

January 27, 2021

Gerald Horner, P.E.
Willamette Engineering Inc.
PO Box 9032
Salem, Oregon 97305



**RE: ADDENDUM TO GEOTECHNICAL INVESTIGATION
 NOYES SUBDIVISION
 TAX MAP-LOT: 08W16DD00300
 SALEM, OREGON 97306
 BRANCH ENGINEERING INC. PROJECT NO. 20-066**

Branch Engineering Inc. (BEI) has previously provided a geotechnical engineering investigation report for this site dated September 28, 2020 and it is our understanding that the report was not accepted by the City of Salem as meeting their *Geological Assessment* requirements under Salem Revised Code Chapter 810. The Department of Geology and Mineral Industries (DOGAMI) Interpretive Map Series 17 shows the site as being in an area of very low to moderate risk for earthquake induced landslides; however, the topographic survey of the site provided by Willamette Engineering Inc. and included as Figure 1 of prior report shows natural slopes on the site do not exceed 15% with the exception of an isolated along the west side of the ground depression on proposed Lot 5 of the subdivision. This area is about 5,000 square feet and slopes up to 20%. Other minimal areas of the site that may exceed 15% are manmade as the result of site grading for the access road and building pad.

The subject site is underlain by residual basalt soils to depths of at least 30-feet and based on our previous site work on the subdivision (Kurth Meadows) directly south of the site, the Rainier Estates Subdivision to the north, and four additional subdivisions with ½-mile of the site that are in the same, or similar, geologic formation, it is our opinion that the natural site has a low risk of landsliding, and there is no geologic impacts that preclude the proposed site development. Therefore, we find that the site slope angles do not require a *Geologic Assessment* under Salem Revised Code Chapter 810 and that our September 28, 2020 *Geotechnical Investigation* report provides adequate information for safe development of the site.

Sincerely,
Branch Engineering Inc.



EXPIRES: 12/31/2021

Ronald J. Derrick P.E., G.E.
Principal Geotechnical Engineer