



June 26, 2019

Brett Satterthwaite
2594 W 2275 N
Farr West, Ut 84404

RE: Wastewater Site and Soils Evaluation #14771 (revised)
3800 N 2900 E (approx) Liberty, Ut 84310
Parcel # 22-014-0014

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on November 9, 2018. The exploration pit is located on the enclosed plat developed during the site evaluation along with the assigned numerical code for each exploration pit. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 0427062 E 4575416 N)

0-28" Loam, granular structure
28-56" Clay loam, blocky structure
56-115" Sandy loam, massive structure

Conduct the required percolation test so that the bottom of the percolation test holes are at **40 inches** deep from the original grade. Percolation test should be ran next to Exploration pit #1

Exploration Pit #2 (UTM Zone 12 Nad 83 0427045 E 4575387 N)

0-35" Loam, granular structure
35-56" Gravelly sandy loam, single grain structure, 65% gravel
56-75" Clay loam, massive structure, 5% gravel

Ground water encountered @ 75 inches. TP#2 was near an area identified to have higher water table.

Exploration pits should be backfilled immediately upon completion of percolation testing to prevent a hazardous environment that may cause death or injury to people or animals.

Percolation tests may be completed by any individual on the enclosed list. The stabilized percolation test results are to be submitted to this office for review prior to the recommendation for further development to the appropriate planning agency or prior to the issuance of a wastewater disposal permit.

Monitoring of the maximum ground water table is required in the location of the above listed exploration pits. Please complete the enclosed application for maximum ground water table monitoring and return it along with the appropriate fees. The wells should be constructed in accordance with the enclosed diagram in order to provide the most accurate water table readings possible.

If you have any further questions, contact this office at your convenience.

Sincerely,

Summer Day, LEHS III, Program Manager
Environmental Health Division
801-399-7160



June 26, 2019

Brett Satterthwaite
2594 W 2275 N
Farr West, UT 84404

Subject: Water Table Monitoring, Locate at approximately 3800 N 2900 E in Liberty, UT. Land Serial #22-014-0014 (revised June 26, 2019)

This letter is to notify you of the results for water table monitoring that was conducted on your property. Monitoring was performed from February 13, 2019 through April 19, 2019.

The water table for the subject property remained below 36 inches throughout the monitoring period for pipe 2S and 3N. Therefore a **Conventional Wastewater Disposal System** would be suitable for the property with respect to water table. The system will need to be designed so that the bottom of the trench is a **minimum of 7 inches higher** than the ground elevation location of pipe 1W. Additional clarification can be provided by our office on the matter if required.

The Weber-Morgan Health Department does not assert that this property meets zoning, subdivision or any other development feasibility requirements.

If not already accomplished, the following requirements must be satisfied in accordance with Utah Administrative code R317-4 and Weber-Morgan Health Department Onsite Wastewater Treatment System regulation, before the Weber-Morgan Health Department is able to issue a letter of feasibility for residential development on the property:

1. Approval of onsite systems in western Weber County is made in accordance with the AGround Water Management Plan for Western Weber County, (adopted by the Weber-Morgan Board of Health 27 August 2001). The plan addresses replacement systems and density requirements.
2. **Drinking water.** Indicate the source. If a private well is used to supply drinking water, the well must be installed and approved.

- 3. Soils Evaluation and Percolation Testing.** Soil exploration pits shall be made at the minimum rate of one exploration pit per lot proposed. Application and guidance for soils evaluation are available at the health department or online at webermorganhealth.org. Percolation tests may be required based on soil types and must be performed by a certified individual. A list of certified individual is available at the health department

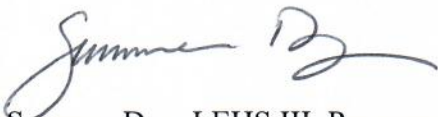
After the requirements above are satisfied, the health department will issue a letter of feasibility for the placement of an onsite wastewater disposal system on the subject property.

Once feasibility has been demonstrated, and the following requirements have been satisfied, the health department will then be able to issue an Onsite Wastewater Disposal Permit:

- 1. System design.** Alternative systems must be designed by a Certified, level 3 onsite systems professional or other qualified professional. The system must be designed in accordance with Utah State Rule, R317-4, Onsite Wastewater Systems and Weber-Morgan Health Department Rules for Individual Wastewater Systems.
- 2. Building plans.** Plans must include the property's dimensions, topographical features, easements, a floor plan (indicating the number of bedrooms and basement, if applicable), driveways and outbuildings and lot dimensions, placement of the onsite system and the location of system replacement area (must accommodate 100% replacement of the original system).
- 3. Subdivision plans.** The location of all exploration pits and percolation test holes shall be clearly identified on the subdivision final plat and identified by a key number or letter designation. The results of such soil test, including stratified depths of soils and final percolation rates for each lot shall be recorded on or with the final plat.

Attached is a copy of all water table measurements and observations. Please contact this office or the undersigned at 801-399-7160 if you have questions.

Sincerely,



Summer Day, LEHS III, Program Manager
Environmental Health Division,