



January 25, 2024

Chuck Russell
True North Outdoors
2405 Merriam Lane
Kansas City, KS 66106

Site Inspection

Dear Chuck,

Aspen has reviewed the design of the wall at the Lovins Residence per information provided by True North Outdoors. The site address is 362 NW Patch Court Lee's Summit, MO 64081. The wall uses Limestone Ledge Stone wall units. The wall length is approximately 80 feet long. It starts at 5.83' exposed (7' total) and tapers down to 1.16' exposed (2.33' total). It had a minimum embedment of 0.5' throughout the wall. The wall starts next to the house, includes a 90 degree turn, and an inside corner radius till the end of the wall. The wall was built with 4' of grid installed from the face of the wall. There is no crest or toe slope for the wall. The backfill used in the construction was clean rock backfill along with drains. There will be decorative landscaping shrubs immediately behind the top of the wall.

Based off the design parameters of the wall, Aspen has concluded that the wall was built per industry standards. The clean rock backfill along with the drains should adequately divert water away from the wall system. The leveling ground in front and behind the wall will not impart any additional loads to the wall. The use of geogrid in the wall construction will provide support of the wall system.

If you have any questions, please contact our office.

Sincerely,

A circular professional engineer seal for Owen Craig Hunn, a licensed professional engineer in the state of Kansas. The seal contains the text "OWEN CRAIG HUNN", "LICENSED", "30070", "KANSAS", and "PROFESSIONAL ENGINEER". Below the seal is a handwritten signature that reads "Owen C. Hunn".

Owen Hunn, PE