



October 16, 2023

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

RE: Preliminary Subdivision **Determination**
Arrowleaf Subdivision, 9 lots
Parcel #22-008-0013 & 22-008-0067
Soil log #15431

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, 5, 8 & 9: Documented ground water tables not to exceeding 12 inches, fall within the range of acceptability for the utilization of a Wisconsin 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 Wisconsin Mound absorption area, or 0.45 gal/sq. ft./day for the Packed Bed Media absorption area as required for the sandy loam-loam, massive structure soil horizon.

Lot 2 Documented ground water tables not to exceeding 24 inches, fall within the range of acceptability for the utilization of a Packed Bed Media System followed by an Absorption Trench or Drip Irrigation absorption area, as a means of wastewater disposal. Maximum absorption area depth is limited to 12 inches. The absorption system is to be designed using a maximum loading rate of 0.35 gal/sq. ft. /day as required for a clay loam, blocky structure soil horizon with a documented percolation rate of 120 minutes per inch.

Lot 3, 6 & 7: Documented ground water tables not to exceeding 12 inches, fall within the range of acceptability for the utilization of a Wisconsin 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 0.25 gal/sq. ft./day for a Wisconsin Mound absorption area, or 0.5 gal/sq. ft./day for the Packed Bed Media absorption area as required for the sandy loam, blocky-massive structure soil horizon.

Lot 4: Documented ground water tables not to exceeding 24 inches, fall within the range of acceptability for the utilization of a Packed Bed Media System followed by an Absorption Trench or Drip Irrigation absorption area, as a means of wastewater disposal. Maximum absorption area depth is limited to 12 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, granular structure soil horizon with a documented percolation rate of 120 minutes per inch. **Please be aware that the location of the soil exploration TP4B which the feasibility of this lot is based upon is located across the drainage from the proposed building pad.** The future property owner may want to do additional site and soil work so that engineering of the system may be simplified

HOA Open Space Lot: This lot is identified as open space possibly a park. It has not been evaluated for the installation of an onsite wastewater treatment system or its ability to meet the minimum subdivision standards established in the Utah Administrative Code R317-4 or the Weber-Morgan health Department Onsite Wastewater Treatment System Regulation.

ENGINEERING CONSIDERATION:

The cost of a mound system is greatly increased when designed to go on to a sloping property (exceeding 10%). This is based on the quantity of C33 sand required in the construction of a mound on a sloping site. It is recommended that you discuss this with your certified onsite wastewater designer and receive a cost comparison of both a mound and a packed bed media onsite wastewater treatment system.

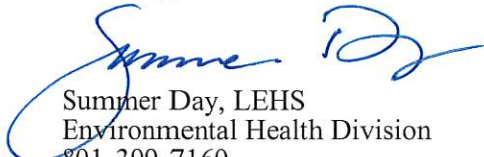
Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

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