



May 11, 2022

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

**RE: Subgrade Inspection for Lot # 13 Cobey Creek – 537 SE Carter Rd
Lee's Summit, MO 64082 – Permit # PRRES20220859**

On May 9, 2022, 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 are a silty clay; medium-dark brown/black; medium plasticity and dry.
- Soil at footing elevation does not have sufficient bearing capacity for the loads applied by foundation per permit plans.

Recommendations:

- Everstead recommends that the footing elevation be extended down to bear directly on natural, competent clay material or bedrock.
- Entire footprint shall be over-excavated approximately 6-18" to the competent material and backfilled in 8" lifts with compacted AB3, ½" crushed limestone, or engineered fill to reach proposed footing elevation.

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

