

April 2, 2020

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

RE: Preliminary Subdivision **Determination**
Vaquero Village Cluster Subdivision Phase 1, 1st Amendment, 16 Lots
Parcel #10-165-0014
Soil log #14273

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on April 1, 2020. The exploration pits are located at the referenced GPS coordinate and datum. The soil texture and structure, as classified using the USDA system, are as follows:

Exploration Pit #Lot 14 (UTM Zone 12 Nad 83 0403491 E 4567487 N)
0-16" Loam, Granular Structure
16-34" Loam, Blocky Structure, Few Red Mottles Below 20"
34-53" Silty Clay Loam, Massive Structure, Many Red Mottles Throughout
Ground water @ 53"

Exploration Pit #Lot 15 (UTM Zone 12 Nad 83 0403495 E 4567533 N)
0-15" Loam, Granular Structure
15-36" Loam, Blocky Structure, Few Red Mottles Below 18"
Below 36" Silty Clay Loam, Massive Structure, Many Red Mottles Throughout
Ground water @ 36"

Exploration Pit #Lot 16 (UTM Zone 12 Nad 83 0403407 E 4567521 N)
0-12" Loam, Granular Structure
12-28" Very Fine Sandy Loam, Blocky Structure, Few Red Mottles Below 16"
28-37" Very Fine Sandy Loam, Massive Structure, Many Red Mottles Throughout
Ground water @ 37"

Exploration pits should be backfilled immediately upon completion to prevent a hazardous environment that may cause death or injury to people or animals.

DESIGN REQUIREMENTS

Culinary water will be provided by West Warren-Warren Improvement District, an existing approved community water system. **A letter from the water supplier is required prior to issuance of a permit.**

Existing Lots 1-13: Documented ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Mound Absorption System, or a Packed-Bed Media Filter with an At-Grade absorption area or Subsurface Drip Distribution System as a means of wastewater disposal. Maximum absorption system depth is limited to 0 inches below the original grade. The absorption system is to be designed using a maximum loading rate of 0.4 gal/ft²/day as required for the documented soil textures and soil structures located on the property.

Lot 14-16: Documented ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Mound Absorption System, or a Packed-Bed Media Filter with an At-Grade absorption area or Subsurface Drip Distribution System as a means of wastewater disposal. Maximum absorption system depth is limited to 0 inches below the original grade. The absorption system is to be designed using a maximum

loading rate of 0.4 gal/ft²/day as required for the documented soil textures and soil structures located on the property.

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,



Ryan Klinge
Environmental Health Division
801-399-7160