



February 4, 2021

ABI  
1271 NE Delta School Rd  
Lee's Summit, MO 64064

**RE: Subgrade Inspection for Lot # 95 Woodside Ridge – 202 NW Ambershame  
Lee's Summit, MO 64081 – Permit # 2020-4979**

On February 3, 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; light-medium brown; low plasticity and wet with what appears to be unengineered fill at the rear of the lot.
- Soil at footing elevation does not have sufficient bearing capacity for the loads applied by foundation per permit plans.

**Recommendations:**

- RES recommends that the footing elevation be extended down to bear directly on natural, competent clay material.
- Entire footprint shall be over-excavated 3' to the competent clay and backfilled in 8" lifts with compacted AB3, ½" crushed limestone, or engineered fill to reach proposed footing elevation.

OR

- RES recommends that the footing elevation be extended down approximately 3-4' 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,

Bradley Huxol, PE



