



April 20, 2018

Jeff Shepherd  
1519 E 6225 S  
Ogden, Ut 84405

RE: Wastewater Site and Soils Evaluation #14647  
7750 E 900 N Huntsville, Ut 84317  
Parcel # 21-006-0013 & 21-006-0011

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on April 19, 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 0435920 E 4569691 N)  
0-28" Sandy loam, granular structure, 5% gravel  
28-99" Loamy sand, single grain structure, 5% gravel  
99-127" Clay loam, weak massive structure, mottling-yes  
Ground water depth encounters at 127 inches.

Conduct the required percolation test so that the bottom of the percolation test holes are at **40 inches** deep from the original grade. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

Exploration Pit #2 (UTM Zone 12 Nad 83 0435921 E 4569642 N)  
0-20" Sandy loam, granular structure, 5% gravel  
20-107" Loamy sand, single grain structure, 5% gravel, mottling-yes

Conduct the required percolation test so that the bottom of the percolation test holes are at **32 inches** deep from the original grade. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

Exploration Pit #3 (UTM Zone 12 Nad 83 0435920 E 4569578 N)  
0-16" Sandy loam, granular structure, 5% gravel  
16-114" Loamy sand, single grain structure, 5% gravel

Conduct the required percolation test so that the bottom of the percolation test holes are at **28 inches** deep from the original grade. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

Exploration Pit #4 (UTM Zone 12 Nad 83 0435917 E 4569516 N)  
0-24" Sandy loam, granular structure, 5% gravel  
24-92" Loamy sand, single grain structure, 5% gravel  
Ground water depth encounters at 92 inches.

Conduct the required percolation test so that the bottom of the percolation test holes are at **36 inches** deep from the original grade. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

Exploration Pit #5 (UTM Zone 12 Nad 83 0435915 E 4569462 N)

0-14" Sandy loam, granular structure, 5 % gravel

14-62" Loamy sand, single grain structure, 5% gravel

\*14-24 inches Coarse sandy clay loam was observed in this horizon but was not representative of this layer\*

Ground water depth encounters at 62 inches. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

Conduct the required percolation test so that the bottom of the percolation test holes are at **26 inches** deep from the original grade. Final readings of the percolation tests will need to be witnessed by a representative from the Health Department. Please make arrangements with our office. Test results will not be accepted if this requirement is not met.

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.

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

Sincerely,

Tiffany Stauffer, LEHS  
Environmental Health Division  
801-399-7160

TS/gk