



May 26, 2021

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

RE: John Gally
3280 N Highway 162
Parcel #22-022-0047
Soil log #15079

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.

DESIGN REQUIREMENTS

Exploration Pit #1: Anticipated ground water tables not to exceed 36 inches and excessively permeable soil located at a depth of 55 inches, fall within the range of acceptability for the utilization of a Wisconsin Mound System or Packed Bed Media System as a means of wastewater disposal. Maximum trench depth is limited to 0 inches for a Wisconsin Mound System and 18 inches for a Packed Bed Media System. The absorption field is to be designed using a maximum loading rate of 0.32 gal/ft²/day for a Wisconsin Mound System and 0.65 gal/ft²/day for a Packed Bed Media System as required for the gravelly sandy loam, granular structure soil horizon.

Exploration Pit #2: Anticipated ground water tables not to exceed 36 inches and excessively permeable soil located at a depth of 14 inches, fall within the range of acceptability for the utilization of a Packed Bed Media System with non-chemical disinfection as a means of wastewater disposal. Maximum trench depth is limited to 24 inches. The absorption field is to be designed using a maximum loading rate of 0.9 gal/ft²/day as required for the extremely gravelly loamy coarse sand, single grain structure soil horizon.

ENGINEERING NOTES

- (1) Many ditches are present on this property within 50 feet of some of the soil evaluation test pits. Packed Bed Media Systems are required to maintain a 50-foot setback from any drainage ditches, open bodies of water, intermittent streams, etc. Wisconsin Mound systems are required to maintain a 100-foot setback from the same open water features.
- (2) A majority of this property is designated as a FEMA Flood Zone A. Above ground septic systems, such as Wisconsin Mounds, are required to provide a 25-foot zone of protection when installed within floodplain areas.
- (3) Drainfield areas must be placed within 50 feet of their respective soil evaluation test pits.

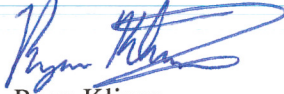
Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

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,

A handwritten signature in blue ink, appearing to read "Ryan Klinge", with a stylized flourish at the end.

Ryan Klinge
Environmental Health Division
801-399-7160