



March 4, 2025

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

**RE: Subgrade Inspection for Lot # 205 Highland Meadows – 1101 SW Fiord Dr
Lee's Summit, MO 64081 – Permit # 20250275**

On February 28, 2025, 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; light-medium brown; medium plasticity and dry with what appears to be some fill material at the rear of the lot.
- 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 footing elevation in the area referenced above be extended down past the fill material and any root or vegetation layer to bear directly on natural, competent clay material.
- Footings may need to vary in elevation based on exact location and depth of clay.
- Bucket size for excavation must meet or exceed the width of the permit approved footing size.

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", is written over a light blue circular background.

Bradley Huxol, PE

