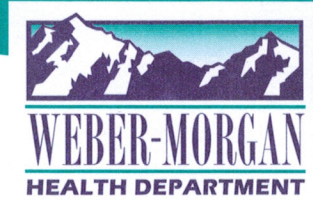


April 20, 2017



Weber County Planning Commission
2380 Washington Blvd.
Ogden, UT 84401

RE: Matthew Shupe Property
Approximately 4400 N 2900 E
Parcel #22-008-0075
Soil log #14355

Gentlemen:

The soil and percolation information for the above-referenced lot have been reviewed. Culinary water will be provided by Liberty Pipe Line Improvement District, an extension of an existing approved non-community water system. **A letter from the water supplier is required prior to issuance of a permit.**

DESIGN REQUIREMENTS

The following work and resulting information has been gathered by the staff of the Weber-Morgan Health Department, provide by the property owner or his representatives; documented ground water in the area monitored remained below 36 inches throughout the 2016-2017 ground water season. The documented percolation test performed in association with soil exploration test pit#2 resulted in the stabilized percolation rates of 80 min/inch at a depth of 36 inches and 60 min/inch at a depth of 78 inches. The provided topographic contour map shown that the area evaluated has a 22%-25% slope this is also the buildable area. To receive a onsite wastewater treatment system permit all portions of both the State Administrative regulation R317-4 and the Weber Morgan Health Department Onsite Treatment System Regulation must be met.

Due to the following pertinent portion of those regulations R317-4.6.14.B.4.b and R317-4.2.52 our office believe that the only system that may be engineered to meet all regulatory requirement would be a Packed Bed Media pre treatment system with a drip irrigation trench limited to a depth of 24 inches. The application to be utilized in that design should be a 0.4 gal/day/ft² determined by the documented percolation rate of 80 min/inch in that soil horizon

R317-4.6.14.B.4.b Sloping Ground.

Absorption systems placed in 10% or greater sloping ground shall be designed so that there is a minimum of 10 feet of undisturbed earth measured horizontally from the bottom of the distribution line to the ground surface. This requirement does not apply to drip irrigation.

R317-4.2.52 Impervious strata" means a layer that prevents water or root penetration. In addition, it shall be defined as unsuitable soils or soils having a percolation rate slower than 60 minutes per inch for conventional systems.


Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

All subdivisions plats submitted for review are to show the location of exploration pits and percolation tests as well as the documented soil horizons and percolation rates. Mylars submitted for signature without this information will be returned.

Each on-site individual wastewater disposal system must be installed in accordance with R317-4, Utah Administrative Code, Individual Wastewater Disposal Systems and Weber-Morgan District Health Department Rules. Final approval will be given only after an on-site inspection of the completed project and prior to the accomplishment of any backfilling.

Please be advised that the conditions of this letter are valid for a period of 18 months. At that time the site will be re-evaluated in relation to rules in effect at that time.

Sincerely,

A handwritten signature in cursive script, appearing to read "Summer Day", with a long horizontal flourish extending to the right.

Summer Day, LEHS
Environmental Health Division
801-399-7160