



Interior Health

September 29, 2021
Danielle DeVries, Planner
Regional District of Okanagan-Similkameen
101 Martin Street
Penticton, BC, V2A-5J9

Sent via email: planning@rdos.bc.ca

Danielle DeVries:

RE: File E2021.021-ZONE: 4785 Mill Road: Lot 3, Plan KAP12051, District Lot 211, SDYD

Thank you for the opportunity to provide comments on this application. It is our understanding that the above referenced application seeks approval for a Temporary Use Permit (TUP) to allow the subject property to be used as a short-term vacation rental. This referral has been reviewed from a Healthy Community Development perspective. The following comments are for your consideration:

Housing is a key determinant of health. It has a significant influence on our physical and mental health, social well-being, and indirectly influences many other determinants of health such as income, early childhood development, educational opportunities, and access to health services. Healthy housing is attainable, stable, high quality, and in a location and community that meets our needs and supports health and well-being.

While this vacation rental can contribute to the property owner's income and support tourism through accommodation for the travelling public, it also reduces the availability of long-term housing units available in the community. It is important to balance long term housing needs with support for visitors and economic opportunity. As noted in the RDOS 2020 Housing Needs Assessment, there is an acute shortage of long-term rental availability.

A sewerage system file review has also been conducted (see attached sewerage record). There are concerns about the long term sustainability for onsite sewage servicing for this lot. All onsite sewerage systems have a limited lifespan. Depending on how well the system is maintained over the course of its life, will impact the length of its life. When the existing system malfunctions new land appropriate for a sewage dispersal field must be found. The more site constraints on a parcel, such as small parcel size and distance to waterways, the more difficult, and costly, the replacement system. Having said all of this, the estimated amount of sewage that would be produced by the proposed vacation rental is within the amount the system was designed for (i.e. 4 bedroom vacation rental; system designed for 4 bedrooms).

We recognize and acknowledge that we are collectively gathered on the traditional, ancestral, and unceded territories of the seven Interior Region First Nations, where we live, learn, collaborate, and work together. This region is also home to 15 Chartered Métis Communities. It is with humility that we continue to strengthen our relationships with First Nation, Métis, and Inuit peoples across the Interior.



Interior Health

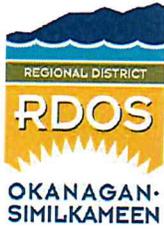
Interior Health suggests this TUP not be approved without the applicant first demonstrating that a long term rental option is not feasible. In addition, that an Authorized Person, under the BC Sewerage System Regulation [B.C. Reg. 326/2004] complete a performance inspection of the existing system to ensure the system is in good working order, and that a back up area of land for a future replacement sewerage system be identified. Protecting this land with a covenant would also be prudent.

Interior Health is committed to improving the health and wellness of all by working collaboratively with local governments and community partners to create policies and environments that support good health. Should you have any questions about the information provided above, please don't hesitate to call or email – my contact information can be found on the bottom of this letter.

Sincerely,

Tanya Osborne, BAHS
Healthy Communities

We recognize and acknowledge that we are collectively gathered on the traditional, ancestral, and unceded territories of the seven Interior Region First Nations, where we live, learn, collaborate, and work together. This region is also home to 15 Chartered Métis Communities. It is with humility that we continue to strengthen our relationships with First Nation, Métis, and Inuit peoples across the Interior.



TUP Referral

Regional District of Okanagan-Similkameen
 101 Martin Street, Penticton, BC, V2A-5J9
 Telephone: 250-492-0237 / Email: planning@rdos.bc.ca

OFFICE USE ONLY	
Date:	September 3, 2021
Folio:	E-02293.005
File:	E2021.021-ZONE

You are requested to comment on the attached Temporary Use Permit (TUP) for potential effect on your agency's interests. We would appreciate your response **WITHIN 26 DAYS**. If no response is received within that time, it will be assumed that your agency's interests are unaffected.

Please email your reply to planning@rdos.bc.ca by **Wednesday, September 29, 2021**.

PURPOSE OF THE TEMPORARY USE PERMIT:

This application seeks approval for a Temporary Use Permit (TUP) to allow for the operation of a short-term vacation rental use at the subject property.

LEGAL DESCRIPTION: Lot 3, Plan KAP12051, District Lot 211, SDYD

CIVIC ADDRESS: 4785 Mill Road

PID: 099-467-921

AREA OF PROPERTY AFFECTED:

0.13 ha

ALR STATUS:

No

OCP DESIGNATION:

Small Holdings (SH)

ZONING DISTRICT:

Small Holdings Five (SH5)

OTHER INFORMATION:

The applicant is proposing to operate a vacation rental use from the primary dwelling on the parcel, which is indicated as four bedrooms for up to eight (8) occupants. The parcel contains a single-detached dwelling.

The subject property is serviced by on-site septic system and community water. It is in the Okanagan Lake and Baerg Creek watercourse area.

Additional information can be found at the following location:

<https://www.rdos.bc.ca/development-services/planning/current-applications-decisions/electoral-area-e/e2021-021-tup/>

Please fill out the Response Summary on the back of this form. If your agency's interests are "Unaffected" no further information is necessary. In all other cases, we would appreciate receiving additional information to substantiate your position and, if necessary, outline any conditions related to your position. Please note any legislation or official government policy which would affect our consideration of this Permit.

Thank you,

D. DeVries

Danielle DeVries

Planner 1

Agency Referral List

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Interior Health Authority | <input checked="" type="checkbox"/> Ministry of Forest, Lands, Natural Resource Operations & Rural Development | <input checked="" type="checkbox"/> School District #67 |
| <input checked="" type="checkbox"/> Naramata Volunteer Fire Department | <input checked="" type="checkbox"/> Fortis BC | |

RESPONSE SUMMARY

TEMPORARY USE PERMIT NO. E2021.021-TUP

Approval Recommended for Reasons
Outlined Below

Interests Unaffected

Approval Recommended Subject to
Conditions Below

Approval Not Recommended
Due to Reasons Outlined Below

See attached letter.

Signature:  _____

Signed By: Tanya Osborne

Agency: Interior Health

Title: Community Health Facilitator

Date: Sept 29, 2021



Interior Health

Sewerage System Letter of Certification

Tax Assessment Roll #: 17-67-715-02293.005 Date: JUNE 15/09
(Day/Month/Year)

To: Interior Health .005

Re: Sewerage system at: 4785 MILL ROAD, NARAMATA, B.C.
Street Address or General Location

LOT 3, PLAN 12051, D.L. 211, SOYD.
Legal Description

Planner: C. JEFFREY OLAND, P.Eng. Installer: GARY DICKIEM.

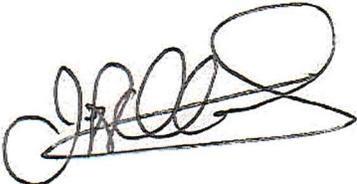
Owner: _____

The construction of the proposed sewerage system on the above described property was completed on JUNE 12/09
(Day/Month/Year)

I, the undersigned, am an authorized person as defined in the Sewerage System Regulation, BC Reg. 326/2004 and certify that:

1. the owner will be provided with
 - a copy of the sewerage system plans and specifications as they were built;
 - a maintenance plan for the sewerage system that is consistent with standard practice; and,
 - a copy of this letter of certification;
2. the sewerage system has been constructed in accordance with standard practice;
3. the sewerage system has been constructed substantially in accordance with the plans and specifications filed with the Health Authority;
4. the estimated daily domestic sewage flow through the sewerage system will be less than 22,700 litres; and,
5. if operated and maintained as set out in the maintenance plan, the sewerage system will not cause or contribute to a health hazard.

A plan of the sewerage system as it was built and a copy of the maintenance plan for the sewerage system have been appended to this letter.

<p>AUTHORIZED PERSON'S SEAL</p> 	<p>DATE LETTER OF CERTIFICATION ACCEPTED</p> 
---	---

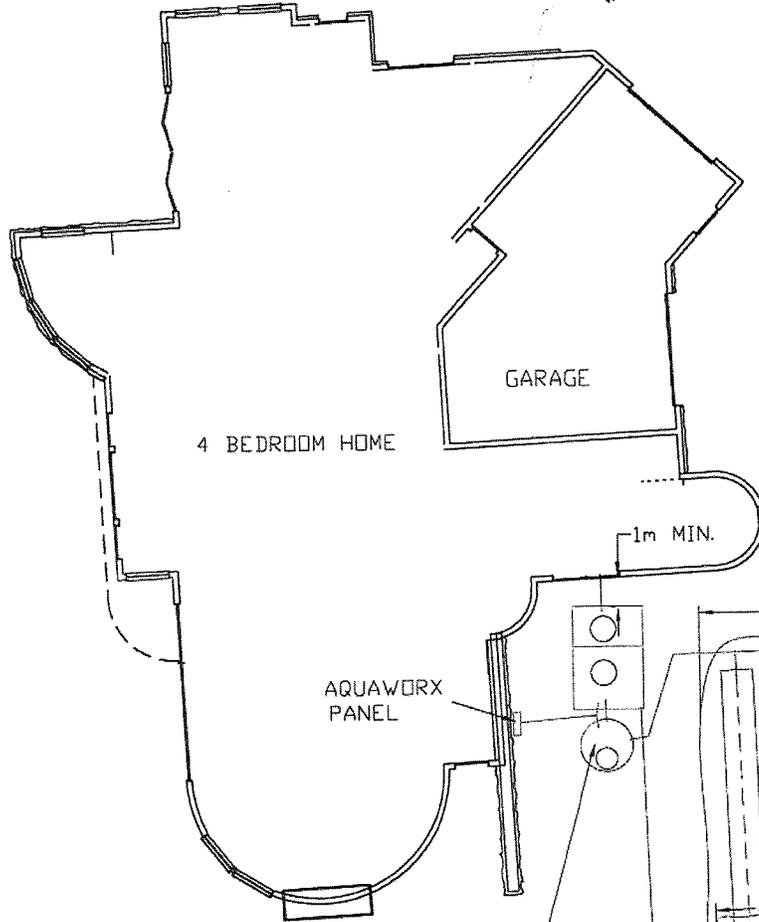
13-179-00816

MILL ROAD

34.947



APPROX. LOCATION
WATER LINE



4 BEDROOM HOME

GARAGE

1m MIN.

AQUAWORX
PANEL

TREATMENT PLANT
AND PUMP STATION

SOILS:
0 - 0
0.2m
1.0m
PERC.

CALCUL
4 BEC
NATIVE
SAND E
DESIGN
C33 SA
2270 L
DESIGN

MAJOR
MICROF
16 SEC
PIPE S
50 Cu.
25m±
20m±
1.5m X
6m X
3 X 12
REMOV
EFFLUI
OR
2" SCH
TH
AQUAV
3
T

2 X
TRE

PER
12m

6m)
ENV

35.453

OKANAGAN LAKE

46.808

24m±

30.051

EXHAUST PORT

REM LOT 2
PLAN 27775

SOILS:

0 - 0.2 m SANDY LOAM, SOME GRAVEL
0.2m - 1.0m SILTY SAND
1.0m - 1.3m SILTY SAND, SOME GRAVEL
PERC. RATE 20 MIN./IN. AND 16 MIN./IN.

CALCULATIONS:

4 BEDROOMS = 1700 L/D PLUS ADDITIONAL AREA = 2270 L
NATIVE SOIL PERC. RATE = 15 TO 20 MIN./ IN.: TYPE 3 HLR = 74 L/Sq.m/D
SAND BED AREA REQUIRED = 2270 L/D / 74 L/Sq.m./D = 31 Sq.m.
DESIGN BED AREA = 100 Sq.m.
C33 SAND PERC. RATE = 2 MIN./ IN. : TYPE 3 HLR = 128 L/Sq.m/D
2270 L/D / 128 L/Sq.m/D = 17.7 Sq.m TRENCH AREA REQUIERD
DESIGN = 2 TRENCHES X 9.8m X 0.9m = 17.7 Sq.m.

MAJOR COMPONENTS

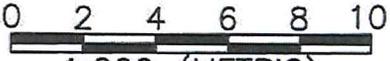
MICROFAST MODEL 0.6 C/W CONC. TANK, CONTROL PANEL, AIR PUMP ETC.
16 SECTIONS OF QUICK-4 (34" WIDE) STANDARD INFILTRATOR C/W 4 END CAPS
PIPE STANDS OR HEAVY PLASTIC TIE STRAPS INSIDE INFILTRATORS
50 Cu.m. C33 SAND
25m± X 38mm SCHED 40 PVC PIPE + FITTINGS AND 1/4" HOLES AS SHOWN
20m± X 50mm SCHED. 40 PVC PIPE + FITTINGS
1.5m X 100mm PVC C/W CAP FOR SAMPLE PORT
6m X 6m 20 MIL. RPE LINER OR EQUIVILANT
3 X 12" DIA. IRRIGATION BOX
REMOVAL 50 Cu.m. NATIVE SOIL AS REQUIRED
EFFLUENT PUMP: MYERS ME3F, 230V, 6AMP
OR GOULDS WE0312M OR L, 230V, 5 AMP
2" SCHED 40 PVC PIPING C/W BRASS CHECK, SCHED 80 BALL VALVE
THREADED UNION AND FITTINGS AS SHOWN
AQUAWORX SIMPLEX PANEL, NEMA 4X ENCLOSURE, C/W TRANSDUCOR DR
3 FLOATS AS SHOWN. TIME DOSE OPTIONAL. SET FOR
TIME SETTING (ON FOR 1 MIN OFF FOR 3 HOURS)

2 X 9.8m INFILTRATOR
TRENCHES
PERIMETER OF
12m X 4.5m SAND BED
6m X 6m 25 MIL. RPE OR
ENVIROFLEX LINER

REM LOT 2
PLAN 27775

**ON-SITE SEWAGE DISPOSAL
TYPE 3 SYSTEM ASBUILT FOR:
LOT 3, PLAN 12051, DL. 211
SDYD
4785 MILL ROAD
NARAMATA, B.C.**

OWNER:

SCALE: 
1:200 (METRIC)

NOTES:

1. THE TREATMENT PLANT SHALL BE LOCATED TO PROVIDE A MIN. FALL OF 1/8" PER FOOT IN ALL BUILDING SEWER DRAINS AND PLACED ON UNDISTURBED NATIVE SOIL.
2. ROOF & SITE DRAINAGE SHOULD BE DIVERTED AWAY FROM TANK & FIELD AREA.
3. THE TREATMENT PLANT SHALL BE UNDER MAINTENANCE AGREEMENT AND SERVICED AT LEAST QUARTERLY.
4. THE DISPOSAL FIELD SHALL BE COVERED TO PROVIDE A MIN. 2% GRADE FOR SURFACE DRAINAGE AND BE PROPERLY SEEDDED AND MAINTAINED.
5. THE SITE IS LIKELY TO REMAIN SUITABLE FOR ON-SITE DISPOSAL INDEFINATELY SUBJECT TO PROPER OPERATION, MAINTENANCE AND PARTS REPLACEMENT
6. WATER-SAVING DEVICES AND PRACTICES SHOULD BE IMPLEMENTED.
7. SAMPLES FROM MONITORING WELL SHALL BE TESTED FOR BOD, SS, AND TOTAL COLIFORM FOLLOWING 6 MONTHS OF OPERATION

ISSUED FOR REVIEW

DATE: NOV. 5/08

ISSUED FOR CONSTRUCTION

DATE: _____

ASBUILT INSPECTION

DATE: _____

DRAWN BY:



**OLAND
ENGINEERING
LIMITED**

11183 BOND ROAD
LAKE COUNTRY, B.C., V4V 1J6
PHONE: (250) 766-5114 CELL: (250) 862-6322
FAX: (250) 766-5077 EMAIL: joland@silic.net


C. JEFFREY OLAND, P.ENG.

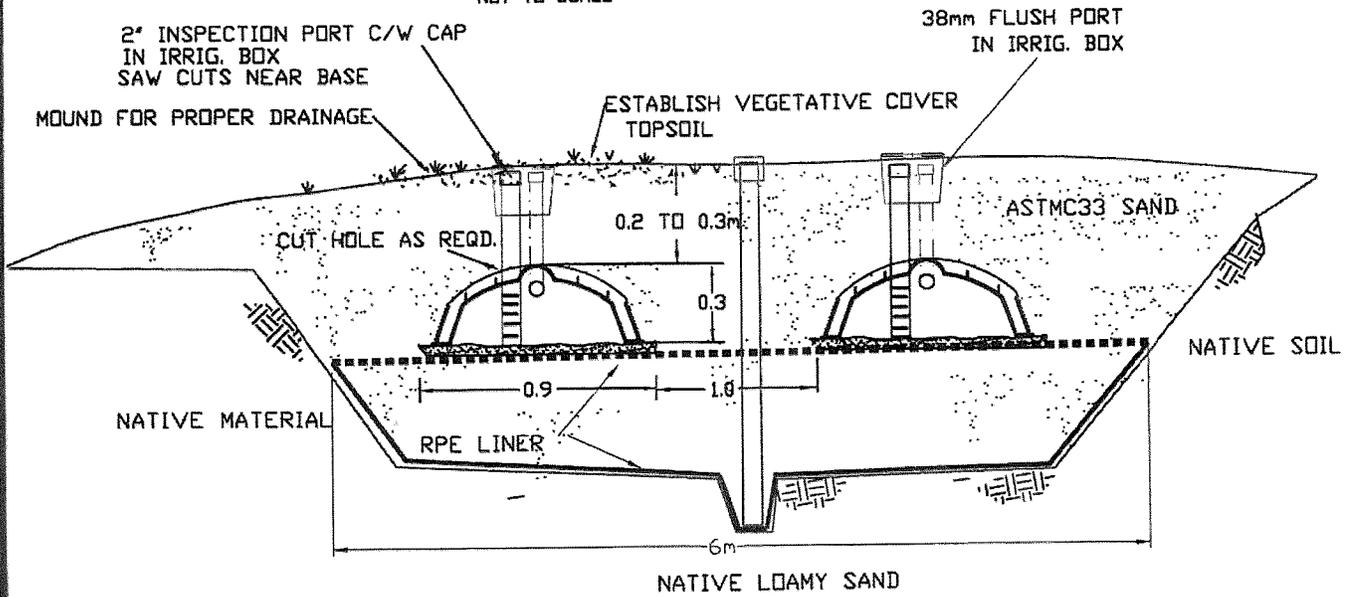
DATE: June 15, 2009 08-57.SITE.AB

TYPE 3 SEWERAGE ASBUILT DETAILS
 LOT 3, PLAN 12051, DL. 211
 SDYD
 4785 MILL ROAD
 NARAMATA, B.C.

PANEL:
 AQUAWOR
 NEMA 4X
 C/W PRE

SECTION 'B-B'
 NOT TO SCALE

INFILTRATOR Q-4 STANDARD DETAIL
 NOT TO SCALE

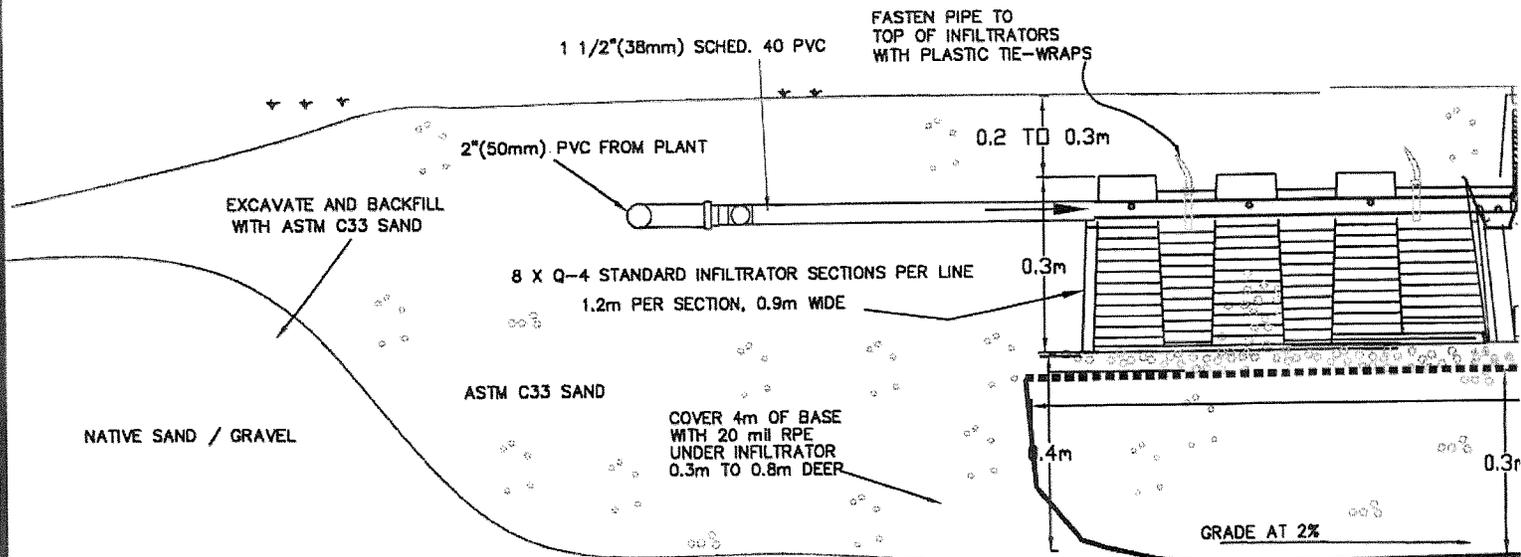


POW
 AS
 ELEC

GROU
 INSI

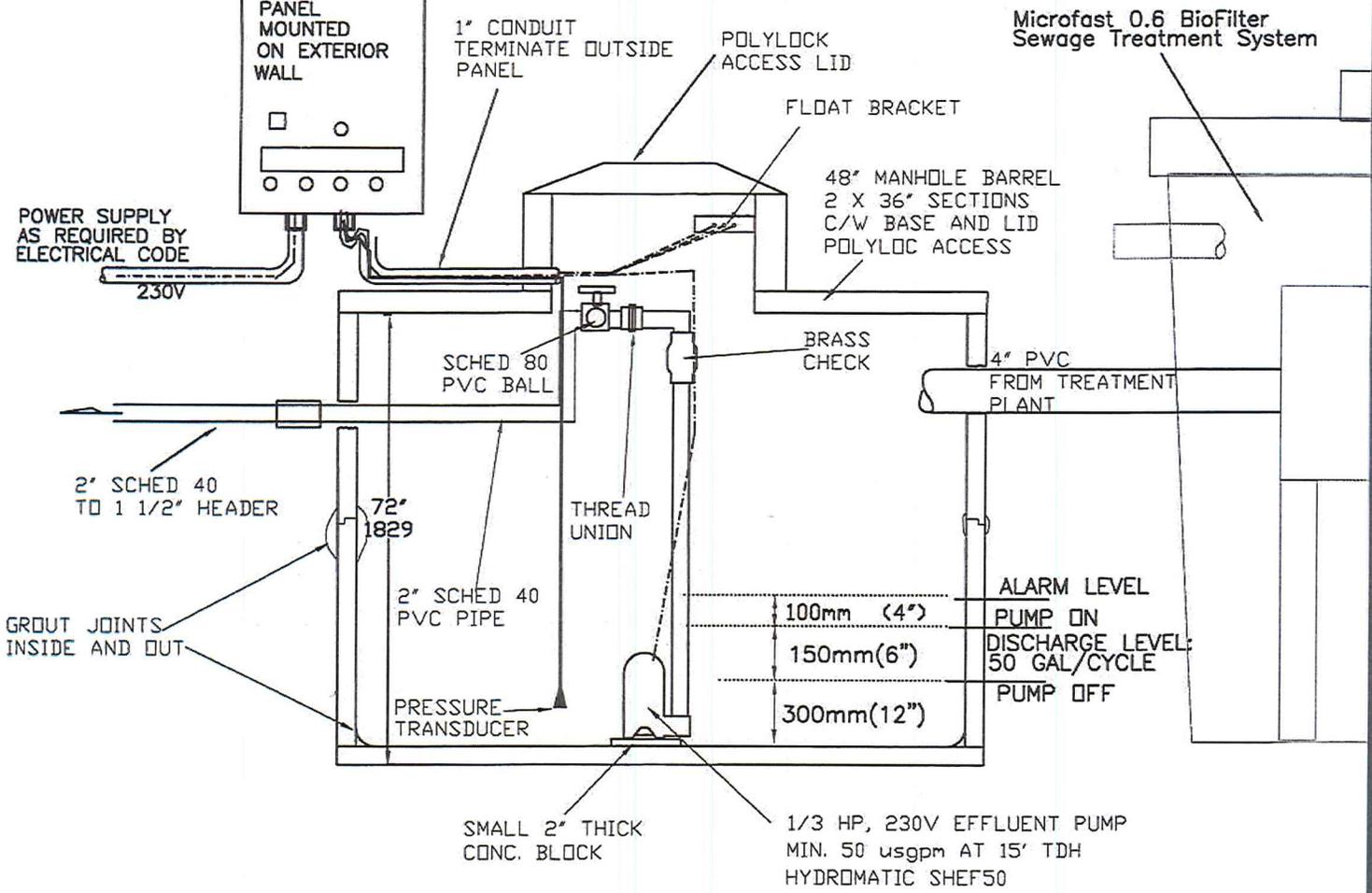
SECTION 'A-A'
 NOT TO SCALE

PRESSURE DISTRIBUTION BY
 1/4" HOLES APPROX. 0.6m(2') SPAC
 2 HOLES PER INFILTRATOR SECTION,

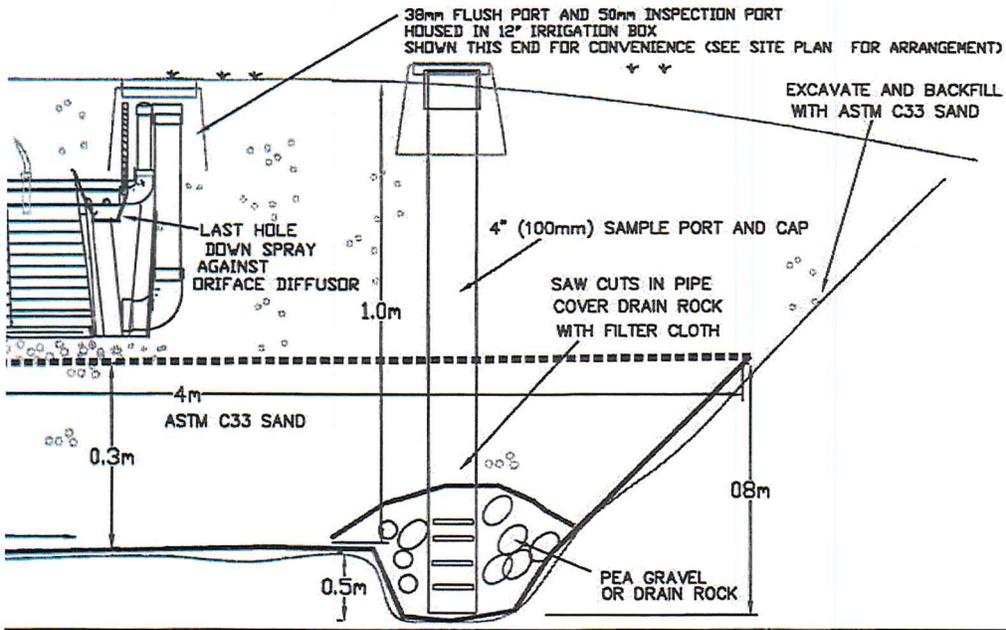


PANEL:
 AQUAWORX IPC , PROGRAMABLE
 NEMA 4X PANEL
 C/W PRESSURE TRANSDUCOR

PUMP STATION DETAIL NOT TO SCALE



ITION SYSTEM:
 2") SPACING AT 16 HOLES PER LINE = 32 HOLES TOTAL
 SECTION, 1.5" SCHED. 40 PVC,



OLAND ENGINEERING LIMITED
 11183 BOND ROAD
 LAKE COUNTRY, B.C., V4V 1J6
 PHONE: (250) 766-5114 CELL: (250) 862-6322
 FAX: (250) 766-5077 EMAIL: joiland@silk.net

PROFESSIONAL ENGINEER
 C. JEFFREY OLAND, P.ENG.
 DATE: 04/16/09 08-57-DETAIL.AB



Please complete this entire form. If the form is incomplete, the filing may not be accepted and it will be returned to the Authorized Person.

TAX ASSESSMENT ROLL# 17-715-02293.005	<input checked="" type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> ALTERATION	<input type="checkbox"/> REPAIR <input type="checkbox"/> AMENDMENT/UPDATE ONLY	<input type="checkbox"/> ORDER ATTACHED
---	---	---	---

1. LOT INFORMATION Where sewerage system is to be constructed	LEGAL DESCRIPTION LOT 3, PLAN 12051, D.L. 211, SD4D.		
	STREET ADDRESS OR GENERAL LOCATION 4785 MILL ROAD.	CITY NARRAMATA	POSTAL CODE VOH 1N0

2. OWNER INFORMATION	NAME OF LEGAL OWNER OR STRATA CORPORATION		MAILING ADDRESS (PO BOX #, SUITE #, STREET #, STREET NAME)	
	CITY	PROVINCE	POSTAL CODE	TELEPHONE NUMBER

3. AUTHORIZED PERSON INFORMATION	NAME OF AUTHORIZED PERSON C. JEFFREY OLAND, P.Eng.		MAILING ADDRESS (PO BOX #, SUITE #, STREET #, STREET NAME)	
	CITY LAKE COUNTRY	PROVINCE B.C.	POSTAL CODE V4V 1S6	TELEPHONE NUMBER 250-766-5114

4. FACILITY INFORMATION	SEWERAGE SYSTEM WILL SERVE: <input checked="" type="checkbox"/> SINGLE FAMILY DWELLING <input type="checkbox"/> DUPLEX <input type="checkbox"/> OTHER (SPECIFY):	NO. OF BEDROOMS 3+1	EST. DAILY SEWAGE FLOW (l/day) 2270	TOTAL LIVING AREA (m ²) INCL. FINISHED BSMT 400 I	LOT SIZE (ha) 0.13
-------------------------	--	-------------------------------	---	---	------------------------------

5. SITE INFORMATION	DISTANCE OF PROPOSED DISCHARGE AREA FROM (IN METRES): >10 WATER LINES >20 STREAM OR LAKE >20 BREAKOUT POINT N/A NEIGHBOURING WELLS N/A OWN WELL >30 DOMESTIC WATER	DEPTH OF EXISTING FILL IN THE DISCHARGE AREA (cm) 0	TOTAL DEPTH TO HIGHEST WATER TABLE OR RESTRICTIVE LAYER (cm) >200	<input checked="" type="checkbox"/> SOIL TEXTURE AND STRUCTURE INFO ATTACHED <input checked="" type="checkbox"/> PERMEAMETER AND/OR PERCOLATION RATES ATTACHED
	DISCHARGE AREA WILL BE <30m TO ANY SOURCE OF DRINKING WATER: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			SLOPE (%) 5%

ARE THERE ANY RESTRICTIVE COVENANTS/EASEMENTS WHICH WILL AFFECT THE DESIGN OR LOCATION OF THE SEWERAGE SYSTEM?
IF YES, PLEASE EXPLAIN AND ATTACH SUPPORTING DOCUMENTS. YES NO

6. SYSTEM INFORMATION	VERTICAL SEPARATION BETWEEN BOTTOM OF DISCHARGE AREA TO HIGHEST WATER TABLE OR RESTRICTIVE LAYER (cm) >200	TOTAL FINISHED DEPTH TO HIGHEST WATER TABLE OR RESTRICTIVE LAYER (cm) >220	TREATMENT METHOD <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3	IF TYPE 2 OR 3 IS PROPOSED, GIVE MAKE: MIRROFAST MODEL: 0-6	TREATMENT CAPACITY (l/day) 2250
	SEPTIC TANK MANUFACTURER N/A.	MATERIAL OF SEPTIC TANK N/A.	LIQUID VOLUME OF TANK(S) (litres) N/A.	EFFLUENT PUMP <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
	DISCHARGE AREA <input checked="" type="checkbox"/> BED <input checked="" type="checkbox"/> TRENCH <input type="checkbox"/> OTHER (SPECIFY): SAND BED / Anti-Holotr <input type="checkbox"/> SAND MOUND <input type="checkbox"/> LAGOON: SIZE (m ²)	METHOD OF EFFLUENT DISCH. <input type="checkbox"/> GRAVITY <input checked="" type="checkbox"/> PRESSURE <input type="checkbox"/> OTHER		LOADING RATE (l/day/m ²) 74/128 Soil / Sand.	

7. PLANS AND SPECIFICATIONS
 PLOT PLAN (TO SCALE) AND SPECIFICATIONS ARE ATTACHED, AS PER THE STANDARD PRACTICE MANUAL.

8. FREEDOM OF INFORMATION
This form is required to administer the Sewerage System Regulation (326/2004) and the collection of personal information complies with the Freedom of Information and Protection of Privacy Act. If you have any questions about the collection or use of this information, please contact your local Health Protection Office.

9. AUTHORIZED PERSON'S SIGNATURE AND SEAL
The information on this form is accurate and true to the best of my knowledge. I am an Authorized Person according to Sewerage System Regulation BC Reg 326/2004. The plans and specifications attached to this form are consistent with standard practice and will not contribute to a health hazard.

I have consulted with the Ministry of Health's publication "Sewerage System Standard Practice Manual".
 I have consulted with another source of standard practice - copy attached, or listed here: **USEPA MANUAL.**

AUTHORIZED PERSON'S SEAL 	OFFICE USE ONLY	
	RECEIPT NUMBER 935354	DATE ACCEPTED FOR FILING Dec 08/08 4012
DATE: Nov. 5/08	PENTICTON, B.C. DEC 12 2008 Interior Health Authority	
	FILING NUMBER 13-179-00816	

ENTERED DEC 2008

SOILS:

- 0 - 0.2 m SANDY LOAM, SOME GRAVEL
- 0.2m - 1.0m SILTY SAND
- 1.0m - 1.3m SILTY SAND, SOME GRAVEL
- PERC. RATE 20 MIN./IN. AND 16 MIN./IN.

CALCULATIONS:

4 BEDROOMS = 1700 L/D PLUS ADDITIONAL AREA = 2270 L
 NATIVE SOIL PERC. RATE = 15 TO 20 MIN./ IN.: TYPE 3 HLR = 74 L/Sq.m/D
 SAND BED AREA REQUIRED = 2270 L/D / 74 L/Sq.m./D = 31 Sq.m.
 DESIGN BED AREA = 100 Sq.m.
 C33 SAND PERC. RATE = 2 MIN./ IN. : TYPE 3 HLR = 128 L/Sq.m/D
 2270 L/D / 128 L/Sq.m/D = 17.7 Sq.m TRENCH AREA REQUIRED
 DESIGN = 2 TRENCHES X 9.8m X 0.9m = 17.7 Sq.m.

MAJOR COMPONENTS

- MICROFAST MODEL 0.6 C/W CONC. TANK, CONTROL PANEL, AIR PUMP ETC.
- 16 SECTIONS OF QUICK-4 (34" WIDE) STANDARD INFILTRATOR C/W 4 END CAPS
- PIPE STANDS OR HEAVY PLASTIC TIE STRAPS INSIDE INFILTRATORS
- 50 Cu.m. C33 SAND
- 25m± X 38mm SCHED 40 PVC PIPE + FITTINGS AND 1/4" HOLES AS SHOWN
- 20m± X 50mm SCHED. 40 PVC PIPE + FITTINGS
- 1.5m X 100mm PVC C/W CAP FOR SAMPLE PORT
- 6m X 6m 20 MIL. RPE LINER OR EQUIVILANT
- 3 X 12" DIA. IRRIGATION BOX
- REMOVAL 50 Cu.m. NATIVE SOIL AS REQUIRED

REM LOT 2
PLAN 27775

2 X 9.8m INFILTRATOR
TRENCHES

PERIMETER OF
12m X 4.5m SAND BED

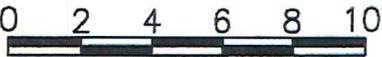
6m X 6m 25 MIL. RPE OR
ENVIROFLEX LINER

**ON-SITE SEWAGE DISPOSAL
TYPE 3 SYSTEM DESIGN FOR:**

LOT 3, PLAN 12051, DL. 211
SDYD

4785 MILL ROAD
NARAMATA, B.C.

OWNER:

SCALE: 
1:200 (METRIC)

NOTES:

1. THE TREATMENT PLANT SHALL BE LOCATED TO PROVIDE A MIN. FALL OF 1/8" PER FOOT IN ALL BUILDING SEWER DRAINS AND PLACED ON UNDISTURBED NATIVE SOIL.
2. ROOF & SITE DRAINAGE SHOULD BE DIVERTED AWAY FROM TANK & FIELD AREA.
3. THE TREATMENT PLANT SHALL BE UNDER MAINTENANCE AGREEMENT AND SERVICED AT LEAST QUARTERLY.
4. THE DISPOSAL FIELD SHALL BE COVERED TO PROVIDE A MIN. 2% GRADE FOR SURFACE DRAINAGE AND BE PROPERLY SEEDED AND MAINTAINED.
5. THE SITE IS LIKELY TO REMAIN SUITABLE FOR ON-SITE DISPOSAL INDEFINATELY SUBJECT TO PROPER OPERATION, MAINTENANCE AND PARTS REPLACEMENT
6. WATER-SAVING DEVICES AND PRACTICES SHOULD BE IMPLEMENTED.
7. SAMPLES FROM MONITORING WELL SHALL BE TESTED FOR BOD, SS, AND TOTAL COLIFORM FOLLOWING 6 MONTHS OF OPERATION

ISSUED FOR REVIEW

DATE: NOV. 5/08

ISSUED FOR CONSTRUCTION

DATE:

ASBUILT INSPECTION

DATE:

DRAWN BY:



11183 BOND ROAD
LAKE COUNTRY, B.C., V4V 1J6
 PHONE: (250) 766-5114 CELL: (250) 862-6322
 FAX: (250) 766-5077 EMAIL: joland@stik.net


 C. JEFFREY OLAND, P.ENG.
 DATE: Dec 8/08

08-57.SITE

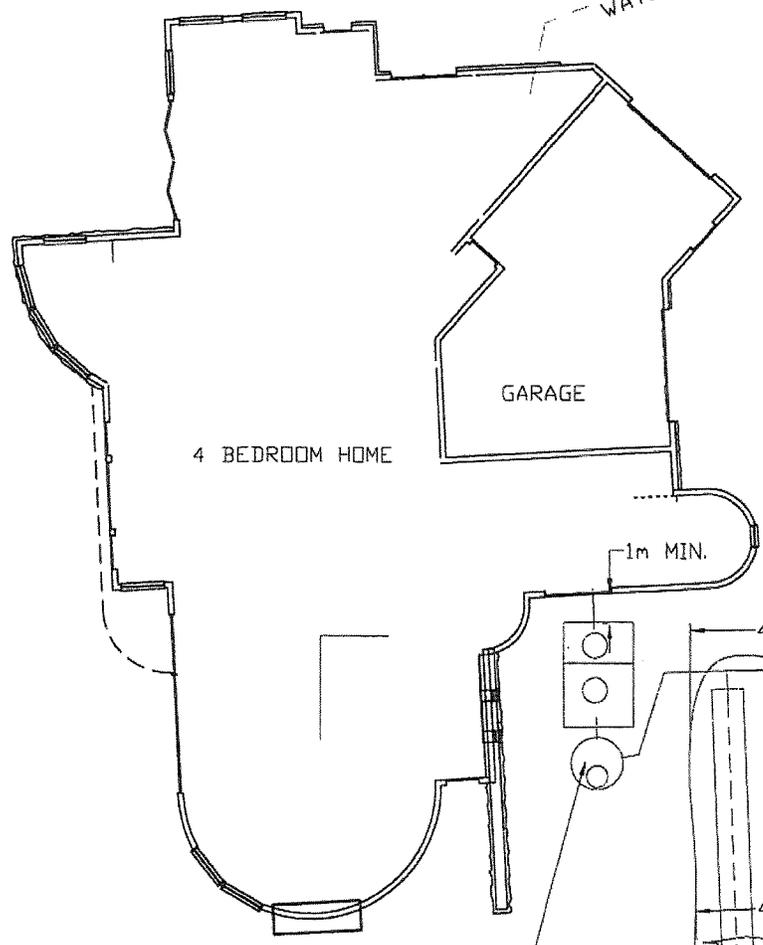
OKANAGAN LAKE

MILL ROAD

34.947



APPROX. LOCATION
WATER LINE

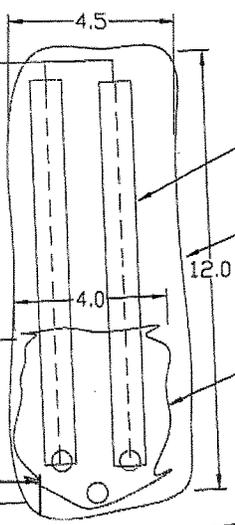


4 BEDROOM HOME

GARAGE

TREATMENT PLANT
AND PUMP STATION

1m MIN.



SOILS:
0 - 0.2m -
1.0m -
PERC. 1

CALCULA
4 - BEDI
NATIVE S
SAND BI
DESIGN
C33 SAM
2270 L
DESIGN

MAJOR I
MICROFA
16 SECT
PIPE ST/
50 Cu.m
25m± X
20m±
1.5m X
6m X 6
3 X 12'
REMOVAL

35.453

46.808

24m±

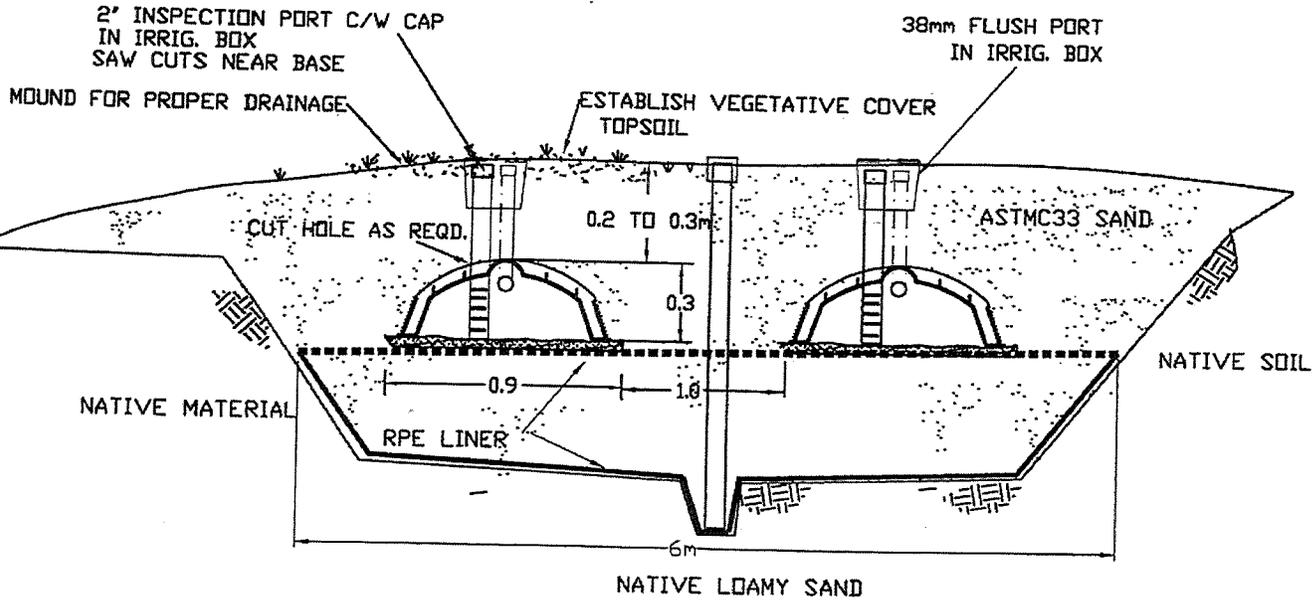
30.051

REM LOT 2
PLAN 27775

TYPE 3 SEWERAGE DETAILS
 LOT 3, PLAN 12051, DL. 211
 SDYD
 4785 MILL ROAD
 NARAMATA, B.C.

PANEL:
 AQUAWDRX I
 NEMA 4X PAI
 C/W PRESSU

SECTION 'B-B'
 NOT TO SCALE
 INFILTRATOR Q-4 STANDARD DETAIL
 NOT TO SCALE



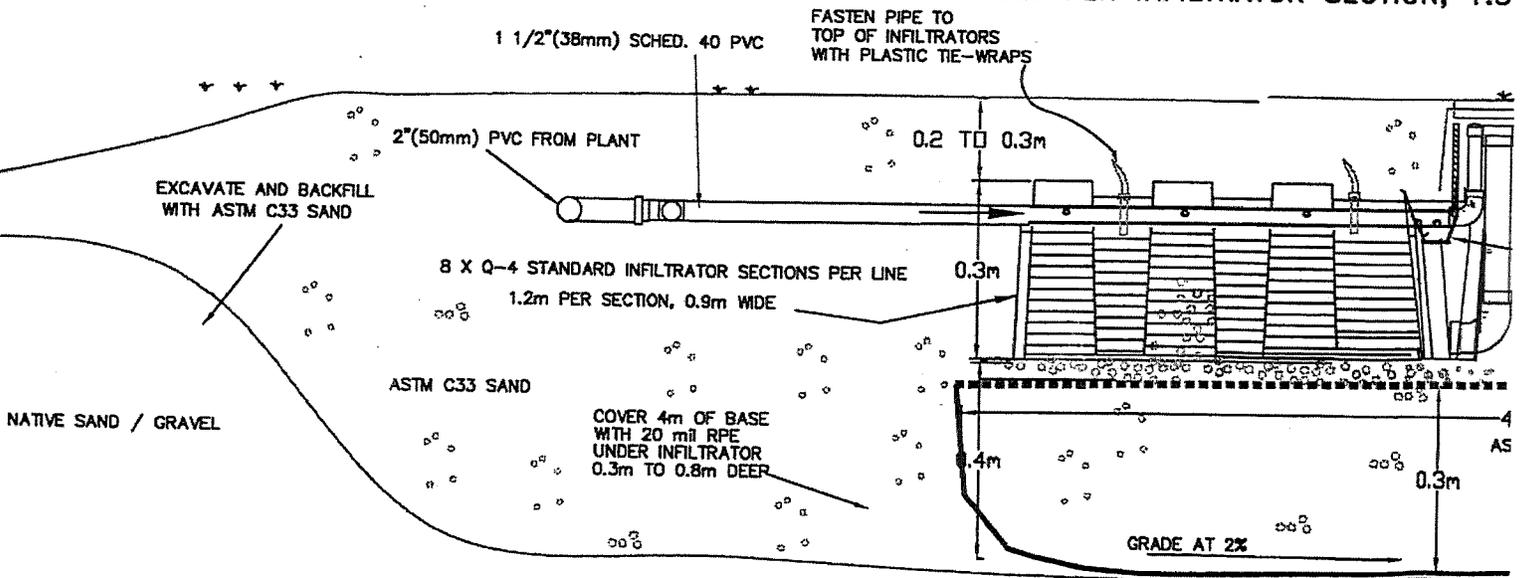
POWER :
 AS REQL
 ELECTRIC

2"
 TO

GROUT J
 INSIDE A

SECTION 'A-A'
 NOT TO SCALE

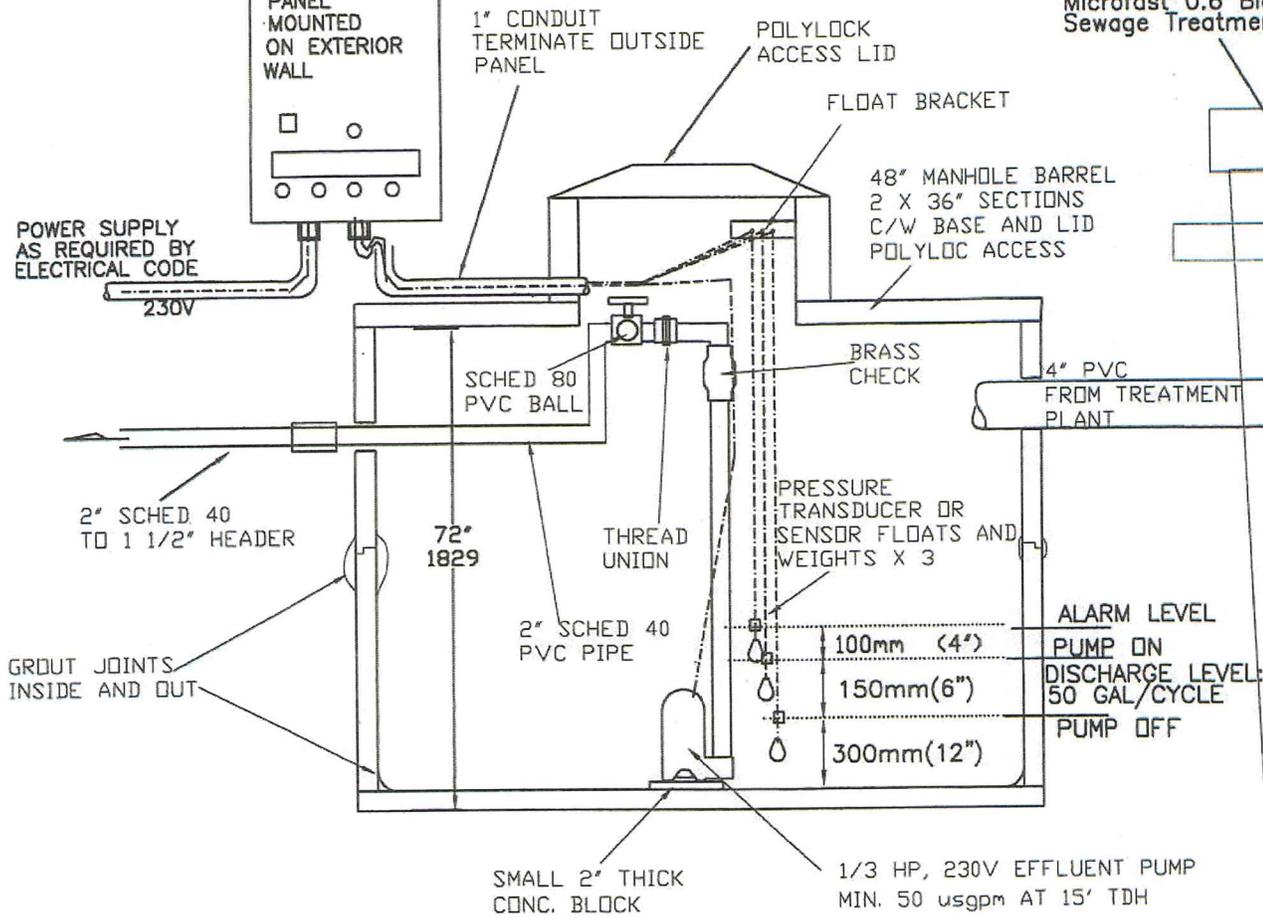
PRESSURE DISTRIBUTION SYSTEM
 1/4" HOLES APPROX. 0.6m(2') SPACING
 2 HOLES PER INFILTRATOR SECTION, 1.5'



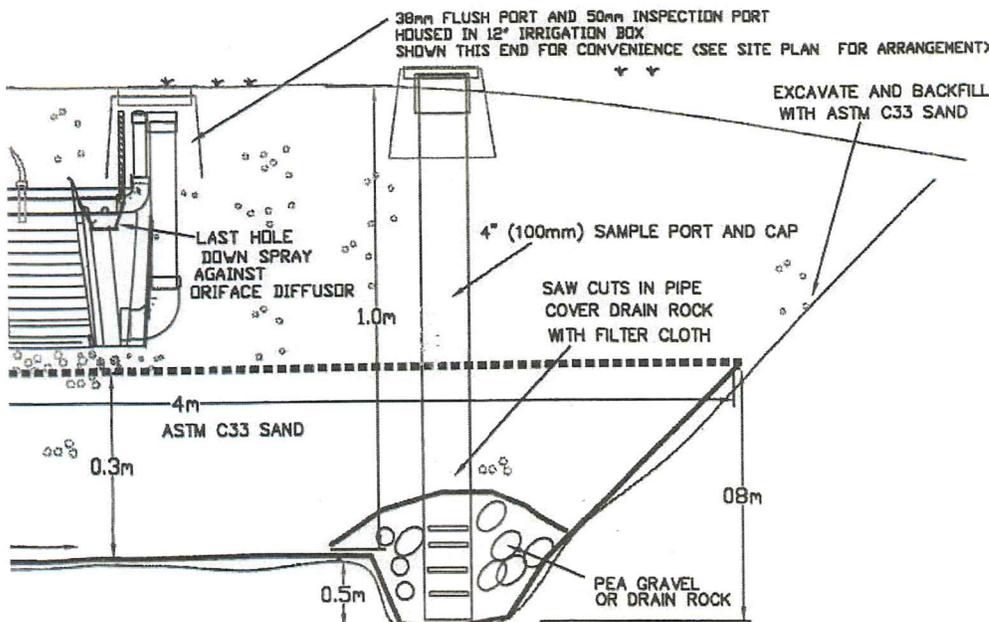
PANEL:
 AQUAWORX IPC, PROGRAMABLE
 NEMA 4X PANEL
 C/W PRESSURE TRANSDUCOR

PUMP STATION DETAIL NOT TO SCALE

Microfast 0.6 BioFilter
 Sewage Treatment System



ITION SYSTEM:
 2') SPACING AT 16 HOLES PER LINE = 32 HOLES TOTAL
 SECTION, 1.5" SCHED. 40 PVC,



11183 BOND ROAD
 LAKE COUNTRY, B.C., V4V 1J6
 PHONE: (250) 766-5114 CELL: (250) 862-6322
 FAX: (250) 766-5077 EMAIL: joland@silk.net

C. JEFFREY OLAND, P. ENG.
 DATE: Dec 8/08

08-57-DETAIL