



June 17, 2019  
ES-6182.01

Earth Solutions NW LLC

Geotechnical Engineering, Construction  
Observation/Testing and Environmental Services

Pacwest Construction, LLC  
4118 – 96<sup>th</sup> Avenue Southeast  
Mercer Island, Washington 98040

Attention: Mr. Vann Lanz

**Subject: Minimum Risk Statement  
Proposed Single-Family Residence  
3440 – 97<sup>th</sup> Avenue Southeast  
Mercer Island, Washington**

Reference: Earth Solutions NW, LLC  
Geotechnical Evaluation  
Project No. ES-6182, dated September 12, 2018

JDesigns  
Re-Submittal Plan Set  
Dated June 14, 2019

Mercer Island  
City Code (MICC) Chapter 19

Dear Mr. Lanz:

In accordance with your request, Earth Solutions NW, LLC (ESNW) has prepared this minimal risk statement for the proposed single-family residence. We were provided a copy of the Intake Comments prepared by Mercer Island review staff as part of this letter preparation.

### **Minimum Risk Statement**

In accordance with MICC Chapter 19.07.060, the most recent plans and specifications provided to us has been reviewed and conform to the recommendations of the referenced geotechnical evaluation letter. Provided the conditions and recommendations within the erosion control, structural fill, and temporary excavation sections of the referenced geotechnical evaluation are satisfied, it is our opinion that proposed construction and development will not increase the potential for soil movement. Risk of damage to the proposed development and from the development to adjacent properties from soil instability will be minimal.

Review of the site plans indicates the residence will be constructed a distance of about 25 feet from the eastern site margin. Grades directly east of the site margin begin descending steeply. As such, drainage has been designed so that stormwater flows toward the southwestern site area, away from steeply sloped areas directly east of the site. Furthermore, erosion control measures recommended within the referenced geotechnical evaluation will be followed, and grading at the site will not occur in the wet season (October 1 to April 1), unless approved by Mercer Island. If grading activities are planned during the wet season, ESNW should be contacted to evaluate the erosion control measures to ensure proper elements are included to protect the site and surrounding properties.

In our opinion, the use of conventional spread and footing foundations as referenced in the geotechnical evaluation is suitable for this specific site based on the distance from steeply sloped areas directly east of the site (25-feet). As well as due to grades in the building envelope draining away from steeply slope areas directly east of the site.

In accordance with MICC 19.07.060.D2, it is our opinion that the site has been designed so that alteration does not pose a threat to the public health, safety, and welfare of the site and surrounding area.

We trust this letter meets your current needs. If you have any questions, or if additional information is required, please call.

Sincerely,

**EARTH SOLUTIONS NW, LLC**

*Bogdan S. Tirtu*

For: Bogdan S. Tirtu, G.I.T.  
Senior Staff Geologist

*Scott S. Riegel*

For: Scott S. Riegel, L.G., L.E.G.  
Senior Project Manager



Kyle R. Campbell, P.E.  
Principal Engineer