



October 24, 2016

Mr. David Yeh  
7239 LLC  
P.O. Box 809  
Mercer Island, Washington 98040

**Subject: Report Addendum and Response to City's Comments  
27th Street Short Plat  
7239 Southeast 27th Street  
Mercer Island, Washington 98040  
RGI Project No. 2016-120**

References: 1. The Riley Group, Inc, Geotechnical Engineering Report, 27th Street Short Plat, dated August 17, 2016.  
2. Topographic Survey by Site Surveying, Inc. dated January 18, 2016  
3. Site Plans prepared by Core Design dated September 12, 2016

Dear Mr. Yeh:

As requested, The Riley Group, Inc. (RGI) is responding the review comments from the City of Mercer Island, prepared by Will Piro dated October 10, 2016.

**Question:** *The geotechnical engineer's analysis must, using the definitions in MICC 19.16.010, demonstrate that the proposed building pad will not be located within the erosion hazard area.*

**Answer:** RGI reviewed the City of Mercer Island Municipal Codes (MICC 19.16.010(E)). The review indicates that a narrow area along the eastern property line is mapped as geologic hazard area of both soil erosion and landslide.

On August 2, 2016, RGI performed a site reconnaissance to evaluate the area along the eastern property line. During our field observations, we did not find any steep slope or indications of landslide or history of ground movement. Based on our observation, the potential of landslide along the eastern property line does not exist.

RGI reviewed the Web Soil Survey by National Cooperative Soil Survey. The major portion of the site is mapped as Kitsap silt loam, 2 to 8 percent slope (KpB). Runoff is slow to medium, and erosion hazard is slight to moderate. The southwest corner of the site is mapped as Arent, Alderwood material, 6 to 15 percent slope (AmC). Runoff is medium and the erosion hazard to moderate to severe.

Based on our review the current design, our boring logs and the contours; only small portion of the building pad on the south side of Lot 2 exceeds 15 percent slope. Most of the site has a moderate erosion hazard. The erosion control measures provided in our referenced report, if incorporated into the project design should be adequate to control erosion on the site. Based on the soils encountered and the slopes on site, the development will not increase the potential of soil erosion on the site or on adjacent sites if the recommended erosion control measures are implemented during construction.

Please call us at (425) 415-0551 if you have any questions or need additional information.

Respectfully submitted,



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10/24/2016

Ricky Wang, PE, PhD  
Principal Engineer