

BRIAN COWAN, MPH, LEHS
Health Officer/Executive Director

December 14, 2022



Weber County Planning Commission
2380 Washington Blvd.
Ogden, UT 8

RE: Preliminary Subdivision **Determination**
Sky Ranch 1st Amendment Subdivision, 2 lots
Parcel #21-172-0003
Soil log #15414

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.

DESIGN REQUIREMENTS

Lot 4: Anticipated ground water tables not to exceed 60 inches, fall within the range of acceptability for the utilization of a Conventional Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 12 inches. The absorption system is to be designed using a maximum loading rate of 0.45 gal/sq. ft. /day as required for a sandy loam, massive structure soil horizon.

Lot 5: Anticipated ground water tables not to exceed 60 inches, fall within the range of acceptability for the utilization of a Conventional Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 18 inches. The absorption system is to be designed using a maximum loading rate of 0.45 gal/sq. ft. /day as required for a silt loam, massive structure soil horizon with a documented percolation rate of 60 minutes per inch.. **The absorption field is restricted to within 50 feet of soil exploration pit #1** soil log 15414, located at UTM Zone 12 Nad83 0435453 E 4569489N. The absorption system will likely be designed in an area of 10% slope or greater it must be designed to follow the contour of the property.

ENGINEERING NOTES LOT 5:

The feasible area is sandwiched between an area to the south known to have a high-perched groundwater table cause by surface water flow over constrictive clay soils, and a drainage to the north known to have high groundwater due to seasonal runoff. The location of the absorption system has therefore been limited to a specific area.


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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