

October 22, 2019

JN 18428

Elizabeth Goodrich
1608 – 38th Avenue East
Seattle, Washington 98112
via email: esgoodrich@gmail.com

Subject: **Application for Wet Season Grading Extension**
Proposed Single-Family Residence
8424 Benotho Place
Mercer Island, Washington

Dear Ms. Goodrich:

We understand that ground disturbing activities associated with the construction of your new residence will occur beyond the October 1 start of the Wet Weather Construction Moratorium, as defined by City of Mercer Island Code. Your project team is applying for a waiver to allow this wet weather grading.

At this time, the project is in review for permit, and no work has yet occurred on the site. We expect that the ground disturbing work to occur will consist of installing soldier pile shoring, removing the existing house's foundations, excavating for the new house, installing foundation pipe piles, constructing the foundations and retaining walls, and backfilling of the completed walls, including the fill for the sloped driveway. Imported granular soil will be used as backfill. The onsite soils, which have a high silt content, will have to be hauled away, and will not be reused.

We have been provided with a copy of the *Erosion Control Plan*, dated October 18, 2019. A dual silt fence will be installed along the eastern side of the project, with the existing vegetation being maintained between the silt fences and the bulkhead. A temporary holding tank or pond is indicated on the *Plan*. We understand that the base of the completed excavation will be covered with gravel. Care will have to be taken by the shoring and earthwork contractors to prevent tracking of soil and/or mud onto the street.

Any areas of bare soil outside of the work area will need to be covered with plastic, mulch, gravel, straw, etc. As we have discussed, any silty water accumulating on the site cannot be directed toward Lake Washington or the storm drains, which empty to the lake. If silty water accumulates, it will be necessary to allow the fines to settle out until the water is cleared before it can be discharged toward the lake. If this cannot be effectively accomplished, the silt water would need to be pumped out and hauled off site.

It will be important to maintain the existing erosion control features, and to repair or upgrade them as necessary to deal with site and weather. Provided the construction team exercises a conscientious approach to this project, it is our professional opinion that the expected ground disturbing work can occur beyond October 1 without adverse impacts to the site and the surrounding properties related to slope stability or erosion.

We provide the following "statement of risk" to satisfy City of Mercer Island conditions:

"It is our professional opinion that the development practices proposed in this letter for the new development would render the development as safe as if it were not located in a geologic hazard area."

Please contact us if there are any questions regarding this letter.

Respectfully submitted,

GEOTECH CONSULTANTS, INC.



Marc R. McGinnis, P.E.
Principal

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