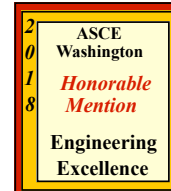


August 29, 2024
Project No. 2DF0119981

Jerry Zhang
c/o Weicheng Li
leeweicheng@gmail.com



Re: Geotechnical Plan Review and Minimum Risk Letter
4815 E Mercer Way
Mercer Island, WA 98040

Dear Jerry:

At your request, I provide this letter of minimum risk statement.

We prepared a geotechnical engineering evaluation for the project site dated November 14, 2022. In general, we concluded that the site does not contain Landslide Hazard Areas, Erosion Hazard and Seismic Hazard is low as defined by the Mercer Island Municipal Code (MICC). The proposed development plans consist of expanding building towards the west and proposed a new prime suite. In our geotechnical report dated November 14, 2022, the existing residence building was constructed on a moderate steep, south facing slope. A landscape terrace retaining wall was located west of existing residence building. No Indicating of slope instability were observed during our site visit. According to the four (4) DCP tests cross the site, the shallow stiff to hard soil was encountered. Therefore, with observed existing site condition and soil conditions, the proposed development may not adversely impact the subject property or adjacent properties and other critical areas.

Merit Engineering has reviewed the latest Architectural Plan dated 02/20/2022 from architect Weighing Li, and Structural Plan dated 11/07/2023 from BOSCO Cheng. Based on our review of the plans, it is our opinion that the geotechnical aspects of these documents are generally consistent with the design recommendations presented in our geotechnical report dated November 14, 2022

MINIMUM RISK STATEMENT

Based on our site-specific subsurface evaluation the proposed development is not within a landslide hazard area or seismic hazard area meeting the requirements stated in **Mercer Island City Code 19.07.160.B.3.a.**

Provided that the project is completed in accordance with the plans and specifications and that the geotechnical engineer of record provides observation during construction, it is our opinion that the areas disturbed by construction will be stabilized and remain stable and will not increase the potential for soil movement. The risk of damage as a result of soil instability will be minimal on the property being developed, and on adjacent properties. The use of the

word “minimal” in the above statement should not be taken to imply that there is no risk, but rather that it is our opinion that the risk is low.

We appreciate this opportunity to present our proposal to you. If you have any questions, please contact us at 425-454-2133.

Sincerely,



Austin Huang, Ph.D., P.E., LG., F.ASCE, D.GE

President

Diplomate - Academy of Geo-Professionals

Fellow - American Society of Civil Engineering

D.GEs provide successful projects that benefit their clients.

The D.GE certification recognizes geotechnical engineers who possess specialty education, extensive experience, integrity, and good judgment.