

Kate Jesus

From: Kate Jesus
Sent: Monday, October 04, 2021 2:39 PM
To: Kate Jesus
Subject: Addendum for the Copper Cove WWTP - Tertiary Treatment Improvements and Facilities Plan RSOQ/RFP
Attachments: Pond 6 - Removal & Relcation of Utilities.jpg; CC Reclaim 8-21.xlsx; Sign-In Sheet Sept.30, 2021 Job Walk.pdf; Professional Services Agreement (updated 6.28.21).pdf

Please find the attached:

- 1) For the Pond 6 reservoir enlargement, I have attached a map identifying the existing utilities and facilities that are in conflict with raising of the dam.
- 2) Regarding the tertiary treatment facility, the following requirements are noted:
 - a. A pretreatment system is to be included for pretreatment of algae from Pond 6 prior to the tertiary filters. This will most likely be dissolved air flotation (DAF) units. The District has had success with KROFTA Supracell units at its Forest Meadows Wastewater Treatment Plant.
 - b. For reliability and redundancy, all tertiary treatment systems (e.g. pretreatment, filtration and UV system) must have a redundant treatment trains consisting of a minimum of two parallel treatment units.
 - c. The tertiary treatment process must be able to treat the peak hourly plant influent flow (ranging from 1,000 to 1,400-gpm) or peak daily plant influent flow if sufficient equalization is incorporated into the design. The tertiary treatment system should be expandable to buildout.
 - d. Also, from a Title 22 treated effluent perspective, the tertiary treatment process should be capable of treating the full storage volume of the Pond 6, approximately 450 ac-ft within the irrigation season from May thru September or about 30Mgal per month. The maximum irrigation demand of the golf course has been record to be approximately 30 Mgal/month in the hottest summer months and the golf course irrigates during the evening and overnight hours (say over an 8-12 hour period). The golf course irrigation pond (NC-2D) is capable of equalizing some of these daily irrigation demands.
 - e. September 30th Site Visit – Sign In Sheet
 - f. CCWD's standard Professional Services Agreement

Thank you,

Kate Jesus

Engineering Coordinator

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