

December 2, 2015

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

RE: Holley Farm Subdivision, 4 lots (Revised)
818 N 7800 E, Huntsville
Parcel #21-006-0033
Soil log#13997

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on November 1, 2013 Exploration Pits 1-5 and October 9, 2014 Exploration Pit# 6. The exploration pit (s) is located at the referenced GPS coordinate and datum. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 (12T) 436360 E 4569326 N

0-7" silty loam, granular structure
7-27" silty clay loam, blocky structure
27-45" clay loam, massive structure

Ground water was observed at 45 inches the day of the onsite evaluation

Exploration Pit #2 (UTM Zone 12 Nad 83 (12T) 436398 E 4569326 N

0-5" silty loam, granular structure
5-44" silty clay loam, blocky structure
44-54" coarse sandy loam, massive structure

Ground water was observed at 54 inches the day of the onsite evaluation

Exploration Pit #3 (UTM Zone 12 Nad 83 (12T) 436458 E 4569335 N

0-5" silty loam, granular structure
5-20" silty clay loam, blocky structure
20-31" silty clay loam, granular structure, reduced
31-48" silty clay loam, granular structure, oxidized

Ground water was observed at 48 inches the day of the onsite evaluation

Exploration Pit #4 (UTM Zone 12 Nad 83 (12 T) 436508 E 4569331 N)

0-20" silty clay loam, granular structure
20-26" silty clay loam, blocky structure
26-28" silty clay loam, granular structure, reduced
28-62" silty clay loam, granular structure, oxidized

Ground water was observed at 62 inches the day of the onsite evaluation

Exploration Pit #5 (UTM Zone 12 Nad 83 (12T) 436543 E 4569307 N)
0-6" loam, granular structure
6-30" loam, massive structure
30-66" silty loam, granular structure
Ground water observed at 66 inches the day of the onsite evaluation

Exploration Pit #6 (UTM Zone 12 Nad 83 (12T) 436567 E 4569299 N)
0-20" silty loam, large granular structure
20-92 silty loam, fine granular structure, 51-92" oxidized

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 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.

Lot 1: Anticipated ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Wisconsin 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 0.22 gal/sq. ft. /day as required for the silty clay loam and silt loam, blocky and granular structure soil horizon. **The system is restricted to the east side of the property due to documented higher ground water table to the west.**

Lots 2-4: Anticipated ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Wisconsin 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 0.22 gal/sq. ft. /day as required for the silty clay loam and silt loam, blocky and granular structure soil structure soil horizon.

Documentation showing the Deed Covenant and Restriction is recorded will be required before a permit will be issued.

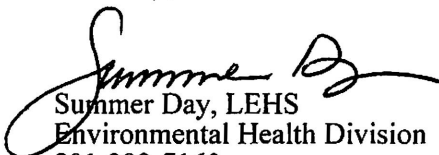
Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

All subdivision plats submitted for review are to show the location of exploration pits and percolation tests. Key number or letter designation will be provided by this office along with logs of soil horizons and final percolation rates. Mylars submitted for signature without this information will be returned.

Each on-site individual wastewater disposal system must be installed in accordance with R317-501 through R317-513, 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