December 1, 2021

Derrick Oman

1990 N 2000 W

Farr West, Utah 84404

RE: Wastewater Site and Soils Evaluation #15306

 510 N 5500 W Warren, UT

 Parcel # 15-024-0004

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on December 1, 2021. 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 #Lot 1 (UTM Zone 12 Nad 83 0406831 E 4569091 N)

0-22" Loam, Granular Structure, sand size medium to fine

22-37" Clay Loam, Massive Structure, sand size fine,

37-64" Silt Loam (near silty clay loam), Massive Structure, sand size fine,

Groundwater Encountered at time of soil evaluation at 58" below grade

**Lot1: Conduct the required percolation test so that the bottom of the percolation test hole is at 30 inches deep from the original grade.**

Exploration Pit #Lot 2 (UTM Zone 12 Nad 83 0406886 E 4569086 N)

0-15" Loam, Granular Structure, sand size medium to fine

15-23" Fine Sandy Loam, Massive Structure, sand size fine, dense, Mottles common below 19” 23-40" Silt Loam (near silty clay loam), Massive Structure, sand size fine, Mottles common

40-72" Clay Loam, Massive Structure, sand size fine, Mottles common

**Lot2: Conduct the required percolation test so that the bottom of the percolation test hole is at 30 inches and 46 inches deep from the original grade.**

Exploration Pit #Lot 3 (UTM Zone 12 Nad 83 0406943 E 4569085 N)

0-11" Silt Loam, Granular Structure, sand size fine

11-26" Silt Clay Loam, Massive Structure, sand size very fine

26-79" Silt Clay, Massive Structure, sand size very fine

Groundwater Encountered at time of soil evaluation at 79" below grade

**Lot 3: Conduct the required percolation test so that the bottom of the percolation test hole is at 18 inches and 36 inches deep from the original grade.**

Exploration Pit #Lot 4 (UTM Zone 12 Nad 83 0406831 E 4569091 N)

0-15" Loam, Granular Structure, sand size medium to fine

15-49" Silty Clay Loam, Massive Structure, sand size fine, Mottles few below 46 inches, perc?

49-77" Fine Sandy Loam, Massive Structure, sand size fine, Mottles common perc

**Lot 4: Conduct the required percolation test so that the bottom of the percolation test hole is at 28 inches deep from the original grade.**

Exploration Pit #Lot 5 (UTM Zone 12 Nad 83 0407065 E 4569084 N)

0-17" Fine Sandy Loam (near sandy clay loam), Granular Structure, sand size fine, dense

17-48" Silt Clay Loam, Massive Structure, sand size fine, Mottles common

48-62" Clay Loam, Massive Structure, sand size fine, Mottles common

**Lot 5: Conduct the required percolation test so that the bottom of the percolation test hole is at 30 inches deep from the original grade.**

Exploration Pit #Lot 6 (UTM Zone 12 Nad 83 0407135 E 4569081 N)

0-10" Loam, Granular Structure, sand size medium to fine

10-30" Clay Loam, Massive Structure, sand size fine

30-52" Silty Loam (near silty clay loam), Massive Structure, sand size fine, Mottles common

52-65" Fine Sandy Loam, Massive Structure, sand size fine, Mottles common

**Lot 6: Conduct the required percolation test so that the bottom of the percolation test hole is at 24 inches deep from the original grade.**

Exploration Pit #Lot 7 (UTM Zone 12 Nad 83 0407187 E 4569084 N)

0-13" Loam, Granular Structure

13-42" Silt Clay Loam, Massive Structure, sand size fine, Mottles common

42-61" Clay Loam, Massive Structure, very fine sands and high silt content

**Lot:7 Conduct the required percolation test so that the bottom of the percolation test hole is at 30 inches deep from the original grade.**

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

Due to the soil types existing on this property, the final readings of the **percolation tests will need to be witnessed by a representative from the Health Department**. Please make the percolation tester aware of the requirement so that arrangements can be made. Test results will not be accepted if this requirement is not met.

Percolation tests may be completed by any individual on the enclosed list. The stabilized percolation test results are to be submitted to this office for review prior to the recommendation for further development to the appropriate planning agency or prior to the issuance of a wastewater disposal permit.

Monitoring of the maximum ground water table is required in the location of the above listed exploration pits. 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.

If you have any further questions, contact this office at your convenience.

Sincerely,

Summer Day, LEHS III, Program Manager

Environmental Health Division

801-399-7160