Interior Health
Health Protection

POSTED

Sewerage System
Letter of Certification

Tax Assessment Roll #: 789 10117005 Date: 7th Oct 2012
(Day/Month/Year)

To: Interior Health Authority

Re: Sewerage system at: 1897 Blind Bay rd Sorrento
Street Address or General Location

Parcel: A, Plan: 1962, Sec: 23, Twp: 22, Rg: 11, Meridian W6
Legal Description

Planner: Richard Clark

Installer: Rick Davis Owner: Helmut Eckert

The construction of the proposed sewerage system on the above described property was completed on 7 Oct 2012
(Day/Month/Year)

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

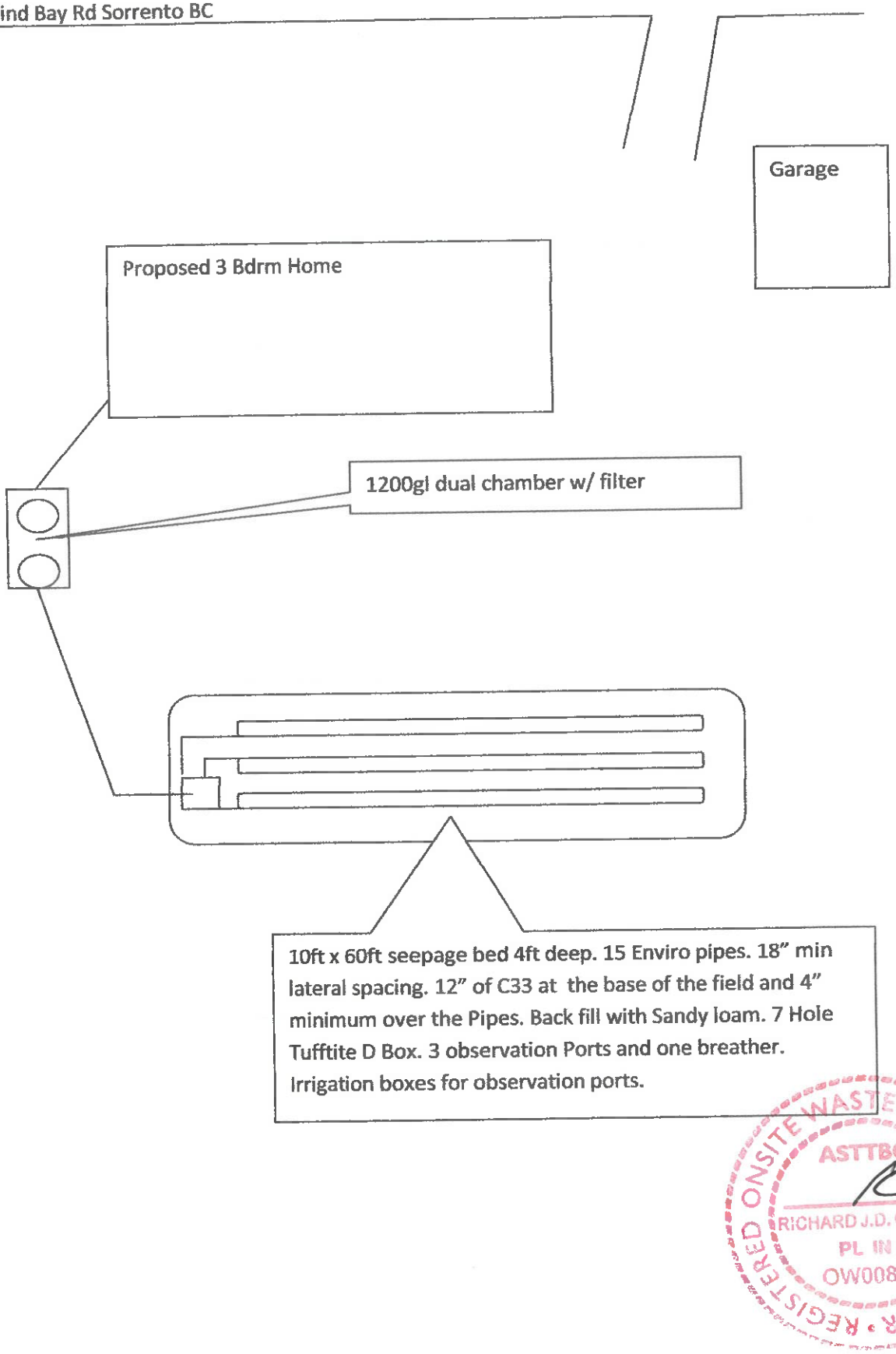
1. the owner will be provided with
   - a copy of the sewerage system plans and specifications as they were built;
   - a maintenance plan for the sewerage system that is consistent with standard practice; and,
   - a copy of this letter of certification;
2. the sewerage system has been constructed in 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.

AUTHORIZED PERSON'S SEAL	DATE LETTER OF CERTIFICATION ACCEPTED	DATE LETTER OF CERTIFICATION RECEIVDED BY NON HEALTH PROTECTION CLERK
REGISTERED ONSITE WASTEWATER PRACTITIONER ASTTBC RICHARD J.E. CLARK PL IN OW0089	RECEIVED OCT 9 2012 SALMON ARM ENVIRONMENTAL HEALTH INTERIOR HEALTH	

White: Health Protection **Canary:** Owner **Pink:** Building Authority **Blue:** Authorized Person

1897 Blind Bay Rd Sorrento BC



REGISTERED ONSITE WASTEWATER PRACTITIONER
ASTTBC
RICHARD J.D. CLARK
PL IN
OW0089

Maintenance Plan

The septic tank is a crucial component of your on-site sewage system. It is a watertight tank designed for the storage and treatment of a minimum of 3 days worth of sewage flow generated from a dwelling. This sewage then is allowed to enter into the septic field.

Bacteria entering with the raw sewage into the septic tank naturally digest the sewage. This bacterium literally eats the solid sewage particles and turns them into liquids and gasses. The by product of this biological process is left in the bottom of the tank as sludge, and at the top of the tank as the crust.

This sludge and crust has to be removed (pumped) when the clear zone between the crust and sludge is less than one day's flow of sewage from a dwelling.

This sludge crust accumulation usually takes between 3 and 5 years to accumulate to the point of requiring pumping.

How system failures can occur.

If septic tank maintenance is left longer than recommended a large amount of small raw sewage particles will leave the septic tank through the outlet and enter the septic field. If too many sewage particles enter the field they will plug up the pores of the soil and not allow the sewage effluent to be dispersed in the soil. This will cause a failure in the system noticed by back ups or sewage water on the surface of the yard.

The septic tank and field are the most economical and environmental wise way to treat and disperse sewage generated from residential homes. Onsite sewage systems are installed in approximately 25% to 30% of all homes in BC. They are a simple, natural, and safe way to recharge the underground aquifers.

Continuous adherence to the following steps will comply with your system's maintenance plan. Conserve water in your home. All water used inside the home needs to be treated in the septic system.

Space out your heavy water usage over the day and the week. For example, one load of laundry per day during the week is better than 7 loads on one day.

Fix any leading tap or toilet. A toilet that runs will waste between ¼ and ½ gallon of water per minute. That's 720 gallons per day, and over twice the amount a normal three bedroom house's septic system is designed to treat and disperse.

Check annually for any soft or wet spots showing up in the area where the septic field is located. If there is any indication of a small problem it is easier and much cheaper to fix before it becomes necessary to replace your entire drain field. Take leftover hazardous household chemicals to your approved hazardous waste collection center for disposal.

AVOID using bleach, disinfectants, and drain and toilet bowl cleaners. I you must, use them sparingly and in accordance with product labels.

Do divert roof drains and surface water from driveways and hillsides away from the septic system.

KEEP a record of pumping, inspections, and other maintenance. Ensure this is performed by a certified member.

INSPECT ANNYALLY At lest once a year, inspect the septic tank. Take note of the sludge and scum accumulation to determine pumping.
Aseptic tank also requires pumping if the tank has 300 mm of sludge in its first compartment, or if the top of the sludge comes within 45 cm of the bottom of the baffle or dip pipe or the bottom of the scum comes within about 7.5 cm of the bottom of the baffle or dip pipe.

Have your tank pumped out and system inspected every 3 to 5 years by a licensed septic contractor, (ROWP) MAINTENANCE PROVIDER, years depending on the system type, size, demand, use and your annual inspection.

As this is not a pleasant task, most homeowners hire a licensed septic tank contractor. (ROWP) The septic system location map provided by the builder should show where the inspection ports are found. It's a good idea to mark them on the lawn some people use a flat paving stone so that they can be located easily.

Learn the location of your septic system and drainfield. Keep a sketch of it handy for service visits. If your system has a flow diversion valve, learn its location, and turn it once a year. Flow diverters can add many years to the life of your system.

Pumping a tank more often than is required is much better than leaving it to the last minute. Pumping the tank in the spring allows the biological action to reestablish quicker during the warm summer months. It is not necessary to thoroughly scrub and flush the septic chamber. The small amount of sludge that remains on the floor and walls will reseed the septic tank and contribute to the reestablishment of its normal operation.

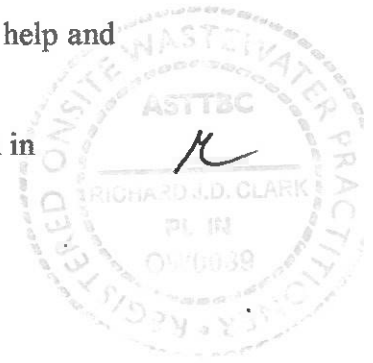
Keep sump pumps and house footing drains away from the septic system as well.

DO NOT allow anyone to drive or park over any part of the system. The area over the drainfield should be left undisturbed with only a mowed grass cover. Roots from nearby trees or shrubs may clog and damage your drain lines.

DO NOT make or allow repairs to your septic system without obtaining the required permit. Use professional licensed septic contractors when needed. (ROWP)

DO NOT use commercial septic tank additives. These products usually do not help and some may hurt your system in the long run.

DO NOT use caustic drain openers and cleaners. DO NOT use detergents high in phosphorous.



DO NOT use your toilet as a trash can by dumping non degradables down your toilet or drains.

DO NOT pour or flush harmful chemicals or any medications into the system. They kill the beneficial bacteria that treat your wastewater.

DO NOT erect any building, swimming pools etc. over any part of your on site system.

DO NOT change the landscape elevation over any part of your onsite system.

DO NOT allow heavy cloven footed animals over any part of your onsite system.

DO NOT increase the amount of sewage flowing into the system by adding bedrooms or basement suites etc. before consulting with your ROWP contractor.

DO NOT use any so called septic additives. There are no additives on the market that help your system but there are many that can seriously harm it.

DO NOT install automatic lawn sprinklers over the septic field.

DO NOT allow water softeners systems to backwash into your system they do not allow bacteria do their job in the septic tank and may clog your system.

Garberators are not authorized for use with a septic system.

Section 10 of the Sewerage system regulation requires that an owner ensure that a sewerage system on the owner's land is maintained in accordance with the maintenance plan provided. Any ROWPchanges or modifications to the planned system that has been installed by your will void all warranties. Not following the maintenance plan provided by your Installer will void all warranties.

Signs of Trouble

How do you spot if there is something wrong with your septic system? Watch for the telltale signs listed below. If you encounter any of these problems follow the instructions outlined.

Extra plant growth over leaching bed.
Grass over the leaching bed may stay green even during droughts. This is normal, because it is being watered from below. However, excessive growth may be a sigh that water leaving the bed still contains organic material and or the bed may be saturated. Have the levels in the septic tank checked: If that is not the problem, have the leaching bed itself checked through the observation port holes.

Brown or burnt looking areas in grass over leaching bed.
While this can be expected during severe droughts, brown areas at other times may indicate the system is too full. Have levels in the septic tank and or the leaching bed checked.

Leaching bed area is frequently wet and spongy.
Water may not be draining properly; pipes may be clogged; too much water may be going through system. (check your do's and DO NOT's)

Sewage odors in leaching bed area.
Solids may not be getting broken down properly; water may not be draining properly; pipes may be clogged.

Black oily liquid pooling or bubbling on the surface.
Serious problems call your local approved authority immediately. And your (ROWP)

Maintenance to be completed by a *Certified Maintenance Provider*

Maintenance LOG:

Date	Type	Maintenance Performed	Company	Signature
	Installation	Installed Septic Tank and all connections	R Davis	
	Installation	D Box and filter in septic tank	Rick Davis	
	Installation	Septic field	Rick Davis	

REGISTERED ONSITE WASTEWATER PRACTITIONER
ASTTBC
RICHARD J.D. CLARK
PL IN
OW0089

Interior Health

POSTED Oct 2/12

RECORD OF SEWERAGE SYSTEM

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# 20-789 10117005

☑ NEW CONSTRUCTION ☐ REPAIR ☐ ALTERATION ☐ AMENDMENT/UPDATE ONLY (no charge) ☐ ORDER ATTACHED

1. LOT INFORMATION (Where sewerage system is to be constructed)

LEGAL DESCRIPTION: PARCEL:A, PLAN:1962, Sec:23, Twp:22, Rg:11, Meridian W6

STREET ADDRESS OR GENERAL LOCATION: 1897 Blind Bay Rd | CITY: SORRENTO | POSTAL CODE: V0E 2W0

2. OWNER INFORMATION

NAME OF LEGAL OWNER OR STRATA CORPORATION: Helmut Eckert | MAILING ADDRESS (PO BOX #, SUITE #, STREET #, STREET NAME): 6107 Baroc Rd NW

CITY: Calgary | PROVINCE: AB | POSTAL CODE: T3A 4R6 | TELEPHONE NUMBER: 403-803-3879

3. AUTHORIZED PERSON INFORMATION

NAME OF AUTHORIZED PERSON: Richard Clark | MAILING ADDRESS (PO BOX #, SUITE #, STREET #, STREET NAME): 17-2680 Golf Course dr.

CITY: Blind Bay | PROVINCE: BC | POSTAL CODE: V0E 1H1 | TELEPHONE NUMBER: 250-804-5453 | REGISTRATION NUMBER: OW0089

4. FACILITY INFORMATION

SEWERAGE SYSTEM WILL SERVE: ☑ SINGLE FAMILY DWELLING ☐ DUPLEX ☐ OTHER (SPECIFY):

NO. OF BEDROOMS	EST. DAILY SEWAGE FLOW (l/day)	TOTAL LIVING AREA (m^2) INCL. FINISHED BSMT	LOT SIZE (ha)
3	350 gpd.	2400 sq.ft	average

5. SITE INFORMATION

DISTANCE OF PROPOSED DISCHARGE AREA FROM (IN METRES):

NA	WATER LINES	NA	STREAM OR LAKE
NA	BREAKOUT POINT	NA	NEIGHBOURING WELLS
100+	OWN WELL	NA	DOMESTIC WATER

DEPTH OF EXISTING FILL IN THE DISCHARGE AREA (cm): 0 | TOTAL DEPTH TO HIGHEST WATER TABLE OR RESTRICTIVE LAYER (cm): NA | ☑ SOIL TEXTURE AND STRUCTURE INFO ATTACHED ☐ PERMEAMETER AND/OR PERCOLATION RATES ATTACHED

DISCHARGE AREA WILL BE <30m TO ANY SOURCE OF DRINKING WATER: ☐ YES ☑ NO | SLOPE (%): 3%

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)	TOTAL FINISHED DEPTH TO HIGHEST WATER TABLE OR RESTRICTIVE LAYER (cm)	TREATMENT METHOD	IF TYPE 2 OR 3 IS PROPOSED, GIVE: MAKE: / MODEL:	TREATMENT CAPACITY (l/day)
90+	90+	☐ 1 ☑ 2 ☐ 3	MAKE: ENVIRO	1500 l/D.

SEPTIC TANK MANUFACTURER	MATERIAL OF SEPTIC TANK	LIQUID VOLUME OF TANK(S)(litres)	EFFLUENT PUMP
Leko	Concrete	1200 gal.	☐ YES ☑ NO

DISCHARGE AREA: ☑ BED ☐ TRENCH ☐ OTHER (SPECIFY): ☐ SAND MOUND ☐ LAGOON: SIZE (m^2) _____

METHOD OF EFFLUENT DIST: ☑ GRAVITY ☐ PRESSURE ☐ OTHER | LOADING RATE (l/day/m^2): ~7

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:

AUTHORIZED PERSON'S SEAL

OFFICE USE ONLY

RECEIVING OFFICE DATE: RECEIVED SEP 28 2012 SALMON ARM ENVIRONMENTAL HEALTH INTERIOR HEALTH

FILING OFFICE DATE: PAID SEP 28 2012 R# 426510.

DATE: 27 Sept 2012 | RECEIPT NUMBER: 426510 | FILING NUMBER: 14-283-00964

820082 Feb 07

Distribution: White - Health Protection Canary - Owner Pink - Building Authority Blue - Authorized Person

Septic System:
Perk Test
&
Design

Helmut Eckert

1897 Blind Bay Rd
Sorrento BC

789 10117005

Parcel A
Plan:1962, Sec:23, Twp:22, Rg:11 Meridian W6

Prepared by: Richard Clark (ROWP)
27 Sept 2012

Matrix

Tax Assessment Full

Tax Record Detail

DB Modified: 2012/08/23
Prop Mod: 2012/05/16

Jurisdiction: 789 Salmon Arm Rural
Roll No: 10117005
Address: 1897 BLIND BAY Road

PID/MHR Details

PID No: 014-681-731
MHR(s):

Municipal Taxes

Tax Year: 2011 Gross Txs: $4,859

Actual Values

Year: 2012 Land: $706,000 Imprvmnts: $118,000 Total: $824,000

Taxable Values

Municipal	Land	Imprvmnts	Total	Sch/Hosp	Land	Imprvmnts	Total
Gross:	$706,000	$118,000	$824,000	Gross:	$706,000	$118,000	$824,000
Exmpt:	$	$	$	Exmpt:	$	$	$
Net:	$706,000	$118,000	$824,000	Net:	$706,000	$118,000	$824,000

Legal Description

Plan: 1962
Section: 23
L.D.: 25 Kamloops Div of Yale
Lot:
Tnshp: 22
Block:
Range: 11
Dist Lot:
Meridian: 6
Freeform: Parcel A, Meridian W6, (KC71157) EXC PL 43574 H759.

Lot Size

SqFt: Width: Acres: 2.15 Depth:

Last Three Sales per BCA

Year	Month	Price	Title	Type
2012	2	$780000	CA2381880	Improved Single Property Cash Transaction
2009	5	$545500	LB310807	Reject - Not Suitable for Sales Analysis
2000	6	$136500	KP57467	Reject - Not Suitable for Sales Analysis

Exemption/Taxation Code

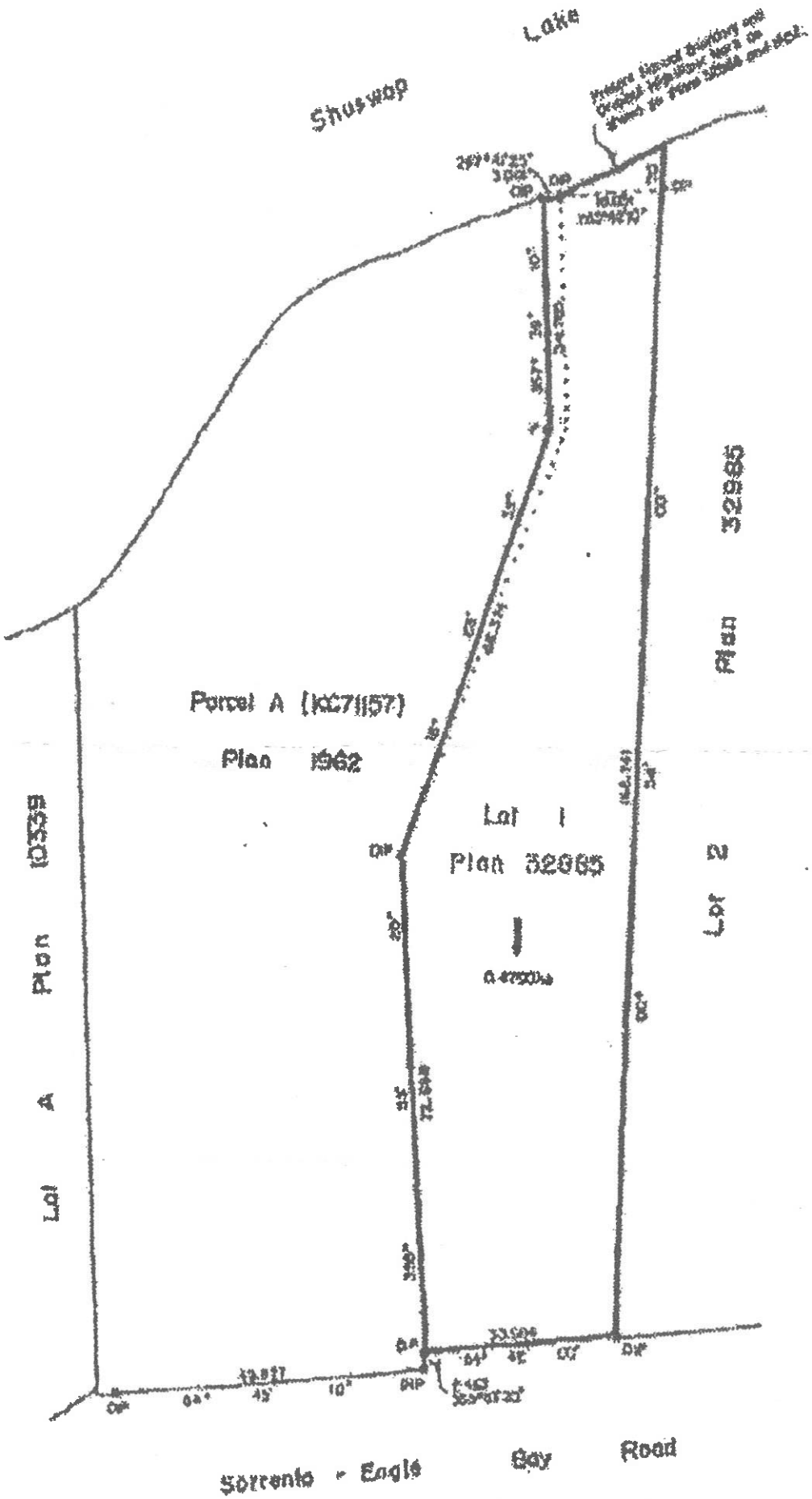
Nghbrhd:
Actual Use: 2 Acres or More (Single Family Dwelling / Duplex
Tenure: Crown-Granted
Equity: Registered Owner

Miscellaneous Codes

School Dist: 83
Reg Dist: 08
Elect Area: C
Indian Band:
Impr Dist:
Local Area:
Spc/Df Ar: 34JKS

Owner Information

Owner 1 Address: 6107 BAROC RD NW
CALGARY AB
T3A4R6
Owner 2 Address:
Owner 3 Address:
Owner 4 Address:


Lake
Shuswap
Parcel A (KC71157)
Plan 1962
Lot 1
Plan 32985
Lot A
Plan 10359
Plan 32985
Lot 2
Sorrento - Eagle Bay Road

Soil Constraints for Subsurface Septic Tank Effluent Absorbtion

Client:	**Helmut Eckert**	**Date:**	**27 Sept 2012**
Site Location:	**1897 Blind Bay Rd Sorrento BC**		
Legal Description:	**Parcel A Plan:1962, Sec:23, Twp:22, Rg:11 Meridian W6**		

Test Pit #	Soil Type	Land Slope %	Depth to Restrictive Layer (m)	Depth to Top Soil Mottling (m)	Root Depth (m)	Water Table (m)	Seasonal High Water Table (Estimate)	Percolation Rate (inch per) (min)	Permeameter Ksf (mm/day)	Stones (%)	Coarse Fragments (%)	Flooding Interval (yrs)
1	FLS w/Broken Slate	1%	48"	1"	38"	Na	Na	8 min 12sec	Na	40%"	20%	0
2												
3												
4												

Soil Type Code

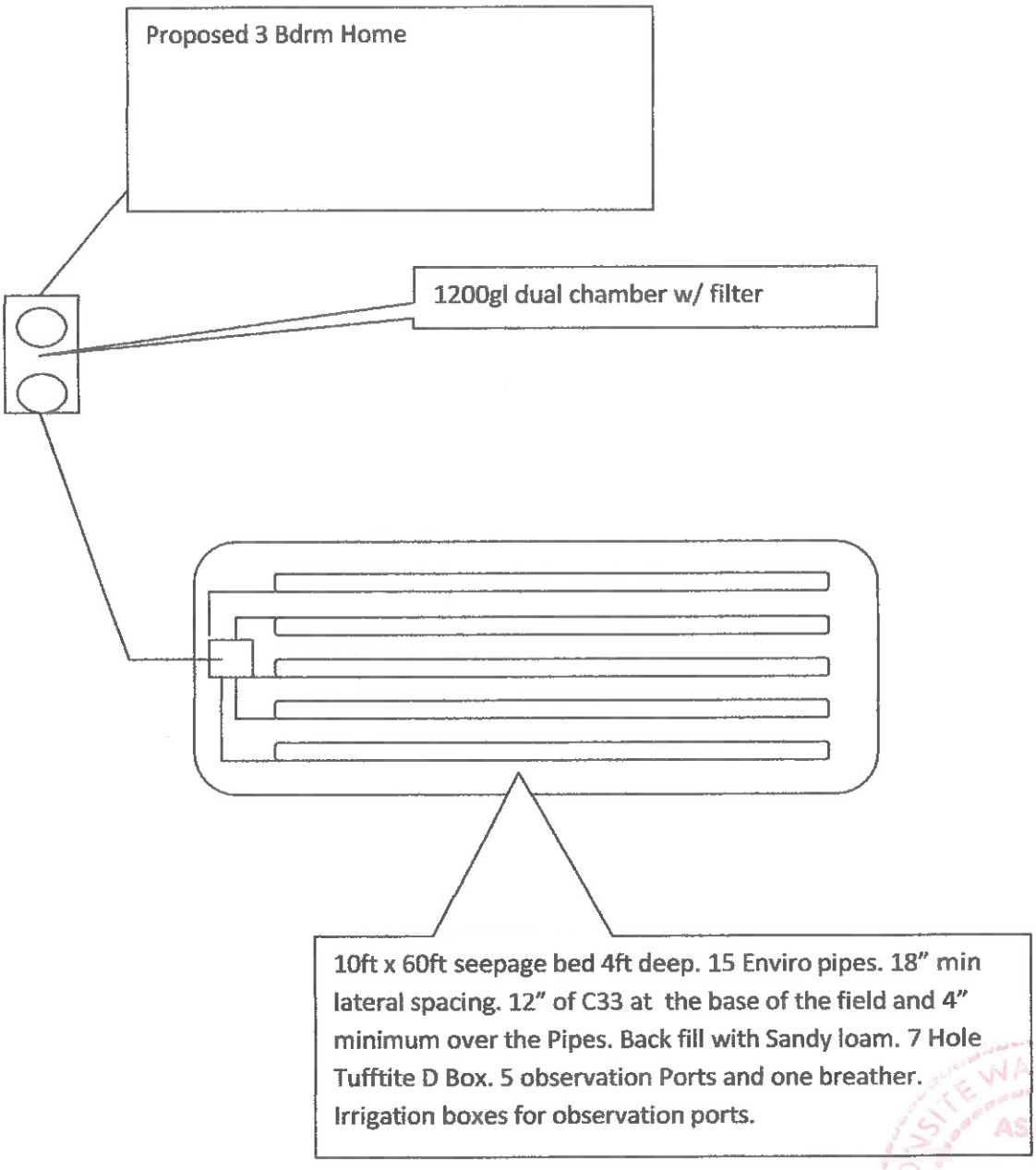
CLS	**Coarse Loamy Sand**	**SiCL**	**Silty Clay Loam**
FLS	**Fine Loamy Sand**	**SC**	**Sandy Clay**
SL	**Sandy Loam**	**C**	**Clay**
L	**Loam**	**SiC**	**Silty Clay**
SiL	**Silty Loam**	**HC**	**Heavy Clay**
CGS	**Coarse Gravel Sand**	**S**	**Sand**
CL	**Clay Loam**	**Si**	**Silt**

SPECIFICATIONS

Building Type:	3 Bdrm
Daily Design flow: (Q)	300
Hydraulic Loading Rate (HLR)	0.7
Site Constraint Class:	SC2
Treatment and Disposal Type:	Gravity seepage Enviro Pipes
Area of Field: (A = Q/HLR)	500
Discharge area	500 ft
Total Seepage area	500 ft
Number of Pipes (#)	15 x 10 ft pipes
C33 Sand	60 yrds Certified 2ft from edges minimum. 12" at the base of bed
Lateral Spacing:	18" center to center
Minimum Tank Size:	1200 gal
Septic Tank Type & Make:	Leko dual compartment
Distribution Box Type & Make:	Tufftite 7 hole
Field Pipe Size & Type:	4" CSA Solid
House to Tank	4" CSA solid
Observation Ports	5
Breather with 4" cap	1
Irrigation boxes	5
List of materials to follow	

REGISTERED ONSITE WASTEWATER PRACTITIONER
ASTTBC
RICHARD J.D. CLARK
PL IN
OWP0089

1897 Blind Bay Rd Sorrento BC



REGISTERED ONSITE WASTEWATER PRACTITIONER
ASTTBC
RICHARD J.D. CLARK
PL IN
OW0089

Maintenance Plan

The septic tank is a crucial component of your on-site sewage system. It is a watertight tank designed for the storage and treatment of a minimum of 3 days worth of sewage flow generated from a dwelling. This sewage then is allowed to enter into the septic field.

Bacteria entering with the raw sewage into the septic tank naturally digest the sewage. This bacterium literally eats the solid sewage particles and turns them into liquids and gasses. The by product of this biological process is left in the bottom of the tank as sludge, and at the top of the tank as the crust.

This sludge and crust has to be removed (pumped) when the clear zone between the crust and sludge is less than one day's flow of sewage from a dwelling.

This sludge crust accumulation usually takes between 3 and 5 years to accumulate to the point of requiring pumping.

How system failures can occur.

If septic tank maintenance is left longer than recommended a large amount of small raw sewage particles will leave the septic tank through the outlet and enter the septic field. If too many sewage particles enter the field they will plug up the pores of the soil and not allow the sewage effluent to be dispersed in the soil. This will cause a failure in the system noticed by back ups or sewage water on the surface of the yard.

The septic tank and field are the most economical and environmental wise way to treat and disperse sewage generated from residential homes. Onsite sewage systems are installed in approximately 25% to 30% of all homes in BC. They are a simple, natural, and safe way to recharge the underground aquifers.

Continuous adherence to the following steps will comply with your system's maintenance plan. Conserve water in your home. All water used inside the home needs to be treated in the septic system.

Space out your heavy water usage over the day and the week. For example, one load of laundry per day during the week is better than 7 loads on one day.

Fix any leading tap or toilet. A toilet that runs will waste between ¼ and ½ gallon of water per minute. That's 720 gallons per day, and over twice the amount a normal three bedroom house's septic system is designed to treat and disperse.

Check annually for any soft or wet spots showing up in the area where the septic field is located. If there is any indication of a small problem it is easier and much cheaper to fix before it becomes necessary to replace your entire drain field. Take leftover hazardous household chemicals to your approved hazardous waste collection center for disposal.

AVOID using bleach, disinfectants, and drain and toilet bowl cleaners. I you must, use them sparingly and in accordance with product labels.

Do divert roof drains and surface water from driveways and hillsides away from the septic system.

KEEP a record of pumping, inspections, and other maintenance. Ensure this is performed by a certified member.

INSPECT ANNYALLY At lest once a year, inspect the septic tank. Take note of the sludge and scum accumulation to determine pumping.
Aseptic tank also requires pumping if the tank has 300 mm of sludge in its first compartment, or if the top of the sludge comes within 45 cm of the bottom of the baffle or dip pipe or the bottom of the scum comes within about 7.5 cm of the bottom of the baffle or dip pipe.

Have your tank pumped out and system inspected every 3 to 5 years by a licensed septic contractor, (ROWP) MAINTENANCE PROVIDER, years depending on the system type, size, demand, use and your annual inspection.

As this is not a pleasant task, most homeowners hire a licensed septic tank contractor. (ROWP) The septic system location map provided by the builder should show where the inspection ports are found. It's a good idea to mark them on the lawn some people use a flat paving stone so that they can be located easily.

Learn the location of your septic system and drainfield. Keep a sketch of it handy for service visits. If your system has a flow diversion valve, learn its location, and turn it once a year. Flow diverters can add many years to the life of your system.

Pumping a tank more often than is required is much better than leaving it to the last minute. Pumping the tank in the spring allows the biological action to reestablish quicker during the warm summer months. It is not necessary to thoroughly scrub and flush the septic chamber. The small amount of sludge that remains on the floor and walls will reseed the septic tank and contribute to the reestablishment of its normal operation.

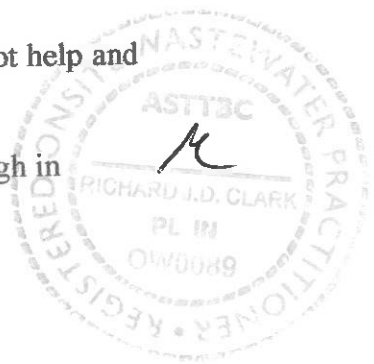
Keep sump pumps and house footing drains away from the septic system as well.

DO NOT allow anyone to drive or park over any part of the system. The area over the drainfield should be left undisturbed with only a mowed grass cover. Roots from nearby trees or shrubs may clog and damage your drain lines.

DO NOT make or allow repairs to your septic system without obtaining the required permit. Use professional licensed septic contractors when needed. (ROWP)

DO NOT use commercial septic tank additives. These products usually do not help and some may hurt your system in the long run.

DO NOT use caustic drain openers and cleaners. DO NOT use detergents high in phosphorous.



DO NOT use your toilet as a trash can by dumping non degradables down your toilet or drains.

DO NOT pour or flush harmful chemicals or any medications into the system. They kill the beneficial bacteria that treat your wastewater.

DO NOT erect any building, swimming pools etc. over any part of your on site system.

DO NOT change the landscape elevation over any part of your onsite system.

DO NOT allow heavy cloven footed animals over any part of your onsite system.

DO NOT increase the amount of sewage flowing into the system by adding bedrooms or basement suites etc. before consulting with your ROWP contractor.

DO NOT use any so called septic additives. There are no additives on the market that help your system but there are many that can seriously harm it.

DO NOT install automatic lawn sprinklers over the septic field.

DO NOT allow water softeners systems to backwash into your system they do not allow bacteria do their job in the septic tank and may clog your system.

Garberators are not authorized for use with a septic system.

Section 10 of the Sewerage system regulation requires that an owner ensure that a sewerage system on the owner's land is maintained in accordance with the maintenance plan provided. Any ROWPchanges or modifications to the planned system that has been installed by your will void all warranties. Not following the maintenance plan provided by your Installer will void all warranties.

Signs of Trouble

How do you spot if there is something wrong with your septic system? Watch for the telltale signs listed below. If you encounter any of these problems follow the instructions outlined.

Extra plant growth over leaching bed.
Grass over the leaching bed may stay green even during droughts. This is normal, because it is being watered from below. However, excessive growth may be a sigh that water leaving the bed still contains organic material and or the bed may be saturated. Have the levels in the septic tank checked: If that is not the problem, have the leaching bed itself checked through the observation port holes.

Brown or burnt looking areas in grass over leaching bed.
While this can be expected during severe droughts, brown areas at other times may indicate the system is too full. Have levels in the septic tank and or the leaching bed checked.

Leaching bed area is frequently wet and spongy.
Water may not be draining properly; pipes may be clogged; too much water may be going through system. (check your do's and DO NOT's)

Sewage odors in leaching bed area.
Solids may not be getting broken down properly; water may not be draining properly; pipes may be clogged.

Black oily liquid pooling or bubbling on the surface.
Serious problems call your local approved authority immediately. And your (ROWP)

Maintenance to be completed by a *Certified Maintenance Provider*

Maintenance LOG:

Date	Type	Maintenance Performed	Company	Signature
	Installation	Installed Septic Tank and all connections	R Davis	
	Installation	D Box and filter in septic tank	Rick Davis	
	Installation	Septic field	Rick Davis	

REGISTERED ONSITE WASTEWATER PRACTITIONER
RICHARD J.D. CLARK
PL IN
OWI0089
ASTTBC