

April 22, 2021

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

RE: Gilbert Miller
1831 N 6700 W Warren, UT
Parcel #10-029-0001
Soil log #14913

Gentlemen:

The soil and percolation information for the above-referenced lot have been reviewed. Culinary water will be provided by West Warren-Warren Water Improvement District, an approved community water system. **A letter from the water supplier is required prior to issuance of a permit.**

DESIGN REQUIREMENTS

Anticipated ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of a Wisconsin Mound Treatment System or a Packed Bed Media Treatment System followed by an At-Grade absorption area as a means of wastewater disposal. Maximum trench depth is limited to 0 inches. The absorption field is to be designed using a maximum loading rate of 0.22 gal/ft²/day for a Wisconsin Mound absorption area, or 0.4 gal/ft²/day for the At-Grade absorption area as required for the clay loam, granular structure soil horizon.

ENGINEERING CONSIDERATION

This property is adjacent to a canal to the north and a pond created by overflow runoff from a well in the center. The proposed wastewater disposal system absorption and replacement areas must maintain a minimum setback of 100 feet from all ditches, canals, bodies of surface water, etc. This setback can be reduced to 50 feet for Packed Bed Media Systems.

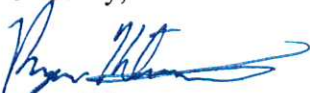
Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

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

April 22, 2021

Jim Miller
2189 N 4425 W
Plain City, Utah 84404

Subject: Water Table Monitoring, Located at 1831 N 6700 W in Ogden, Utah. Parcel #10-029-0001.

This letter is to notify you of the results for water table monitoring conducted on your property. Monitoring was performed from January 14, 2021 through March 18, 2021.

The high water table for the subject property was measured at 25 inches below ground surface throughout the monitoring period. In years where the precipitation falls below seasonal averages, Utah Administrative Code R317-4 allows for an adjusted maximum water table based on one or more of the following:

- i. Regular monitoring of the ground water table, or ground water table, perched, in an observation well for a period of one year, or for the period of the maximum groundwater table
 - (1) Previous ground water records and climatological or other information may be consulted for each site proposed for an onsite wastewater system and may be used to adjust the observed maximum ground water table elevation.
- ii. Direct visual observation of the maximum ground water table in a soil exploration pit for:
 - (1) Evidence of crystals of salt left by the maximum ground water table; or
 - (2) Chemically reduced iron in the soil, reflected by redoximorphic features, i.e. a mottled coloring.
 - (3) Previous ground water records and climatological or other information may be consulted for each site proposed for an onsite wastewater system and may be used to adjust the observed maximum ground water table elevation in determining the anticipated maximum ground water table elevation.

The water table for the subject property remained below 12 inches throughout the monitoring period. Therefore, a **Wisconsin Mound Wastewater Disposal System or Packed Bed Media Wastewater Disposal System with an At-Grade Absorption Area** would be suitable for the property with respect to water table.

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 Ground 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.** Indicate the source. If a private well is used to supply drinking water, the well must be installed and approved.
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 www.webermorganhealth.org. Percolation tests may be required based on soil types and must be performed by a certified individual. A list of certified individuals is available at the health department.

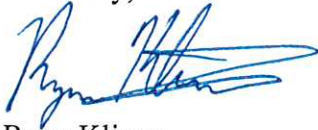
After the requirements above are satisfied, the health department will issue a letter of feasibility for the placement of an onsite wastewater disposal system on the subject property.

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,

A handwritten signature in blue ink, appearing to read "Ryan Klinge", with a stylized flourish extending to the right.

Ryan Klinge
Environmental Health Division
Weber-Morgan Health Department

2021 WATER TABLE DATA

Name Jim Miller
 Address 1831 N 6700 W
 Land serial 1002900001

number of wells	3
number of sites	1
total readings	0

Table Key
exceed 36"
exceed 24"
exceed 12"

DATE	1/14/21	1/21/21	1/28/21	2/4/21	2/10/21	2/18/21	2/24/21	3/3/21	3/11/21	3/18/21	10	11	12	13	14	15	16	17
READING #	1	2	3	4	5	6	7	8	9									
WELL #																		
1N	35.5	36	34	30.5	30	25	27	29.5	30.5	32								
2W	39.5	39	37.5	37	36	34.5	33.5	33.5	33.5	33								
3E	31.5	33	32.5	32	31.5	28.5	28	27.5	27.5	27.5								

