

March 10, 2025

JN 20408

Bill Summers
via email: billsummers1841@gmail.com

Subject: **Drainage for Driveway Soldier Pile Retaining Walls**
Mercer Island Treehouse Residence
5637 East Mercer Way
Mercer Island, Washington

Both of the permanent soldier piles walls located on the north and south sides of the driveway were installed at least 11 months ago. These walls have been retaining the fill along the north side of the driveway, and the cuts for the south edge of the driveway, since their installation. We understand that both of these walls will remain as timber-lagged, without a concrete facing applied.

These north and south driveway walls are both located above the groundwater table, so the only subsurface water that can reach them is the negligible amount that may percolate into the soil immediately behind the walls. We understand that no seepage has been observed exiting these walls, even through the rainy fall/winter season.

In our professional opinion, footing drains are not needed for these walls. Any small amount of water that may reach the walls from the soil behind them will weep through and around the timber lagging. This will prevent a build-up of hydrostatic pressure behind the lagged walls.

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

Respectfully submitted,

GEOTECH CONSULTANTS, INC.



3/10/2025

Marc R. McGinnis, P.E.
Principal

cc: **DME Construction** – Eric Ulfwengren
via email: eric@dmeconstruction.com

Core Design – Michael Moody
via email: mmoody@coredesigninc.com