



July 13, 2021

Dmitriy Mayzlin
American Classic Homes

RE: Geotechnical Addendum
Proposed Residence
4250 89th Avenue SE
Mercer Island, Washington

In accordance with your authorization, Cobalt Geosciences, LLC has prepared this letter to discuss a geologic hazard mapped within the referenced property/project site.

Statement of Risk

The City of Mercer Island GIS maps indicate that the site is within a liquefaction/seismic hazard area. Based on our review of nearby explorations and our field observations/explorations, the risk of these hazards is low to very low within the property. The site is underlain by glacial till, which is not susceptible to seismic amplifications.

The following section is an excerpt from the City code.

3. Alteration of landslide hazard areas, seismic hazard areas and associated buffers may occur if the conditions listed in subsection (B)(2) of this section are satisfied and the geotechnical professional provides a statement of risk matching one of the following:

- a. An evaluation of site-specific subsurface conditions demonstrates that the proposed development is not located in a landslide hazard area or seismic hazard area;*
- b. The landslide hazard area or seismic hazard area will be modified or the development has been designed so that the risk to the site and adjacent property is eliminated or mitigated such that the site is determined to be safe;*
- c. Construction practices are proposed for the alteration that would render the development as safe as if it were not located in a geologically hazardous area and do not adversely impact adjacent properties; or*
- d. The development is so minor as not to pose a threat to the public health, safety and welfare.*

The project meets the criteria of item (a) above. Our evaluation of site-specific subsurface conditions demonstrates that the proposed development is not located within a seismic hazard area.

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Sincerely,
Cobalt Geosciences, LLC



7/13/2021

Phil Haberman, PE, LG, LEG
Principal

PH/sc