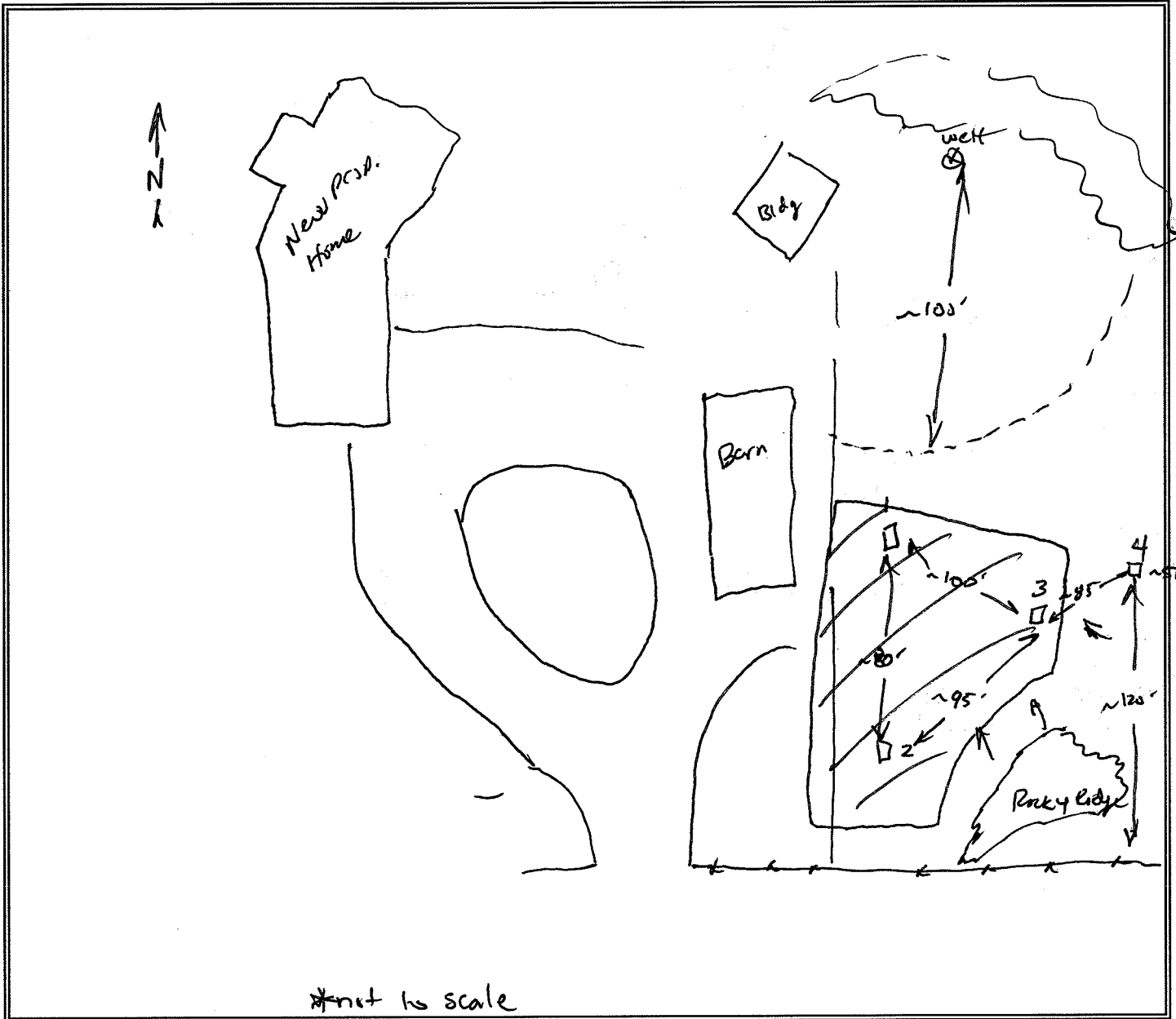




SITE EVALUATION FIELD INSPECTION FORM

Applicant: Lihegan Site Evaluation # _____
 Date: 4/11/14 Subdivision: _____ L _____ B _____ Parcel Size: _____
 Evaluator: TSC T _____ R _____ S _____ TL _____
Suitable **Sketch/Not to Scale** **Unsuitable**



systems approved are the **minimum to meet current DEQ rules and are not design specifications*

System type approved: Standard Absorption facility:
 Initial Standard Min. Size 300' Max. Depth 30 Min. Depth 13
 Replacement Standard Min. Size 300' Max. Depth 30 Min. Depth 13
 Tank Size 1500 - two comp. Sewage Flow 450 GPD
 Special Conditions: Abandon old system



SITE EVALUATION FIELD INSPECTION FORM

1 pt. of 2

Applicant: _____ Alteration Site Evaluation # 247-14-000734

Evaluator: Todd Cleveland Date: 3/10/14 & 3/26/14 Parcel Size: 25.02

Subdivision: _____ T 17 R 12 S 02 TL 400 L _____ B _____

DEPTH	TEXTURE	COLOR	Notes on mottling, roots, structure, layer limiting effective soil depth, % loose rock, etc.
1 0 - 17 217"	IS Basalt		zrf limiting layer, not diggable
2 0 - 6 6 - 30 30 - 56 56 +	IS IS grst + sl Basalt	10YR 7/2 10YR 7/2	3rff; 1msbk 2rff; 1msbk vlf; 2msbk; ~20% stone
3 0 - 7 7 - 30 >30	SI SI Basalt		
4 0 - 19 19 +	SI unfractured Basalt		- limiting
5 0 - 6 6 - (12-24) (12-24)	SI stsl Basalt		irregular soil depth
6 Hole west of Pond 0 - 27 27 - 50	in low area - frequently saturated to ground surface. col fcl		redox to ground surface, conc. red u2d 10yr 4/6 10YR 6/1 w/Fe. M3P Fe conc. 10YR 7/6
7			

Landscape Note: lava plain; irrigated pasture; native area; Sage, rabbitbrush, bunchgrass, juoc
 Slope: 2% Aspect: WSW Groundwater: temp.
 Other site notes: Between pits 2+3 & 2+4 could not dig more than 8 inches to solid basalt
Pits west of the pond are unsuitable because of severe saturation during irrigation season
 Comments: _____

Reason for Unsuitability: (Include Rule Reference) _____



SITE EVALUATION FIELD INSPECTION FORM

Alteration

Applicant: _____ Site Evaluation # 247-14-000734

Evaluator: Todd Cleveland Date: 3/10/14 3/26/14 3/31/14 Parcel Size: 25.

Subdivision: _____ T _____ R _____ S _____ TL _____ L _____ B _____

DEPTH	TEXTURE	COLOR	Notes on mottling, roots, structure, layer limiting effective soil depth, % loose rock, etc.
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1	0-8	cosi		2ft; loose
	8-32	cosi		2ft; loose
	32-43	stsl		1m; 2msbk; ~20% stone
	>43	Basalt/Hard pan		

2	0-9		Similar	
	9-32			
	32-47			
	>47		cemented rock	

3	0-6		Similar	
	6-24			
	24-36			
	>36		cemented Basalt	

4	0-7	cosi	Similar	
	7-24	cosi		
	24-33	stsl		
	>33	Basalt		

5				

6				

7				

Landscape Note: _____ Slope: 2% Aspect: NW Groundwater: not observed
Other site notes: _____

Comments: _____

Reason for Unsuitability: (Include Rule Reference) _____

APPLICATION FOR

INDIVIDUAL SITE
EVALUATION

DESCHUTES COUNTY
COMMUNITY DEVELOPMENT DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
117 NW LAFAYETTE AVE, BEND, OR 97701 (541) 388-6575
737 SW Cascade Ave, Redmond, OR (541) 385-1713

Evaluation Number

247-14-000734-SEP

The following information is required to complete an application for a site evaluation. Please be as accurate and complete as possible.

TOWNSHIP	17	RANGE	12	SECTION	02	TAX LOT	400	LEGAL LOT		ZONING	Farm
SUBDIVISION											
ADDRESS OF PARCEL	64146 Pioneer Loop Bend, OR 97701										
PARCEL SIZE IN SQ FT OR ACRES	25.02	NUMBER OF BEDROOMS	3	WATER SOURCE	well						
NAME OF OWNER	Larry Linegar 541-389-1470			AUTHORIZED REPRESENTATIVE	Darrin Hollyman 541-390-8209						
MAILING ADDRESS	1016 Sweremkan Dr			MAILING ADDRESS							
CITY	Bend	STATE	OR	ZIP	97702	CITY		STATE		ZIP	
COMMENTS/REMARKS											

FOR COMMERCIAL USE ONLY

TYPE OF USE	DAILY FLOW	FEE
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Please answer the following questions:

- Are there any bodies of water on or adjacent to this property?
- Are there existing wells on the property?
- Are there any proposed wells on the property?
- Are there existing wells on adjacent property?
- Will this property be served by a community water supply?
- Are there any encumbrances which could prevent or effect the installation of a subsurface sewage disposal system? (Liens, easements)

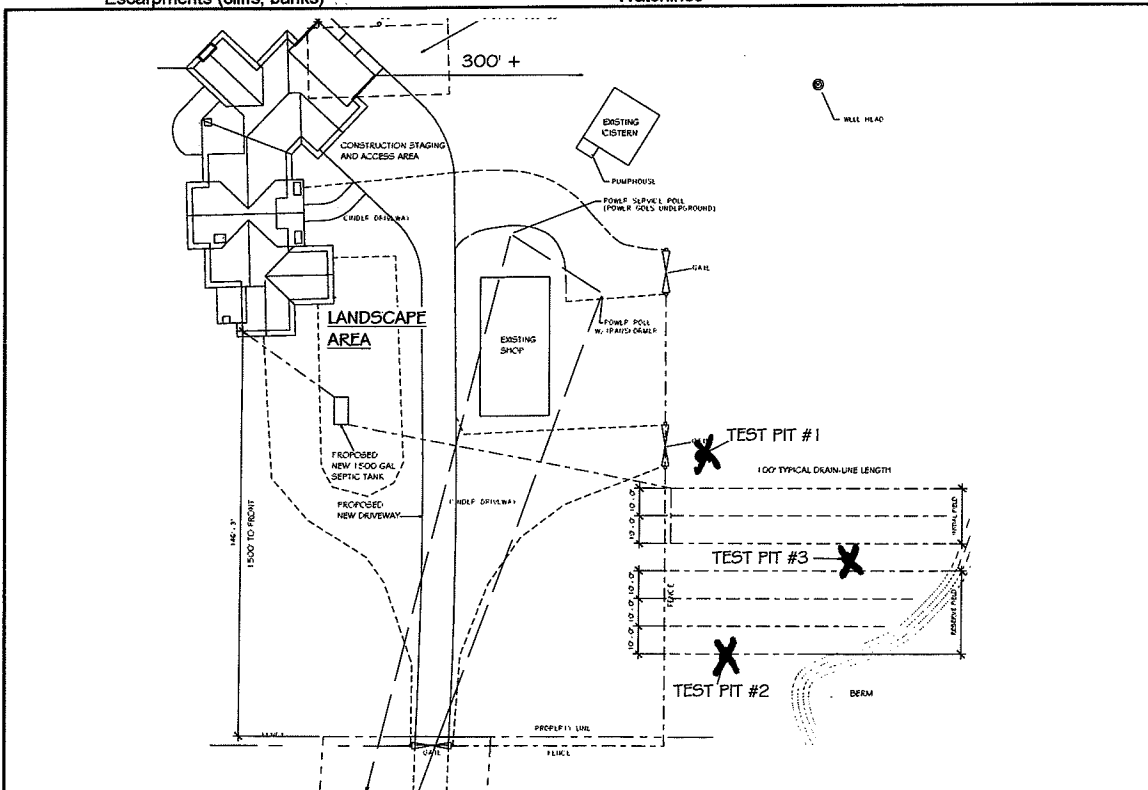
YES	NO
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
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TEST HOLES ARE READY? YES NO

In this area below, sketch the parcel showing the location of:

- Adjoining roads or streets
- Property lines and dimensions
- Location of test pits
- Escarments (cliffs, banks)

- Existing and proposed wells
- All bodies of water (rivers, canals, ponds)
- Wells on adjacent properties
- Reservoirs and/or cisterns
- Waterlines



The Applicant agrees that Deschutes County will not be responsible for any problems or denials resulting from incorrect or incomplete information supplied by the applicant.

READ BEFORE SIGNING

SIGNATURE OF OWNER/AUTHORIZED REPRESENTATIVE

DATE

AMOUNT

x Darrin Hollyman

03/27/2014

SITE EVALUATION APPLICATION

Pump Selection for a Non-Pressurized System - Single Family Residence Project

Parameters

Discharge Assembly Size	1.0FC	inches
Transport Length	260	feet
Transport Pipe Class	40	
Transport Line Size	1.25	inches
Distributing Valve Model	None	
Max Elevation Lift	10	feet
Design Flow Rate	10	gpm
Flow Meter	None	inches
'Add-on' Friction Losses	0	feet

Calculations

Transport Velocity	2.2	fps
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Frictional Head Losses

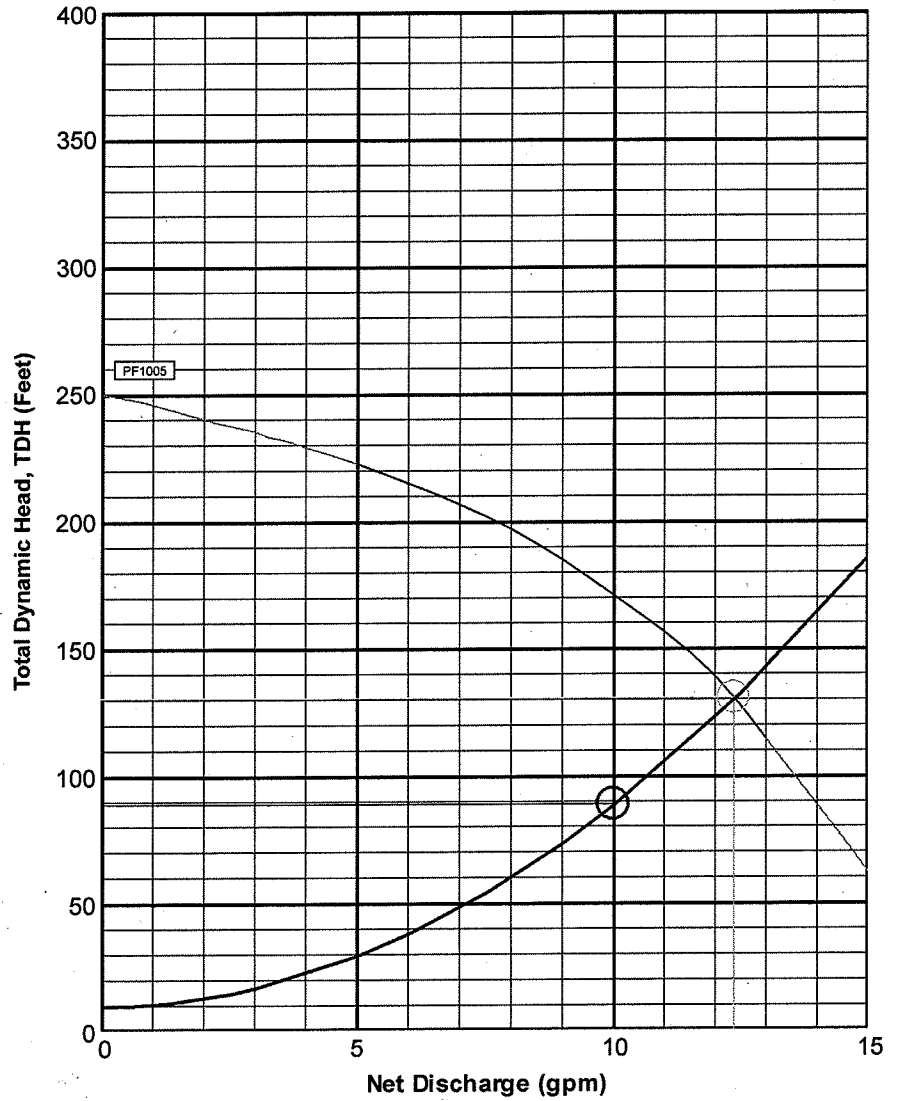
Loss through Discharge	75.0	feet
Loss in Transport	3.8	feet
Loss through Valve	0.0	feet
Loss through Flowmeter	0.0	feet
'Add-on' Friction Losses	0.0	feet

Pipe Volumes

Vol of Transport Line	20.2	gals
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Minimum Pump Requirements

Design Flow Rate	10.0	gpm
Total Dynamic Head	88.8	feet



PumpData

PF1005 High Head Effluent Pump
 10 GPM, 1/2HP
 11 5/230V 1Ø 60Hz, 200V 3Ø60Hz

Legend

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



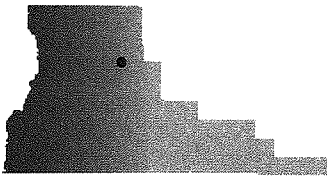
Oreco Systems*
 Incorporated

Changing the Way the
 World Does Wastewater®

64146 Pioneer Loop



Deschutes County GIS. Source: Esri, DigitalGlobe, GeoEye, Earthstar, IGN, USGS, AEX, Geotrapping, Aerogrid, IGN, IGN, Lewis and Clark, and the GIS User Community





Major Alteration per Todd

DESCHUTES COUNTY
COMMUNITY DEVELOPMENT
117 NW Lafayette Avenue, Bend, OR 97701
Telephone (541)388-6575, Fax (541)385-1764

Permit # 247-14-000734 SEP

Authorization Notice Application → MAJOR AL

An Authorization Notice is a process to determine if an existing onsite wastewater treatment system (septic system) is adequate for a specific proposed use. Authorization is required when 1) placing an existing system greater than five years old into service, 2) re-connecting to an existing system (i.e. replacing a manufactured home), or 3) changing the use of or increasing the projected daily sewage flow into an existing onsite wastewater treatment system. (i.e. bathroom in a shop)

Property Address: 64146 Pioneer Loop Bend, OR 97701

Contact Name: Darrin Hollyman Phone: 541-389-1070

Note: If adequate septic records do not exist, you may be required to expose the entire top of a septic tank, junction boxes, the beginning and end of each drain line, and/or dig test pits.

Items needed to process this application:

- A completed application form with correct fee.
- Two detailed site plans which show all existing and proposed development including *all* existing septic systems and potential replacement areas with distances and setbacks indicated.
- If the property is in a city, then attach a "Building Permit Release/Septic Authorization" form signed by the city planning and engineering staff. Land use approval is required prior to granting authorization.

Existing uses connected to the existing septic system:

Primary dwelling: sq. ft. 2905 # bedrooms 3 # bathrooms 4 total occupants 2

Describe other structures & their uses currently connected to the existing system:

EXISTING Dwelling... to be demo

Proposed additions: Replacement Residence

Primary dwelling, total (after additions/changes): sq. ft. 3649 # bedrooms 3
bathrooms 4 total occupants 2

Describe other structures & their proposed use to be connected to the existing onsite system:

Check what is planned or expected below: (Note: existing steel tanks must be replaced)

- Use existing system as-is. (No existing steel septic tank)
- Use existing system but replace existing steel septic tank (include on plot plans)
- Alter the existing system other than a tank replacement
- Install a complete new septic system

math's LUCAN DEQH 38734

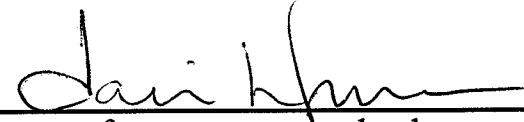
Note: If it is determined that a new system (or alteration of the existing system) is required, then please be aware that additional permit fees may be required.

Sewage Ejector Pump (existing or proposed):

A sewage ejector pump is a plumbing fixture that lifts sewage to the septic tank. If a sewage ejector is present or necessary this affects the septic tank requirements. Please include this information in the application. *Is a sewage ejector pump present or proposed for this project? Yes or No*

Commercial Use:

If the existing or proposed use is for a potential commercial use (e.g. dog kennel operation, child daycare, warehouse business, home occupation (such as for retailing food, hair salon, or other business), then please include a detailed description of the existing and proposed uses on separate paper. If the use is changing from a residential to a commercial use, then please attach a detailed description including information about the proposed operation, number of employees and specific information regarding wastewater characteristics and the size of the flow.

* 

Signature of property owner or legal representative

Darrin Hollyman

Printed name of property owner or legal representative

Date application signed: 02/20/2014

***Signor affirms that all information provided in this application is complete and accurate and does not contain omissions.**