COLUMBIA COUNTY
1854
OREGON

DEPARTMENT OF LAND DEVELOPMENT SERVICES
230 Strand, Columbia County Courthouse, St. Helens, Oregon 97051
Phone: (503)397-1501 Fax: (503)366-3902
www.CoColumbia.or.us

October 2, 2008

Harve Dethlefs
120 N. Main St.
Banks, OR 97016

EVALUATION REPORT FOR AN ON-SITE
SEWAGE DISPOSAL SYSTEM

SUBJECT Map: 6N-2W-11-000-00102
Receipt: 60474

Acreage: 37.80
File #: LOV09-010

I have made an evaluation of a proposed sewage disposal system construction site to support a single family residence on the above described property.

Based on the results of this study, sewage disposal appears feasible through the construction of a STANDARD SEWAGE DISPOSAL SYSTEM, as described in the attached site drawing and construction detail reports.

Before construction of a subsurface sewage disposal system can take place, A PERMIT MUST BE PURCHASED FROM COLUMBIA COUNTY LAND DEVELOPMENT SERVICES. Only the property owner or a licensed installer can construct a subsurface sewage disposal system or part thereof. A detailed, to-scale plot plan of the proposed development and list of construction materials must be submitted with the permit application.

Please note that this approval is site specific to the area tested and does not address the feasibility of locating the system elsewhere on the property. Should you wish to relocate the disposal system, a new evaluation(with appropriate fees) will be required.

This approval is limited to a dwelling of FOUR bedrooms maximum. The definition of "bedroom" means any room within a dwelling which is accepted as such by the local authorized building official.

This approval will remain valid until the system is installed and approved. Conditions on this property or adjacent properties are not to be changed in any manner conflicting with applicable State rules which would prohibit issuance of a permit. Partitioning or subdivision of this property, alteration of the natural conditions in the area of approval and/or water well development on this or adjacent properties may void this approval.

Technical rule changes which take place after the date of this report will not invalidate this approval, except that construction standards may be changed to meet codes applicable at the time of permit issuance.

The approval of this property and the conditions set forth in this letter in no way waive requirements as may be set by the zoning of the area. A permit to construct a system on this property will be subject to the review and approval of Columbia County Land Development Services.

You are cautioned not to place commercial, or other septic system cleaners or additives in your disposal system; doing so could increase the drainfield clogging potential, as well as kill the internal organisms necessary for proper operation. This warning is given with full knowledge of product statements to the contrary.

To prevent accidental injuries, this office recommends the test holes be filled.

If you have any questions, feel free to call.

Sincerely,

Erin O'Connell
Environmental Services Specialist

cc: M.E. Moore

STANDARD SYSTEM CONSTRUCTION DETAIL REPORT
(This is not a Construction Permit.)

October 2, 2008

Name: Harve Dethlefs

Subject: 6N-2W-11-000-00102 Acreage: 37.80
Receipt: 60474 File #: LOV09-010

Your site has been found suitable for a STANDARD ON-SITE SEWAGE DISPOSAL SYSTEM. The following construction specifications shall apply.

Prior to the installation of the disposal system, a sewage disposal construction permit must be obtained from the department of Land Development Services. Included in this permit process is to be a to-scale plot plan of system placement and a complete materials inventory of proposed system components.

The septic tank shall have a minimum liquid capacity of 1000 gallons. A 1500 gallon tank is recommended. Garbage disposal use is not recommended.

For your proposed development, a minimum of 375 linear feet of disposal trench is required. Disposal trenches shall be constructed 2 feet wide on 10 foot minimum centers with no line exceeding 150 feet in length. The trenches and perforated pipe shall be installed within one inch of level and contoured to the natural ground surface.

The drainfield shall be constructed in Serial distribution with a maximum trench depth of 27 inches and a minimum trench depth of 24 inches. There must be at least 12 inches of backfill over the top of the drain media, measured from the ground surface.

A groundwater interceptor is required as part of this system. This interceptor must be constructed 12 inches wide by 42 inches deep with 30 inches of clean gravel placed over a 4 inch perforated pipe with filter fabric covering the gravel. A PVC sheet shall be placed against the lower sidewall trench area to eliminate infiltration of water. A minimum 10 foot setback must be maintained from the drainfield and be exhausted by a non-perforated line below and away from the entire system.

An effluent pump may be a necessary component of this system in order to construct the drainfield in the approved area and at the correct depth. An electrical permit is required to insure correct installation of the pump, alarm & electrical components.

For the above described system, adequate area must be available for the original, as well as a complete replacement system. The replacement system is to be constructed in the replacement area if the original system fails and cannot be repaired.

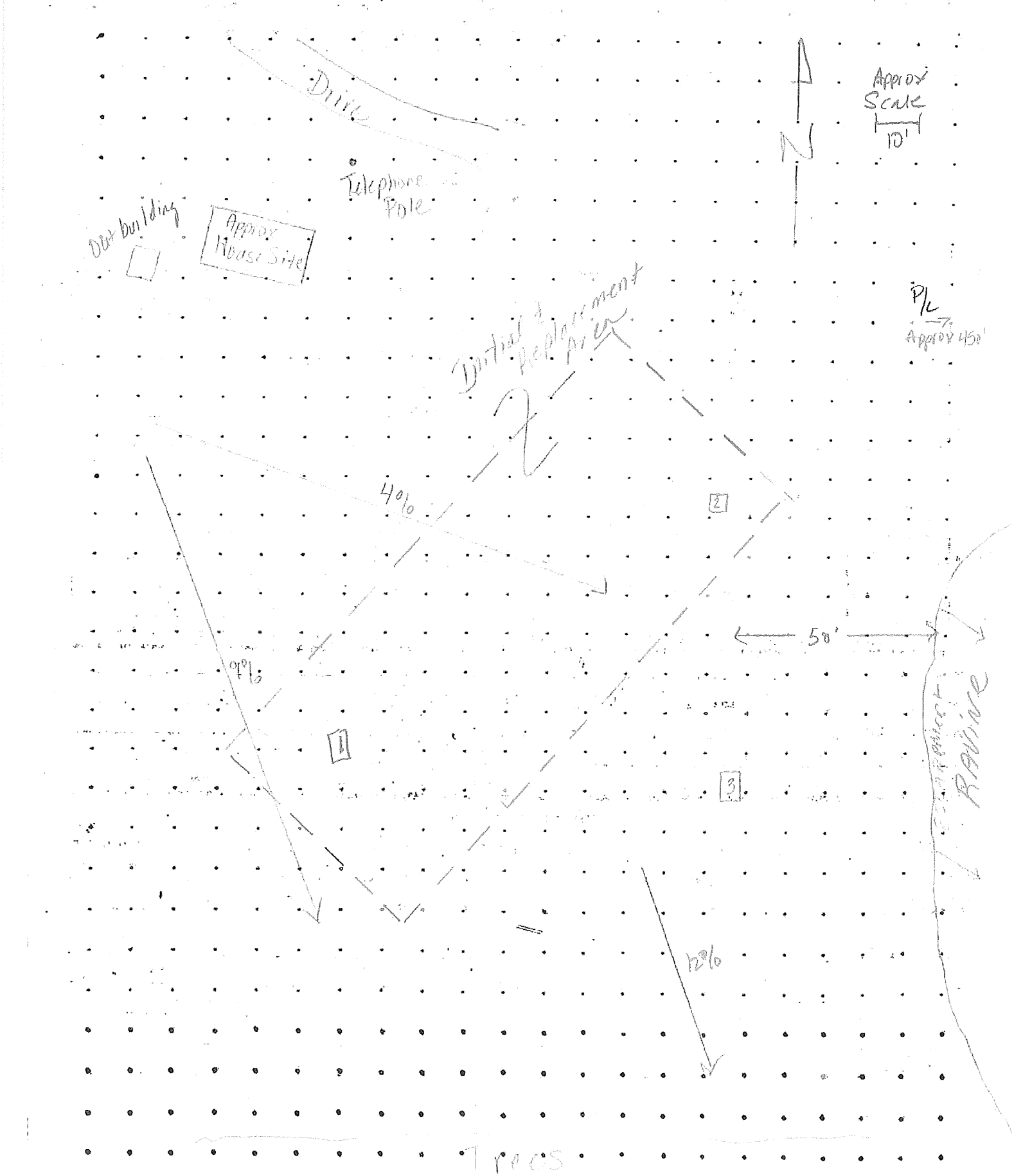
A minimum separation distance of 100 linear feet is to be maintained between the disposal area and any wells and/or surface waters such as creeks, bogs, lakes or ponds.

A minimum separation distance of 50 linear feet is to be maintained between the disposal field and the escarpment.

The disposal site must be protected from livestock, vehicular traffic and/or other damaging encroachments.

Tax Reference: 621-000-0002 Evaluator: P O'Connell

Applicant: Marie Dethlefs Date: 2/17/03



SITE EVALUATION FIELD WORKSHEET

Tax Reference _____ Evaluator _____

Applicant Wilke Development Date _____ Parcel Size 37.8

	Depth	Texture	Soil Matrix Color and Mottling (Notation), % Coarse Fragments, Roots, Structure, Layer Limiting Effective Soil Depth, etc.
Pit 1	0-15	SiL	10YR 5/3 [illegible] few roots
	15-25	SiL	10YR 5/3 [illegible] few roots (mottles 10YR 5/6 redox)
	25-39	CL	10YR 5/3 [illegible] few roots (mottles 10YR 5/6 redox)
	39-49	SiL	10YR 5/3 [illegible] few roots (mottles 10YR 5/6 redox)
Pit 2	0-14"		
	14-27"		few roots
	27-35"		
	35-43"		
Pit 3	0-14"		
	14-24"	Similar	
	24-33"		
	33-46"		
Pit 4			

Landscape Notes Open field; 5% slope

Slope 4-12% Aspect SE Groundwater Type Temporary @ 24-27"

Other Site Notes Mole activity; Banks possible unstable landform

Weather

SYSTEM SPECIFICATIONS

Type System:

Initial Standard Design Flow 450 gpd Disposal Field Size 375 Linear Feet

Replacement Standard System Sizing 125 /150 g. Max. Depth Absorption Facility (in) 24"/27" Serial

System Sizing 125 /150 g. Max. Depth Absorption Facility (in) 24"/27" Serial

Special Conditions * 100' setback from any well; 50' from escarpments

→ Curtain drain 42" depth, 30" gravel

→ Recommend wire mesh under trenches

PLOT PLAN ON REVERSE SIDE