GEO Group Northwest, Inc.
Geotechnical Engineers, Geologists
& Environmental Specialists

September 12, 2025 G-6227

Mr. Chip Ragen
Ragen and Associates
517 E. Pike Street
Seattle, Washington 98102

Subject: Geotechnical Review of Proposed Wet Weather Season Earthwork
Proposed Driveway Improvements
4634 E. Mercer Way
Mercer Island, Washington

Reference: Geotechnical Engineering Investigation, Driveway Improvements, 4634 E. Mercer Way, Mercer Island, Washington. GEO Group Northwest, Inc., May 12,2025.

Dear Mr. Ragen:

GEO Group Northwest, Inc. has prepared this review letter regarding proposed wet weather season earthwork for the exterior modifications project at the above-subject location on Mercer Island, Washington.

The City of Mercer Island (the City) has a standard moratorium on earthwork during the period between October 1 and March 31. A waiver of the moratorium may be granted by the City if 1) measures to prevent soil erosion and sedimentation and stormwater discharge from the construction area are implemented and maintained during the period, and 2) the City approves a formal request to perform earthwork during the moratorium period.

Wet Weather Earthwork Considerations

In addition to the recommendations in our referenced geotechnical report for the project, we recommend that the following measures be implemented if earthwork will be performed during the period between October 1, 2025, and March 31, 2026.

- Cut and fill slopes exposed during construction should be covered with plastic sheeting when they are not being worked. Soil stockpiles also should be covered when not being worked.

- Structural fill should consist of free-draining material with not more than 5% of the material passing a #10 sieve.

- Earthwork should not be performed during periods of heavy precipitation to minimize rutting and tracking of soils by construction equipment traffic. Equipment that has lower potential to cause rutting or other soil disturbance should be used.

- Earthwork should be performed and completed in a sequence of limited areas, where feasible, to limit the extent of exposed soils during the project.

- Erosion control measures, such as silt fences, straw bales and wattles, etc., should be arranged to control soil erosion and sediment travel as appropriate within the project limits as well as along its downslope and cross-slope perimeter.

- Soil subgrades in areas where footings or slabs are to be built should be protected from softening due to standing water or to disturbance if they will be left exposed for a prolonged period. A layer of clean crushed 1.25”- or larger size gravel can be placed over the subgrade in areas where construction traffic may occur. Plastic sheeting can be used for other areas.

- Excavations and other areas with exposed soils should be gently sloped to convey surface water, such as from rainfall, to one or more temporary sump locations, from which it can be pumped to an acceptable facility or location for management.

- We recommend that the project general contractor and the project earthwork contractor be provided with this letter and our geotechnical report for review and reference for

implementing the recommendations herein in addition to those presented in the project plans.

Geotechnical Construction Monitoring during Wet Weather Season

During earthwork activities, we recommend that we visit the site if precipitation greater than 0.5 inches in a 24-hour period occurs or if indications of potential concern regarding excavation instability are observed, to observe and evaluate the site conditions. We also recommend that we visit the site during backfilling work to observe that materials are being used are appropriate for wet weather conditions and are being properly placed and compacted.

Statement of Risk

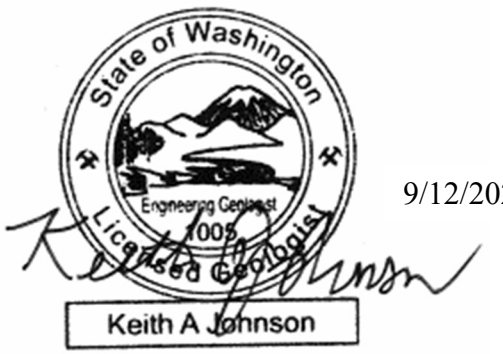
Provided that the recommendations in this letter, our geotechnical report, and the approved project plans are properly followed, it is our opinion that project earthwork during the wet weather limitation period will not increase the potential for soil movement, and the risk of damage to the site or from the site to the adjacent properties from soil instability will be minimal.

Closing

Please feel welcome to contact us if you have any questions regarding this letter.

Sincerely,

GEO GROUP NORTHWEST, INC.



9/12/2025

Keith Johnson
Project Geologist

9/12/2025

William Chang, P.E.
Principal Engineer