

November 21, 2019

Mr. Steve Marx
Thousand Oaks Properties
5406 West 11000 North
Highland, Utah 84003

RE: Lot 1, Plat I, Spring Pointe Retail Center
687 North 2000 West
Springville, Utah
CMT Job No. 13448

Mr. Marx,

As you requested, a CMT engineer visited the referenced site on the afternoon of Tuesday, November 19, 2019 to observe the soil conditions exposed in footing excavations for the subject building. We previously provided geotechnical recommendations¹ for the building in a letter dated June 24, 2019.

Observations

At the time of our site visit, we observed 9 spot footing excavations about 10 to 12 feet square with the footing levels approximately 2 to 6 feet below the surrounding grades, along what we understand was the centerline of the building. The soils observed in the sidewalls of the excavations appeared to be surficial fill soils, similar to those previously observed on the site, which extended to depths of about 4 to 5 feet. In the base of each excavation, 4 to 6 inch cobble, composed of what appeared to be crushed concrete with some minor debris (pieces of plastic, wood, hose), had been placed. Personnel on-site indicated that the cobble rock extended about 5 to 6 feet in depth below the footing bottoms of each excavation, and that the cobble was placed in lifts and compacted with a walk behind trench compactor. We did not observe groundwater in the excavations.

Recommendations

Per our previous recommendations, the undocumented fill was removed from beneath footings and replaced with at least 2 feet of properly compacted structural fill. The observed crushed concrete cobble rock may be considered structural fill and suitable for support of footings. Compaction testing of this type of material is not possible using nuclear gauge methods, but it appeared the contractor had properly placed and compacted this material. Therefore, it is our opinion the excavations are ready for footing construction.

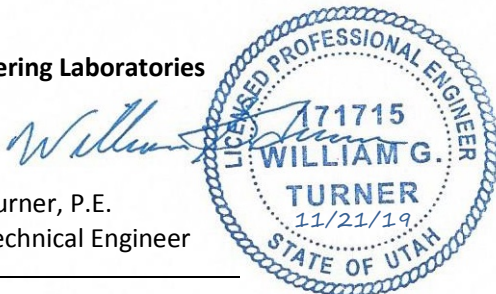
Limitations/Closure

The recommendations contained herein are based solely on the soils observed during our site visit and the characteristics determined by previous observations of the subsurface conditions at the site. Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

If you have any questions, please call.

Sincerely,
CMT Engineering Laboratories

William G. Turner, P.E.
Senior Geotechnical Engineer



¹ "Lot 1, Plat G, Spring Pointe Retail Center, 687 North 2000 West, Springville, Utah" CMT Project No. 10413, June 24, 2019.