

September 24, 2021



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

RE: Preliminary Subdivision **Determination**
Gateway Estates Phase 3, 8 lots
Parcel #21-013-0001, 21-013-0009, & 21-013-0007
Soil log #15128

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 24-31:

Anticipated ground water tables not to exceed 75 inches, fall within the range of acceptability for the utilization of a Packed Bed Media 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 0.35 gal/sq. ft. /day as required for a sandy clay loam, massive structure soil horizon with a documented percolation rate between 60-120 minutes per inch.

ENGINEERING NOTE:

- 1) A sufficient separation in elevation between the bottom of the absorption trench or drip irrigation system and the elevation of the seasonal drainage must be shown in the engineered onsite wastewater plan.
- 2) Some site may require a trench depth deeper than 18 inches to meet the regulatory requirement listed below. If the slope of the engineered onsite wastewater system exceeds 15% please request an updated letter of feasibility for the lot and or approval for a deeper trench via email. For approval of a deeper trench our office will need to verify that suitable soil to of depth of 36 inches below the bottom of the proposed trench have been classified and certified percolation test results submitted. If sufficient soils have not been classified, than the engineer will need to design a drip irrigation system as means of dispersal following the packed bed media.

UAC_R3117-4-6.14.b. Sloping Ground. Absorption systems placed in 10% or greater sloping ground shall be designed so that there is a minimum of 10 feet of undisturbed earth measured horizontally from the bottom of the distribution line to the ground surface. This requirement does not apply to drip irrigation.

LOT 26:

The soil evaluation test pit located on lot 26 is shown across the seasonal drainage from the area shown to meet the 20,000 contiguous square foot area with 25% slope or less. Sufficient area within 50-100 feet of soil evaluation test pit 26 is shown as 25% slope or less. The onsite wastewater system will need to be designed within 50 feet of the soil evaluation test pit 26. The system design may require a pump and pump chamber. Alternatively additional soils may be performed nearer the location of the proposed residence.

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 "Summer Day", written over a circular stamp.

Summer Day, LEHS III, Program Manger
Environmental Health Division
801-399-7160