

January 21, 2022

Mr. Ken Kolbe
7001 82nd Avenue SE
Mercer Island, WA

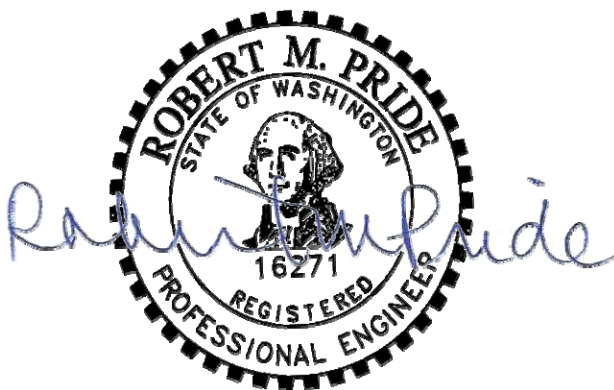
Re: **Geotechnical Recommendations**
Proposed Residence Addition
7001 82nd Avenue SE
Mercer Island, WA

Dear Mr. Kolbe,

As required by Mercer Island building department this report confirms that this property and the location of the proposed addition is supported on dense glacial soils as stated in our October 2021 report. Based on the results of our site investigation and geotechnical assessment we recommended that the new building pad be excavated down to the existing basement level where the dense glacial soils exist. All foundations should be designed for a soil bearing value of 3000 psf and a lateral load value of 450 pcf. Estimated settlement of these foundations will be on the order of 1/4 inch with most of this settlement occurring during construction.

In response to the request by Mercer Island for confirmation that this project meets the criteria of MICC 19.07.160(B) two and three (a-d), it is my opinion that this proposed project will meet these MICC requirements. The proposed plans for this project have been reviewed and they are approved for submittal to the city of Mercer Island for the permit. Field memos will be prepared for these inspections and will be submitted to the city for their files.

Respectfully,



Robert M. Pride, P. E.
Principal Geotechnical Engineer
dist: (1) Addressee

rmp: Kolbe82ndRes2