

September 16, 2025

Mr. Chris Shaw
Shaw Construction
P.O. Box 281
Bates City, MO 64011

**Re: Soil Inspection – 3901 SW Flintrock Drive, Lees Summit, MO
Lot 166 Napa Valley 5th Plat**

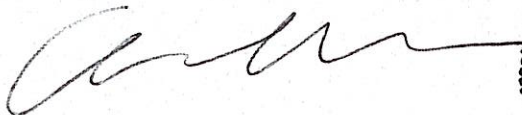
Mr. Shaw,

At your request, I have inspected the soil conditions at the above referenced site. The inspection took place on September 15, 2025 and concentrated on the area of the perimeter footings and the interior spread footings. A 4' long soil probe and visual inspection were used to evaluate the soil conditions.

The building pad is situated on what appears to be a previously undeveloped site and has been excavated to subgrade for the basement. There is a trench at the rear wall approximately 42" deep. The subgrade appears to be fill at the rear part of the main level. Probe resistance was stiff to moderate at all locations tested. I would estimate that a safe bearing pressure is 1500 psf or better which would mean perimeter footings 24" wide with 3 #4 continuous and any column footing sizes would need to be 1.33 times the area of what would have been designed for 2000 psf. As an example, a 36" square pad called out on the drawing would need to be 42" square with 5 #4 each way, a 42" square pad called out on the drawing would need to be 54" square with 6 #4 each way, and a 48" square pad called out on the drawing would need to be 60" square with 7 #4 each way.

If there are any questions, please let me know.

Yours truly,



Albert Hermans, P.E.

