PG&E FULTON-FITCH MOUNTAIN RECONDUCTORING PROJECT

DATA NEEDS #3 FOR PETITION FOR MODIFICATION #1
HWQ-01

Groundwater will be dewatered from excavations via a submersible sump pump and transferred to one or more temporary storage tanks using flexible hosing or aluminum conveyance piping. Containerized groundwater will either be (1) transported off site to an approved disposal facility by 120-barrel vacuum trucks or (2) applied to land in accordance with State Water Resources Control Board Water Quality Order No. 2003-0003-DWQ, *Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (land discharge permit).* Once dewatering has commenced, a water quality assessment will be conducted. For Option 1, a representative sample of the accumulated groundwater may be collected from the temporary storage tanks and submitted for laboratory analysis to verify suitability in accordance with wastewater treatment plant requirements. For Option 2, the site will be assessed for nearby contaminated sites and any known contamination, and visual observations will be performed, as required by the land discharge permit. Best Management Practices will also be implemented according to the land discharge permit. If necessary, water will be filtered via a filter bag or other device prior to disposal or land application. The total volume of groundwater that is anticipated from excavation dewatering is estimated at between 10,000 and 100,000 gallons; however, this estimate could fluctuate significantly in response to seasonal rainfall variations, and groundwater withdrawal at the time of year the work is performed.

Continuous dewatering during normal work hours may be necessary to facilitate completion of foundation construction activities in this area. This will entail operating submersible sump pumps, generators, and vacuum trucks. Storage tanks and groundwater extraction related equipment is expected to be staged along the alignment where adequate space may be utilized. This may entail one or multiple staging locations dependent upon volume of groundwater encountered and number of TSP excavation locations where dewatering is required.

FIGURE 1

Excavation Dewatering Schematic

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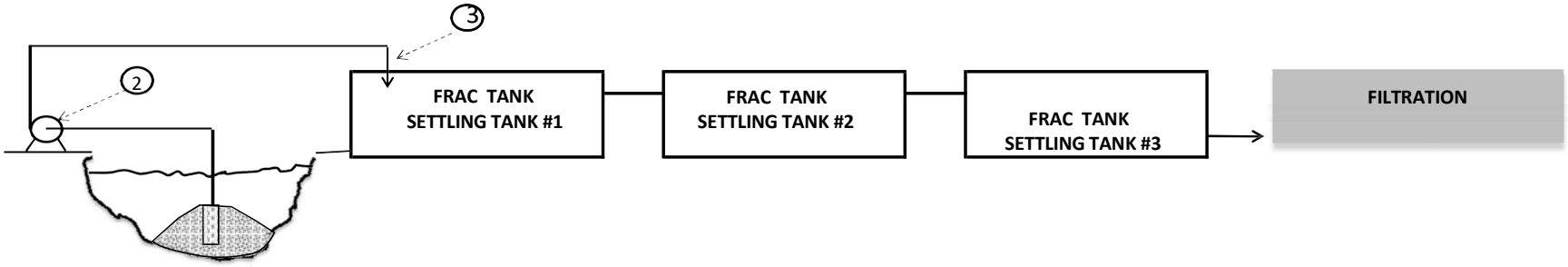

1 IN-PIT SEDIMENT SCREENING: To minimize the amount of solids being pumped from the excavation. The contractor shall install a sump in conjunction with either a slotted well pipe or the suction strainer/screen wrap configuration as described below.

SUCTION STRAINER:
7 In. Dia., Opening 3/8 Inch, NPT 3 Inches, 16 Gauge Steel (Grainger or equivalent)
Grainger Item # 1P812

SCREEN WRAP MATERIAL:
Wire Cloth, Plain Weave, Stainless Steel, Plain Finish, Mesh Size 10 x 10, Wire Dia. 0.035 In (Grainger or equivalent)
Grainger Item # 3DLK2

2 *FLOWRATE NOT TO EXCEED 250 GPM

3 PUMP DISCHARGE NO GREATER THAN 2 FEET FROM TANK TOP

Additional Notes:

1. Minimal GW volume, may utilize a single storage tank for particulate settling.
2. Significant volume, trench screening is required. Settling tank may be needed to minimize particulate filter pluggage.