



April 8, 2022

Job No. 20-138

Dana Morrison
Napa County Planning, Building and Environmental Services Department
1195 Third Street, Suite 210
Napa, CA 94559

Re: Nikolau Vineyards Landslide Assessment
P22-00044
432 Dutch Henry Canyon Road, Calistoga, CA APN 018-050-072

Dear Ms. Morrison:

This letter is to provide supplemental information regarding the location of the proposed vineyard development relative to known landslide features in the general area. As indicated in the project narrative, the Napa County Geographic Information System database indicates the presence of potential landslides in the vicinity of the subject property. Our review of the California Geological Survey's web-based app indicates that the project area is located within the central portion of a very large landslide feature. The data in the California Geological Survey's web-based app has been taken from U.S. Geological Survey open-file report 76-74, titled "Reconnaissance Photointerpretation Map of Landslides in 24 Selected 7.5-minute Quadrangles in Lake, Napa, Solano, and Sonoma Counties, California dated 1976".

We have reviewed the subject property and surrounding areas and it is apparent that this landslide is of historic nature and there does not appear to be evidence of current movement or instability in the immediate vicinity of the project area. The project will involve removal of native vegetation, ripping the land to a depth of approximately 3 feet and preparing the land for vineyard planting. Furthermore, the project has been specifically designed to maintain existing drainage patterns, prevent the concentration of run off, and maintain the existing hydrologic regime on the property. A robust vegetive cover crop that will further stabilize the surface soils is also included in the project design. Given these design factors, it is our opinion that the proposed project will not adversely affect the overall stability of the project site, the historic landslide feature or the area in general.

If you have any further questions regarding this matter, please feel free to contact us at (707) 320-4968.

Sincerely,

Applied Civil Engineering Incorporated

By:

Michael R. Muelrath

Michael R. Muelrath RCE 67435

Principal



Enclosure

Landslide Inventory Map Printout obtained from
www.maps.conservation.ca.gov/cgs/lis/app/

