

September 17, 2021  
File No. 17-381.200

Suzanne Zahr  
8110 SE 70<sup>th</sup> St  
Mercer Island, WA 98040

**Subject: Soil Property Recommendations  
Proposed Addition  
8110 SE 70<sup>th</sup> Street, Mercer Island, Washington**

Dear Ms. Zahr,

We understand that site soil properties are used in the retaining wall design. Based on our field explorations, it is our opinion that the following soil properties may be used in the retaining wall design.

Soil Density (Unit Weight) = 120 pounds per cubic feet (pcf)

Soil Internal friction angle = 32 degree

Cohesion = 0

We trust that the information outlined in this letter meets your need at this time. Please call if you have any questions.

Sincerely,



*9/17/2021*

Michael H. Xue, P.E.  
Principal Geotechnical Engineer