

Certificate of Satisfactory Completion

Installation of this onsite wastewater treatment system has been determined to comply with the applicable requirements in Oregon Administrative Rules Chapter 340, Divisions 071 and 073 and the conditions of Permit OS406085 as follows:

PROPERTY INFORMATION

Property Owner: **Osburn-Olson, L.L.C. dba: Osburn-Olson, L.L.C.** **Township 07N, Range 10W, Section 34 CD**
Property Location: **Bailey Lane, Gearhart** **Tax Lot 502**
Facility Type: **Single Family Dwelling** **Clatsop County**
3 Bedrooms

SPECIFICATIONS AND REQUIREMENTS

System type: Sand Filter: Bottomless - Residential

Design Flow: **450 gals/day**
Minimum Septic Tank Size: **1000 gals**
Minimum Dosing Tank Size: **500 gals**
Distribution Type: **Pressurized**
Sand Filter: **360 SqFt**
Media Type: **N/A**
Maximum Trench Depth: **6 inches**

ADDITIONAL CONDITIONS

- 1 In accordance with Oregon Revised Statute 454.665, this Certificate of Satisfactory Completion is issued as evidence of satisfactory completion of an onsite wastewater treatment system at the location identified above.
- 2 Issuance of this Certificate does not constitute a warranty or guarantee that this onsite wastewater treatment system will function indefinitely without failure. Conditions imposed as permit requirements continue for the life of the system.
- 3 The area of the initial and the identified replacement area must not be subjected to activity that is likely to adversely affect the soil or the functioning of the system. Such activities may include, but are not limited to, vehicular traffic, livestock, covering the area with asphalt or concrete, filling, cutting, or other soil modification activities.
- 4 This onsite wastewater treatment system must be maintained in compliance with the rules referenced herein within 5 years of the issuance of this Certificate of Satisfactory Completion (CSC) or rules for authorization notices, alteration permits, or construction-installation permits as outlined in OAR 340-071-0160, 340-071-0205, or 340-071-0210 apply, including payment of an additional fee.
- 5 This system must operate in compliance with OAR Chapter 340, Division 071 and must not create a public health hazard or pollute public waters.

6 Unless otherwise required by the agent, the system installer must backfill (cover) this system within 10 days after the issuance of this Certificate of Satisfactory Completion.

SYSTEM INSPECTIONS AND COMPLETION DATES

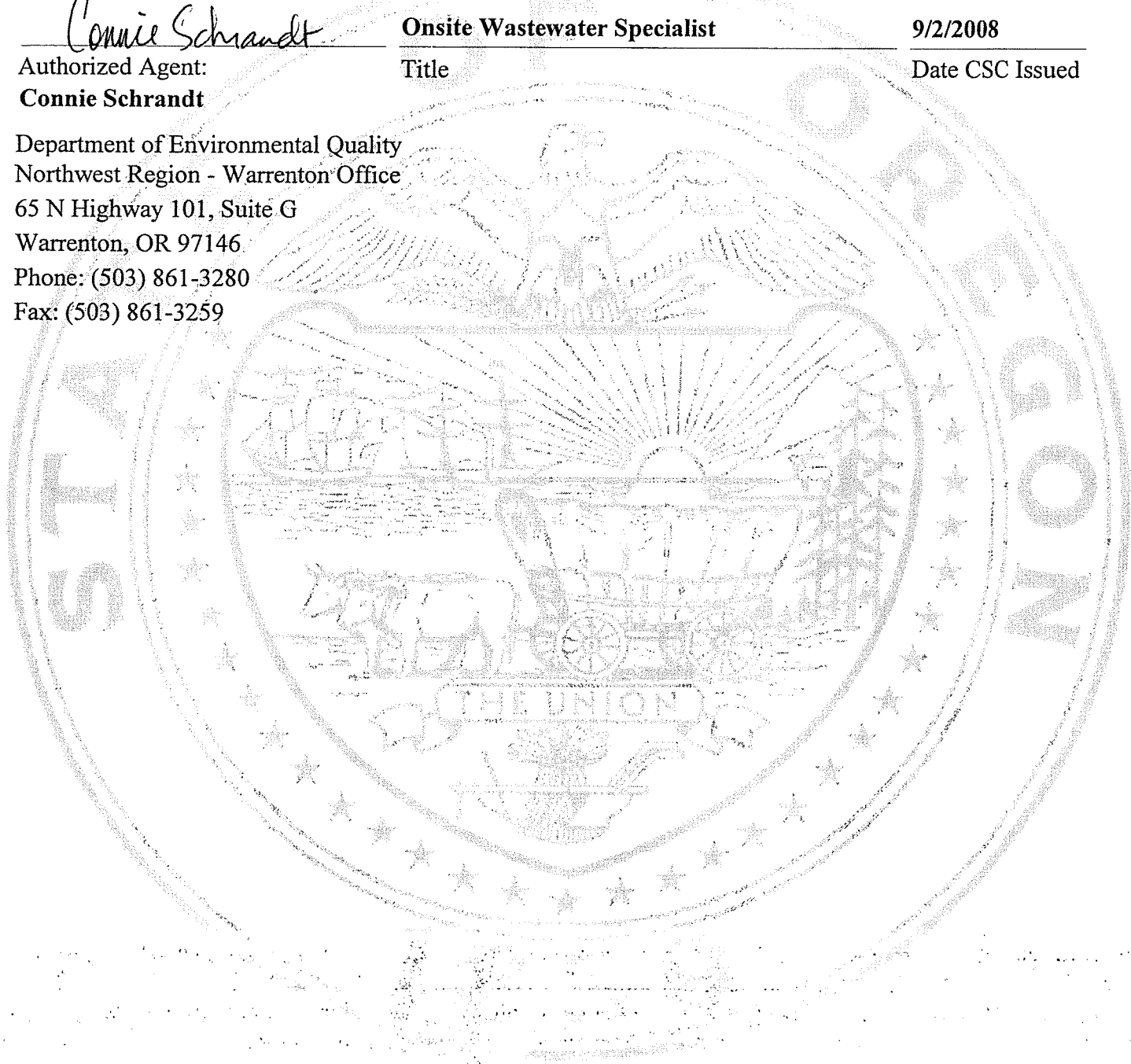
Pre-Cover Inspection by Connie Schrandt on 9/2/2008

Installer Name: Osburn-Olson, L.L.C.: dba Osburn-Olson, L.L.C.

To be valid, this document must be signed by an "Agent" as defined in OAR 340-071-0100.

<u>Connie Schrandt</u>	<u>Onsite Wastewater Specialist</u>	<u>9/2/2008</u>
Authorized Agent:	Title	Date CSC Issued
Connie Schrandt		

Department of Environmental Quality
Northwest Region - Warrenton Office
65 N Highway 101, Suite G
Warrenton, OR 97146
Phone: (503) 861-3280
Fax: (503) 861-3259



Final Inspection Request and Notice - Onsite ID: 406085

Pursuant to the requirements within ORS 454.665, OAR 340-071-0170 and OAR 340-071-0175, the system installer and/or the permittee must notify the Department of Environmental Quality (or its authorized Agent) when the construction, alteration or repair of a system for which a permit was issued is completed and prior to backfilling or covering the installation. The Department (or Agent) has 7 days to perform an inspection of the completed construction/installation following the official notice date, unless the Department (or Agent) elects to waive the inspection and authorizes the system to be backfilled. Receipt and acceptance of this completed form by the Department (or Agent) establishes the official notice date of your request for the pre-cover inspection. Faxed copies are acceptable for inspection request purposes only. Originals must be received before a Certificate of Satisfactory Completion is issued. Please complete sections 1 through 4 on the form and return it to the office that issued the permit. Forms that are determined to be incomplete will be returned.

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
SEP 2 2008
NORTH COAST BRANCH OFFICE
WARRENTON

SECTION 1: Owner/Permittee Information:

Township 07N, Range 10W, Section 34 CD

Name: Osburn-Olson, L.L.C. dba: Osburn-Olson, L.L.C. Clatsop County TaxLot#: Tax Lot 502

Property Bailey Lane, Gearhart
Address:

SECTION 2: System Component Specifications

A. Tanks/Pumps		System Type: Sand Filter: Bottomless - Residential			Water tight verification*
Tanks(1)	Volume: <u>1500</u>	Compartments: <u>2</u>	Manufacturer: <u>WILLAMETTE GREYSTONE</u>		Date: <u>8/28/08</u>
Tanks(2)	Volume:	Compartments:	Manufacturer:		Date:
Pump(s)	HP: <u>1/2</u>	Model/Manuf. <u>OREVCO PA3005</u>	Float(s)Type(1): <u>MF</u>	Model/Manuf. <u>OREVCO "A" 3EA</u>	
			Float(s)Type(2):	Model/Manuf.:	

B. Piping					
Effluent Sewer (tank to drainfield)	Yes	No	Diameter:	ASTM#/Other:	Length:
Pressure Transport Pipe	Yes <input checked="" type="checkbox"/>	No	Diameter: <u>1 1/4"</u>	ASTM#/Other: <u>D1785</u>	Length: <u>25'</u>

C. Secondary Treatment Unit:					
Sand Filter**	Yes <input checked="" type="checkbox"/>	No	Type: <u>BOTTOMLESS</u>	Container Dimensions: <u>10' x 36'</u>	
Underdrain pipe	Diameter:		ASTM#/Other:		Length:
Manifold piping	Diameter: <u>1 1/4"</u>		ASTM#/Other: <u>PVC D1785</u>		Length: <u>7 1/2'</u>
Internal Pump	HP:		Model/Manufacturer		
Floats(1)	Type:		Model/Manufacturer		
Floats(2)	Type:		Model/Manufacturer		
ATT	Yes	No <input checked="" type="checkbox"/>	Model:		
Certified Maint.	Provider Name:				
Operation and Maint.	Contract Received?	Yes	No <input checked="" type="checkbox"/>		

D. Drainfield Media					
Type	(Gravel, Pipe or alternative?) <u>28 yds DEQ SAND; 7 yds DEQ PEAGRAVEL; 7 yds DRAIN ROCK</u>				
Distribution Box	Yes	No <input checked="" type="checkbox"/>			
Drop Box	Yes	No <input checked="" type="checkbox"/>			
Distribution Pipe	Yes <input checked="" type="checkbox"/>	No	Diameter: <u>3/4"</u>	ASTM#/Other: <u>PVC D1785</u>	Length: <u>TOTAL 87' 136'</u>

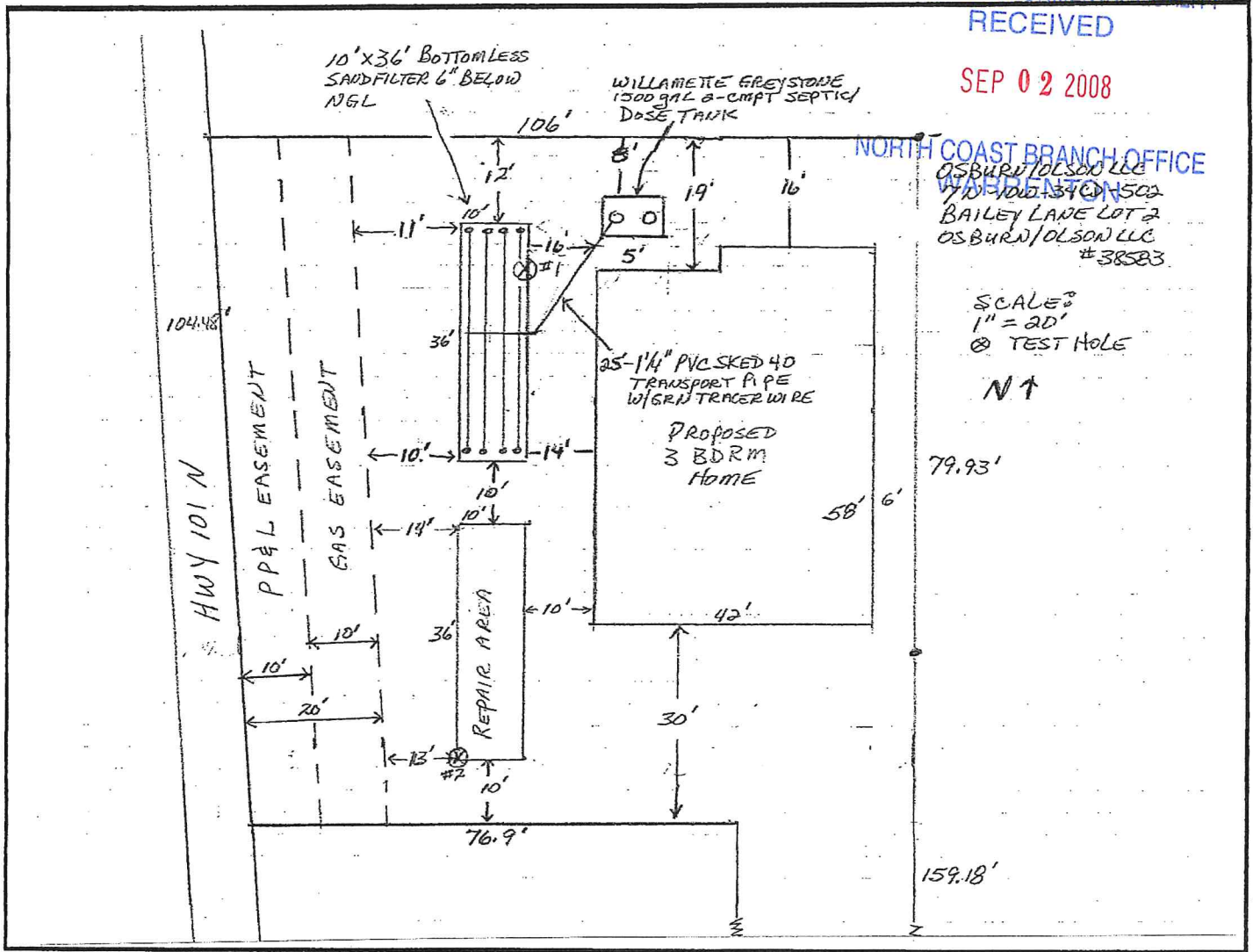
Comment _____

*All Tanks(s) were tested for water-tightness after installation and passed in accordance with OAR 340-073-0025(3)

**Attach sieve analysis for Underdrain Media and Filter Sand

SECTION 3 - As Built Plan

AS-BUILT PLAN OF THE CONSTRUCTED SYSTEM. Indicate the direction of NORTH. Show locations of all wells within 200 feet of the system. Show system setback distances from property lines, structures, wells, streams, etc.



SECTION 4 - Construction was performed by (Signature Required)

I certify that the information provided on both pages of this document is correct and that the construction of this system was in accordance with the permit and the rules regulating the construction of onsite wastewater treatment systems (OAR Chapter 340, Divisions 71 and 73).

Owner/Permittee or Certified Installer w/Certification#: Print Name: Scott Tomlin

Licensed Installer: Yes No License#: _____ Certification#: I 1091

Owner/ Certified Installer: Signature: Scott Tomlin Date: 9/2/08 Phone#: 503-440-1210

SECTION 5 - Office Use Only:

Notice Accepted Yes No Date: 9-2-08

Installer/Owner (Permittee) Notified: Yes No Date: 9-2-08

If No, Reason for Non Acceptance: _____

Comment: _____

FIELD WORKSHEET FOR FINE AGGREGATE

AUG 21 2008

PROJECT NAME (SECTION)				CONTRACT NUMBER	
CONTRACTOR OR SUPPLIER SCAPPOOSE SAND & GRAVEL			PROJECT MANAGER BOB		NORTH COAST WASHINGTON ARCH OFFICE WARRENTON
SOURCE NAME SCAPPOOSE SAND & GRAVEL			SOURCE NUMBER		MATERIAL SIZE 3/8 Pea Gravel
TEST NO. 1	DATE 3/17/2008	TIME PM	SAMPLED AT PRODUCTION		TO BE USED IN Underdrain Media

SIEVE SIZE	SPECS. LIMITS	SIEVE ANALYSIS						FM		
		MASS 1	MASS 2	MASS 3	MASS 4	TOTAL MASS	% RET	% PASS	ACCUMULATED	RETAINED
1/2"	100	0.0	0.0			0.0	0.0	100		
3/8"	85-100	0.0	0.0			0.0	0.0	100		
1/4"		651.4	614.8			1266.2	53.7	46		
#4	10-30	401.6	419.3			820.9	34.8	12		
#8	0-10	134.7	126.3			261.0	11.1	0		
#16	0-5	0.4	0.5			0.9	0.0	0		
#30		0.1	0.3			0.4	0.0	0		
#40		0.1	0.1			0.2	0.0	0		
#200	0-1.0	0.7	0.8			1.5	0.1	0.3		
PAN		0.8	0.3			1.1	0.0			
B = INITIAL DRY MASS:		2357.4		D = MASS AFTER SIEVING:		2352.2				

SIEVE SIZE	SPECS. LIMITS	FRACTURED PIECES				ELONGATED PIECES	
		NON FRAC MASS	QUESTIONABLE MASS	FRAC MASS	INDIVIDUAL FRAC %	TEST MASS	ELONG MASS

SET 176			
1	SP		
2	SR		
3	SR		
SR = Sand Reading		AVG.	
CL = Clay Reading			
PAN TARE		200	
WET SAMPLE & PAN			
DRY SAMPLE & PAN		2557.4	
WASH DRY & PAN		2552.2	

<input type="checkbox"/> DRY	<input checked="" type="checkbox"/> WET	RESULT	SPEC	A = WET SAMPLE WT. - PAN
Combine Fracture	TM 1			B = DRY SAMPLE WT. - PAN 2357.4
Wood Particles	TM225			C = DRY WT AFTER WASH - PAN 2352.2
Glenness Value	TM 227			REMARKS :
Elongated Pieces	TM 229			OSBURN/OLSON LLC
Fineness Modulus	T 27/T11			#38583
MOISTURE % = ((A-B) / B) X 100				Connie M. Schrandt, W.W.S.
SIEVE LOSS % = ((C-D) / C) X 100		0.0%	0.3%	Lic. No. EN-W-760756
2.00mm / 6.3mm				3/21/08

<input checked="" type="checkbox"/> QUALITY CONTROL	<input checked="" type="checkbox"/> VERIFICATION	INDEPENDENT ASSURANCE	
CERTIFIED TECHNICIAN (PLEASE PRINT) AND CARD NUMBER		COMPANY NAME	SIGNATURE
LYNN RINGHEIM 1361		Glacier Northwest, Inc.	Lynn Ringheim 3/18/08

OSBURN/OLSON LLC
7N-10W-34CD-5D1
7N-10W-34CD-5D2
BAILEY LAKE LOT 1 & 2

DAVE & DORITA MILLER
7N-10W-34CD-511
BAILEY LAKE LOT 11

FROM : GLACIER NW

FAX NO. : 5035436999

May. 13 2008 12:08PM P1

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

AUG 21 2008

CLACKAMAS COUNTY FILTER SAND
5/6/2008

NORTH COAST BRANCH OFFICE
WARRENTON

SIEVE	IND. WT. RETAINED	IND. % RETAINED	ACC. % RETAINED	ACC. % PASSING
#4	20.5	1.81%	1.81%	98.19%
#8	79.7	7.03%	8.84%	91.16%
#16	200.9	17.71%	26.55%	73.45%
#30	232.5	20.50%	47.05%	52.95%
#50	446.0	39.33%	86.38%	13.62%
#100	144.9	12.78%	99.15%	0.85%
#200	3.4	0.30%	99.45%	-0.55%
PAN	0.7	0.06%	99.52%	0.48%
	1134.1	F.M.	2.70	

DRY WEIGHT BEFORE WASH - 1134.1

DRY WEIGHT AFTER WASH - 1128.8

ASTM TEST MEHTODS #C-117 AND #C-138 IN USE FOR ANALYSIS.

OSBURN/OLSON LLC DAVE DOWDITA MILLER
 7N-10W-34CD-501 7N-10W-34CD-511
 7N-10W-34CD-502 BAILEY LAKE LOT 11
 BAILEY LAKE LOT 1 & 2

OSBURN/OLSON LLC #38583

COMPANY NAME: GLACIER NORTHWEST, INC.
COLUMBIA RIVER SAND

CERTIFIED TECH: LYNN RINGHEIM ODOT# 41361

APPROVED
Connie M. Schrandt
 Connie M. Schrandt, W.W.S.
 Lic. No. EH-W-760756
 8/21/08

State of Oregon

Department of Environmental Quality

Onsite ID: **OS406085**
Expiration Date: **6/2/2009**

Construction-Installation Permit

This Construction-Installation Permit OS406085 authorizes the property owner to construct an onsite wastewater system as follows:

PROPERTY INFORMATION

Property Owner: **Osburn-Olson, L.L.C. dba: Osburn-Olson, L.L.C.** **Clatsop County**
Property Location **Bailey Lane, Gearhart** **Township 07N, Range 10W, Section 34 CD**
Facility Type: **Single Family Dwelling** **Tax Lot 502**
3 Bedrooms

SPECIFICATIONS AND REQUIREMENTS

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Minimum Dosing Tank Size: **500 gals**
DistributionType: **Pressurized**
Sand Filter: **360 SqFt**
Media Type: **N/A**
Maximum Trench Depth: **6 inches**

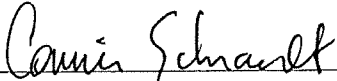
ADDITIONAL CONDITIONS

- 1 **IMPORTANT:** Current sieve analyses for particle size distribution of the sand filter media and the underdrain media, conducted in accordance with ASTM C-117 and ATM C-136, must be submitted to the DEQ for review and approval prior to placement during sand filter construction.
- 2 Meet all required setbacks.
- 3 The alarm and pump must be on separate circuits in the control panel.
- 4 The system must be installed by the property owner or a licensed sewage disposal business (installer).
- 5 The system must be installed in accordance with the plan approved by the agent, including any changes made by the agent.
- 6 Vehicular traffic and livestock must be restricted from the system area.
- 7 All roof drains must be directed away from the system.
- 8 An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division or the municipality with jurisdiction is required for all pump wiring installation.
- 9 All work is to conform to Oregon Administrative Rules, Chapter 340, Divisions 071 and 073. Make no changes in system location or specifications without written approval from the permit issuing agent.

INSPECTION REQUIREMENTS

- 1 A final inspection request and notice form including a detailed and accurate as-built plan of the constructed system and a list of all materials used in the construction of the system must be completed and submitted prior to requesting a final inspection.
- 2 A pre-cover inspection of the installed absorption facility (prior to backfill) is required.
- 3 A squirt test inspection of the pressurized piping system is required.
- 4 An inspection of the sand filter initial cut is required prior to installing sand filter media contents.

For pre-cover inspection information, contact your agent below:

	Onsite Wastewater Specialist	6/2/2008	6/2/2009
Authorized Agent:	Title	Date Issued	Expiration Date

Connie Schrandt

Department of Environmental Quality
Northwest Region, Warrenton Office
65 N Highway 101, Suite G
Warrenton, OR 97146
Phone: (503) 861-3280
Fax: (503) 861-3259

See the Attachment 1 for additional information about your permit.

MAY 20 2008

NORTH COAST BRANCH OFFICE

WARRENTON
OSBURN/OLSON LLC
7N-10W-34CD-502
BAILEY LAKE LOT 2
OSBURN/OLSON LLC
#38583

SCALE?
1" = 20'
⊗ TEST HOLE



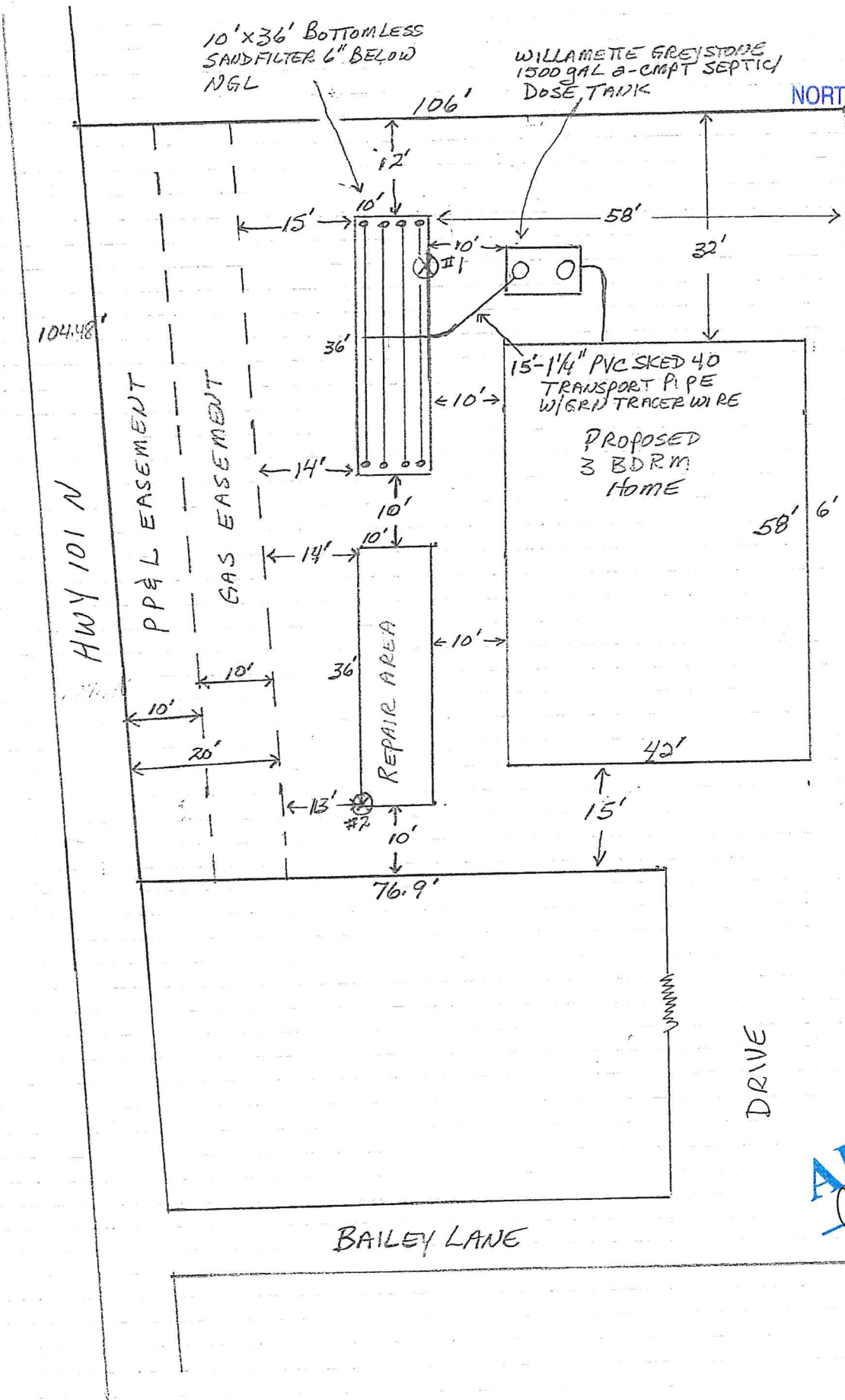
79.93'

5-29-08
checked
stakeout
CMS

159.18'

DRIVE

APPROVED
Connie M. Schrandt
Connie M. Schrandt, W.W.S.
Lic. No. EH-W-760756
6/2/08





MAY 20 2008

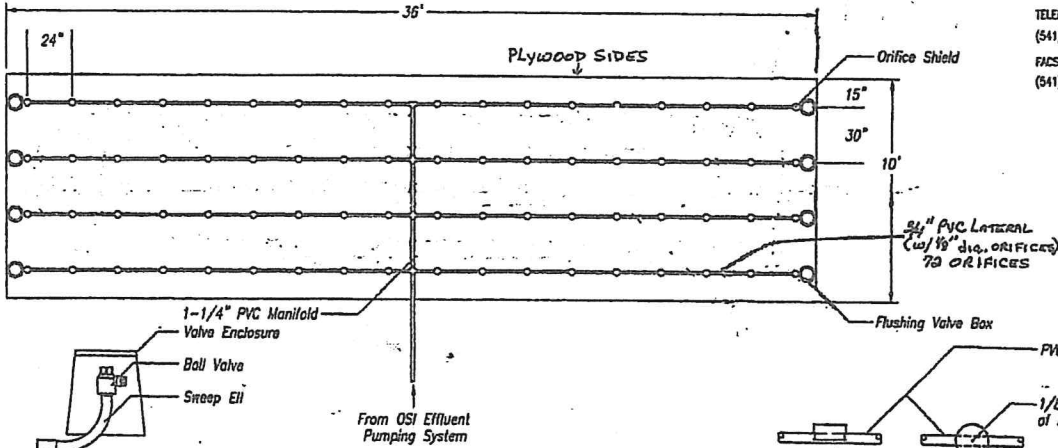
OREGON SYSTEMS
NORTH COAST BRANCH OFFICE
ARRENTON

814 AIRWAY AVENUE
SUTHERLAND, OREGON
97479-9012

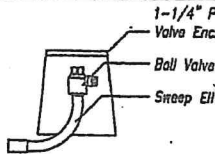
TELEPHONE:
(541) 459-4449
FACSIMILE:
(541) 459-2884

10'x36' Intermittent Sand Filter

* Configured for loading rates up to 1.25 GPD/FT.² Follow appropriate Intermittent sand filter design criteria.

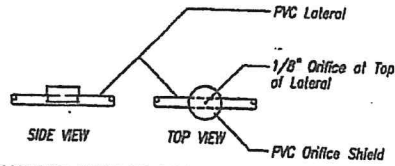


FLUSHING VALVE DETAIL



TOP VIEW - 10'x36' BOTTOMLESS SAND FILTER

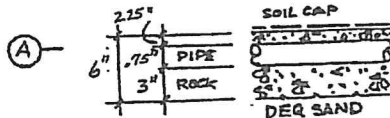
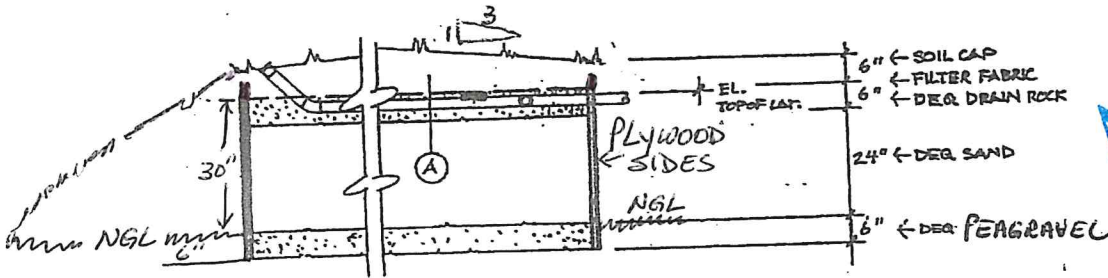
STANDARD ORIFICE SHIELD DETAIL



Patent # 5,360,556
© 1998, Orenco Systems, Inc.

OSBURN/OLSON LLC
7N-10W-34CD-502
BAILEY LAKE LOT 2
OSBURN/OLSON LLC
#38583

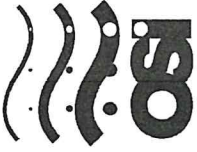
NDW-ISF-1036
Rev. 1.0 (2/98)



EL. NATURAL GRADE — 0.00'
EL. TOP OF MANIFOLD — + 3.50'
EL. PUMP BASE — — 5.00'
STATIC HEAD — — = 7.50'

**BOTTOMLESS SAND FILTER
MANIFOLD SECTION**

APPROVED
Connie M. Schrandt
Lic. No. EH-W-760756
6/2/08



Orengo Systems
Incorporated

814 AIRWAY AVENUE
SUTHERLIN, OREGON
97479

TOLL FREE:
(800) 348-9843

TELEPHONE:
(541) 469-4449

FACSIMILE:
(541) 469-2884

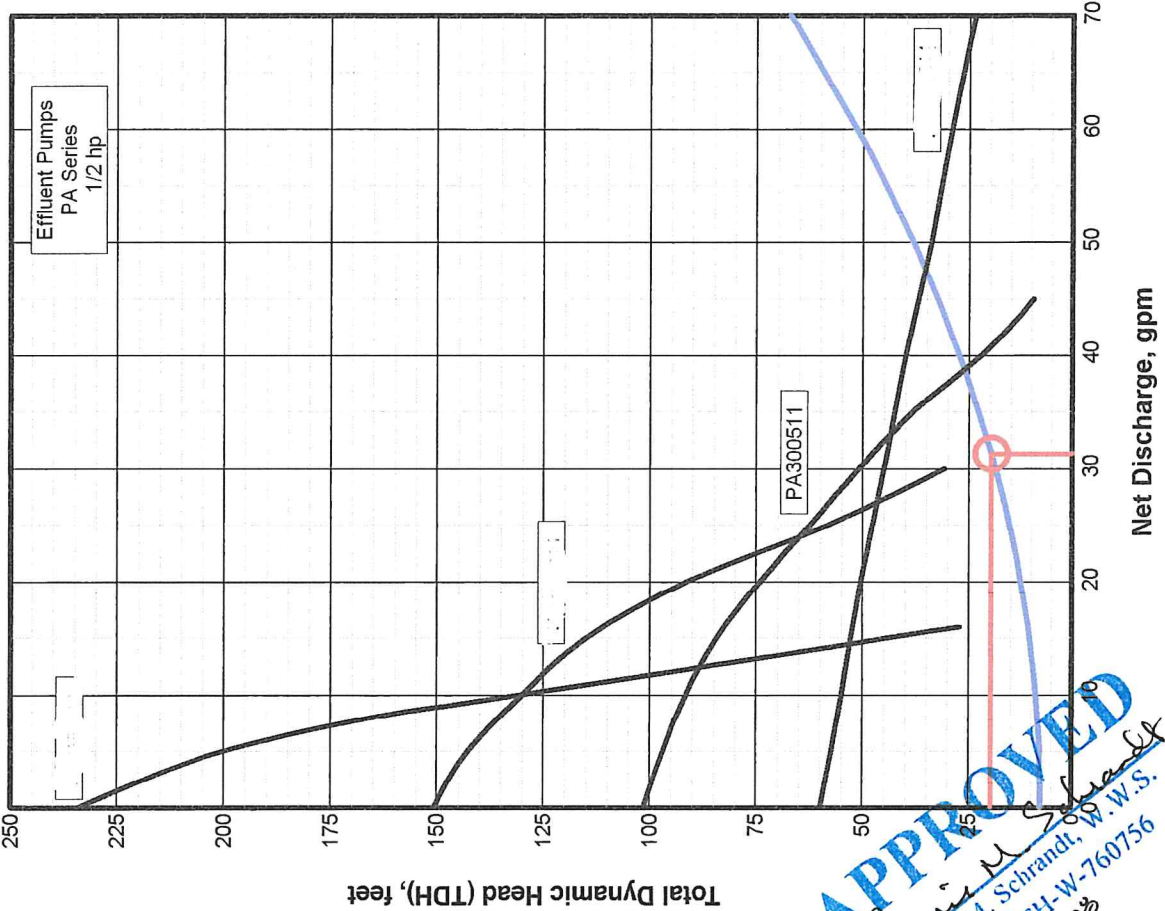
www.orengo.com

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NORTH COAST BRANCH OFFICE
WARRENTON

Osburn/Olson 7N-10W-34CD-502 Bailey Lane Lot 2
Osburn/Olson LLC #38583



APPROVED
Connie M. Schrandt, W.W.S.
Lic. No. EH-W-760756
6/2/08

Pump Selection for a Pressurized System

Input Parameters	
Orifice Size	1/8 inches
Residual Head at Last Orifice	5.0 feet
Orifice Spacing	2.00 feet
Number of Laterals per Cell	8
Lateral Length	17.0 feet
Lateral Line Size	0.75 inches
Lateral Pipe Class/Schedule	40
Distributing Valve Model	None
Manifold Length	7.5 feet
Manifold Line Size	1.25 inches
Manifold Pipe Class/Schedule	40
Lift to Manifold	7.5 feet
Transport Length	15.0 feet
Transport Line Size	1.25 inches
Transport Pipe Class/Schedule	40
Discharge Assembly Size	1.25 inches
Flow Meter	None inches
'Add-on' Friction Losses	0.0 feet

Calculations	
Minimum Flow Rate per Orifice	0.43 gpm
Number of Orifices per Zone	72
Total Actual Flow Rate	31.3 gpm
Number of Lines per Zone	8
% Flow Differential 1st and Last Orifice	1.7 %
Lift to Manifold	7.5 feet
Residual Head at Last Orifice	5.0 feet
Head Loss in Laterals	0.2 feet
Head Loss Through Distributing Valve	0.0 feet
Head Loss in Manifold	0.3 feet
Head Loss in Transport Pipe	1.8 feet
Head Loss Through Discharge	4.9 feet
Head Loss Through Flow Meter	0.0 feet
'Add-on' Friction Losses	0.0 feet
Total Flow Rate	31.3 gpm
TDH	19.7 feet



State of Oregon
Department of
Environmental
Quality

Application for Onsite Sewage Treatment System

Department of Environmental Quality
65 N Highway 101, Suite G
Warrenton, OR 97146

Phone/TTY: (503) 861-3280
Fax: (503) 861-3259

DEPT. OF ENVIRONMENTAL QUALITY
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MAY 20 2008
NORTH COAST BRANCH OFFICE
WARRENTON

For DEQ Use Only:
Date Received 5/20/08
Fee Paid 990⁰⁰
Receipt Number 134546
Application Number 406897
Date of 1st Response 5-29-08
Date of 2nd Response _____
Date of Final Response _____
Date of Completion _____
Scanned _____ Data Entry _____

A. Property Owner Information

Osburn/Olson LLC 1369 Stillwater Ct. Seaside, OR 97138 503-738-0969
Name Mailing Address (Street or PO Box, City, State, Zip Code) Phone Number

B. Legal Property Description

7N 10W 34CD 502 .33 acres
Township Range Section Tax Lot Tax Account Number Acreage or Lot Size
Clatsop Bailey Lane 2
County Subdivision Name Lot Block

Property Address: Bailey Lane Gearhart OR 97138
Address City State Zip Code

Directions to Property: From Warrenton go South on Hwy 101N to Shamrock Rd. Go about 50-75 ft past and turn left onto Bailey Lane, turn left on first driveway; Lot is at end of road.

C. Existing Facility / Proposed Facility / Water Information

Existing Facility: Single Family Residence Other _____
Number of Bedrooms _____

Proposed Facility: Single Family Residence Other _____
Number of Bedrooms 3

Water Supply: Public Gearhart
Name _____
 Private _____
Well, Spring, Shared _____

D. Type of Application

Site Evaluation Renewal Permit Authorization Notice for:
 Construction Permit Existing System Evaluation Connecting to an Existing System Not in Use
 Repair Permit Permit Transfer Replacing a Mobile Home or House with Another Mobile Home or House
 Major Minor Permit Reinstatement The Addition of One or More Bedrooms
 Alteration Permit Personal Hardship
 Major Minor Temporary Housing
 Other - Please Specify _____

If the required fee and attachments are not included with this application, it will be returned to you as incomplete. Post a flag or sign with your name and address at the entrance to the property. Flag and number the test holes.

By my signature, I certify that the information I have furnished is correct, and hereby grant the Department of Environmental Quality and it's authorized agents permission to enter onto the above described property for the sole purpose of this application.

George M. Owen 5/20/08
Signature Date
George Owen 503-717-8681
Applicant's Name - Please Print Legibly Applicant's Phone Number Applicant's E-mail Address

89647 Manion Dr Warrenton, OR 97146
Applicant's Mailing Address

Applicant is the Owner Authorized Representative Licensed Septic Installer
 Authorization Attached Osburn/Olson LLC # 38583
Installer's Name



State of Oregon
Department of
Environmental
Quality

Department of Environmental Quality
North Coast Office
65 N. Highway 101, Suite G
Warrenton, OR 97146
Telephone: (503) 861-3280 Fax: (503) 861-3259

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

MAY 20 2008

NORTH COAST BRANCH OFFICE
WARRENTON

NOTICE AUTHORIZING REPRESENTATIVE

I, OSBURN/OLSON LLC, have authorized
(Property Owner/Print Name)
GEORGE M. OWEN; SEPTIC SYSTEM DESIGN to act as my agent in performing
(Authorized Representative/ Print Name)

the activities necessary to obtain site evaluations, permits, and other onsite wastewater treatment program services provided by the Department of Environmental Quality on the property described below in accordance with OAR chapter 340, division 071. I agree that any costs not satisfied by the Authorized Representative are my responsibility.

PROPERTY IDENTIFICATION:

Property Situs or Road Address _____
And described in the records of CLATSOP County as:
Township 7N Range 10W Section 340 Map ID _____ Tax Lot #(s) 502
Township _____ Range _____ Section _____ Map ID _____ Tax Lot #(s) _____

PROPERTY OWNER:

Printed Name: OSBURN/OLSON LLC
Signature: [Signature] Date: 5/16/08
Address: 1369 STILLWATER CT Phone: 503-738-0969
City, State, Zip: SEASIDE, OR 97138 Fax: _____
E-mail Address: _____

AUTHORIZED REPRESENTATIVE:

Printed Name: GEORGE M. OWEN - SEPTIC SYSTEM DESIGN
Signature: George M. Owen Date: 5/16/08
Address: 89697 MANION DR Phone: 503-717-8681
City, State, Zip: WARRENTON, OR 97146 Fax: 503-717-8681
E-mail Address: GUTLMAN@GEORGE@OOL.COM

MAY 20 2008

SECTION 1 - TO BE FILLED OUT BY APPLICANT (may be filled in electronically using the tabs to move to each field)

NORTH COAST BRANCH OFFICE
WARRENTON

1. Applicant Name/Property Owner: Osburn/Olson LLC
Mailing Address: 1369 Stillwater Ct Telephone: 503-738-0969
City: Seaside State: OR Zip: 97138

2. Property Information:
County: Clatsop Tax Lot Number: 502
Township: 7N Range: 10W Section: 34CD
Property Address: Bailey Lane, Gearhart, OR 97138
Block: _____ Lot: 2 Subdivision Name (if applicable): Bailey Lane

3. This proposed facility is for:
 An individual, single-family dwelling.
 Other. Describe the type of development, business, or facility and the provided services or products:

4. Permit or approval being requested:
 On-site construction-installation permit for: New construction Repairs Alterations
 Non-water-carried facility requests (for example, pit privy/vault toilet for camp grounds).
 On-site Authorization Notices for: Replacement of dwelling Bedroom addition
 Other changes in land use involving potential sewer flow increases

SECTION 2 - TO BE FILLED OUT BY CITY OR COUNTY PLANNING OFFICIAL

5. The proposed facility is located: inside city limits inside UGB outside UGB
If inside the UGB, the proposed facility is subject to:
 City jurisdiction County jurisdiction Shared city/county jurisdiction

6. Property Zoning: R-1 Zoning Minimum Parcel Size: 10000

7. Is a public notice and hearing required? Yes No Hearing Date: _____

8. Does the proposed facility comply with all applicable local land use requirements: Yes No
Comments: _____

9. Planning Official Signature: [Signature]
Print Name: D.J. McNAUL Title: CA
Telephone No.: 738-5541 Date: 5-20-08

* Planning Official Signature: _____
Print Name: _____ Title: _____
Telephone No.: _____ Date: _____

* Both city and county planning officials may need to sign if use is within a UGB.

Receipt Number: 134546

MAY 20 2008

Oregon Department of Environmental Quality
Warrenton Office
65 N Highway 101, Suite G
Warrenton, OR 97146



NORTH COAST BRANCH OFFICE
WARRENTON
Date Received 5/20/2008

Received From **Osburn/Olson**
(Check Name): **1369 Stillwater Court**
Seaside, OR 97138

For **T07N R10W S34 CD**
Property **TaxLot 501**
At: **Clatsop County**
Bailey Lane
Gearhart, OR 97138

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order	Bank Number	Amount Applied
990.00	Check	5027	96-679	990.00

Total Amount Applied \$990.00

Onsite Fees	
Base Fee:	950.00
Surcharge Fee:	40.00
Plan Review Flow Fee:	
Pump Evaluation Fee:	
Flow Fee:	
Reinspection Fee:	
Total Fee	\$990.00
Payments	
Previous Payments:	0.00
Current Payment:	990.00
Over Payment:	0.00
Total Payments:	\$990.00

Application Description
Application ID: 406897
Application Type: Construction-Installation Permit
Single Family Dwelling
System Type: Sand Filter: Bottomless - Residential
Pump Evaluation: No
Flow: 450 gallons/day

Receipt Amount: \$990.00

Received By:

Date of Entry:

Vicky Schiele

5/20/2008



Oregon

Theodore R. Kulongoski, Governor

Department of Environmental Quality

Northwest Region North Coast Branch Office

65 N Highway 101, Suite G

Warrenton, OR 97146

(503) 861-3280

FAX (503) 861-3259

February 1, 2008

Ryan Osburn & Cory Olson
Osburn Olson LLC
1369 Stillwater Ct.
Seaside, OR 97138

IMPORTANT DOCUMENT – PLEASE READ CAREFULLY

-This is not a construction permit-

**RE: Site Evaluation Results – Site Approvals with Conditions & Site Denials
Bailey Lane Subdivision – Proposed Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14
T7N, R10W, S34C; Tax Lot Nos. 1200, 1202 & 1400, Clatsop County
Onsite Nos: 405505, 405506, 405507, 405508, 405509, 405510, 405511, 405512,
405513, 405514, 405515 and 405516**

Dear Ryan & Cory:

The above-described properties were evaluated for suitability of onsite sewage disposal on the following date(s): January 17 and 23, 2008. Based on the evaluation, the following onsite wastewater treatment systems are approved for **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14** as follows:

Initial system: Bottomless Sand Filter
Replacement system: Bottomless Sand Filter

NOTE: Site development plans accompanied by physical stake-outs on each of the lots approved for onsite sewage disposal will be required for review and approval prior to issuance of any construction/installation permits.

Details of the site evaluations are included in the Site Evaluation Report that is enclosed.

Next Step – Applying for a Construction/Installation Permit

When you are ready to proceed with system construction, contact this office to get a permit application package. A permit must be issued by DEQ for each approved system before you can start construction.

Request for Site Evaluation Report Review or Request for Variance

If you believe that an error was made in the evaluation of your property, you may apply for a Site Evaluation Report Review within 60 days of the site evaluation report issue date at a cost of \$440. If you would like to apply for a Variance from one or more of the Onsite Wastewater Treatment System rules, you may apply for a Variance at a cost of \$1340. If you are interested in either of these actions, please contact the undersigned for more details before you proceed.

Best wishes on a successful project. If you have any other questions about this report, please feel free to call me at (503) 861-3280.

Sincerely,



Connie M. Schrandt
Natural Resource Specialist

Enc: Site Evaluation Report

Cc: George Owen, 89647 Manion Dr., Warrenton, OR 97146

**Site Evaluation Report
For Onsite Wastewater Treatment System Suitability**

Site Location: T7N, R10W, S34C; Tax Lot Nos. 1200, 1202 & 1400, Clatsop County
Bailey Lane Subdivision - Proposed Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14

Applicant: George Owen

Application Nos.: 406069, 406070, 406071, 406072, 406073, 406074, 406075, 406076, 406077, 406078,
406079 and 406080

Onsite Nos.: 405505, 405506, 405507, 405508, 405509, 405510, 405511, 405512, 405513, 405514, 405515 and
405516

Date(s) of Site Evaluation: January 17 and 23, 2008

DEQ Onsite Specialist: Connie M. Schrandt

Date of Report: February 1, 2008

General Description of Site Evaluations

Sewage contains disease-causing organisms and other pollutants that can cause adverse impacts to human health and the environment. An onsite wastewater treatment system must treat and dispose of sewage in a way that will not cause a public health hazard, contaminate drinking water supplies, or pollute public waters.

Proper treatment in an onsite system begins with primary treatment in the septic tank. The septic tank separates the solid particles in sewage from the liquid. The liquid that comes out of the septic tank is called effluent. The effluent may then be dispersed in the soil for further treatment or discharged into a secondary treatment device such as a sand filter or aerobic treatment unit prior to dispersal in the soil. For proper treatment, the effluent must slowly infiltrate into the underlying soil. Dissolved wastes and bacteria in the effluent are trapped or adsorbed to soil particles or decomposed by microorganisms. This process removes disease-causing organisms, organic matter, and most nutrients. Effluent that comes to the ground surface (through poor soils or other problems with the system) can be a possible health hazard because it may still contain some disease-causing organisms. Soil that drains too quickly may not give the effluent enough treatment and may result in groundwater contamination.

The purpose of the evaluation was to locate suitable soils in an area that is large enough for both the initial drainfield area and the replacement drainfield area. The criteria used for this site evaluation can be found in Oregon Administrative Rules (OAR) 340-071.

Soil test pits and other site features were evaluated during the site visit on January 17 and 23, 2008. For each lot, the following features were evaluated:

- Soil types - how well they drain and other evidence of good soil structure for treatment
- Depth to groundwater
- Wells located on the site or adjacent sites.
- Slopes, escarpments, ground surface variations, topography
- Creeks or springs on the site or adjacent properties
- Whether the soils have been disturbed
- Setbacks from property lines, buildings, water lines, and other utilities
- Other site features that could affect the placement of the onsite system.

Approved Systems

Based on the evaluation of the site and soil conditions, the following onsite wastewater treatment systems are approved for **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14**:

Initial System: System Type: **Bottomless Sand Filter**
Minimum Septic Tank Size: 1000 gallons
Minimum Dosing Tank Size: 500 gallons
Distribution Method: Low Pressure
Minimum Base Area of Filter: 360 square feet
Maximum Filter Depth: Varies (see Field Worksheets)

Replacement System: Same as for Initial System.

The initial and replacement systems on each lot must be separated by 10 feet of undisturbed ground or by a reinforced concrete wall that is installed as part of the initial system. Also, above ground portions of the sand filter must be supported by a berm that extends out from the edges of the sand filter at a 2:1 slope.

NOTE: Site development plans accompanied by physical stake-outs on each of the lots approved for onsite sewage disposal will be required for review and approval prior to issuance of any construction/installation permits. The plans and stakeouts must demonstrate that there is adequate area to accommodate both initial and replacement disposal areas and that all required setbacks (to property lines, underground utilities, building foundations, surface waters, potential man-made cuts resulting from house placement and construction, etc.) can be maintained.

Attached are the Field Worksheets and Plot Plans that show the test pit locations and other details of the site evaluation on each lot.

Site Limitations

Many sites have limitations that will affect either the location of the onsite sewage system or the type of system that can be allowed. The following describes the limitations found in this evaluation.

Setback from property lines and building foundations

Rule requirement: Table 1, OAR 340-071. 10' setback required.

Description: The required property line setback allows construction of the system without trespass or damage to neighboring properties. The foundation line setback prevents too much liquid from causing the soil under the building to settle and potentially damage the building.

Site Conditions Observed: The size and configuration of **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14** relative to residential development plans and maintaining required setbacks are such that only bottomless sand filter systems will be considered.

Clatsop Plains Special Considerations

Description: For properties within the area generally known as the Clatsop Plains and *of less than one acre*, the approved onsite system shall be either a sand filter system or a pressurized distribution system with a design sewage flow not to exceed 450 gallons per day.

Rule requirement: OAR 340-071-0400(5)

Site conditions observed: **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14** are each less than one acre in size.

Permanent groundwater levels too close to ground surface

Description: “Permanent groundwater” refers to a water table or saturated zone that exists year-round. Treatment of sewage occurs in the soils around the drainfield area. If groundwater comes in contact with the sewage before it has been adequately treated in the soils, there are two concerns: 1) very little treatment occurs in saturated soils – the presence of air is required for good treatment; and 2) sewage may be “forced” to the surface where it poses a potential public health hazard.

Rule requirement: OAR 340-071-0290(2)(b)(A). For approval of low-pressure distribution systems, a minimum separation of 48 inches is required between the bottom of the disposal trenches (or seepage bed) and the upper level to which permanent groundwater is expected to rise. A bottomless sand filter system can be approved on sites with a minimum separation of 24 inches between the bottom of the filter and the upper level of permanent groundwater.

Soil conditions observed: The required 48-inch separation described in the rule cannot be met on **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14** due to shallow groundwater levels, as determined by measuring the depth to conditions associated with saturated soils and groundwater.

Additional Conditions of Site Approval for Lots 1, 2, 3, 4, and 6

1. Sites on **Lots 1, 2, 4, 5, 6, 7, 9, 10, 11, 12, 13 and 14** are approved for the types of onsite wastewater treatment systems described above. Peak sewage flow into each system is limited to a maximum of 450 gallons per day, with an average sewage flow of not more than approximately half of the peak sewage flow. This is normally sufficient to serve a single-family dwelling with a maximum of four bedrooms. Premature failure of the treatment system may occur if either of these flow limits are exceeded.
2. Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void these approvals. Disposal areas shall maintain a 25-foot setback to any cut banks that may be created from an excavated cut for the house placement.
3. Both the initial and replacement disposal areas are to be protected from traffic, cover, development or other potential disturbance of natural soil conditions.
4. The areas must not be subjected to excessive saturation due to, but not limited to, artificial drainage of ground surfaces, roads, driveways and building down spouts.
5. These approvals are given on the basis that the lots will not be further partitioned or subdivided.

These site approvals are valid until each system is constructed in accordance with a DEQ construction permit. Technical rule changes shall not invalidate this approval, but may require use of a different kind of system. If there is a technical rule change affecting this site approval, the Department will attempt to notify in writing the current property owner as identified by the county assessor’s records. The site approval runs with the land and will automatically benefit subsequent owners.

Attachment: Field Worksheets and Plot Plans

EVALUATION FIELD WORKSHEET

Township: TN Range: 10W Section: 34C Tax Reference: 12-1-202 Parcel Size: 14,222 sq.ft.
 Owner/Applicant: Osburn - Olson LLC Evaluator: CMS
 Inspection Date(s): 1-17-08 Application Number: 406070
Bailey Lane Subdivision - Lot 2

	DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC...
Pit 1	0-29	MS (fill)	2.5Y 5-4/3, no roots
	29-34	S	10YR 3/3 (hi Fe); loose, sg → f ISBK
	34-46	↓	10YR 3-4/1 or 7.5Y 4/1, saturated sands
	46-50	↓	water standing @ 46" bgs
Pit 2	0-12	fsl + ^{sand} fill mix	} similar to Pit 1, debris line @ 38" } water standing @ pit bottom
	12-34	ms (fill)	
	34-38	S	
	38-45	↓	
Pit 3			
Pit 4			

Landscape Notes: Stabilized dune - wetlands/riparian to East
 Slope: ~1-2% Aspect: — Groundwater Type: Permanent
 Other Site Notes: Test pits located in sand fill placed after removing dark topsoil; high Fe concentrations in matrix ~~soil~~ below fill prevent clear delineation of redox features

SYSTEM SPECIFICATIONS

Design Flow: 450 gpd
 Initial System: Bottomless Sand Filter ATT Treatment Standard: 2
 Disposal Facility: 360 linear feet/square feet Maximum Depth: 6 inches Minimum Depth: — inches
 Replacement System: Same As Initial System ATT Treatment Standard: —
 Disposal Facility: — linear feet/square feet Maximum Depth: — inches Minimum Depth: — inches
 Special Conditions: Physical staking of initial + replacement sand filters required with site development plan for review + approval prior to permit issuance.

(148.83')⁴
148.83'

EASEMENT

104.48'

106.00'

LOT 2
14,222 SF

Acceptable Area for
Onsite Sewage Disposal
(Initial & Replacement)

N 89°47'50" E 76.90'

239.27'

PLOT PLAN

OSBURN/OLSON LLC
7N-10W-34C-1200, 1201,
1202, 1400

BAILEY LANE (LOT 2)

N ↑

TEST HOLE CMS 11/7/03

LOT 1
10,000 SF

134.78'

N 00°12'10" W 134.68'

N 00°12'10" W 239.12'

159.20'

71.61'

25.00'

100.16'

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

NORTH COAST BRANCH OFFICE
WARRENTON

LOT
13,98

S 89°47'50" W

LOT 3
15,946 SF

ACCESS
UTILITY
SEE NO

1.58' MON
TO MON

05 03'

100 00'

T7N R10W SEC 34CD WM
CLATSOP COUNTY

Scale 1:1200



Cancelled
Accounts
100
200
300
400
500



December 28, 2007

7.10.34CD

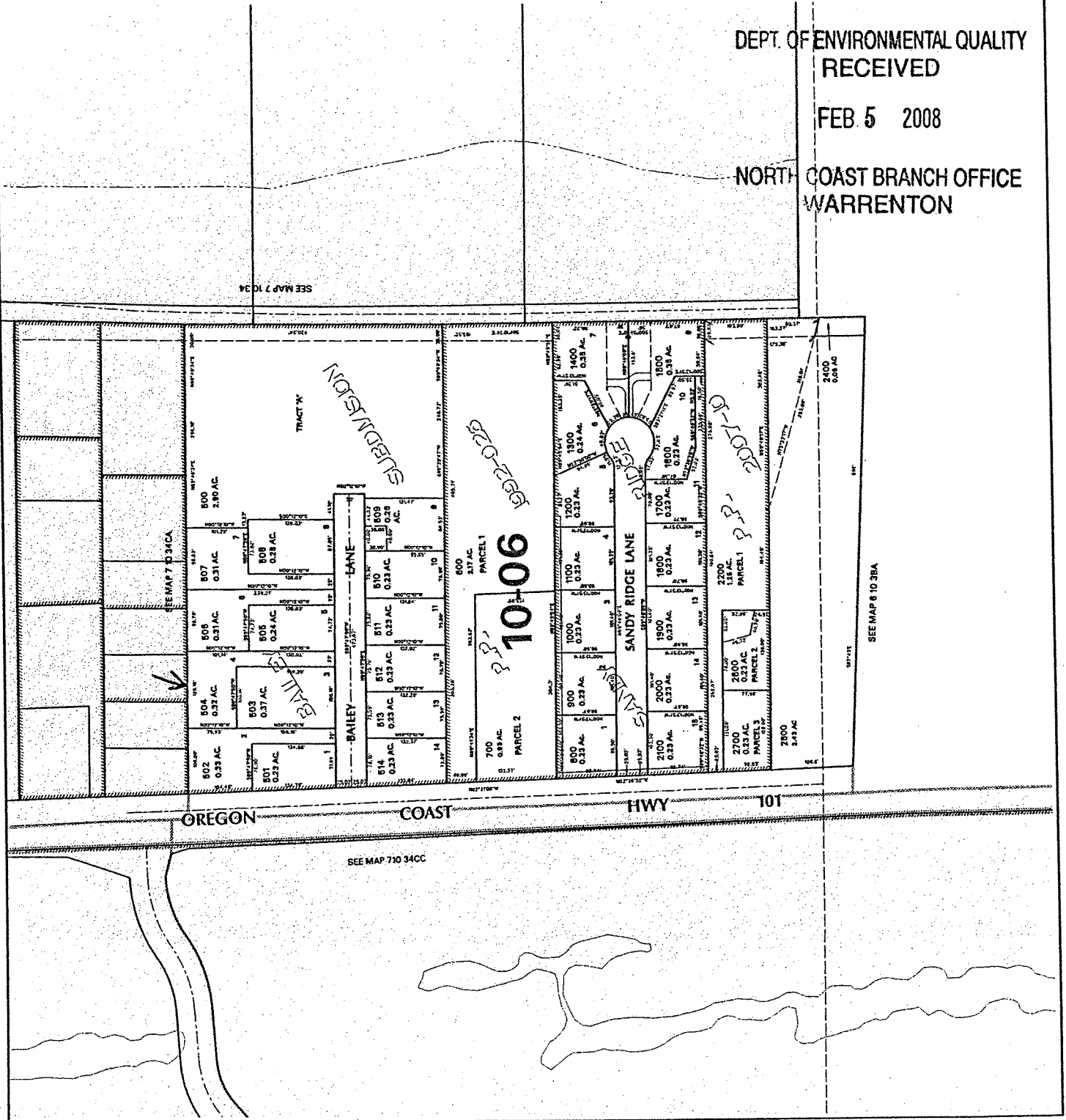
Warning: This plat was prepared for Clatsop County. The State of Oregon does not warrant the accuracy of this plat. Clatsop County is not responsible for any errors or omissions on this plat.



DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

FEB 5 2008

NORTH COAST BRANCH OFFICE
WARRENTON



SEE MAP 7 10 34CA

SEE MAP 6 10 38A

SEE MAP 7 10 34CC

T7N R10W SEC 34CD WM
CLATSOP COUNTY
Scale 1:1200

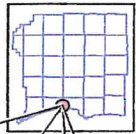


Cancelled
Accounts

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

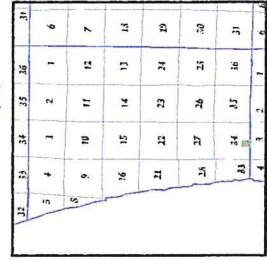
MAY 20 2008

NORTH COAST BRANCH OFFICE
WARRENTON



March 13, 2008

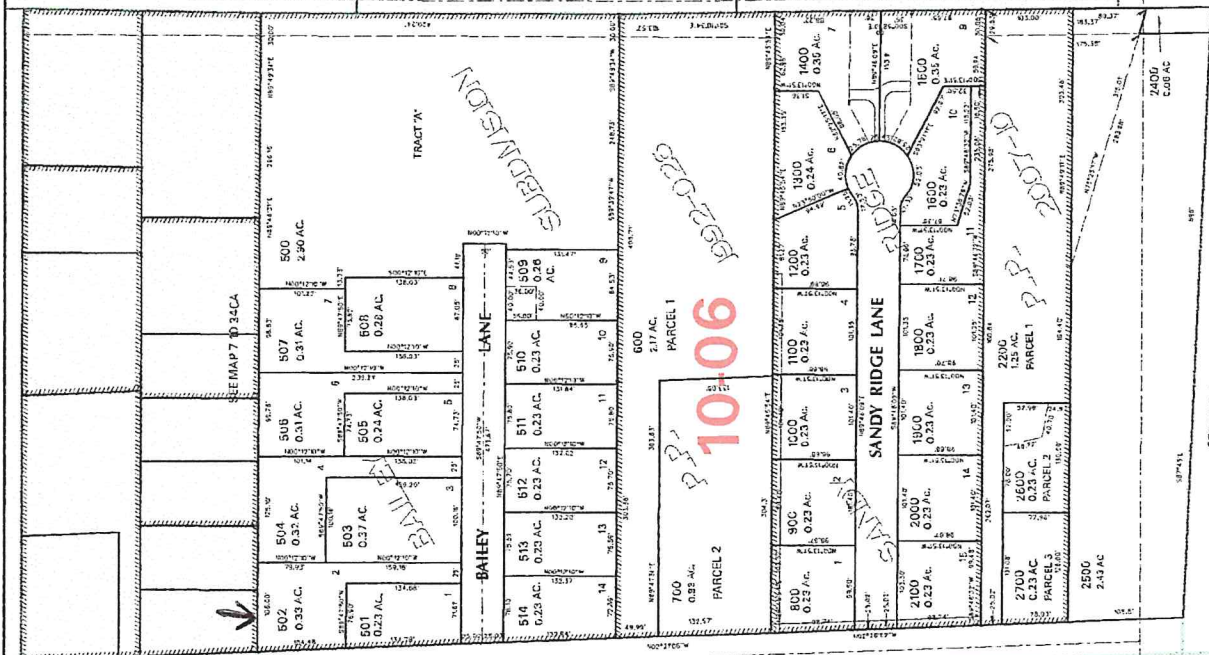
7.10.34CD



This map was prepared for environment...
The County is not responsible for...
any errors or omissions...
Clatsop County Oregon

OSBURN/OLSON LLC
7N-10W-34CD - 502
BAILEY LAKE LOT 2
OSBURN/OLSON LLC
38583

SEE MAP 7 10 34



OREGON COAST HWY 101

SEE MAP 710 34CC

SEE MAP 6 10 3BA