



December 2, 2015

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

RE: Wastewater Site and Soils Evaluation #14273 (test pits/lots 1-3)
6797 W. 900 S. West Warren
Parcel # 10-036-0013

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on October 28, 2015. The exploration pit (s) is located at the referenced GPS coordinate and datum. The soil texture and structure, as classified using the USDA system, are as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 403497 E 4567214 N)

0-13" sandy loam, granular
13-46" loam, massive
46-66" fine sandy loam, massive
Ground water @ 66"

Exploration Pit #2 (UTM Zone 12 Nad 83 403465 E 4567221 N)

0-12" sandy loam, granular
12-70" loam, massive, mottling at 35"
Ground water @ 70"

Exploration Pit #3 (UTM Zone 12 Nad 83 403455 E 4567183 N)

0-12" sandy loam, granular
12-27" fine sandy loam, massive
27-67" loam, massive, mottling at 40"
Ground water @ 67"

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

A letter from the water supplier is required prior to issuance of a permit.

Anticipated ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Wisconsin Mound 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 0.25 gal/sq. ft. /day as required for the loam, granular structure soil horizon.

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.

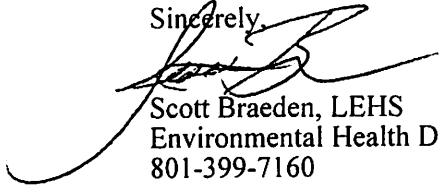
Each on-site individual wastewater disposal system must be installed in accordance with R317-501 through R317-513, Utah Administrative Code, Individual Wastewater Disposal Systems and Weber-Morgan District Health Department Rules. Final approval will be given only after an on-site inspection of the completed project and prior to the accomplishment of any backfilling.

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If you would like the health department to consider a conventional wastewater system, monitoring of the maximum ground water table will be required in the location of the above listed exploration pit. Please complete the enclosed application for maximum ground water table monitoring and return it along with the appropriate fees. The wells should be constructed in accordance with the enclosed diagram in order to provide the most accurate water table readings possible.

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,



Scott Braeden, LEHS
Environmental Health Division
801-399-7160



March 28, 2016

Barrow Land & Livestock
6797 W 900 S
Ogden, UT 84404

Subject: Water Table Monitoring located at 7116 W 900 S in Ogden, UT. Land serial #10-036-0013

Dear Mr. Barrow

This letter is to notify you of the results for water table monitoring that was conducted on your property. Monitoring was performed from January 13, 2016 through March 4, 2016. The peak ground water level was observed on February 16, 2016 through February 22, 2016.

As determined by physical measured of the water table two different system types have been found suitable for the subject property. In the area of monitoring wells 1S-3N, 4W-6N, and 10W-12N the water table remained below 12 inches throughout the monitoring period. Therefore, a **Mound or Packed Bed Media System** would be suitable for the property with respect to water table. In the area of monitoring wells 7W-9N and 13S-15N the water table remained below 24 inches throughout the monitoring period. Therefore, an **At-Grade Wastewater Disposal System** would be suitable for the property with respect to water table. The overall ground water flow appears to be lower on the Northeast portion of the property. A map has been included for reference

The Weber-Morgan Health Department does not assert that this property meets zoning, subdivision or any other development feasibility requirements.

If not already accomplished, the following requirements must be satisfied in accordance with Utah Administrative code R317-4 and Weber-Morgan Health Department Onsite Wastewater Treatment System regulation, before the Weber-Morgan Health Department is able to issue a letter of feasibility for residential development on the property:

1. Approval of onsite systems in western Weber County is made in accordance with the AGround Water Management Plan for Western Weber County, (adopted by the Weber-Morgan Board of Health 27 August 2001). The plan addresses replacement systems and density requirements.

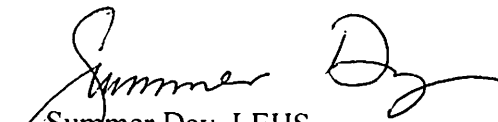
2. **Drinking water.** Culinary drinking water must be provided by an approved public water system or an approved private well. Properties to be served by a public water system must provide our office with a letter from the utility company, documenting that the system is capable of provided water to the property. If a private well is to be used, the well must be permitted and approved by a member of this office.
3. **Soils Evaluation and Percolation Testing.** Soil exploration pits shall be made at the minimum rate of one exploration pit per lot proposed. Application and guidance for soils evaluation are available at the health department or online at webermorganhealth.org. Percolation tests may be required based on soil types and must be performed by a certified individual. A list of certified individual is available at the health department

Once feasibility has been demonstrated, and the following requirements have been satisfied, the health department will then be able to issue an Onsite Wastewater Disposal Permit:

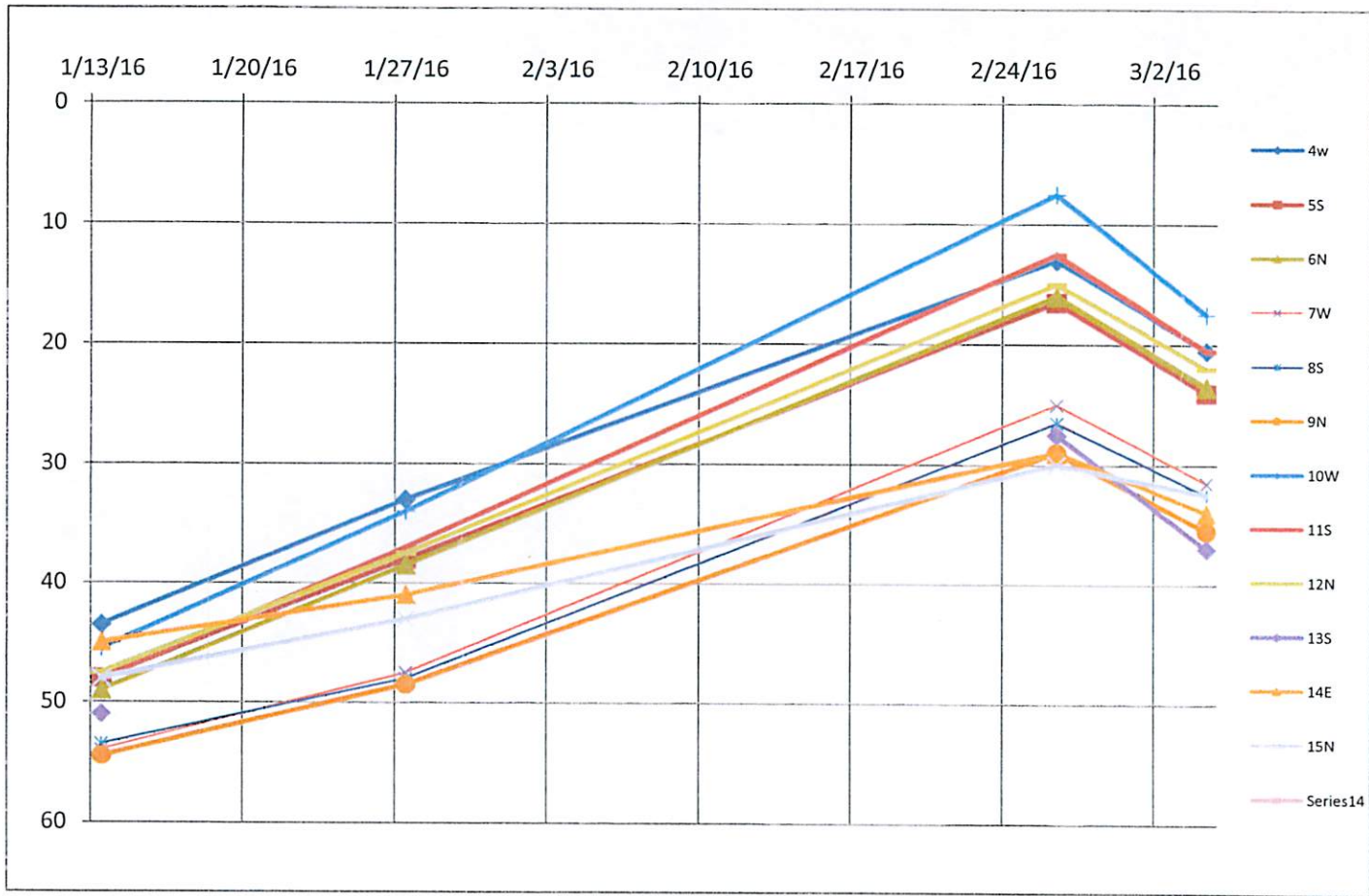
1. **System design.** Alternative systems must be designed by a Certified, level 3 onsite systems professional or other qualified professional. The system must be designed in accordance with Utah State Rule, R317-4, Onsite Wastewater Systems and Weber-Morgan Health Department Rules for Individual Wastewater Systems.
2. **Building plans.** Plans must include the property's dimensions, topographical features, easements, a floor plan (indicating the number of bedrooms and basement, if applicable), driveways and outbuildings and lot dimensions, placement of the onsite system and the location of system replacement area (must accommodate 100% replacement of the original system).
3. **Subdivision plans.** The location of all exploration pits and percolation test holes shall be clearly identified on the subdivision final plat and identified by a key number or letter designation. The results of such soil test, including stratified depths of soils and final percolation rates for each lot shall be recorded on or with the final plat.

Attached is a copy of all water table measurements and observations. Please contact this office or the undersigned at 801-399-7160 if you have questions.

Sincerely,




Summer Day, LEHS
Environmental Health Division







1 inch = 200 feet
map scale 1:2400

- Legend**
-  watertable_master
 -  test pit