



May 9, 2019

G-4149

Mr. John Leong
9216 – 132nd Avenue NE
Redmond, Washington 98052

Subject: Update to Geotechnical Evaluation of Slope Stabilization Measures,
9400 SE 47th Street, Mercer Island, Washington.

Reference: Geotechnical Evaluation of Slope Stabilization Measures, 9400 SE 47th Street,
Mercer Island, Washington 98040. GEO Group Northwest, Inc., January 25,
2017.

Dear Mr. Leong:

Per your request, GEO Group Northwest, Inc. has updated its review of the landslide repair work you completed at the above-referenced property in Mercer Island, Washington.

On April 30, 2019, we visited the site to observe the existing conditions. We observed that, with one exception as indicated in the enclosed as-built site plan, the sandbag retaining walls had been covered with at least two layers of durable, ultraviolet light shielding landscape barrier fabric, consistent with the recommendations in our above-referenced evaluation letter from 2017. A relatively short length of wall (wall I on the as-built site plan), was not covered. The small area of sandbag wall that is not covered with the shielding fabric has minimal risk of resulting in damage which would cause instability of the slope area, in our opinion.

We observed that an above-ground 4"-diameter rigid PVC drainage tightline running from the face of sandbag wall J to a location on drain rock backfill behind an existing rockery had been installed. This tightline is connected to the subsurface drain line that had been installed earlier as part of the sandbag wall construction work. The immediate area of the discharge is covered with ivy and other vegetation, but we did not see or hear indications of flow from the line.

We also observed that the northernmost wall indicated in the site survey and plates in our 2017 letter is no longer present. We observed no indications of tilting or bulging of the walls. We observed that the areas behind the walls have been covered with mulching and vegetation is becoming established.

It is our opinion that, per Section 19.07.060 of the Mercer Island Municipal Code, the geologic hazard area has been modified so that the risk to the lot and adjacent property is mitigated such that the site is determined to be safe.

Sincerely,

GEO GROUP NORTHWEST, INC.

Keith Johnson
Project Geologist



KEITH A. JOHNSON

Principal
William Chang, P.E.



Enclosure: Site Plan (As-Built), by GEO Group Northwest, Inc., dated May 7, 2019.