

March 17, 2022

JN 19233

Richard and Leslie Day
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via email: rday@columbiasoft.com

Subject: **Review of Plans**
Proposed Day Residence Reconstruction
9843 Mercerwood Drive
Mercer Island, Washington

Greetings:

In response to **Geotechnical Comment 1** of the December 29, 2021 review letter by Kolke Consulting Group, we have completed a general review of the geotechnical aspects of the planned reconstruction of your residence. For our review, we were provided with the architectural drawings (Conard Romano Architects; March 10, 2022), civil plans (Civil Engineering Solutions; February 8, 2022), and structural drawings (Malsam Tsang Structural Engineering; March 10, 2022). During the plan review process, we collaborated with both Conard Romano Architects and Malsam Tsang Structural Engineering regarding recommended changes to the plans. Our recommendations have been incorporated into the provided drawings.

In order to satisfy Mercer Island's requirements, we make the following statement:

It is our professional opinion that the development practices that we have recommended in this report would render the proposed development as safe as if it were not located in a geologic hazard area.

In response to **Geotechnical Comment 2**, as indicated on sheet A1.1, the existing rockery will now be removed where it extends into, or beyond, the footprint of the proposed terrace retaining wall. This will remove the hazard presented by the small section of existing rockery currently located at the top of the eastern slope. The ground will be sloped to a flatter inclination following the removal of the affected section of rockery, and the regraded area will be landscaped. This work will reduce the surcharge at the top of the steep slope currently imposed by the rockery, and should not adversely impact the stability of the slope.

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

Respectfully submitted,
GEOTECH CONSULTANTS, INC.

Marc R. McGinnis, P.E.
Principal Engineer



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