

BRIAN COWAN, MPH, LEHS
Health Officer/Executive Director



August 19, 2021

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

RE: Preliminary Subdivision **Determination**
Mountain View Land and Livestock Subdivision, 21 lots
Parcel #10-048-0011 & 10-048-0030 (updated 8/19/2021)
Soil log #15126

Gentlemen:

The soil and percolation information for the above-referenced lot have been reviewed. Culinary water will be provided by West Warren-Warren Water Improvement District, an approved water system. **A letter from the water supplier is required prior to issuance of a permit**

DESIGN REQUIREMENTS

Lot 1, 3, 5, 8, 12, 14, 18 and 20: Documented ground water tables not to exceed 24 inches, fall within the range of acceptability for the utilization of an At-grade Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 0 inches. The absorption system is to be designed using a maximum loading rate of 0.40 gal/sq. ft. /day as required for a fine sandy loam, massive structure soil horizon.

Lot 2, 4, 6, 7, 10, 16, 19, and 21: Documented ground water tables not to exceed 24 inches, fall within the range of acceptability for the utilization of an At-grade Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is 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 sandy loam, massive structure soil horizon.

Lots 9, 11, 13, 15, 17

Documented ground water tables not to exceeding 24 inches, fall within the range of acceptability for the utilization of a Mound Treatment System or a Packed Bed Media System followed by an At-Grade or drip irrigation absorption area, as a means of wastewater disposal. Maximum absorption area depth is limited to 0 inches. As defined in the Utah Administrative Code R317-4 Table 6 the absorption area is to be designed using a maximum loading rate of 0.22 gal/sq. ft./day for a Mound absorption area, or 0.45 gal/sq. ft./day for the At-Grade or drip irrigation absorption area as required for the sandy loam, massive structure soil horizon.

Lots 9, 11, 13, 15, 17 additional work required for At-Grade consideration

Percolation tests could not be ran at the time of the original soil evaluation work, due to depth of ground water table. For consideration of an At-Grade wastewater system feasibility on these lots, please conduct the required percolation test so that the bottom of the percolation test hole is at 48 inches dep from the original grade.

ENGINEERING CONSIDERATIONS

- 1) The large storm water/drainage ditch will need to be enclosed for LOT1 and LOT2 to be easily engineered for an At-grade Wastewater Disposal System. If the storm water/drainage ditch is not enclosed, these lots may require a Packed Bed Media system. This item will be reviewed through the subdivision process.
- 2) Additional information will be required to evaluated any impact the 1.6 acre irrigation pond may have on the adjacent lots.

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

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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 III, Program Manager
Environmental Health Division
801-399-7160