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MAY 24 2021

ON-SITE SEPTIC SYSTEM MAINTENANCE AND SERVICE CONTRACT CLATSOP CO. PUBLIC HEALTH

#186-21-000165

Date: 5/19/2019

Service Provider: Complete Septic Service
41092 Ziak-Gnat Creek Lane
Astoria, OR. 97103
Oregon DEQ Installer License #197
Oregon DEQ Pumper License #37864
Oregon DEQ Maintenance Provider License #M238

7-10-100-2300

Owner: Lael Mark Hepworth

System Location: 89985 Ocean Drive Warrenton, OR 97146

Bottomless Sand Filter SFH -4BR

DESCRIPTION OF WORK TO BE PROVIDED BY THE SERVICE PROVIDER

1. **Systems Inspections.** We will provide a minimum of ~~two~~^{ONE} inspections/service visits (per year) over the two-year period of this contract. This includes inspecting, adjusting and servicing the septic tank/dosing tank, effluent filters, pumps, controls; and inspecting the bottomless sandfilter, seepage bed or seepage trenches which are part of the system. Also included is measuring the sludge and scum depth in the tank, cleaning screens, testing float functions and calibrating the effluent pump. We will visually assess color, turbidity and scum overflow and smell for odors. Performance assessment and operation may include sampling for proper operation of the facility. Any samples collected for testing will not be done without advising you first of their need and cost.
2. **DEQ Annual Report.** We will submit the annual required report to the DEQ office in Astoria along with the required fee.
3. **Record Keeping.** We will maintain accurate records of performance data and inspections. These records will be available for inspection upon request by the DEQ.
4. **Emergency Service.** We will provide emergency service of the septic system components within 48 hours of your service request.
5. **Notification of Tank Pumping.** We will advise you of the need to pump a tank(s).
6. **Rate Increases.** We will advise within 30 days of the current contract expiration of any proposed increase in the rates for the coming two-year period.
7. **Service Invoices.** We will invoice you after each scheduled service. If the system is improperly functioning and cannot be remedied during the time of inspection, we shall notify you of when the correction shall be made.
8. **DEQ Notification of Termination.** We will notify the DEQ office in Astoria within 30 days if the service contract is not renewed or terminated.

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#186-21.000 165 MAY 24 2021

OWNER RESPONSIBILITIES:

1. **Water Meter Readings.** The owner shall provide water meter readings and email the readings to the Service Provider.
2. **Vegetation Control.** The owner shall control vegetation around and on the tank and sand filter.
3. **Notification of System Failure.** The owner shall report evidence of any system failures to the DEQ office and to the Service Provider.

CLATSOP CO. PUBLIC HEALTH

COST/BILLING:

1. **Annual Fee.** The contract service work shall be charged at \$200 per year.
2. **Billing.** Billing shall be sent to the Owner prior to the 1st of the month with payment due by the 10th of each month.
3. **Annual Report Fee.** The annual report fee (currently at \$60) shall be billed to the owner at the time as well.
4. **Replacement Parts/Labor.** Any replacement parts and their installation shall be billed on a time and material basis with a mark-up of 20%.
5. **Additional Services.** Extra service calls will be billed monthly.
6. **Tank Pumping.** Pumping the tank(s) shall be an additional charge and are usually required every 3 – 5 years at a cost of \$600 (subject to change).

CHANGES: All changes in the contract shall be verified in written change orders prior to commencing the changed work.

CONTRACT TERM: The commencement date of this contract shall be the date the Service Provider receives the fully signed contract from the Owner. The service contract shall run for two years from the commencement date. We require contract renewal for the next two year period within 30 days of this contract expiration.

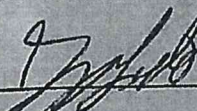
PAYMENT-INTEREST: Interest of 18% per annum shall be charged on all invoiced amounts not paid within 30 days of work invoice.

DISPUTES: All disputes arising out of or related to this contract shall be settled by arbitration administered by the American Arbitration Association, and judgment on the arbitration award may be entered in any court having jurisdiction. The prevailing party in the arbitration shall be entitled to reasonable attorney fees.

ACCEPTANCE OF PROPOSAL

I agree to these terms of the contract, including payment immediately upon being invoiced. You are authorized to proceed with the work.

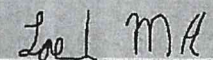
COMPLETE SEPTIC:



Jerry Lebo, owner

Date: May 19, 2021

OWNER:



Name: Lael M Hepworth

Date: May 19, 2021



**Certificate of Satisfactory Completion
Installation Permit - Residential - New**

186-21-000165-PRMT

Clatsop County Onsite
820 Exchange Street
Astoria, Oregon 97103
503-325-9302
Fax: 503-325-9303
health@co.clatsop.or.us
Website:
<https://www.co.clatsop.or.us/publichealth/page/onsite-septic-system-program>

Date Certificate Issued: 11/29/2021
Work Description: Construction/Installation; SFD; sandfilter

Applicant: HEPWORTH, Lael
Address: 933 CARMELLA ST
WALLA WALLA WA 99362
Phone: 509-240-6727
Email: lael@hepworth.com

Primary Contractor: ACDC Excavating, LLC
Installer License: 39172
Address: 35384 Hwy 101 Business
Astoria OR 97103
Phone: (503) 440-1818
Email: accdexcavatingllc@gmail.com

Owner: LAEL MARK HEPWORTH
Address: 933 CARMELLA ST
WALLA WALLA WA 99362
Owner: JENNY LYNNE HEPWORTH
Address: 933 CARMELLA ST
WALLA WALLA WA 99362

Property Address: 89985 Ocean Dr, Warrenton, OR
97146

Parcel: 71016C002300 - Primary **Township:** 7 **Range:** 10 **Section:** 16C

Lot Size: 1.00 acre **Water Supply:** Community Water Supply
Zoning: CBR **City/County/UGB:** N/A
Land Use Approval: N/A

Category of Construction: Single Family Dwelling

	Existing	Proposed
Use of Structure:	N/A	4 bedroom
Number of Bedrooms:	N/A	4

System Specifications

Type:	Bottomless Sand Filter		
Max Peak Design Flow:	450 gpd.	Proposed Flow:	450 gpd.
Min Septic Tank Volume:	1000 gal.	Min Dosing Tank Volume:	500 gal.
		Sand filter sqft:	360

Drain Field Specifications

Drain Field Type:	Bottomless Sand Filter	System Distribution Type:	Equal
Drainfield Sizing:	N/A	Distribution Method:	Pressurized
Seepage Bed Specs:	N/A	Bottomless sand filter sqft:	360
Media Type:	DEQ Spec. Sand	Media Depth:	24 in.
Max Depth:	36 in.	Undisturbed Soil Between Trenches:	N/A
Min Depth:	24 in.	Capping Fills-Min Depth of Fill Material:	N/A

Special Requirements

Groundwater Type:	Temporary	Groundwater Depth:	N/A
Pump to Drainfield Required:	Yes	Filter Fabric on Top of Drain Media:	Yes

Date Certificate Issued: 11/29/2021
Work Description: Construction/Installation; SFD; sandfilter

Conditions of Approval

In accordance with Oregon Revised Statute 454.66 and Oregon Administrative Rules 340-71, this Certificate is issued as evidence of satisfactory completion and installation of components as described in the permit at the location identified.

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.

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 of the area with asphalt or concrete, filling, cutting or other soil modification activities.

This system must operate in compliance with OAR Chapter 340, Division 071 and must not create a public health hazard or pollute public waters.

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

Clatsop County Public Health recommends that the owner inspect the septic tank every 3 years and pump it when necessary.

Certificate of Satisfactory Completion

System Inspection: No **Operation of Law - 7 Days Notice:** No **Pre-Cover Inspection Waived Per 340-071:** No
Comments: N/A

Lucas Marshall

Environmental Health Specialist I

CALL BEFORE YOU DIG...IT'S THE LAW

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth by Oregon Administration Rules. You may obtain copies of the rules by calling the center. (Note: The telephone number for the Oregon Utility Notification Center is 1-800-332-2344.)

Final Inspection Request and Notice - Septic ID: 186-21-000165-RECEIVED

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.

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SECTION 1: Owner/Permittee Information:

Twnshp: 7 Range: 10 Sect: 16C

Name: JENNY LYNNE HEPWORTH LAEL MARK HEPWORTH

Lot: 02300

Property Address: 89985 OCEAN DR, WARRENTON, OR 97146

SECTION 2: System Component Specifications:

A. Tanks/Pumps System Type: **BOTTOMLESS SAND FILTER** Water tight verification*

Tanks(1)	Volume: 1500 GAL	Compartments: 2	Manufacturer: A-1 READYMIX 2C15	Date: 7/29/21
Tanks(2)	Volume:	Compartments:	Manufacturer:	Date:
Pump(s)	HP: 1/2	Model/Manuf. ORENCO PFS00511	Float(s)Type(1): P	Model/Manuf. ORENCO MODEL 19"
			Float(s)Type(2):	Model/Manuf.:

B. Piping

Effluent Sewer (tank to drainfield)	Yes	No	Diameter:	ASTM#/Other:	Length:
Pressure Transport Pipe	Yes X	No	Diameter: 1 1/4"	ASTM#/Other: D 1785	Length: 20'

C. Secondary Treatment Unit:

Sand Filter**	Yes X	No	Type: BOTTOMLESS	Container Dimensions: 12' x 30'
Underdrain pipe	Diameter: 1 1/4"		ASTM#/Other: D1785	Length: 140'
Manifold piping	Diameter: 1 1/4"		ASTM#/Other: D1785	Length: 10'
Internal Pump	HP:	Model/Manufacturer		
Floats(1)	Type:	Model/Manufacturer		
Floats(2)	Type:	Model/Manufacturer		
ATT	Yes	No X	Model:	
Certified Maint.	Provider Name:			
Operation and Maint.	Contract Received?	Yes	No	

D. Drainfield Media

Type	(Gravel, Pipe or alternative?) DEQ SAND			
Distribution Box	Yes	No		
Drop Box	Yes	No		
Distribution Pipe	Yes	No	Diameter:	ASTM#/Other: Length:

Comment

Clatsop County Department of Public Health
On-Site Waste Water Program

*All Tanks(s) were tested for water-tightness after installation and passed in accordance with OAR 340-071-0225(3)
**Attach sieve analysis for Underdrain Media and Filter Sand

Approved: *[Signature]*
Permit No: **11/29/21**
Date: **186-21-000165**

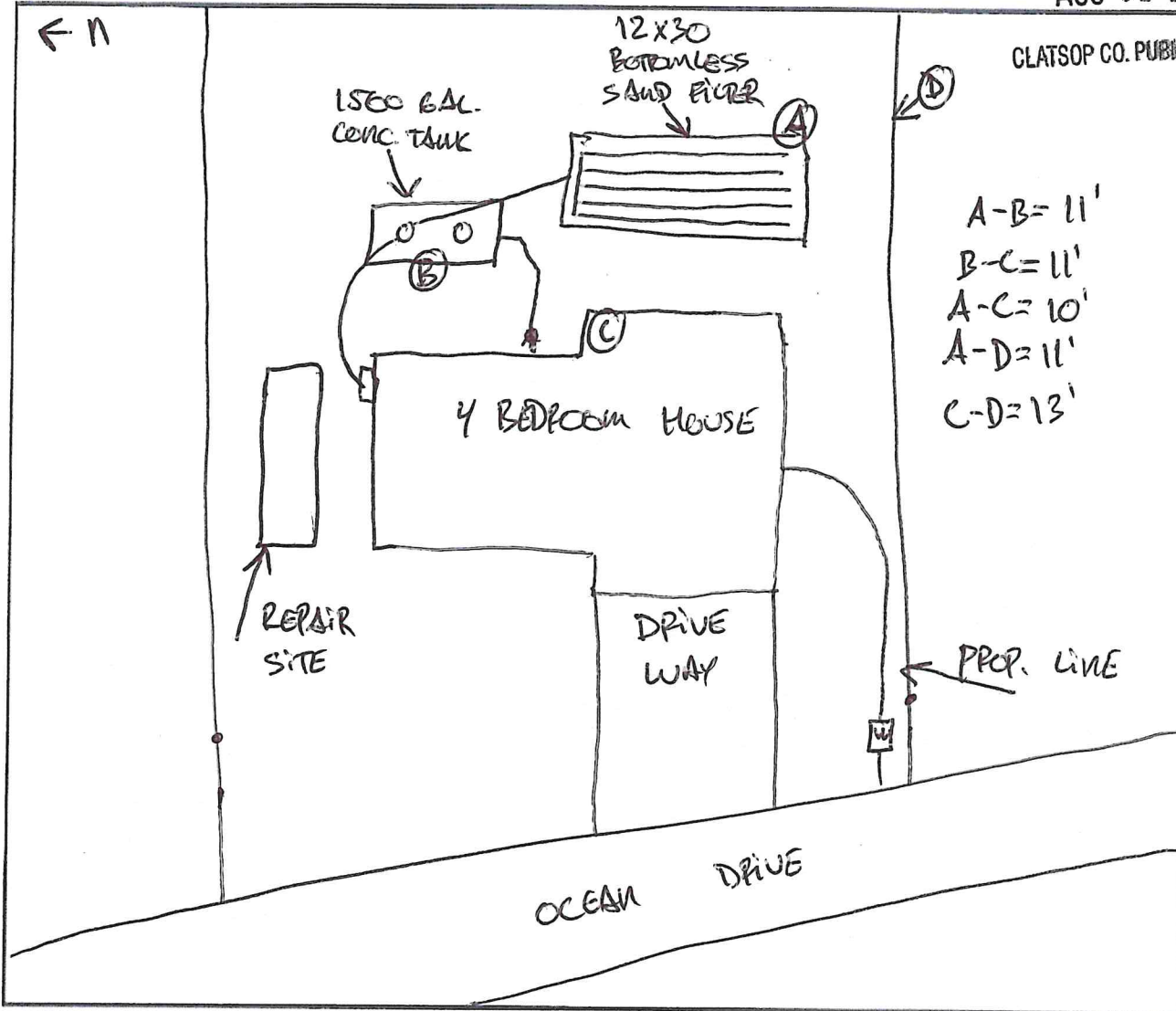
SECTION 3 - As Built Plan

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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.

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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: ACDC EXCAVATING LLC		
Licensed Installer:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	License#: 39172	Certification#: 2477
Owner/ Certified Installer:	Signature: TRAVIS BOEH	Date: 8/2/21	Phone#: 503 440 1900

SECTION 5 - Office Use Only:

Notice Accepted	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Date:	Installer/Owner (Permittee) Notified:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Date:

If No, Reason for Non Acceptance: _____

Comment: 8/2/21 pro cover inspection completed.

Clatsop County Department of Public Health
On-Site Waste Water Program
 Approved By: [Signature]
 Permit No. 186-21-000165
 Date: 11/29/21



Septic Permit

Installation Permit - Residential - New

186-21-000165-PRMT

Clatsop County Onsite
 820 Exchange Street
 Astoria, Oregon 97103
 503-325-9302
 Fax: 503-325-9303
 health@co.clatsop.or.us
 Website:
<https://www.co.clatsop.or.us/publichealth/page/onsite-septic-system-program>

Date issued: 6/3/21 **Expiration date:** 6/3/22

Work description: Construction/Installation; SFD; sandfilter

Applicant: HEPWORTH, Lael Address: 933 CARMELLA ST WALLA WALLA WA 99362 Phone: 509-240-6727 Email: lael@hepworth.com	Primary contractor: ACDC Excavating, LLC Installer License: 39172 Address: 35384 Hwy 101 Business Astoria OR 97103 Phone: (503) 440-1818 Email: acdcexcavatingllc@gmail.com
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Business License: N/A

Owner: LAEL MARK HEPWORTH Address: 933 CARMELLA ST WALLA WALLA WA 99362 Owner: JENNY LYNNE HEPWORTH Address: 933 CARMELLA ST WALLA WALLA WA 99362	Property address: 89985 Ocean Dr, Warrenton, OR 97146
--	--

Parcel: 71016C002300 - Primary **Township:** 7 **Range:** 10 **Section:** 16C

Lot size:	1.00 acre	Water supply:	Community Water Supply
Zoning:	CBR	City/County/UGB:	N/A
Land use approval:	N/A	County:	N/A
Action:	New	Type of application:	Construction Permit - Residential
System failing:	N/A	Septic tank last pumped:	N/A
Comments: N/A			

Category of construction: Single Family Dwelling

	Existing	Proposed
Use of structure:	N/A	4 bedroom
Number of bedrooms:	N/A	4

System Specifications

Type:	Bottomless Sand Filter	ATT description:	N/A
Max peak design flow:	450 gpd.	Proposed flow:	450 gpd.
Min septic tank volume:	1000 gal.	Min dosing tank volume:	500 gal.
		Sand filter sqft:	360

Drain Field Specifications

Drain field type:	Bottomless Sand Filter	System distribution Ttpe:	Equal
Drainfield sizing:	N/A	Distribution method:	Pressurized
Seepage bed specs:	N/A	Bottomless sand filter sqft:	360
Media type:	Other - Indicate Product/Manufacturer	Media depth:	24 in.
Media type description:	DEQ Spec. Sand		
Max depth:	36 in.	Undisturbed soil between trenches:	N/A
Min depth:	24 in.	Capping fills-min depth of fill material:	N/A

CALL BEFORE YOU DIG...IT'S THE LAW

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Date issued: 6/3/21

Expiration date: 6/3/22

Work description: Construction/Installation; SFD; sandfilter

Special Requirements

Stake out required:	No	Groundwater depth:	N/A
Groundwater type:	Temporary	Filter fabric on top of drain media:	Yes
Pump to drainfield reqd:	Yes		

Conditions of approval

Have a copy of the approved plot plan and permit on site during construction and for all inspections. Submit a complete As-Built and Materials list form prior to final inspection on all construction-installation permits.

Modifications to the approved plan or proposed use need to be approved prior to installation. A construction-installation permit is valid for one year from the date of issuance.

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.

Install with dry soil conditions.

Vehicular traffic and livestock must be restricted from the system area.

All roof drains must be directed away from the system area.

Meet all required setbacks.

A pre-cover inspection of the installed absorption facility (prior to backfill) is required.

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.

Lucas Marshall

Environmental Health Specialist I

6/3/21



186-21-000165

Clatsop County

www.co.clatsop.or.us

Community Development

800 Exchange Street, Suite 100

Astoria, Oregon 97103

Phone 503 325-8611 Fax 503 338-3606

comdev@co.clatsop.or.us

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CLATSOP CO. PUBLIC HEALTH

pd ck# 2300

\$1750-

Application for Onsite Sewage Treatment System

A. Property Owner Information

LAEL HEPWORTH 933 CARMELLA ST. WALLA WALLA, WA 509-240-6727
Name Mailing Address (Street, PO Box, City, State, Zip) Phone Number
99362

B. Legal Property Description

7 10 16c 02300 53513 1.04
Township Range Section Tax Lot Tax Account Number Acreage or lot Size
CLATSOP SURF PINES - NORTH 02300 104#7
County Subdivision Name Lot Block

Property Address: 89985 OCEAN DRIVE, WARRENTON, OR 97146
(Street, City, State, Zip)

Directions to Property ONLY VACANT LOT ON THE NORTH SIDE OF
OCEAN DRIVE

C. Existing Facility / Proposed Facility / Water Information

Existing Facility

Single Family Residence

Number of Bedrooms _____

Other _____

Proposed Facility

Single Family Residence

4
Number of Bedrooms

Other _____

Water Supply

Public CITY WARRENTON
Name

Private _____
Well, Spring, Shared

D. Type of Application

Site Evaluation

Construction

Permit Repair

Major

Minor

Alteration Permit

Major

Minor

Renewal Permit

Existing System Evaluation

Permit Transfer

Permit Reinstatement

Authorization Notice for:

Connecting to an Existing System Not in Use

Replacing a Mobile Home or House with Another

Mobile Home or House

The Addition of One or More Bedrooms

Personal Hardship

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 Clatsop County and its' authorized agents permission to enter onto the above described property for the sole purpose of this application

Signature

LAEL M HEPWORTH

Applicant's Name (Please Print Legibly)

Date

MAY 17, 2021

Applicant's Phone

509-240-6727

Applicant's E-Mail Address

lael@hepworth.com

Applicant's Mailing Address

933 CARMELLA ST WALLA WALLA, WA 99362

Applicant is the

Owner

Authorized Representative

Licensed Septic Installer

Authorization Attached

Installers Name

ACDC EXCAVATIONS, LLC

503-440-1818

DEQ Land Use Compatibility Statement

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#186-21-000165

1

COMPLETED BY APPLICANT

1. Property Owner Name(s): LAEL M Hepworth
Mailing Address: 933 CARMELLA ST WALLA WALLA, WA 99362
Telephone 1: 509-240-6727 Telephone 2:
Email Address: lael@hepworth.com

2. Applicant Name: SAME AS ABOVE
Mailing Address:
Telephone 1: Telephone 2:
Email Address:

3. Property Information:
Situs Address: 89985 OCEAN DRIVE WARRENTON, OR 97146
Township 7 Range 10 Section 16C Tax Lot 02300
Subdivision Name (if applicable): SURF PINES - NORTH

4. Proposed Development:
 Single Family Dwelling Accessory Structure Other

5. Permit or Approval Requested:
Construction or Installation Permit: New Construction Repair Alteration
Authorization for Replacement of: Dwelling Bedroom Addition
 Other:

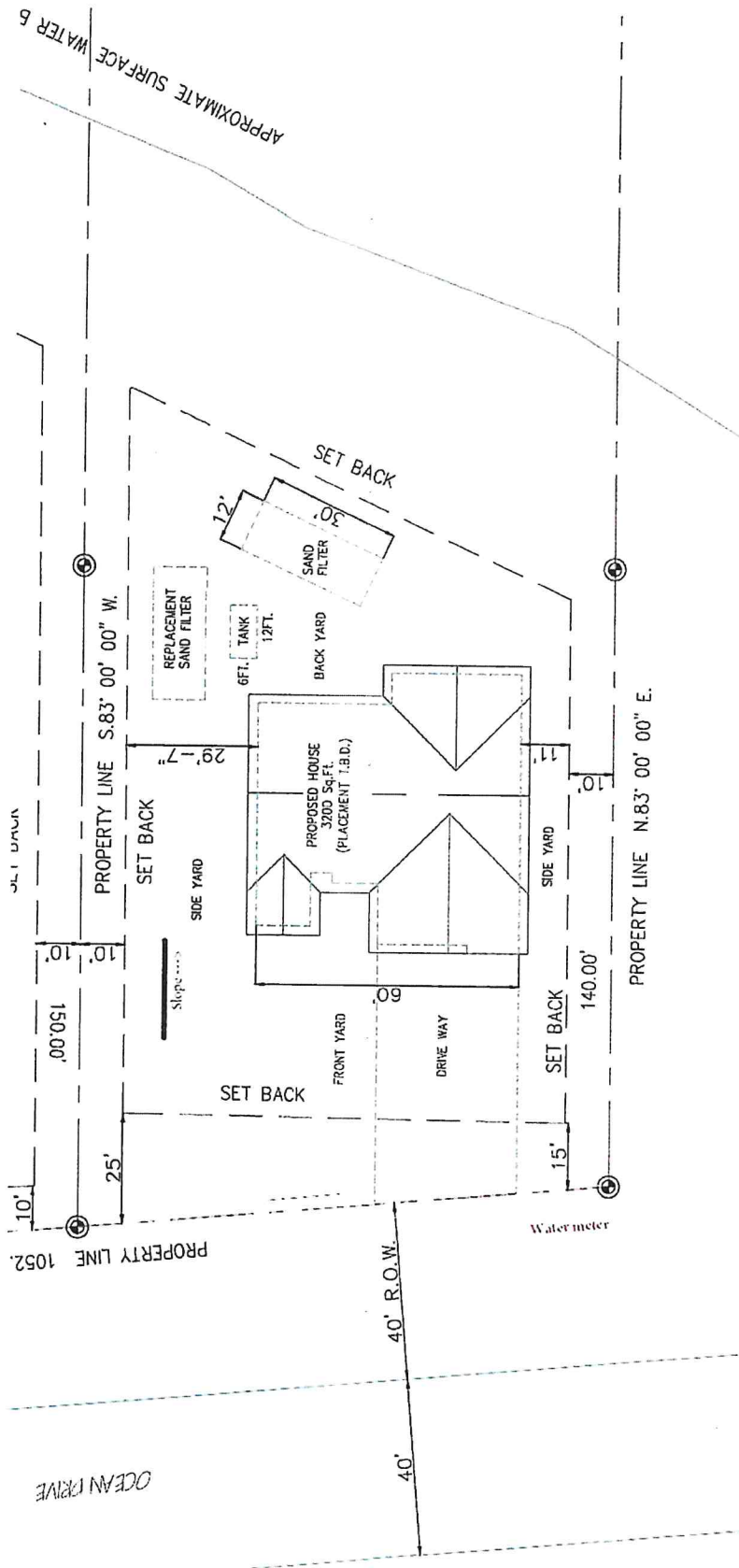
2

COMPLETED BY COUNTY PLANNING OFFICIAL PERMIT #: 9456098 PAYMENT ID: 21-000363

1. Property Zoning 1 CBR Property Zoning 2 Overlays NWI
2. Minimum Parcel Size 1.00 Actual Parcel Size LOR needed LOR Permit # Subdivision
3. The facility is located: Inside City Limits Inside a UGB Outside UGB (county jurisdiction)
4. Does the proposed facility comply with all applicable land use requirements: Yes No
5. Compliance is based on:
a. Compliance with local comprehensive plans and land use requirements. Citation: 4.2320
b. Conditional Approval - Findings and citation attached or a copy of the applicable land use decision is attached.
c. Measure 49 Waiver - DLCD Approval Number:

Comments:

Planning Official Signature Clancie Adams Date 05.21.21



SURF PINES ESTATES NORTH
 T7N R 10W SEC. 16C
 TI # 2300 - 1017

1 SITE PLAN / PLAN

7 10 16 82380

TAX Acc # S3513

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 #186-21-000165

FINAL PLANS
 B.D.D.S.

PLANS SERVICE
 ARCHITECTURE
 INTERIOR DESIGN
 EXTERIOR DESIGN
 LANDSCAPE ARCHITECTURE
 CONSTRUCTION DOCUMENTS
 PRELIMINARY DOCUMENTS
 BRINKMAN DRAFTING
 DESIGN SERVICES

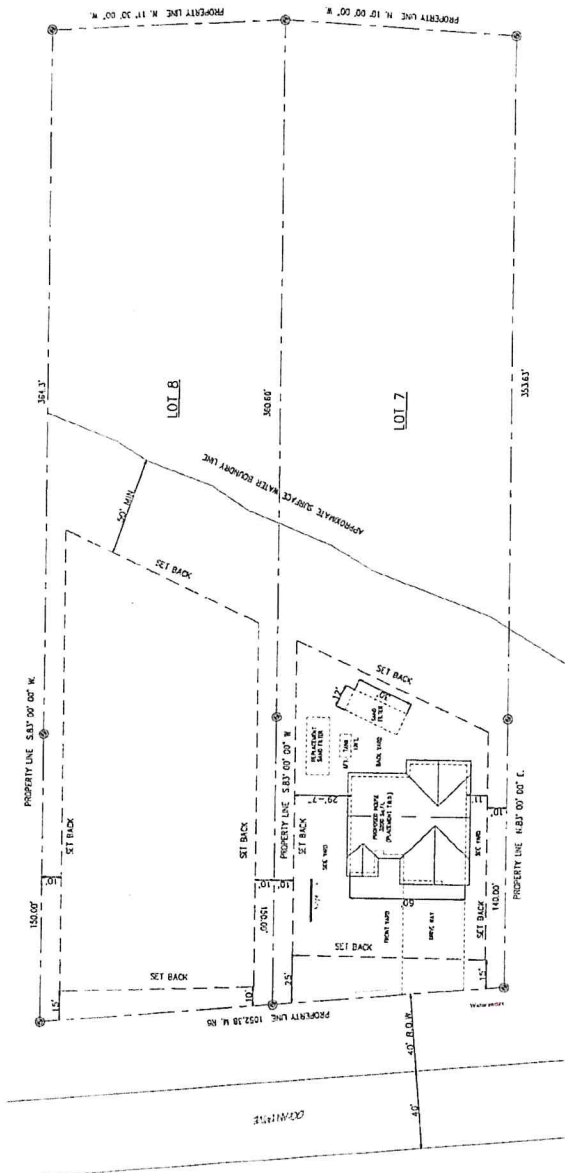
Date: 2-07-2021
 By: B.D.D.S., TEHE.
 Description: COVER PAGE
 Revision:

HOUSE PLANS FOR
 THE HERFORTH RESIDENCE
 SURF PINES OREGON
 SITE PLAN

B.D.D.S.
 BRINKMAN DRAFTING
 DESIGN SERVICES
 1000 N. 10TH AVE.
 SUITE 100
 SEASIDE, OR 97138
 PHONE: 503-738-1111
 FAX: 503-738-1112
 WWW.BDDDESIGN.COM

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 #186-21-000165



1 SITE PLAN / PLAN FOOT PRINT
 SCALE: N.T.S.

SURF PINES ESTATES NORTH
 T7N R. 10W SEC. 16C
 TL# 2300 - LOT 7

7 10 16c 2300

TAX ACCT# 53513



Clatsop County

Onsite Septic System Program
820 Exchange Street, Suite 100
Astoria, Oregon 97103
Phone 503-325-9302
www.co.clatsop.or.us

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#186-21-000165

SEPTIC SYSTEM MATERIALS LIST:

INSTALLERS MUST NOTIFY THE DEPARTMENT WHEN A SEPTIC SYSTEM IS COMPLETED UNDER A PERMIT. ALL COMPONENTS LISTED BELOW SHOULD BE INSTALLED BUT NOT BACKFILLED. FAILURE TO DO SO MAY RESULT IN A REINSPECTION FEE UNLESS OTHER ARRANGEMENTS ARE MADE.
FILL OUT ALL APPLICABLE SECTIONS OF THIS DOCUMENT.

Section 1

Property Owner: LAEL HEPWORTH
Township: 7 Range: 10 Section: 16C Tax Lot: 02300
Situs Address: 89985 OCEAN DRIVE, WAMINGTON, OR 97146

Section 2: COMPLETE, AS APPLICABLE:

****MUST PROVIDE MAKE, MODEL, MATERIAL AND APPLICABLE MEASUREMENTS****

Septic Tank: A-1 READY MIX CONCRETE 2CK Capacity: _____

Effluent Filter: _____

Effluent Sewer Pipe: _____

Dose Tank/Vault: _____ Capacity: 1000/500

Tank Pump: OREMCO PF100S11

Float Settings (Provide inches from top of tank to water level @ float function):

Alarm: 13" On: 20" Off: 23" RO: _____

Pressure Pipe from Tank to Pretreatment and/or Drainfield: 1 1/4" PVC SCH 40 D1785 20'

Drop or Distribution Box: _____ Qty: _____

HydroSplitter Orifice Size(s): _____

Header Pipes: _____

Leach Lines: _____ Linear Ft: _____

Pressure Bed Dimensions: _____ Square Ft: _____

Capping Fill (Depth over top of drain media, in inches): _____

GWI or Tile Dewater System (Depth/Depth of gravel, in inches): _____

ATT: Manufacturer: _____ Make/Model: _____ Serial# _____

Sandfilter Type:
 Bottomless In Ground Above Ground Dimension: 12 x 30 Ft

Control Panel: OREMCO MWP-S1 DM

Tank Timer Settings (Provide seconds on / minutes off):

Normal Operations: _____ Sec. _____ Min.

High Water Alarm Operations: : _____ Sec. _____ Min.

Pretreatment Pump:

(Inches below vault top): Alarm _____ On _____ Off

Inches from vault top to top of underdrain pipe: _____

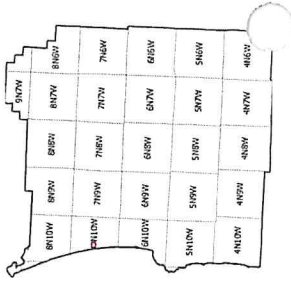
Pump or Aerator Interlock Function:

Verify the tank pump will not function if pretreatment is in "ALARM" (Circle one): YES / NO

Air Coil / Monitoring Ports: _____

Other: _____

Clatsop County



0.1 mi

This map was produced using Clatsop County GIS data. The data is maintained by Clatsop County to support its governmental activities. Clatsop County is not responsible for any map errors, possible misuses, or misinterpretation.

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#186-21-000165

Clatsop County, OR



County of Clatsop, Clatsop County GIS Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



Transaction Receipt
Record ID: 186-21-000165-PRMT
IVR Number: 186043809510

Clatsop County Onsite
820 Exchange Street
Astoria, Oregon 97103
503-325-9302
Fax: 503-325-9303
health@co.clatsop.or.us

Receipt Number: 456394

Receipt Date: 5/25/21

<https://www.co.clatsop.or.us/publichealth/page/onsite-septic-system-program>
Worksite address: 89985 OCEAN DR, WARRENTON, OR 97146
Parcel: 71016C002300

Fees Paid					
Transaction date	Units	Description	Account code	Fee amount	Paid amount
5/25/21	1.00 Ea	Install - Sand filter - by gallons per day	81-7203	\$1,641.00	\$1,641.00
5/25/21	1.00	GIS fee - Onsite	81-7045	\$9.00	\$9.00
5/25/21	1.00	DEQ Surcharge	78-9934	\$100.00	\$100.00

Payment Method: Check number: 2300 Payer: Lael HEPWORTH Payment Amount: \$1,750.00

Cashier: Annette Brodigan

Receipt Total: \$1,750.00

RECEIVED

AGENCY REVIEW & APPROVAL FORM

MAY 13 2021

All information on this form must be filled out and signed by approving agency

CLATSOP CO. PUBLIC HEALTH

1. JOB SITE INFORMATION (To be completed by applicant/owner/agent.):

Job Site Address: 89985 OCEAN DRIVE City: WARRENTON
Owner: LAEL & JENNY HEPWORTH Phone: 509-248-6727
Address: 933 CARMELLA ST WALLA WALLA, WA 99362 Email: lael@hepworth.com
Agent:
Proposed Development/Construction: RESIDENTIAL - NEW SINGLE FAMILY HOME
Map ID: 71016C DP 23 DP

2. ONSITE WASTEWATER OR LOCAL SEWER DISTRICT:

Permit Needed: Yes [X] No [] Site Approved: Yes [X] No []
Agency Signature: [Signature] Title: Permit Tech Date: 5/13/21
Remarks: Construction / Installation permit is still REQUIRED.

Contact the local sewer district serving your property OR Clatsop County Environmental Health for septic approval

3. WATER DISTRICT OR PROOF OF WATER RIGHTS FROM WATER RESOURCES DEPARTMENT

Gallons per minute:
Agency Signature: Title: Date:
Remarks:

Contact the local Water District serving your property OR
Water Resources Dept, 725 Summer St NE Suite 202, Salem, OR 97301 Phone: (503) 986-0900 FAX (503) 986-0904

4. FIRE DEPARTMENT/FIRE DISTRICT ACCESS AND WATER SUPPLY REQUIREMENTS:

Water/Fire Flow: Number of Hydrants: Hydrant Location(s):
Agency Signature: Title: Date:
Remarks:

Contact the local Fire Department serving your property

5. MANUFACTURED MOBILE HOME PLACEMENT -----CLATSOP COUNTY ASSESSMENT AND TAXATION:

Agency Signature: N/A Title: Date:
Remarks:

Clatsop County Assessment and Taxation, 820 Exchange St Suite 210, Astoria, OR 971

FINAL PLANS

B.D.D.S.
 DESIGN SERVICES, INC.
 40761 160th Avenue, NE
 Everett, WA 98203
 (425) 336-7777
 www.bdds.com

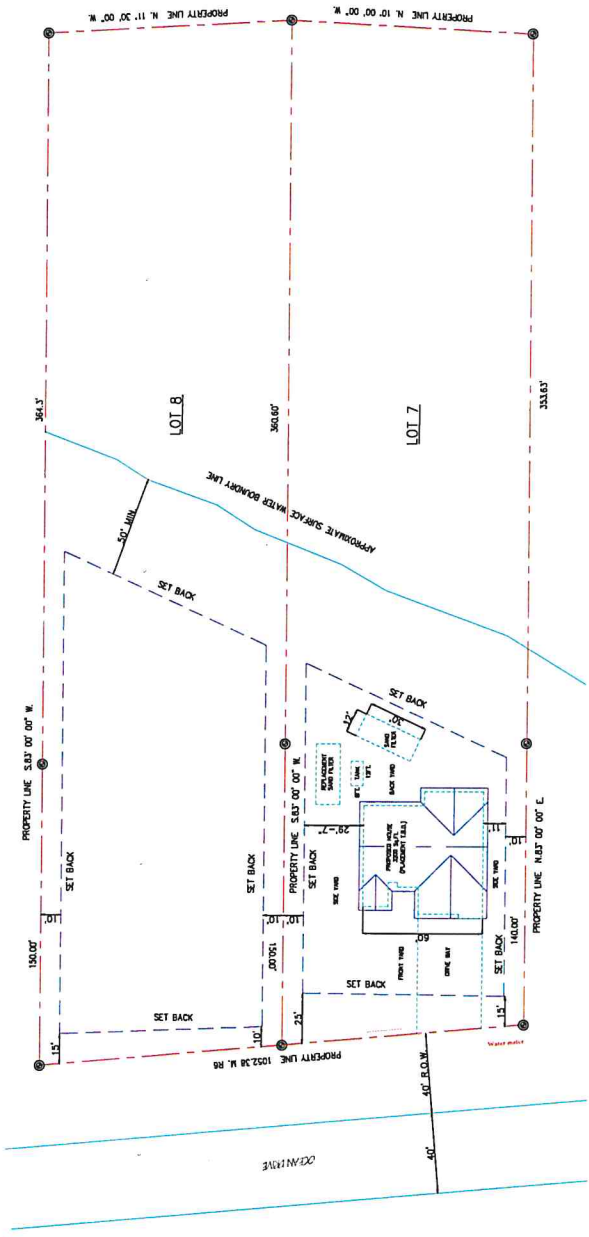
Date: 2-07-2021
 By: B.D.D.S., TEHB
 Description: COVER PAGE
 Revision:

HOUSE PLANS FOR
 THE HERPOTH RESIDENCE
 SITE PLAN

B.D.D.S.
 DESIGN SERVICES, INC.
 40761 160th Avenue, NE
 Everett, WA 98203
 (425) 336-7777
 www.bdds.com

C2.1

RECEIVED
 MAY 13 2021
 CLATSOP CO. PUBLIC HEALTH



1 SITE PLAN / PLAN FOOT PRINT
 SCALE: N.T.S.

SURF PINES ESTATES NORTH
 T7N R 10W SEC. 16C
 TL# 2300 - LOT 7

BRINKMAN DRAFTING DESIGN SERVICES

Property History

Account ID:53513

Legal Description:

<u>Legal Type</u>	<u>Subdivision</u>	<u>Lot</u>	<u>Block</u>	<u>Tract</u>
Lot Block	Surf Pines Estates North	7		

Additional Information:

'04 Formerly part of TL 1200

Account History:

<u>From Account Id</u>	<u>From TaxMapKey</u>	<u>To Account Id</u>	<u>To TaxMapKey</u>	<u>Year of Change</u>
17206	71016C001200	53513	71016C002300	2004

Owner(s):

Current Ownership:

<u>Owner Name</u>	<u>Ownrshp %</u>	<u>Type</u>
Kerr Thomas IV		Trustee
Bank of American NA		Trustee
Kerr Thomas IV Trust		Trust

Ownership History:

<u>Create Dte</u>	<u>Effective Dte</u>	<u>Instrmnt ID</u>		
03/02/2004	11/06/2003	200316862	Olstedt Construction Inc	Corporation
03/17/2004	03/04/2004	200402854	Kerr Timothy	Individual
03/29/2016	12/17/2015	201602233	Kerr Thomas IV	Trustee
03/29/2016	12/17/2015	201602233	Bank of American NA	Trustee
03/29/2016	12/17/2015	201602233	Kerr Thomas IV Trust	Trust

Voucher History:

Voucher 1 Source: Clerk Effective Date: 06/04/2019 Map Key:
Document Type Code: Death Certificat Date Created: 11/26/2019 Instrument Id: 201908899
Operation: Posting Only Completed Date: 11/26/2019 Book:
Operation Type: Information Voucher Type: Assessment Page:
Completeness Status: Completed Consideration: Status: Active
Partition Flag: No Remarks: DC for Thomas Kerr IV
User Id: HCHAPMAN

Voucher 2 Source: Clerk Effective Date: 12/17/2015 Map Key: 71016C002300
Document Type Code: Warranty Deed Date Created: 03/29/2016 Instrument Id: 201602233
Operation: Name Change Completed Date: 03/29/2016 Book:
Operation Type: Name Voucher Type: Assessment Page:
Completeness Status: Completed Consideration: \$0 Status: Active
Partition Flag: No Remarks: Multi TLs 71016c-2300;2400
User Id: HCHAPMAN



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

October 10, 2003

Olstedt Construction, Inc.
P.O. Box 2363
Gearhart, OR 97138

IMPORTANT DOCUMENT – PLEASE READ CAREFULLY
-This is not a construction permit-

RE: Site Evaluation Results – Site Approvals With Conditions
T7N, R10W, S16C; Tax Lot No. 1200 &
T7N, R10W, S21AB; Tax Lot No. 600,
Proposed Subdivision: Surf Pines Estates North, Lots 1-13
Clatsop County

Dear Steve Olstedt:

The above-described properties were evaluated for suitability of on-site sewage disposal systems on the following date(s): September 9, 2003. Based on the evaluation, the following on-site sewage disposal systems are approved:

Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, & 13

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

* Low-Pressure Distribution Seepage Bed systems, each with 600 square feet bottom area, may also be considered for **Lots 9 & 10** only. Details of the site evaluation are included in the Site Evaluation Report that is enclosed. The Site Evaluation Report also includes more specific information and further conditions of site approvals.

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. The permit must be issued by DEQ 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 30 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 On-Site Sewage Disposal 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

Connie M. Schrandt
Natural Resource Specialist

Enc: Site Evaluation Report

**Site Evaluation Report
For On-Site Sewage Disposal System Suitability**

Site Location: T7N, R10W, S16C; Tax Lot No. 1200 & T7N-R10W-S21AB; Tax Lot No. 600,
Proposed Subdivision: Surf Pines Estates North, Lots 1-13
Clatsop County

Applicant: Steve Olstedt

Date(s) of Site Evaluation: September 9, 2003

DEQ Onsite Specialist: Connie M. Schrandt

Date of Report: October 10, 2003

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 on-site sewage disposal 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 on-site 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 September 9, 2003. 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 on-site system.



Approved Systems

Based on the evaluation of the site and soil conditions, the following on-site sewage disposal systems are approved:

Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, & 13

Initial System: System Type: **Bottomless Sand Filter***
Minimum Septic Tank Size: 1000 gallons
Minimum Dosing Tank Size: 500 gallons
Distribution Method: Low Pressure
Minimum Filter Bottom Area: 360 square feet
Maximum Filter Depth: 36 inches

Replacement System: Same as for Initial System.

* **NOTE:** A **Low-Pressure Distribution Seepage Bed** with 600 square feet bottom area may be considered for both (or either) the initial and replacement System Type on **Lots 9 & 10** if required setbacks from surface water, property lines, building foundations, driveways and underground utilities can be maintained. Physical staking of both the initial and replacement disposal areas will be required prior to issuance of a permit to construct the approved systems.

Attached are the Field Worksheet and Plot Plans that show the approved areas and other details of the site evaluations.

Site Limitations

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

Clatsop Plains Special Considerations

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

Description: For properties within the area generally known as the Clatsop Plains and *of less than one acre*, the approved on-site 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.

Required setbacks to "public waters", i.e. springs, year round streams, intermittent streams, groundwater interceptors, or canals

Rule requirement: Table 2, OAR 340-071. 100' setback is required for disposal areas associated with standard and low-pressure distribution on-site systems. OAR 340-071-0290(3)(g). 50' setback is required for sand filter systems.

Description: Soils provide an important part of the treatment and "sanitizing" process for sewage. Bacteria and other organisms that live in soil can destroy some pathogens; and over time pathogens will die off. Sewage also contains other pollutants that can be harmful to surface waters, such as nitrates, phosphates and organic material, all of which are treated in soils. These setbacks are to prevent incompletely treated sewage from discharging to surface waters where it can both be a health hazard and pollute the surface water.

Additional required setbacks from property lines, underground utilities, building foundations and potential manmade cuts or escarpments

Rule requirement: Table 1, OAR 340-071. 10' setback required, except to manmade cuts or escarpments in excess of 30 inches for which a 25' setback is required.

Description: The property line setback allows construction of the system without trespass or damage to neighboring properties. The setback to water lines and underground utilities is required for sanitary reasons, with respect to future utility maintenance, and because sewage effluent will travel laterally in the soil and will tend to flow along trenches rather than stay in the undisturbed soil where it can be treated. The foundation line setback prevents too much liquid from causing the soil under the building to settle and potentially damage the building. The 25' setback to manmade cuts or escarpments is required to ensure that incompletely-treated sewage effluent does not discharge out of the face of the cuts or escarpments and present a public health hazard.

Site Conditions Observed

A portion of each of the proposed 13 lots is covered by surface water and/or wetlands. The upland areas for which on-site sewage disposal can be considered on Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 & 13 are all less than one acre in size.

The required 100' setback to surface waters cannot be maintained with adequate area remaining to accommodate residential development on each of Lots 1, 3, 4, 5, 6, 7, 8 & 13. Adequate area for low-pressure distribution systems meeting the required 100' setback will be considered for Lots 9 & 10, however physical staking of both the initial and replacement disposal areas will be required prior to permit issuance. The size and configuration of Lots 11 & 12 in relation to development plans and maintaining required setbacks are such that only bottomless sand filter systems will be considered. Less disposal area is required for sand filter system approval.

Natural slopes along the west property lines of Lots 3, 4, 5, 6 & 7 will likely have to be cut if the road right-of-way along Ocean Drive is widened or developed in the future. Therefore, a 25' setback to the west property line on each of these lots will be required.

Additional Conditions of Site Approval

1. Sites on the 13 proposed lots are approved for the respective types of on-site sewage disposal 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. If for some reason domestic household water use is expected to exceed these flows, it may be advisable to increase the size of the treatment system.
2. Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void this approval. 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 area 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. This approval is given on the basis that each lot described above will not be further partitioned or subdivided.
6. A physical stake-out of both the initial and replacement disposal areas may be required prior to issuance of a permit to construct the approved systems.

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 Worksheet and Plot Plans



FIELD WORKSHEET

Surf Pines Estates North - Lots 1-13
 Tax reference T7N RIDW Sec 21AB TL#600 & Sec. 16C TL#1200 Clatsop Co Evaluator CMS & DCP
 Applicant Steve Olstedt Date 9-9-03 Parcel Size 15.2 acres total

	Depth (in.)	Texture	Soil Matrix Color and Redoxymorphic Features, %Coarse Fragments, Roots, Pores, Structure, Layer Limiting Effective Soil Depth, etc.	(see below)																																																
Pit 1	0-12	fsR	2.5 Y ⁵ /2-3; loose, sq → 1 SBK; common f & m roots	> ground elevation																																																
	12-58	fs & ms	" " " " " "	@ top of dune ridge estimated 112" above lake level																																																
Typical soil profile description from Pits 1 & 2 on Lot 1 and Pit 2 on Lot 13, test pits on lots 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12 were similar																																																				
Pit 2	*Estimated upland areas: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Lot #</th> <th>ft²</th> <th>acre</th> <th>Lot #</th> <th>ft²</th> <th>acre</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>36,920</td> <td>0.85</td> <td>8</td> <td>30,410</td> <td>0.70</td> </tr> <tr> <td>2</td> <td>15,670</td> <td>0.36</td> <td>9</td> <td>35,940</td> <td>0.83</td> </tr> <tr> <td>3</td> <td>38,520</td> <td>0.88</td> <td>10</td> <td>28,760</td> <td>0.66</td> </tr> <tr> <td>4</td> <td>16,170</td> <td>0.37</td> <td>11</td> <td>33,780</td> <td>0.78</td> </tr> <tr> <td>5</td> <td>15,450</td> <td>0.35</td> <td>12</td> <td>23,330</td> <td>0.54</td> </tr> <tr> <td>6</td> <td>21,070</td> <td>0.48</td> <td>13</td> <td>39,660</td> <td>0.91</td> </tr> <tr> <td>7</td> <td>25,120</td> <td>0.58</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Lot #	ft ²	acre	Lot #	ft ²	acre	1	36,920	0.85	8	30,410	0.70	2	15,670	0.36	9	35,940	0.83	3	38,520	0.88	10	28,760	0.66	4	16,170	0.37	11	33,780	0.78	5	15,450	0.35	12	23,330	0.54	6	21,070	0.48	13	39,660	0.91	7	25,120	0.58			
Lot #	ft ²	acre	Lot #	ft ²	acre																																															
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6	21,070	0.48	13	39,660	0.91																																															
7	25,120	0.58																																																		
Pit 3																																																				

Landscape Notes Stabilized Dunes adjacent to Duck lake
 Slope Varies Aspect W Groundwater Type Permanent

Other Site Notes: Sand filter to be 100 ft. from groundwater, 50 ft. from surface water and 10 ft. from foundations, property lines and utility lines. Septic Tank/Dosing Tank to be 50 ft. from any groundwater or surface water and 5 ft. from foundations, property lines and utility lines. *estimated from topographic & survey maps (HLB & Assocs.) and from surface water distances from test pits measured during field visit.

SYSTEM SPECIFICATIONS

Type System: *** BOTTOMLESS SAND FILTER** Design Flow: 450 gpd
 System Size (bottom surface area): 360 sq. ft. OR 20 x 18 container
 Septic Tank Size (Min. Required): 1000 gallons Dosing Tank Size (Min. Required): 500 gallons
 Bottom of sand filter not to exceed 36 inches below ground surface

Special Conditions:

- Watertight maintenance risers required on Septic Tank and Dosing Tank; 2 compartments may also be required.
- A detailed site development plan of proposed system construction (located within area of approved test holes) is required with permit application. The plan must show proposed system placement as it relates to existing and/or proposed structures, wells, waterways, roads and parking areas.
- Honor all required setbacks (OAR 340-071, Table 1) and required separation distances.
- Disposal areas to be kept free of cover, traffic, development or other potential disturbance of soil conditions described.

We recommend a DEQ licensed sewage disposal business prepare plans for DEQ construction/installation permit and install/repair/alter system following permit issuance. Please call 503-861-3280 if you have questions.

* Low-Pressure Distribution Seepage Bed systems may be considered for initial and/or replacement disposal areas on Lots 9 & 10 only - physical staking of disposal areas for initial & replacement systems will be required prior to permit issuance on Lots 9 & 10, may also be required on lots 1, 2, 3, 4, 5, 6, 7, 8, 11, 12 & 13. See attached plot plans for test pit locations and approved areas.

PLOT PLAN ON REVERSE SIDE

Surf Pines Est#s North

T7N R10W Sec. 16C TL# 1200 - Lots 7 & 8

9/9/03 CMS & DCI

9 SF

N11°30'00"W

120.70'

N10°00'00"W

122.17'

↑ N
approx. scale:
1" = 50'

364.31'

22'

50' min setback

LOT 8
43,613 SF

360.60'

surface water boundary
(mean high)

353.63'

LOT 7
43,569 SF

50' min setback

150.00'

583°00'00"W

Approved Area for Sewage Disposal

150.00'

583°00'00"W

Approved Area for Sewage Disposal

140.00'

N83°00'00"E

121.05'

10'

15'

30'

50'

10'

10'

10'

10'

10'

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10'

10'

122.73'

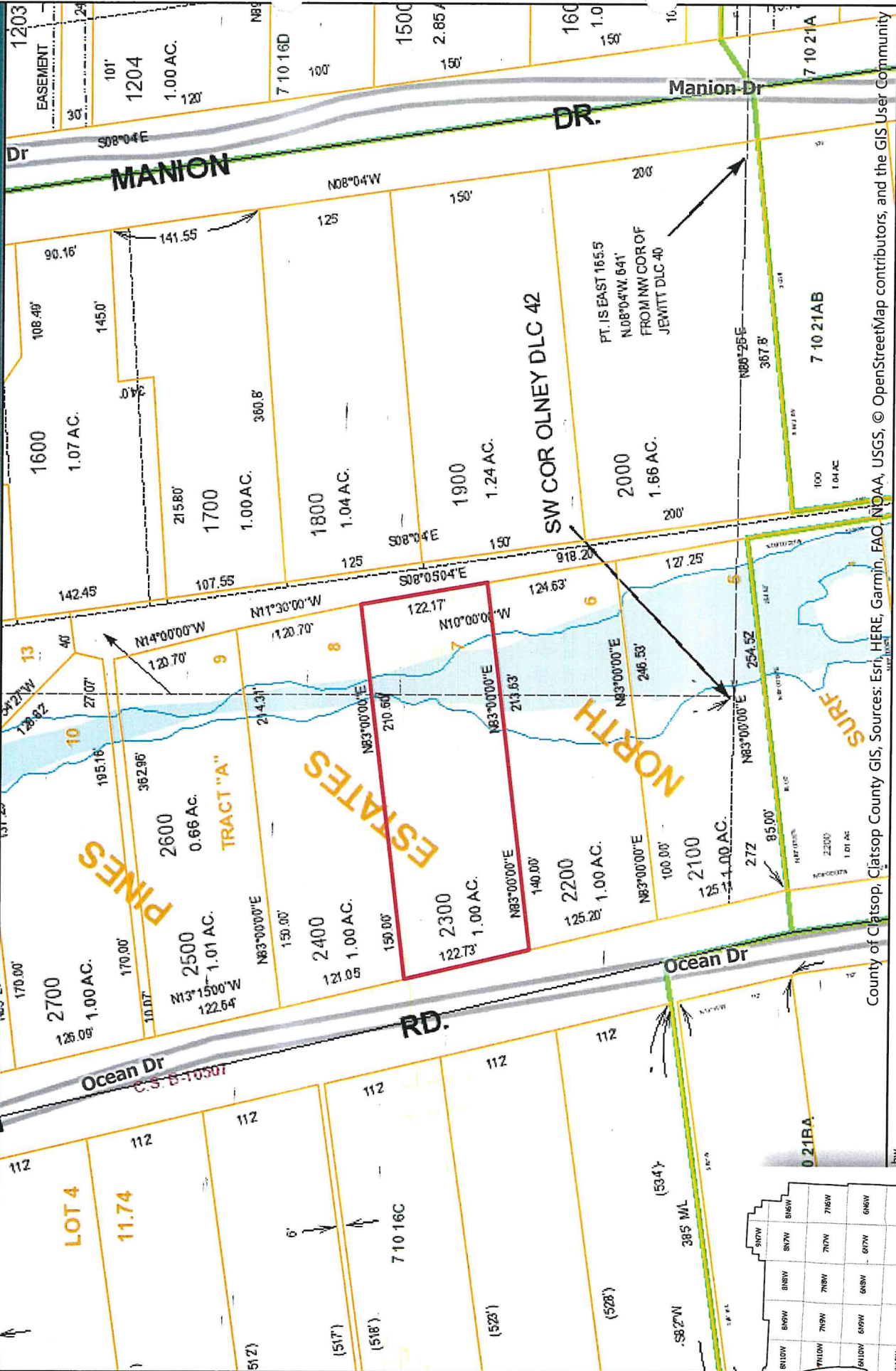
25' min setback

1052.38' M. R6

40' R.O.W.

Ocean Drive

Clatsop County, OR



County of Clatsop, Clatsop County GIS, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



Clatsop County

0.05 mi



This map was produced using Clatsop County GIS data. The data is maintained by Clatsop County to support its governmental activities. Clatsop County is not responsible for any map errors, possible misuse, or misinterpretation.

512W	512W	512W	512W	512W	512W	512W	512W	512W	512W
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6/22/2020 9:58 AM