



Date: June 3, 2022

To: Whom it may concern

RE: Soil Exploration and Percolation Test

The Wasatch County Health Department has reviewed the soil exploration and percolation test results submitted for the property located at **Timberlakes Lot #1442**.

The soil exploration pit showed that there was no bedrock or groundwater to a depth of 7 feet. The range for passing percolation tests for conventional septic systems is between 4 min/in and 60 min/in. The percolation test results was **96 min/in**, which is not within the acceptable range for a conventional system. An alternative packed bed media system may be used with that percolation rate.

The results of the test indicate that the soils, at the location of the test, **appear to be feasible for the installation of an alternative packed bed media** onsite wastewater system for wastewater treatment and disposal. The maximum depth of the drainfield is 4'. The area for a septic system may be limited.

The following items must be addressed before any septic permit can be issued:

It should be noted that slopes exist on the area tested which require a slope analysis. The State Onsite Wastewater Systems Rule R317-4 has slope requirements that must be met which include all septic systems to be installed in slopes less than 25% and 50 feet away from any downhill slopes greater than 35%. An acceptable slope analysis includes a 1"=30' scaled plot plan with 2' contours and accurate lot lines.

The next step towards obtaining a permit is to have a certified designer prepare a design for the proposed onsite wastewater system and submit it to our office for review. The design must conform to the State Onsite Wastewater Systems Rule, R317-4 Utah Administrative Code and all applicable local rules.

Additional requirements will need to be met during the permitting process. If you have any questions or comments, please feel free to contact me at (435) 657-3264.

Thank you,

Tracy Richardson, LEHS
Wasatch County Health Department