FEASIBILITY ASSESSMENT RECORD CRITERIA

Environmental Health Services Division

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Clearfield, Utah 84015

Mailing Address
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Farmington, Utah 84025

Phone Numbers
801-525-5128
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Feasibility Assessment Record

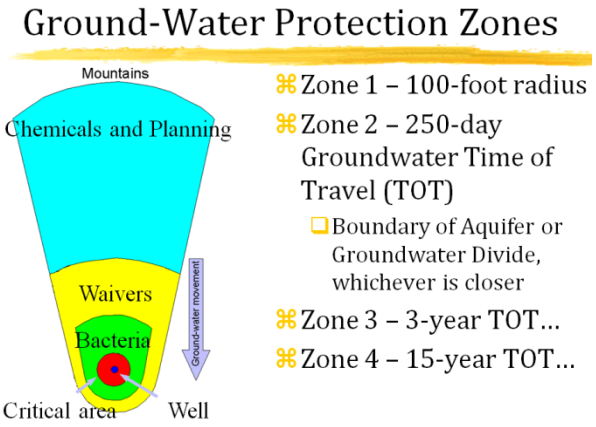
The **applicant** will complete an Onsite Wastewater System (OWS) application. Our office will create a **Feasibility Assessment Record (FAR)**. This record will contain a summary of all relevant feasibility assessment activity findings or studies, whether performed by the Department, a Service Provider, or other professional, centered around the soil exploration pit.

GIS Assessment and Records Search

Our office will conduct a records search for any past feasibility work. We may be able to certify some of it.

Our office will conduct a GIS assessment search for any ground drinking water sources or nearby sewer lines.

- A local municipality may require connection to a sewer if any part of the property is within 300 feet of a sewer line.

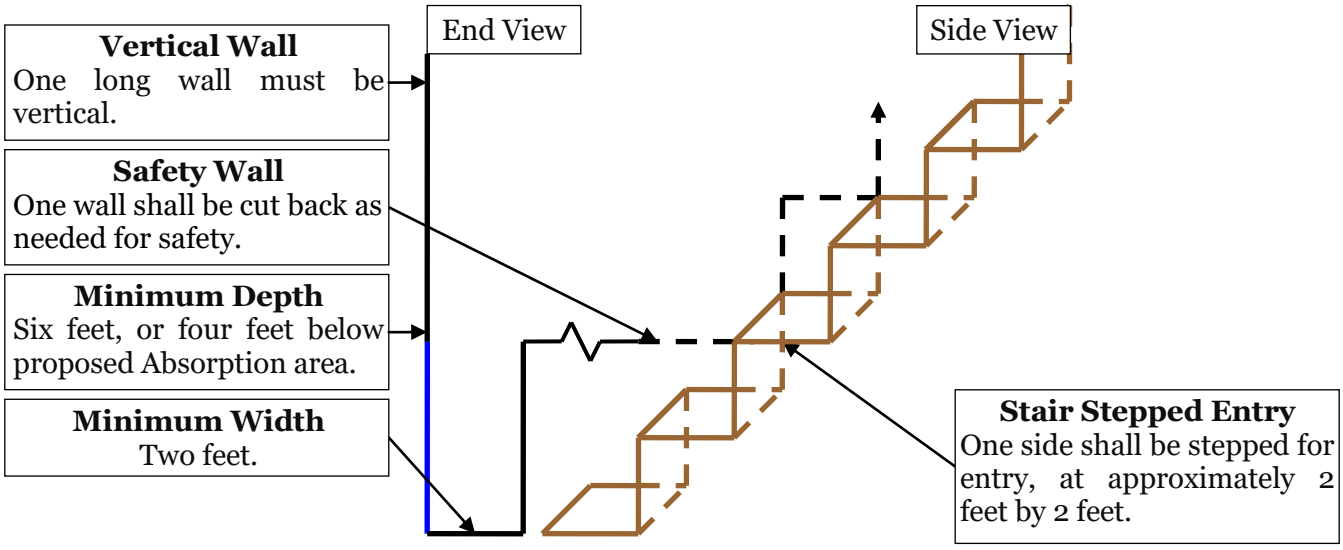


Site Assessment

Our office will conduct a site assessment. It will include an onsite assessment of any obvious site conditions that may restrict absorption area placement such as landscape positions, vegetation, slope (i.e. 50 feet from slopes greater than 35 percent), setbacks (i.e. 100 feet from wells, ditches, and open water), and other factors affecting feasibility.

Soil Exploration Pits

The **applicant** will complete or contract the soil exploration pit construction (See UAC §§ R317-4-14C). We require three working days notice before construction begins. If possible, we will be onsite when excavation begins.

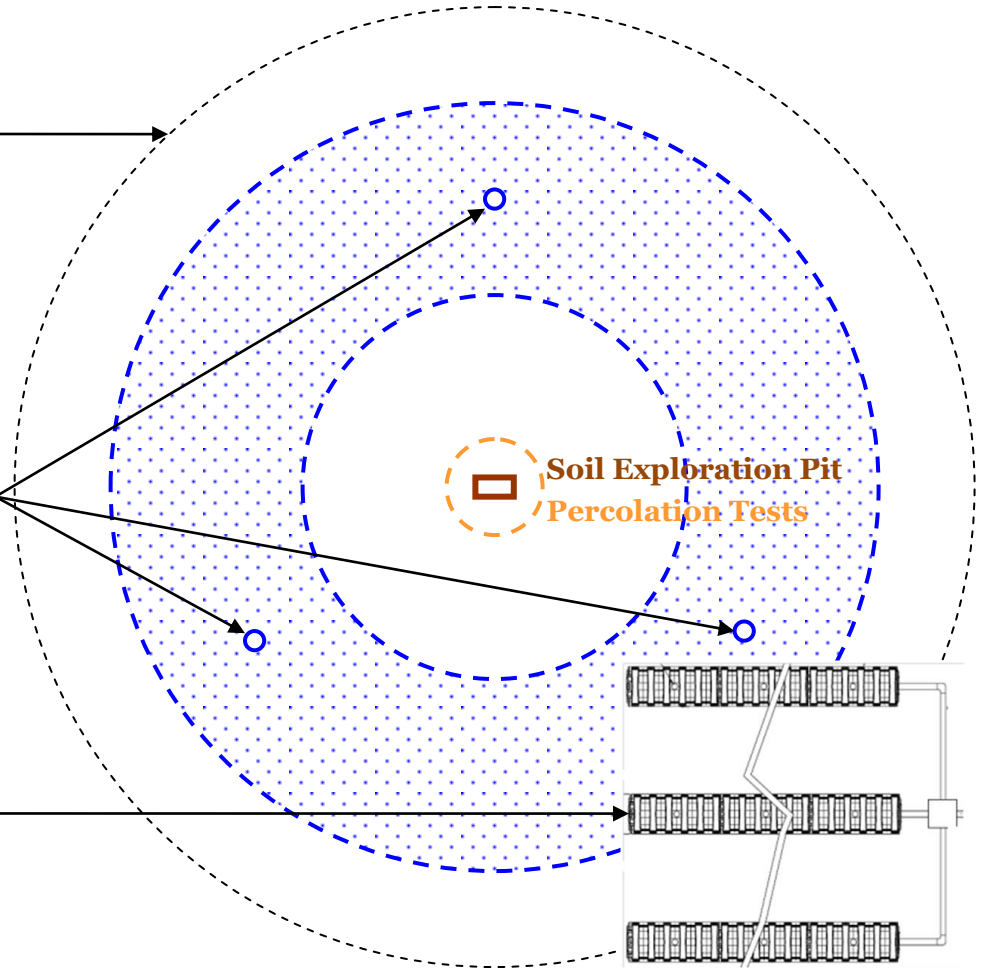


Connects. You.

Soil Exploration Pit
100 foot Radius
The soil exploration pit and percolation tests results will be applicable to the area within a 100 foot radius of the center of the pit. (~3/4 acres)

Ground Water Monitoring Wells
If required, ground water table monitoring wells shall be placed about 40-80 feet from the Soil Exploration Pit. If the lot is narrower than 200 feet, the number of monitoring wells may be reduced.

Absorption System Placement
The majority of the absorption system shall be placed inside the 100 foot radius.



Soil Evaluation

Our office will complete or verify a soil log and soil evaluation. The soil evaluation will determine the soil types. Soil types 2-4 (see Table below) are suitable for Conventional & At-Grade Onsite Wastewater Systems (OWS).

Percolation Tests

Soil types 1 and 5 are only suitable for Packed Bed Media & Experimental Systems. Percolation tests may result in changes to the types of systems that may be utilized on this property. Our office will provide:

- R317-11 Certified Individuals List;
- the required horizons or depths of the percolation tests;
- Percolation Test Certificate forms.

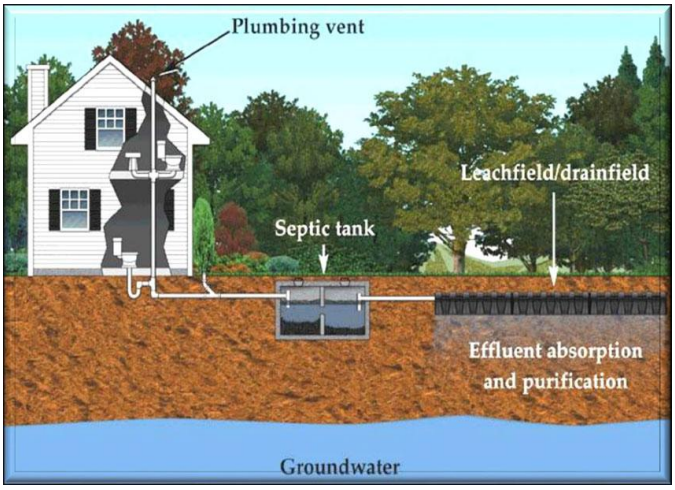
The **applicant** will contract a R317-11 certified percolation tester (See UAC §§ R317-4-14D), if they choose this option. Our office may conduct or verify the percolation tests.

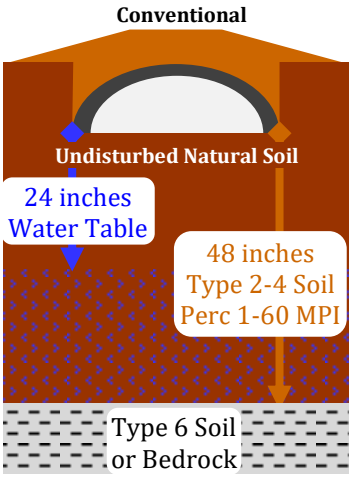
Our office will average the Hydraulic Loading Rates (HLR), if there is a substantial discrepancy between the percolation rate and the soil classification rate.

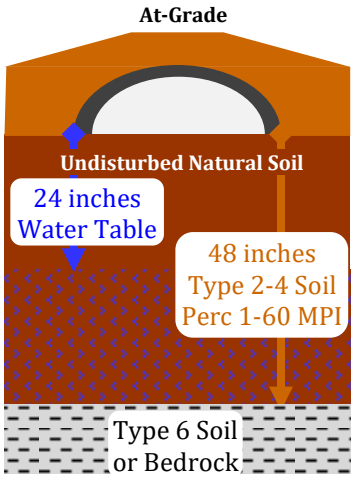
Soil Type	Perc Rate	HLR
1	1-10	0.9
2	11-20	0.7
3	21-40	0.6-0.55
4	41-60	0.5-0.45
5	61-120	0.4-0.35
6	>120	

Absorption System Types

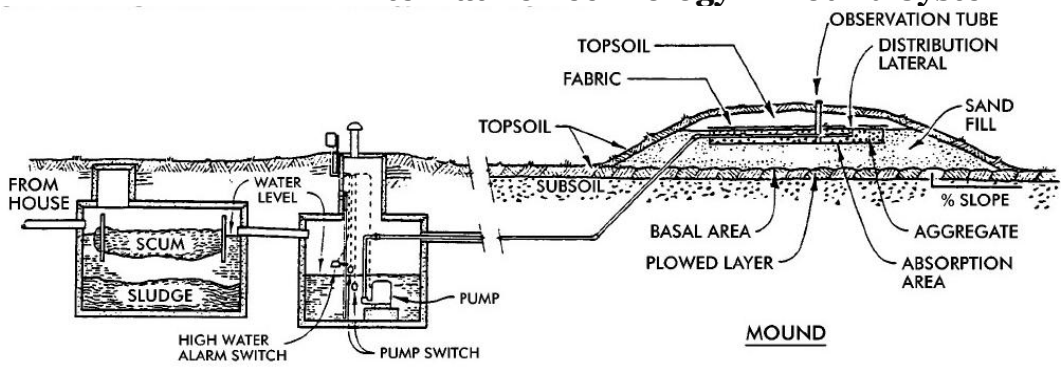
Conventional Technology

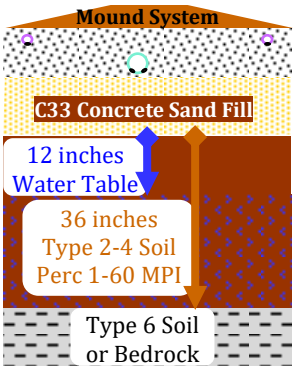




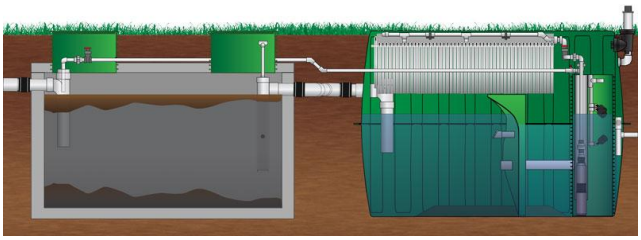


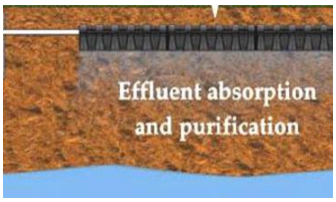
Alternative Technology – Mound System

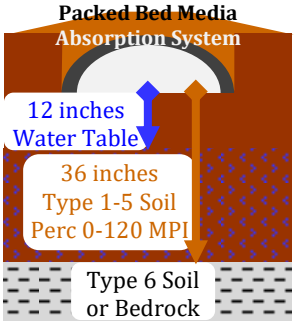




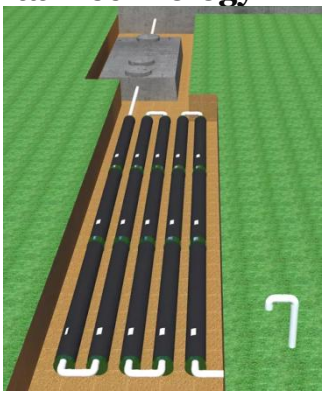
Alternative Technology – Packed Bed Media System

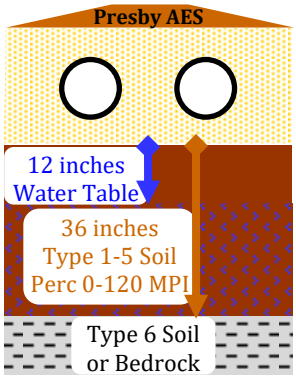






Experimental Technology – Presby Advanced EnviroSeptic





Ground Water Monitoring Wells

If ground water monitoring is required (See UAC §§ R317-4-4.1.B.4), the applicant will install ground water monitoring wells in accordance with this criteria document. Site conditions may require modifications of monitoring well placement.

Our office will conduct the monitoring, beginning in late winter and continuing through the season of maximum ground water table.

- The season will extend through the month of May and into the summer, if the area is subject to flood irrigation, or other unusual conditions.
- If you feel that the water table levels have been influenced by factors related to controllable site conditions, please make any corrections as soon as possible.
  - If any corrections or modifications occur outside the season of maximum ground water table, it will be necessary to monitor through the next season.