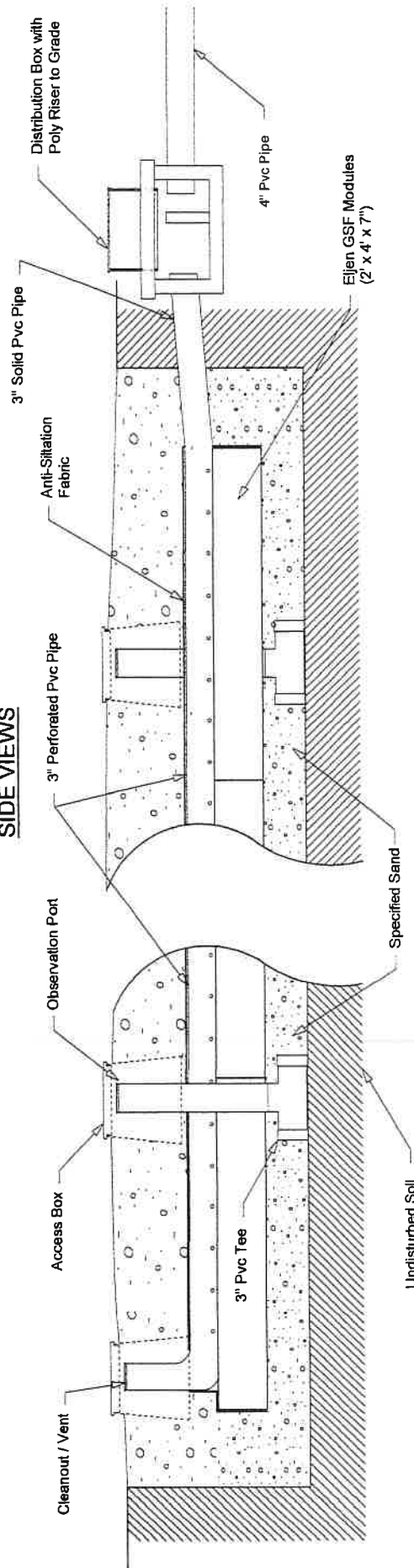


FIGURE 2
Dispersal Bed
Layout

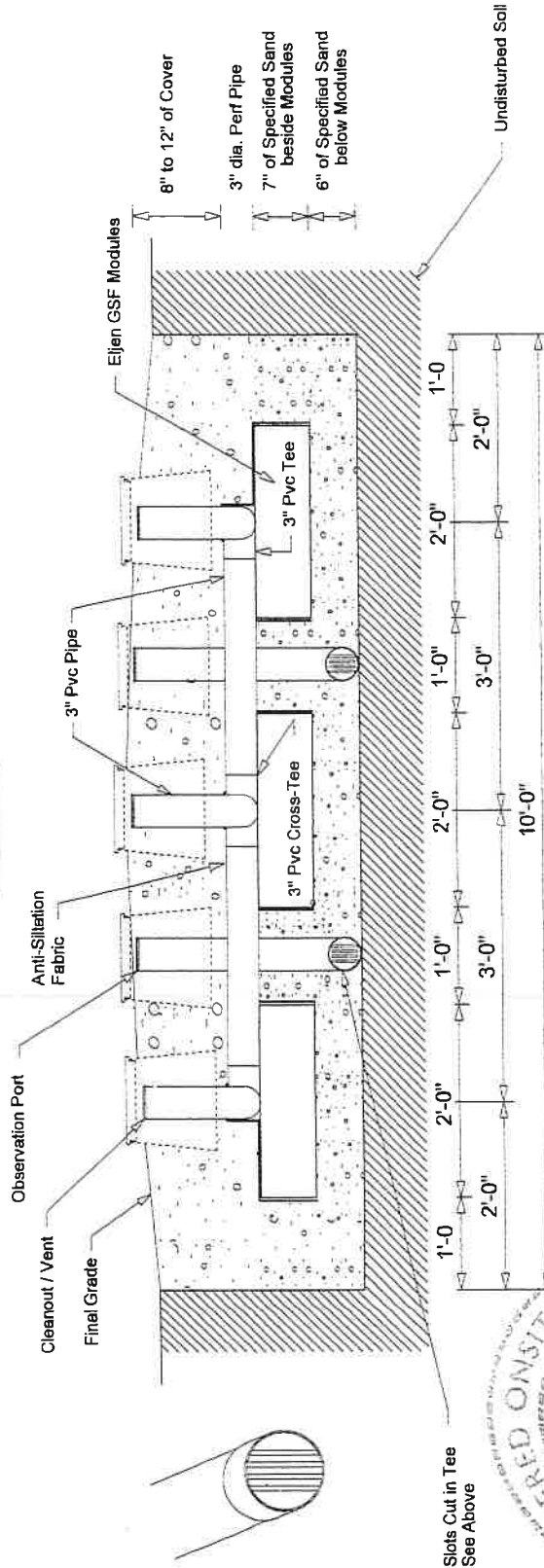
Client: Phyllis Jmaeff
602 Highway 3A
Kaleden, B.C.

Date: May 25, 2023
Scale: 1:50
Dwn By: R. Ronning

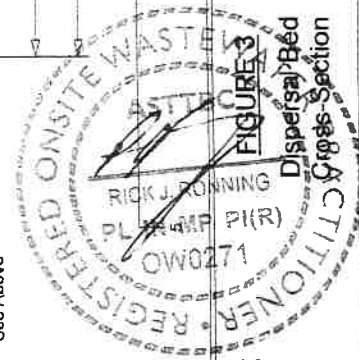
SIDE VIEWS



END VIEW



Slots Cut in Tee See Above



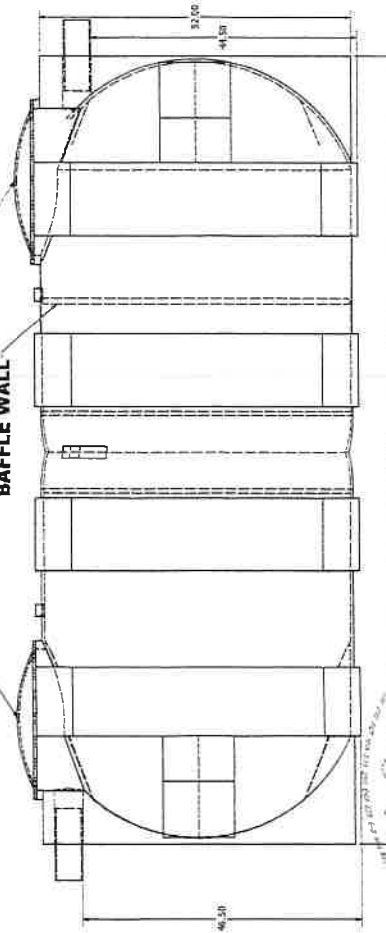
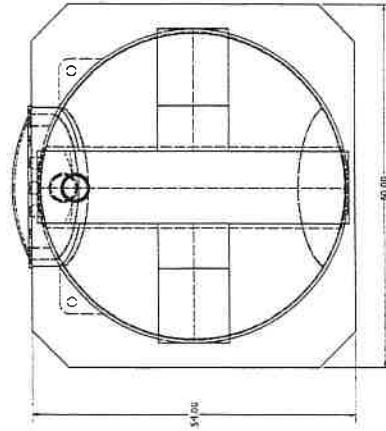
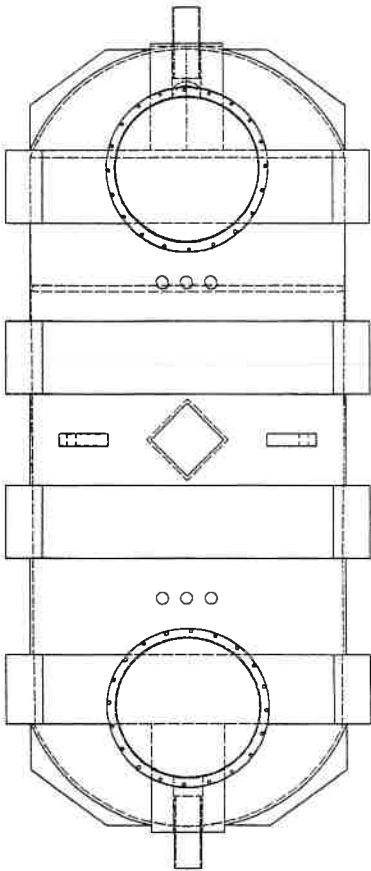
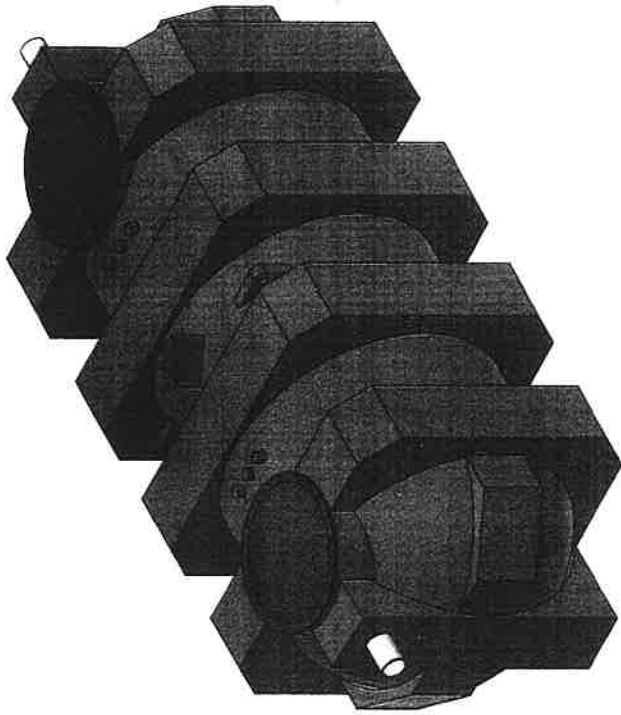
Date: May 25, 2023
 Scale: 1:25
 Dwn By: R. Ronning

Client: Phyllis Jmaeff
 602 Highway 3A
 Kaleden, B.C.



Search and address, a PID



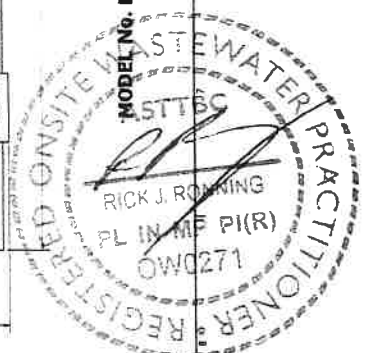


24" POLYLOK LID

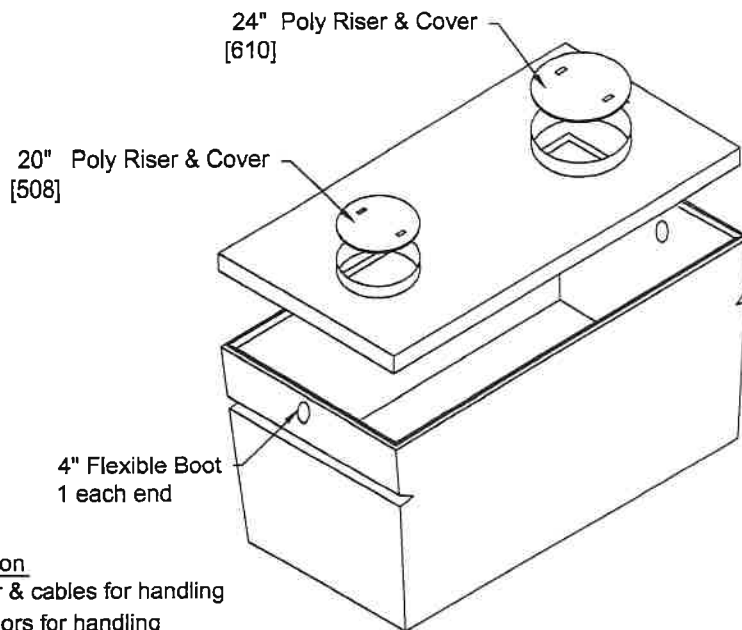
BAFFLE WALL

CAPACITY
IMP GALLONS: 1000
US GALLONS: 1200
LITRES : 4546

MODEL No. RKS1000LP/2



DATE	5/22/2011	TITLE	CANWEST TANKS
DRAWN BY	W.P.	SCALE	
CHECKED BY	W.P.	DATE	5/22/2011
APPROVED BY		PROJECT NO.	RKS1000LP-2
		REV	
		1	

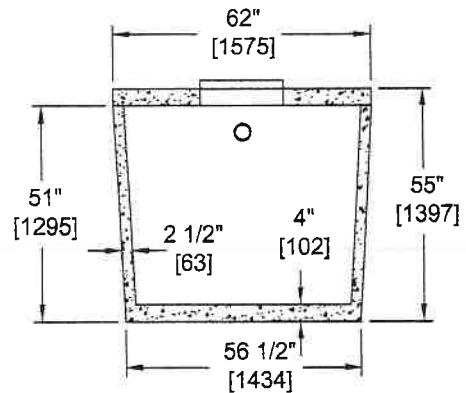
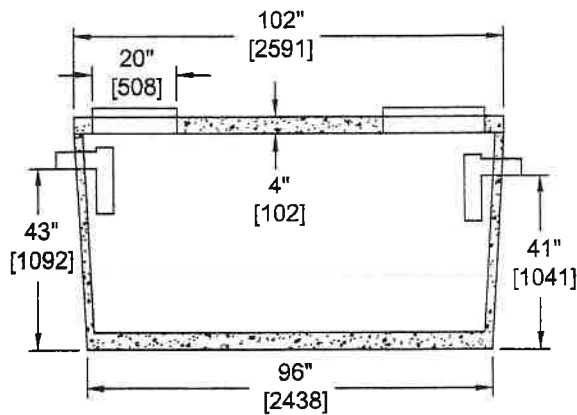


Installation Information

Tank - Spreader bar & cables for handling
 Lid c/ 4 - 3/8" R-Anchors for handling
 Gasket: ConSeal Butyl Sealant
 Weight: 2200 lbs / 998 kg (Lid)
 Weight: 5700 lbs / 2586 kg (Tank)

Design Specification

Residential Loading
 Burial Depth - **No greater than 1m**
 ASTM C1227
 CSA B-66



TEL: 250-495-7556
 socp@socp.ca
 www.socp.ca

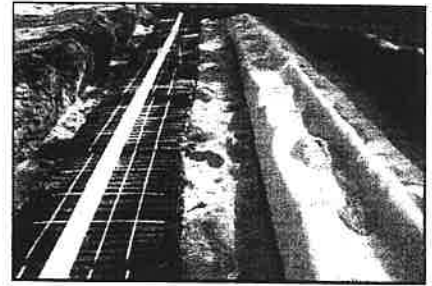
TS-1Ch 600 Gal Septic Tank or Pump Chamber (2727 L)

Product #

0107

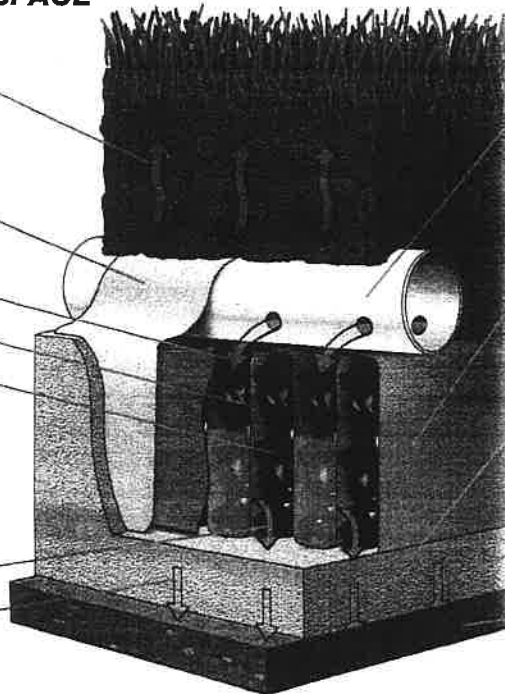
Only the Eljen GSF Geotextile Sand Filter Pretreats Effluent with a Patented Two-Stage Bio-Matt™

When your installation requires more performance in less space, the Eljen GSF delivers. With Eljen's patented two-stage Bio-Matt™ pre-treatment process the GSF applies a better than secondary treated effluent to the soil, increasing the soil's acceptance rate. The result is superior treatment in the smallest area possible when compared to other onsite technologies.



ELJEN'S EXCLUSIVE FOLDED DESIGN PROVIDES THE MAXIMUM TREATMENT SURFACE AREA IN A MINIMUM OF SPACE

- **Porous Top of the Eljen GSF** allows evapotranspiration and oxygen exchange for better effluent treatment.
- **Anti-Siltation Fabric** keeps fines out of the Eljen GSF
- **Untreated Effluent**
- **Bio-Matt™ Fabric**
- **Cusped Plastic Core** provides separation between layers of Bio-Matt™ fabric. Maintains structural integrity of modules & aids oxygen transfer. Increases treatment surface area & effluent storage capacity.
- **Filtered Effluent**
- **Treated Effluent**



Perforated Pipe distributes effluent to the Eljen GSF. Pipe is secured to the GSF Modules with preformed metal clamps.

Primary Treatment Zone forms on Bio-Matt™ fabric. Significant fabric provided for every ft² of soil interface.

Secondary Treatment Zone forms at sand layer. Long term acceptance rate of this biomat layer is significantly increased as compared to conventional systems.

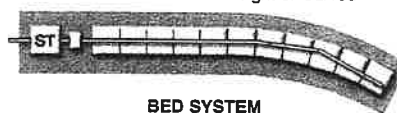
Specified Sand Layer provides additional filtration

Native Soil or Fill provides final filtration

FLEXIBLE SITE INSTALLATION

- Trench or bed layouts
- Level or sloped sites
- Mound or in-ground installations
- D-Box or serial distribution

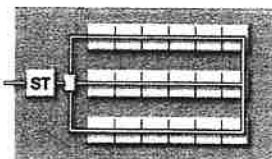
TRENCH SYSTEM—Straight or Curved



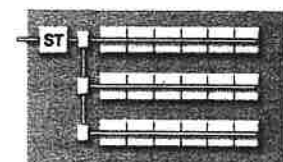
IN-GROUND SYSTEM



BED SYSTEM



SERIAL DISTRIBUTION SYSTEM



MOUND SYSTEM



SLOPED SYSTEM—In-Ground or Mound



Innovative Environmental Products and Solutions Since 1970

125 McKee Street, East Hartford, CT 06108
800-444-1359 • 860-610-0426 • Fax: 860-610-0427
Email: info@eljen.com • Website: eljen.com

Patented ©2011 Eljen Corporation 1111A-03/11-7.5M-HC

Property Owner's Declaration

TWIN LAKES CONTRACTING LTD.
167 Range Road, Kaleden, B.C., V0H 1K0
Phone: 250 497-8470 Email: twnlks@nethop.net

Owner: Phyllis Jmaeff Email: 10m649@gmail.com Phone: 250.497.8209

Owner's Mailing Address: Box 113 Kaleden BC V0H1K0

Property Address: 602 Highway 3A, Kaleden, B.C., V0H 1K0

Legal Description: Lot A, Plan KAP71273, District Lot 2531, Land District 54

Property Roll #: 17-715-06642.000 Property ID (PID) #: 025-566-954

Number of Bedrooms: 1 per cabin Type of facility: Residence Other: 2 cabins

Facility Sq. Footage: ~ 650 ft² per cabin Basement: Main: 2 nd.:

Domestic Water Source: Well Property Size (Ha/Acres): 158 Ac Age of Facility: new build

Other Information:

1) If the basement is unfinished, what is its intended use? n/a

2) Does or will the basement have plumbing or electrical provisions for a separate living suite? n/a

3) Will the intended use be a B and B or Vacation Rental ? Please provide details: Potentially

4) Do you plan on having an in-sink garbage disposal unit? No

* Note: a garbage disposal unit will increase the daily design flow rate for sizing the tanks and dispersal field by 50%.

5) Are there any covenants or easements on the property that will affect the design or location of the sewerage system ? No
If Yes, Please explain and provide supporting documents.

Declaration Statement:

I/We the undersigned declare that I/we are the legal owners of the above described property and the information given above is true and accurate for the purpose of planning, designing, constructing and maintaining a Sewerage System for said property, and that any changes, alterations or amendments to the above information will be provided to the "authorized person," as defined in the B.C. Health Act, Sewerage System Regulation 324/2004, in writing, immediately prior to any installation of a sewerage system.

Signature of Owner(s) Phyllis Jmaeff Date of Declaration: May 13 / 2023

PHYLLIS JMAEFF
Print Name

Signature

Print Name

Signature



Statement of General Conditions:

1.0 Scope of Report:

This report is a summary of the design notes, specifications and drawings etc., that have been compiled in regards to the septic design for the project. Twin Lakes Contracting has not completed a Hydrogeology Study or an Environmental Impact Assessment for this property.

2.0 Use of Report:

This report pertains to only this project. If the project is modified, then our client will allow us to confirm that the report is still valid. This report was prepared only for the benefit of our Client and those agencies authorized by law to regulate our Client's activities. No others may use any part of this report without written consent. To understand the content of this report, the reader must refer to the entire, signed report. We are not responsible for the consequences of anyone using only part of the report or referring only to a draft report.

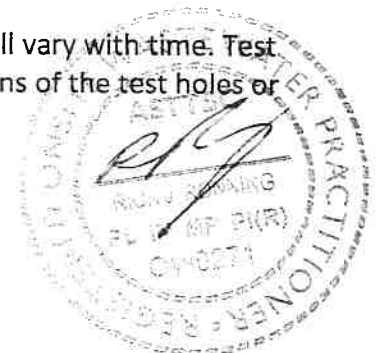
This report reflects our best judgment based on the information available at the time. Any use of this report, or reliance on this report by a third party, is the responsibility of that third party. We accept no responsibility for damages, if any, suffered by a third party as a result of decisions made or actions taken based on this report.

3.0 Reliance of Information:

Twin Lakes Contracting has relied on the accuracy and completeness of information provided by its client and other professionals. This includes the site survey. We are not responsible for any deficiency in this document that results from a deficiency in this information.

4.0 Test Hole Logs & Subsurface Interpretations:

Ground and ground water conditions can vary across a site and will vary with time. Test holes and well logs show subsurface conditions only at the locations of the test holes or well and at the time the conditions were noted.



5.0 Geological Materials & Water Wells:

This report includes descriptions of natural geological materials, including soil, rock and ground water. Unless otherwise specified, the report's conclusions and recommendations are based on these observed conditions. Construction activities on the site or adjacent sites may change or alter these geological materials.

6.0 Changed Conditions:

Conditions encountered by others at this site may differ significantly from what we encountered, either due to natural variability of subsurface conditions or construction activities. Our client will inform us about any such changes, and will give us an opportunity to review the changes and give our recommendations.

7.0 Risks & Liability:

Twin Lakes Contracting and Rick J. Ronning do not carry insurance for errors and omissions. In all cases the liability of Twin Lakes Contracting and/or Rick J. Ronning is limited to the cost of the work completed on this septic system itself. By accepting and using this report the client agrees that Twin Lakes Contracting and Rick J. Ronning's liability is limited in this way.

Acknowledgement & Acceptance of the General Conditions

Phyllis Jmaeff

Print Name

P Jmaeff

Signature

June 1, 2023

Date



		Filing # (OFFICE USE ONLY)				
1. Property Information	<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration		<input type="checkbox"/> Repair		<input type="checkbox"/> Amendment – Original Filing #	
	Tax Assessment Roll # 17-715-06642.000			PID # 025-566-954		
Legal Description (Plan, Lot, District Lot, Block Numbers) Lot A, Plan KAP71273, District Lot 2531 (Land District 54)						
		Street (Civic) Address or General Location 602 Highway 3A		City Kaleden		
2. Owner Information	Name of Legal Owner Phyllis Jmaeff			Mailing Address 602 Highway 3A		
	Phone 250.497.8209		City Kaleden		Prov BC	Postal Code V0H 1K0
3. Authorized Person Information	Name of Authorized Person Ronning, Rick			Mailing Address 167 Range Rd		
	Phone 250.497.8470		City Kaleden (Twin Lakes)		Prov BC	Postal Code V0H1K0
	Registration # OW0271		Email twnlks@nethop.net			
4. Structure Information	Sewerage System Will Serve:					
	<input type="checkbox"/> Single Family Dwelling <input checked="" type="checkbox"/> Other Dwelling/Structure (specify) <u>Cabins 1 and 2</u>					
The sewerage system is designed for an estimated minimum daily domestic sewage flow of (check one)						
<input checked="" type="checkbox"/> Less than or equal to 9,100 litres <input type="checkbox"/> More than 9,100 litres but less than 22,700 litres						
5. Site Information	Depth of native soil to seasonal high water table or restrictive layer (cm)		>245	Information respecting the type, depth and porosity of the soil is attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	GPS Location of System (decimal degrees) Latitude		49.370621	Longitude -119.673145		
	Horizontal Accuracy (m)		15	<input checked="" type="checkbox"/> Recreational GPS <input type="checkbox"/> Differential GPS		
6. Drinking Water Protection	Will the sewerage system be located less than 30 m from a well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	If yes, attach a professional's report and specify the intended distance (m) Distance of proposed sewerage system to the closest body of surface water > 30 (m)					
7. System Information	Sewerage treatment method <input type="checkbox"/> Type 1 <input checked="" type="checkbox"/> Type 2 <input type="checkbox"/> Type 3					
8. Legal or Regulatory Considerations	<input checked="" type="checkbox"/> Construction of the proposed sewerage system will not conflict with legal instruments registered on the property.			Is this filing submitted as the result of an order from the Health Authority? <input type="checkbox"/> Yes (attach a copy of the order) <input checked="" type="checkbox"/> No		
	Plot Plan (to scale) and specifications are attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
9. Plot Plan and Specifications	<input checked="" type="checkbox"/> The plans and specifications are consistent with Standard Practice					
	Source of Standard Practice: <input checked="" type="checkbox"/> Ministry of Health Standard Practice Manual <input type="checkbox"/> Other					
10. Authorized Person's Signature	Signature (email submission does not require a signature) Ronning, Rick			OFFICE USE ONLY		
	Date 2023-May-26			Filing Accepted Date 2023-Jun-06		
			Receipt # 10384109			



Interior Health

RECEIPT OF RECORD OF SEWERAGE SYSTEM

This receipt acknowledges that the Health Authority has received a completed Record of Sewerage System for the following location:

RECEIPT NUMBER FOR RSS FILING FEE: 10384109

TAX ASSESSMENT ROLL NUMBER: 17-715-06642.000

AUTHORIZED PERSON: Ronning, Rick

CIVIC ADDRESS: 602 Highway 3A, Kaleden, BC

LEGAL DESCRIPTION: Lot A, Plan KAP71273, District Lot 2531 (Land District 54)

EFFECTIVE DATE: 2023-Jun-06

Please note that the system work must be completed and a Letter of Certification filed with the Health Authority within two years of the effective date noted.

EXPIRY DATE: 2025-Jun-06

