



BRIAN W. BENNION, M.P.A., L.E.H.S.  
Health Officer/Executive Director



November 2, 2020

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

RE: Chance & Chelsea Hansen  
1221 N 7800 E Huntsville, UT  
Parcel #21-005-0006  
Soil log #15087

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on October 28, 2020. 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 12T, Nad 83, 436060E 4570124N)

- 0-7" Gravelly fine sandy loam, granular grading to blocky structure, 15% Gravel
- 7-40" Very gravelly fine sandy loam, blocky structure, 40% gravel
- 40-53" Gravelly fine sandy loam, massive structure, 30% gravel
- 53-68" Gravelly/Cobblely loamy sand, single grain structureless, 80% Gravels/Cobbles

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

**DESIGN REQUIREMENTS**

Culinary water will be provided by a private well. The placement of the well is critical so as to provide the required 100 foot protection zone around the well. The well will need to be dug, tested and the water supply approved prior to issuance of a wastewater disposal permit.

Anticipated maximum ground water table not to exceed 48 inches and Gravelly Fine Sandy Loam ending at 53" below grade, fall within the range of acceptability for the utilization of an At-Grade Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 0 inches. The absorption system is to be designed using a maximum loading rate of 0.4 gal/sq. ft. /day as required for the gravelly fine sandy loam, massive structure soil horizon.

**For consideration of a conventional wastewater disposal system** a percolation test would need to be conducted so that the bottom of the percolation test hole is at 65 inches deep below original grade in the Gravelly/Cobblely loamy sand single grain layer, which may be excessively fast and considered unsuitable. Percolation testing must be performed by a certified individual and **witnessed** by Health Department staff. Please make an appointment with our office at 801-399-7160.

**Percolation Test Weather Restrictions**

Within the Weber-Morgan Health District percolation tests shall not be conducted when the ambient air temperature falls below 35 degrees Fahrenheit day or night for a minimum of 48 contiguous hours. In addition to the percolation test results provided by the certified percolation tester, percolation test performed in the fall months must also include an hourly weather forecast for the day(s) in which the percolation test was performed. The weather forecast should be for the localized area in which the test

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was performed e.g., Eden, Huntsville, Morgan. Percolation test results submitted without proof that the ambient temperature was within the allowable range may be rejected.

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.

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.

If you have any questions, please feel free to contact this office at your convenience.

Sincerely,

Michael Dant, LEHS  
Environmental Health Division  
801-399-7160

MD