



Cobalt Geosciences, LLC
P.O. Box 1792
North Bend, WA 98045

September 21, 2023
Updated January 2, 2024

John Sullivan
Jwsulli2013@gmail.com

RE: Wet Weather Grading
Proposed Residence
3024 69th Avenue SE
Mercer Island, Washington

In accordance with your authorization, Cobalt Geosciences, LLC (Cobalt) has prepared a letter detailing general guidelines for wet weather grading activities for the referenced project.

It is our opinion that earthwork and grading activities can take place during the wetter months of the year, typically October through March, provided adequate steps to prevent soil erosion and uncontrolled runoff are implemented prior to construction.

At a minimum, we recommend that all temporary erosion and sediment control (TESC) devices and Best Management Practices (BMPs) that are shown in the civil drawings are implemented correctly and monitored for performance during construction. Monitoring should occur by a competent person (CESCL or PE with experience in runoff) at least weekly during the wet season and within 24 hours after any storm event of 0.25 inches or more.

From our discussion with the project civil engineer, we understand that runoff will be allowed to pond against the silt fence at the low side of the site and slowly migrate through the fence and ultimately into the City stormwater system. Alternatively, if runoff is collected and found to be free of silt, it could be periodically pumped into an approved conveyance. We can provide turbidity monitoring of runoff prior to discharge if necessary. These options appear suitable if silt fences are installed properly and limits the rate of runoff.

In addition to the erosion control measures noted on the plans, additional systems could be warranted if conditions change, or issues arise. It is critical that installed systems are maintained and monitored for changes during the wet season. The project SWWWP should be on site for reference. We can provide monitoring support upon request.

We note that the site is stabilized with silt fences, coverage over stockpiles/slopes, and rock entrance areas. Areas appear suitable at this time for continued construction.

Limitations

The information presented herein is based upon professional interpretation utilizing standard practices and a degree of conservatism deemed proper for this project. We emphasize that this report is valid for this project as outlined above and should not be used for any other site.

January 2, 2024
Page 2 of 2
Wet Weather Grading

Sincerely,

Cobalt Geosciences, LLC



1/2/2024

Phil Haberman, PE, LG, LEG
Principal