



March 25, 2024

G-5861

Mr. Ananta Gudipaty
3737 – 77th Avenue SE
Mercer Island, Washington 98040

Subject: Geotechnical Review of Proposed Heated Geo-Slab Foundation System
Proposed Residence
3632 – 90th Avenue SE
Mercer Island, Washington

Dear Mr. Gudipaty:

Per your request, GEO Group Northwest, Inc. has reviewed your proposal to use a proprietary product for the foundation of the new residence to be built the above-subject location on Mercer Island, Washington. We reviewed a set of standard plans and specifications for the heated Geo-Slab foundation system developed by Legalett, to familiarize ourselves with the product.

In our opinion, the proposed foundation system as specified in the enclosed plans is acceptable for the project from a geotechnical perspective, provided that the building slabs have a minimum thickness of 8 inches at structurally-loaded locations. We also recommend that the footing drains for the new residence be incorporated into the design for the foundation system either below or beyond the outer limits of the geofoam skirting that is illustrated in the plans.

Closing

Please feel welcome to contact us if you have any questions regarding this letter.

March 25, 2024
Mr. Ananta Gudipaty

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Sincerely,

GEO GROUP NORTHWEST, INC.

Keith Johnson


3/25/2024

Keith Johnson
Project Geologist

William Chang


3/25/2024

William Chang, P.E.
Principal Engineer

Enclosure: Sample Plans for Legalett Heated Geo-Slab System