

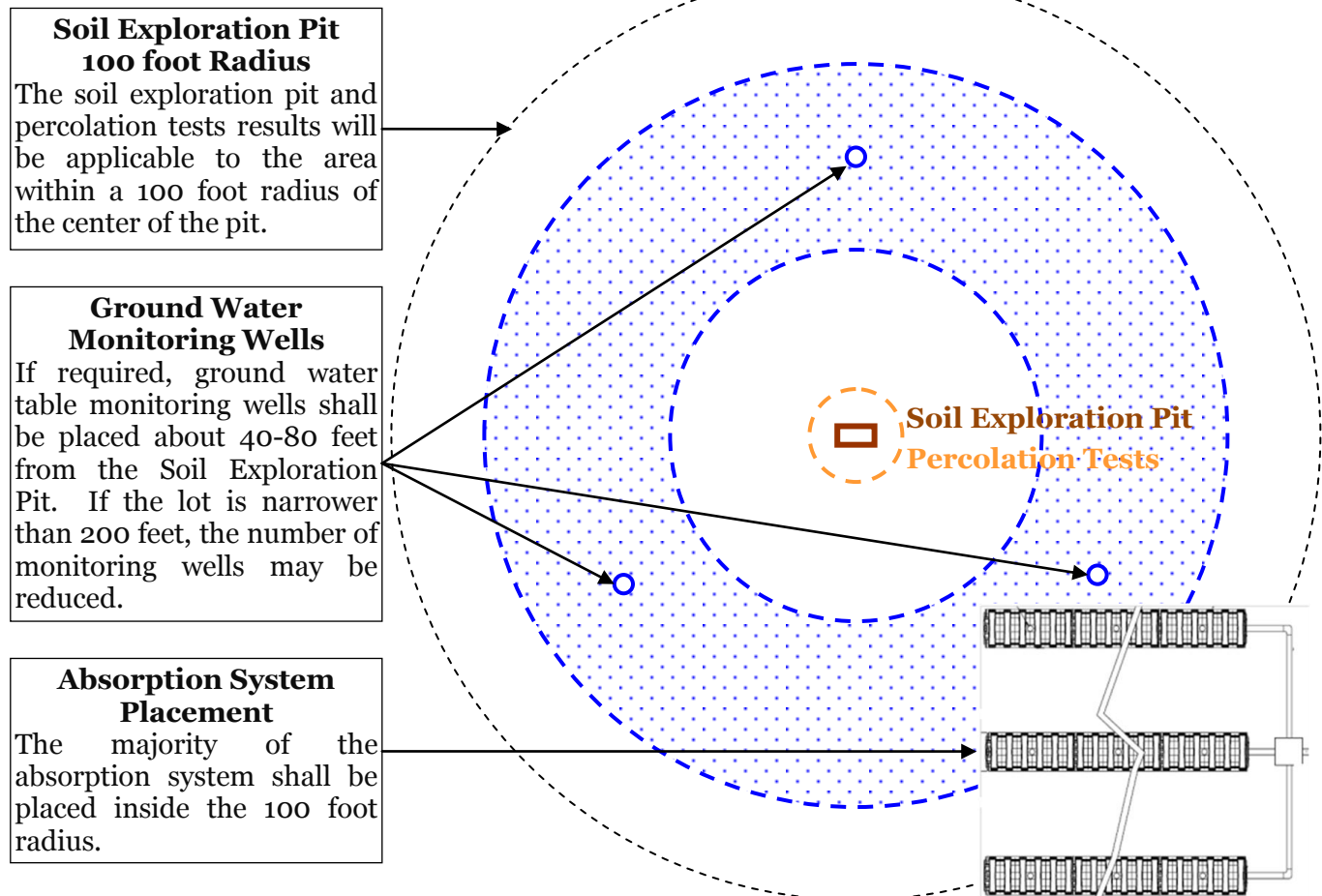
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Feasibility Assessment Record

The **Feasibility Assessment Record** is a Department created record containing a summary of all relevant feasibility assessment activity findings or studies, whether performed by the Department or a Service Provider, associated with a specific geographic location centered on 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.

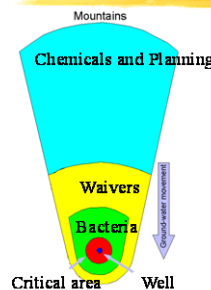
Our office will conduct a GIS assessment search for any ground drinking water sources or nearby sewer lines.

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,

Ground-Water Protection Zones



- ☞ Zone 1 - 100-foot radius
- ☞ Zone 2 - 250-day ground-water time of travel (TOT), boundary of aquifer or ground-water divide, whichever is closer
- ☞ Zone 3 - 3-year TOT...
- ☞ Zone 4 - 15-year TOT...

vegetation, slope (i.e. 50 feet from slopes greater than 35 percent), setbacks (i.e. 100 feet from wells, ditches, and water courses), and other factors affecting feasibility.

Soil Exploration Pits

The applicant will complete or contract the soil exploration pit construction (1.1). We require three working days notice before construction begins. If possible, we will be onsite when excavation begins.

Our office will complete or verify a soil log (1.2) and soil evaluation (1.3).

UAC R317-4-14 Appendix C. Soil Exploration Pits, Soil Logs, Soil Evaluations.

1.1. Soil Exploration Pit Construction.

Soil conditions shall be obtained from soil exploration pit(s) dug to a **depth of 10 feet** in the absorption area, **or to the ground water table** if it is shallower than 10 feet below ground surface. In the event that absorption system excavations will be deeper than 6 feet, soil exploration pits shall extend to a depth of at least 4 feet below the bottom of the proposed absorption system excavation.

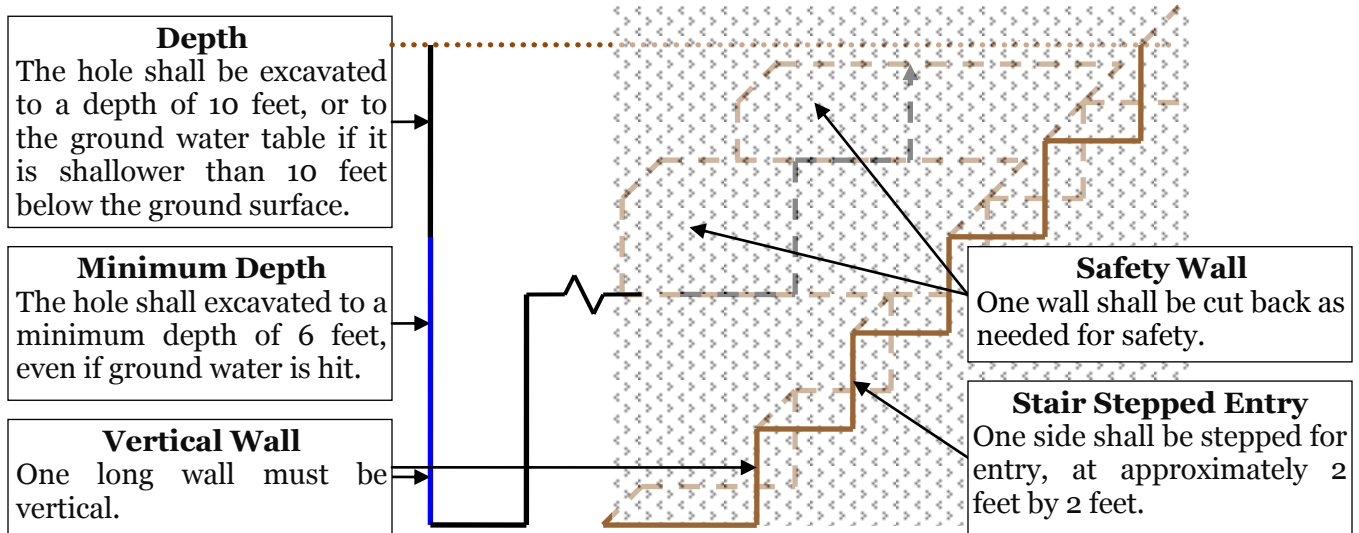
A. Soil exploration pits shall be constructed in a manner to reduce potential for physical injury. **One end of each pit should be sloped gently or "stair-stepped"** to permit easy entry if necessary.

1.2. Soil Logs.

1.3. Soil Evaluation.

Soils shall be evaluated using the USDA Soil Texture Classification method.

A. The soil horizon with the lowest loading rate shall be used in calculating the required absorption area.



Percolation Tests

If percolation tests are required, our office will provide: a list of R317-11 Certified Individuals (1.1); the required horizons or depths of the percolation tests (1.1.A); and Percolation Test Certificate forms (1.1.B).

The applicant will contract (1.1.C) a R317-11 certified percolation tester (1.1). Our office may conduct or verify the percolation tests.

UAC R317-4-14 Appendix D. Percolation Method.

1.1. Percolation Test Requirements.

Percolation tests shall be completed by an individual certified per Rule R317-11 and shall be conducted in accordance with the instructions in this appendix.

If there is a substantial discrepancy between the percolation rate and the soil classification rate, the loading rates will be averaged.

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.

