

Project No. 42361.00

October 10, 2017

Truckee Meadows Water Authority  
1355 Capital Boulevard  
Reno, Nevada 89502

Attention: Bill Hauck

**Reference:** *Donner Lake Emergency Outlet Cleanout Project*  
*Truckee/Nevada County, California*

**Subject:** *Geotechnical Engineering Report – Addendum No. 1*

This letter presents Addendum No. 1 to our Geotechnical Engineering Report dated October 4, 2017, for the proposed Donner Lake Emergency Outlet Cleanout Project located at the east end of Donner Lake in Donner Memorial State Park in Truckee/Nevada County, California. The project will involve constructing temporary coffer dams to dewater the channel and excavating or dredging soil material to deepen and widen the outflow channel. The original plans involved material removal along approximately 1,800 feet of channel to the planned elevation of 5,924 feet above mean sea level (MSL). The project plans have been revised to shorten the length of the project by approximately 400 feet subsequent to preparation of our geotechnical investigation report. This Addendum No. 1 provides responses for two questions (Questions No. 13 and 14) in project Addendum No. 2.

We encountered granular soil within the channel area during our subsurface exploration. However, very soft, highly organic, soil was encountered west of the channel in Donner Lake. In paragraph two of the cover letter in our Geotechnical Engineering Report, we stated “These conditions will likely hamper equipment maneuverability and sediment removal and/or the approach to site grading at the lake. This material will likely be unstable for the support of water bladder coffer dams. Excavation equipment may be limited to tracked vehicles in portions of the site and haul roads may require temporary stabilization during construction.”

**Response to Question No. 13:** The cofferdam has been moved to STA 4+00 in the revised project plans, closer to the channel inlet, due to potential unstable material farther out in the lake. At this location we anticipate that there will be approximately one to two feet of soft highly organic material and the cofferdam will likely displace this soft

organic material during installation. Refer to revised plans issued with project Addendum No. 2.

In Section 4.2 of our Geotechnical Engineering Report we stated "Based on our initial findings of the very soft, highly organic silty sand soil within the lake area, we expect that it is impractical to use bladder dams on this soil."

**Response to Question No. 14:** The cofferdam has been relocated to an area where there is less soft organic material at approximate STA 4+00. At this location we anticipate that there will be approximately one to two feet of soft highly organic material and the cofferdam will likely displace this soft organic material during installation. Again, refer to revised plans issued with project Addendum No. 2.

We trust this addendum clarifies the above questions and provides the information you need at this time. Please contact us if you have any questions regarding this report or if we can be of additional service.

Sincerely,


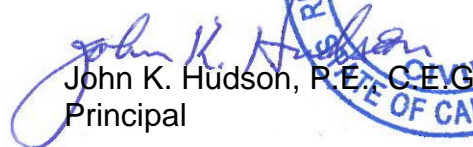
**HOLDREGE & KULL**

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