



WALLA WALLA COUNTY DEPARTMENT OF COMMUNITY HEALTH

314 West Main Street • P.O. Box 1753 • Walla Walla, WA 99362 • Telephone: (509) 524-2650
Fax: (509) 524-2677 • https://www.co.wallawalla.wa.us/government/health\_department/index.php

APPLICATION FOR ONSITE SEWAGE DISPOSAL PERMIT

TYPE OF [ ] New System \$900.00 [ ] Replacement \$500.00 [ ] Septic Tank Replacement only \$150.00 [ ] Shop up to 100ft \$250.00
PERMIT [ ] Single Bedroom Addition \$250.00 [ ] Other, Specify: \_\_\_\_\_ amount: \_\_\_\_\_

Owner/Applicant Information

Owner's Name: \_\_\_\_\_ Address: \_\_\_\_\_
Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_
Applicant's Name: \_\_\_\_\_ Address: \_\_\_\_\_
Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Property Information

Property Address: \_\_\_\_\_ Parcel#: \_\_\_\_\_
Name of Subdivision/Short Plat: \_\_\_\_\_ Block \_\_\_\_\_ Lot \_\_\_\_\_
Size of Property (Sq Feet/Acres): \_\_\_\_\_ Distance to Public Sewer System: \_\_\_\_\_ Feet
Directions to the Property: \_\_\_\_\_
Water Source: [ ] Private individual well\* [ ] Community public water system
Name of public water system and ID#: \_\_\_\_\_
\*Private wells must submit a well log

Building Information

Single Family Residence [ ] Multi Family Residential [ ] Commercial [ ]
Number of Bedrooms: \_\_\_\_\_ For replacement: Number of bedrooms on Assessors website: \_\_\_\_\_
OR
If other than a Single Family Home: Type of Structure: \_\_\_\_\_
Number of Persons/Day or Gallons of Sewage per Day: \_\_\_\_\_

Plot Plan (New Construction Only)

For new construction only, include a Plot Plan that show the location and distances from the septic system for the following: Well(s), Surface Water, Utilities, Swimming Pools, Garages, Driveways, Shops, Cut banks and anything else that would prevent the drainfield from functioning properly.

For all new construction permit a site evaluation is also required. The site evaluation is an additional \$200.00 and required the property owner to dig some test holes in the area where the drainfield will be located. See site evaluation form for more detail.

Sewage System Will be Installed By: [ ] Property Owner [ ] Licensed Installer: \_\_\_\_\_

To schedule a final inspection, WWCDCH must be notified at least 3 business days in advance prior to inspection.

I understand if this application is denied, I have the right to request an appeal hearing before the Health Officer. I understand this request for hearing must be made in writing within 30 days of notification of denial, and that a hearing will be set within 30 days of the receipt of my request for hearing. I further understand that if the appeal to the Health Officer is not successful, I have the right to appeal that decision to the County Board of Health.

Applicant's Signature: \_\_\_\_\_ Date \_\_\_\_\_
(Revised 3/2021)

Office use only:
Site Eval Date: \_\_\_\_\_ Date received: \_\_\_\_\_ Amount paid: \_\_\_\_\_ Receipt #: \_\_\_\_\_

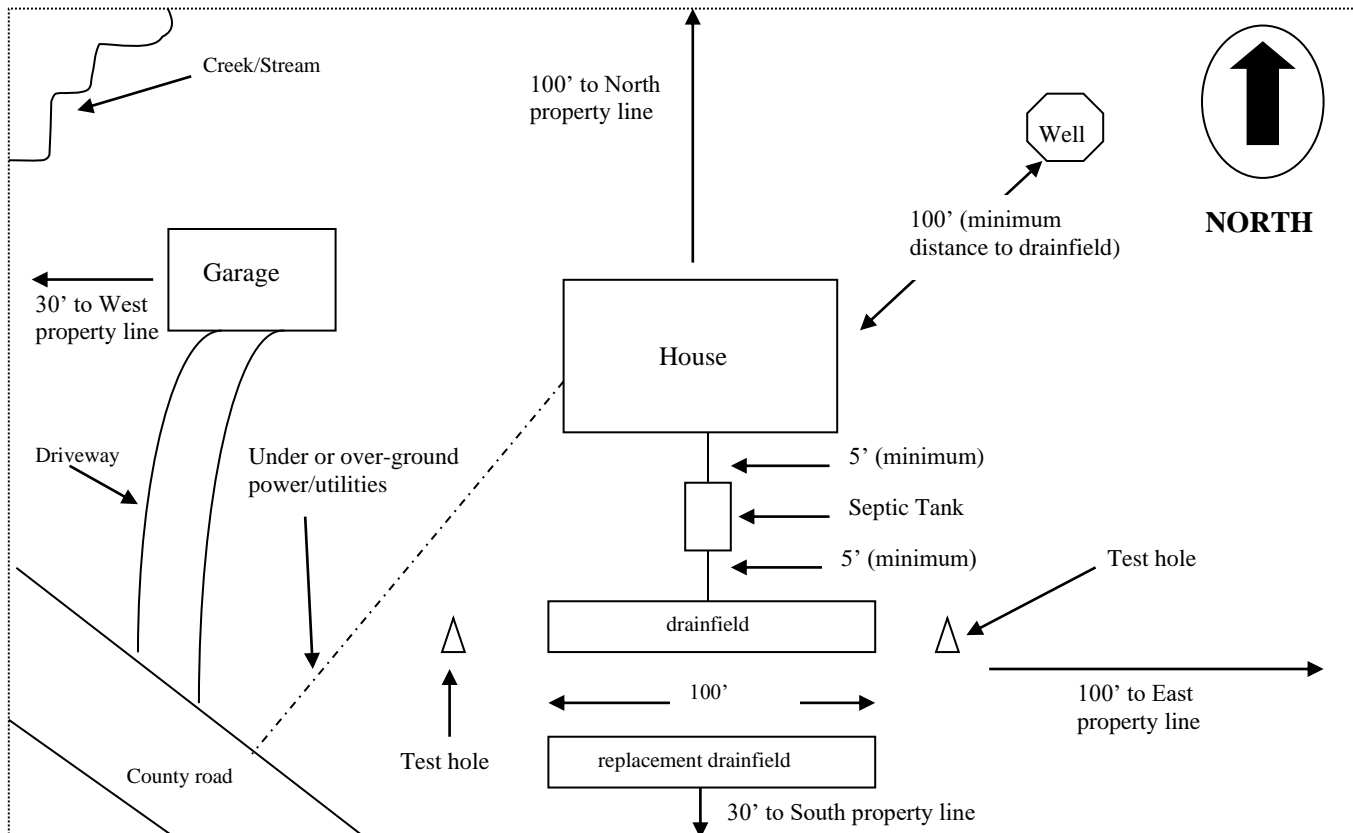
## WALLA WALLA COUNTY DEPARTMENT OF COMMUNITY HEALTH SITE PLAN INSTRUCTIONS

An accurate and detailed site plan must be submitted for review with your sewage permit application. The site plan is important to help show what your development will be and how it will be located on your property. It is also used to determine the location of existing structures and on-site sewage system(s) to show that adequate setbacks can be maintained. Minimum set back requirements are listed on the back of this page. All of the following information that applies to your project must be shown on the site plan.

Show all **existing and proposed** for each of the following items and **label the distance** between each item.

- Size and dimensions of property
- Location of the residence to be served by the sewage systems
- Location of the driveway and parking area that will serve the residence
- Location of proposed septic tank and drainfield that will serve the residence
- Location of test holes
- Location of well(s) and water lines
- Location of neighbors wells within 100 feet of property line
- Location of any other structures on the property and the use (i.e. house, shop, barn, etc.)
- Location of existing on-site sewage system(s)
- Easements or utilities – show the location and dimensions of easements for roads, power lines, driveways, parking areas, etc.
- Location of underground or overhead power lines, electrical lines, telephone lines, cable, etc.
- Location of surface water, such as lakes, creeks/streams (year round or seasonal), wetlands, etc.
- Topography – show slopes, drainages, elevations
- Other – show areas subject to slides, water erosion, rock outcrops and areas that have been excavated or filled

### SAMPLE SITE PLAN



## MINIMUM SPECIFICATIONS FOR CONVENTIONAL ONSITE SEWAGE SYSTEMS

### **SEPTIC TANKS**

1. All wastewater from homes or other building must be treated and disposed of in an approved on-site sewage system if a public sewer system is not available. Wastewater from the toilet, bath, kitchen, laundry ect., flows first into a septic tank which is typically located about 5 ft. from the building foundation
2. Only septic tanks approved by the Washington State Department of Health may be installed. All septic tanks must have two compartments or consist of two single compartment tanks in series with each other. Tanks must be installed with a clean out and inspection access within 6 inches of finished grade. A marker must be installed at finished grade showing where the septic tank lid is located. Risers for tank lids may be used if necessary.
3. The size of a septic tank depends on how many bedrooms your house will have. Tank sizing starts at 1000 gallons for up to a 4 bedroom house. Anything larger than 4 bedrooms add 250 gallons per bedrooms. For non-residential the size of the tank is triple the daily flow for the non-residential source.

### **Sewer Lines**

1. All pipe used for septic systems must be ABS schedule 40 or PVC 3034. This is to prevent the pipe from being crushed when back fill is complete. If a sewer lines cross an area of vehicular traffic than it must be double sleeved ( pipe in a pipe)
2. Sewer lines from the house to septic tank must have a  $\frac{1}{4}$  -  $\frac{1}{8}$ " drop per foot and from the tank to drainfield either  $\frac{1}{8}$ " drop per foot or level.
3. All sewer pipes except drainfield perforated pipe must be water tight.
4. A clean out that extended beyond finish grade must be installed within 2 feet of the building

### **Distribution Boxes or Tees**

1. A distribution box or a level tee is required to provide equal distribution of effluent to the drainfield
2. Use of a distribution box may be required if the drainfield is on a slope
3. If a distribution box is used the following is required: The box must be bedded and secured properly to insure that it is level and the box must be water tight. A water test is required during inspections.
4. Distribution boxes must be 10ft away from the start of perforated pipe.

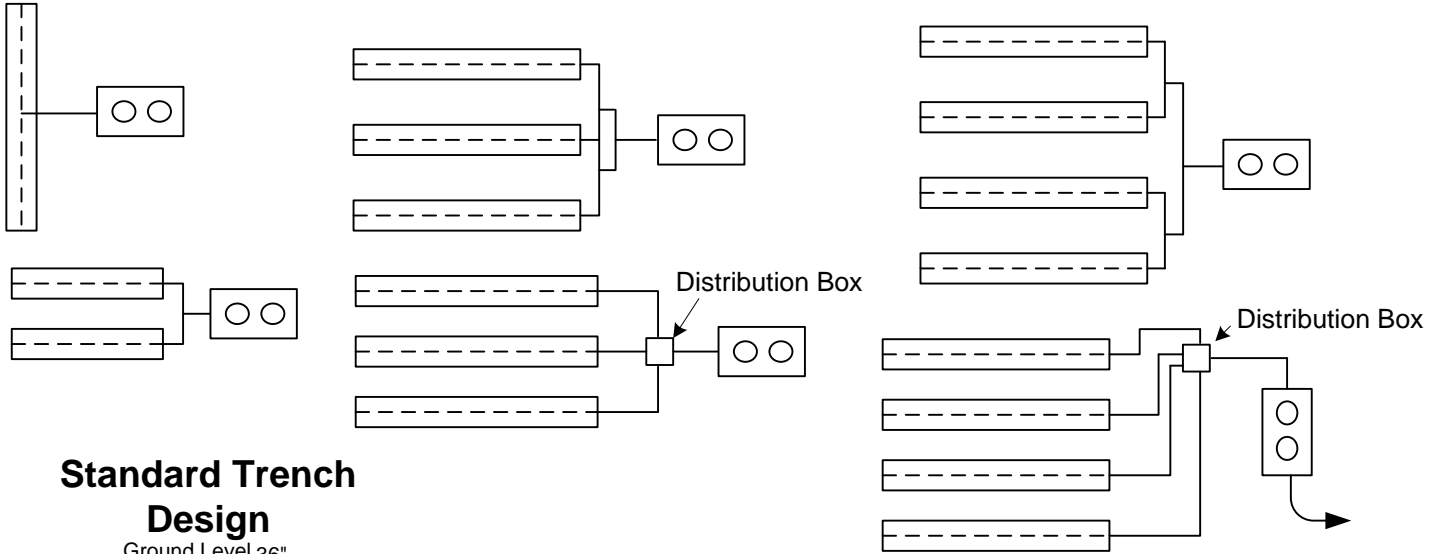
### **Subsurface Absorption Systems (Drainfields)**

1. Conventional drainfield design: Depths and lengths of the drainfield laterals are determined by the Health Department.
2. The width of the trench is 36 inches;
3. 6 inches of washed rock either round or crushed ( $\frac{3}{4}$  inch – 2  $\frac{1}{2}$  inches in diameter) sits in the bottom. Perforated 4 inch pipes are set on top of the drain rock then, add more drain rock so that it covers the pipe. A total of 12 inches of drain rock will be required for each lateral if drain rock is used.
4. In some cases a pump chamber may be required to send effluent to a higher elevation in order to meet depth restrictions.
5. A minimum of 2 laterals is required for all drainfields and all laterals should be of equal length
6. Minimum distance between laterals is 10ft on center
7. Maximum lateral length for a gravity system is 100ft.
8. The bottom of the trench must be level and the drainfield pipe should also be level.
9. Drainfield lines may not be installed on slopes exceeding 45°
10. An approved unwoven geotextile (filter Fabric) is required over the gravel before backfilling the trenches.
11. The drainfield shall not be located in areas where there will be vehicle traffic, pavement or built over.
12. Drainfield size is based on the number of bedrooms of the house or daily flow for non-residential sources.

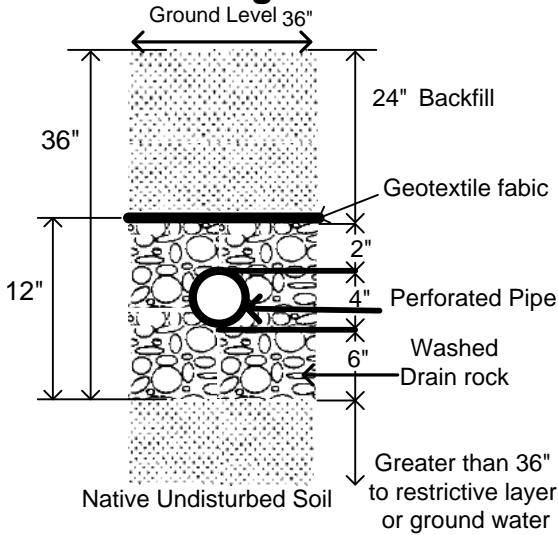
### **Permits**

1. A permit that details the sizing and design specification must be issued before installation of any on-site sewage disposal system. The Health Department must inspect the finished construction work before backfill can occur.
2. For homeowners two inspections are required before approval can be given. **1)** When the trench is dug and pipe is laid in the trench **2)** when the drain rock is installed and the filter fabric is installed. An additional fee will be charged if a second follow-up inspection is necessary.

## Examples of Drainfield Designs

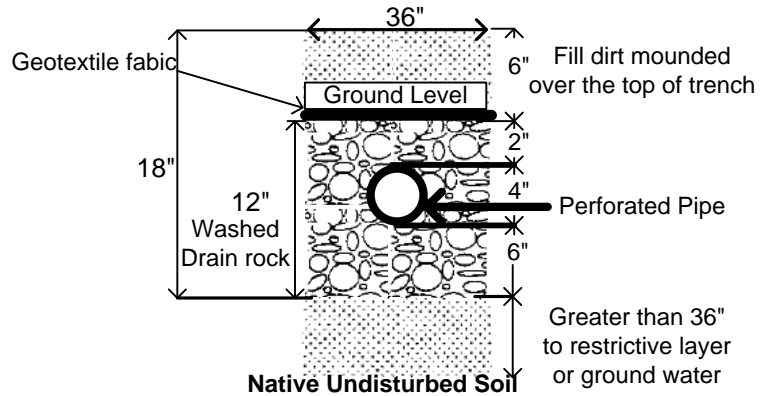


### Standard Trench Design

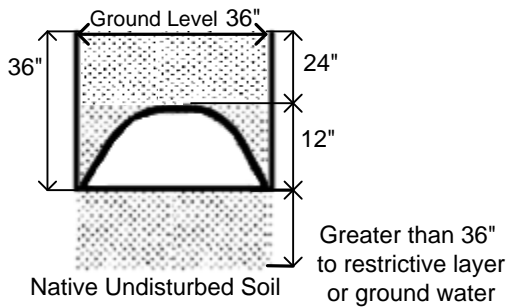


Washed rock must be  $\frac{1}{2}$  - 2  $\frac{3}{4}$ " in diameter

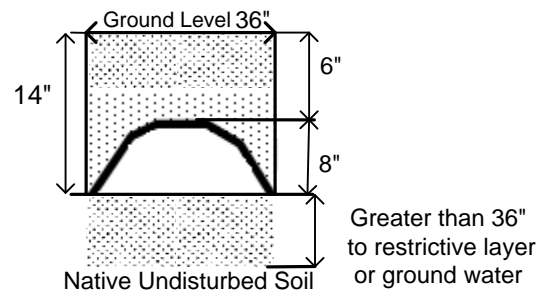
### Shallow Trench Design



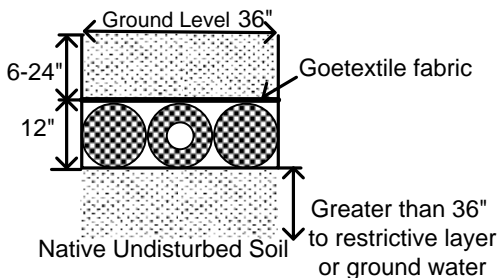
### Standard Trench Depth with Infiltrators



### Shallow Trench using low profile Infiltrators



### EZ Flow Design



Only Ez-Flow 1003-H, 1003-T, 1203-H, 1003H-Geo, 1003T-Geo, 1203H-Geo are approved for use in Washington State

**Minimum Horizontal Separations**

Items Requiring Setback	From edge of soil dispersal component and reserve area		From sewage tank and distribution box		From building sewer, and nonperforated 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 <sup>1</sup>	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 <sup>2</sup> :	30 ft.		5 ft.		N/A	
Up-gradient <sup>2</sup> :	10 ft.		N/A		N/A	
Other site features that may allow effluent to surface						
Down-gradient <sup>2</sup> :	30 ft.		5 ft.		N/A	
Up-gradient <sup>2</sup> :	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	

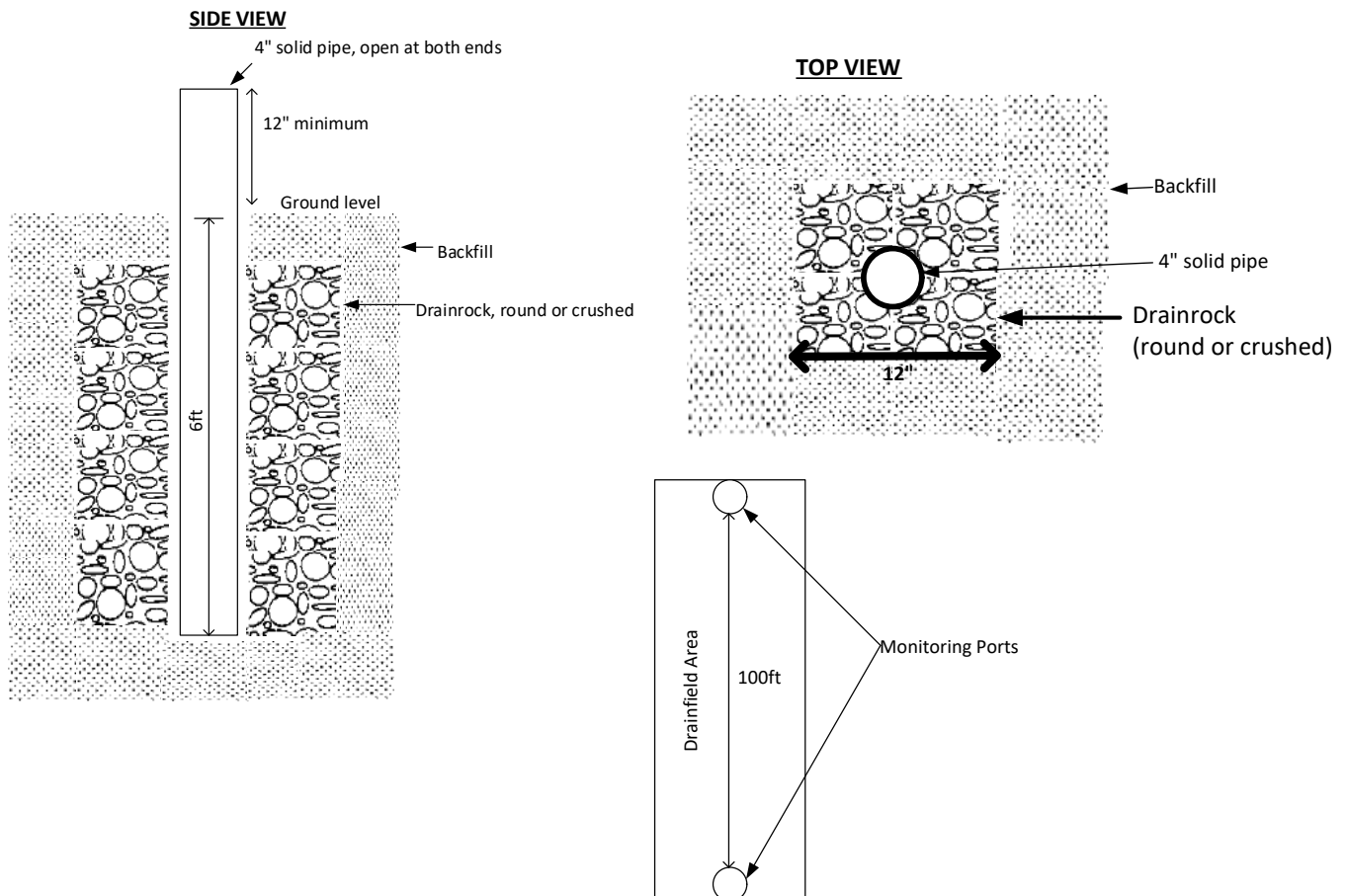
# Notice

This notice is applicable to the Lewis Peak area as defined on the attached map.

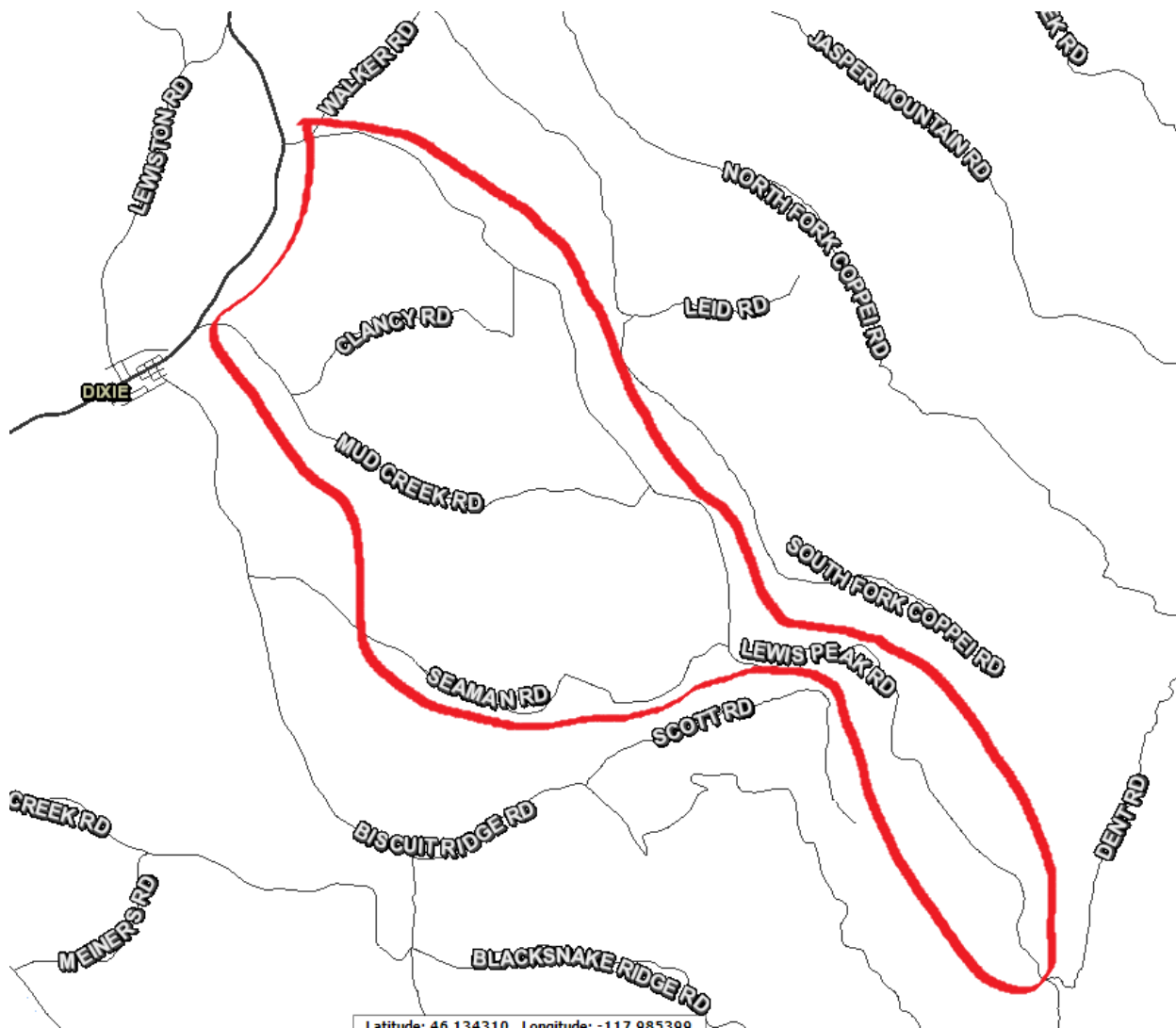
Walla Walla County Department of Community Health is now requiring winter/wet season monitoring before any new septic permit can be issued in the Lewis Peak area. Winter /Wet Season is defined as the time between November – May.

No new septic permit will be issued in the area defined on the attached map until the required monitoring is completed. Attached is explanation of how the monitoring ports will be constructed and where to place them.

There is also a \$500.00 charge for winter monitoring that is additional to any site visit or permit application fees, if you have any questions about this feel free to contact the Walla Walla County Department of Community Health at 509.524.2650.



## The red outlines the area affected by winter/wet season monitoring



### Monitoring Port Construction

Staff from the Walla Walla County Department of Community Health (WWCDCH) will need to monitor the monitoring ports for evidence of water throughout the winter/wet season to determine the feasibility for a septic system. If you do not own the parcel/property you must submit a letter to us from the owner, granting WWCDCH staff permission to be on the property to access the monitoring wells. Observations will be done weekly during the months of November through April. On May 1st the monitoring ports can be decommissioned.

2 monitoring ports will be required the ports will be placed at opposite ends of the drainfield and be 100ft apart. The depth of the ports will be 6ft if possible. If 6ft depth cannot be achieved than dig as deep as possible. See the attached diagrams for monitoring well construction.