



Klickitat County Health Department

*To preserve, promote, and protect
the health of all people in Klickitat County*

ON-SITE SEWAGE DISPOSAL SYSTEM APPLICATION

Klickitat County Health Department

Goldendale Office
228 W Main MSCH-14
Goldendale, WA 98620

Phone (509) 773-4565 FAX (509) 773-5991

White Salmon Office
501 NE Washington/PO Box 159
White Salmon, WA 98672

Phone (509) 493-1558 FAX (509) 493-4025

Business Hours: Monday through Friday, 8:00 a.m. to 5:00 p.m.

1. Apply for an on-site septic system. The appropriate fee and the following information must be included with the application.
 - Tax parcel number for the lot
 - Site address and directions to the site
 - Phone number(s)
 - Detailed plot plan (see sample plot plan)
2. Dig the testholes on the lot at the location of proposed drainfield. A replacement area must be identified. Once the holes are dug, please call the health department and inform them, or you can have an option of having a health official on site while the holes are being dug.
3. Please mark and label **all** of the following:
 - Proposed house site corners and plumbing stub out location (i.e. where the plumbing exits the building).
 - Proposed well site
 - Property lines and/or corners
 - Driveway location
4. Health Department officials will evaluate soils in the testholes and complete the site review.
5. **You may design the on-site septic system yourself (if a conventional / gravity flow system is allowed) or you may hire a Licensed Designer or Professional Engineer to complete the design. Klickitat County Health Department requires that all "Alternative" septic systems be designed by a Licensed Designer or a Professional Engineer. Submit the completed design to the health department for review.**
6. Health Department officials will complete the design review and approve or deny the design. Once the design is approved a permit will be issued.
Installation of the septic system cannot start until the permit is issued.
7. When the system installation is complete, contact the health department for a final inspection and an ok to cover.
8. An "as-built" will then be submitted to be placed in a permanent file for future reference.
9. Fee for a site evaluation is \$150. Plan review and permit for a standard gravity are \$160. Plan review and permit for an alternative system are \$210. Replacement permits will be issued for tanks and entire systems replacements. Homeowner site evals are \$175 with homeowner plan review and permits are \$185. Repair permits are \$100, while the tank replacement fee is \$50.

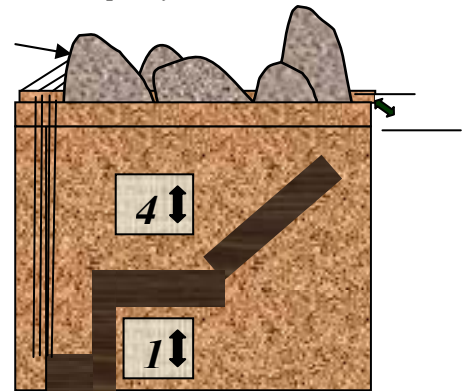
SITE AND SOIL EVALUATION

The first step in determining whether a lot or parcel of land is "buildable" is to have a **Site and Soil Evaluation** done (also known as soil certification, perk test, check testholes). Soils are not the only thing evaluated while at the property. Other factors that must be checked while on-site are slopes, cut banks, wells, surface waters (including irrigation and drainage ditches), driveways, easements, underground utilities or anything that may affect the installation and/or operation of a septic system.

An on-site septic system can be designed for most lots or parcels. The limiting factors are usually soil depth and cost. A gravity flow (conventional) on-site septic system requires a minimum of 4 feet of suitable soil. (A 3 foot separation between the bottom of the drainfield trench and an impermeable layer or groundwater is required.) Sites with slopes exceeding 15 percent may require deeper soil depths for a gravity flow septic system. A site with less than 4 feet of soil requires an alternative septic system.

The soil information gathered during the evaluation of testholes is called a **soil log**. This information is used to determine the location, type and size of the septic system, drainfield and replacement area. When evaluating soils in testholes Health Department officials must determine the type(s), as well as the depth of the soil at the site. Because different soils absorb water at different rates, soil type determines the size of the drainfield necessary to properly treat and dispose of the wastewater. Soil depth determines the type of system that can be installed at the site (i.e. standard trench, shallow-pressurized, sand filter, etc.).

A minimum of two (2) testholes **must** be dug for **each** proposed drainfield site and replacement area. Some sites may require additional testholes. The testholes are to be located in the area where the proposed system is to be located. They should be located approximately 50 to 75 feet apart and be dug to a depth of 5 feet. **Testhole excavation should be stopped at a shallower depth if hardpan, bedrock, or groundwater is encountered.**



The following definitions may help you better understand this information:

DEFINITIONS:

ALTERNATIVE SYSTEM: An on-site sewage system other than a gravity flow system. Properly operated and maintained, alternative systems provide equivalent or better treatment performance as compared to gravity flow systems. Generally all alternative systems require the use of effluent pumps and are pressure-dosed.

GRAVITY FLOW SYSTEM (CONVENTIONAL): An on-site sewage system consisting of a septic tank and drainfield, with the effluent from the tank being distributed to the drainfield by gravity flow.

EFFLUENT: The wastewater (sewage) after treatment by the septic tank.

SOIL LOG/SOIL PROFILE: A detailed description of soil texture, structure and other soil characteristics encountered in a soil profile pit or testhole. The log provides information on the soil's ability to act as a treatment medium for effluent.

TESTHOLE/PERK: (aka soil profile pit) A testhole is a hole dug into the ground to expose the profile of the soil so the different soil types and layers can be evaluated and logged. A testhole is best dug with a backhoe. (Another name often used, but no longer accurate, is perk hole.)

Are Test Holes Ready? Yes No (call when ready) I would like to schedule to have EH Specialist on site while holes are being dug

ON-SITE SEWAGE DISPOSAL SYSTEM SITE EVALUATION APPLICATION

Name of Applicant _____

Mailing Address _____
Street City State Zip

Phone number _____ Alternate Number _____

Are you the present property owner? yes no If no, name of present owner _____

Has this site been evaluated before? yes no

If yes, when and who evaluated it _____

SITE Address _____

Lot size _____ acres lot number _____

Detailed directions to site

Type of Structure residence with _____ number of bedrooms
 non-residential, type and usage of structure _____

Water Supply Individual well
 Shared well
 Public water supply, Name of water system _____

TAX PARCEL NUMBER: _____ - _____ - _____ - _____ / _____

Do you plan to install the system yourself? Yes No

Applicant Signature _____ Date _____

HEALTH DEPARTMENT OFFICE USE ONLY

Date received _____ Rcpt # _____ ID # _____

APPOINTMENT: Date & Time _____

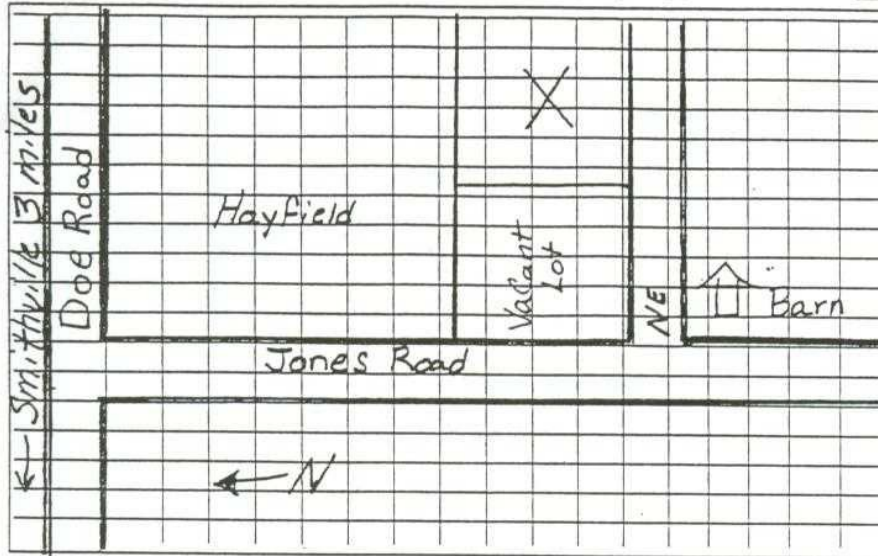
Minimum Horizontal Setbacks

Items requiring setback	From edge of disposal component and reserve area	From septic tank, containment vessel, pump chamber, and D box and holding tank.	From building sewer, collection and non perforated distribution line.
Non public well or suction line	100 ft	50 ft	50 ft
Pubic drinking water well	100 ft	100ft	100 ft
Public drinking water spring ³	200 ft	200ft	100 ft
Spring or surface water used as drinking water source. ^{2,3}	100 ft	50ft	50ft
Pressurized water supply line ⁴	10 ft	10ft	10ft
Properly decommissioned well ³	10 ft	N/A	N/A
Surface water ² Marine water Fresh water	100 ft	50ft	10ft
Building Foundation ⁶	10 ft	5 ft	2 ft
Property or easement line ⁶	5 ft	5 ft	N/A
Interceptor/curtain drains/ drainage ditches, Down gradient ⁷	30 ft	5 ft	N/A
Upgradient ⁷	10 ft	N/A	N/A
Down gradient cuts or banks with at least 5 ft of original, undisturbed soil above a restrictive layer due to a structural or textural change.	25 ft	N/A	N/A
Down gradient cuts or banks with less than 5 ft of original, undisturbed soil above a restrictive layer due to a structural or textural change.	50 ft	N/A	N/A

1. "Building sewer" as defined by the most current edition of the Uniform Plumbing Code. "Nonperforated distribution" includes pressure sewer transport lines.
2. If surface water is used as a public drinking water supply, the designer shall locate the OSS outside of the required sanitary control area.
3. Measured from the ordinary high-water mark.
4. The local health officer may approve a sewer transport line within ten feet of a water supply line if the sewer line is constructed in accordance with section 2.4 of the department of ecology's "Criteria For Sewage Works Design," revised October 1985, or equivalent.
5. Before any component can be placed within one hundred feet of a well, the designer shall submit a "decommissioned water well report" provided by a licensed well driller, which verifies that appropriate decommissioning procedures noted in chapter 173-160 WAC were followed. Once the well is properly decommissioned, it no longer provides a potential conduit to ground water, but septic tanks, pump chambers, containment vessels, or distribution boxes should not be placed directly over the site.
6. The local health officer may allow a reduced horizontal separation to not less than two feet where the property line, easement line, or building foundation is up-gradient.
7. The item is down-gradient when liquid will flow toward it upon encountering a water table or a restrictive layer. The item is up-gradient when liquid will flow away from it upon encountering a water table or restrictive layer.

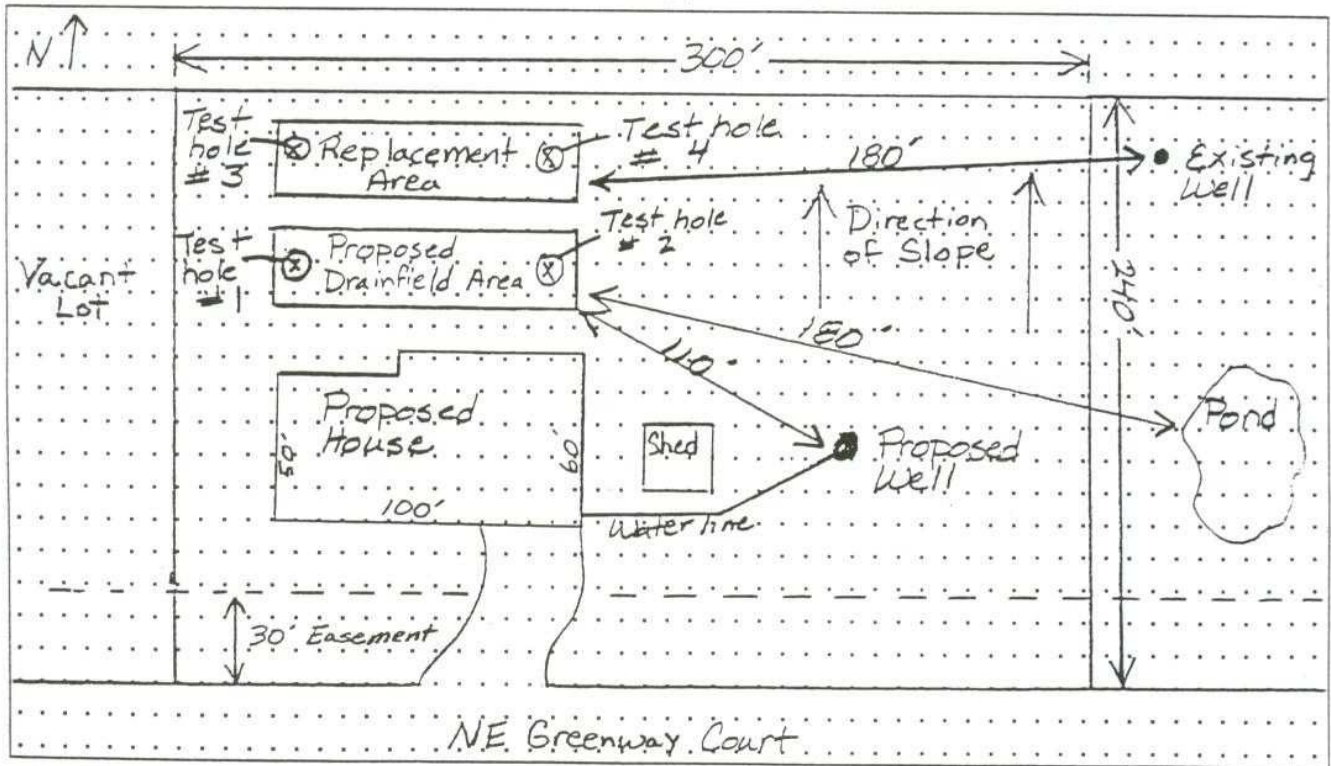
Klickitat County Health Department Site Plan

Vicinity Sketch (show directions to your property) Tax Parcel # 12-34-5678-9101



- Indicate On Sketch**
- Identify wetlands within 300 feet of septic system *NA*
 - Identify 100-year floodplains *NA*
 - Building Size and Location (all structures)
 - Driveway
 - Water Systems and Pipes
 - Domestic Drinking Water Supplies within 100 ft of property line (spring, etc.)
 - Bodies of water within 200 ft of property (including seasonal)
 - Property size, property lines
 - Distance of building from property lines and other buildings
 - Adjacent roads (including names)
 - General Area intended for sewage system, and reserve area.
 - Location of test holes (please number on site plan as well as at the site)
 - Indicate which direction is north
 - Show all legal Easements, Rights of Way, & designated high water marks
 - Surface drainage (show direction of slopes)

Draw Site Plan Below (How you plan to use the property) See indicators above
If parcel is two acres or smaller, plan must be to scale



This information is a true and correct representation of the project to the best of my ability.

Signed X _____ Date _____

Revised 4/01