



August 20, 2020

Lync Construction
Attn: Pat Burns
1407 N Mountain Road
Ogden, Utah 84404

RE: Wastewater Site and Soils Evaluation #15001
Vaquero Village Phase 2
620 S 7100 W, West Warrern
Parcel # 10-036-0026

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on July 22 2020. 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 #1 (UTM Zone 12 Nad 83 0403354 E 4567591 N)

- 0-10" silt loam, weak sub angular blocky structure, (0.45 gpd/sq ft)
- 10-17" silty clay loam, weak sub angular blocky structure, (0.4 gpd/sq ft (e)(h))
- 17-25" silt loam, weak sub angular blocky structure, (0.45 gpd/sq ft)
- 25-35" loam, weak sub angular blocky structure, mottles common, (0.5 gpd/sq ft)
- 36-52" loamy sand, massive to weak sub angular blocky structure, mottles common (0.65gpd/sq ft)

Groundwater encountered at 52"

Conduct the required percolation test so that the bottom of the percolation test hole is at 12 inches deep from the original grade.

Exploration Pit #2 (UTM Zone 12 Nad 83 0403336 E 4567622 N)

- 0-11" loam, weak sub angular blocky structure, (0.5 gpd/sq ft)
- 11-22" silty clay loam, weak sub angular blocky structure, (0.4 gpd/sq ft (e)(h))
- 22-30" sandy loam, weak sub angular blocky structure, mottles few, (0.65 gpd/sq ft)
- 30-52" loam, massive to weak sub angular blocky structure, mottles common (0.4 gpd/sq ft)

Groundwater encountered at 52"

Conduct the required percolation test so that the bottom of the percolation test hole is at 18 inches deep from the original grade.

Exploration Pit #3 (UTM Zone 12 Nad 83 0403336 E 4567622 N)

- 0-11" loam, weak sub angular blocky structure, (0.5 gpd/sq ft)
- 11-22" silty clay loam, weak sub angular blocky structure, (0.4 gpd/sq ft (e)(h))
- 22-30" sandy loam, weak sub angular blocky structure, (0.65 gpd/sq ft)
- 30-52" loam, massive to weak sub angular blocky structure, (0.4 gpd/sq ft)

Groundwater encountered at 52"

Conduct the required percolation test so that the bottom of the percolation test hole is at 12 inches deep from the original grade.

Exploration Pit #4 (UTM Zone 12 Nad 83 0403296 E 4567724 N)

- 0-8" silt loam, blocky-granular structure, (0.45 gpd/sq ft)
- 8-21" clay loam, blocky structure, mottles many red (0.4 gpd/sq ft (e)(h))
- 21-42" silt loam, massive structure, mottles many red (e)

42-?" very fine loamy sand, single grained structure, (0.7 gpd/sq ft)

Groundwater encountered at 42"

Conduct the required percolation test so that the bottom of the percolation test hole is at 12 inches deep from the original grade.

Exploration Pit #5 (UTM Zone 12 Nad 83 0403296 E 4567762 N)

0-8" silt loam, blocky-granular structure, (0.45 gpd/sq ft)

8-21" clay loam, blocky structure, mottles many red, (0.4 gpd/sq ft (e)(h))

21-41" silt loam, massive structure, mottles many red, (e)

Groundwater encountered at 41"

Conduct the required percolation test so that the bottom of the percolation test hole is at 12 and 30 inches deep from the original grade.

Exploration Pit #6 (UTM Zone 12 Nad 83 0403299 E 4567787 N)

0-13" silt loam, blocky-granular structure, (0.45 gpd/sq ft)

13-29" clay loam (near silty clay loam), blocky structure, mottles many red, (0.4 gpd/sq ft (e)(h))

29-39" silt clay loam, massive structure, mottles many red, (e)(h)

Groundwater encountered at 39"

Conduct the required percolation test so that the bottom of the percolation test hole is at 20 and 30 inches deep from the original grade.

Exploration Pit #7 (UTM Zone 12 Nad 83 0403397E 4567799 N)

0-20" sandy loam, granular structure, (0.65 gpd/sq ft)

20-26" sandy loam, massive structure, (0.45 gpd/sq ft)

Groundwater encountered at 26"

Exploration Pit #8 (UTM Zone 12 Nad 83 0403403 E 4567763 N)

0-15" sandy loam, granular to blocky structure, (0.65 gpd/sq ft)

15-26" sandy loam, massive structure, (0.45 gpd/sq ft)

Groundwater encountered at 26"

Exploration Pit #9 (UTM Zone 12 Nad 83 0403407 E 4567735 N)

0-17" sandy loam, granular to blocky structure, (0.65 gpd/sq ft)

17-27" sandy loam, massive structure, (0.45 gpd/sq ft)

Groundwater encountered at 27"

Exploration Pit #10 (UTM Zone 12 Nad 83 0403399E 4567692 N)

0-17" sandy loam, granular to blocky structure, (0.65 gpd/sq ft)

17-27" sandy loam, massive structure, (0.45 gpd/sq ft)

Groundwater encountered at 27"

Exploration Pit #11 (UTM Zone 12 Nad 83 0403436E 4567659 N)

0-7" sandy loam, weak blocky structure, (0.65 gpd/sq ft)

7-15" silt loam, blocky structure, (0.45 gpd/sq ft)

Groundwater encountered at 27"

Exploration Pit #12 (UTM Zone 12 Nad 83 0403450 E 4567629 N)

0-13" sandy loam, weak blocky structure, (0.65 gpd/sq ft)

Groundwater encountered at 13"

Exploration Pit #13 (UTM Zone 12 Nad 83 0403475 E 4567603 N)

0-8" loam fine sand, blocky-granular structure, (0.65 gpd/sq ft)

8-18" silt loam, blocky-granular structure, (0.45 gpd/sq ft)

18-24" silt loam, weak blocky to massive structure, mottles, (0.45 gpd/ sq ft- (e))

Groundwater encountered at 24"

Conduct the required percolation test so that the bottom of the percolation test hole is at 18 inches deep from the original grade.

Exploration Pit #14 (UTM Zone 12 Nad 83 0403482 E 4567570 N)

0-20" loam, granular structure, mottles few red (0.5 gpd/sq ft)
20-35" loam, massive structure, mottles many red (0.4 gpd/sq ft)
35-?" fine loamy sand in spoil pile

Groundwater encountered at 35"

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 #15 (UTM Zone 12 Nad 83 0403388 E 4567570 N)

0-12" loam, blocky structure, (0.5 gpd/sq ft)
12-24" fine sandy loam, weak sub angular blocky structure, (0.5 gpd/sq ft)
24-34" sandy loam, weak sub angular blocky structure, (0.65 gpd/sq ft)
34-52" loamy sand, massive structure, mottles few grey, (0.5 gpd/sq ft)

Groundwater encountered at 52"

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.

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.

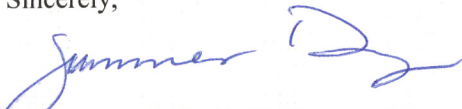
Percolation tests may be completed by any individual on the enclosed list. The stabilized percolation test results are to be submitted to this office for review prior to the recommendation for further development to the appropriate planning agency or prior to the issuance of a wastewater disposal permit.

Completion of the site and soil evaluation and the required percolation testing is in no way a guarantee that the subdivision will be approved. Please be aware that the Weber-Morgan Health Department Onsite Wastewater Treatment System Regulation section 4.13 reads as follows

The sewer may be considered as not being available when such sewer is located more than 300 feet from any building which abuts and is served by such sewer. Proposed subdivisions within 300 feet times the number of lots shall be approved only when connected to the public sewer. The rearrangement or subdivision of a parcel into smaller parcels or multiple phase subdivisions shall not be deemed cause to permit the construction of an onsite wastewater treatment system, and all plumbing and drainage systems on any such parcel or parcels shall connect to the public sewer.

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

Sincerely,



Summer Day, LEHS III, Program Manger
Environmental Health Division
801-399-7160