



January 5, 2018

G-3837

Mr. William Summers
MI Treehouse LLC
P.O. Box 261
Medina, WA 98039
Email: bill@summersdevelopment.com

Subject: Pipe Pile Installation Time and Noise
Proposed Residence
5637 East Mercer Way, Mercer Island, WA 98040

Reference: GEO Group Northwest, Inc. Geotechnical Engineering Report
Report dated 3/13/2015, G3837 for the Proposed Residence

Dear Mr. Summers:

At your request, we are presenting our geotechnical evaluation to address the time and the noise impacts of the proposed pipe pile installation at the proposed residence.

At the present time we do not have a final design, however, based on our experience on similar projects we anticipate that the house will be supported on 4 inch diameter pipe piles driven by a 1,100 pound pneumatic hammer such as a Teledyne model TB425 or equivalent. The noise generated by the pile driving equipment is similar to that of a pneumatic jackhammer, with rapid percussions to advance the pile into the ground.

Accordingly, we also anticipate that up to 80 pipe piles will be installed, and the time frame to install the pipe piles will be from 5 to 10 working days, depending on the efficiency of the contractor.

Sincerely,
GEO Group Northwest, Inc.


William Chang, P.E.
Principal

