



Cobalt Geosciences, LLC  
P.O. Box 82243  
Kenmore, Washington 98028

June 19, 2023

Matt and Kelly Rader  
C/O Sarah Thompson  
[sarah@h2darchitects.com](mailto:sarah@h2darchitects.com)

**RE: Plan Review**  
Proposed Additions  
7310 86<sup>th</sup> Avenue SE  
Mercer Island, Washington

In accordance with your authorization, Cobalt Geosciences, LLC has prepared a plan review letter for the project.

In preparation of this letter, we have reviewed the architectural plans by H2D Architecture dated June 2, 2023, structural plans by Buker Engineering dated June 1, 2023.

We have no comments regarding the plans and they appear to include relevant recommendations from our previous geotechnical report.

We have included the statement of risk from our geotechnical report below:

### **Statement of Risk**

The City of Mercer Island GIS maps indicate that the site is within a seismic hazard area. This is likely based on the presence of mapped recessional outwash materials in this area and wetland/peat deposits near the site and to the southeast. Our above analyses indicate that there is no risk of liquefaction or seismic induced movements. Code information for the required Statement of Risk is as follows:

Per Section 19.07.160B3 of the Mercer Island City Code, development within geologic hazard areas require that a Geotechnical Engineer licensed within the State of Washington provide a statement of risk with supporting documentation indicating that one of the following conditions can be met:

3. Alteration of landslide hazard areas, seismic hazard areas and associated buffers may occur if the conditions listed in subsection (B)(3) 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.

Based on our analysis, the site meets the criteria of item A. The site is not within a seismic hazard area. No mitigation is required. It is our opinion that further critical areas analysis or reporting are not warranted.

Sincerely,

**Cobalt Geosciences, LLC**



6/19/2023  
Phil Haberman, PE, LG, LEG  
Principal

