



March 3, 2021

Be Home
7618 S. Arnett Rd
Grain Valley, MO 64029

**RE: Subgrade Inspection for Lot # 74 Monticello – 1221 NE Goshen Dr
Lee's Summit, MO 64064 – Permit # 20210347**

On February 25, 2021, 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; low-median plasticity and moist with large loose rocks.
- Soils at footing elevation do not have sufficient bearing capacity for the loads applied by foundation per permit plans.

Recommendations:

- RES recommends that entire footprint be over-excavated approximately 2' and backfilled in 8" lifts with compacted AB3, ½" crushed limestone, or engineered fill to reach proposed footing elevation.
- Footings shall be constructed to approved permit plan specifications.

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,

Bradley Huxol, PE

