

SILICON VALLEY SOIL ENGINEERING

GEOTECHNICAL CONSULTANTS

File No. SV2505

August 31, 2023

Handa Developers Group
4381 Samson Way
San Jose, CA 95124

Attention: Nitin Handa

Subject: Proposed Residence
APN 127-35-152
700 Ellsworth Place
Palo Alto, California

GEOTECHNICAL CLARIFICATION

Reference:

- *Geotechnical Investigation* report (File No. SV2505 dated December 27, 2022).

Dear Nitin Handa:

Pursuant to your request, we are pleased to transmit herein the results of our geotechnical clarification for the proposed residence with detached garage. The subject site is located at 700 Ellsworth Place in Palo Alto, California.

Based on our review of the above-mentioned soil report and project civil plans, the proposed structure loading including detached garage will not impact the integrity of the existing adjacent concrete lined Matadero Creek and the creek will not impact the proposed building structure foundation. The bottom of the creek is approximately 8 feet elevation and the proposed garage floor is 17.52 feet elevation. The proposed garage foundation bottom elevation is 2.5 feet plus slab section (~1 foot) which is approximately 13.7 feet elevation. As a result (worst case scenario), the vertical difference is 6 feet $((17.52 - 2.5 - 1) - 8 \approx 6)$. The horizontal distance at the closet location to the creek bank is approximately 9 feet. Therefore, the location of the proposed structures will not impact the influence zone of creek. The influence zone is defined as the imaginary line extending at the outer edge of the foundation at a downward slope of 1H:1V (one unit horizontal distance to one unit vertical distance) - extending downward towards the creek bottom. The influence line is (9H:6V) less than 1H:1V whereas the structure load is not impacting the creek.

If you have any questions or require additional information, please feel free to contact our office at your convenience.

Very truly yours,
SILICON VALLEY SOIL ENGINEERING



Sean Deivert
Project Manager



Vien Vo, P.E.



SV2505.AGR/Copies: 1 to Handa Developers Group