

# Soil and Site Evaluation for OSS



**Please Note: The application for site evaluation is a \$275 fee. A complete application and payment is expected prior to service.**

The Health Department will only accept complete applications for processing. Before you apply, ensure you have acquired your parcel number from the Assessor's office. You can contact them at (509) 773-3715.

The first step is to hire an excavator to dig the perc holes. If you have the equipment, you may dig the holes yourself. **Dig two holes for the primary drainfield area and two holes for the reserve area.** Once the holes are dug, contact the Health Department for a soil evaluation. You can also ask to have the sanitarian present during the excavation of the holes. Remember to call **811** for locates before you dig!

The sanitarian will evaluate the soils and the home-site for the appropriate location and type of septic system.

The next step is to design your system. After you have received your site evaluation results from the Health Department you can begin your design. Please Note: **The homeowner may only design the system if it is approved for a standard or conventional gravity system. If the site was NOT approved for a gravity flow system, a licensed designer or licensed engineer will have to design your septic system. All system types and designs must be submitted to the Health Department for review.**

After the design has been reviewed and approved, a permit will be issued. **The permit is valid for one year** from the issue date. Installation of the septic permit is **NOT ALLOWED** until the permit is issued.

When the system installation is complete, contact the Health Department for a **"Final Inspection"** and an **"ok to cover."**

An **"as-built"** record must be submitted to be added to a permanent file and necessary before building occupation.

For a complete application, the following information must be provided on this application;

- Tax parcel number
- Site address and directions to the site
- Primary contact information
- A detailed site plan (sample provided)

We also ask that you clearly flag, stake, or mark the following areas;

- Proposed house location or additional structures
- Proposed well location (if applicable)
- Property lines
- Driveway location

**-Continue to the next page-**

Goldendale Office  
228 West Main Street  
MS-CH 14  
Goldendale, WA 98620  
509-773-4565

Klickitat County Health Department  
Monday-Friday, 8am to 5pm

White Salmon Office  
501 NE Washington St/ PO Box 159  
White Salmon, WA 98672  
509-493-1558

# Soil and Site Evaluation for OSS



## Applicant Information

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

## Property Information

Parcel Number: \_\_\_\_\_

Site Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Directions to the property:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Acreage or Lot Size: \_\_\_\_\_ Water Supply:  Private

Public

If public, system name: \_\_\_\_\_

### System Information

### Building Type

- New System
- Repair
- Land Division (provide map)

- Alteration
- Failure

- Single Family
- Multiple Family
- Commercial

\_\_\_\_\_ # of Bedrooms

By signing this application, I certify the information I have furnished is correct, and grant Klickitat County Health Department staff permission to enter the above listed property for the purpose of this application.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### HEALTH DEPARTMENT USE ONLY

Date Received: \_\_\_\_\_ Receipt #: \_\_\_\_\_ ID #: \_\_\_\_\_ Test Holes Ready? \_\_\_\_\_

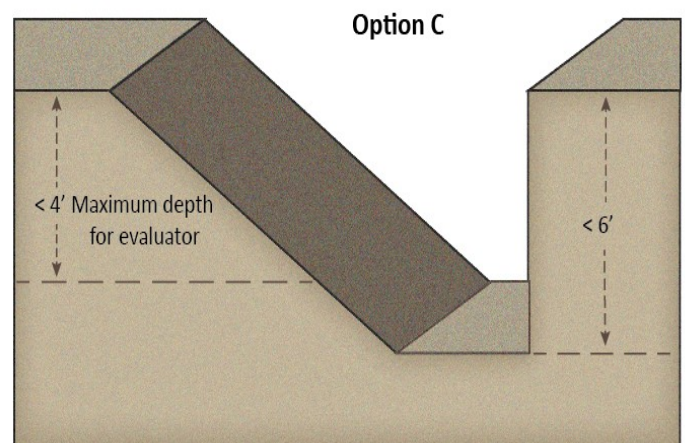
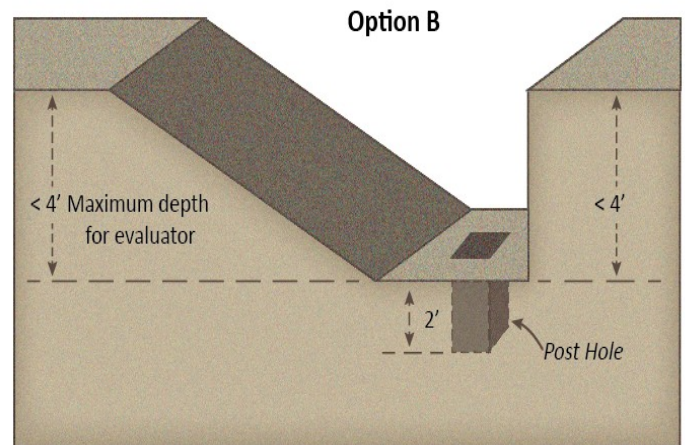
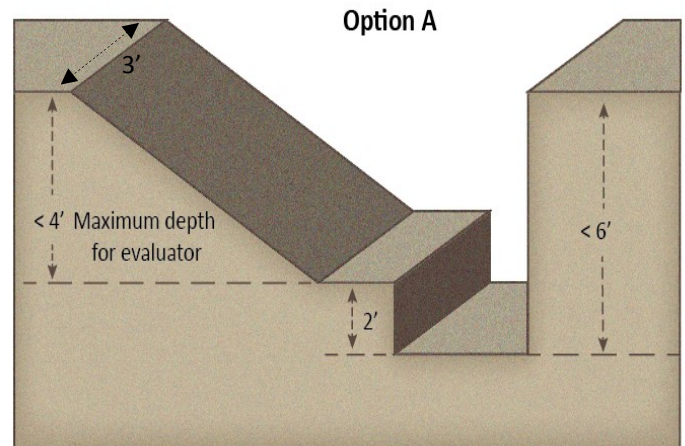
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## Test Pit Construction Guidelines

- A soil and site evaluation is the first step to determine whether a lot or parcel is “buildable.” Other names for a the soil test and site evaluation include; perc test, soil certification, or test-holes. The soils are not the only thing evaluated during the site evaluation but are the most important for sewage treatment. Other things noted in the site evaluation may include; wells, surface water, property lines, easements, covenants, slope, cut banks, driveways, underground utilities, or anything that may affect the installation or operation of an on-site septic system.
- Remember to **call 811** before you dig to locate any possible underground utilities.
- All test pits must be evaluated by a competent person per **WAC 296-155-657**. Test pits deemed unstable will not be entered by the sanitarian. Regardless of soil type, any test pit that shows significant cracks or fissures is unsuitable.
- Every test pit **MUST INCLUDE A RAMP** to allow safe entry into the test pit. For large on-site sewage systems (LOSS) and excavator must be on site.
- Test pits shall not be left open for an extended amount of time unless properly barricaded per L&I regulation. An example of a properly barricaded test pit would include orange construction fencing surrounding the entire test pit and secured by metal fence posts.
- The information gathered during the evaluation of the test pits is called a **Soil Log**. The information provided by the site evaluation report is used to determine the location, type, and size of the septic system.
- Different types of soils absorb water at different rates and soil type will determine the size of the drainfield needed to properly treat and dispose of harmful pathogens before it reaches the groundwater table. Depth of the soil type will determine what type of system will be allowed (i.e. standard gravity, shallow-cap, pressurized, sand filter, etc.).



# Soil and Site Evaluation for OSS



## Minimum Horizontal Setbacks

Items Requiring Setback	From edge of soil dispersal component and reserve area	From sewage tank and distribution box	From building sewer and non-perforated distribution pipe
Well or suction line	100 ft.	50 ft.	50 ft.
Public drinking water well	100 ft.	100 ft.	100 ft.
Public drinking water spring measured from the ordinary high-water mark	200 ft.	200 ft.	100 ft.
Spring or surface water used as drinking water source measured from the ordinary high-water mark	100 ft.	50 ft.	50 ft.
Pressurized water supply line	10 ft.	10 ft.	10 ft.
Decommissioned well (decommissioned in accordance with chapter 173-160 WAC)	10 ft.	N/A	N/A
Surface water measured from the ordinary high- water mark	100 ft.	50 ft.	10 ft.
Building foundation/in-ground swimming pool	10 ft.	5 ft.	2 ft.
Property or easement line	5 ft.	5 ft.	N/A
Interceptor/curtain drains/foundation drains/drainage ditches			
Down-gradient*:	30 ft.	5 ft.	N/A
Up-gradient*:	10 ft.	N/A	N/A
<b>Other site features that may allow effluent to surface</b>			
Down-gradient*:	30 ft.	5 ft.	N/A
Up-gradient*:	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
Other adjacent soil dispersal components/subsurface storm water infiltration systems	10 ft.	N/A	N/A

\*The item is down-gradient when the liquid will flow toward it upon encountering a water table or restrictive layer. The item is up-gradient when the liquid will flow away from it upon entering a water table or restrictive layer.

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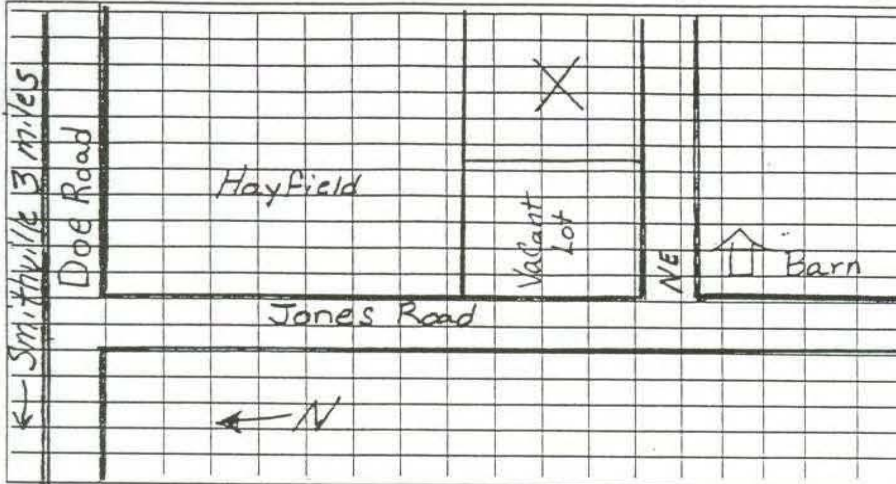


# Soil and Site Evaluation for OSS



## Sample Sketches

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

