November 16, 2015

Weber County Planning Commission

2380 Washington Blvd.

Ogden, UT 84401

RE: KEO Homestead Subdivision, 1 Lot

 5550 E Hwy 39, Huntsville UT

 Parcel #20-015-0010

 Soil log#14086 and 14216

Gentlemen:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on August 4, 2014 and July 27, 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 #TP lot 1 (UTM Zone 12T, Nad 83, 431762E 4567208N)

0-27 gravelly sandy loam, granular structure, 35% gravel-cobble, medium sand

27-114" gravelly sandy clay loam, blocky structure, 50% fine gravel-boulders

Exploration Pit #TP Lot2 ( (UTM Zone 12T, Nad 83, 431808E 4566928N) Note GPS value changed from field data due to major variation from actual location when compared with aerial imagery.

0-24" sandy loam, granular structure, high organic content

24-58" sandy loam, granular structure

58-77" coarse loamy sand, single grain structure, 10% fine-medium 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 a private well. **The placement of the well is critical so as to provide the required 100 foot protection zone.**  The well will need to be dug, tested and the water supply approved prior to issuance of a wastewater disposal permit.

Anticipated ground water tables not to exceed 60 inches, fall within the range of acceptability for the utilization of a Conventional Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 30 inches. The absorption system is to be designed using a maximum loading rate of 0.65 gal/sq. ft. /day as required for the sandy loam, granular structure soil horizon.

Adequate proof of an area exceeding 20,000 contiguous square feet has been provided by Great Basin Engineering as part of the subdivision review process.

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.

Sincerely,

Summer Day, LEHS

Environmental Health Division

801-399-7160