



November 8, 2018

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

RE: Old Snow Basin Ranch Proposed Subdivision, Lot 2 only  
5715 N Old Snowbasin Road, Huntsville, UT 84050  
Parcel #20-040-0006  
Soil Log 14682

Gentlemen:

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.

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on November 16, 2018. 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 #TP lot 1 (UTM Zone 12T, Nad 83, 432307E 4564996N)  
0-16" loam, granular, high organic content, no mottling  
16-38" loam (near clay loam), well defined blocky structure, no mottling  
38-44" clay loam, blocky structure, some mottling  
44-66" sandy clay loam, massive structure, mottling not determined, matrix is white, layer may not be horizontally contiguous and is likely found in isolated pockets  
66-77" clay loam, massive structure

#### DESIGN REQUIREMENTS

Lot 2: Documented ground water tables not to exceed 36 inches, fall within the range of acceptability for the utilization of a Packed Bed Media Pretreatment System followed by a drip irrigation disposal system with a maximum depth of 6 inches below original grade as a means of wastewater disposal. The absorption system is to be designed using a maximum loading rate of 0.4 gal/sq. ft. /day as required for a loam (near clay loam), blocky structure soil horizon.

The determination of the system type has been based on the depth of which mottling has been identified thus defining the depth of anticipated ground water. The soil layers located at a depth of 38 inches and below observed during the soil evaluation are high clay, slow moving soil types anticipated to exceed the permissible limit for a onsite wastewater treatment system. The Packed Bed Media pretreatment system followed by a shallow drip irrigation system is permissible with a minimum of 36 inches of suitable soils and a maximum separation distance of 12 inches between bottom of trench or drip line and anticipated ground water.


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,

  
Summer Day, LEHS  
Environmental Health Division  
801-399-7160

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