

BRIAN COWAN, MPH, LEHS
Health Officer/Executive Director

May 13, 2025



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

RE: **Parcel OWTS Feasibility Determination**
Kyle Douglas
Approx Address 3401 E 5100 N, Liberty, UT 84310
Parcel #22007112
Soil log #15681

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on October 23, 2024. 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 #2 (UTM Zone 12 Nad 83 0427473 E, 4578009N)
0-16" Loam, Granular Structure
16-40" Gravelly Sandy Loam, Blocky Structure, 45% Gravel
40-85" Cobbly Loamy Coarse Sand, Single Grain Structure, 70% Gravel-Cobble

DESIGN REQUIREMENTS

The soil and percolation information for the above-referenced lot have been reviewed. 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.** The well will need to be dug, tested and the water supply approved prior to issuance of a wastewater disposal permit.

Anticipated ground water tables not to exceed 60 inches. Due to the cobbly loamy coarse sand, single grain structure soil horizon beginning at 40 inches below grade with a percolation rate of 2.35 minutes per inch the property fall within the range of acceptability for a Mound Treatment System with a maximum trench depth limited to 0 inches. The absorption system is to be designed using a maximum loading rate of 0.45 gal/sq. ft. /day as required for a fine sandy loam, massive structure.

or

Anticipated ground water tables not to exceed 60 inches, and soil classified as Type 1, fall within the range of acceptability for a Packed Bed Media Treatment System with non-chemical disinfection followed by a conventional trench with a maximum trench depth limited to 12 inches. The absorption system is to be designed using a maximum loading rate of 0.9 gal/sq. ft. /day as required for a loamy coarse sand, single grain structure with high cobble content soil horizon with a documented percolation rate of 2.35 minutes per inch.

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.

The following items are required for a formal **subdivision review**; application, receipt of the appropriate fee, and a full sized copy of the subdivision plats showing the location of exploration pits and percolation tests as well as the documented soil horizons and percolation rates. A subdivision review will not occur until all items are submitted. Mylars submitted for signature without this information will be returned

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.

Sincerely,

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

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