

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



July 29, 2020

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

RE: Falcon Crest HOA
Approx. 8900 E 1800 S
Parcel #21-071-0004
Soil log #14982

Gentlemen:

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 around the well. The well will need to be dug, tested and the water supply approved prior to issuance of a wastewater disposal permit.

DESIGN REQUIREMENTS

Anticipated ground water tables are not expected to exceed 36 inches. Due to the gravelly coarse loamy sand, single grain structure soil horizon beginning at 36 inches below grade with a percolation rate of 3 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 0.32 gal/sq. ft./day for a Wisconsin Mound absorption area, or 0.65 gal/sq. ft./day for the Packed Bed Media absorption area as required for the sandy loam, massive structure soil horizon. Maximum absorption area depth is limited to 0 inches for the Wisconsin Mound system and 18 inches for the Packed Bed Media 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.

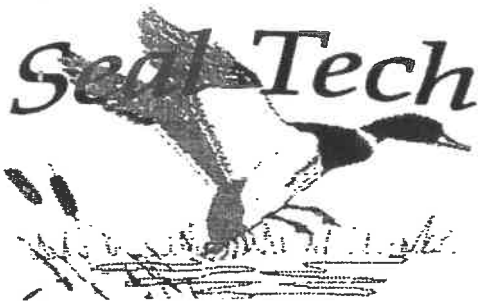
Please be advised that the conditions of this letter are valid for a period of 18 months. At that time, the site will be re-evaluated in relation to rules in effect at that time.

Sincerely,

Craig Jorgensen, LEHS
Environmental Health Division
801-399-7160

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phone: 801-399-7100 | fax: 801-399-7110 | 477 23rd Street, Ogden, UT 84401 | www.webermorganhealth.org



Hello Kirk,

Here is your perk test results for pit 1.

Percolation Test Sheet

Name of project or development: falcon crest Date: 7/9/20
 Location of Property: 48" soil perk number #1
 Names of person performing test: James Green Percolation test #: 1
 length of presaturation: 4 hours time interval used: 10 min
 Final depth from surface: 48" Soil swell time: 20 hours
 Hole Dimenter: 13"-14" Water table depth: NA

Percolation test	Depth of water	Beginning time	Ending time	Drop in inches	Elapsed time in	Perc rate min/inch	
1	1	6"	11:20	11:30	6"+	10	#VALUE!
2	2	6"	11:30	11:40	6	10	2
3	3	6"	11:40	11:50	4 6/16	10	2
4	4	6"	11:50	12:00	4	10	3
5	5	6"	12:00	12:10	3 9/16	10	3
6	6	6"	12:10	12:20	3 6/16	10	3
7	7	6"	12:20	12:30	3 4/16	10	3
8	8	6"	12:30	12:40	3 5/16	10	3
9			12:40	12:50			
10			12:50	13:00			
11							

Date of test: 7/9/20
 Soil perc rate: 3

Decriptive log of soil and weather :

Weather: Sunny
 Signature: James Green #00614-OSP-3

Best

James Green
 Sealtech@live.com
 801-529-0708