



June 29, 2023

Jeff Beckstead
416 N Washington Blvd
Ogden, Utah 84404

RE: Wastewater Site and Soils Evaluation #15431
4702 N 2900 E Liberty, UT
Parcel # 22-008-0013

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on June 26, 2023. The exploration pit(s) is located at the referenced GPS coordinate and datum. The soil texture and structure, as classified using the USDA system, are as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 426470 E 4577534 N)

0-11" Loam, Granular Structure
11-28" Sandy Clay Loam, Blocky Structure
28-40" Clay Loam, Massive Structure, 5% Gravel
40-65" Sandy Clay Loam, Massive Structure, 10% Gravel, Common Red/Gray Mottling
65-115" Gravelly Sandy Clay Loam, Massive Structure, 40% Gravel

Conduct the required percolation test so that the bottom of the percolation test hole is at 23 & 38 inches deep from the original grade.

Exploration Pit #2 (UTM Zone 12 Nad 83 426401 E 4577573 N)

0-18" Sandy Loam, Granular Structure
18-64" Clay Loam, Blocky Structure, Common Red Mottling
64-95" Sandy Clay Loam, Massive Structure, 2-5% Cobble-Stone, Many Red Mottles

Conduct the required percolation test so that the bottom of the percolation test hole is at 30 inches deep from the original grade.

Exploration Pit #3 (UTM Zone 12 Nad 83 426320 E 4577610 N)

0-18" Loam, Granular Structure, <5% Gravel
18-44" Sandy Loam, Granular Structure, <5% Cobble
44-85" Sandy Loam, Massive Structure

Exploration Pit #4 (UTM Zone 12 Nad 83 426275 E 4577533 N)

0-16" Loam, Granular Structure, 10% Gravel
16-40" Sandy Clay Loam, Massive Structure
40-90" Silty Clay, Massive Structure

Conduct the required percolation test so that the bottom of the percolation test hole is at 28 inches deep from the original grade.

Exploration Pit #5 (UTM Zone 12 Nad 83 426465 E 4577405 N)

0-28" Loam, Massive Structure, 10% Gravel, Common Red Mottling
28-126" Clay Loam, Massive Structure, 5% Gravel

Conduct the required percolation test so that the bottom of the percolation test hole is at 40 inches deep from the original grade.

Exploration Pit #6 (UTM Zone 12 Nad 83 426194 E 4577463 N)
0-19" Gravelly Loam, Granular Structure, 15-20% Cobble-Stone
19-55" Sandy Loam, Blocky Structure, 10-15% Gravel, Common Red Mottling @36" and Below
55-109" Clay Loam, Massive Structure, Many Red/Gray Mottles
Groundwater Encountered At 109"

Exploration Pit #7 (UTM Zone 12 Nad 83 426120 E 4577518 N)
0-17" Sandy Loam, Granular Structure
17-36" Gravelly Sandy Loam, Blocky Structure, 40-50% Gravel
36-64" Clay Loam, Massive Structure, Common Red Mottling
64-100" Sandy Clay Loam, Massive Structure, 5-10% Gravel, Common Red Mottling

Exploration Pit #8 (UTM Zone 12 Nad 83 426211 E 4577641 N)
0-20" Gravelly Sandy Loam, Granular Structure, 15% Gravel
21-123" Gravelly Sandy Loam, Massive Structure, 45% Gravel-Cobble

Exploration Pit #9 (UTM Zone 12 Nad 83 426073 E 4577608 N)
0-30" Fine Sandy Loam, Granular Structure, 5% Gravel
31-126" Gravelly Fine Sandy Loam, Massive Structure, 25% Gravel-Cobble

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

Due to the soil types existing on this property, the final readings of the **percolation tests will need to be witnessed by a representative from the Health Department**. Please make the percolation tester aware of the requirement so that arrangements can be made. Test results will not be accepted if this requirement is not met.

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.

Provide evidence that 20,000 ft² of contiguous buildable area with a slope of less than 25 % is available. Also, indicate that it will be possible to place the onsite wastewater disposal system and replacement area at least 50 feet from slopes exceeding 35%.

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

Sincerely,



Ryan Klinge
Environmental Health Division
801-399-7160