



Engineering Letter

Date : November 30, 2021

Site Number : **CLL05528**

Site Name : **ATT / West Covina Water Tank**

Address : 3540 E. Cameron Avenue
Covina, CA 91791

Subject : **Vault Installation**

The bore log data (See Exhibit 'A') from the soils report prepared by 'Geoboden' shows bedrock starting less than 3' below grade. A vault installation will require 25' deep excavation, 20' of the ground disturbance will be on bedrock. The amount of force during construction will generate substantial impact loads that may affect the adjacent retaining wall (5' east), and thereby affecting the tank (20' east). See Exhibit 'B'.

During the site visit, we noticed the water tank facility is also being utilize for civil works storage. Exhibit 'C' shows two (2) Wheel Loaders parked at the proposed lease area location. Although the prefab vault is designed for traffic load, it may not be designed for continuous dead load from multiple heavy equipment. A small payload can weigh up to 25,000 lbs, which is 4 times the weight of a standard pickup truck.

With these in mind, we suggest keeping the equipment above grade and avoid the UG vault. This decision will prevent possible structural safety issues in the future.

Sincerely,

(Bok) Johnnoah Yu, LEED AP BD+C
Architect
DCI PACIFIC, Inc.

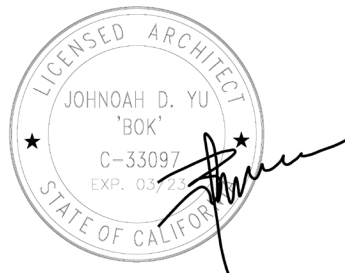


Exhibit C

