

Property History

Account ID:59287

Legal Description:

<u>Legal Type</u>	<u>Twنشp</u>	<u>Range</u>	<u>Sec</u>	<u>QSec</u>	<u>QQSec</u>	<u>TaxLot</u>	<u>TaxMapKey</u>
Metes and Bounds	6	10	3	B	D	03308	61003BD03308

Additional Information:

'14 formerly part of TL 3301 mpdaf: A por of Tract B, Plat of Heritage Dunes as rec in Town Plat Book 15, Pgs 208 & 209, Inst# 200809669, CC,O, Clerk's Recs, mpdaf: Beg at the Sw cor of Tract B, Plat of Heritage Dunes, according to the plat therof; being the SW cor of the par herein desc; thence along the W li of sd Tract B N 01° 37' 53" E, a dist of 63.00' to a 5/8" rebar & plastic cap marked, "OTAK INC" being the NW cor of the par herein desc; thence S 88° 22' 30" E, a dist of 165.00'; to a 5/8" rebar & plastic cap marked, "OTAK INC" being the NE cor of the par herein desc; thence S 01° 37' 53" W a dist of 63.00' to a 5/8" rebar & plastic cap marked, "OTAK INC" on the S li of sd Tract B being the SE cor of the par herein desc; thence along the S li of sd Tract B, N 88° 22' 30" W, a dist of 165.00' to the POB (WFTLPO)

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>
8083	61003BD05000	8055	61003BD03300	2009
8055	61003BD03300	57561	61003BD03301	2009
57561	61003BD03301	8055	61003BD03300	2014
8055	61003BD03300	57561	61003BD03301	2009
57561	61003BD03301	59287	61003BD03308	2014

Owner(s):

Current Ownership:

<u>Owner Name</u>	<u>Ownrshp %</u>	<u>Type</u>
Schulte Joseph		Owner
Schulte Stephanie		Owner

Ownership History:

<u>Create Dte</u>	<u>Effective Dte</u>	<u>Instrmnt ID</u>		
12/19/2013	10/08/2013	201308545	Schulte Stephanie	Owner
12/19/2013	10/08/2013		Schulte Stephanie	Owner
12/19/2013	10/08/2013		Schulte Joseph	Owner

Voucher History:

Voucher 1	Source: Clerk	Effective Date: 10/02/2014	Map Key:
Document Type Code: Road Maint. Ag	Date Created: 12/02/2014	Completed Date: 12/02/2014	Instrument Id: 201406293
Operation: Posting Only	Operation Type: Information	Voucher Type: Assessment	Book:
Completeness Status: Completed	Partition Flag: No	Consideration:	Page:
User Id: JHARTILL	Remarks: Private Rd Maint. Agreement. Includes TL's 3300, 3302, 3303,3304,3305,3306,3307 & 3308.		Status: Active

Certificate of Satisfactory Completion

Installation of this onsite wastewater treatment system has been determined to comply with the applicable requirements in Oregon Administrative Rules Chapter 340, Divisions 071 and 073 and the conditions of Permit OS412384 as follows:

PROPERTY INFORMATION

Property Owner: **Romine Construction LLC; Ray Romine** Township 06N, Range 10W, Section 03 BD
(1611)
Property Location: **Dune Lane, Gearhart** Tax Lot 3301 (Lot A)
Facility Type: **Single Family Dwelling** Clatsop County
3 Bedrooms

SPECIFICATIONS AND REQUIREMENTS

System type: Sand Filter: Bottomless - Residential

Design Flow: **450 gals/day**
Minimum Septic Tank Size: **1000 gals**
Minimum Dosing Tank Size: **500 gals**
Distribution Type: **Pressurized**
Sand Filter: **360 SqFt**
Maximum Trench Depth: **36 inches**
Minimum Trench Depth: **6 inches**

ADDITIONAL CONDITIONS

- 1 Owner is responsible for the operation and maintenance of the Sand Filter system.
- 2 72 inch squirt
- 3 In accordance with Oregon Revised Statute 454.665, this Certificate of Satisfactory Completion is issued as evidence of satisfactory completion of an onsite wastewater treatment system at the location identified above.
- 4 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.
- 5 The area of the initial and the identified replacement area must not be subjected to activity that is likely to adversely affect the soil or the functioning of the system. Such activities may include, but are not limited to, vehicular traffic, livestock, covering the area with asphalt or concrete, filling, cutting, or other soil modification activities.
- 6 This onsite wastewater treatment system must be connected to the facility referenced herein within 5 years of the issuance of this Certificate of Satisfactory Completion (CSC) or rules for authorization notices, alteration permits, or construction-installation permits as outlined in OAR 340-071-0160, 340-071-0205, or 340-071-0210 apply, including payment of an additional fee.

- 7 This system must operate in compliance with OAR Chapter 340, Division 071 and must not create a public health hazard or pollute public waters.
- 8 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 - Correction Notice Issued by Bernie Duffy on 9/13/2013

Pre-Cover Inspection by Bernie Duffy on 9/24/2013

Installer Name: Hartman Construction Co.

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

<i>Bernie Duffy</i>	Onsite Wastewater Specialist	9/25/2013
Authorized Agent:	Title	Date CSC Issued
Bernie Duffy		

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



DEQ

State of Oregon
Department of
Environmental
Quality

Onsite Sewage System Installation Notice of Inspection

Department of Environmental Quality
700 SE Emigrant, Suite 330
Pendleton, OR 97801

Phone/TTY: (541) 276-4063
Fax: (541) 278-0168

14' x 26' =
364 sq. - OK

An inspection of this onsite sewage disposal system has identified the following:

14' x 26 ft = 364 sq. Ft. OK

10' Setback to garage - OK.

12 Orifices * 6 laterals = 72 orifices - OK.

Sand Filter - be sure there is 3" of rock below
all laterals. Add rock to cover orifice shields,
install fabric, and 6 to 12 inches of sand
crown.

Pump and alarm OK - 72 "sq. ft.
Submit new Final Insp. Request.

* Submit revised hydraulic calculations
and manifold/lateral design with
Orifice spacing. (Rec'd 9/25/13)

Property owner's name: Ray Romine

Permit number: 05412384

Township: 6N Range: 10W Section: 3B0 Tax lot: 330

Inspection date: 9/24/13 Inspection time: 1:00 PM

Inspector's signature: Bernie Duffy

Final Inspection Request and Notice - Onsite ID: 412384

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: Romine Construction LLC; Ray Romine
 Property Address: Dune Lane, Gearhart

Township 06N, Range 10W, Section 03 BD
 Clatsop County TaxLot#: Tax Lot 3301

72" Squirt

SECTION 2: System Component Specifications:

System Type: Sand Filter: Bottomless - Residential				Water tight verification*
A. Tanks/Pumps				
Tanks(1)	Volume: 1500 gal	Compartments: 2	Manufacturer: A-1 Ready Mix	Date: 8-13-13
Tanks(2)	Volume:	Compartments:	Manufacturer:	Date:
Pump(s)	HP: 1/3	Model/Manuf. Franklin 30 gpm	Float(s)Type(1):	Model/Manuf. Orenco
			Float(s)Type(2):	Model/Manuf.

B. Piping					
Effluent Sewer (tank to drainfield)	Yes	No	Diameter:	ASTM#/Other:	Length:
Pressure Transport Pipe	Yes <input checked="" type="checkbox"/>	No	Diameter: 1 1/4"	ASTM#/Other: sch 40	Length: 28'

C. Secondary Treatment Unit:					
Sand Filter**	Yes <input checked="" type="checkbox"/>	No	Type: Bottomless	Container Dimensions: 14x26	
Underdrain pipe	Diameter:		ASTM#/Other:		Length:
Manifold piping	Diameter: 3/4"		ASTM#/Other: sch 40		Length: 24'
Internal Pump	HP:		Model/Manufacturer		
Floats(1)	Type:		Model/Manufacturer		
Floats(2)	Type:		Model/Manufacturer		
ATT	Yes	No	Model:		
Certified Maint.	Provider Name:				
Operation and Maint.	Contract Received?	Yes	No		

D. Drainfield Media					
Type	(Gravel, Pipe or alternative?) D.E.Q. sand, 1 1/2" Drain rock, pee-gravel				
Distribution Box	Yes	No <input checked="" type="checkbox"/>			
Drop Box	Yes	No <input checked="" type="checkbox"/>			
Distribution Pipe	Yes	No <input checked="" type="checkbox"/>	Diameter:	ASTM#/Other:	Length:
Comment					

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

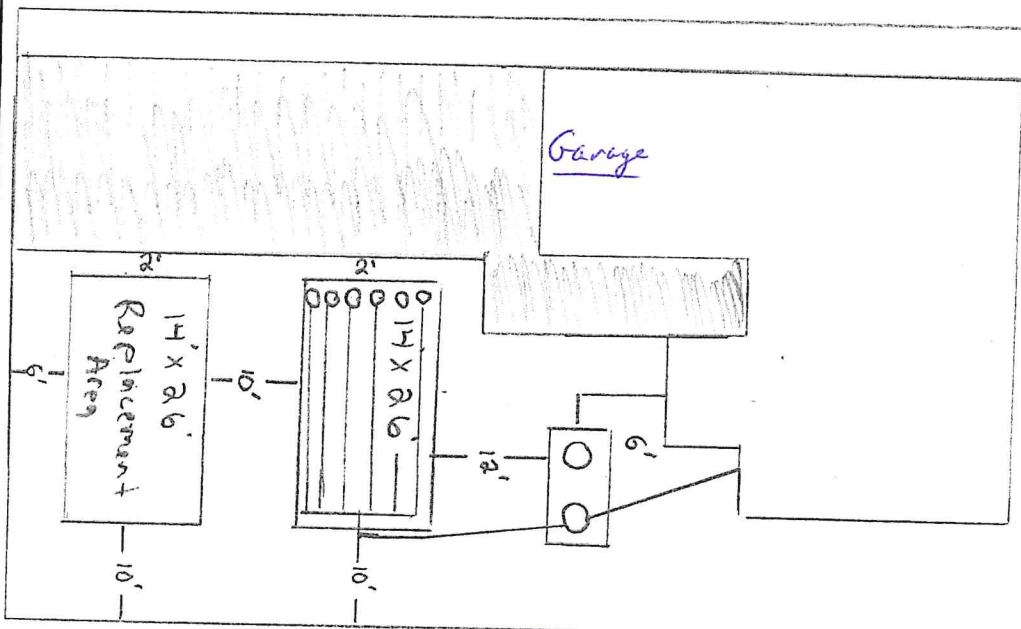
SEP 24 2013

*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.

Scale: 1" = 20'
N



Reconstruction of Sand Filter
Revised Location

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#: Dean Hartman Print Name: Dean Hartman

Licensed Installer: Yes No License#: 38331 Certification#: R1321

Owner/ Certified Installer: Signature: Dean Hartman Date: 9-24-13 Phone#: 503 440 2092

SECTION 5 - Office Use Only:

Notice Accepted Yes No Date: 9/25/13

Installer/Owner (Permittee) Notified: Yes No Date: 9/24/13

If No, Reason for Non Acceptance:

Comment: Squirt test OK - 9/24/13 - BJBuff
72" +/-

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED

SEP 24 2013

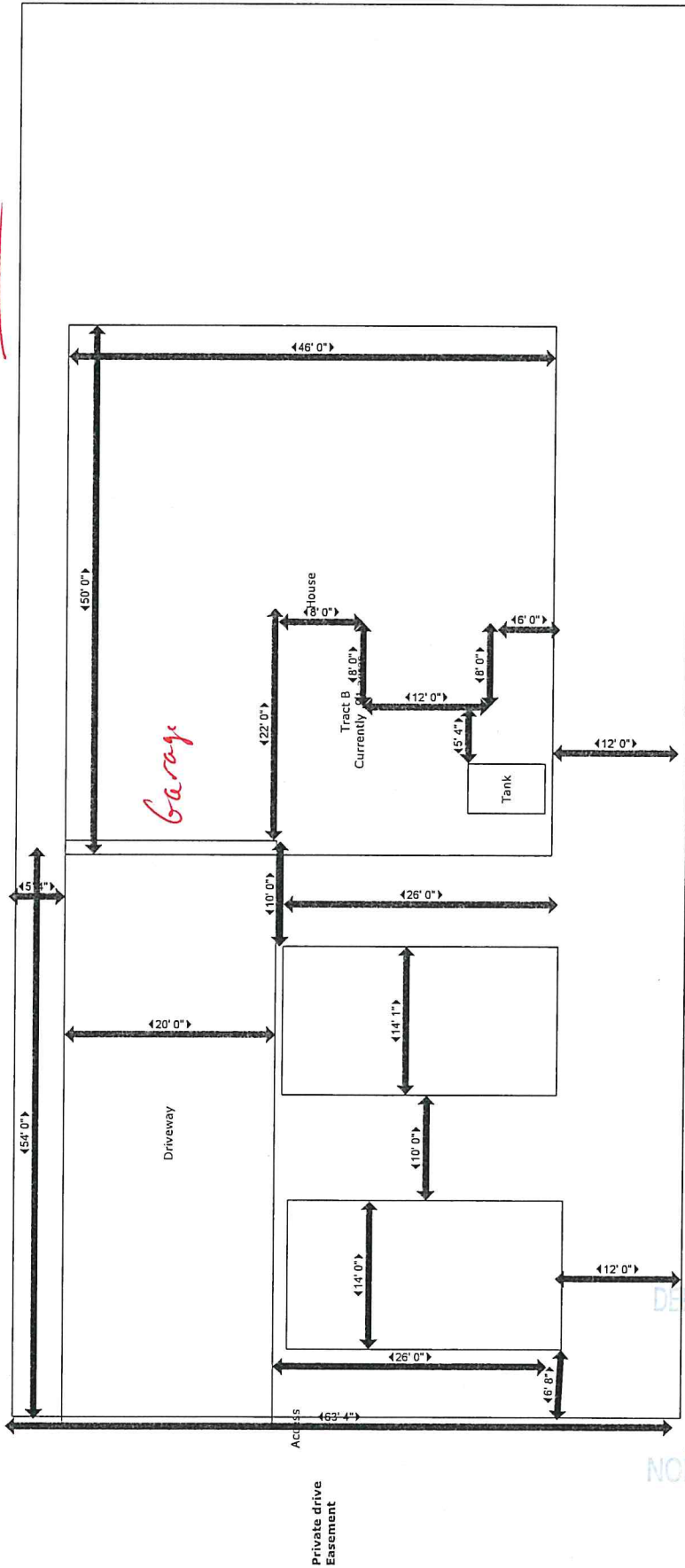
NORTH COAST BRANCH OFFICE
HARRINGTON

Revised Site Plan

APPROVED

9/25/13

OS 412384



Revised Layout
(Constructed in this location)
B5Duff

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
SEP 23 2013
NORTH COAST BRANCH OFFICE
WAHLETON

Pump Selection for a Pressurized System - Single Family Residence Project
 Dean Hartman / Gearhart Sept 2013

Parameters

Discharge Assembly Size	1.25	inches
Transport Length	25	feet
Transport Pipe Class	40	
Transport Line Size	1.25	inches
Distributing Valve Model	None	
Max Elevation Lift	5	feet
Manifold Length	12.5	feet
Manifold Pipe Class	40	
Manifold Pipe Size	1.25	inches
Number of Laterals per Cell	6	
Lateral Length	24	feet
Lateral Pipe Class	40	
Lateral Pipe Size	0.75	inches
Orifice Size	1/8	inches
Orifice Spacing	2	feet
Residual Head	5	feet
Flow Meter	None	inches
Add-on Friction Losses	0	feet

Calculations

Minimum Flow Rate per Orifice	0.43	gpm
Number of Orifices per Zone	78	
Total Flow Rate per Zone	34.2	gpm
Number of Laterals per Zone	6	
% Flow Differential 1st/Last Orifice	4.9	%
Transport Velocity	7.4	fps

Frictional Head Losses

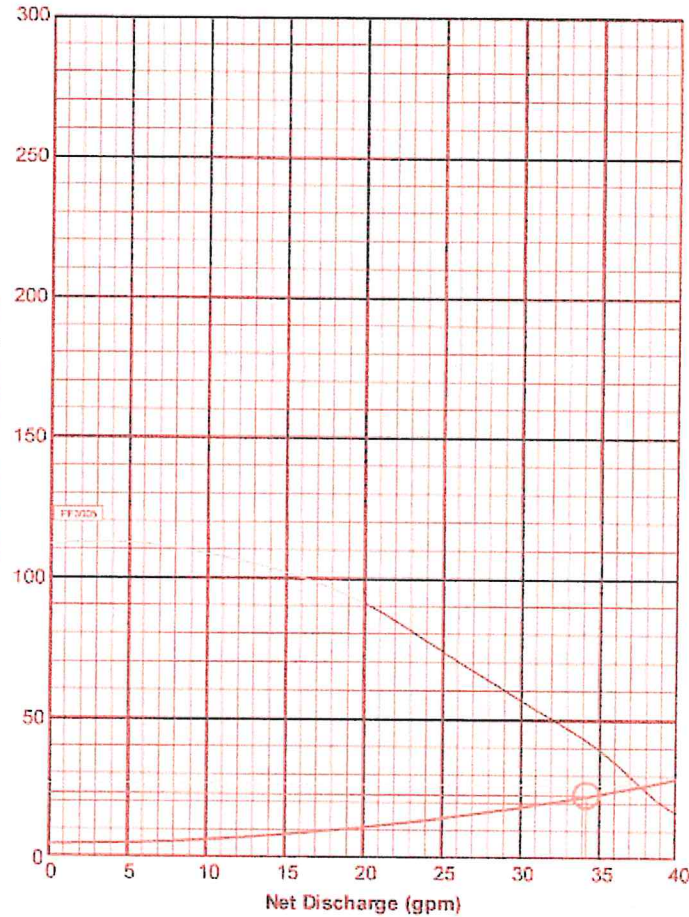
Loss through Discharge	8.2	feet
Loss in Transport	3.5	feet
Loss through Valve	0.0	feet
Loss in Manifold	0.5	feet
Loss in Laterals	0.6	feet
Loss through Flowmeter	0.0	feet
Add-on Friction Losses	0.0	feet

Pipe Volumes

Vol of Transport Line	1.9	gals
Vol of Manifold	0.9	gals
Vol of Laterals per Zone	3.9	gals
Total Volume	6.9	gals

Minimum Pump Requirements

Design Flow Rate	34.2	gpm
Total Dynamic Head	22.9	feet



PumpData

PF3005 High Head Effluent Pump
 30 GPM, 1/2HP
 11 5/230V 12 60Hz, 200V 50/60Hz

Legend

System Curve	—
Pump Curve	—
Pump Optimal Range	—
Operating Point	○
Design Point	○

OS 412384
Revised Plans
APPROVED
9/25/13



DEPT. OF ENVIRONMENTAL QUALITY
 RECEIVED

SEP 24 2013

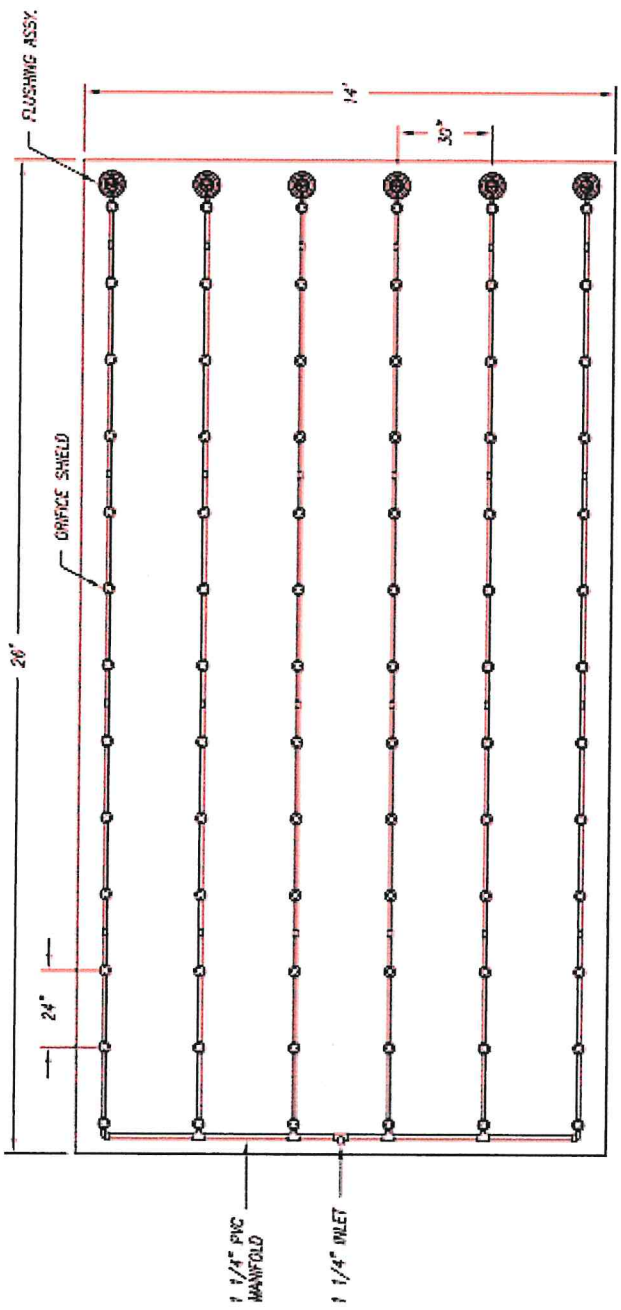
NORTH COAST BRANCH OFFICE
 WARRENTON

Revised Plans
APPROVED
9/25/13

OS 4/2384
OK-BSD/wh

72" Squirt

14x 26' SAND FILTER MANIFOLD-BOTTOMLESS DISCHARGE



MASTER NO.	
DRAWN BY: CC	
DATE: 9/23/13	
APPROVED BY:	
REVISION: 0	



Orencia Systems Custom Manifold (Top View)

Orencia Systems
Incorporated

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
SEP 24 2013
NORTH COAST BRANCH OFFICE
WARRINGTON

Construction-Installation Permit

This Construction-Installation Permit OS412384 authorizes the property owner to construct an onsite wastewater system as follows:

PROPERTY INFORMATION

Property Owner: Romine Construction LLC; Ray Romine Clatsop County
Property Location Dune Lane, Gearhart Township 06N, Range 10W, Section 03 BD
Facility Type: Single Family Dwelling Tax Lot 3301
1611 3 Bedrooms

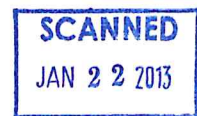
SPECIFICATIONS AND REQUIREMENTS

System Type: Sand Filter: Bottomless - Residential

Design Flow: 450 gals/day
Minimum Septic Tank Size: 1000 gals
Minimum Dosing Tank Size: 500 gals
Distribution Type: Pressurized
Sand Filter: 360 SqFt
Maximum Trench Depth: 36 inches
Minimum Trench Depth: 6 inches

ADDITIONAL CONDITIONS

- 1 As Built drawing shall include location of pressure line.
- 2 Maintain 10 ft setback to water line from all septic components.
- 3 36 inch deep installation ok per Chuck Costanzo
- 4 All roof drains must be directed away from the system.
- 5 An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division or the municipality with jurisdiction is required for all pump wiring installation.
- 6 Meet all required setbacks.
- 7 The alarm and pump must be on separate circuits in the control panel.
- 8 Vehicular traffic and livestock must be restricted from the system area.
- 9 All work is to conform to Oregon Administrative Rules, Chapter 340, Divisions 071 and 073. Make no changes in system location or specifications without written approval from the permit issuing agent.

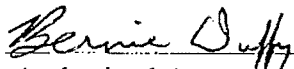


Pallillo

INSPECTION REQUIREMENTS

- 1 A final inspection is required after landscaping or other erosion control measures are established.
- 2 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.
- 3 A squirt test inspection of the pressurized piping system is required.

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

	Onsite Wastewater Specialist	1/17/2013	1/17/2014
Authorized Agent:	Title	Date Issued	Expiration Date

Bernie Duffy

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.

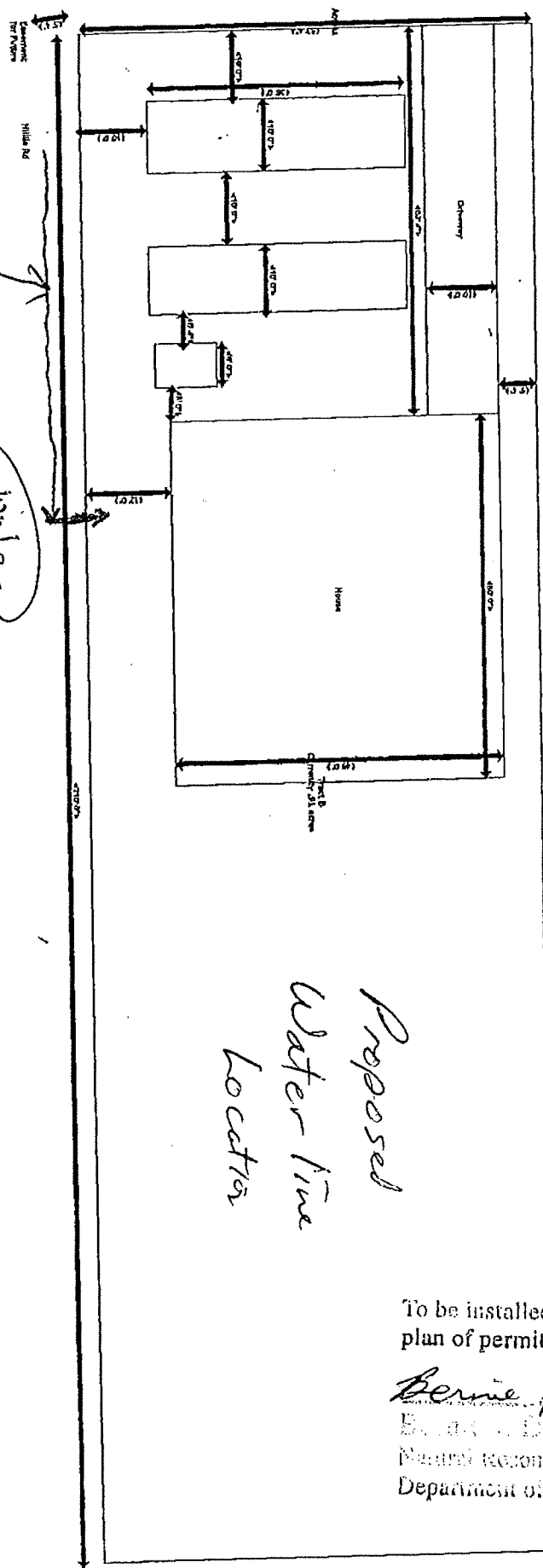
APPROVED FOR PERMIT

JAN 14 2013

PLANNING & ZONING DEPARTMENT

10 FT setback required to
all septic components

H₂O line
Water



Proposed
Water line
Location

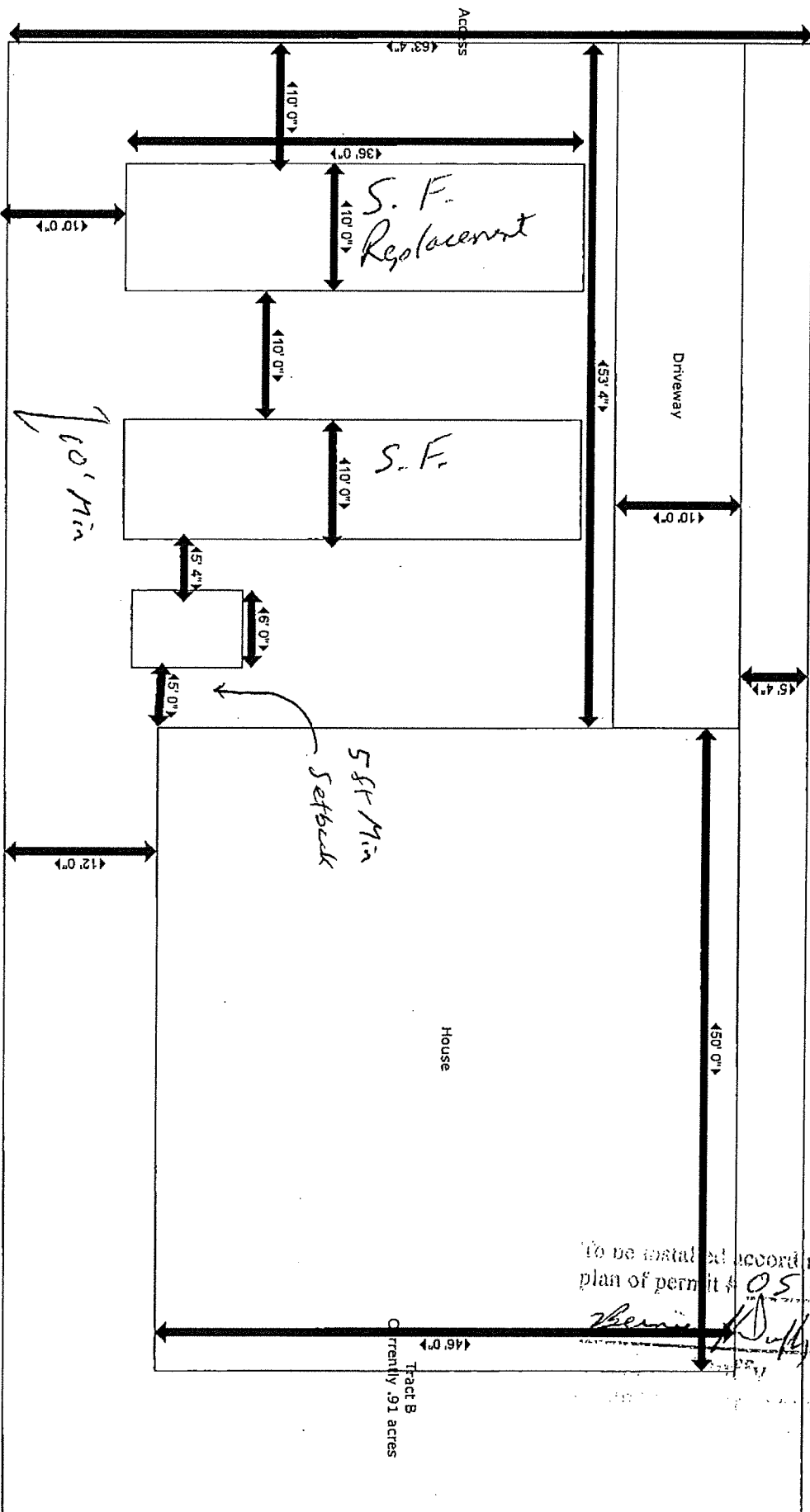
Ray Rommie
6 N. 10 W, Sec 3 BD, TL 350

To be installed according to approved
plan of permit # 05 412 384

Bernie Hoff, 1/17/13

Environmental Specialist
Department of Environmental Quality

Easement for Future Hillilla Rd
 15' 4" 310' 0"



Ray Romie

To be installed according to approved
 plan of permit # 05 412384
 Date 11/17/13

RECEIVED
 JAN 03 2013

State of Oregon
 Dept. of Environmental Quality
 Eastern Region - Pendleton

SE Notes

Ray Romine Site

TL 3301

Ray Romine, Romine Construction LLC

DEPARTMENT OF ENVIRONMENTAL QUALITY

From: "DUFFY Bernie" <DUFFY.Bernie@deq.state.or.us>
To: "Ray Romine, Romine Construction LLC" <romine4@charter.net>
Cc: "SCHIELE Vicky" <SCHIELE.Vicky@deq.state.or.us>
Sent: Wednesday, January 09, 2013 4:12 PM
Subject: RE: Sand filter depth requirements.

JAN 14 2013

DEPARTMENT OF ENVIRONMENTAL QUALITY

Ray,

I just got off the phone with Chuck Costanzo. He reviewed his soil and field notes. He agreed that 36 inch max. depth / 6 inch minimum depth will be acceptable for your Bottomless sand filter.

Please design your sand filter to indicate your sand filter construction to meet these requirements. Forward this information to Dean Hartman.

Vicky, please put a copy of this email in the file.

Thanks,

Bernie Duffy, DEQ

From: DUFFY Bernie
Sent: Wednesday, January 09, 2013 12:10 PM
To: 'Ray Romine, Romine Construction LLC'
Cc: SCHIELE Vicky
Subject: FW: Gearhart Hillila & Dune Ln construction permit follow-up

Ray,

Also please show the location of the proposed water line. Minimum 10 ft setback to any portion of the septic system.

Thanks,

Bernie Duffy, DEQ

To be installed according to approved
plan of permit # 05-412-384
Bernie Duffy 1/17/13
Bernie J. Duffy Date
Natural Resource Specialist
Department of Environmental Quality

Hartman Construction Material list

Pipe & Fittings

- 4" 3034 pvc pipe
- 4" 3034 fittings

JAN 14 2013

Tank

- Willamette Graystone 2 compartment 1500 gal dosing / septic concrete
- Willamette Graystone 500 gal dosing concrete
- Willamette Graystone 1000 septic concrete
- A-1 Ready mix 1500 gal 2 compartment concrete

Risers

- Orenco 24"
- Norwesco
- Michaels

Pump Package

- Franklin PF 300511 30 gpm ½ hp
- Orenco Floats & Alarms
- Orenco Effluent Screen
- Orenco Control Panel

Manifold Kit

- ¾" pvc sch 40
- 1 ¼" pvc sch 40
- Orenco orifice shields ¾"
- ¾" long sweep 90
- 6" valve box
- ¾" ball valve

Drain Media

- Naselle Sand & Gravel DEQ Sand
- Teevin 1 ½" Drain Rock
- Mohler Pee - Gravel

Fabric

- Typar

Drain Field

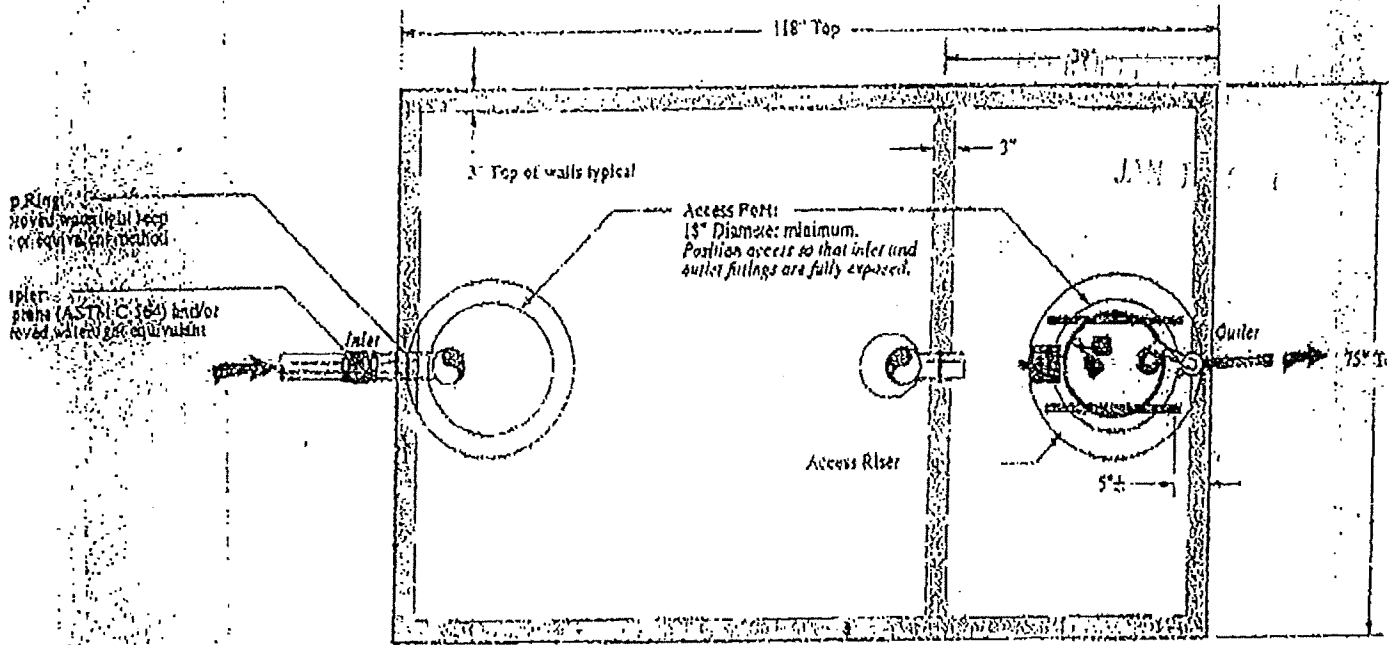
- Arch 18 Chambers
- Willamette Graystone Drop Box
- Willamette Graystone Serial D - Box

Revised

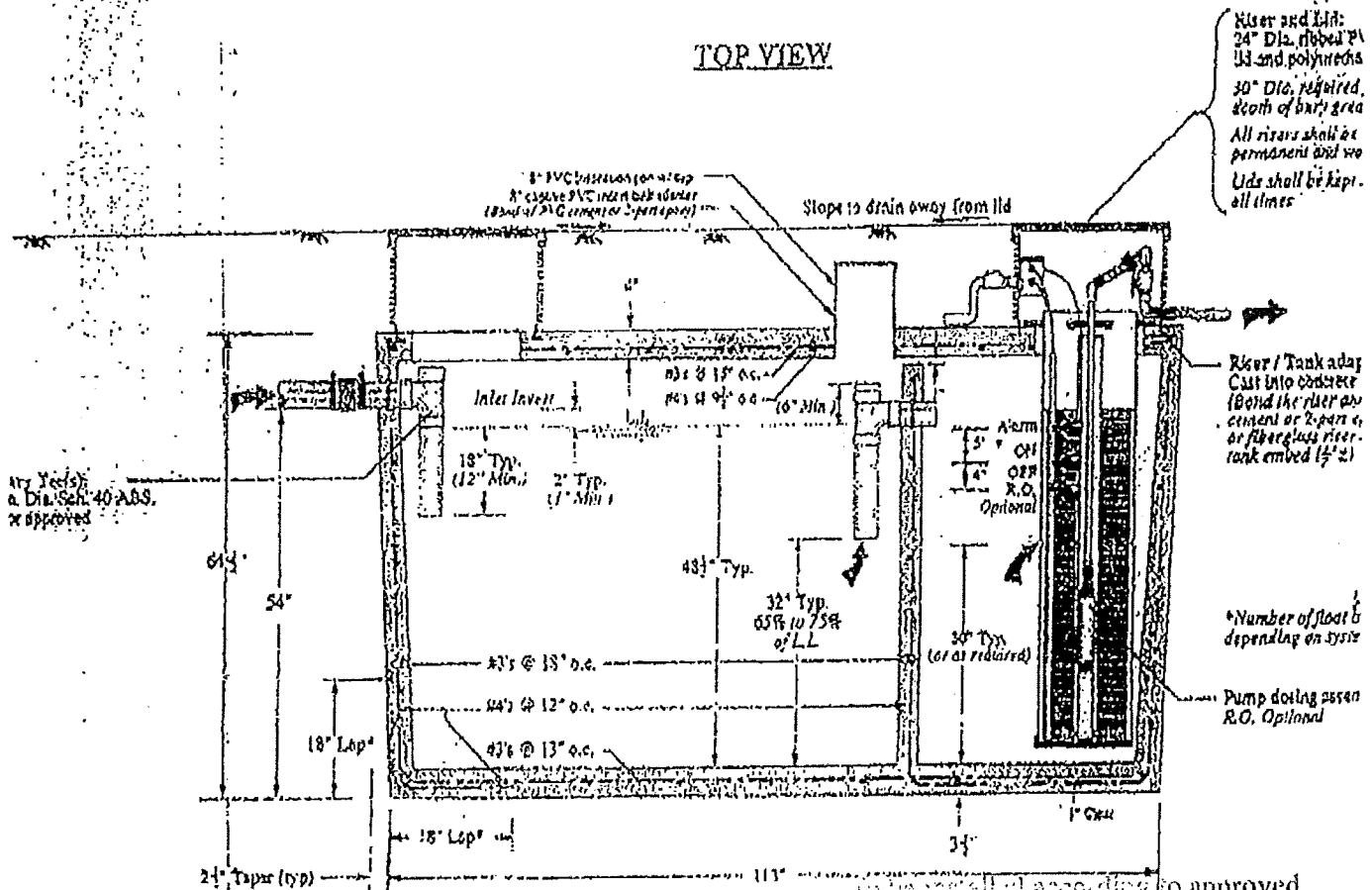
To be installed according to approved
plan of permit # 05412384

Bernie J. Duffy 1/17/13
Bernie J. Duffy Date

Natural Resource Specialist
Department of Environmental Quality



TOP VIEW



Riser and Lift:
 24" Dia. ribbed PA
 13 and polyureth
 30" Dia. required,
 depth of bars area
 All risers shall be
 permanent and we
 lids shall be kept
 all times

Riser / Tank adage
 Cast into concrete
 (Bond the riser and
 cement or 2-part e,
 or fiberglass riser-
 tank embed 1/2")

*Number of float b
 depending on syste

Pump doing 2550
 R.O. Optional

* 18" Minimum Lap Typical at all corners top and bottom

to be installed according to approved
 plans or permit # 05412384

SIDE VIEW 1500 GALLON TWO COMPARTMENT TANK

Bernie Duff 11/17/13
 Bernie Duff

Jan 14
2013

10'x36' Intermittent Sand Filter* *Bottomless*

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

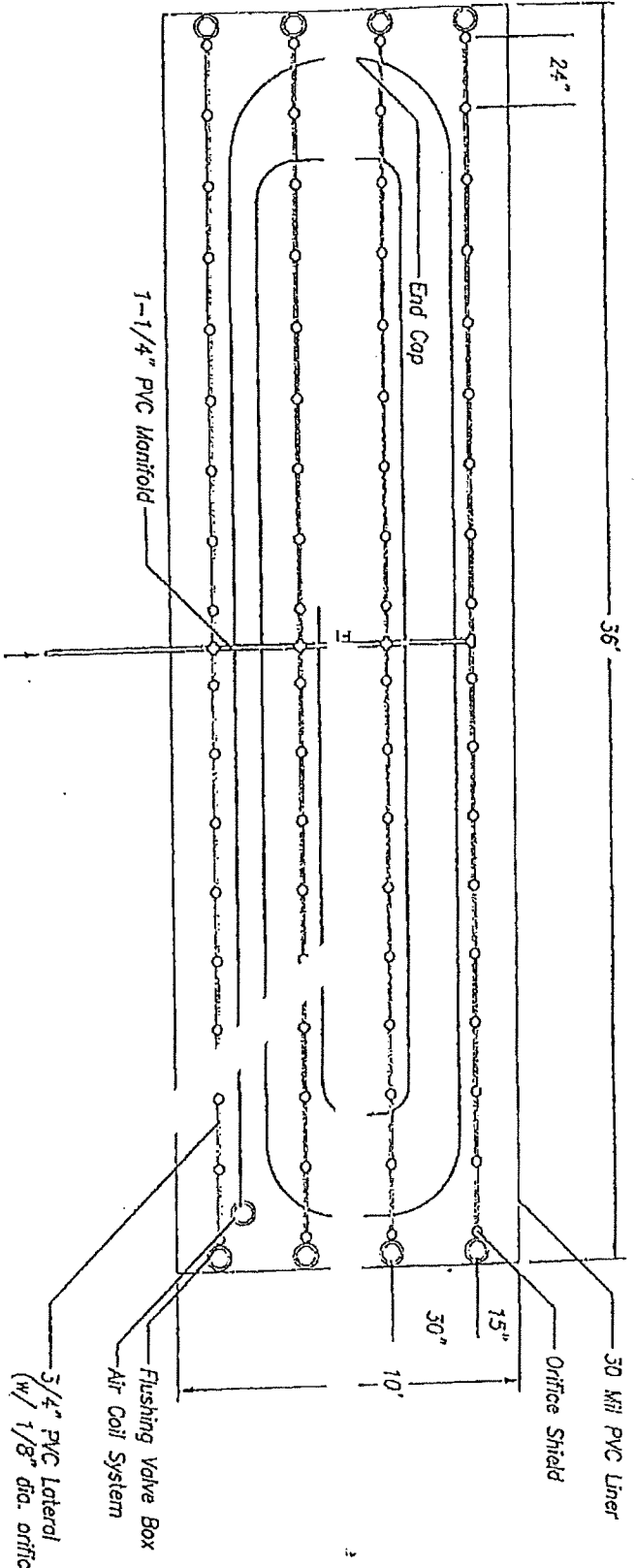
K. Komme



Oranco Systems[®]
Incorporated

314 ALPWAY AVENUE
SUTHERLIN, OREGON
97479-9012

TELEPHONE:
(501) 459-4449
FACSIMILE:
(501) 459-5894



TOP VIEW - 10'X36' GRAVITY DISCHARGE SAND FILTER

SCALE 1" = 5'-0"

Note: See additional details on
EDW-ISF-5-3

Patent # 5,360,556

To be installed according to approved
plan of permit # 05412384
Bernie Duffy 1/17/13
Bernie J. Duffy Date
Natural Resource Specialist
Department of Environmental Quality

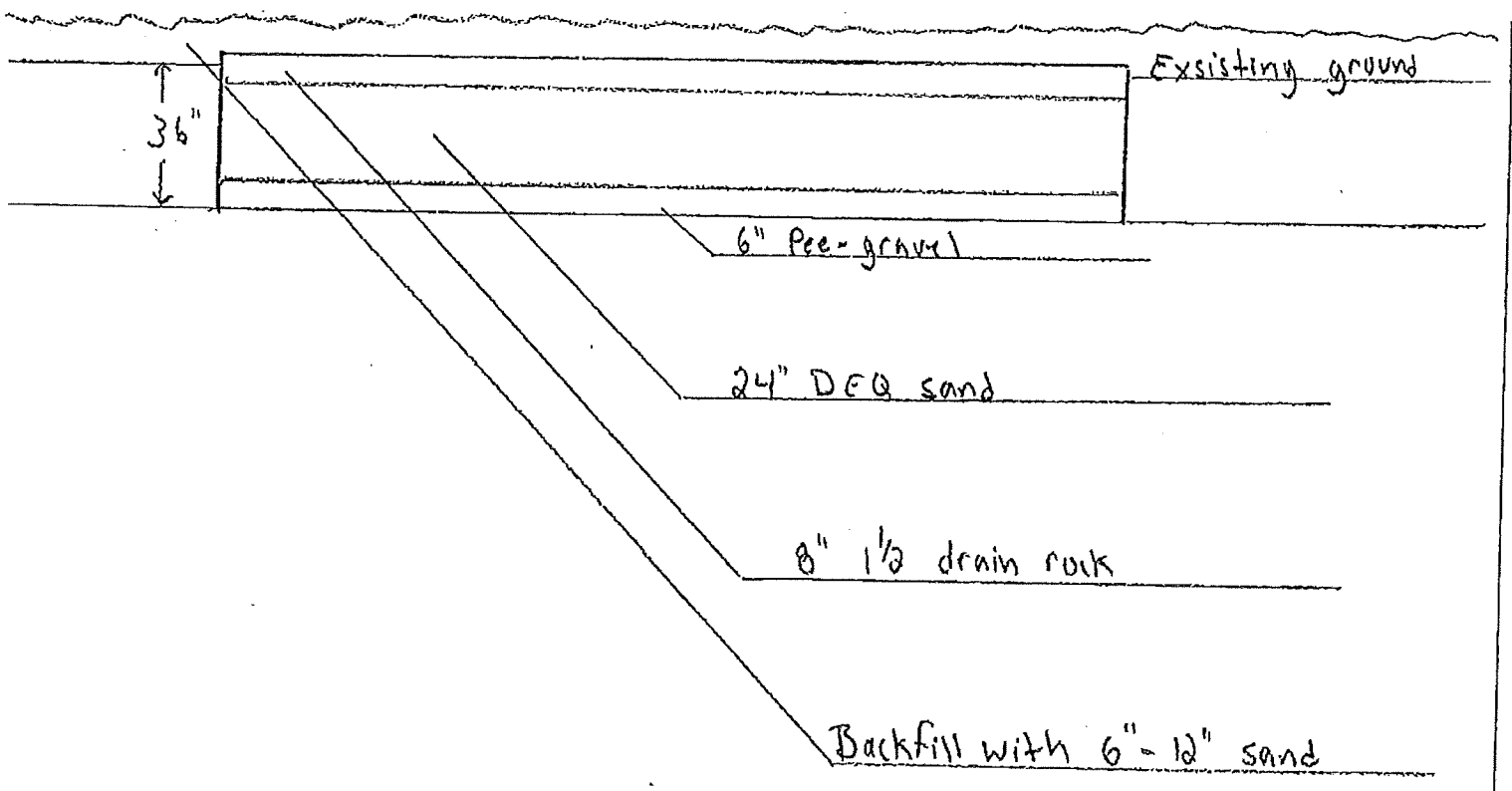
EDW-ISF-1036L-1

Ray Romine

PROJECT: [illegible]

JUN 14 2011

SF Cross-section



To be installed according to approved plan of permit # 05 412 384

Bernie J. Duffy 1/17/13
Bernie J. Duffy Date

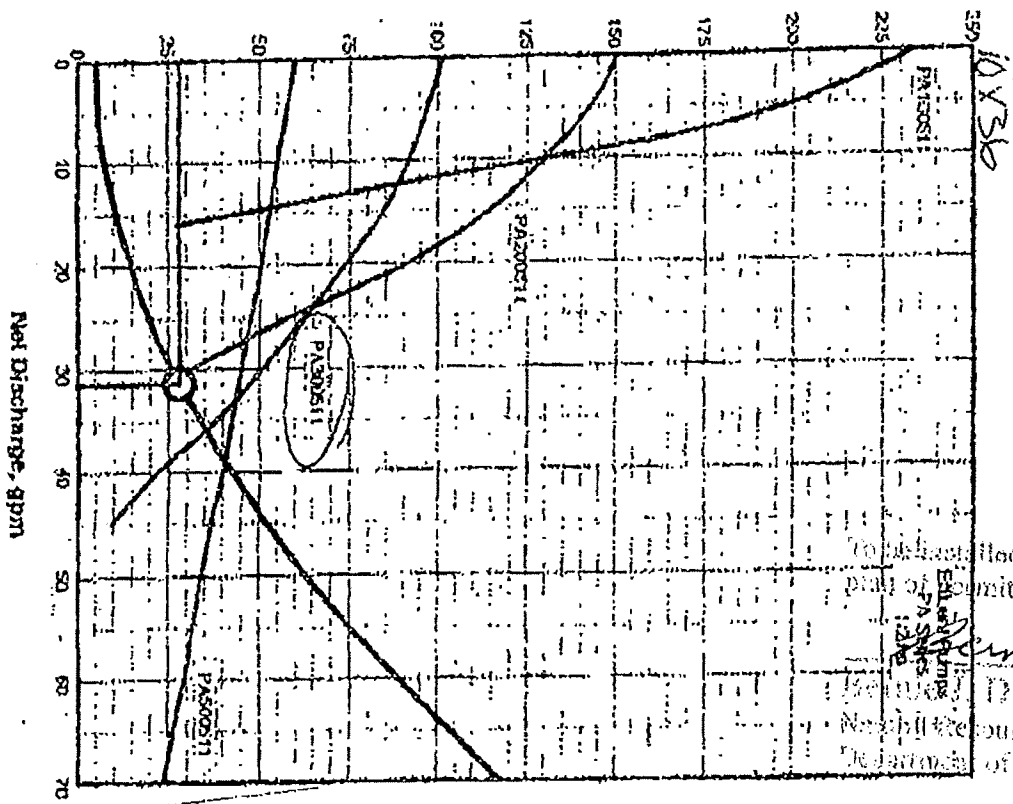
Natural Resource Specialist
Department of Environmental Quality

Pump Selection for a Pressurized System

Input Parameters	
Orifice Size	1/2 inch
Residual Head at Last Orifice	5.0 feet
Orifice Spacing	2.80 feet
Number of Orifices per Cell	8
Travel Length	17.0 feet
Orifice Line Size	0.75 inches
Lateral Pipe Class/Schedule	40
Enclosing Valve Model	None
Manifold Length	16.0 feet
Manifold Line Size	1.25 inches
Manifold Pipe Class/Schedule	40
UM to Manifold	4.0 feet
Travel Length	20.0 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	10.0 feet

Calculations	
Maximum Flow Rate per Orifice	0.43 gpm
Number of Orifices per Zone	72
Total Actual Flow Rate	31.3 gpm
Number of Lines per Zone	8
% Flow Differential for each Line Orifice	1.7 %
UM to Manifold	6.0 feet
Residual Head at Last Orifice	5.0 feet
Head Loss in Lateral	0.2 feet
Head Loss Through Discharging Valve	0.0 feet
Head Loss in Manifold	0.3 feet
Head Loss in Transport Pipe	2.6 feet
Head Loss Through Discharge	4.9 feet
Head Loss Through Flow Meter	0.0 feet
Add-on Friction Losses	10.0 feet
Total Flow Rate	31.3 gpm
TDH	27.9 feet

Total Dynamic Head (TDH), feet



R. Ronnie

DEAN HARTMAN
BOTTOMLESS SANDPIL TER

according to approved
Estimate # 05412384

Ronnie Duffy 11/2/13
Date
Resource Specialist
Department of Environmental Quality



Dynamic Systems
Incorporated

3300000000
SUNSHINE DRIVERS
33000

704.1902
180.340-9801
TECHNICAL
501.69.449

RESKALE
504.69.704

www.dynamics.com

to be installed according to approved plan of permit # 05412384

FIELD WORK SHEET FOR AGGREGATE

Bernie Duffy 11/17/13
 Contractor No. _____ Date _____
 Natural Resources Specialist
 Department of Environmental Quality

PROJECT NAME (SECTION)											
HIGHWAY					COUNTY						
CONTRACTOR OR SUPPLIER Naselle Rock & Asphalt Co.					SOURCE NAME Naselle Quarry						
PROJECT MANAGER					SOURCE NO. WA-025-2		MATERIAL SIZE		TO BE USED IN	D.I. NO.	REPORT NO.
SAMPLED AT Medium Sand		DATE 7-9-2012		TIME 1:30 P.M.		TEST NO. 1		DATE		TEST NO.	
DAILY PRODUCTION AT TIME OF SAMPLE											
AMOUNT REPRESENTED BY TEST											
AMOUNT INCORPORATED											
AMOUNT REJECTED											
SIEVE ANALYSIS											
SIEVE SIZE											
SPEC'S.											
RETAINED											
PASS											
WEIGHT											
%											
#4											
#8											
#16											
#30											
#50											
#100											
PAN											
INITIAL WT.											
10-0											
40-0											
200-0											
FRACTURE											
ELONG.											
WOODWASTE											
SAND EQUIV.											
FRIABLE											
CV											

CIRCLE ALL FAILING RESULTS

OK - BSL/JA
11/9/13

SAND EQUIVALENT TESTS		TUBE	TUBE	TUBE	TUBE	TUBE	TUBE	TUBE	TUBE
Time of test									
1	Height of Rod (sand) (Inches)								
2	Height of suspended clay material (Inches)								
Sand Equivalent = $\frac{\text{Line 1}}{\text{Line 2}} \times 100$									
Average*									

*Take average of three tubes when sand equivalent is falling or within 5 points of falling and report as a single lost. Report a fractional SE value as the next highest whole number. Example SE=41.2=42. Ex. SE=(42+44+41)+3=42.3=43.

PREPARED AND TESTED BY <u>Tom E. Willard</u> <input type="checkbox"/> HIGHWAY DIVISION EMPLOYEE <input checked="" type="checkbox"/> CONTRACTOR EMPLOYEE <input type="checkbox"/> OTHER (EXPLAIN)	REMARKS - LIST TIME AND EXTENT OF DELAYS, PLANT CHANGES, ETC This sieve analysis was done in accordance with ASTM C-136, Standard Methods for sieve analysis of Fine and Course aggregate and in conjunction and accordance with ASTM C-117, Standard Test Method for materials finer than No. 200 sieve in mineral aggregate by washing.
REVIEWED BY CONTRACTOR	REVIEWED BY PROJECT MANAGER

Gravel - Drain Rock

FIELD WORKSHEET FOR AGGREGATE

PROJECT NAME (SECTION)				CONTRACT NUMBER	
CONTRACTOR OR SUPPLIER Teevin & Fischer Quarry			PROJECT MANAGER JAN		BID ITEM NUMBER
SOURCE NAME HE Johnson Quarry			SOURCE NUMBER 04-010-2		MATERIAL SIZE ¾"-1 ½"
TEST NO. #1	DATE 1-25-11	TIME	SAMPLED AT Stockpile		TO BE USED IN

SIEVE SIZE	SPECS LIMITS	SIEVE ANALYSIS AASHTO T 27/T 11							FM CUMULATIVE % RETAINED
		MASS 1	MASS 2	MASS 3	MASS 4	TOTAL MASS	% RET	% PASS	
2"	100%	0.0				0.0	00	100%	
1 ½"	95-100%	109.3				109.3	.9	99%	
1 ¼"		3747.8				3747.8	29.4	70%	
1"		5955.8				5955.8	46.8	23%	
¾"	0-15	2417.4				2417.4	19.0	4%	
½"	02	406.9				406.9	3.2	1%	
PAN		96.3				96.3	.8		
B = INITIAL DRY MASS:		12,733.8		D = MASS AFTER SIEVING:		12,733.5			

SIEVE SIZE	SPECS. LIMITS	PERCENT FRACTURE IN AGG TM 1				ELONGATED PIECES	
		FRAC MASS (F)	QUESTIONABLE MASS (Q)	NON FRAC MASS (N)	INDIVIDUAL FRAC %	TEST MASS	ELONO MASS

SET 176			
1	2	3	SAMP LE
			CLAY
			SAND
			S.E.
AVG.			
PAN TARE			
WET MASS & PAN			
DRY MASS & PAN			
AFTER WASH DRY MASS & PAN			

C = DRY MASS AND PAN AFTER WASH - PAN
 A = WET MASS AND PAN - PAN

RESULT SPEC ROUND SQUARE RECTANGLE 12" SIZE

WAQTC AASHTO T 27/T 11

Combine % Fracture	TM 1	
Wood Waste	TM 225	
Cleanness Value	TM 227	
Flat & Elongated	TM 229	
Fineness Modulus	T 27/T 11	
MOISTURE % = ((A-B)/B) X 100		
SIEVE LOSS % = ((C-D)/C) X 100		0.0
Base Agg 2.00mm / 6.33mm		

R
B
M
A
R
K
S

To be installed according to approved plan of permit # 05412384

Bernie Duffy 1/17/13
 Bernie J. Duffy Date
 Natural Resource Specialist
 Department of Environmental Quality

<input checked="" type="checkbox"/> QUALITY CONTROL	VERIFICATION	INDEPENDENT ASSURANCE
CERTIFIED TECHNICIAN (PLEASE PRINT) AND CARD NUMBER Andy Flinn # 44056	COMPANY NAME Teevin & Fischer Quarry	SIGNATURE <i>Andy Flinn</i> DATE 1/25/11

JAN 16 2013

MOHLER SAND & GRAVEL, LLC

PO BOX 399
NEHALEM, OR 97131
503-368-5157 Plant
503-368-5158 Fax

**PEA GRAVEL SPECIFICATIONS
ANALYSIS DATE 02/21/12**

SIEVE SIZE	WEIGHT RETAINED	% RETAINED	% PASSING	DEQ SPEC'S
1/2	0			
1/4	2317	3109	57	18-100
4	4169	1257	23	5-75
10	5386	40	1	< 24
16	5405	21.0	.04	< 2
100	5418	8	.02	< 1
PAN	5426			

To be installed according to approved plan of permit # 05 412384

OK - BTJ

Bernie J. Duffy 1/17/13
Bernie J. Duffy Date

Under drain media

Natural Resource Specialist
Department of Environmental Quality

JAN 16 2013

MOHLER SAND & GRAVEL, LLC

**PO BOX 399
NEHALEM, OR 97131
503-368-5157 Plant
503-368-5158 Fax**

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100	5418	8	.02	< 1
PAN	5426			

Ray Romine, Romine Construction LLCDEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
JAN 14 2013
NORTH COAST REGIONAL OFFICE
WARREN, OR

From: "DUFFY Bernie" <DUFFY.Bernie@deq.state.or.us>
To: "Ray Romine, Romine Construction LLC" <romine4@charter.net>
Cc: "SCHIELE Vicky" <SCHIELE.Vicky@deq.state.or.us>
Sent: Wednesday, January 09, 2013 1:12 PM
Subject: RE: Sand filter depth requirements.

Ray,

I just got off the phone with Chuck Costanzo. He reviewed his soil and field notes. He agreed that 36 inch max. depth / 6 inch minimum depth will be acceptable for your Bottomless sand filter.

Please design your sand filter to indicate your sand filter construction to meet these requirements. Forward this information to Dean Hartman.

Vicky, please put a copy of this email in the file.

Thanks,

Bernie Duffy, DEQ

From: DUFFY Bernie
Sent: Wednesday, January 09, 2013 12:10 PM
To: 'Ray Romine, Romine Construction LLC'
Cc: SCHIELE Vicky
Subject: FW: Gearhart Hillila & Dune Ln construction permit follow-up

Ray,

Also please show the location of the proposed water line. Minimum 10 ft setback to any portion of the septic system.

Thanks,

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From: DUFFY Bernie
Sent: Wednesday, January 09, 2013 10:12 AM
To: 'Ray Romine, Romine Construction LLC'
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JAN 1 2013

NORTH COAST WAREHOUSE
WARRENTON**Ray Romine, Romine Construction LLC**

From: "DUFFY Bernie" <DUFFY.Bernie@deq.state.or.us>
To: "Ray Romine, Romine Construction LLC" <romine4@charter.net>
Cc: "SCHIELE Vicky" <SCHIELE.Vicky@deq.state.or.us>
Sent: Wednesday, January 09, 2013 10:12 AM
Attach: underdrain.pdf
Subject: RE: Gearhart Hillila & Dune Ln construction permit follow-up
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Please provide a copy of this email to your installer, Dean Hartman, so that he can help design the sand filter and the layout of the site.

Please submit all required information, when completed, to Vicky Schiele in the Warrenton office. Do not submit the requested items individually.

Please call me if you have questions. Thank you,

1/10/2013

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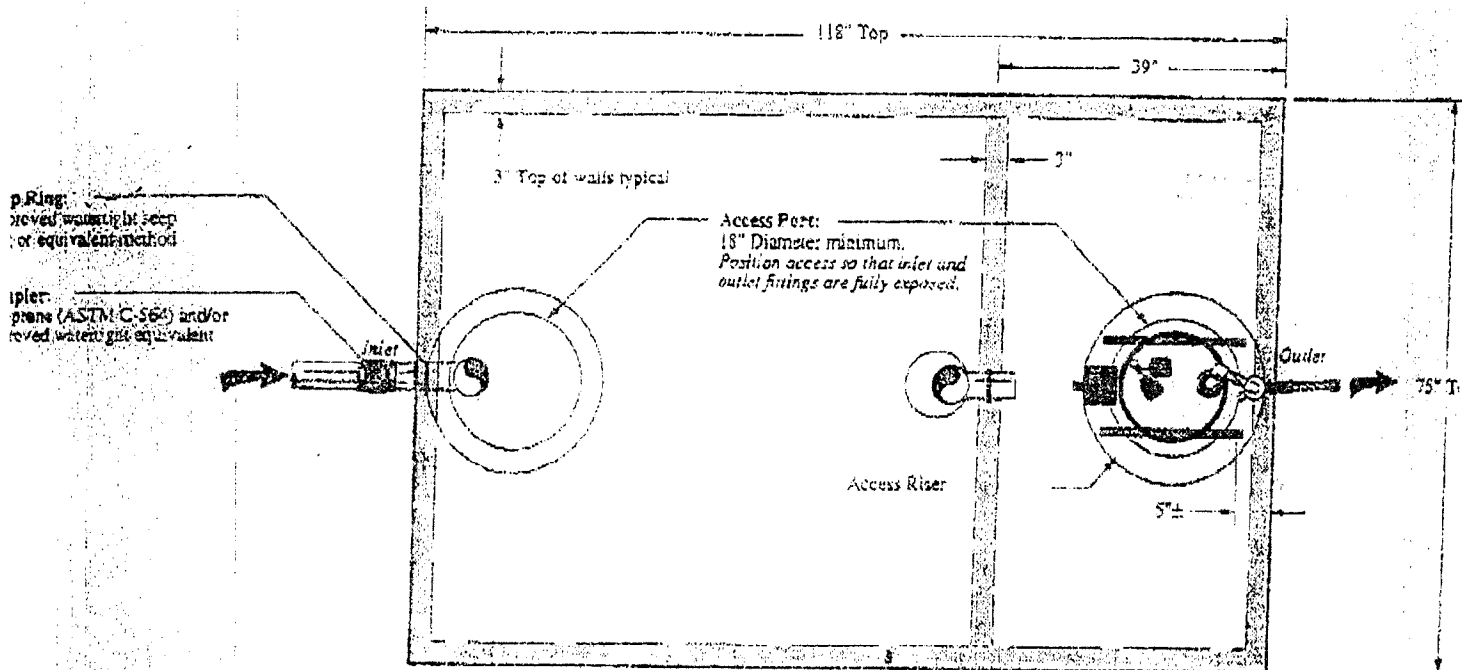
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Bernie Duffy, WWS
Onsite Wastewater Specialist
DEQ, ER, Pendleton
541-278-4601

From: Ray Romine, Romine Construction LLC [<mailto:romine4@charter.net>]
Sent: Tuesday, January 08, 2013 11:50 AM
To: DUFFY Bernie
Subject: Gearhart Hillila & Dune Ln construction permit follow-up

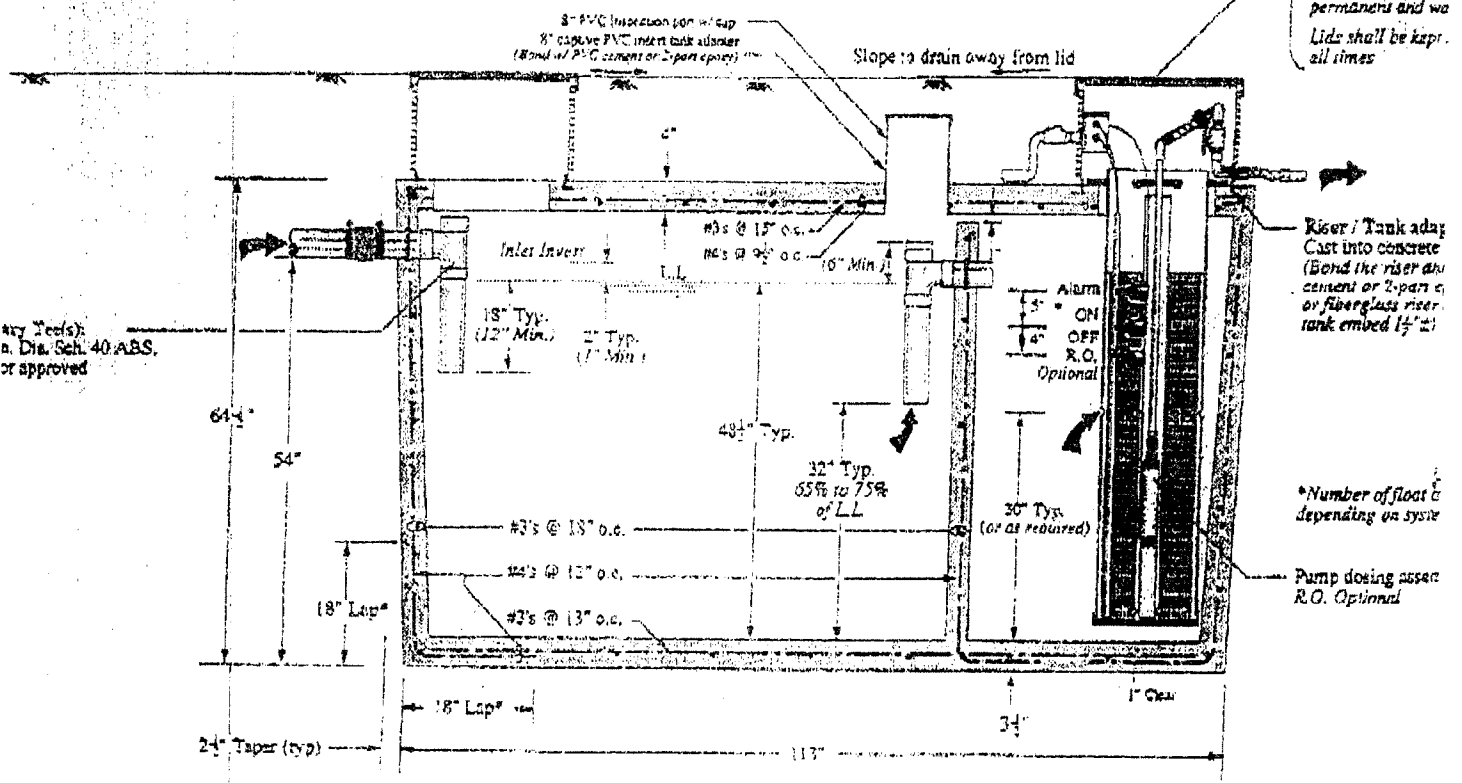
Bernie,

1/10/2013



TOP VIEW

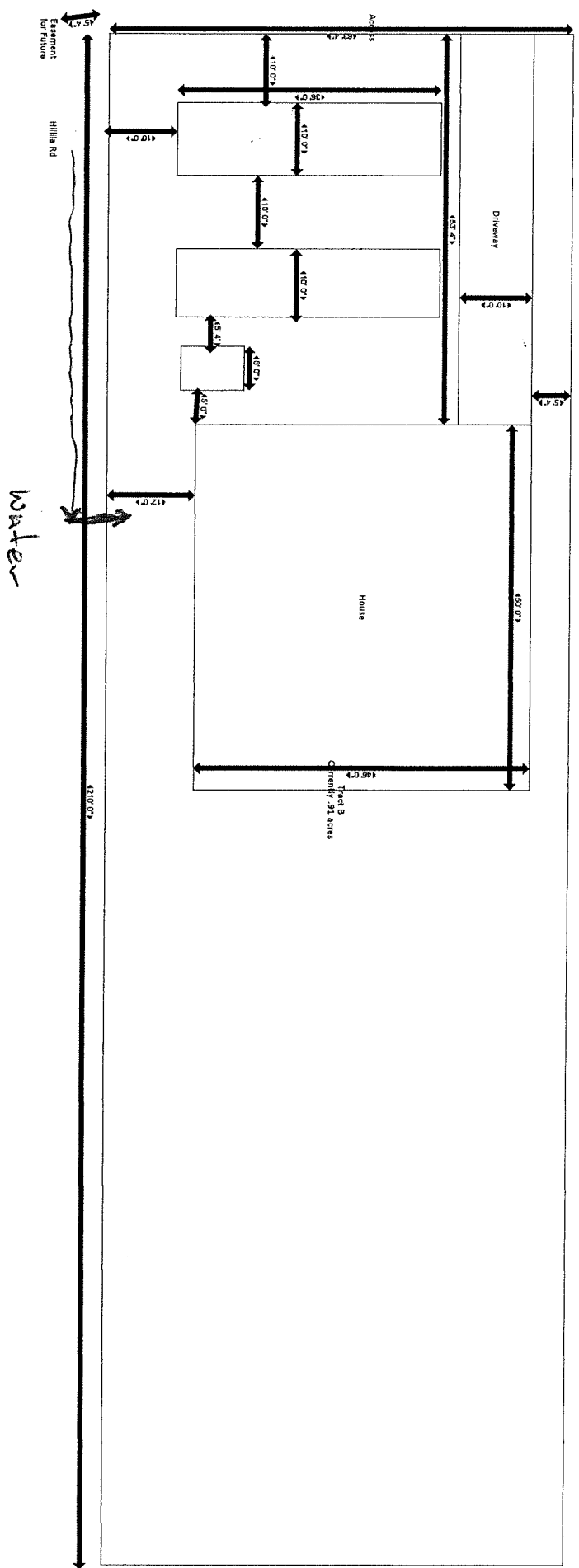
Riser and Lid:
24" Dia. ribbed PVC
lid and polyurethane
30" Dia. required,
depth of bury area
All risers shall be
permanents and wa
Lids shall be kept
all times



* 18" Minimum Lap Typical at all corners top and bottom

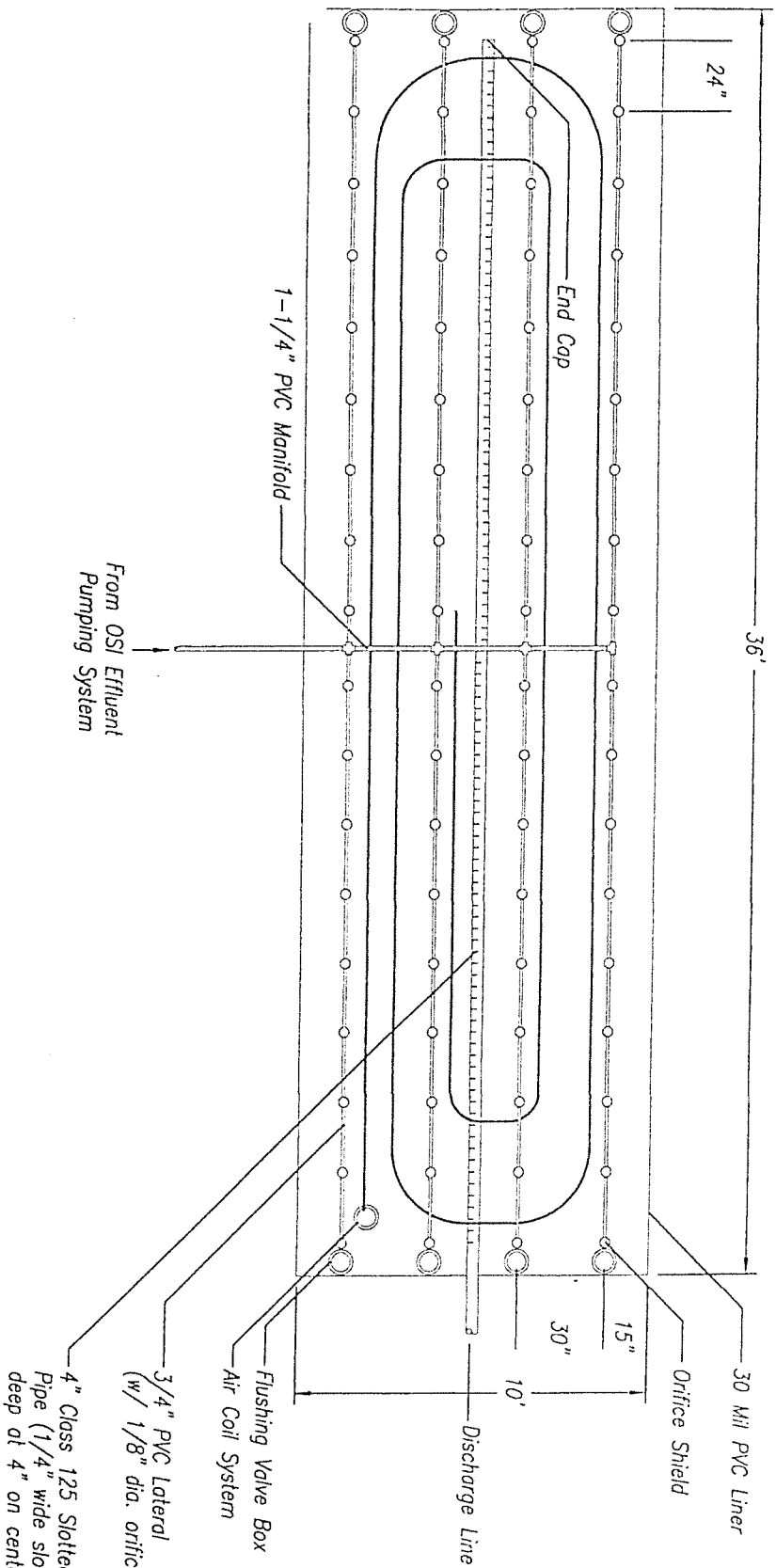
SIDE VIEW 1500 GALLON TWO COMPARTMENT TANK

11/11/2013



10'x36' Intermittent Sand Filter* with Gravity Discharge

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



TOP VIEW - 10'X36' GRAVITY DISCHARGE SAND FILTER

SCALE: 1" = 5'-0"

Note: See additional details on EDW-ISF-S-3



Orenco Systems®
Incorporated

814 AIRWAY AVENUE
SUTHERLIN, OREGON
97479-9012

TELEPHONE:
(541) 459-4449
FACSIMILE:
(541) 459-2984

Pump Selection for a Pressurized System

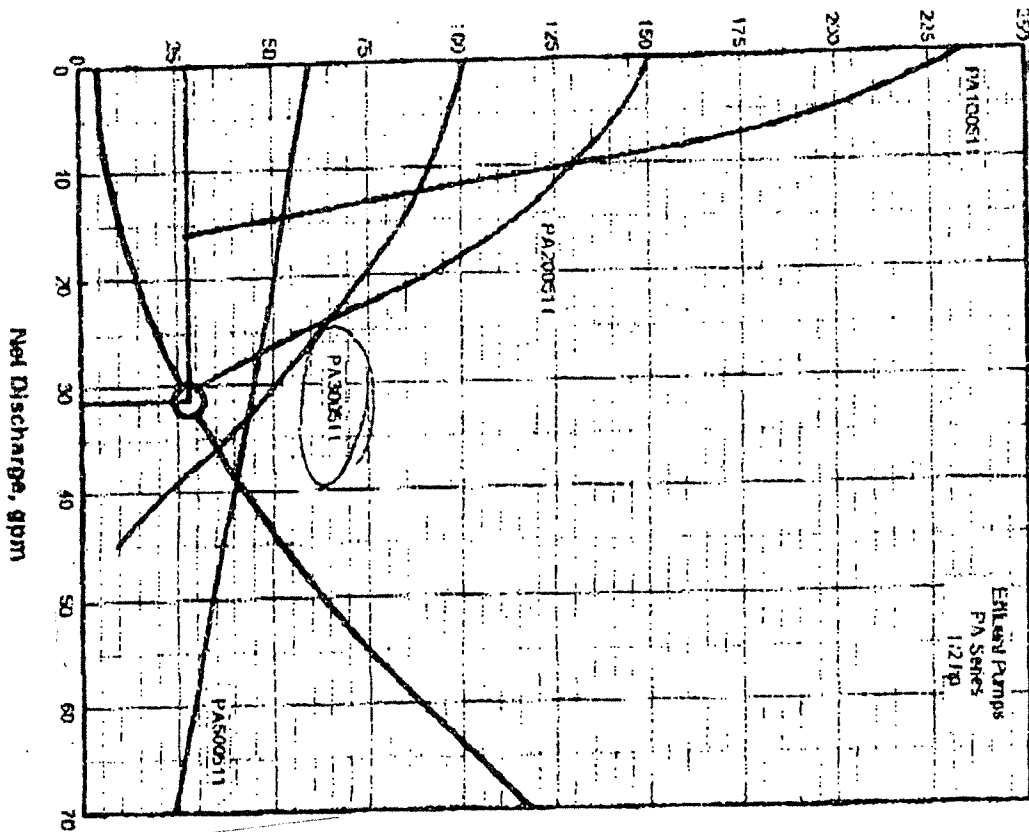
Input Parameters

Orifice Size	1/2	inches
Residual Head at Last Orifice	5.0	feet
Orifice Spacing	2.00	feet
Number of Laterals per Cell	8	
Lateral Length	17.0	feet
Lateral Line Size	0.75	inches
Lateral Pipe Class/Schedule	40	
Customizing Valve Model	None	
Manifold Length	10.0	feet
Manifold Line Size	1.25	inches
Manifold Pipe Class/Schedule	40	
Lift to Manifold	5.0	feet
Transport Length	20.0	feet
Transport Line Size	1.25	inches
Transport Pipe Class/Schedule	40	
Discharge Assembly Size	1.25	inches
Flow Meter	None	inches
Add or Friction Losses	10.0	feet

Calculations

Minimum Flow Rate per Orifice	0.43	gpm
Number of Orifices per Zone	72	
Total Actual Flow Rate	31.3	gpm
Number of Lines per Zone	8	
% Flow Differential to and from Orifice	1.7	%
LHA to Manifold	6.0	feet
Residual Head at Last Orifice	5.0	feet
Head Loss in Laterals	0.2	feet
Head Loss Through Distributing Valve	0.0	feet
Head Loss in Manifold	0.3	feet
Head Loss in Transport Pipe	2.4	feet
Head Loss Through Discharge	4.9	feet
Head Loss Through Flow Meter	0.0	feet
Add or Friction Losses	10.0	feet
Total Flow Rate	31.3	gpm
TDH	27.9	feet

Total Dynamic Head (TDH), feet



DEAN HARTMAN
BOTTOMLESS SANDFILTER



Oranco Systems
A Corporation

3:30 PM
SUNSHINE ORANGE
9147

TEL: 952
800-338-9841

TELEPHONE:
781-891-4440

FACSIMILE:
541-69-7284

WWW.ORANCO.COM

Hartman Construction Material list

Pipe & Fittings

- 4" 3034 pvc pipe
- 4" 3034 fittings

Tank

- Willamette Graystone 2 compartment 1500 gal dosing / septic concrete
- Willamette Graystone 500 gal dosing concrete
- Willamette Graystone 1000 septic concrete
- A-1 Ready mix 1500 gal 2 compartment concrete

Risers

- Orenco 24"
- Norwesco
- Michaels

Pump Package

- Franklin PF 300511 30 gpm ½ hp
- Orenco Floats & Alarms
- Orenco Effluent Screen
- Orenco Control Panel

Manifold Kit

- ¾" pvc sch 40
- 1 ¼" pvc sch 40
- Orenco orifice shields ¾"
- ¾" long sweep 90
- 6" vavle box
- ¾" ball valve

Drain Media

- Naselle Sand & Gravel DEQ Sand
- Teevin 1 ½" Drain Rock
- Mohler Pee – Gravel

Fabric

- Typar

Drain Field

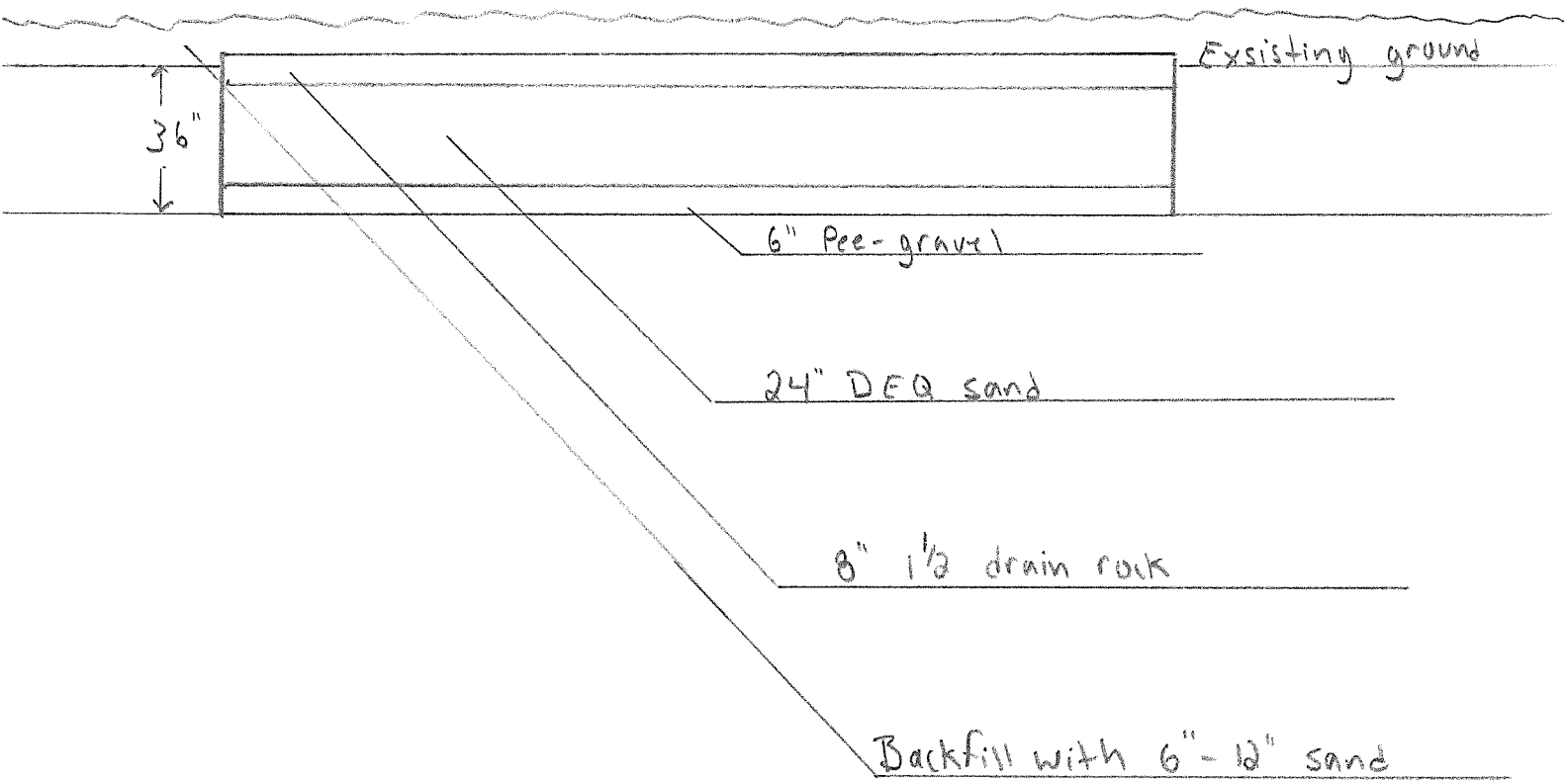
- Arch 18 Chambers
- Willamette Graystone Drop Box
- Willamette Graystone Serial D - Box

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 11 2013

NORTH COAST BRANCH OFFICE
WATER DIVISION

10/10/2011



FIELD WORK SHEET FOR AGGREGATE

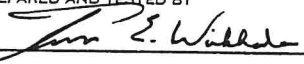
JAN 05 2013

PROJECT NAME (SECTION)						CONTRACT NO.									
HIGHWAY						COUNTY									
CONTRACTOR OR SUPPLIER Naselle Rock & Asphalt Co.						SOURCE NAME Naselle Quarry									
PROJECT MANAGER						SOURCE NO. WA-025-2		MATERIAL SIZE		TO BE USED IN		B. I. NO.		REPORT NO.	
Medium Sand		DATE 7-9-2012		TIME 1:30 P.M.		TEST NO. 1		DATE		TIME		TEST NO.		DATE	
SAMPLED AT Pile		DAILY PRODUCTION AT TIME OF SAMPLE		<input checked="" type="checkbox"/> TON		<input type="checkbox"/> TON		<input type="checkbox"/> TON		<input type="checkbox"/> TON		<input type="checkbox"/> TON		<input type="checkbox"/> TON	
AMOUNT REPRESENTED BY TEST		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.		<input type="checkbox"/> C.Y.	
AMOUNT INCORPORATED		AMOUNT REJECTED		SIEVE ANALYSIS		<input checked="" type="checkbox"/> WET <input type="checkbox"/> DRY		<input type="checkbox"/> WET <input type="checkbox"/> DRY		<input type="checkbox"/> WET <input type="checkbox"/> DRY		<input type="checkbox"/> WET <input type="checkbox"/> DRY		<input type="checkbox"/> WET <input type="checkbox"/> DRY	
SIEVE SIZE	SPECS.	RETAINED		PASS	RETAINED			PASS	RETAINED		PASS	RETAINED		PASS	
		WEIGHT	%	%	WEIGHT	%	%	WEIGHT	%	%	WEIGHT	%	%		
3/8"	100	Ø		100											
#04	95-100	2.9		100											
#08	80-100	112.8	11	89											
#16	45-85	298.7	30	70											
#30	15-60	528.7	52	48											
#50	3-15	878.2	87	13											
#100	4.0 Max	974.6	96.6	3.4											
PAN 866.2		996.1													
INITIAL WT. 1009.1		100			100				100			100			
10-0/1/4-0		/			/				/			/			
40-0/10-0		/			/				/			/			
200-0/10-0		/			/				/			/			
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<input type="checkbox"/> HIGHWAY DIVISION EMPLOYEE <input checked="" type="checkbox"/> CONTRACTOR EMPLOYEE <input type="checkbox"/> OTHER (EXPLAIN)	REVIEWED BY CONTRACTOR _____ REVIEWED BY PROJECT MANAGER _____

SCHIELE Vicky

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
JAN 09 2013
NORTH COAST BRANCH OFFICE
WARRENTON

From: DUFFY Bernie
Sent: Wednesday, January 09, 2013 1:13 PM
To: Ray Romine, Romine Construction LLC
Cc: SCHIELE Vicky
Subject: RE: Sand filter depth requirements.

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To: DUFFY Bernie
Subject: Gearhart Hillila & Dune Ln construction permit follow-up

Bernie,

Here is an electronic copy of the site plan for Dune Ln. in Gearhart Oregon. Vicky explained that the print was too small. You should be able to blow this up to the size you want and print if needed.

I would like to here back from you if you need anything else.

Dean Hartman was repending to your request for current sive ratings

This should be all you need to approve the request for a new system. If not please let me know

Thank you

Ray Romine
Romine Construction LLC

=====

Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 9.0.0.898, Virus/Spyware Database: 6.20940)

<http://www.pctools.com>

=====

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Ray, Twp 6N, Rng 10 W, Sec 3 BD, Tax lot 3301.

These are my comments and request for additional information for you proposed bottomless sand filter system for Tax Lot 3301. The plans must of adequate detail and comprehensive for a DEQ licensed installer to complete the installation of the system.

1. The site evaluation calls for maximum depth of 8 inches. I am checking with Chuck regarding his field notes. With a maximum depth of 8 inches, you will have a 3/1 backfill slope of about 9 to 10 ft which would extend into the roadway. The side slopes may also extend beyond the property lines as proposed. Please review the site evaluation requirements. Are you proposing a soil slope with plywood and wood frame or concrete panels for an above ground bottomless sand filter? Provide information in your details.
2. Pea Gravel sieve analysis - this sieve analysis does not meet the requirements for Underdrain media (OAR 340-71-100 (173)). The correct sieves must be used and the sieve analysis must be current. The sieve analysis from Scappoose Sand and Gravel is from January 5, 2010. The specifications for Underdrain media are attached.
3. Sand filter plans shall include a sand filter cross section. The detail shall indicate the materials proposed, thickness of layers, crown, soil backfill (if needed due to depth), and other information for construction of the sand filter.
4. The sand filter plans shall include the manifold layout indicating pipe sizing, orifice spacing, lateral spacing and dimensions.
5. Pump information, sizing and hydraulic calculations shall be submitted.
6. Materials list shall include orifice shields, valve boxes, turn-ups, air line? and other items required to complete the sand filter installation.
7. Site plan shall indicate the pressure line location. There shall be adequate area between the house and the sand filter for the backfill slope (if required). There may need to be more space between the house and the sand filter to allow room for the sand filter backfill slope. Adjust your site plan as needed. It is suggested that your installer stake the initial and replacement system in the field.

Please provide a copy of this email to your installer, Dean Hartman, so that he can help design the sand filter and the layout of the site.

Please submit all required information, when completed, to Vicky Schiele in the Warrenton office. Do not submit the requested items individually.

Please call me if you have questions. Thank you,

Bernie Duffy, WWS
Onsite Wastewater Specialist

DEQ, ER, Pendleton
541-278-4601

From: Ray Romine, Romine Construction LLC [<mailto:romine4@charter.net>]
Sent: Tuesday, January 08, 2013 11:50 AM
To: DUFFY Bernie
Subject: Gearhart Hillila & Dune Ln construction permit follow-up

Bernie,

Here is an electronic copy of the site plan for Dune Ln. in Gearhart Oregon. Vicky explained that the print was too small. You should be able to blow this up to the size you want and print if needed.

I would like to here back from you if you need anything else.

Dean Hartman was repoding to your request for current sive ratings

This should be all you need to approve the request for a new system. If not please let me know

Thank you

Ray Romine
Romine Construction LLC

=====

Email scanned by PC Tools - No viruses or spyware found.
(Email Guard: 9.0.0.898, Virus/Spyware Database: 6.20940)
<http://www.pctools.com>

=====



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

Date Stamp: JAN 01 2013 NORTH COAST BRANCH OFFICE WARRENTON	For DEQ Use Only:
	Date Received <u>1/4/13</u> Fee Paid <u>1580.00</u> Receipt Number <u>150701</u> Application Number <u>414023</u> Date of 1st Response _____ Date of 2nd Response _____ Date of Final Response _____ Date of Completion _____ Scanned _____ Data Entry _____

Scan ID
414023

A. Property Owner Information

Name Ray Romine Mailing Address (Street or PO Box, City, State, Zip Code) 2170 Skyline Dr Seaside OR Phone Number 503 440-9561

B. Legal Property Description

Township 6 Range 10 Section 03BD Tax Lot 3301 A Tax Account Number _____ Acreage or Lot Size _____
County Clatsop Subdivision Name _____ Lot _____ Block _____

Property Address: _____ Address _____ City _____ State _____ Zip Code _____

Directions to Property: East on Hillia one block past Heritage LN

C. Existing Facility / Proposed Facility / Water Information

Existing Facility:	Proposed Facility:	Water Supply:
<input type="checkbox"/> Single Family Residence	<input checked="" type="checkbox"/> Single Family Residence	<input checked="" type="checkbox"/> Public <u>Garbhart</u>
Number of Bedrooms _____	Number of Bedrooms <u>3</u>	Name _____
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	<input type="checkbox"/> Private _____
		Well, Spring, Shared _____

D. Type of Application

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

Signature [Signature] Date 12/31/12 1-4-13
Applicant's Name - Please Print Legibly Ray Romine Applicant's Phone Number 503 440 9561 Applicant's E-mail Address _____

Applicant's Mailing Address _____
Applicant is the Owner Authorized Representative Licensed Septic Installer
 Authorization Attached Dean Hartman
Installer's Name



SECTION 1 - TO BE COMPLETED BY APPLICANT (may be filled in electronically by tabbing to each field)

1. Applicant Name/Property Owner: Ray Romine
Mailing Address: 2170 Skyline Dr
City, State Zip Code: Senside OR 97138
Telephone: 503-440-9561

2. Property Information:
County: Clatsop Tax Lot No.: 3301
Township: 6 Range: 10 Section: 03 BD
Physical Address: _____
Block: _____ Lot: _____
Subdivision Name (if applicable): _____

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

4. Permit or approval being requested:
 Construction-Installation permit for: New Construction Repair Alteration
 Non-water-carried facility requests (for example, pit privy/vault toilet for campgrounds)
 Authorization Notice for: Replacement of dwelling Bedroom addition
 Other changes in land use involving potential sewage flow increases

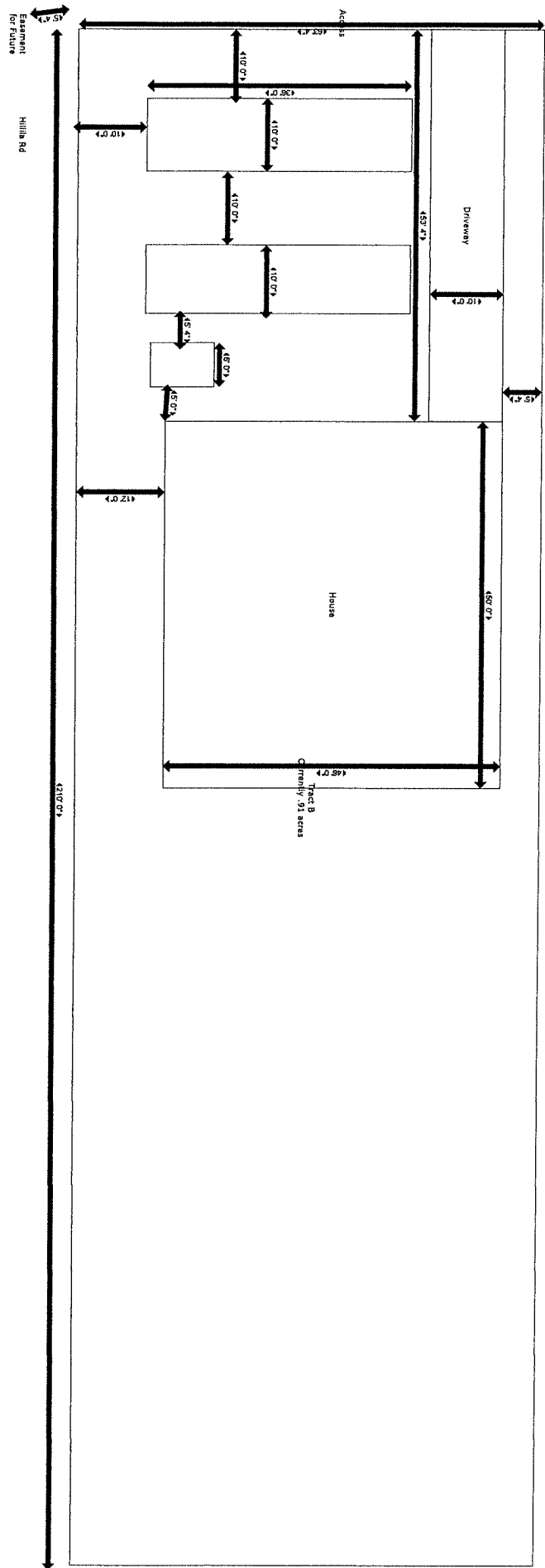
SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL

5. Property Zoning: R1 Zoning Minimum Parcel Size: 10K Lot

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

7. Does the proposed facility comply with all applicable local land use requirements: Yes No
If you answered "Yes" above, was this compliance based on:
 Compliance with local comprehensive plans and land use requirements (provide a citation to the applicable provisions)
 Conditional approval (provide findings and citation or attach a copy of the applicable land use decision)
 Measure 49 waiver (provide Department of Land Conservation and Development approval number)
Either provide reasons for affirmative compliance decision or attach findings of fact: _____

8. Planning Official Signature: Cheryl Sweet
Print Name: Cheryl Sweet Date: 1/3/13
Title: City Administrator Telephone: 503-738-5501



LEFT OFFICE RECEIVED
QUALITY

JAN 03 2013

NORTH COUNTY PLUMBING OFFICE
WATSONVILLE

Hartman Construction Co.

Material list

Pipe & Fittings

- 1 ¼ PVC sch 40
- 4" 3034 pvc pipe
- 4" 3034 fittings

Tanks

- Willamette Graystone 2 compartment 1500 gal dosing / septic
- Willamette Graystone 500 gal dosing
- Willamette Graystone 1000 septic

Risers

- Orenco
- Norwesco
- Michaels

Pumps & Supplies

- Franklin
- Orenco Floats & Alarms
- Orenco Effluent Screen

Drain Media

- Naselle Sand & Gravel DEQ Sand
- Teevin 1 ½" Drain Rock
- Mohler Pee - Gravel

Fabric

- Typar

Drain Field

- Arch 18 Chambers
- Willamette Graystone Drop Box
- Willamette Graystone Serial D - Box

FIELD WORKSHEET FOR AGGREGATE

PROJECT NAME (SECTION)				CONTRACT NUMBER	
CONTRACTOR OR SUPPLIER Teevin & Fischer Quarry			PROJECT MANAGER JAT		BJD ITEM NUMBER
SOURCE NAME HE Johnson Quarry			SOURCE NUMBER 04-010-2		MATERIAL SIZE 3/4"-1 1/2"
TEST NO. #1	DATE 1-25-11	TIME	SAMPLED AT Stockpile		TO BE USED IN

SIEVE SIZE	SPECS LIMITS	SIEVE ANALYSIS AASHTO T 27/T 11							FM
		MASS 1	MASS 2	MASS 3	MASS 4	TOTAL MASS	% RET	% PASS	CUMULATIVE % RETAINED
2"	100%	0.0				0.0	00	100%	
1 1/2"	95-100%	109.3				109.3	.9	99%	
1 1/4"		3747.8				3747.8	29.4	70%	
1"		5955.8				5955.8	46.8	23%	
3/4"	0-15	2417.4				2417.4	19.0	4%	
1/2"	02	406.9				406.9	3.2	1%	
PAN		96.3				96.3	.8		

B = INITIAL DRY MASS: 12,733.8 D = MASS AFTER SIEVING: 12,733.5

SIEVE SIZE	SPECS. LIMITS	PERCENT FRACTURE IN AGG TM 1				ELONGATED PIECES	
		FRAC MASS (F)	QUESTIONABLE MASS (Q)	NON FRAC MASS (N)	INDIVIDUAL FRAC %	TEST MASS	ELONG MASS

SE T 176			
1	2	3	SAMP LE
			CLAY
			SAND
			S.E.
			AVG.
PAN TARE			
WET MASS & PAN			
DRY MASS & PAN			
AFTER WASH DRY MASS & PAN			

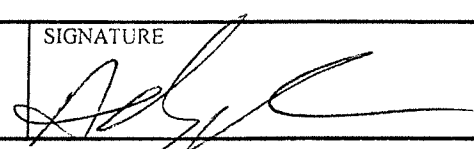
C = DRY MASS AND PAN AFTER WASH - PAN DRY WET

A = WET MASS AND PAN - PAN RESULT SPEC ROUND SQUARE RECTANGLE 12" SIZE

WAQTC AASHTO T 27/T 11

Combine % Fracture	TM 1		
Wood Waste	TM 225		
Cleanness Value	TM 227		
Flat & Elongated	TM 229		
Fineness Modulus	T 27/T 11		
MOISTURE % = ((A-B)/B) X 100			
SIEVE LOSS % = ((C-D)/C) X 100		0.0	
Base Agg 2.00mm / 6.33mm			

REMARKS	

<input checked="" type="checkbox"/> QUALITY CONTROL	VERIFICATION	INDEPENDENT ASSURANCE
CERTIFIED TECHNICIAN (PLEASE PRINT) AND CARD NUMBER Andy Finn # 44056	COMPANY NAME Teevin & Fischer Quarry	SIGNATURE 
DATE 1/25/11		



Scappoose Sand & Gravel Co.

33485 E. Crown Zellerbach Road • P.O. Box AF • Scappoose, Oregon 97056
 Phone (503) 543-8821 • Fax (503) 543-7997

JAN 03 2011

UNDERDRAIN MEDIA / SIEVE ANALYSIS

TYPE OF MATERIAL					PEA GRAVEL	
SIEVE SIZE	WEIGHT RETAINED	% RETAINED	% PASSING	SPECS	DATES	
1/2	0	0	100	100	1-5-10	
3/8	0	0	100	85-100	SAMPLE # 1	
4	4.60	87	13	10-30	TIME 9:00 AM	
8	5.25	99	1	0-10	INITIALS KL	
16	5.26	99.6	.4	0-5	NOTES	
200	5.27	99.8	.2	0-1.0		
TOTAL	5.28					
						SAMPLE #
						TIME
					INITIALS	
					NOTES	
TOTAL						
					SAMPLE #	
					TIME	
					INITIALS	
					NOTES	
TOTAL						

Receipt Number: 150701



Oregon Department of Environmental Quality

Warrenton Office

65 N Highway 101, Suite G

Warrenton, OR 97146

Date Received 1/4/2013

Received From **Romine Construction LLC**
(Check Name): **Ray Romine**
2170 Skyline Drive
Seaside, OR 97138

For **T06N R10W S03 BD**
Property **TaxLot 3301 Lot A**
At: **Clatsop County**
Dune Lane
Gearhart, OR 97138

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order	Bank Number	Amount Applied
1,580.00	Check	2809	24-22	1,580.00

Total Amount Applied \$1,580.00

Onsite Fees

Base Fee: **1,520.00**
 Surcharge Fee: **60.00**
 Plan Review Flow Fee:
 Pump Evaluation Fee:
 Flow Fee:
 Reinspection Fee:

Total Fee \$1,580.00

Application Description

Application ID: **414023**
 Application Type: **Construction-Installation Permit**
Single Family Dwelling
 System Type: **Sand Filter: Bottomless - Residential**
 Pump Evaluation: **No**
 Flow: **450** gallons/day

Payments

Previous Payments: **0.00**
 Current Payment: **1,580.00**
 Over Payment: **0.00**

Total Payments: \$1,580.00

Receipt Amount: \$1,580.00

Received By:

Date of Entry:

Vicky Schiele

1/4/2013



Oregon

John A. Kitzhaber, MD, Governor

Scan ID
413944

Department of Environmental Quality
Western Region Medford Office
221 Stewart Avenue, Suite 201
Medford, OR 97501
(541) 776-6010
FAX (541) 776-6262
TTY 711

December 21, 2012

SITE EVALUATION REPORT

RAY ROMINE
2170 SKYLINE DR.
SEASIDE, OR 97138

Re: Site Evaluation Onsite #412358

Dear Mr. Romine:

I evaluated the property referenced below to determine if an onsite wastewater disposal system that complies with State of Oregon Rules could be located on the parcel. I **approved** the site for the system described in the "Approved System Specifications" section of the Field worksheet. This site approval runs with the land and will automatically benefit subsequent owners. The site approval is valid until the approved system is constructed under a DEQ construction permit or unless the site is altered without approval from this office (excavation that could affect setbacks, placement of wells or utilities, etc.). **Alterations made to the site may invalidate this approval.**

Applicant Name: Ray Romine

Application Number: 413944

Township: 06

Range: 10

Section: 03

Tax Lot: 3301

County: Clatsop

If you believe the site evaluation is in error or that a variance from approval conditions is necessary, please contact our office for more details.

This is not your permit. A Construction/Installation permit is required before you construct your system. Please contact this office when you are ready to apply for a construction/installation permit. We cannot sign off on any Building Codes forms until we issue your permit.

If you have any questions regarding this report, please contact DEQ at 541-776-6130.

Yours truly,


Charles D. (Chuck) Costanzo, REHS
Onsite Wastewater Specialist

Attachments: Field Worksheet, Additional Conditions of Approval, Approved Area Site Plan

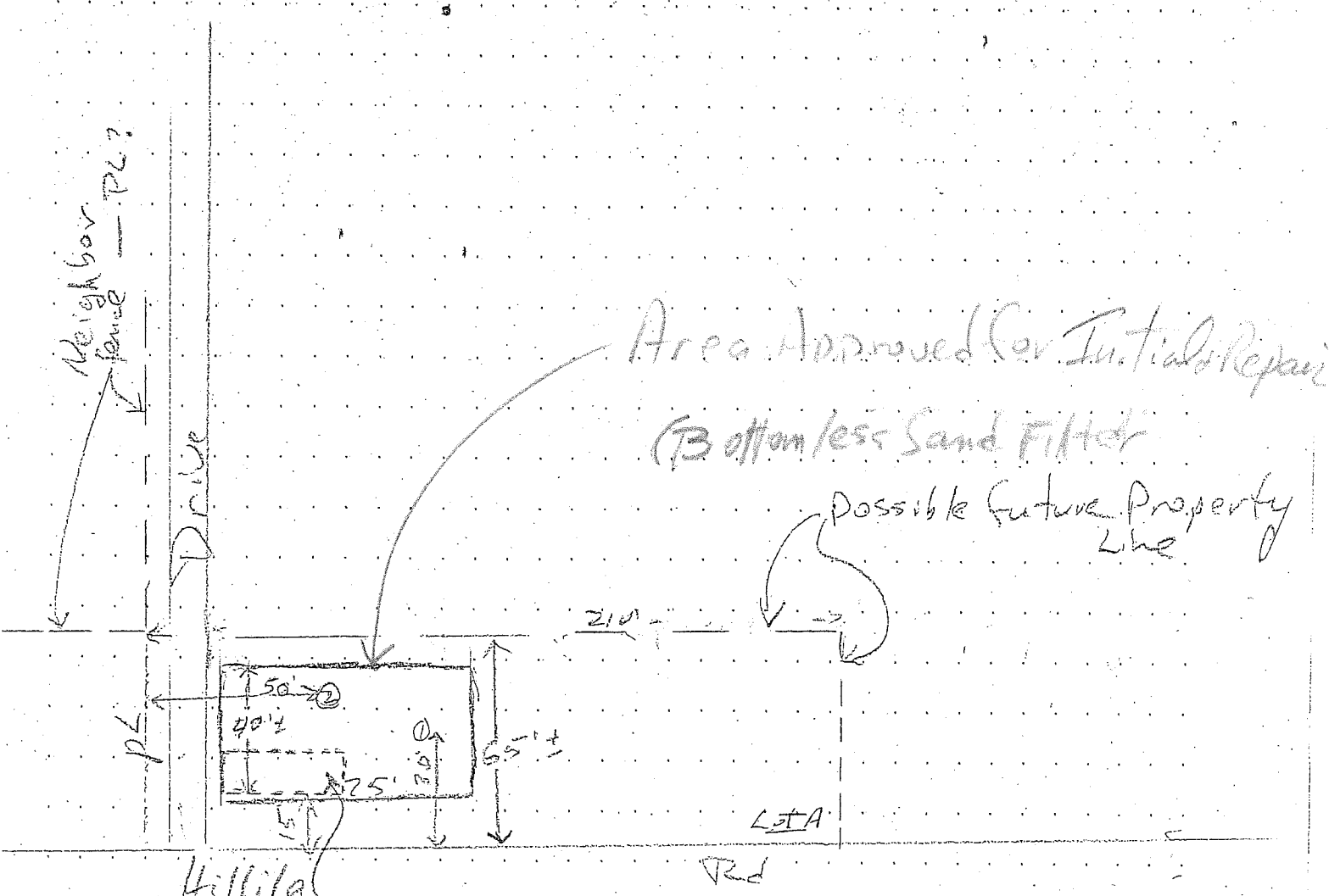


E EVALUATION FIELD WORKSHEET

Township: 6N Range: 10W Section: 03 Tax Reference: 23301 Parcel Size: _____

Owner/Applicant: Romaine, Ray Evaluator: CDX

Inspection Date(s): 12/14/12 Application Number: 413944



10'x36' Bottomless Sand Filter, Possible Location

SITE EVALUATION FIELD WORKSHEET

Township: 6N Range: 10W Section: 03 Tax Reference: R-01 Parcel Size: _____
 Owner/Applicant: Romaine, Ray Evaluator: CDK
 Inspection Date(s): 12/14/12 Application Number: 413944

	DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC...
Pit 1	0-60	S	Lt Brown w/ → gran. Dry to 60
			No roots
Pit 2	0-48	Sand	Same as #1 ^{Dry} Stough in wet
Pit 3			
Pit 4			

Landscape Notes: Convex Ridge
 Slope: 6-8% Aspect: 1 Groundwater Type: Perm > 60"
 Other Site Notes: Elevated area above surrounding land
- Holes closer to surrounding ground elevation

SYSTEM SPECIFICATIONS

Design Flow: 450 gpd
 Initial System: Bottomless Sand Filter ATT Treatment Standard: 2
 Disposal Facility: N/A linear feet/square feet Maximum Depth: 8 inches Minimum Depth: 2 inches
 Replacement System: same ATT Treatment Standard: 2
 Disposal Facility: _____ linear feet/square feet Maximum Depth: _____ inches Minimum Depth: 1 inches
 Special Conditions: Questions - Planning to subdivide? Looks OK
for site w/ 150 I + 105 OSF; Repair for entire 91 Ac lot

FIELD WORKSHEET

App. Name: Romine, Ray Application # 413944 County Clatsop

RE: SITE EVALUATION REPORT for Township/Range/Section: T 06 / R 10 / S 03 , Tax Lot# 3301

Commercial Facility: Yes No Parcel Size: .91, Plans to subdivide into 3 lots

APPROVED SYSTEM SPECIFICATIONS

Design flow: 450 gpd Max # of bdrms: 4 Max # of Employees: N/A

Initial System	Replacement System
<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input checked="" type="checkbox"/> Bottomless Sand Filter <input type="checkbox"/> Conventional Sand Filter/ATT <input type="checkbox"/> Other _____	<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input checked="" type="checkbox"/> Bottomless Sand Filter <input type="checkbox"/> Conventional Sand Filter/ATT <input type="checkbox"/> Other _____
Tank: <input type="checkbox"/> 1,000 gal. <input checked="" type="checkbox"/> 1,500 gal. <input type="checkbox"/> 2 compartment <input type="checkbox"/> Other <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required	Tank: <input type="checkbox"/> 1,000 gal. <input checked="" type="checkbox"/> 1,500 gal. <input type="checkbox"/> 2 compartment <input type="checkbox"/> Other <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required
Distribution Method: <input type="checkbox"/> Equal <input type="checkbox"/> Serial <input type="checkbox"/> Pressurized	Distribution Method: <input type="checkbox"/> Equal <input type="checkbox"/> Serial <input type="checkbox"/> Pressurized
Absorption facility: <u>N/A</u> total linear feet <u>N/A</u> linear feet per 150 gallons projected daily sewage flow <u>8</u> " Max Depth <u>2</u> " Min Depth	Absorption facility: <u>N/A</u> total linear feet <u>N/A</u> linear feet per 150 gallons projected daily sewage flow <u>8</u> " Max Depth <u>2</u> " Min Depth

Additional Conditions of Approval

- Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void this approval.
- Both the initial and replacement disposal areas are to be protected from traffic, cover, development, or other potential disturbance of natural soil conditions.
- 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.
- This approval is given on the basis that the parcel described above will not be further partitioned or subdivided.
- Placement of a well within 100 feet of the approved areas may invalidate this approval.

- A curtain drain is required, a minimum of _____ feet above the highest disposal trench.
- The curtain drain must be a minimum of _____ inches deep, and installed in accordance with OAR 340-071-0220 (12).
- Rake trench sidewalls.
- The system must be installed during dry soil conditions only.
- System must be installed between June 1 and October 1, unless otherwise approved by DEQ.

Original lot of .91 AC will only support 2 dwellings due to the Oregon Administrative Rule requirement that in areas of permanent ground water, only one dwelling per half acre is allowed (OAR 0340-071-0290 (2) (c)).

FIELD WORKSHEET

App. Name: Romine Ray Application # 413944 County Clatsop

RE: **SITE EVALUATION REPORT** for Township/Range/Section: T 06 / R 10 / S 03, Tax Lot# 3301

Commercial Facility: Yes No Parcel Size: .91 Plans to subdivide into 3 lots

APPROVED SYSTEM SPECIFICATIONS

Design flow: 450 gpd Max # of bdrms: 4 Max # of Employees: N/A

Initial System	Replacement System
<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input checked="" type="checkbox"/> Bottomless Sand Filter <input type="checkbox"/> Conventional Sand Filter/ATT <input type="checkbox"/> Other _____	<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input checked="" type="checkbox"/> Bottomless Sand Filter <input type="checkbox"/> Conventional Sand Filter/ATT <input type="checkbox"/> Other _____
Tank: <input type="checkbox"/> 1,000 gal. <input checked="" type="checkbox"/> 1,500 gal. <input checked="" type="checkbox"/> 2 compartment <input type="checkbox"/> Other _____ <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required	Tank: <input type="checkbox"/> 1,000 gal. <input type="checkbox"/> 1,500 gal. <input type="checkbox"/> 2 compartment <input type="checkbox"/> Other _____ <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required
Distribution Method: <input type="checkbox"/> Equal <input type="checkbox"/> Serial <input type="checkbox"/> Pressurized	Distribution Method: <input type="checkbox"/> Equal <input type="checkbox"/> Serial <input type="checkbox"/> Pressurized
Absorption facility: _____ total linear feet _____ linear feet per 150 gallons projected daily sewage flow _____ " Max Depth _____ " Min Depth	Absorption facility: _____ total linear feet _____ linear feet per 150 gallons projected daily sewage flow _____ " Max Depth _____ " Min Depth

Additional Conditions of Approval

- Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void this approval.
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- The curtain drain must be a minimum of _____ inches deep, and installed in accordance with OAR 340-071-0220 (12).
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- The system must be installed during dry soil conditions only.
- System must be installed between June 1 and October 1, unless otherwise approved by DEQ.

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SITE EVALUATION FIELD WORKSHEET

Township: 6N Range: 10W Section: 03 Tax Reference: T-3301 Parcel Size: _____
 Owner/Applicant: Romaine, Ray Evaluator: CDK
 Inspection Date(s): 12/14/12 Application Number: 413944

DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC...
Pit 1	0-60	S Lt Brown w/ gran. Dry to 60
		No rocks
Pit 2	0-43	Same as #1 Dry
		stony bed in hole
Pit 3		
Pit 4		

Landscape Notes: Conifer Ridge
 Slope: 6-8% Aspect: _____ Groundwater Type: Permeable 60"
 Other Site Notes: Elevated area above surrounding land
- Holes closer to surrounding ground elevation

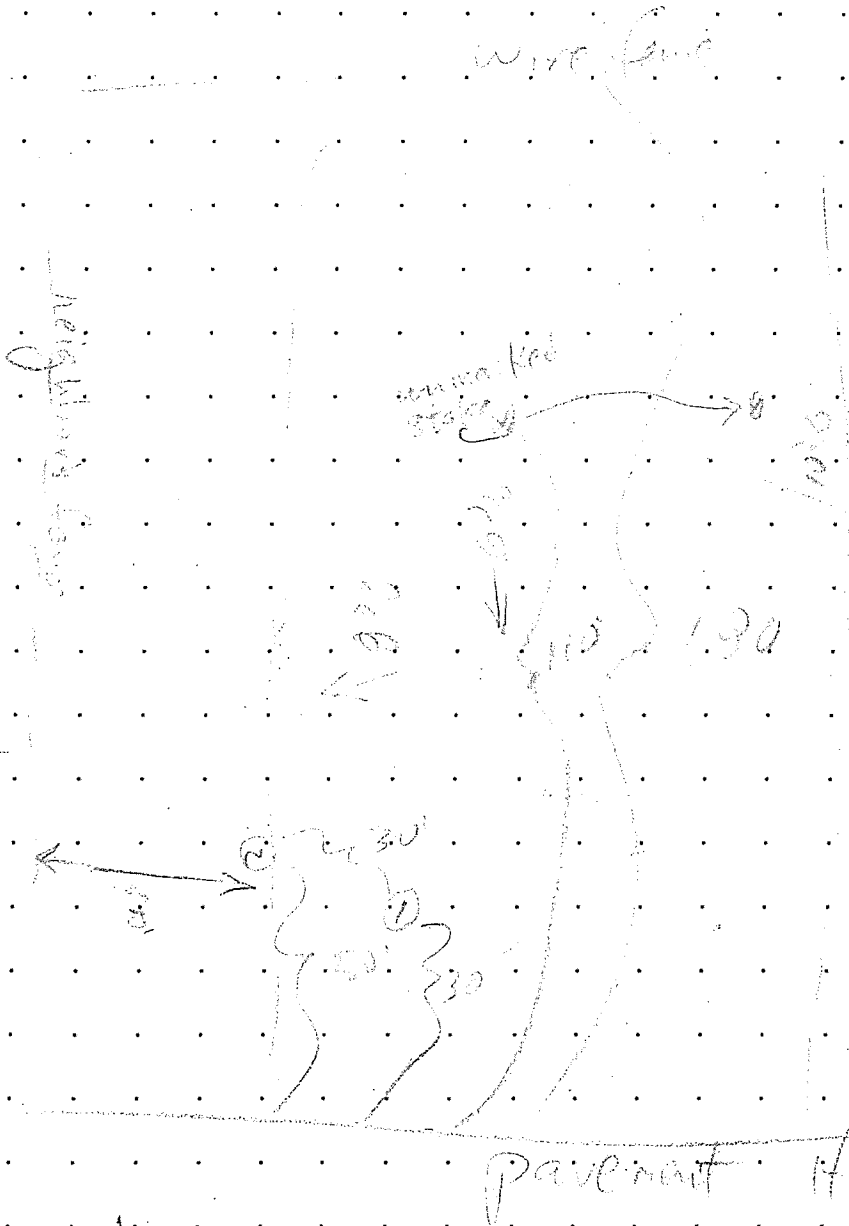
SYSTEM SPECIFICATIONS

Design Flow: _____ gpd
 Initial System: _____ ATT Treatment Standard: _____
 Disposal Facility: _____ linear feet/square feet Maximum Depth: _____ inches Minimum Depth: _____ inches
 Replacement System: _____ ATT Treatment Standard: _____
 Disposal Facility: _____ linear feet/square feet Maximum Depth: _____ inches Minimum Depth: _____ inches
 Special Conditions: Questions - Planning to subdivide Looks OK
for site w/ 150I + 1050SF, Repair

Township: _____ Range: _____ Section: _____ Tax Reference: _____ Parcel Size: _____

Owner/Applicant: _____ Evaluator: _____

Inspection Date(s): _____ Application Number: _____

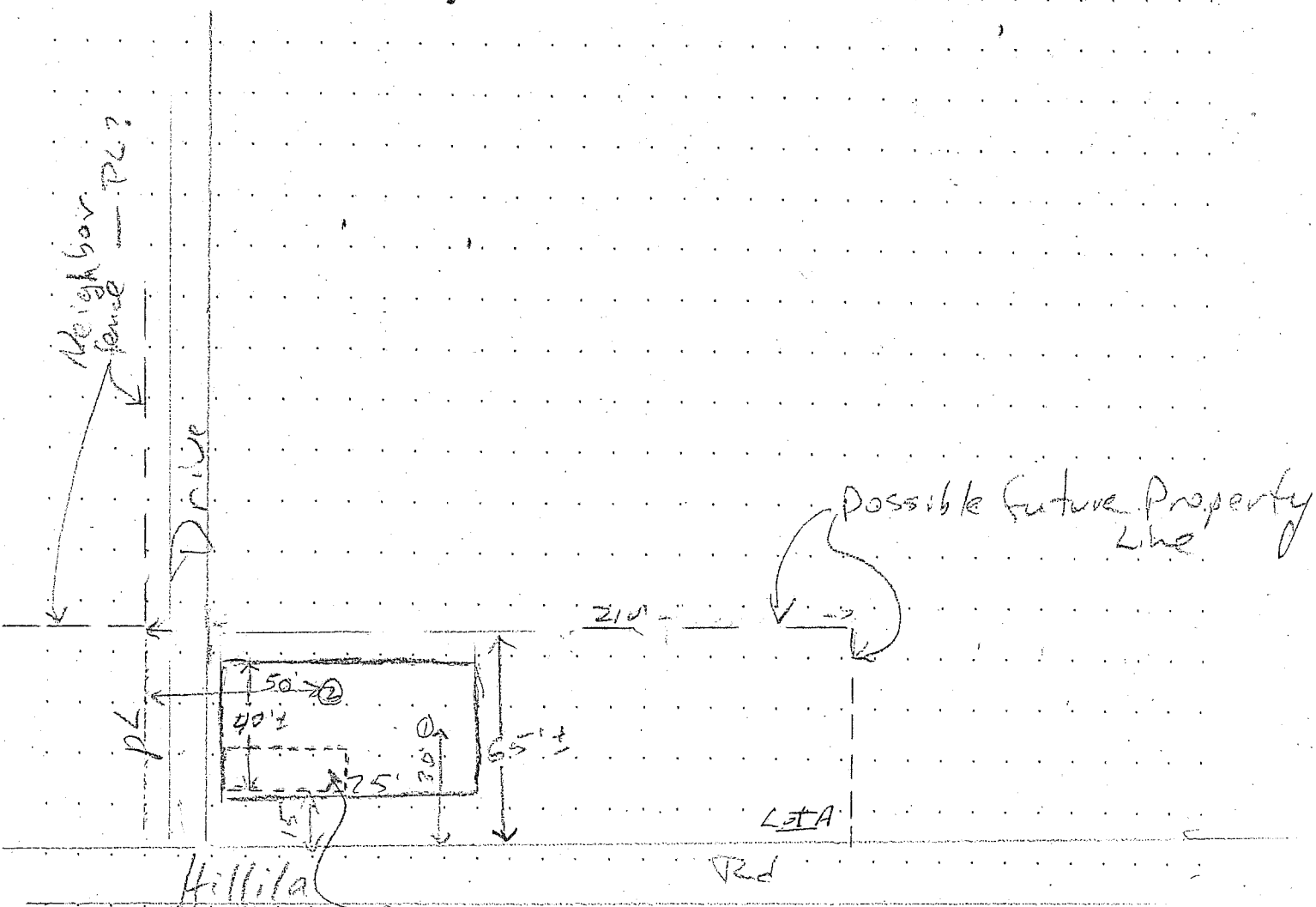


SITE EVALUATION FIELD WORKSHEET

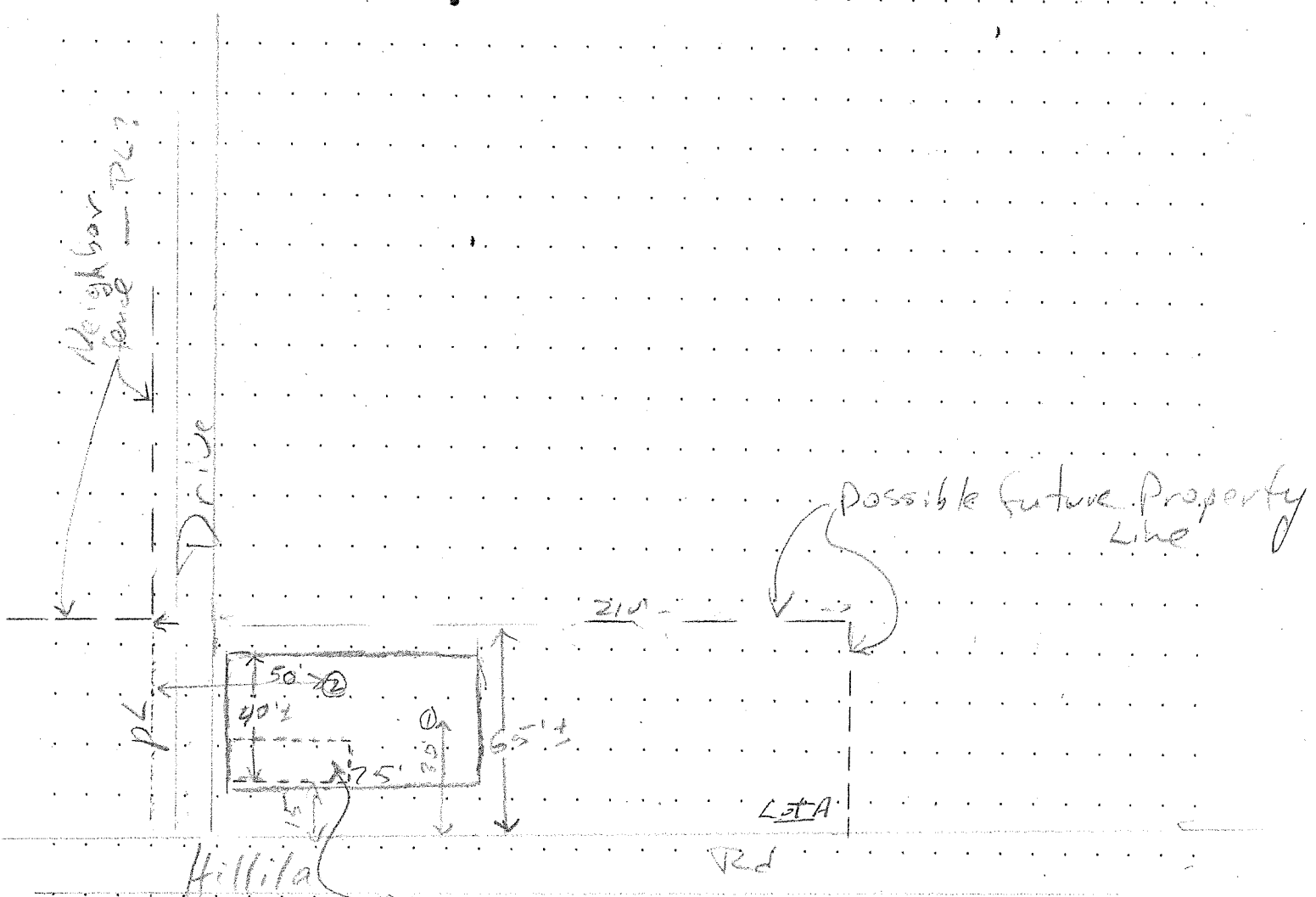
Township: 6N Range: 10W Section: 03 Tax Reference: R3301 Parcel Size: _____

Owner/Applicant: Romaine, Ray Evaluator: CDK

Inspection Date(s): 12/14/12 Application Number: 413944



SITE PLAN



10'x36' Bottomless Sand Filter, Possible Location



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

Date Stamp: **NOV 27 2012**
DEPT OF ENVIRONMENTAL QUALITY
RECEIVED
NORTH COAST BRANCH OFFICE
WARRENTON

For DEQ Use Only:
Date Received 11/27/12
Fee Paid 740
Receipt Number 149797
Application Number 413944
Date of 1st Response _____
Date of 2nd Response _____
Date of Final Response _____
Date of Completion _____
Scanned _____ Data Entry _____

Scan ID 413944

A. Property Owner Information

Ray Romine Name 2170 Skyline Dr Seaside OR Mailing Address (Street or PO Box, City, State, Zip Code) 503-440-9561 Phone Number

B. Legal Property Description

6 Township 10 Range 3 Section 3301 Tax Lot 3301 Tax Account Number .91 Acreage or Lot Size
Clatsop County N/A Subdivision Name A of ABC Lot _____ Block
Property Address: Dune Ln Address Gearhart City OR State 97138 Zip Code
Directions to Property: East on Hilliba one block past Heritage Ln

C. Existing Facility / Proposed Facility / Water Information

Existing Facility: Single Family Residence Other _____
Number of Bedrooms: _____
Proposed Facility: Single Family Residence Other _____
Number of Bedrooms: 3 bed
Water Supply: Public Gearhart Name Private _____
Well, Spring, Shared _____

D. Type of Application

Site Evaluation Renewal Permit Authorization Notice for:
 Construction Permit Existing System Evaluation Connecting to an Existing System Not in Use
 Repair Permit Permit Transfer Replacing a Mobile Home or House with Another Mobile Home or House
 Major Minor Permit Reinstatement The Addition of One or More Bedrooms
 Alteration Permit Personal Hardship Temporary Housing
 Major Minor 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 11/27/12 Date
Ray Romine Applicant's Name - Please Print Legibly 503 440-9561 Applicant's Phone Number romine4@charter.net Applicant's E-mail Address
2170 Skyline Dr Seaside OR 97138 Applicant's Mailing Address

Applicant is the Owner Authorized Representative Licensed Septic Installer
 Authorization Attached Doan Hartman Installer's Name

SCANNED
NOV 27 2012



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

Receipt Number: 149797

NOV 27 2012

NORTH COAST BRANCH OFFICE
Date Received 11/27/2012

Received From **Romine Construction LLC**
(Check Name): **Ray Romine**
2170 Skyline Drive
Seaside, OR 97138

For **T06N R10W S03**
Property **TaxLot 3301 Lot A**
At: **Clatsop County**
Dune Lane
Gearhart, OR 97138

Current Payment

Amount Paid	Payment Type	Check # Money Order # Purchase Order	Bank Number	Amount Applied
740.00	Check	2785	24-22	740.00

Total Amount Applied \$740.00

Onsite Fees	
Base Fee:	680.00
Surcharge Fee:	60.00
Plan Review Flow Fee:	
Pump Evaluation Fee:	
Flow Fee:	
Reinspection Fee:	
Total Fee	\$740.00

Application Description
Application ID: 413944
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:	740.00
Over Payment:	0.00
Total Payments:	\$740.00

Receipt Amount: \$740.00

Received By:

Date of Entry:

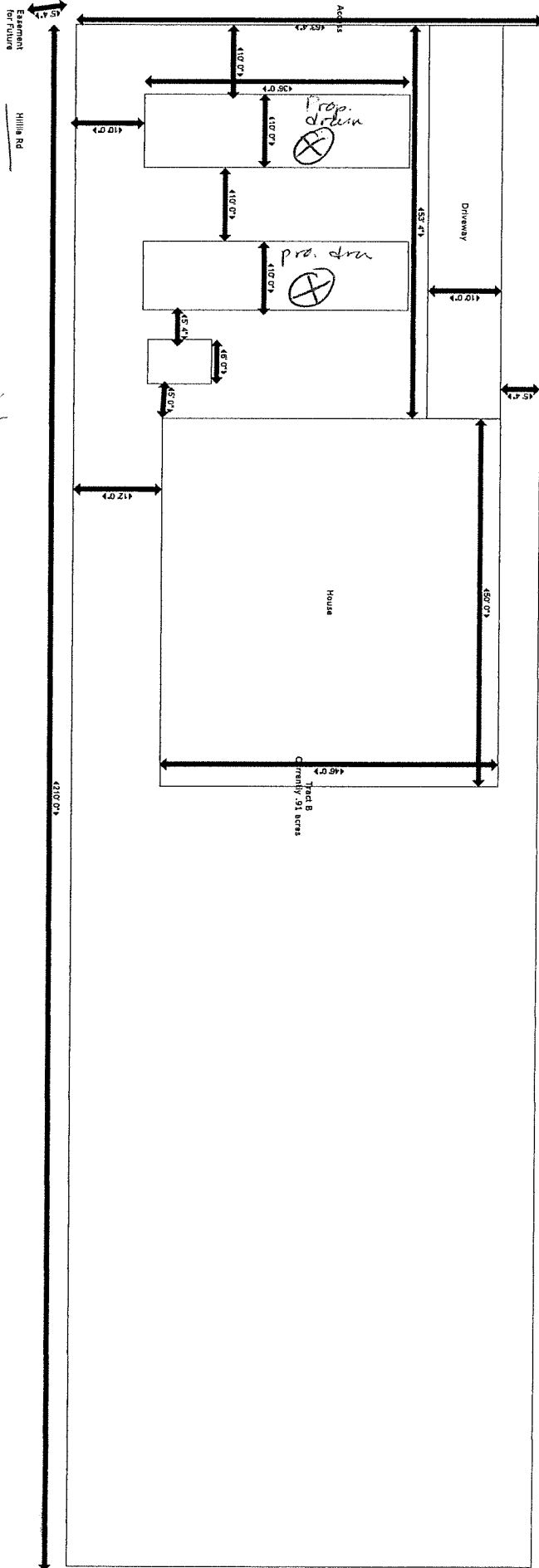
Vicky Schiele

11/27/2012

Dune Ln future private Dr

NOV 9 7 2012

Hillside Road



21

62' x 210'

Paper trail of TaxMapKey numbers

Real Property: 59287

Account Information		Account Classification		Account Miscellaneous	
Account ID:	59287	MA:	3	Potential Liability:	No
Year:	2016	NH:	F	Designated Historic Year:	-
Acct Status:	Active	PC:	101	Senior ID:	
Tax Status:	Assessable	RMV PC:	101	Non Assessable Code:	
Tax Code:	1005	S I Type:		Instrument Id:	201308545

Tax
Appraisal
Document

Account History

Account History:

From Account Id	From Year	From TaxMapKey	(To) Account	To Account Id	To Year	To TaxMapKey
8055	2009	61003BD03300	→	57561	2009	61003BD03301
57561	2014	61003BD03301	→	59287	2014	61003BD03308

