

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



October 5, 2018

Mountain Luxury
2640 N Hwy 162 Suite 3
Eden, U T 84310

RE: Old Snow Basin Ranch Proposed Subdivision
Wastewater Site and Soils Evaluation #14682 (revised)
5715 N Old Snowbasin Road, Huntsville, UT 84050
Parcel #20-035-0021, 20-035-0059, 20-040-0005, & 20-040-0006

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on June 12, 2018. The exploration pit is located on the enclosed plat developed during the site evaluation along with the assigned numerical code for each exploration pit. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #Lot 3 (UTM Zone 12 Nad 83 432574E 4564975N)
0-19" loam, granular structure, no mottles (0.5 gpd/sq ft)
19-40" silt clay loam, granular structure, many mottles red at 31" grey and red at 35" and below, (0.4 gpd/sq ft)(e)(h)-**Resulting percolation test results 120 minute per inch @ 30 inches**
40-95" gravely clay loam, weakly blocky structure, 50% fine to medium gravel, many mottles (0.4 gpd/sq ft)(e)(h)-**Resulting percolation test results 116minute per inch @ 48 inches**

Exploration Pit # Lot 4 (UTM Zone 12 Nad 83 0432817E 4564971N)
0-17" loam, granular structure, no mottles (0.5 gpd/sq ft)
17-75" clay loam (near loam), blocky structure, no mottles, (0.4 gpd/sq ft)(e)(h) -**Resulting percolation test results 13 minute per inch @ 30 inches**

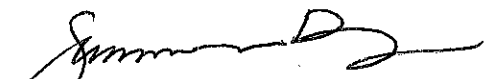
Exploration Pit #Lot 5 (UTM Zone 12 Nad 83 0432968E 4564954N)
0-28" loam, granular structure, no mottles (0.5 gpd/sq ft)
28-95" clay loam (near loam), blocky structure, no mottles, (0.4 gpd/sq ft)(e)(h) -**Resulting percolation test results 10 minute per inch @48 inches**

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

For determination of feasibility for the proposed Old Snow Basin Ranch Subdivision Phase 1 and Phase 2, including five total lots, **monitoring of the maximum ground water table is required in the area of the permissible soils. One group of three monitoring wells is required per lot for the proposed lots 2-5.** Lot 1 was previously determined to be feasible. 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

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