



PO Box 2546, Bellingham, Washington 98227

April 18, 2023

Steven Dahl
Skagit Aggregates, LLC
14107 State Route 9
Mount Vernon, WA 98273

Re: Geologic Hazard Assessment Review of Reclamation Plan
Proposed surface mine expansion
Skagit County Parcel P4486

It is my understanding that Skagit County requested that Stratum Group assess the slope stability along the western portion of the site following complete excavation of materials. The final excavation and reclamation plans were provided to us for review.

The final mining grades will not impact the stability of the slope to the west. The proposed mine excavation will intersect one portion of the slope where the western edge of the mine intersects a kettle (a depression left block of ice during the last glacial period). The mining will result in a ridge along the western portion of the property with the natural slope to the west and the excavated slope to the east down to the floor area of the mine.

As noted in our initial assessment, the mine and the slope to the west are underlain by well drained sand and gravel and no impervious area or springs are present on the slope to the west. Hence, the mine will not impact the hydrogeology of the slope to the west of the mine. The proposed final excavation grade will not lead to slope failures on the west side of the mine and the final reclamation grading of 2H to 3H: 1V will be a very stable grade not subject to landslides or erosion.

In conclusion my review of the mine excavation and reclamation plan is fully consistent with our recommendations and conclusions in our April 3, 2020 geology hazard assessment.

Sincerely yours,
Stratum Group

Dan McShane, L.E.G., M.Sc.
Licensed Engineering Geologist



DANIEL McSHANE