



December 16, 2021

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

**RE: Subgrade Inspection for Lot # 14 Hawthorne Ridge – 2958 SW Arboridge Dr
Lee's Summit, MO 64082 – Permit # PRRES20216155**

On December 14, 2021, a special inspection was performed by Everstead 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 were silty clay; medium-dark brown; high plasticity and moist.
- Probes and penetrometer readings indicated that the soils do not have sufficient bearing capacity for the loads applied by foundation per permit plans.

Recommendations:

- Everstead recommends that the footings in the southwest (rear left) area of the lot be extended down past the fill material and topsoil to bear directly on 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", is written over a light blue horizontal line.

Bradley Huxol, PE

