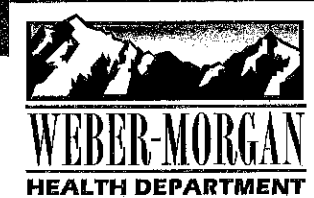


BRIAN W. BENNION, M.P.A., L.E.H.S.
Health Officer/Executive Director



February 10, 2021

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

RE: Preliminary Subdivision **Determination**
Harbor Estates Subdivision, 4 lots
Parcel #21-026-0014
Soil log #13163

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 1, 3, & 4: Documented ground water tables not to exceed 48 inches. Due to the gravelly loamy sand, single grain structure soil horizon beginning at 48 inches below grade the property falls within the range of acceptability for the utilization of a 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 0.55 gal/sq. ft. /day as required for a sandy loam to silt loam, massive structure soil horizon.

Lot 2: Documented ground water tables are not expected to exceed 48 inches. Due to the gravelly loamy sand, single grain structure soil horizon beginning at 33 inches below grade with a percolation rate of less than 5 minutes per inch the property falls within the range of acceptability for the utilization of a Wisconsin Mound Treatment System or a Packed Bed Media System as a means of wastewater disposal. As defined in the Utah Administrative Code R317-4 Table 6 the absorption area is to be designed using a maximum loading rate of 0.27 gal/sq. ft./day for a Wisconsin Mound absorption area, or 0.55 gal/sq. ft./day for the Packed Bed Media absorption area as required for the sandy loam to silt loam, massive structure soil horizon. Maximum absorption area depth is limited to 0 inches for the Wisconsin Mound system and 24 inches for the Packed Bed Media System.

ENGINEERING CONSIDERATIONS:

Please be aware that the Weber-Morgan Health Department Onsite Wastewater Treatment System Regulation Section 4.14. requires soil exploration pits and percolation tests shall be conducted within 50 feet of the proposed absorption system site. Thus, additional soil exploration pits and percolation tests may be required if the proposed absorption field is outside of the evaluated 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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