

Handout

Agenda Item 6

Date July 17, 2019



~~Darius Abolhassani Consultant & Associates, Inc.~~

7 Mt. Lassen Dr., Suite A-129, San Rafael, CA 94903

Phone: (415) 499-1919 Email: darius@dacassociates.net

July 1, 2019

Mr. Michael Cortez
District Engineer
Las Gallinas Valley Sanitary District
300 Smith Ranch Road
San Rafael, CA 94903

Re: Proposal for Construction Support Services
Las Galinas Valley Sanitary District
Secondary Treatment Plant Upgrade
300 Smith Ranch Rd., San Rafael, CA
DAC Project No.: 1313-3719C

Dear Mr. Cortez:

In response to your request, we are pleased to submit this proposal to provide geotechnical engineering support services for construction of the proposed Secondary Treatment Plant Upgrade project to be located at 300 Smith Ranch Road, in San Rafael, California. This proposal is based on 1) our geotechnical engineering investigation and our subsequent consultation for development of foundation design of the proposed project, 2) a cursory review of the approved foundation plans dated, 3) our current drilling observation of the aeration basin caissons, and 4) our previous experience with similar projects in the San Francisco Bay Area.

1.0 DESCRIPTION OF PROJECT

The project consists of a major upgrade to the secondary treatment plant including construction of new (1) a pump station, (2) a large equalization basin, (3) anaerobic and anoxic basins, (4) an electrical building, (5) a new DAFT and small equalization basin, (6) three secondary clarifiers, (7) a UV and bioassay building, (8) an odor-control, (9) a recycled water distribution pump structure, and (10) raising of grade by placement of about 5 ft of fill. The pump station and equalization basin will have floor elevations of approximately -10 and -7 ft relative to mean sea level (msl), the other structures will have floor elevations of approximately 3 to 7 ft amsl, and the roadway grading will raise grade from about 10 ft to about 14–17 ft amsl.



Proposal for Construction Support Services
 Secondary Treatment Plant Upgrade
 300 Smith Ranch Rd., San Rafael, CA
 (Continued)

LGVSD Secondary Treatment Plant Upgrade Project
DAC- Fee Estimate for Construction Support Services

<u>Description</u>	<u>Staff</u>	<u>Weeks</u>	<u>Work Days</u>	<u>Time (hrs)</u>	<u>Rate</u>	<u>Subtotal</u>
Data Collection & Review	Principal Engineer/Geologist	0.4	2	16	\$225	\$3,600
	Project Engineer/Geologist	0.4	2	16	\$185	\$2,960
Pier Drilling Observation	Project Engineer/Geologist	6	30	240	\$185	\$44,400
Earthwork and Geotechnical Drainage Observation and Testing	Project Engineer/Geologist	6	30	240	\$185	\$44,400
	Field Testing	4	20	160	\$150	\$24,000
	Laboratory Testing	1	5	40	\$120	\$4,800
Project Meetings	Principal Engineer/Geologist	1	5	40	\$225	\$9,000
	Project Engineer/Geologist	1	5	40	\$185	\$7,400
Project Communication: Letters, Emails, and Phone Calls	Principal Engineer/Geologist	6	30	240	\$225	\$54,000
	Project Engineer/Geologist	6	30	240	\$185	\$44,400
Supplemental Geotechnical Reports	Principal Engineer/Geologist	2	10	80	\$225	\$18,000
	Project Engineer/Geologist	2	10	80	\$185	\$14,800
Total		35.8	179	1432		\$271,760

Additional consultation services, which are beyond the scope of this proposal, will be provided upon your request and authorization on a 'T&M' basis at the applicable hourly rates.

