



June 20, 2020

Summit Homes
120 SE 30th St
Lee's Summit, MO 64082

**RE: Subgrade Inspection for Lot # 18 Hawthorne Ridge – 3012 SW Arboridge Dr
Lee's Summit, MO 64082 – Permit # PRRES20201863**

On June 17, 2020, a special inspection was performed by Residential Engineering Services, LLC (R.E.S.) at the above referenced property. The purpose of this inspection was to determine structural adequacy of the existing soil for construction of concrete foundation.

Findings:

- The soils observed at footing elevation are a silty clay; light brown; and dry that does not have sufficient bearing capacity for the loads applied by foundation per permit plans.
- A test trench was dug to determine the depth of a natural, in-situ and competent clay material.
 - A competent medium brown clay with some silt was observed at the rear of the lot.

Recommendations:

- RES recommends that the footing elevation be extended down to bear directly on the natural, competent clay material found in test trench.
- Footings may need to vary in elevation based on exact location and depth of clay.

We would like to thank you for the opportunity to consult you on your project. Please feel free to contact us if you have any questions regarding this report or need any further consultation.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Bradley Huxol'.

Bradley Huxol, PE

