

November 25, 2019

Mr. Evan Maxim  
City of Mercer Island  
9611 SE 36<sup>th</sup> Street  
Mercer Island, WA 98040-3732

RE: GEOTECHNICAL THIRD-PARTY REVIEW, 5637 E. MERCER WAY, CITY OF MERCER ISLAND PROJECT NO. CAO15-001

Dear Mr. Maxim:

This letter summarizes our review of Geo Group Northwest, Inc. (GGNW) responses to comments we made in our third-party geotechnical review letter dated July 12, 2019.

The Applicant's responses to our July 12 comments are presented in the following documents:

- Geo Group Northwest, Inc., 2019, Response to Shannon & Wilson Third Party Review, RE: Proposed Residence, 5637 East Mercer Way, Mercer Island, WA: Letter dated October 23.
- The Healy Alliance AZ Architects, 2091. Site plan dated October 23

Our comments and conclusions based on review of these documents are presented below. Comment numbers correspond to the comments in the July 12 letter.

## REVIEW COMMENTS

1. GGNW provided a revised Statement of Risk stating the development will improve the stability of the house and the lot such that the site is determined to be safe. They state that the construction of the building pad, pipe pile foundation, and catchment wall will mitigate or eliminate the geologic hazards present at the site. The Statement of Risk addresses the landsliding and seismic hazards present at the site.

However, they do not clearly state how the erosion hazard will be addressed. Item No. 2, in the report, states downstream problems exist when mud and water flow across the street and impacts downhill properties and debris may clog catch basins along the street. They indicate that the City of Mercer Island is responsible for maintaining the catch basins and debris and water discharged from the property to the street is eliminated or minimized. GGNW does not provide an explanation on how the hazard is eliminated or minimized.

2. GGNW provided and updated site plan dated October 23, 2019. No further response needed.
3. GGNW states that all previous opinions, conclusions, and recommendations remain the same. No further response required.

4. See response to Comment #3.
5. See response to Comment #1.

We appreciate the opportunity to be of service. Please let us know if you have questions.

Sincerely,

SHANNON & WILSON



Christopher A. Robertson, PE  
Geotechnical Engineer

AXT:SRM:CAR/axt