

January 23, 2020

JN 19011

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Mercer Island, Washington 98040  
via email: [janeroseinstein@hotmail.com](mailto:janeroseinstein@hotmail.com)

Subject: **Application for Wet Season Grading Extension**  
Proposed Single-Family Residence  
2035 – 81<sup>st</sup> Avenue Southeast  
Mercer Island, Washington

Greetings:

We understand that ground disturbing activities associated with the construction of your new residence are planned to 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, no work has yet occurred on the site. The existing residence is still in place. We expect that the ground disturbing work to occur will consist of installing temporary helical anchor bracing on existing walls, removing the existing house's foundations, installing the permanent detention tank, excavating for the new house, installing foundation pipe piles and stabilization piles, constructing the foundations and retaining walls, and backfilling of the completed walls. 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 January 13, 2020. A dual silt fence will be installed along the western, downslope side of the project, with the existing vegetation being maintained outside of the construction area. This silt fence will essentially mark the clearing limits. Existing trees that are to remain will be clearly marked. Temporary sump pumps and holding tanks will be utilized where needed to manage stormwater runoff. If the detention tank is installed early in the process, it can be used to hold silty stormwater in place of bringing in a temporary tank. Temporary slopes and stockpiles are to be covered with plastic sheeting if they will not immediately be hauled offsite. We understand that the base of the completed excavation will be covered with gravel. A temporary rocked construction access road will provide access for trucks and equipment, and care will have to be taken by the shoring and earthwork contractors to prevent tracking of soil and/or mud onto the street during sitework.

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 the street, storm drains, or to the slope to the west of the work area. If silty water accumulates, it will be necessary to pump the water to a temporary holding tank to allow the fines to settle out until the water is cleared before it can be discharged. If this cannot be effectively accomplished, the silty 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.

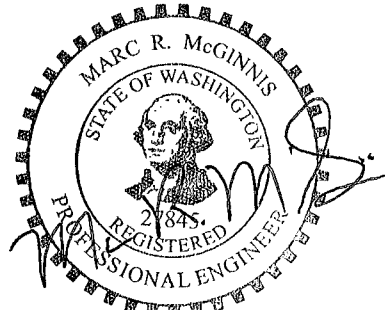
We provide the following “statement of risk” to satisfy City of Mercer Island conditions:

“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

cc: **Brandt Design Group** – Bree Medley  
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