

July 1, 2014

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

RE:

Satterthwaite Estates, 5 Lots (revised)

Approximately 900 S 7900 E

Parcel #210340008

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on June 25, 2014. 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 12T, Nad 83, 436582E 4566559N)

0-16" 16-34" sandy loam, granular structure

sandy loam, weakly granular structure

34-51"

sandy loam, massive structure

51-61"

Gravelly, coarse loamy sands, single grain structure, 60% gravel

Groundwater observed at 61 inches at time of soil evaluation.

Exploration Pit #2 (UTM Zone 12T, Nad 83, 436596E 4566625N)

0-17"

sandy loam, granular structure

17-32"

sandy loam, weakly granular structure

32-51"

sandy loam, massive structure

51-79"

Gravelly, coarse loamy sands, single grain structure, 60% gravel

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

Culinary water will be provided by Huntsville Improvement District, an extension of an existing approved non-community water system. A letter from the water supplier is required prior to issuance of a permit.

Lots 1 &5: Documented ground water tables not to exceed 24 inches, fall within the range of acceptability for the utilization of an At-Grade Disposal System 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 0.6 gal/sq. ft. /day as required for the sandy loam, weakly granular structure soil horizon.

Lots 2,3,4: Documented ground water tables not to exceed 12 inches, fall within the range of acceptability for the utilization of an 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 0.3 gal/sq. ft. /day as required for the sandy loam, weakly 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.

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.

Summer Day, LEHS
Environmental Health Division
801-399-7160

