



June 23, 2020

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

**RE: Subgrade Inspection for Lot # 15 Hawthorne Ridge – 3000 SW Arboridge Dr
Lee's Summit, MO 64082 – Permit # PRRES20201532**

On June 22, 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; medium brown; high plasticity and dry that does not have sufficient bearing capacity for the loads applied by foundation per permit plans.

Recommendations:

- RES recommends that the footing elevation on the north (right) half of the lot be extended down to bear directly on the natural, competent clay material.
- 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 'B. Huxol'.

Bradley Huxol, PE

