

PJC & Associates, Inc.

Consulting Engineers & Geologists

February 3, 2023

Job No. S3396.01

PPI Engineering
Attention: Matthew S. Bueno
2800 Jefferson Street
Napa, CA 94558

**Subject: Geotechnical Plan Review
 Proposed Water Storage Reservoir
 2155 Ramal Road
 Napa, California**

References: Report titled, "Geotechnical Investigation, Proposed Carneros Vista Reservoir, Duhig Road, Napa, California," prepared by PJC & Associates, Inc., dated October 28, 2022.

Water Storage Reservoir Design, 44 pages, prepared by PPI Engineering, dated January, 2023.

Reservoir Plans, Sheets 1 through 4, prepared by PPI Engineering, dated January 31, 2023.

PJC & Associates, Inc. (PJC) is pleased to submit this letter presenting the results of our geotechnical review of the project plans and design for the above captioned project. PJC previously performed a geotechnical investigation for the project and presented the results in a written report dated October 28, 2022. The purpose of our review was to confirm that our geotechnical recommendations were incorporated into the project plans and design.


It is our understanding that the configuration of the proposed reservoir has changed since the time of our geotechnical report. Therefore, PJC has performed additional stability analysis of the revised embankments. Based on our additional analysis, the proposed exterior embankment has adequate factors of safety for both that static and pseudostatic conditions.

Based on the results of our review, the project plans are in general conformance with our recommendations. However, we have the following comments. Observation and testing services should be provided by PJC to verify that the intent of the project plans and specifications is carried out during construction; these services should include field density testing of engineered fill, observing the keyway excavations and installation of the subsurface drainage facilities.

We trust that this is the information that you require at this time. If you have any questions concerning the content of this letter please call.

Sincerely,

PJC & Associates, Inc.



Anthony J. DeMartini
Geotechnical Engineer
GE 2750, California

