

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 5/4/2009

Installer Name: Big River Construction, Inc.: dba Big River Excavating

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

<u>Connie Schrandt</u>	Onsite Wastewater Specialist	5/5/2009
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

For Official Use Only/Date Received: [REDACTED]

Final Inspection Request and Notice - Onsite ID: 407205

MAY 04 2009

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.

SECTION 1: Owner/Permittee Information:

Name: Daniel Allen And Carolyn Allen
Property Address: Patricia Ann Lane, Gearhart

Township 06N, Range 10W, Section 04 AA
 Clatsop County TaxLot#: Tax Lot 1000

SECTION 2: System Component Specifications:

A. Tanks/Pumps System Type: Pressure Distribution Water tight verification*

Tanks(1)	Volume:	1500 gal.	Compartments:	2	Manufacturer:	A-1 concrete	Date:	4/30/09
	Tanks(2)	Volume:				Manufacturer:		
Pump(s)	HP:		Model/Manuf.		Float(s)Type(1):		Model/Manuf.	
					Float(s)Type(2):			Model/Manuf.

B. Piping

Effluent Sump (tank to drainfield)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Diameter:	1 1/4"	ASTM#/Other:	200 class	Length:	65'
Pressure Transport Pipe	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Diameter:		ASTM#/Other:		Length:	

C. Secondary Treatment Unit:

Sand Filter**	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Type:	Pressure bed	Container Dimensions:	16' x 38'
Underdrain pipe	Diameter:	1 1/4"	ASTM#/Other:	200 class	Length:	
Manifold piping	Diameter:	1 1/4"	ASTM#/Other:	200 class	Length:	
Internal Pump	HP:	1/2	Model/Manufacturer	PA30 series	PA3005	
Floats(1)	Type:		Model/Manufacturer			
Floats(2)	Type:		Model/Manufacturer			
ATT	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Model:			
Certified Maint.	Provider Name:					
Operation and Maint.	Contract Received?	Yes <input type="checkbox"/>	No <input type="checkbox"/>			

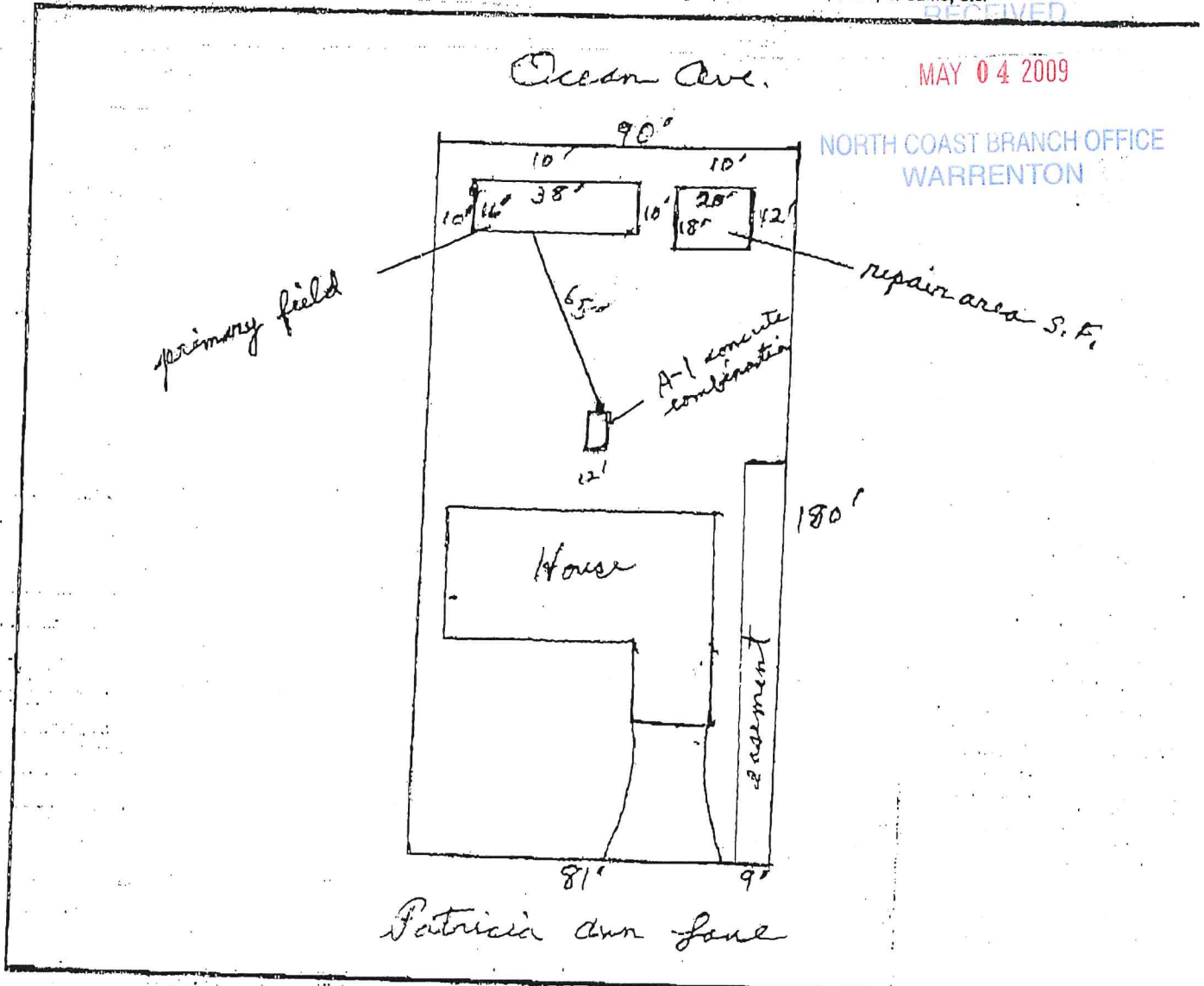
D. Drainfield Media

Type	(Gravel, Pipe or alternative?) 1 1/2" - 3/4" gravel					
Distribution Box	Yes <input type="checkbox"/>	No <input type="checkbox"/>				
Drop Box	Yes <input type="checkbox"/>	No <input type="checkbox"/>				
Distribution Pipe	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Diameter:	1 1/4"	ASTM#/Other:	200 class
Comment						Length:

*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: WADE TULKER

Licensed Installer: Yes No License#: 38236 Certification#: R188

Owner/Certified Installer: Signature: Wade Tulkar Date: 5-1-09 Phone#: 503 741 10760

SECTION 5 - Office Use Only:

Notice Accepted: Yes No Date: 5-4-09 Installer/Owner (Permitter) Notified: Yes No Date: 5-4-09

If No, Reason for Non Acceptance:

Comment:

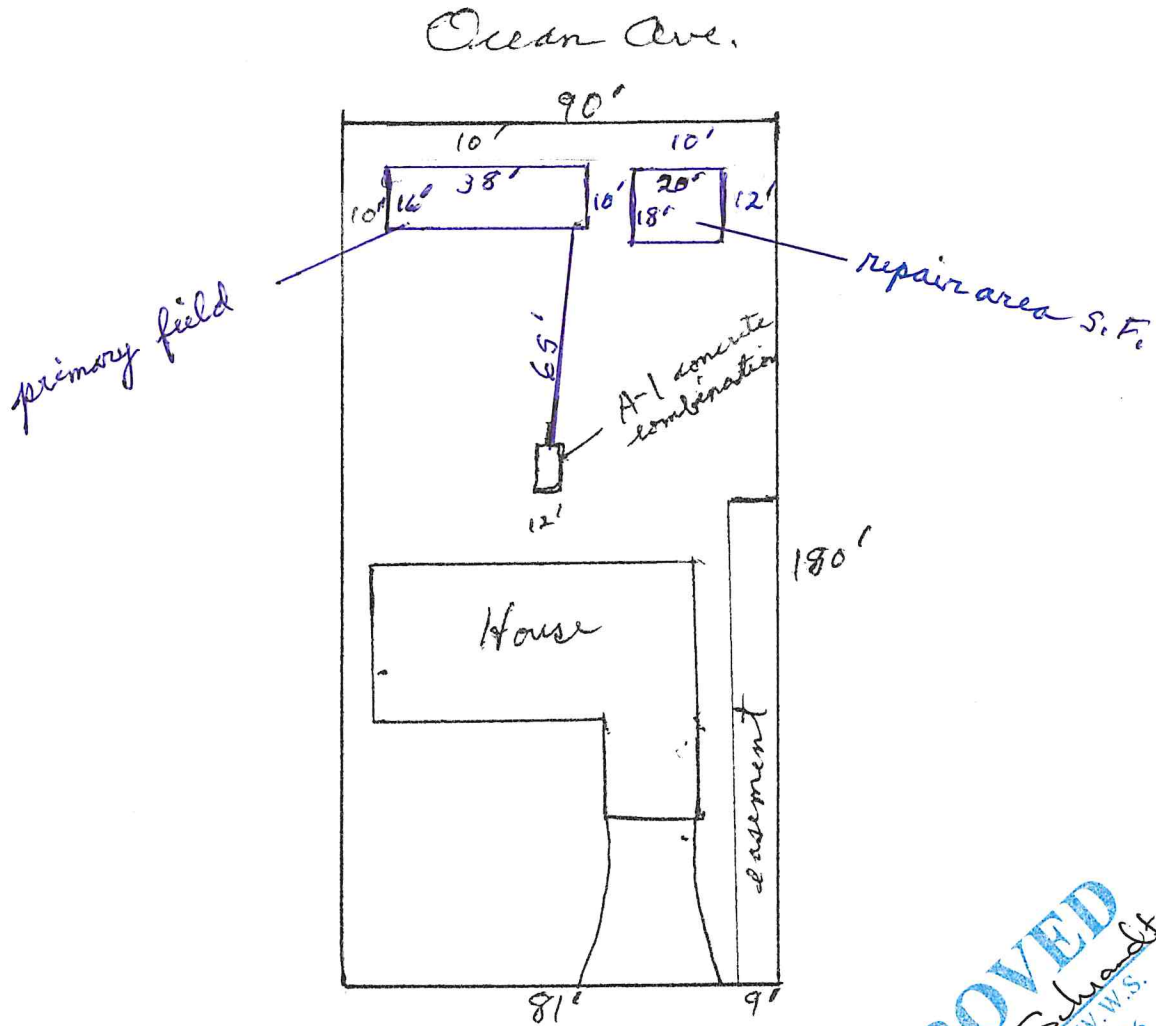
Don & Carolyn Allen

LN 10W HAA -1000
BIG RIVER EXCAVATING

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

MAR 05 2009

NORTH COAST BRANCH OFFICE
WARRENTON



Patricia Ann Lane

APPROVED
Connie M. Schrandt
Lic. No. EH-W-769756
3-6-09

pipe layout
and hole placement
for 16' by 38'
seepage bed

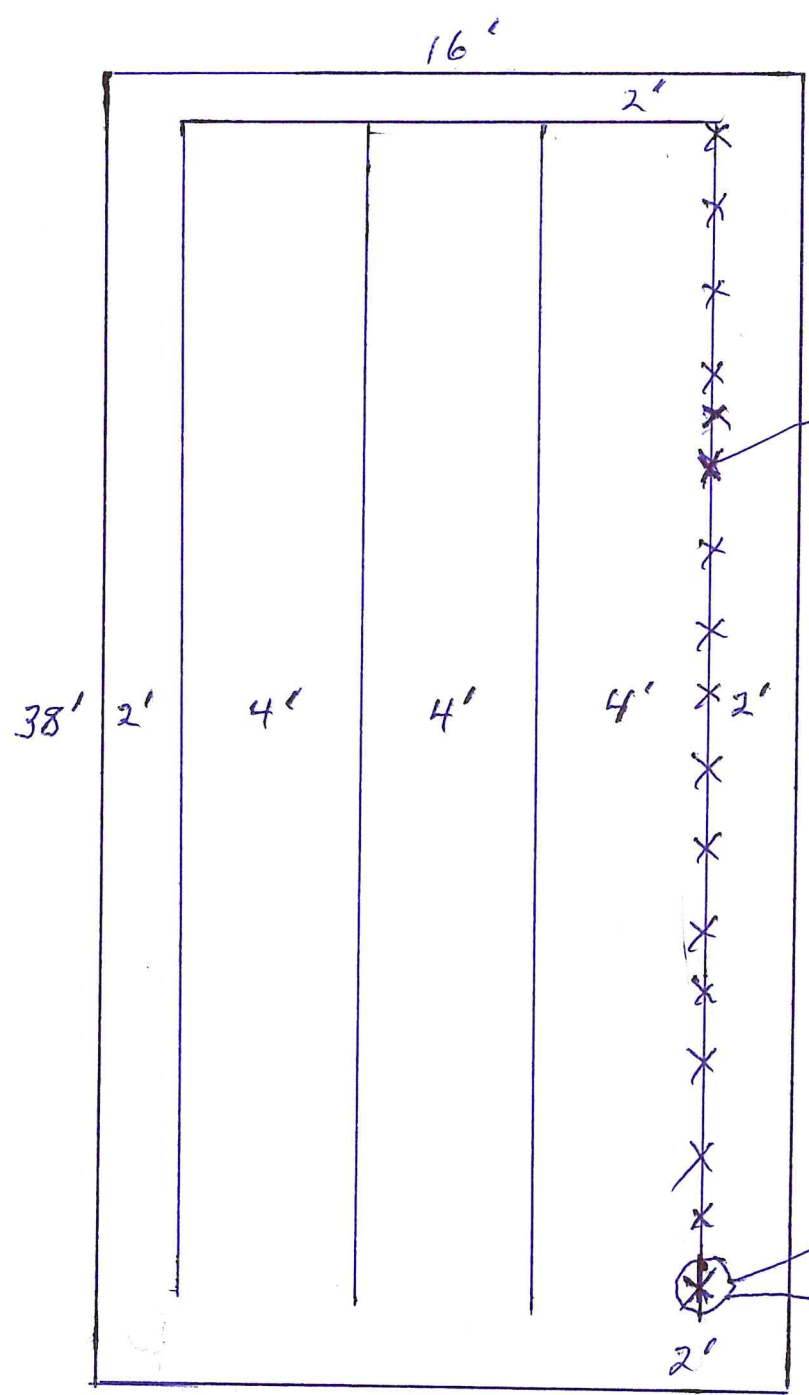
Dan + Carolyn Allen
6N 10W 4AA -1000
BIG RIVER EXCAVATING

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NORTH COAST BRANCH OF THE
MAINTENANCE

17 holes per line
68 holes total



holes drilled
on 2' centers

APPROVED
Connie M. Schrandt
Connie M. Schrandt, W.W.S.
Lic. No. FH-W-760756
3-6-09

orifice shields
sweeps with
screw on caps

x - denotes 1/8" holes drilled straight up

Jan + Carolyn Allen
6N 10W 4AA - 1000
BIG RIVER EXCAVATING

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WARRENTON

SYSTEM HEAD CALCULATIONS

1. STATIC HEAD: (vertical elevation difference from the pump base to the pressure distribution laterals) 0 feet
2. SYSTEM ALLOWANCE: (includes distribution piping losses and a five foot residual head discharge at the distribution laterals) 10* feet
3. FRICTION HEAD: (transport pipe friction loss at flow rate)

(a) Calculate Flow rate:

Diameter of orifices..... 1/8 inch
Number of orifices = N = 70
Orifice discharge rate = R = 141 gpm
Total gallons per minute = N X R = 28.70 gpm

(b) Calculate Friction Head Loss:

Length of transport pipe = P (in feet) 65'
Friction loss coefficient = L (see reverse side) 6.66
Friction Head = P X L = 4.33 feet

4. TOTAL DYNAMIC HEAD (TDH): (sum of static head, system allowance and friction head)

5. HYDRAULIC SPECIFICATIONS:

PUMP DUTY: 28.70 gpm @ 14.33 TDH

BRAND: PA 30 series

MODEL: PA 3005 HORSEPOWER: 1/2

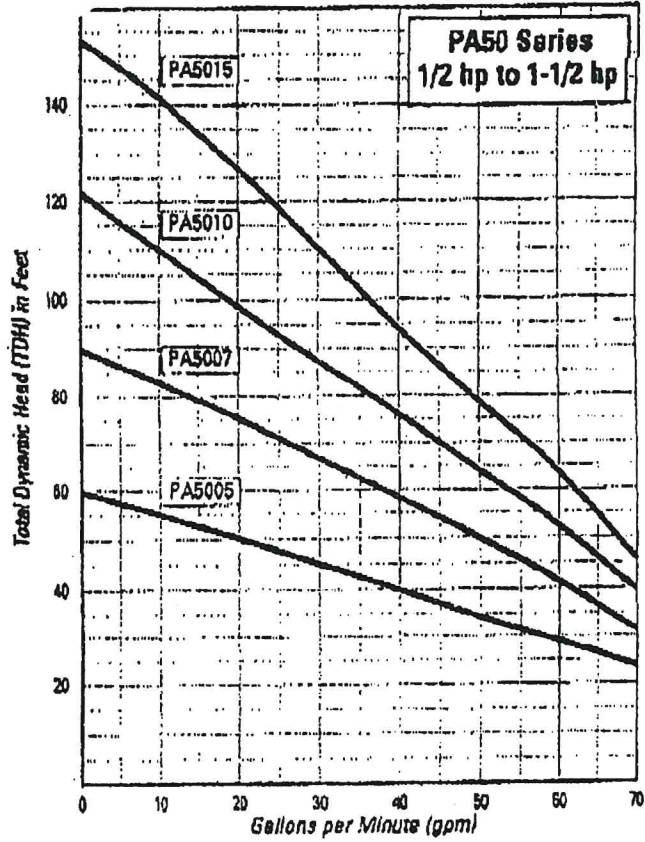
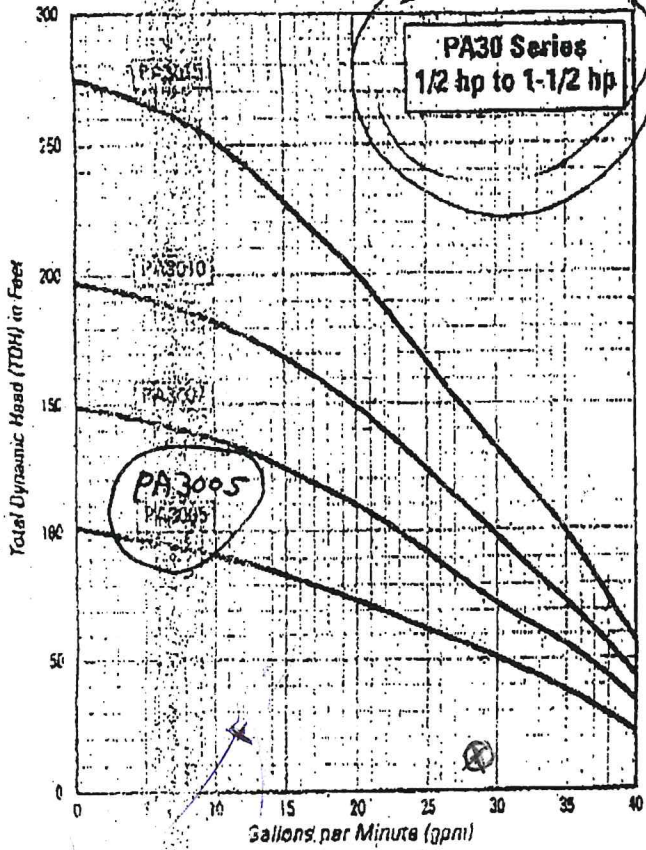
CAPACITY: 14.33 TDH @ 40 + GPM, and

28.70 GPM @ 55 TDH

APPROVED
14.33 feet
Connie M. Schrandt
Lic. No. EH-W-760756
3-6-09

Footnote: * in absence of specific head loss calculations, use 10 feet for this factor.

Dan & Carolyn Allen



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APPROVED
Connie M. Schrandt
Connie M. Schrandt, W.W.S.
Lic. No. EH-W-760756
3-6-09

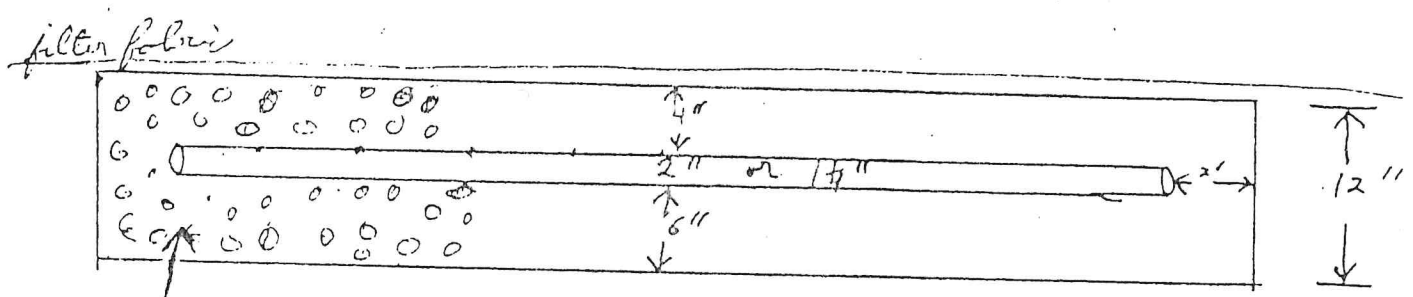
Jan + Carolyn Allen
 GN 10W HAA - 1000
 BIG RIVER EXCAVATING
**BIG RIVER
 ROCK**

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▲ ROCK PRODUCTS
 ▲ EXCAVATING
 ▲ LANDSCAPE SUPPLIES
 ▲ SEPTIC SYSTEMS
 Phone 503-717-0489
 Fax 503-717-4167
 3111 Hwy 101N
 Seaside, Oregon

4TH COAST BRANCH OFFICE
 WARRENTON

cross-section of seepage bed



- ~~3/4~~ - 2 1/2" crushed rock
- pipe - 1 1/4" - 200 class drilled with 1/4" holes straight up - PVC 1120 ASTM-D 2241
- seepage bed covered with Typos 3201 filter fabric

- 1000 gal septic tank
- X 1500 gal combination tank

APPROVED
 Connie M. Schardt
 Connie M. Schardt, W.W.S.
 Lic. No. EH-W-760756
 3-6-09



Recording Instrument #: 200810479

Recorded By: Clatsop County Clerk

of Pages: 6 Fee: 51.00

Transaction date: 11/18/2008 13:52:56

Deputy: Iromeyn

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

MAR 05 2009

NORTH COAST BRANCH OFFICE
WARRENTON

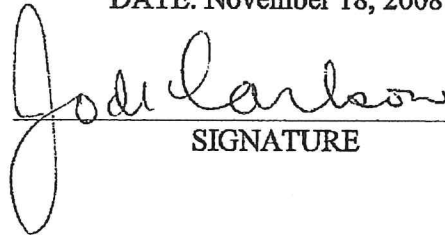
RERECORDING STATEMENT

THIS DOCUMENT IS BEING RERECORDED TO CORRECT:

To correct scrivener's error in legal

PREVIOUSLY RECORDED INSTRUMENT NUMBER 200809665

DATE: November 18, 2008


SIGNATURE



Recording Instrument #: 200809665
 Recorded By: Clatsop County Clerk
 # of Pages: 5 Fee: 46.00
 Transaction date: 10/20/2008 15:50:01
 Deputy: tromeyn

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NORTH COAST BRANCH OFFICE
 WARRENTON



After Recording Return To:
 Daniel G. Allen
 Carolyn Ann Allen
 P.O. Box 465
 Welches OR 97067-0465

Send Tax Statements To:
 Daniel G. Allen
 Carolyn Ann Allen
 P.O. Box 465
 Welches OR 97067-0465

Title Order No. 44-25274
 Escrow No. 44-25274
 Tax Account No. 1006 61004AA
 01000 ACCT ID# 8385

WARRANTY DEED
 (ORS 93.850)

Stephen E. Thompson, Jr., an estate in fee simple, Grantor, conveys and warrants to Daniel G. Allen and Carolyn Ann Allen, as tenants by the entirety, Grantee, the following described real property:

See Exhibit 'A' attached hereto and by reference made a part hereof.

Situs address:
 v/l Acct.ID#8385 Gearhart OR 97138

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.338 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.338 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007.

The true consideration for this conveyance is \$600,000.00.


Recorded by Ticor, Title Ins. Co. 4-4-25274

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RECEIVED

MAR 05 2009

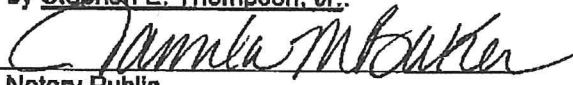
NORTH COAST BRANCH OFFICE
WARRENTON

Dated this 16 day of October, 2008.


Stephen E. Thompson, Jr.

State of OR, County of Clatsop)ss.

This instrument was acknowledged before me on 10/16/08, 2008
by Stephen E. Thompson, Jr.


Notary Public

My commission expires: May 11, 2012



MAR 05 2009

NORTH COAST BRANCH OFFICE
WARRENTON

EXHIBIT B-RESERVATION OF EASEMENT

OCTOBER 11, 2008

LEGAL DESCRIPTION FOR STEVE THOMPSON
A 8' WIDE PERMANENT, NONEXCLUSIVE
EASEMENT FOR PLANTING AND MAINTENANCE
OF A VISUAL VEGETATIVE SCREEN ON THAT PORTION
OF PARCEL 2 INSTRUMENT NO. 200511380 CLATSOP COUNTY
DEED RECORDS AS DESCRIBED BELOW;

A 8' WIDE EASEMENT FOR PLANTING AND MAINTENANCE OF A VEGETATIVE VISUAL SCREEN ON A STRIP OF PROPERTY DESCRIBED AS FOLLOWS, ALL OF WHICH IS SITUATED ON PARCEL NO. 2 INSTRUMENT 200511380 CLATSOP COUNTY DEED RECORDS SITUATED IN THE NE 1/4 OF SECTION 4, T 6 N, R 10 W, W.M., CLATSOP COUNTY, OREGON

COMMENCING AT A RUSTY 1 1/2" IRON PIPE, THE SAME POINT BEING THE "INITIAL POINT" OF THE "NEW FIRST ADDITION TO GEARHART PALISADES" AS DEPICTED ON CLATSOP COUNTY SURVEYOR'S RECORD MAP C-343, SITUATED IN THE NW 1/4 OF SECTION 4, T 6 N, R 10 W, W.M.; THENCE NORTH 35 DEGREES 56 MINUTES 25 SECONDS EAST, A DISTANCE OF 388.96 FEET TO THE SOUTHEAST CORNER OF THAT PARCEL DESCRIBED IN INSTRUMENT NO. 200511380 AS PARCEL NO. 1, SAID POINT IS MONUMENTED BY A 5/8" REBAR WITH A PLASTIC ORANGE CAP STAMPED "MENDENHALL LS 2001, THIS SAME POINT IS THE TRUE POINT OF BEGINNING OF SUBJECT EASEMENT; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 9.00 FEET, ALONG THE WESTERLY RIGHT OF WAY OF PATRICIA ANN LANE, TO A 5/8" REBAR WITH A PLASTIC ORANGE CAP STAMPED "MENDENHALL LS 2001"; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS WEST, A DISTANCE OF 90.00 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, A DISTANCE OF 9.00 FEET TO THE SOUTH BOUNDARY OF PARCEL NO 1 DESCRIBED IN INSTRUMENT NO. 200511380 CLATSOP COUNTY DEED RECORDS; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST ALONG THE SOUTH BOUNDARY OF THE ABOVE MENTIONED PARCEL NO. 1, A DISTANCE OF 90.00' TO THE WESTERLY RIGHT OF WAY OF PATRICIA ANN LANE AND THE TRUE POINT OF BEGINNING OF THIS EASEMENT DESCRIPTION THIS EASEMENT CONTAINS 810 SQUARE FEET.

THE BASIS OF BEARING AND CONTROL FOR THE ABOVE DESCRIPTION IS PER THE SURVEY FOR STEVE THOMPSON DATED SEPTEMBER 6, 2008 RECORDED AS CLATSOP COUNTY SURVEYOR'S MAP B-12374.

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MAR 05 2009

Title No. 44-25274

Escrow No. 44-25274

NORTH COAST BRANCH OFFICE
WARRENTON

Reservation of a 9' Easement unto the Grantor as described and attached hereto as Exhibit B.

MAR 05 2009

Title No. 44-25274

Escrow No. 44-25274

NORTH COAST BRANCH OFFICE
WARRENTON

EXHIBIT 'A'

Legal Description:

A parcel of land in the Gearhart Donation Land Claim more particularly described as follows:

Beginning at a point which is 3934.20 feet North and 959.35 feet West of the ~~Southwest~~ Southeast corner of Section 4, Township 6 North, Range 10 West, Willamette Meridian, which point is in the West line of Patricia Ann Lane as evidenced by instrument recorded in Book 156, page 214, Clatsop County Records;

thence South along the West line of said Patricia Ann Lane a distance of 90 feet;

thence West a distance of 194.79 feet to the East line of Ocean Avenue as evidenced by said instrument recorded in Book 156, page 214, Clatsop County Records;

thence North 1° 41' West along the East line of said Ocean Avenue a distance of 90.04 feet;

thence East a distance of 197.44 feet to the point of beginning.

Subject to:

The said property is free from encumbrances except:

The premises herein described lie within and are subject to the statutory powers, including the power of assessment of Sunset Empire Parks and Recreation District.

Rights of the public in and to that portion lying within Ocean Avenue and Patricia Ann Lane.

Easement as reserved in document, including the terms and provisions thereof.

Filed by: Barney Lucas
Recorded: January 16, 1941
Book: 156 Page: 583
in Clatsop County, Oregon.

Covenants, conditions and restrictions, but omitting covenants or restrictions, if any, based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, imposed by instrument, including the terms and provisions thereof.

Recorded: August 17, 1945
Book: 179 Page: 602
in Clatsop County, Oregon.

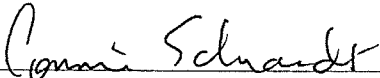
Easement as disclosed in Quitclaim Deed, including the terms and provisions thereof.

From: Barney Lucas and Helen Lucas
To: Palisades Homeowners Association, Inc.
Recorded: May 7, 1986
Book: 656 Page: 387
Records of Clatsop County, Oregon.

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.

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

	Onsite Wastewater Specialist	2/10/2009	2/10/2010
Authorized Agent:	Title	Date Issued	Expiration Date

Connie Schrandt

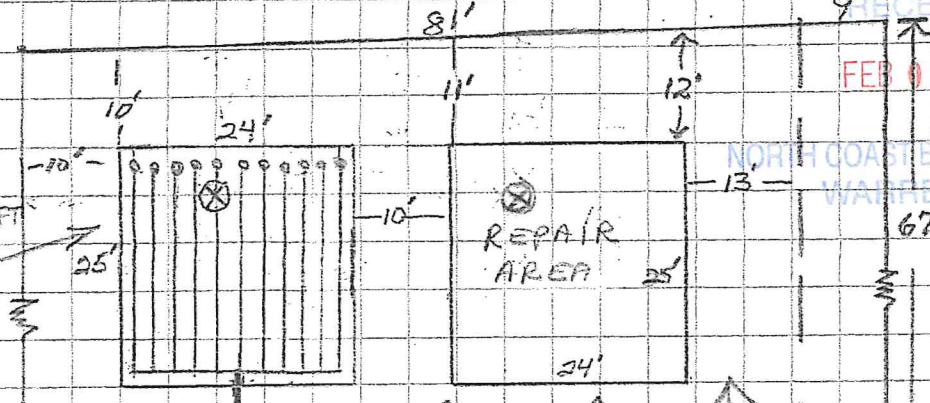
Department of Environmental Quality
Northwest Region, Warrenton Office
65 N Highway 101, Suite G
Warrenton, OR 97146
Phone: (503) 861-3280
Fax: (503) 861-3259

See the Attachment 1 for additional information about your permit.

OCEAN AVE

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED
FEB 09 2009

24'x25' Low-
PRESSURE DIST.
SEEPAGE BED - 600DFT
MIN. DEPTH - 18"
MAX DEPTH - 36"



68'-3" PVC D1785
TRANSPORT PIPE
W/GRN TRACE WIRE

WILLAMETTE GREYSTONE
1500 GAL 2 COMP
SEPTIC / DOSE TANK

DAN & CAROLYN ALLEN
6N-10W-49A-1000
KEITH KERRAWE EXCAVATING
#32452

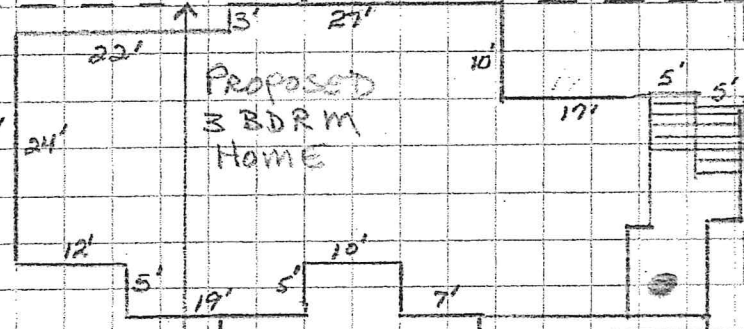
SCALE: 1" = 20'

N →

⊗ TEST HOLES
● OLD TEST HOLES

400R
SETBACK
LINE

194.81'



197.43'

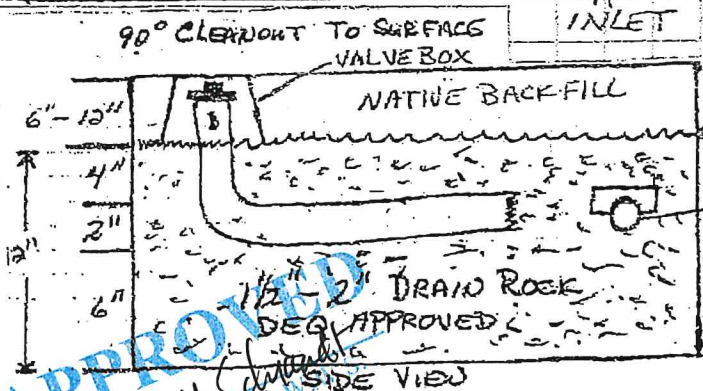
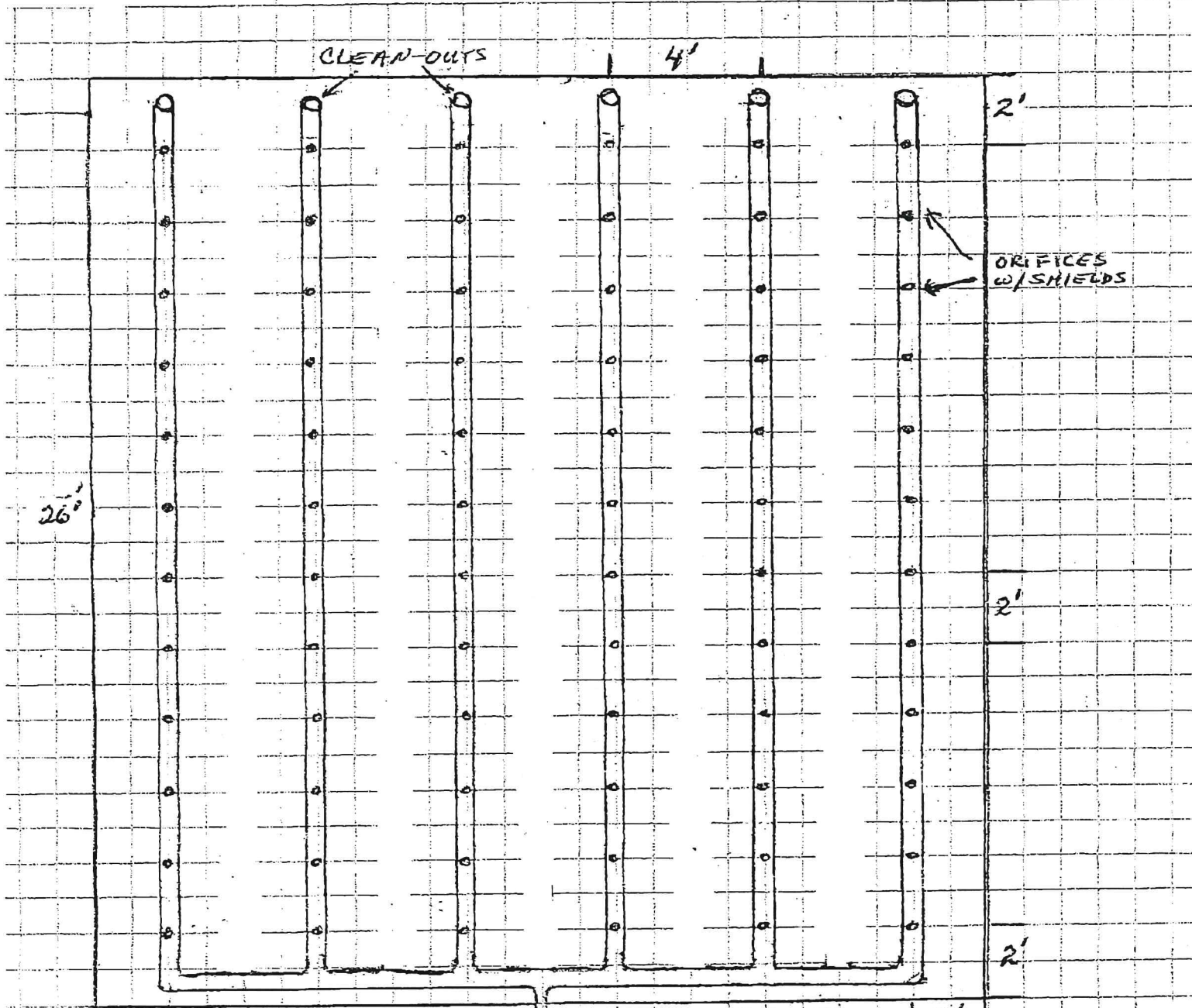
EASEMENT FOR T/L 1100

90'

BLUE FLAG
INITIAL SYS.
GREEN FLAG
REPAIR AREA
ORANGE FLAG
HOUSE LOCATION

APPROVED
Connie M. Schrandt
Lic. No. FH-W-760756
2-10-09

PATRICIA ANN LANE



DAN & CAROLYN ALLEN
 6N-1010-4AA-1000
 KEITH KERANEN EXC.
 #38452

APPROVED
 Connie M. Schrandt
 Lic. No. EH-W-720756
 2-10-09

PRESSURIZED SEEPAGE BED
 24' X 26' = 650 SQ FT
 6 LATERALS W/ 12 ORIFICES EA =
 72 ORIFICES TOTAL

DEPT. OF ENVIRONMENTAL QUALITY
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FEB 10 2009

NORTH COAST BRANCH OFFICE
 WARRENTON

Pump Selection for a Pressurized System

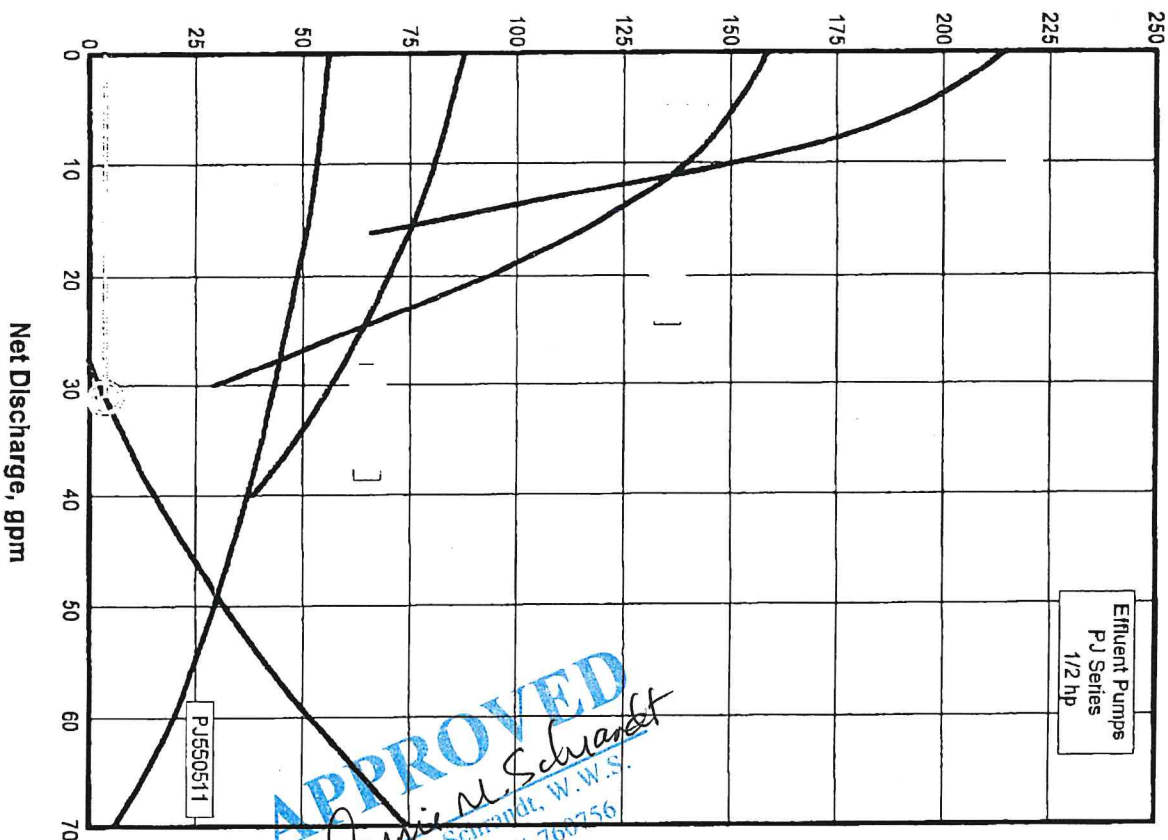
Input Parameters

Orifice Size	1/8 inches
Residual Head at Last Orifice	5.00 feet
Orifice Spacing	2.0 feet
Number of Laterals per Cell	6
Lateral Length	23.0 feet
Lateral Line Size	1.25 inches
Lateral Pipe Class/Schedule	40
Distributing Valve Model	None
Manifold Length	20.0 feet
Manifold Line Size	1.25 inches
Manifold Pipe Class/Schedule	40
Lift to Manifold	-15.0 feet
Transport Length	68.0 feet
Transport Line Size	1.25 inches
Transport Pipe Class/Schedule	40
Discharge Assembly Size	1.25 inches
Flow Meter	None
'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	31.2 gpm
Number of Lines per Zone	8
% Flow Differential 1st and Last Orifice	0.3 %
Lift to Manifold	-15.0 feet
Residual Head at Last Orifice	5.00 feet
Head Loss in Laterals	0.0 feet
Head Loss Through Distributing Valve	0.0 feet
Head Loss in Manifold	0.7 feet
Head Loss in Transport Pipe	8.2 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	31.2 gpm
TDH	3.7 feet

Total Dynamic Head (TDH), feet



Dan & Carolyn Allen 6N-10W-4AA-1000
 Keith Keranen Excavating #38452 Patricia Ann Lane



Oreco Systems
 Incorporated

814 AIRWAY AVENUE
 SUTHERLIN, OREGON
 97479

TOLL FREE
 (800) 346-9843

TELEPHONE
 (541) 459-4449

FACSIMILE
 (541) 459-2884

www.oreco.com

APPROVED
 Connie M. Schmidt, W.W.S.
 Lic. No. EH-W-700756
 2-10-09

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 NORTH COAST BRANCH OFFICE
 WARRENTON

NORTH COAST BRANCH OFFICE
 WARRENTON

FEB 10 2009



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

Date Stamp: DEPT. OF ENVIRONMENTAL QUALITY RECEIVED FEB 09 2009 NORTH COAST BRANCH OFFICE WARRENTON	For DEQ Use Only:
	Date Received <u>2/9/09</u> Fee Paid <u>\$1010.00</u> Receipt Number <u>138403</u> Application Number <u>408141</u> Date of 1st Response <u>2-10-09</u> Date of 2nd Response _____ Date of Final Response _____ Date of Completion <u>2-10-09</u> Scanned _____ Data Entry _____

A. Property Owner Information

<u>Dan & Carolyn Allen</u> Name	<u>PO Box 465 Welches, OR 97067</u> Mailing Address (Street or PO Box, City, State, Zip Code)	<u>503-493-6164</u> Phone Number
--	--	-------------------------------------

B. Legal Property Description

<u>6N</u> Township	<u>10W</u> Range	<u>4AA</u> Section	<u>1000</u> Tax Lot	_____ Tax Account Number	<u>.41 acres</u> Acreage or Lot Size
<u>Clatsop</u> County	_____ Subdivision Name		_____ Lot	_____ Block	

Property Address: Patricia Ann Lane Address Gearhart City OR State 97138 Zip Code

Directions to Property: From Warrenton go So. on Hwy 101 to Gearhart Loop Rd and turn right. Go to Palasides entrance (Sea Breeze Blvd) and turn right on Ocean Ave, veer right on Patricia Ann. 2nd lot on left

C. Existing Facility / Proposed Facility / Water Information

Existing Facility: <input type="checkbox"/> Single Family Residence _____ Number of Bedrooms <input type="checkbox"/> Other _____	Proposed Facility: <input checked="" type="checkbox"/> Single Family Residence _____ Number of Bedrooms <input type="checkbox"/> Other _____	Water Supply: <input checked="" type="checkbox"/> Public <u>Gearhart</u> Name <input type="checkbox"/> Private _____ Well, Spring, Shared
--	---	--

D. Type of Application

<input type="checkbox"/> Site Evaluation <input checked="" type="checkbox"/> Construction Permit <input type="checkbox"/> Repair Permit <input type="checkbox"/> Major <input type="checkbox"/> Minor <input type="checkbox"/> Alteration Permit <input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Renewal Permit <input type="checkbox"/> Existing System Evaluation <input type="checkbox"/> Permit Transfer <input type="checkbox"/> Permit Reinstatement	<input type="checkbox"/> Authorization Notice for: <input type="checkbox"/> Connecting to an Existing System Not in Use <input type="checkbox"/> Replacing a Mobile Home or House with Another Mobile Home or House <input type="checkbox"/> The Addition of One or More Bedrooms <input type="checkbox"/> Personal Hardship <input type="checkbox"/> Temporary Housing <input type="checkbox"/> 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.

<u>George M. Owen</u> Signature	<u>2-9-09</u> Date
<u>George Owen</u> Applicant's Name - Please Print Legibly	<u>503-717-2477</u> 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 Keith Keranen Excavating #38452
 Installer's Name

FER 09 2009

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

NORTH COAST BRANCH OFFICE
ARRENTON

1. Applicant Name/Property Owner: Dan & Carolyn Allen
Mailing Address: PO Box 465 Telephone: 503-493-6164
City: Welches State: OR Zip: 97067

2. Property Information:
County: Clatsop Tax Lot Number: 1000
Township: 6N Range: 10W Section: 4AA
Property Address: Patricia Ann Lane
Block: _____ Lot: _____ Subdivision Name (if applicable): _____

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. McVALLI Title: CA
Telephone No.: 738-5501 Date: 2-9-09

* 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: 138403
Oregon Department of Environmental Quality
Warrenton Office
65 N Highway 101, Suite G
Warrenton, OR 97146

FEB 09 2009

NORTH COAST BRANCH OFFICE
WARRENTON
Date Received 2/9/2009

Received From **Daniel Allen**
(Check Name): **9611 NE Sunderland Road**
Portland, OR 97211

For **T06N R10W S04 AA**
Property **TaxLot 1000**
At: **Clatsop County**
Patricia Ann Lane
Gearhart, OR 97138
The Palisades

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order #	Bank Number	Amount Applied
1,010.00	Check	4244	24-680	1,010.00

Total Amount Applied: \$1,010.00

Onsite Fees

Base Fee: **950.00**
Surcharge Fee: **60.00**
Plan Review Flow Fee:
Pump Evaluation Fee:
Flow Fee:
Reinspection Fee:

Total Fee: \$1,010.00

Application Description

Application ID: **408141**
Application Type: **Construction-Installation Permit**
Single Family Dwelling

System Type: **Pressure Distribution**
Pump Evaluation: **No**
Flow: **450** gallons/day

Payments

Previous Payments: **0.00**
Current Payment: **1,010.00**
Over Payment: **0.00**

Total Payments: \$1,010.00

Receipt Amount: \$1,010.00

Received By:

Date of Entry:

Vicky Schiele

2/9/2009



Oregon

Theodore R. Kulongoski, Governor

Department of Environmental Quality

North Coast Branch Office
65 N Highway 101, Suite G
Warrenton, OR 97146
(503) 861-3280
FAX (503) 861-3259

February 4, 2009

Dan & Carolyn Allen
P.O. Box 465
Welches, OR 97067

IMPORTANT DOCUMENT – PLEASE READ CAREFULLY

-This is not a construction permit-

RE: **Site Evaluation Results – Site Approval With Conditions**
Township/Range/Section: T6N, R10W, S4AA; Tax Lot No. 1000, Clatsop County
Onsite No.: 407192

Dear Dan & Carolyn Allen:

The above-described property was evaluated for suitability of onsite sewage disposal on the following date(s): February 4, 2009. Based on this evaluation, the following onsite wastewater treatment systems are approved:

Initial system: Low-Pressure Distribution Seepage Bed, 600 square feet
Replacement system: Low-Pressure Distribution Seepage Bed, 600 square feet

NOTE: A site development plan accompanied by physical staking of both the initial and replacement disposal areas located within the area approved for onsite sewage disposal will be required for review and approval prior to issuance of a construction/installation permit. Details of the site evaluation 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. 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 60 days of the site evaluation report issue date at a cost of \$460. 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 \$1360. 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

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



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

Site Location: T6N, R10W, S4AA; Tax Lot No. 1000, Clatsop County
Applicant: George Owen
Application No.: 408056 Onsite No.: 407192
Date(s) of Site Evaluation: February 4, 2009
DEQ Onsite Specialist: Connie M. Schrandt
Date of Report: February 4, 2009

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 functioning of 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 and the replacement disposal areas. 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 February 4, 2009. In the site inspection, 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:

Initial System: System Type: **Low-Pressure Distribution Seepage Bed**
Minimum Septic Tank Capacity: 1000 gallons
Minimum Dosing Tank Size: 500 gallons
Distribution Method: Low Pressure
Bottom Area of Seepage Bed: 600 square feet
Bed Depths: Maximum - 36" and Minimum - 18"

Replacement System: Same as for Initial System.

IMPORTANT: A site development plan accompanied by physical staking of both the initial and replacement disposal areas within the area approved for onsite sewage disposal will be required for review and approval prior to issuance of a construction/installation permit.

The plan and stakeout 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 Worksheet and Plot Plan, which show the approved area and other details of the site evaluation.

Site Limitations

Most sites have some 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 at this site.

Clatsop Plains Geographic Area Special Considerations

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

Description: For properties within the area generally known as the Clatsop Plains *of less than one acre in size*, 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.

Site Condition(s) Observed: The subject tax lot is less than one acre in size.

Setbacks from property lines, building foundations, water lines and underground utilities

Rule requirement: Table 1, OAR 340-071 Minimum Separation Distances

Conditions observed: The size and configuration of the subject property relative to development plans and maintaining required setbacks are such that only low-pressure distribution seepage bed or bottomless sand filter systems will be considered.

Additional Conditions of Site Approval

1. This site is approved for the type of onsite system described above. Peak sewage flow into the 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 up to four bedrooms. Premature failure of the treatment system may occur if either of these flow limits is exceeded.
2. Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void this approval.
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 the property described above will not be further partitioned or subdivided.

This site approval is valid until the system approved above 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 Plan

SI EVALUATION FIELD WORKSHEET

Township: 6 N Range: 10 W Section: 4AA Tax Reference: 1000 Parcel Size: 0.41 acres
 Owner/Applicant: Allen/Dawen Evaluator: Connie Schandt
 Inspection Date(s): 2-4-09 Application Number: 408056

DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC...
Pit 1	0-3	ls/duff 2.5 Y 4-3/2 loose, sg; many v.f. f. m + c roots to ~18"
	3-66	s 2.5 Y 5-4/3; " " ; common n f + c roots to 60"
Pit 2	0-2	} similar to Pit 1
	2-64	
Pit 3		
Pit 4		

Landscape Notes: Stabilized dune - convex linear toe slope
 Slope: -16-12% Aspect: W + SW Groundwater Type: NO evidence
 Other Site Notes: _____

SYSTEM SPECIFICATIONS

Design Flow: 450 gpd
 Initial System: Alt. low pressure distribution: seepage bed ATT Treatment Standard: _____
 Disposal Facility: 600 linear feet/square feet Maximum Depth: 36 inches Minimum Depth: 18 inches
 Replacement System: same as initial system ATT Treatment Standard: _____
 Disposal Facility: _____ linear feet/square feet Maximum Depth: _____ inches Minimum Depth: _____ inches
 Special Conditions: Maintain all setback distances required in Table 1 of rules

Township: 6 N Range: 10 W Section: 4AA Tax Reference: 16 0 Parcel Size: 0.41 acre

Owner/Applicant: Allen Lowen Evaluator: Connie Schrandt

Inspection Date(s): 2-4-09 Application Number: 408056

Ocean Ave

undisturbed ground

#1

#2

20'

30'

10'

10'

N →

(Approximate

Scale: 1" = 10')

Slope
12:01
20:12

steep slope

197.4'

Acceptable Area for
Onsite Sewage Disposal
(Install + Replacement)

Patricia Ann Lane



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 RECEIVED JAN 15 2009 NORTH COAST BRANCH OFFICE WARRENTON	Date Stamp: Date Received <u>1/15/09</u> Fee Paid <u>485⁰⁰</u> Receipt Number <u>136178</u> Application Number <u>408056</u> Date of 1st Response <u>2-4-09</u> Date of 2nd Response _____ Date of Final Response _____ Date of Completion <u>2-4-09</u> Scanned _____ Data Entry _____
---	--

A. Property Owner Information

Dan & Carolyn Allen PO Box 465 Welches, OR 97067 503-493-6164
 Name Mailing Address (Street or PO Box, City, State, Zip Code) Phone Number

B. Legal Property Description

6N 10W 4AA 1000 .41 Acres
 Township Range Section Tax Lot Tax Account Number Acreage or Lot Size
Clatsop _____
 County Subdivision Name Lot Block

Property Address: Patricia Ann Lane Gearhart OR 97138
 Address City State Zip Code

Directions to Property: From Warrenton go South on Hwy 101 to Gearhart Loop Rd and turn right. Go to Palisades entrance (Sea Breeze Blvd) and turn right on Ocean Ave, go past junction w/Patricia Lane, 2nd lot on rt.

C. Existing Facility / Proposed Facility / Water Information

Existing Facility: <input type="checkbox"/> Single Family Residence _____ Number of Bedrooms <input type="checkbox"/> Other _____	Proposed Facility: <input checked="" type="checkbox"/> Single Family Residence _____ Number of Bedrooms <input type="checkbox"/> Other _____	Water Supply: <input checked="" type="checkbox"/> Public <u>Gearhart</u> Name <input type="checkbox"/> Private _____ Well, Spring, Shared
--	---	--

D. Type of Application

<input checked="" type="checkbox"/> Site Evaluation <input type="checkbox"/> Construction Permit <input type="checkbox"/> Repair Permit <input type="checkbox"/> Major <input type="checkbox"/> Minor <input type="checkbox"/> Alteration Permit <input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Renewal Permit <input type="checkbox"/> Existing System Evaluation <input type="checkbox"/> Permit Transfer <input type="checkbox"/> Permit Reinstatement	<input type="checkbox"/> Authorization Notice for: <input type="checkbox"/> Connecting to an Existing System Not in Use <input type="checkbox"/> Replacing a Mobile Home or House with Another Mobile Home or House <input type="checkbox"/> The Addition of One or More Bedrooms <input type="checkbox"/> Personal Hardship <input type="checkbox"/> Temporary Housing <input type="checkbox"/> 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 1/15/09
 Signature Date
George Owen 503-717-2477
 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 Keith Keranen Excavating #38452
 Installer's Name



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

JAN 15 2009

NORTH COAST BRANCH OFFICE
WARRENTON

NOTICE AUTHORIZING REPRESENTATIVE

I, DAN ALLEN, have authorized
(Property Owner/Print Name)
GEORGE OWEN 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 6N Range 10W Section 4AA Map ID _____ Tax Lot #(s) 1000

Township _____ Range _____ Section _____ Map ID _____ Tax Lot #(s) _____

PROPERTY OWNER:

Printed Name: DAN ALLEN

Signature: [Signature] Date: 1/13/09

Address: P.O. Box 465 Phone: 503-493-6164

City, State, Zip: WELCHES, OR 97067 Fax: _____

E-mail Address: DANeswartzms.com

AUTHORIZED REPRESENTATIVE:

Printed Name: GEORGE M. OWEN

Signature: [Signature] Date: 1/12/09

Address: 89647 MANION DR Phone: 503-717-2477

City, State, Zip: WARRENTON, OR 97146 Fax: 503-717-8681

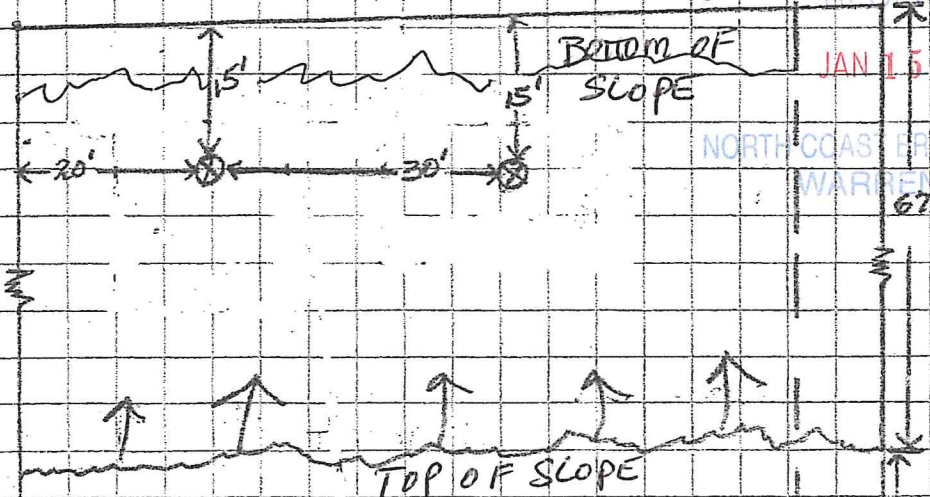
E-mail Address: _____

OCEAN AVE

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 15 2009

NORTH COAST BRANCH OFFICE
WARRENTON



DAN & CAROLYN ALLEN
6N-10W-49A-1000
KEITH KERAUDED EXCAVATING
#38452

SCALE: 1" = 20'

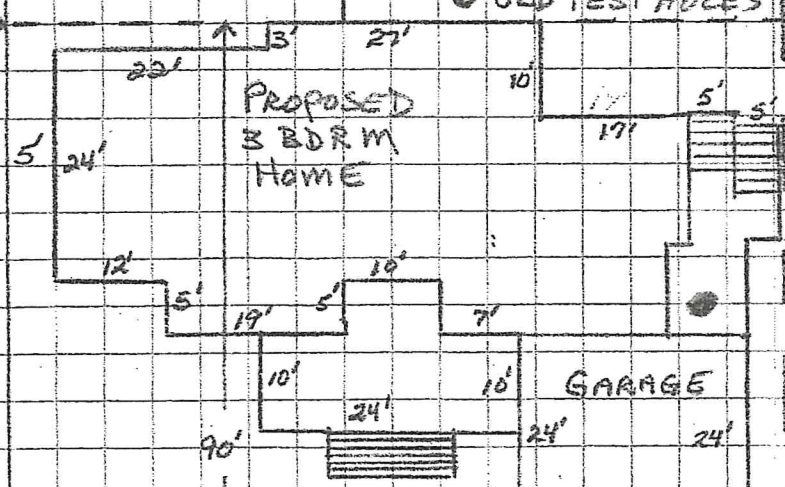
N →

⊗ TEST HOLES

● OLD TEST HOLES

COOR
SETBACK
LINE →

194.81'



EASEMENT FOR T/L 1100

197.43'

130'

GARAGE

DRIVE

81'
PATRICIA ANN LANE

JAN 15 2009



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

Receipt Number: 136178

NORTH COAST BRANCH OFFICE
WARRENTON

Date Received 1/15/2009

Received From **Daniel Allen**
(Check Name): **9611 NE Sunderland Road**
Portland, OR 97211

For **T06N R10W S04 AA**
Property **TaxLot 1000**
At: **Clatsop County**
Patricia Ann Lane
Gearhart, OR 97138
The Palisades

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order #	Bank Number	Amount Applied
485.00	Check	4232	24-680	485.00

Total Amount Applied: \$485.00

Onsite Fees

Base Fee: **425.00**
Surcharge Fee: **60.00**
Plan Review Flow Fee:
Pump Evaluation Fee:
Flow Fee:
Reinspection Fee:
Total Fee: \$485.00

Payments

Previous Payments: **0.00**
Current Payment: **485.00**
Over Payment: **0.00**
Total Payments: \$485.00

Application Description

Application ID: **408056**
Application Type: **New Site Evaluation**
Single Family Dwelling
System Type: **Unknown**
Pump Evaluation: **No**
Flow: **450** gallons/day

Receipt Amount: \$485.00

Received By:

Vicky Schiele

Date of Entry:

1/15/2009

T6N R10W SEC 4AA WM
CLATSOP COUNTY

Scale 1:1200



Cancelled
Accounts:

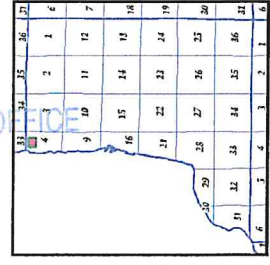
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- 2200
- 2300
- 2400
- 2500
- 2600
- 2700
- 2800
- 2900
- 3000
- 3100
- 3200
- 3300
- 3400
- 3500

*DAD & CAROLYN MILLER
6N-10W-4AA-1000
KETH KERANEN EXC.
38452*

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 15 2009

NORTH COAST BRANCH OF
WARRENTON



September 08, 2008

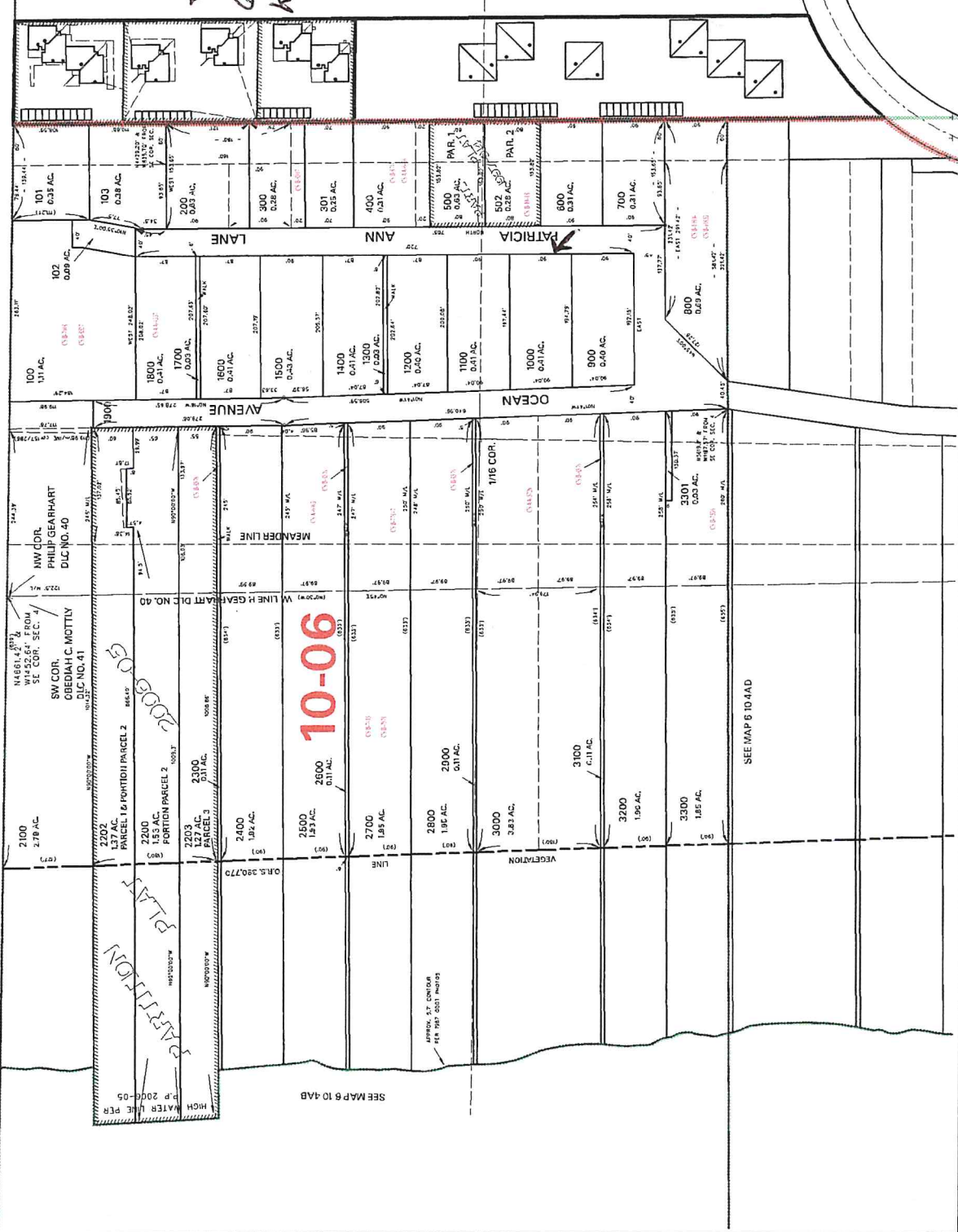
6.10.4AA



Planning Department
Permit Services Section
1000 NE Oregon Street
Warrenton, OR 97146
Phone: 503-863-2200
Fax: 503-863-2201
www.clatsopcounty.org

SEE MAP 7 TO 33DC

SEE MAP 6 TO 4AD



*PLAT
PARTITION*

SEE MAP 6 TO 4AD



Oregon

Theodore R. Kulongoski., Governor

Department of Environmental Quality

North Coast Branch Office
65 N Highway 101, Suite G
Warrenton, OR 97146
(503) 861-3280
FAX (503) 861-3259

October 3, 2008

Stephen Thompson
P.O. Box 999
Sisters, OR 97759

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

RE: **Site Evaluation Results – Site Approval With Conditions**
Township/Range/Section: T6N, R10W, S4AA; Tax Lot No. 1000, Clatsop County
Onsite No.: 406804

Dear Stephen Thompson:

The above-described property was evaluated for suitability of onsite sewage disposal on the following date(s):
October 2, 2008. Based on this evaluation, the following onsite wastewater treatment systems are approved:

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

NOTE: A site development plan accompanied by physical staking of both the initial and replacement disposal areas located within the area approved for onsite sewage disposal will be required for review and approval prior to issuance of a construction/installation permit. Details of the site evaluation 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. 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 60 days of the site evaluation report issue date at a cost of \$460. 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 \$1360. 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



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

Site Location: T6N, R10W, S4AA; Tax Lot No. 1000, Clatsop County

Applicant: Stephen Thompson

Application No.: 407657 Onsite No.: 406804

Date(s) of Site Evaluation: October 2, 2008

DEQ Onsite Specialist: Connie M. Schrandt

Date of Report: October 3, 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 functioning of 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 and the replacement disposal areas. 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 October 2, 2008. In the site inspection, 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:

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

Replacement System: Same as for Initial System.

IMPORTANT: A site development plan accompanied by physical staking of the initial and replacement sand filter systems in the area approved for onsite sewage disposal will be required for review and approval prior to issuance of a construction/installation permit. The plan and stakeout must demonstrate that there is adequate area to accommodate both initial and replacement disposal areas associated with the approved systems 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.

The initial and replacement sand filters must be separated either by 10 feet of undisturbed ground or by a concrete wall installed as a common side of each sand filter. An engineered concrete wall is recommended.

Attached are the Field Worksheet and Plot Plan, which show the approved area and other details of the site evaluation.

Site Limitations

Most sites have some 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 at this site.

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 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.

Conditions observed: The subject property is less than one acre in size.

Setbacks from property lines, building foundations, water lines and underground utilities

Rule requirement: Table 1, OAR 340-071

Description: The required property line setback allows construction of the system without trespass or damage to neighboring properties. The setbacks to foundations and man-made cuts in excess of 30 inches (from top of down-slope cut) prevent too much liquid from causing the soil under the building to settle and potentially damage the building. The water line setback is required because sewage will travel as far as 10 feet, and does contain some disease-causing



bacteria and viruses. If there were to be a leak in the water line, the drinking water supply could be contaminated. The setback from other underground utilities is required for sanitary reasons during utility line maintenance, and because the effluent will tend to flow along the utility trench rather than stay in the natural soil where it can be treated.

Site Conditions Observed: The area available for onsite sewage disposal is not sufficient to accommodate other alternative low-pressure distribution systems and maintain required setbacks. Less area is required for bottomless sand filter systems.

Additional Conditions of Site Approval

1. This site is approved for the type of disposal system described above. Peak sewage flow into the 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 (4) 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 this approval.
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 the property described above will not be further partitioned or subdivided.

This site approval is valid until the system approved above 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 Plan

SEWER EVALUATION FIELD WORKSHEET

Township: 6N Range: 10W Section: 4AA Tax Reference: 1000 Parcel Size: 0.41 acre
 Owner/Applicant: T. Thompson Evaluator: CMS
 Inspection Date(s): 10-2-08 Application Number: 407657

	DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC...
Pit 1	0-8	ls/duff	2.5Y5/3; loose, sq; many vf, f, m & c roots
	8-63	s	2.5Y5-4/3; " " ; common F.M.C roots to 40", few to 63"
Pit 2	0-4	} similar to Pit 1	
	4-61		
Pit 3			
Pit 4			

Landscape Notes: Stabilized dune - hilly, cleared shore pines & beach grasses
 Slope: ~0-5% Aspect: variable-S/W Groundwater Type: No evidence
 Other Site Notes: _____

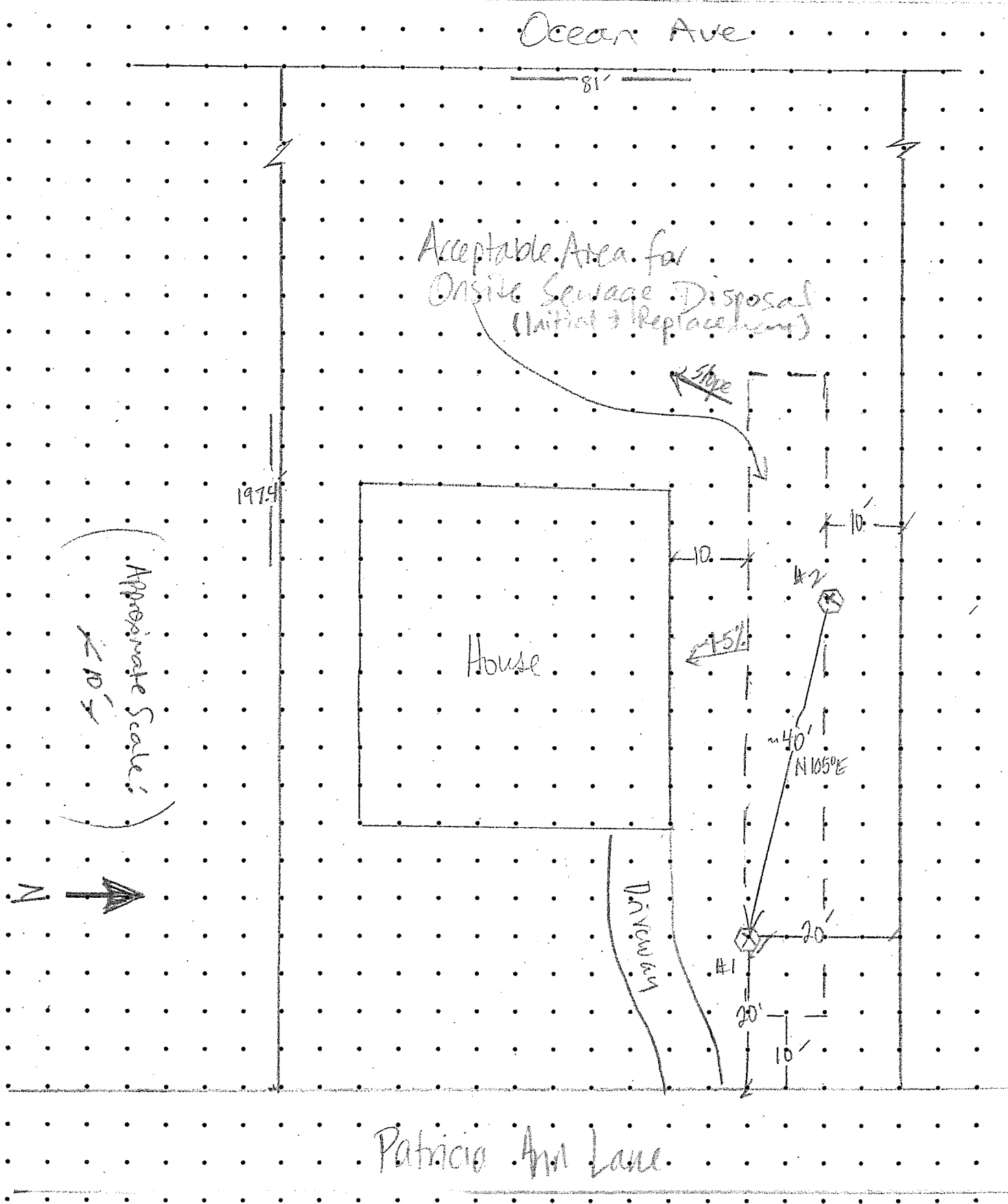
SYSTEM SPECIFICATIONS

Design Flow: 450 gpd
 Initial System: Alt. Bottomless Sand Filter ATT Treatment Standard: —
 Disposal Facility: 360 linear feet/square feet Maximum Depth: 3/2 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: Maintain all setback distances - initial & replacement sand filter areas must be separated by 10' undisturbed ground or by concrete wall installed as common wall with initial system
Physical staking of initial & replacement sand filter areas required for review and approval prior to permit issuance.

Township: 6N Range: 10W Section: 4AA Tax Reference: 1000 Parcel Size: 0.41 acre

Owner/Applicant: Thompson Evaluator: AMS

Inspection Date(s): 10-2-08 Application Number: 407657





Application for On-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

Date Stamp:
DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
SEP 17 2008
NORTH COAST BRANCH OFFICE
WARRENTON

For DEQ Use Only:
Date Received 9/17/08
Fee Paid 485⁰⁰
Receipt Number 136118
Application Number 4071657
Date of 1st Response 10-2-08
Date of 2nd Response _____
Date of Final Response _____
Date of Completion 10-3-08
Scanned _____ Data Entry _____

A. Property Owner Information

Name Stephen Thompson Mailing Address (Street or PO Box, City, State, Zip Code) P.O. Box 999 Sisters OR 97759 Phone Number 541 480 0111

B. Legal Property Description

Township 6N Range 10W Section 4AA Tax Lot 1000 Tax Account Number 8385 Acreage or Lot Size 0.41 acre
County Clatsop Subdivision Name The Palisades Lot 1000 Block _____
Property Address: Lot 1000 Patricia Ann Ln Gearhart OR 97138
Directions to Property: Highway 101 to Golf Course Rd (Right.) Right into Palisades Rt on Ocean Ave Rt onto Patricia Ann Ln

C. Existing Facility / Proposed Facility / Water Information

Existing Facility: Single Family Residence
Proposed Facility: Single Family Residence
Water Supply: Public City of Gearhart
Number of Bedrooms: Other _____
Number of Bedrooms: 4
 Other _____
 Private Well, Spring, Shared

D. Type of Application

Site Evaluation
 Construction Permit
 Repair Permit
 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 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.

Signature [Signature] Date 9-9-08
Applicant's Name - Please Print Legibly Stephen E. Thompson Applicant's Phone Number 541 480 0111 Applicant's E-mail Address reesurvey@aol.com
Applicant's Mailing Address PO Box 999 Sisters, OR 97759

Applicant is the Owner Authorized Representative Licensed Septic Installer
 Authorization Attached

Installer's Name _____

Rev 8-14-03 bjk

Notice: Lots 1000 and 1100 reversed in DEQ records. Enclosed Property taxes clarify correction.



State of Oregon
Department of
Environmental
Quality

Department of Environmental Quality
Warrenton Office
65 N. Highway 101, Ste. G, Warrenton, OR 97146
(503) 861-3280/(503) 861-3259(Fax)

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SEP 17 2008

NORTH COAST BRANCH OFFICE
WARRENTON

NOTICE AUTHORIZING REPRESENTATIVE

I, Stephen E. Thompson, have authorized
(Property Owner/Print Name)
Deanna Evans 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:

Tax Lot 1000 Patricia Ann Lu,
Property Situs or Road Address

And described in the records of Clatsop County as:
Township 6 Range 10 Section 4th Map ID 478385 Tax Lot #(s) 1000
Township _____ Range _____ Section _____ Map ID _____ Tax Lot #(s) _____

PROPERTY OWNER:

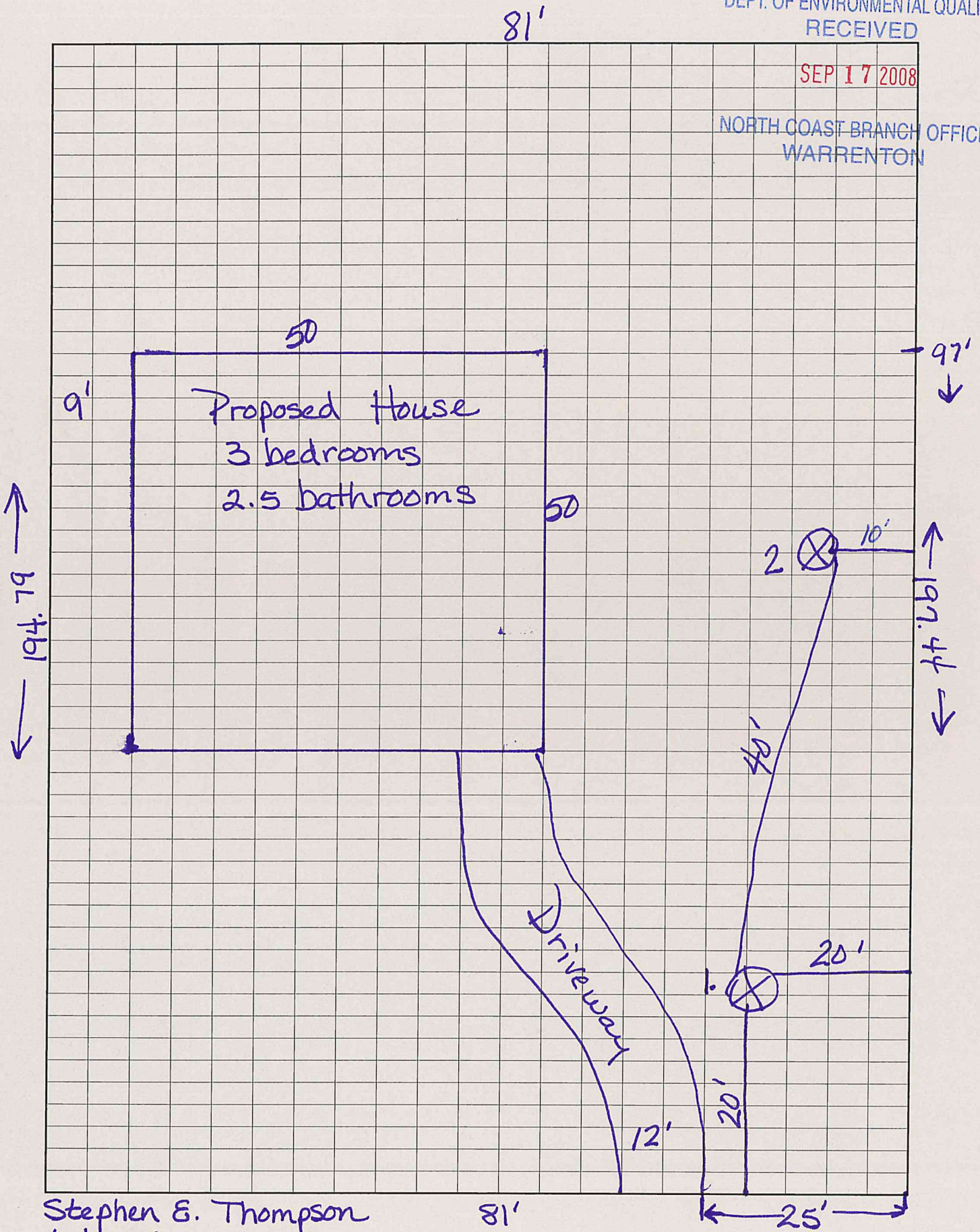
Printed Name: Stephen E. Thompson
Signature: [Signature] Date: 9-4-08
Address: PO Box 999 Phone: _____
City, State, Zip: Sisters, OR 97259 Fax: _____
E-mail Address: reetsurveyor@aol.com

AUTHORIZED REPRESENTATIVE:

Printed Name: Deanna Evans
Signature: [Signature] Date: 9-8-08
Address: 606 Village Terrace Phone: 503 440-2842
City, State, Zip: Seaside, OR 97138 Fax: 503 738-8247
E-mail Address: deanna@theoregonshore.com

SEP 17 2008

NORTH COAST BRANCH OFFICE
WARRENTON



81'

9'

Proposed House
3 bedrooms
2.5 bathrooms

50

50

97'

2

10'

197.44'

40'

20'

Driveway

12'

20'

25'

81'

Stephen E. Thompson
6N-10W-4AA-1000

⊗ TEST HOLES



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

Receipt Number: 136118

SEP 17 2008

NORTH COAST BRANCH OFFICE
WARRENTON
Date Received 9/17/2008

Received From **Stephen Thompson Jr**
(Check Name): **PO Box 999**
Sisters, OR 97759

For **T06N R10W S04 AA**
Property **TaxLot 1000**
At: **Clatsop County**
Patricia Ann Lane
Gearhart, OR 97138
The Palisades

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order #	Bank Number	Amount Applied
485.00	Check	1327	25-80	485.00

Total Amount Applied: \$485.00

Onsite Fees

Base Fee: **425.00**
Surcharge Fee: **60.00**
Plan Review Flow Fee:
Pump Evaluation Fee:
Flow Fee:
Reinspection Fee:

Total Fee: \$485.00

Application Description

Application ID: **407657**
Application Type: **New Site Evaluation**

Single Family Dwelling

System Type: **Unknown**
Pump Evaluation: **No**
Flow: **450** gallons/day

Payments

Previous Payments: **0.00**
Current Payment: **485.00**
Over Payment: **0.00**

Total Payments: \$485.00

Receipt Amount: \$485.00

Received By:

Date of Entry:

Vicky Schiele

9/17/2008

T6N R10W SEC 4AA WM
CLATSOP COUNTY

Scale 1:1200



Cancelled
Accounts

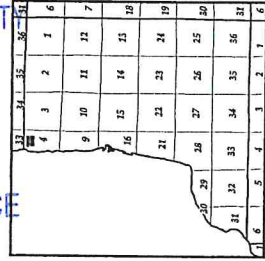
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- 2018
- 2019
- 2020

STEPHEN THOMPSON
6N-10W-4AA-1000

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

SEP 17 2008

NORTH COAST BRANCH OFFICE
WARRENTON



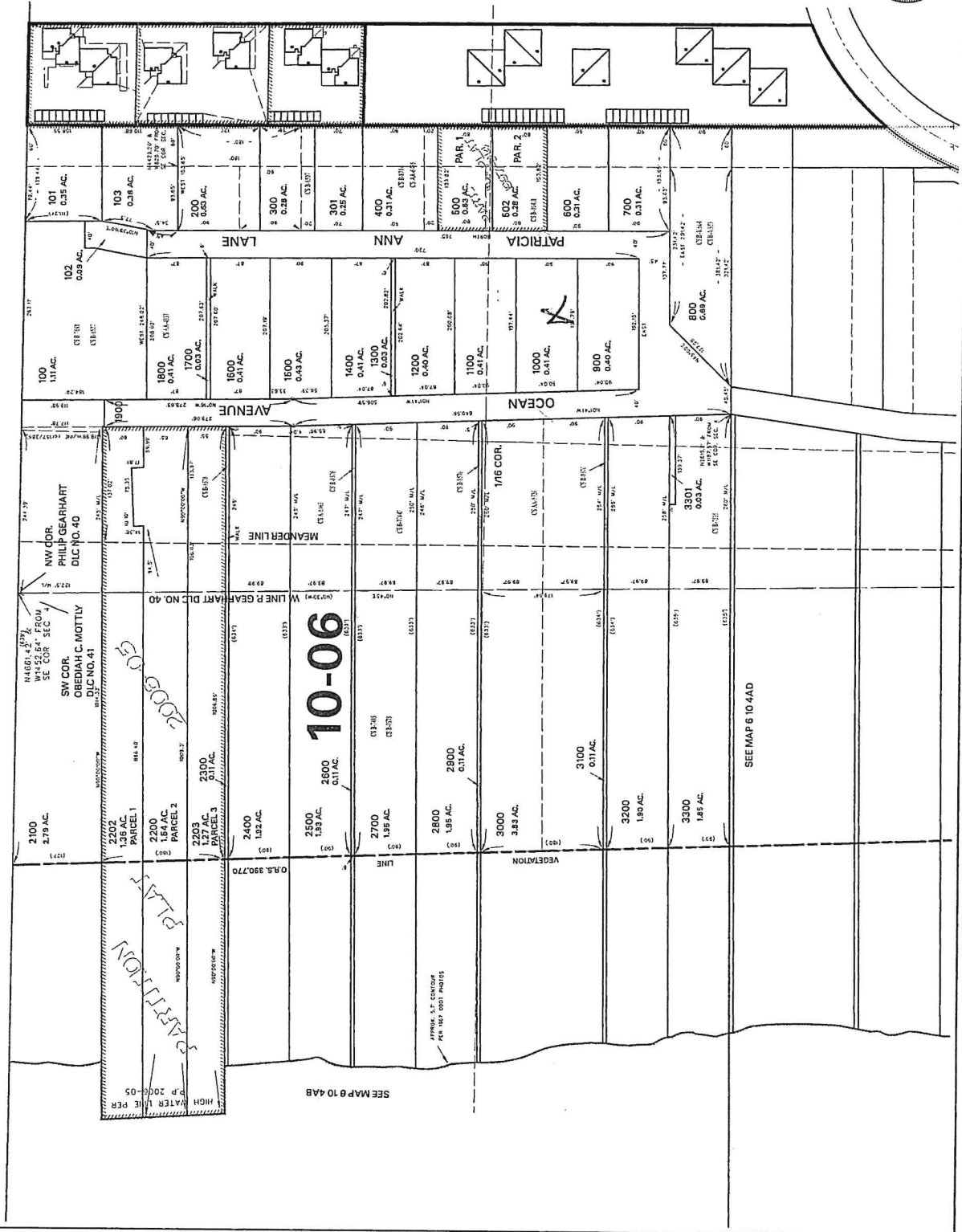
June 17, 2008

6.10.4AA



This map was prepared for electronic
display only using Clatsop County data.
It is not intended for use in any other
application. Environmental quality
statements are not intended to be
used for any other purpose, and are
not intended to be used for
administrative purposes.

SEE MAP 7 10 33DC



SEE MAP 6 10 4AD

SEE MAP 6 10 4AB