Dublin San Ramon Services District
Water, wastewater, recycled water

Board of Directors

AGENDA

NOTICE OF REGULAR MEETING
TIME: 6 p.m. **DATE:** Tuesday, December 15, 2020
PLACE: Teleconference

Pursuant to Governor Newsom's Executive Orders N-25-20, N-29-20, and N-33-20, and local county health orders issued to address the COVID-19 pandemic, the Board meeting will be held via Teams Teleconference. The District Boardroom will be closed to the public.
The public may observe and comment by electronic means as described on Page 3.

See Page 3 of the Agenda Packet for Teams Teleconference Access Information

Our mission is to protect public health and the environment by providing reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and fiscally responsible manner.

1. CALL TO ORDER

2. PLEDGE TO THE FLAG

3. ROLL CALL – Members: Halket, Johnson, Rubio, Vonheeder-Leopold

4. BOARD ORGANIZATION

   4.A. Selection of President and Vice President of the Board of Directors for 2021
   Recommended Action: Approve by Motions (2)

5. SPECIAL ANNOUNCEMENTS/ACTIVITIES
   - New Employee Introductions

6. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)
   At this time those on the teleconference call are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight's agenda. Comments should not exceed five minutes. The President of the Board will recognize each speaker, at which time the speaker should introduce him/herself, and then proceed with his/her comment. Written comments of five minutes or less and received by 5 p.m. on the day of the meeting will be read into the meeting record.

7. REPORTS

   7.A. Reports by Staff
   - Event Calendar
   - Correspondence to and from the Board

   7.B. Joint Powers Authority and Committee Reports

   7.C. Agenda Management (consider order of items)

8. CONSENT CALENDAR

Matters listed under this item are considered routine and will be enacted by one Motion, in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board or the public prior to the time the Board votes on the Motion to adopt.

8.A. Approve Regular Meeting Minutes of December 1, 2020
Recommended Action: Approve by Motion

8.B. Accept Regular and Recurring Reports: Warrant List and Quarterly Financial Reports and Elimination of Warrant List in Future Regular and Recurring Reports
Recommended Action: Accept by Motion

8.C. Authorize the General Manager to Execute a Covenant and Environmental Restriction on the Deed for 7035 Commerce Circle, Pleasanton, CA
Recommended Action: Authorize by Motion

8.D. Approve Master Agreement for Consulting Services with Wood Rodgers, Inc. and Authorize Execution of Task Order No. 1 for Reservoir 20B Project (CIP 14-W008)
Recommended Action: Approve by Resolution and Authorize by Motion

9. BOARD BUSINESS

9.A. Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists
Recommended Action: Approve by Motion

9.B. Receive Presentation on the Enterprise Resource Planning (ERP) System Conversion Project (CIP 20-A002)
Recommended Action: Receive Presentation

9.C. Discuss Options for Filling a Board of Directors Vacancy and Provide Direction
Recommended Action: Discuss and Provide Direction by Motion

9.D. Discuss and Provide Direction on Board Committees and Joint Powers Authority Assignments for Calendar Year 2021
Recommended Action: Discuss and Provide Direction

10. BOARD MEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors
- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

11. ADJOURNMENT

All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection during business hours by calling the District Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

Teams Teleconference Access Information

Dublin San Ramon Services District
Regular Board Meeting
Tuesday, December 15, 2020

If the public wishes to provide comments during Agenda Item 6 – Public Comment, or on any of the agendized items, please join the meeting using the teleconference instructions below, or email written comments to the Board of Directors at board@dsrsd.com by 5 p.m. Tuesday, December 15, 2020. Written comments, of five minutes or less, will be read into the meeting record during the public comment portion of the agenda or during discussion of the subject of the comment.

To Join by Computer or Device:

1. Click **Join Meeting**.
2. Select how you want to join the Teams meeting.
3. Click "**Join now**." You can personalize your video and audio preferences before or after joining.
4. Public participants would wait for the meeting host to admit you.
5. You must unmute yourself when you wish to speak by clicking the microphone icon, which is also used to mute yourself when you finish speaking.

To Join by Phone Only:

1. Dial **(831) 256-7773** USA Toll from any telephone.
2. Enter Conference ID **719 101 598#** when prompted. DO NOT PRESS *.
3. Wait for the meeting host to admit you. If you are unsuccessful in joining, hang up and dial in again.
4. You must unmute yourself when you wish to speak by pressing *6, which is also used to mute yourself when you finish speaking.

Video Teleconference Meeting Instructions and Information:

- Stay muted unless speaking.
- Listen for prompts to know when public comments are solicited.
- You must unmute yourself when you wish to speak during Public Comment or during discussion of a particular agenda item. The meeting host can mute but cannot unmute participants.
- Announce yourself and speak slowly and clearly when commenting.
- Call (925) 875-2224 if you experience any technical difficulties.

Boardmembers and staff will be attending the meeting via teleconference. The Board will convene any Closed Sessions on a separate teleconference line and return to the open teleconference meeting for the next agenda item when the Closed Session is completed. The open teleconference meeting will be muted during this time and will resume for the Closed Session report and meeting adjournment.

The Boardroom is closed to the public.

All votes during the meeting will be taken by roll call vote.

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Selection of President and Vice President of the Board of Directors for 2021

RECOMMENDATION:

Staff recommends the Board of Directors select and approve, by two (2) separate Motions, first the President and then the Vice President of the Board, and that these appointments become effective immediately and run through the next selection of Board officers scheduled for December 2021.

DISCUSSION:

Each year, typically at the first meeting in December, but in an election year at the first meeting after the new Board is seated, the Board elects from its members its President and Vice President for the ensuing term.

The Board has adopted a policy on the election of its officers (Attachment 1). In accordance with that policy, eligibility for President and Vice President occurs after 12 months of continuous service on the Board. Under normal rotation, the Vice President would become the President, and the Boardmember who has the longest continuous service on the Board without ever serving as President would become Vice President.

Thus, **for this rotation, Vice President Ann Marie Johnson would be next in line for President and Director Richard Halket would be next in line for Vice President for 2021**. A summary of recent Board officers is also included for reference (Attachment 2). For the subsequent rotation, Director Halket would be in line for President and Director Marisol Rubio for Vice President for 2022.

Traditionally, the term for the officers begins immediately upon the Board's action in this matter and runs through the next selection of officers in December 2021.

Originating Department: Administrative Services	**Contact: V. Chiu**	**Legal Review: Not Required**
Financial Review: Not Required	**Cost and Funding Source: $0**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – Election and Rotation of Board Officers policy (P100-19-3)** **Attachment 2 – Listing of Recent Board Officers**	

Dublin San Ramon Services District
Water, wastewater, recycled water

Policy

Policy No.	P100-19-3	**Type of Policy:**	Board Business
Policy Title:	Election and Rotation of Board Officers		
Policy Description:	Election of Board President and Vice President on District Board		

Approval Date:	4/7/2015	**Last Review Date:**	2019
Approval Resolution No.:	19-15	**Next Review Date:**	2023
Rescinded Resolution No.:	45-04	**Rescinded Resolution Date:**	8/17/2004

It is the policy of the Board of Directors of Dublin San Ramon Services District:

1. The election of Board officers, (President, Vice President), shall take place annually: The President shall be elected first, the Vice President second, each by separate motion.

2. The election of Board officers shall occur on:
   a. In an election year, at the first regular Board Meeting after elected Boardmembers are sworn in.
   b. In a non-election year, at the first regular Board meeting in December.

3. The President and Vice President must have been elected to the Board of Directors rather than appointed.

4. Eligibility for the office of President and Vice President occurs twelve (12) months following first election to the Board of Directors. (Assuming continuous service since first election.)

5. <u>PRESIDENT</u>:

   a. The Vice President is the President-elect under normal rotation.

   b. The elected member who has served the longest on the Board (in continuous service) without ever serving as President and who meets the requirements Nos. 3 and 4 above, shall rotate to the Presidency.

   c. If all elected members of the Board have been President, the elected member who has served the longest on the Board (in continuous service) since last being President, and who meets the requirements Nos. 3 and 4 above, shall rotate to the Presidency.

Policy No. P100-19-3	**Policy Title:** Election and Rotation of Board Officers

6. VICE PRESIDENT:

   a. When the position of the President is filled the elected member next in line shall be rotated to the position of Vice President in accordance with criteria 6(b) and 6(c).

   b. The elected member of the Board of Directors who has served longest on the Board (in continuous service) without ever serving as President and who meets requirements Nos. 3 and 4 above, shall rotate to the Vice Presidency.

   c. If all elected members of the Board have been President, the elected member who has served the longest on the Board (in continuous service) since last being President, and who meets requirements Nos. 3 and 4 above, shall rotate to the Vice Presidency.

7. If no member meets criteria 3, 4, 5, or 3, 4, and 6, or if there are members whose eligibility criteria are the same, then succession shall be determined by which member has served longest on the Board (in continuous service). If a tie still exists, the elected member who received the greatest number of votes at their last election shall be given preference in the rotation.

Policy is current and no changes need to be adopted by the Board of Directors. Status Quo Chronology:	
Date Adopted:	
April 7, 2015	
Reviewed by Committee or Board:	Date:
Board	**October 1, 2019**

LISTING OF RECENT BOARD OFFICERS

Year	President	Vice President
2020	Duarte	Johnson
2019	Misheloff	Duarte
2018	Vonheeder-Leopold	Misheloff
2017	Halket	Vonheeder-Leopold
2016	Howard	Halket
2015	Duarte	Howard
2014	Vonheeder-Leopold	Duarte
2013	Benson	Vonheeder-Leopold
2012	Halket	Benson
2011	Howard	Halket
2010	Hansen	Howard
2009	Scannell	Hansen / Ford
2008	Halket	Scannell
2007	Howard	Halket
2006	Hansen	Howard

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0016
(916) 319-2016
FAX (916) 319-2116

DISTRICT OFFICE
2440 CAMINO RAMON, SUITE 345
SAN RAMON, CA 94583-4393
(925) 328-1515
FAX (925) 328-1514

Assembly
California Legislature

REBECCA BAUER-KAHAN
ASSISTANT SPEAKER PRO TEMPORE
ASSEMBLYMEMBER, SIXTEENTH DISTRICT

COMMITTEES
BANKING AND FINANCE
ENVIRONMENTAL SAFETY AND TOXIC MATERIALS
PRIVACY AND CONSUMER PROTECTION
PUBLIC SAFETY

December 3, 2020

The Honorable Rich Halket
Dublin San Ramon Services District
7051 Dublin Boulevard
Dublin, CA 94568

Dear Director Halket,

I would like to offer my heartfelt congratulations to you on your election to the Dublin San Ramon Services District Board of Directors. The critical work you will do in this role, ensuring safe and reliable water services, is critical to supporting our local community. My staff and I are looking forward to working with you to help our communities through the current challenges we face with COVID and beyond.

Please accept my best wishes as you work to fulfill the mission of the Dublin San Ramon Services District and do not hesitate to reach out if my office can be of any assistance in the future. You may also contact me directly on my cell at (510) 316-4955.

Sincerely,

Rebecca Bauer-Kahan
Assemblymember, 16th District

Printed on Recycled Paper

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0016
(916) 319-2016
FAX (916) 319-2116

DISTRICT OFFICE
2440 CAMINO RAMON, SUITE 345
SAN RAMON, CA 94583-4393
(925) 328-1515
FAX (925) 328-1514

Assembly
California Legislature

REBECCA BAUER-KAHAN
ASSISTANT SPEAKER PRO TEMPORE
ASSEMBLYMEMBER, SIXTEENTH DISTRICT

COMMITTEES
BANKING AND FINANCE
ENVIRONMENTAL SAFETY AND TOXIC MATERIALS
PRIVACY AND CONSUMER PROTECTION
PUBLIC SAFETY

December 3, 2020

The Honorable Marisol Rubio
Dublin San Ramon Services District
7051 Dublin Boulevard
Dublin, CA 94568

Dear Director Rubio,

I would like to offer my heartfelt congratulations to you on your election to the Dublin San Ramon Services District Board of Directors. The critical work you will do in this role, ensuring safe and reliable water services, is critical to supporting our local community. My staff and I are looking forward to working with you to help our communities through the current challenges we face with COVID and beyond.

Please accept my best wishes as you work to fulfill the mission of the Dublin San Ramon Services District and do not hesitate to reach out if my office can be of any assistance in the future. You may also contact me directly on my cell at (510) 316-4955.

Sincerely,

so excited for you to serve! congrats!!

Rebecca Bauer-Kahan
Assemblymember, 16th District

Printed on Recycled Paper

DUBLIN SAN RAMON SERVICES DISTRICT
MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS

December 1, 2020

Pursuant to Governor Newsom's Executive Orders N-25-20, N-29-20, and N-33-20, and local county health orders issued to address the COVID-19 pandemic, this Board meeting was held via Teams teleconference. The District Boardroom is closed to the public; however, the public may observe and comment by calling in to the teleconference meeting per the instructions provided on page 4 of the agenda. As required by the Brown Act, all votes were taken by roll call vote due to the attending Directors participating via teleconference.

1. CALL TO ORDER

A regular meeting of the Board of Directors was called to order at 6:12 p.m. by President Duarte.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting:
President Edward R. Duarte, Vice President Ann Marie Johnson, Director Richard M. Halket, Director Georgean M. Vonheeder-Leopold and Director Dwight L. (Pat) Howard.

District staff present: Dan McIntyre, General Manager; Jan Lee, Assistant General Manager; Carol Atwood, Administrative Services Manager/Treasurer; Judy Zavadil, Engineering Services Manager/District Engineer; Jeff Carson, Operations Manager; Douglas E. Coty, General Counsel; and Vivian Chiu, Administrative Analyst I.

4. SPECIAL ANNOUNCEMENTS/ACTIVITIES

New Employee Introduction:
Zack Ruiz, Information Systems Technician II

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:16 p.m. No public comment was received.

6. REPORTS

6.A. Reports by Staff

- Event Calendar – General Manager McIntyre reported on the following:
  - A virtual WateReuse Northern California chapter meeting will be held on Friday, December 4, from 10 a.m. to noon.
  - A virtual regular Board meeting will be held on Tuesday, December 15, at 6 p.m. and the swearing in of two DSRSD Boardmembers will be held beforehand at 5:30 p.m.
  - The January 5 Board meeting is being reviewed for possible cancellation.

- Correspondence to and from the Board on an Item not on the Agenda

Date	Format	From	To	Subject	Response
11/18/20	Email	Georgean Vonheeder-Leopold	DSRSD Board	DSRSD Presentation to Alameda County Special Districts Association	N/A

6.B. Joint Powers Authority and Committee Reports
LAVWMA – November 18, 2020
DERWA – November 23, 2020
DSRSD/City of Dublin Liaison – November 30, 2020

President Duarte invited comments on recent JPA/committee activities. Directors felt the available staff reports and verbal summaries of the discussions at the meetings adequately covered the many matters considered at the JPA/committee meetings and made a few comments about some of the JPA/committee activities.

6.C. Agenda Management (consider order of items) – No changes were made.

7. CONSENT CALENDAR

Director Halket MOVED for approval of the item on the Consent Calendar. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

7.A. Approve Regular Meeting Minutes of November 17, 2020 – Approved

8. BOARD BUSINESS

8.A. Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists

Assistant General Manager Lee reviewed the item for the Board. She reported both Alameda and Contra Costa Counties are in the Tier 1 (purple tier), the most restrictive tier indicating widespread transmission. Out of 58 counties in California, 52 are now in the purple tier. The Governor recently implemented a curfew until December 21 to restrict non-essential activities. The order does not impact District business. The District may need to update its Exposure Control Plan in response to new OSHA (Occupational Safety and Health Administration) regulations.

Vice President Johnson MOVED to Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

8.B. Adopt Pay Schedule in Accordance with California Code of Regulations, Title 2, Section 570.5, Requirement for a Publicly Available Pay Schedule and Rescind Resolution No. 33-20

President Duarte read the following statement: In 2016, the Legislature added a provision to the Brown Act that requires that prior to taking final action on a salary

schedule that includes local agency executives, which as defined includes the District's Assistant General Manager and the District's three Senior Managers, "[t]he legislative body shall orally report a summary of [the] recommendation for … final action on … salary schedules … of a local agency executive." The salary schedule that is before the Board in Item 8.B. includes the respective salaries of the three Senior Managers as adjusted, effective December 14, 2020, by a cost-of-living adjustment of 2.75%, as is specified in their respective Personal Services Agreements as amended to date. The Board approved Amendments No. 1 to each of the three Senior Manager's respective Personal Services Agreements, following an oral report, on November 7, 2017, which report appears in the minutes of the November 7, 2017 Board meeting. Item 8.B. also includes the salary of the Assistant General Manager by a cost-of-living increase of 2.75% and a merit increase of 5% per the Personal Services Agreement approved by the Board on February 4, 2020, following an oral report, on February 4, 2020, which report appears in the minutes of the February 4, 2020 Board meeting.

Administrative Services Manager Atwood reviewed the item for the Board. She reported the 2.75% cost-of-living increase applies to all bargaining units, the three Senior Managers, and the Assistant General Manager. She noted the General Manager has declined the cost-of-living increase for this year.

Director Halket MOVED to adopt Resolution No. 60-20, Adopting a Pay Schedule in Accordance with California Code of Regulations, Title 2, Section 570.5, and *Rescinding Resolution No. 33-20*. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

8.C. Accept the Annual Report on Rate Stabilization Funds and Approve Transfers from the Regional Wastewater Operations Fund (Fund 300) to the Regional Wastewater Rate Stabilization Fund (Fund 305), the Water Rate Stabilization Fund (Fund 605) to the Water Operations Fund (Fund 600), and the Local Wastewater Operations Fund (Fund 200) to the Local Wastewater Rate Stabilization Fund (Fund 205)

Financial Services Supervisor Herman Chen reviewed the item for the Board. He explained at the end of each fiscal year, staff reviews the working capital of the Operations Funds and the Rate Stabilization Funds for the District's three enterprises and recommends fund transfers calculated according to the criteria set forth in the Financial Reserves policy. The minimum and maximum thresholds are based on budgeted operating expenses. Mr. Chen noted the Board approved consolidation of Capital Funds as part of the mid-cycle adjustments at its June 16 meeting, essentially moving all the operating expenses out of the Capital Funds into the Operations Funds. The consolidation increased the budgeted operating expenses and thereby increased the minimum and maximum reserve requirements. He summarized the three recommended fund transfers.

Director Howard MOVED to Accept the Annual Report on Rate Stabilization Funds and Approve Transfers from the Regional Wastewater Operations Fund (Fund 300) to the Regional Wastewater Rate Stabilization Fund (Fund 305), the Water Rate Stabilization Fund (Fund 605) to the Water Operations Fund (Fund 600), and the Local Wastewater Operations Fund (Fund 200) to the Local Wastewater Rate Stabilization Fund (Fund 205).

Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

8.D. Accept Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2020 with Independent Auditor's Report and Memorandum on Internal Control and Required Communications for the Fiscal Year Ended June 30, 2020

Financial Services Supervisor Chen introduced Mr. David Alvey, CPA and Audit Partner from Maze and Associates, the firm that conducted the annual audit. Mr. Alvey provided an overview of the District's audit and reported the District received a clean opinion which is the highest level of assurance that an agency can receive. He pointed out a new Government Accounting Standards Board (GASB) Statement No. 95 extended the implementation dates of certain GASB provisions by one year to 18 months due to COVID. He thanked the District's Finance staff for their assistance.

The Board and Mr. Alvey discussed the procedural changes due to COVID. The Board acknowledged the positive report and thanked staff and Mr. Alvey for work well done.

Director Howard MOVED to Accept Comprehensive Annual Financial Report for the Fiscal Year Ended June 30, 2020 with Independent Auditor's Report and Memorandum on Internal Control and Required Communications for the Fiscal Year Ended June 30, 2020. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

8.E. Approve Proclamation Honoring Edward "Ed" Duarte upon His Departure

Vice President Johnson read the proclamation. The Board and staff expressed appreciation for President Duarte's contributions to the District. He also received a plaque recognizing his "devoted leadership to the community and steadiness in the face of the Great Drought of 2014, the District Office Flood of 2018, and the Coronavirus Pandemic of 2020."

Director Howard MOVED to Approve a Proclamation Honoring Board Director Edward "Ed" Duarte upon His Departure. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

9. BOARDMEMBER ITEMS

- Submittal of Written Reports for Day of Service Events Attended by Directors

Director Vonheeder-Leopold submitted written reports to Administrative Analyst I Chiu. She reported that she attended the Alameda County Special Districts Association virtual membership meeting hosted by DSRSD on Wednesday, November 18. She summarized the activities and discussions at the meeting. She noted she also attended the DERWA and the DSRSD/City of Dublin Liaison meetings covered under Item 6.B. above.

- Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

Director Howard suggested that the new Board may wish to discuss a different method for calculating fees for restaurants if a reduction of tables due to social distancing becomes

permanent. The Board commented DSRSD does not bill by square footage as the City of Pleasanton does.

10. CLOSED SESSION

At 7:05 p.m. the Board went into Closed Session.

10.A. Conference with Labor Negotiators – Pursuant to Government Code 54957.6

Agency Negotiators:	Dan McIntyre, General Manager
	Jan Lee, Assistant General Manager
	Carol Atwood, Administrative Services Manager
	Michelle Gallardo, Human Resources & Risk Supervisor
	Samantha Koehler, Human Resources Analyst II
Employee Organizations:	1. Stationary Engineers, Local 39
	2. Mid-Management Employees' Bargaining Unit
	3. Professional Employees' Bargaining Unit
	4. Confidential Employees' Bargaining Unit
Additional Attendees:	Doug Coty, General Counsel
	Katie Kaneko, Koff & Associates, Inc.
	Dania Torres Wong, Sloan Sakai Yeung & Wong LLP

11. REPORT FROM CLOSED SESSION

At 8:43 p.m. the Board came out of Closed Session. President Duarte announced that there was no reportable action.

12. ADJOURNMENT

President Duarte adjourned the meeting at 8:43 p.m.

Submitted by,

Vivian Chiu, MMC
Administrative Analyst I

FOR: Nicole Genzale, CMC
Executive Services Supervisor/District Secretary

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Accept Regular and Recurring Reports: Warrant List and Quarterly Financial Reports and Elimination of Warrant List in Future Regular and Recurring Reports

RECOMMENDATION:

Staff recommends the Board of Directors accept, by Motion, the regular and recurring reports: Warrant List and Quarterly Financial Reports, and the elimination of all reporting of the warrant list in future regular and recurring reports.

DISCUSSION:

To maximize openness and transparency, and to allow the Board to be informed about key aspects of District business, the Board directed that various regular and recurring reports be presented for Board acceptance at regular intervals. This item is routinely presented to the Board at the second meeting of each calendar month.

The reports presented this month for acceptance are noted below and submitted as part of Attachment 1:

Ref A: Warrant List

For the period of 11/5/2020 to 12/2/2020, 277 accounts payable checks were issued totaling $5,454,800.25. Notable payments this period include $1.48 million Zone 7 treated water service, $1.12 million remittance of Zone 7 water connection fees, and $194,447 payment to City of Pleasanton per the 5th supplemental agreement. Current warrant lists are available on the District's website at https://www.dsrsd.com/about-us/library/financial-information.

On November 17, the Board approved placing the District warrant register on the District's website on a rolling 12-month basis starting December 1 and providing a link to the warrant lists in the regular and recurring staff report in lieu of including the lists in the Board agenda packets. Staff's intent was to not only reduce the size of the Board packet but streamline the reporting process by eliminating future regular and recurring monthly reports solely for the warrant list. In addition to accepting this month's reports, staff is requesting Board to provide the warrant list solely through the District's website.

Ref C: Quarterly Financial Reports

The September 30, 2020 first quarter financial reports for the District are attached for your consideration. The District has received 13.65% of total budgeted revenues and expended 17.22% of total budgeted expenses. Through the first quarter, capital expenditures are 12.37% of the capital budget. Water Enterprise is the only fund below policy target reserve levels, however, these numbers do not reflect the reserve adjustments approved at the December 1, 2020 Board meeting, which brings the Water Enterprise fund to target reserve levels. All other District Enterprise funds are above policy target reserves. All District Replacement and Expansion funds are above policy minimum reserves.

As discussed in the General Manager Report to Board December 4, 2020, capacity reserve fees are below budget projections for this quarter. The general development slowdown in 2019 is continuing through the COVID-19 crisis. For the first three months, capacity reserve fees for all funds are trending below expected (prorated) budget projections. In all cases, however, the District is exceeding estimates of 25% under the stress test scenarios for the capital funds presented at the July 7 Board meeting.

Originating Department: Administrative Services	**Contact: H. Chen/A. Atwood**	**Legal Review: Not Required**
Financial Review: Yes	**Cost and Funding Source: $0**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – Summary of Regular and Recurring Reports**	

SUMMARY OF REGULAR AND RECURRING REPORTS

Ref.	Description	Frequency	Authority	Last Acceptance	Acceptance at this Meeting?	Next Acceptance
A	Warrant List	Monthly	Board Direction	November 2020	Yes	N/A - Posted monthly on website
B	Treasurer's Report	Quarterly	CA Government Code 53646	October 2020		January 2021
C	Quarterly Financial Reports [1]	Quarterly	Board Direction	May 2020	Yes	February 2021
D	Outstanding Receivables Report	Annually – Fiscal Year	District Code 1.50.050	September 2020		August 2021
E	Employee and Director Reimbursements greater than $100 [2]	Annually – Fiscal Year	CA Government Code 53065.5	September 2020		August 2021
F	Utility Billing Adjustments[3]	Annually – Fiscal Year	Utility Billing Adjustment Policy	Total FYE20 credits below $25,000		August 2021
G	Annual Rate Stabilization Fund Transfer Calculation	Annually – After Audit	Financial Reserves Policy	December 2020		December 2021
H	"No Net Change" Operating Budget Adjustments	As they occur but not more frequently than monthly	Board Direction Budget Accountability Policy (See table below)	November 2017		Before end of month after occurrence
I	Capital Outlay Budget Adjustments			June 2020		
J	Capital Project Budget Adjustments			April 2019		
K	Unexpected Asset Replacements			June 2019		

For the fiscal year ending 2021, the totals for these reports are as follows:

Category	YTD	This Meeting	Total
Capital Outlay Budget Adjustments	$503,500	$0	$503,500
Capital Project Budget Adjustments	$0	$0	$0
Unexpected Asset Replacements	$23,000	$0	$23,000

[1] Financial reporting changed from monthly to quarterly reporting.

[2] Reimbursements also reported monthly in the Warrant List (Item A).

[3] Per Utility Billing Adjustments policy, a report will be presented to the Board if total credits in any fiscal year exceed $25,000.

Dublin San Ramon Services District
Water, wastewater, recycled water

September 2020

Quarterly Financial Reports

Report Name	Page
Revenue Summary	1
Working Capital Summary	2
Expense Summary by Fund	3
Expense Summary by Department	4
Expense Summary by Category	5
Capital Outlay by Division	6
Capital Project Expense Summary	7
Financial Statements	8
Legislative Division Expenses Report	12

I have reviewed the Quarterly Financial Reports
for the quarter ending 9/30/2020.

Carol Atwood

Digitally signed by Carol Atwood
Date: 2020.12.07 16:50:55 -08'00'

Dublin San Ramon Services District

Revenue Summary

September 2020

Revenue Source	Budget	Budget to Date	YTD Actual	Amount Remaining	%f Budget Received	% Revenue Expected
Service Charges						
Local Sewer Operations	$ 3,821,529	$ 736,791	$ 1,266,457	$ 2,555,072	33.14%	19.28%
Regional Sewer Operations	$ 22,771,677	$ 2,846,460	$ 2,698,685	$ 20,072,993	11.85%	12.50%
Water Operations	$ 35,922,277	$ 4,490,285	$ 4,532,773	$ 31,389,505	12.62%	12.50%
	$ 62,515,483	**$ 8,073,535**	**$ 8,497,914**	**$ 54,017,569**	**13.59%**	**12.91%**
Capacity Reserve Fees						
Water Replacement	$ 2,207,751	$ 551,938	$ 373,838	$ 1,833,913	16.93%	25.00%
Water Expansion	$ 4,933,221	$ 1,233,305	$ 847,855	$ 4,085,366	17.19%	25.00%
Local Sewer Replacement	$ 1,203,646	$ 300,912	$ 87,183	$ 1,116,463	7.24%	25.00%
Local Sewer Expansion	$ 36,715	$ 9,179	$ 2,659	$ 34,055	7.24%	25.00%
Regional Sewer Replacement	$ 2,382,957	$ 595,739	$ 189,663	$ 2,193,293	7.96%	25.00%
Regional Sewer Expansion	$ 6,590,768	$ 1,647,692	$ 523,761	$ 6,067,007	7.95%	25.00%
	$ 17,355,058	**$ 4,338,765**	**$ 2,024,960**	**$ 15,330,098**	**11.67%**	**25.00%**
Fees & Permits						
	$ 2,452,587	**$ 613,147**	**$ 102,447**	**$ 2,350,140**	**4.18%**	**25.00%**
Interest						
	$ 3,784,966	**$ 946,241**	**$ 60,471**	**$ 3,724,494**	**1.60%**	**25.00%**
Other Income						
Administrative Fees	$ 880,000	$ 220,000	$ 356,488	$ 523,512	40.51%	25.00%
DV Standby Assessment	$ 2,077,106	$ 519,276	$ 872,384	$ 1,204,721	42.00%	25.00%
Miscellaneous Revenue	$ 1,002,142	$ 250,535	$ 210,790	$ 791,352	21.03%	25.00%
Penalties	$ 130,000	$ 32,500	$ 0	$ 130,000	0.00%	25.00%
Property Taxes	$ 653,246	$ 163,312	$ 274,363	$ 378,883	42.00%	25.00%
Reimbursement of Costs	$ 500	$ 125	$ 0	$ 500	0.00%	25.00%
Rental Office Space	$ 19,200	$ 4,800	$ 0	$ 19,200	0.00%	25.00%
	$ 4,762,194	**$ 1,190,548**	**$ 1,714,026**	**$ 3,048,167**	**35.99%**	**25.00%**
	$ 90,870,288	**$ 15,162,236**	**$ 12,399,818**	**$ 78,470,470**	**13.65%**	**16.69%**

Note: Interfund transfers and Contributions of Property are excluded from this report.

Dublin San Ramon Services District
Working Capital Summary
September 2020

Enterprise Funds					
	Dollars ($)		In Months		
Fund	YTD Actual	Budget	Target (Months)	Last Quarter	Current Quarter
Local Wastewater Enterprise	$ 2,375,185	$ 1,495,774	4	5.89	6.35
Regional Wastewater Enterprise	$ 8,786,953	$ 7,012,997	4	6.79	5.01
Water Enterprise	$ 8,620,623	$ 11,209,382	4	3.98	3.08

Replacement Funds			
	In Dollars ($)		
Fund	Actual	Minimum	Above (Below)
Local Wastewater Replacement	$ 4,862,593	$ 3,111,164	$ 1,751,429
Regional Wastewater Replacement	$ 33,248,988	$ 12,533,228	$ 20,715,760
Water Replacement	$ 36,694,778	$ 14,459,177	$ 22,235,601

Expansion Funds			
	In Dollars ($)		
Fund	Actual	Minimum	Above (Below)
Local Wastewater Expansion	$ 7,017,856	$ 1,001,744	$ 6,016,112
Regional Wastewater Expansion	$ 47,658,330	$ 10,514,920	$ 37,143,410
Water Expansion	$ 32,883,966	$ 20,037,866	$ 12,846,100

Temporary Infrastructure Charge Status			
	In Dollars ($)		
Revenue Type	Amount Collected	Amount Repaid	Net
Temporary Infrastructure Charge Status	$ 8,206,030	$ (5,212,358)	$ 2,993,672

Dublin San Ramon Services District

Expense Summary by Fund

September 2020

% of Year Completed = 25%

Expense Summary by Fund	Budget	Budget to Date	Year To Date Actual	Dollars Remaining	Percent Used
200 - Local Sewer Operations	$ 3,420,489	$ 855,122	$ 484,235	$ 2,936,254	14.16 %
205 - Local Rate Stabilization Fund	$ 4,100	$ 1,025	$ 556	$ 3,544	13.57 %
210 - Local Sewer Replacement	$ 0	$ 0	$ 0	$ 0	0.00 %
220 - Local Sewer Expansion	$ 0	$ 0	$ 0	$ 0	0.00 %
300 - Regional Sewer Operations	$ 17,554,716	$ 4,388,679	$ 4,008,901	$ 13,545,815	22.84 %
305 - Regional Rate Stabilization Fund	$ 4,100	$ 1,025	$ 556	$ 3,544	13.57 %
310 - Regional Sewer Replacement	$ 1,043,600	$ 260,900	$ 980	$ 1,042,620	0.09 %
320 - Regional Sewer Expansion	$ 4,313,654	$ 1,078,414	$ 1,078,414	$ 3,235,241	25.00 %
600 - Water Operations	$ 30,951,203	$ 7,737,801	$ 4,423,645	$ 26,527,558	14.29 %
605 - Water Rate Stabilization Fund	$ 88,800	$ 22,200	$ 17,660	$ 71,140	19.89 %
610 - Water Replacement	$ 408,620	$ 102,155	$ 30,506	$ 378,114	7.47 %
620 - Water Expansion	$ 3,755,110	$ 938,777	$ 678,434	$ 3,076,675	18.07 %
900 - Administrative Overhead	$ 8,439,440	$ 2,109,860	$ 1,495,842	$ 6,943,598	17.72 %
965 - Other Post Employment Benefits	$ 1,064,867	$ 266,217	$ 350,325	$ 714,542	32.90 %
995 - DV Standby Assessment	$ 1,933,750	$ 483,438	$ 0	$ 1,933,750	0.00 %
	$ 72,982,448	$ 18,245,612	$ 12,570,055	$ 60,412,394	17.22 %

Note: This report shows operating expenses prior to the Administrative Overhead fund's expenses being allocated to the other funds.

Dublin San Ramon Services District

Expense Summary By Department

September 2020

% of Year Completed = 25%

Expense Summary by Department	Budget	Budget To Date	Year To Date Actual	Dollars Remaining	Percentage Used
Executive	$2,934,079	$733,520	$622,088	$ 2,311,990	21.20%
Financial Services	$6,105,450	$1,526,362	$1,103,799	$ 5,001,650	18.08%
Engineering	$4,872,631	$1,218,158	$920,481	$ 3,952,150	18.89%
Operations	$21,118,933	$5,279,733	$4,580,080	$ 16,538,853	21.69%
Non-Departmental	$37,951,356	$9,487,839	$5,343,606	$ 32,607,750	14.08%
	$72,982,448	$18,245,612	$12,570,055	$ 60,412,394	17.22%

Dublin San Ramon Services District

Expense Summary by Category

September 2020
% of Year Completed = 25%

Expense Summary by Category	Budget	Budget to Date	Year to Date Actual	Budget Remaining	Percentage Used
Personnel	$27,707,261	$6,926,815	$5,914,957	$ 21,792,305	21.35%
Materials and Supplies	$21,530,670	$5,382,667	$2,974,337	$ 18,556,332	13.81%
Contract Services	$7,924,245	$1,981,061	$583,628	$ 7,340,617	7.37%
Other Expenses	$14,825,773	$3,706,443	$3,065,648	$ 11,760,125	20.68%
Capital Outlay	$994,500	$248,625	$31,486	$ 963,014	3.17%
	$72,982,448	$18,245,612	$12,570,055	$ 60,412,394	17.22%

Dublin San Ramon Services District
Capital Outlay by Division
September 30, 2020

Capital Outlay - Identified

Div	Asset Description	Budget	Year To Date Actual	Dollars Remaining	Percent Used
51	CCTV Truck Replacement	500,000	-	500,000	
51	Ford Escape	30,000	31,486	(1,486)	
51	Arrowboard Sign Trailer	17,500	-	17,500	
51	Leak Repair Vehicle	42,482	-	42,482	
51	**Total Field Operations**	**589,982**	**31,486**	**558,496**	**5.34%**
52	Utility/Service Carts (Qty 8) - DIV 52/53/54	33,835	-	33,835	
52	**Total Plant Operations**	**33,835**	**-**	**33,835**	**0.00%**
53	Spare RAS Pump For Secondary Clarifiers	16,000	-	16,000	
53	Vibration and Acoustic Monitoring Equipment	33,819	-	33,819	
53	Enviromental Compliant Blasting/Removal System	50,000	-	50,000	
53	Mechanical Bird Control	50,000	-	50,000	
53	Air Handler for Influent Pump Room	32,000	-	32,000	
53	Building "R" Retaining Wall	60,000	-	60,000	
53	D7 Tractor for Bio-Solids Harvesting	250,000	-	250,000	
53	Small Dump Truck	50,097	-	50,097	
53	District Office Server Room HVAC	30,000	-	30,000	
53	Influent Gate Control	120,000		120,000	
53	Modular Trailers for Waste Haulers and Enivor. Compliance	40,000		40,000	
53	**Total Mechancial Maintenance**	**731,916**	**-**	**731,916**	**0.00%**
54	Instrumentation, Controls, & Electrical	-	-	-	
54	**Total Electrical Maintenance**	**-**	**-**	**-**	
55	Laboratory Equipment Replacement	340,466	-	340,466	
55	**Total Laboratory Operations**	**340,466**	**-**	**340,466**	**0.00%**
	Budget Adjustment	-			
Grand Total		**$ 1,696,199**	**$ 31,486**	**$ 1,664,713**	**1.86%**

Unexpected Capital Outlay

$ -	$ -	$ -	

Total Unexpected Capital Outlay	**$ -**	**$ -**	**$ -**	
Total All Capital Outlay	**$ 1,696,199**	**$ 31,486**	**$ 1,664,713**	

Capital Project Expense Summary Report

Dublin San Ramon Services District

September 30, 2020

Fund #		Budget		Year-to-date Expenditures	Balance	Prct Used
210	Local Wastewater Replacement	$ 508,789		$ (17,384)	$ 526,173	-3.42%
220	Local Wastewater Expansion	$ 181,744		$ 15,204	$ 166,540	8.37%
310	Regional Wastewater Replacement	$ 7,387,991		$ 206,340	$ 7,181,651	2.79%
320	Regional Wastewater Expansion	$ 6,828,450		$ 2,157,022	$ 4,671,428	31.59%
610	Water Replacement	$ 7,783,418		$ 977,614	$ 6,805,804	12.56%
620	Water Expansion	$ 6,172,166	(1)	$ 152,557	$ 6,019,609	2.47%
	Grand Total	$ 28,862,558		$ 3,491,353	$ 25,371,205	12.10%

(1) 26% of the budget is for construction of DERWA Recycled Water Plant Ph2. When cost is billed to DERWA the revenue offsets CIP expense. DERWA bills DSRSD for their portion; and DSRSD portion is paid from the operating expense contribtuion to JPA. Budget in fund 620 CIP covers the operating expense contribtuion to JPA.

DUBLIN SAN RAMON SERVICES DISTRICT **Period 3 ~ SEPTEMBER 2020**

	200 Local Wastewater Enterprise	205 Local Rate Stabilization (RSF)	210 Local Wastewater Replacement	220 Local Wastewater Expansion	Total
BALANCE SHEETS					
CASH & INVESTMENTS	1,220,280	(4,041)	4,951,662	7,043,891	13,211,792
RECEIVABLES	1,258,469	0	0	0	1,258,469
OTHER	0	0	0	0	0
CURRENT ASSETS	**2,478,749**	**(4,041)**	**4,951,662**	**7,043,891**	**14,470,260**
FIXED ASSETS	39,602,435	0	1,705,414	873,053	42,180,902
LONG-TERM ASSETS	730,773	0	0	2,500,001	3,230,774
TOTAL ASSETS	**42,811,958**	**(4,041)**	**6,657,076**	**10,416,945**	**59,881,937**
ACCOUNTS PAYABLE	6,902	0	64,915	10,243	82,060
DEPOSITS	0	0	0	0	0
OTHER CURRENT LIABILITIES	96,662	0	24,154	15,791	136,607
CURRENT LIABILITIES	**103,564**	**0**	**89,069**	**26,034**	**218,667**
ACCRUED EXPENSES/OTHER	2,130,478	0	2,500,001	0	4,630,479
DEFERRED REVENUE	0	0	0	365,453	365,453
LONG-TERM LIABILITIES	**2,130,478**	**0**	**2,500,001**	**365,453**	**4,995,932**
RETAINED EARNINGS	40,577,916	(4,041)	4,068,006	10,025,458	54,667,338
TOTAL LIABILITIES & RETAINED EARNINGS	**42,811,958**	**(4,041)**	**6,657,076**	**10,416,945**	**59,881,937**
INCOME STATEMENT					
OPERATING REVENUE					
SERVICE CHARGES	1,266,457	0	0	0	1,266,457
OTHER OPERATING REVENUE	13,625	0	0	0	13,625
TOTAL OPERATING REVENUE	**1,280,081**	**0**	**0**	**0**	**1,280,081**
NON-OPERATING REVENUE					
CONNECTION FEES	0	0	87,183	2,659	89,842
INTEREST	(2,127)	(7)	407	7,075	5,347
OTHER NON-OPERATING REVENUE	33,000	0	0	0	33,000
TOTAL NON-OPERATING REVENUE	**30,873**	**(7)**	**87,590**	**9,735**	**128,190**
TRANSFERS IN	0	0	0	49,000	49,000
TOTAL RECEIPTS	**1,310,954**	**(7)**	**87,590**	**58,735**	**1,457,271**
DISBURSEMENTS					
OPERATING EXPENSES	652,188	556	0	0	652,744
CAPITAL PROJECTS	0	0	(17,384)	15,204	(2,180)
TRANSFER OUT	0	0	49,000	0	49,000
TOTAL DISBURSEMENTS	**652,188**	**556**	**31,616**	**15,204**	**699,564**
NET INCOME (LOSS)	**658,766**	**(564)**	**55,974**	**43,531**	**757,707**
EXPENSE BUDGET FOR FY 2021	**4,487,323**				
WORKING CAPITAL TARGET FOR FY 2021	**1,495,774**				
WORKING CAPITAL TARGET (in months)	**4.00**				
WORKING CAPITAL	**2,375,185**	**(4,041)**	**4,862,593**	**7,017,856**	**14,251,593**
WORKING CAPITAL ON HAND (in months) WC / (ExpBudget / 12)	**6.35**				
CURRENT EXCESS (DEFICIENCY) *Working Capital - Working Capital Target*	**879,411**				

DUBLIN SAN RAMON SERVICES DISTRICT **Period 3 ~ SEPTEMBER 2020**

	300 Regional Wastewater Enterprise	305 Regional Rate Stabilization (RSF)	310 Regional Wastewater Replacement	320 Regional Wastewater Expansion	Total
BALANCE SHEETS					
CASH & INVESTMENTS	4,489,847	9,272,527	33,640,290	45,864,990	93,267,654
RECEIVABLES	4,619,079	0	11,848	32,593	4,663,521
OTHER	1,795,920	0	0	2,377,619	4,173,538
CURRENT ASSETS	**10,904,846**	**9,272,527**	**33,652,138**	**48,275,202**	**102,104,713**
FIXED ASSETS	99,287,915	0	7,469,964	27,664,487	134,422,365
LONG-TERM ASSETS	4,892,081	0	39,872	109,349	5,041,302
TOTAL ASSETS	**115,084,842**	**9,272,527**	**41,161,974**	**76,049,037**	**241,568,380**
ACCOUNTS PAYABLE	419,068	0	134,086	191,619	744,773
DEPOSITS	968,531	0	0	37,484	1,006,015
OTHER CURRENT LIABILITIES	730,294	0	269,064	387,769	1,387,127
CURRENT LIABILITIES	**2,117,893**	**0**	**403,150**	**616,871**	**3,137,914**
BONDS PAYABLE	5,265,551	0	0	23,542,844	28,808,395
ACCRUED EXPENSES/OTHER	10,167,232	0	0	0	10,167,232
DEFERRED REVENUE	0	0	39,872	109,349	149,221
LONG-TERM LIABILITIES	**15,432,783**	**0**	**39,872**	**23,652,193**	**39,124,847**
RETAINED EARNINGS	97,534,166	9,272,527	40,718,952	51,779,973	199,305,618
TOTAL LIABILITIES & RETAINED EARNINGS	**115,084,842**	**9,272,527**	**41,161,974**	**76,049,037**	**241,568,380**
INCOME STATEMENT					
OPERATING REVENUE					
SERVICE CHARGES	2,698,685	0	0	0	2,698,685
OTHER OPERATING REVENUE	170,767	0	0	0	170,767
TOTAL OPERATING REVENUE	**2,869,452**	**0**	**0**	**0**	**2,869,452**
NON-OPERATING REVENUE					
CONNECTION FEES	0	0	189,663	523,761	713,424
INTEREST	(13,526)	4,075	19,182	8,155	17,886
OTHER NON-OPERATING REVENUE	0	0	0	0	0
TOTAL NON-OPERATING REVENUE	**(13,526)**	**4,075**	**208,845**	**531,916**	**731,310**
TRANSFERS IN	0	0	835,000	0	835,000
TOTAL RECEIPTS	**2,855,926**	**4,075**	**1,043,845**	**531,916**	**4,435,762**
DISBURSEMENTS					
OPERATING EXPENSES	4,557,364	556	980	1,078,414	5,637,314
CAPITAL PROJECTS	0	0	206,340	2,157,022	2,363,363
TRANSFER OUT	835,000	0	0	0	835,000
TOTAL DISBURSEMENTS	**5,392,364**	**556**	**207,320**	**3,235,436**	**8,835,677**
NET INCOME (LOSS)	**(2,536,438)**	**3,519**	**836,524**	**(2,703,520)**	**(4,399,915)**
EXPENSE BUDGET FOR FY 2021	**21,038,991**				
WORKING CAPITAL TARGET FOR FY 2021	**7,012,997**				
WORKING CAPITAL TARGET (in months)	**4.00**				
WORKING CAPITAL	**8,786,953**	**9,272,527**	**33,248,988**	**47,658,330**	**98,966,799**
WORKING CAPITAL ON HAND (in months) WC / (ExpBudget / 12)	**5.01**				
CURRENT EXCESS (DEFICIENCY) *Working Capital - Working Capital Target*	**1,773,956**				

DUBLIN SAN RAMON SERVICES DISTRICT **Period 3 ~ SEPTEMBER 2020**

	600 Water Enterprise	605 Water Rate Stabilization (RSF)	610 Water Replacement	620 Water Expansion	Total
BALANCE SHEETS					
CASH & INVESTMENTS	8,481,629	16,346,738	37,032,361	32,827,927	94,688,655
RECEIVABLES	2,001,769	274,363	0	14,480	2,290,612
OTHER	0	0	0	0	0
CURRENT ASSETS	**10,483,397**	**16,621,101**	**37,032,361**	**32,842,407**	**96,979,266**
FIXED ASSETS	117,815,331	0	9,829,106	21,641,762	149,286,199
LONG-TERM ASSETS	3,594,447	0	0	0	3,594,447
TOTAL ASSETS	**131,893,174**	**16,621,101**	**46,861,467**	**54,484,169**	**249,859,912**
ACCOUNTS PAYABLE	(108,057)	0	235,790	(689,753)	(562,020)
DEPOSITS	564,248	0	0	0	564,248
OTHER CURRENT LIABILITIES	1,406,584	0	101,794	648,193	2,156,571
CURRENT LIABILITIES	**1,862,774**	**0**	**337,584**	**(41,559)**	**2,158,799**
BONDS PAYABLE	0	0	0	32,273,711	32,273,711
ACCRUED EXPENSES/OTHER	5,752,115	0	0	0	5,752,115
DEFERRED REVENUE	0	0	0	1,156,447	1,156,447
LONG-TERM LIABILITIES	**5,752,115**	**0**	**0**	**33,430,158**	**39,182,273**
RETAINED EARNINGS	124,278,285	16,621,101	46,523,883	21,095,571	208,518,840
TOTAL LIABILITIES & RETAINED EARNINGS	**131,893,174**	**16,621,101**	**46,861,467**	**54,484,169**	**249,859,912**
INCOME STATEMENT					
OPERATING REVENUE					
SERVICE CHARGES	4,532,773	0	0	0	4,532,773
OTHER OPERATING REVENUE	106,685	20,373	323	0	127,381
TOTAL OPERATING REVENUE	**4,639,458**	**20,373**	**323**	**0**	**4,660,154**
NON-OPERATING REVENUE					
CONNECTION FEES	0	0	373,838	847,855	1,221,693
INTEREST	(1,908)	6,436	21,004	11,055	36,587
OTHER NON-OPERATING REVENUE	16,000	274,363	0	0	290,363
TOTAL NON-OPERATING REVENUE	**14,092**	**280,799**	**394,842**	**858,910**	**1,548,643**
TRANSFERS IN	0	0	1,198,672	0	1,198,672
TOTAL RECEIPTS	**4,653,550**	**301,172**	**1,593,837**	**858,910**	**7,407,469**
DISBURSEMENTS					
OPERATING EXPENSES	4,845,119	17,660	30,506	678,434	5,571,719
CAPITAL PROJECTS	0	0	977,614	152,557	1,130,171
TRANSFER OUT	1,198,672	0	0	0	1,198,672
TOTAL DISBURSEMENTS	**6,043,791**	**17,660**	**1,008,120**	**830,991**	**7,900,562**
NET INCOME (LOSS)	**(1,390,242)**	**283,512**	**585,717**	**27,919**	**(493,093)**
EXPENSE BUDGET FOR FY 2021	**33,628,145**				
WORKING CAPITAL TARGET FOR FY 2021	**11,209,382**				
WORKING CAPITAL TARGET (in months)	**4.00**				
WORKING CAPITAL	**8,620,623**	**16,621,101**	**36,694,778**	**32,883,966**	**94,820,468**
WORKING CAPITAL ON HAND (in months) WC / (ExpBudget / 12)	**3.08**				
CURRENT EXCESS (DEFICIENCY) *Working Capital - Working Capital Target*	**(2,588,759)**				

DUBLIN SAN RAMON SERVICES DISTRICT **Period 3 ~ SEPTEMBER 2020**

	900 Administrative Overhead	965 OPEB	995 DV Standby Assessment	Total
BALANCE SHEETS				
CASH & INVESTMENTS	(604,030)	(904,447)	784,167	(724,310)
RECEIVABLES	510,945	0	872,384	1,383,330
OTHER	662,638	0	0	662,638
CURRENT ASSETS	**569,553**	**(904,447)**	**1,656,552**	**1,321,658**
LONG-TERM ASSETS	0	6,991,298	0	6,991,298
TOTAL ASSETS	**569,553**	**6,086,851**	**1,656,552**	**8,312,956**
ACCOUNTS PAYABLE	72,542	89,201	0	161,743
OTHER CURRENT LIABILITIES	497,011	(644,575)	0	(147,564)
CURRENT LIABILITIES	**569,553**	**(555,374)**	**0**	**14,179**
ACCRUED EXPENSES/OTHER	0	6,046,944	0	6,046,944
LONG-TERM LIABILITIES	**0**	**6,046,944**	**0**	**6,046,944**
RETAINED EARNINGS	0	595,281	1,656,552	2,251,833
TOTAL LIABILITIES & RETAINED EARNINGS	**569,553**	**6,086,851**	**1,656,552**	**8,312,956**
INCOME STATEMENT				
OPERATING REVENUE				
OTHER OPERATING REVENUE	357,952	0	872,384	1,230,336
TOTAL OPERATING REVENUE	**357,952**	**0**	**872,384**	**1,230,336**
NON-OPERATING REVENUE				
INTEREST	0	0	651	651
OTHER NON-OPERATING REVENUE	0	0	0	0
TOTAL NON-OPERATING REVENUE	**0**	**0**	**651**	**651**
TRANSFERS IN	0	0	0	0
TOTAL RECEIPTS	**357,952**	**0**	**873,036**	**1,230,988**
DISBURSEMENTS				
OPERATING EXPENSES	357,952	350,325	0	708,277
CAPITAL PROJECTS	0	0	0	0
TRANSFER OUT	0	0	0	0
TOTAL DISBURSEMENTS	**357,952**	**350,325**	**0**	**708,277**
NET INCOME (LOSS)	**0**	**(350,325)**	**873,036**	**522,711**
EXPENSE BUDGET FOR FY 2021	**1,211,389**			
WORKING CAPITAL TARGET FOR FY 2021	**0**			
WORKING CAPITAL TARGET (in months)	**4.00**			
WORKING CAPITAL	**0**	**(349,073)**	**1,656,552**	**1,307,479**
WORKING CAPITAL ON HAND (in months) WC / (ExpBudget / 12)	**0.00**			
CURRENT EXCESS (DEFICIENCY) *Working Capital - Working Capital Target*	**(403,796)**			

September Budget Variance Report

Categories are flagged if Actual Expense % > Target Expense %

(Target Expense % = (Period/12)*100 + Tolerance %)

Accounting Period: 3
Accounting Year: 2021

Expected Expense: 25.00%
Tolerance Level: 4.00%

Target Expense: 29.00%

Division: 10. Legislative

	2021 Adjusted Budget	YTD Expenditure	MTD Expenditure	% of YTD to Budget	Flag
Employee Memberships & Certifications	0.00	0.00	0.00	- %	
Medical	25,104.00	6,084.00	2,028.00	24.24%	
Other Benefits	7,000.00	1,819.50	688.64	25.99%	
Retirement	3,500.00	478.83	101.73	13.68%	
Salaries	35,000.00	6,435.00	1,365.00	18.39%	
Salary / Benefit Credit	0.00	0.00	0.00	- %	
Training Costs	14,000.00	125.00	0.00	0.89%	
1. Personnel	**84,604.00**	**14,942.33**	**4,183.37**	**17.66%**	
Equipment Under $10,000	0.00	0.00	0.00	- %	
Office Supplies/Services	2,800.00	0.00	0.00	- %	
2. Materials and Supplies	**2,800.00**	**0.00**	**0.00**	**- %**	
Advertising	0.00	0.00	0.00	- %	
Other Services	262,000.00	0.00	0.00	- %	
Professional Services	27,000.00	0.00	0.00	- %	
Telecommunication Services	0.00	0.00	0.00	- %	
3. Contract Services	**289,000.00**	**0.00**	**0.00**	**- %**	
Meetings	2,500.00	0.00	0.00	- %	
Permits, Licenses & District Mbrshps	0.00	0.00	0.00	- %	
Subscriptions & Publications	540.00	0.00	0.00	- %	
4. Other	**3,040.00**	**0.00**	**0.00**	**- %**	
Capital Outlay - Identified	0.00	0.00	0.00	- %	
Capital Outlay - Unidentified	0.00	0.00	0.00	- %	
5. Capital Outlay	**0.00**	**0.00**	**0.00**	**- %**	
10. Legislative Total	**379,444.00**	**14,942.33**	**4,183.37**	**3.94%**	

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Authorize the General Manager to Execute a Covenant and Environmental Restriction on the Deed for 7035 Commerce Circle, Pleasanton, CA

RECOMMENDATION:

Staff recommends the Board of Directors, authorize, by Motion, the General Manager to execute a Covenant and Environmental Restriction on the deed for the Field Operations Facility parcel at 7035 Commerce Circle, Pleasanton, CA.

DISCUSSION:

In October 2015, the District purchased the property at 7035 Commerce Circle in Pleasanton for a Field Operations Facility. When the District purchased the property, the seller was willingly working with the State Water Resources Control Board (Water Board) to investigate and remediate contamination on the property. The soil, soil vapor, and groundwater were contaminated with organic chemicals including trichloroethene (TCE), tetrachloroethene (PCE), and Freon-113.

Prior to the District purchasing the site, the seller excavated the site soil sources and installed soil vapor extraction (SVE) and air sparge (AS) remedial systems. The seller has been operating the remedial systems, monitoring the soil vapor and groundwater on the property, and reporting results to the Water Board. Following the remedial measures, monitoring data indicate that levels of TCE, PCE, and Freon-113 in soil and soil vapor are below Tier 1 environmental screening levels (ESLs). Only groundwater levels continue to exceed maximum contaminant levels (MCLs).

The Water Board has determined that the property poses a low threat to human health and the environment. To close the case with the Water Board, the District must record a deed restriction that limits groundwater use until groundwater concentrations meet MCLs. See Attachment 1 for the Water Board Fact Sheet for the proposed case closure.

In the Purchase Agreement (Section 6.1 and 6.6) and the Environmental Work Agreement, Exhibit J to the Purchase Agreement [Section 3.01 (b) (ii)] for the property, the District agreed to future deed restrictions as required for the seller to obtain a No Further Action letter from the Water Board related to the environmental remediation and monitoring. The deed restriction, Attachment 2, limits the installation of groundwater wells, which is consistent with restrictions agreed to in the Purchase Agreement.

Originating Department: Engineering Services	**Contact: J. Zavadil**	**Legal Review: Yes**
Financial Review: Not Required	**Cost and Funding Source: $0**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – Water Board Fact Sheet for Proposed Case Closure** **Attachment 2 – Covenant and Environmental Restriction on Property**	

California Water Boards
Gavin Newsom, Governor
Jared Blumenfeld, Secretary for Environmental Protection
San Francisco Bay Regional Water Quality Control Board

Fact Sheet

Proposed Case Closure for

Former Clorox Technical Campus (CTC)
Building 9 Site
7035 Commerce Circle, Pleasanton

December 2020

The Regional Water Board announces the proposed case closure for the former CTC Building 9 Site (see Figure). The Regional Water Board is a State agency responsible for overseeing environmental investigations and cleanups.

Background

The approximately 2-acre Site contains one building used as a field operations facility by Dublin San Ramon Services District (DSRSD) in an industrial/commercial area. The Site is bordered to the north and east by light industrial and commercial buildings/operations across Commerce Circle, to the south by a wastewater storage and pumping facility operated by DSRSD, and to the west by an unimproved lot. In 1971 the current building was built and occupied by Nuclepore to manufacture membrane filters. Between 1997 and 2013, Clorox acquired and operated the Site for engineering, maintenance, machining, offices, and graphics. Volatile organic compound (VOC) contamination was identified at the Site, most notably in the southern portion where spills appear to have occurred at the fence line. Drinking water has not been affected. The City of Pleasanton supplies drinking water to the area.

Site Cleanup

In 2015, approximately 1000 cubic yards of VOC contaminated soil at apparent source areas were removed from the Site and the areas were capped with clean soil. In 2015, a soil vapor extraction and air sparging system was installed and operated for over 2.5 years to remove VOC contaminants from the soil vapor and groundwater. Sampling data show that soil vapor and soil VOC contaminant levels are less than risk-based screening levels for residential use. Groundwater sampling data show that concentrations of VOC contaminants are greater than maximum contaminant levels (MCLs), but are declining.

Proposed Case Closure

Under its current land use, the Site meets the criteria for low-threat closure. The Site owner will record a deed restriction that limits groundwater use until groundwater VOC concentrations meet MCLs. The Site poses a low threat to human health and the environment.

Public Comments

We invite the public to comment on the proposed case closure. Comments must be received by **January 8, 2021**. Comments can be sent to the Regional Water Board Case Manager, Yemia Hashimoto, at yemia.hashimoto@waterboards.ca.gov

Location of Reports

Technical reports may be found on the State Water Board's GeoTracker website at https://geotracker.waterboards.ca.gov/search.asp (search for case number 01S0015 for this case, then click on the "Site Maps/Documents" link).

Figure



Recording Requested By:

Dublin San Ramon Services District

When Recorded, Mail To:
Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
[GeoTracker # T0600191468]

COVENANT AND ENVIRONMENTAL RESTRICTION
ON PROPERTY

7035 Commerce Circle, Pleasanton, Alameda County, California

This Covenant and Environmental Restriction on Property (this "Covenant") is made as of the ____ day of _____, 2020 by Dublin San Ramon Services District ("Covenantor") who is the Owner of record of that certain property depicted as Alameda County Assessor's Parcel Number 941-1311-16-1 on the pertinent Assessor's Map and and situated at 7035 Commerce Circle, in the City of Pleasanton, County of Alameda, State of California, which property is more particularly described in Exhibit A attached hereto and incorporated herein by this reference (such portion hereinafter referred to as the "Burdened Property"), for the benefit of the California Regional Water Quality Control Board for the San Francisco Bay Region (the "Water Board"), with reference to the following facts:

A. Soil, soil vapor, and groundwater at or underlying the Burdened Property contains hazardous materials.

B. Contamination of the Burdened Property. Soil at the Burdened Property was contaminated by releases at the fence line and within the existing building which was formerly operated by Clorox for engineering, maintenance, machining, offices, and graphics in Building 9 of the Clorox Technical Campus (CTC) and by Nucleopore for manufacturing membrane filters. These former operations resulted in contamination of soil, soil vapor, and groundwater with organic chemicals including trichloroethene (TCE), tetrachloroethene (PCE), and Freon-113, which constitute hazardous materials as that term is defined in Health & Safety Code Section 25260. Since investigation of these releases, soil sources were excavated and soil vapor extraction (SVE) and air sparge (AS) remedial systems were operated for over 2.5 years. Following these remedial measures, monitoring data indicate that levels of TCE, PCE, and Freon-113 in soil and soil vapor remain below Tier 1 environmental screening levels (ESLs). Only groundwater levels continue to exceed applicable screening values (i.e., maximum contaminant levels [MCLs]).

C. Exposure Pathways. The contaminants addressed in this Covenant are present in soil, soil vapor, and groundwater on the Burdened Property. Without the mitigation measures which have been performed on the Burdened Property, and the restrictions imposed in this Covenant, exposure to these contaminants could take place via ingestion by humans or dermal contact. The risk of public exposure to the contaminants has been substantially lessened by the remediation and controls described herein.

D. Adjacent Land Uses and Population Potentially Affected. The Burdened Property is used for commercial purposes and is adjacent to commercial/industrial land uses.

E. Full and voluntary disclosure to the Water Board of the presence of hazardous materials on the Burdened Property has been made and extensive sampling of the Burdened Property has been conducted.

F. Covenantor desires and intends that in order to benefit the Water Board, and to protect the present and future public health and safety, the Burdened Property shall be used in such a manner as to avoid potential harm to persons or property that may result from the previously described hazardous materials that remain on the Burdened Property.

ARTICLE I
GENERAL PROVISIONS

1.1 Provisions to Run with the Land. This Covenant sets forth protective provisions, covenants, conditions and restrictions (collectively referred to as "Restrictions") upon and subject to which the Burdened Property and every portion thereof shall be improved, held, used, occupied, leased, sold, hypothecated, encumbered, and/or conveyed. The restrictions set forth in Article III are reasonably necessary to protect present and future human health and safety or the environment as a result of the presence of hazardous materials within the shallow groundwater zone underlying the land. Each and all of the Restrictions shall run with the land, and pass with each and every portion of the Burdened Property, and shall apply to, inure to the benefit of, and bind the respective successors in interest thereof, for the benefit of the Water Board and all Owners and Occupants. Each and all of the Restrictions are imposed upon the entire Burdened Property unless expressly stated as applicable to a specific portion of the Burdened Property. Each and all of the Restrictions run with the land pursuant to section 1471 of the Civil Code. Each and all of the Restrictions are enforceable by the Water Board.

1.2 Concurrence of Owners, Occupants, and Lessees Presumed. All Owners, Occupants, purchasers, lessees, or possessors of any portion of the Burdened Property shall be deemed by their purchase, lease, or possession of such Burdened Property, to be in accord with the foregoing and to agree for and among themselves, their heirs, successors, and assignees, and the agents,

employees, and lessees of such Owners, Occupants, heirs, successors, and assignees, that the Restrictions as herein established must be adhered to for the benefit of the Water Board and the Owners and Occupants of the Burdened Property and that the interest of the Owners and Occupants of the Burdened Property shall be subject to the Restrictions contained herein.

1.3 Incorporation into Deeds and Leases. Covenantor desires and covenants that the Restrictions set out herein shall be incorporated in and attached to each and all deeds and leases of any portion of the Burdened Property. Recordation of this Covenant shall be deemed binding on all successors, assigns, and lessees, regardless of whether a copy of this Covenant and Agreement has been attached to or incorporated into any given deed or lease.

1.4 Purpose. It is the purpose of this instrument to convey to the Water Board real property rights, which will run with the land, to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to hazardous materials.

ARTICLE II
DEFINITIONS

2.1 Water Board. “Water Board” shall mean the California Regional Water Quality Control Board for the San Francisco Bay Region and shall include its successor agencies, if any.

2.2 Improvements. "Improvements" shall mean all buildings, roads, driveways, re-gradings, and paved parking areas, constructed or placed upon any portion of the Burdened Property.

2.3 Occupant or Occupants. “Occupant” or “Occupants” shall mean Owners and those persons entitled by ownership, leasehold, or other legal relationship to the exclusive right to use and/or occupy all or any portion of the Burdened Property.

2.4 Owner or Owners. “Owner” or “Owners” shall mean the Covenantor and/or its successors in interest, who hold title to all or any portion of the Burdened Property.

ARTICLE III
DEVELOPMENT, USE AND CONVEYANCE OF THE BURDENED PROPERTY

3.1 Restrictions on Development and Use. Covenantor promises to restrict the use of the Burdened Property as follows:

a. No Owners or Occupants of the Property or any portion thereof shall drill, bore, otherwise construct, or use a well for the purpose of extracting water for any use, including domestic, potable, or industrial uses, unless expressly permitted in writing by the Water Board.

b. The Covenantor agrees that the Water Board, and/or any persons acting pursuant to Water Board orders, shall have reasonable access to the Burdened Property for the purposes of inspection, surveillance, maintenance, or monitoring, as provided for in Division 7 of the Water Code.

c. No Owner or Occupant of the Burdened Property shall act in any manner that will exacerbate existing contamination, add additional contamination, or increase the risk of exposure to hazardous materials at the Burdened Property.

3.2 Enforcement. Failure of an Owner or Occupant to comply with any of the restrictions, as set forth in paragraph 3.1, shall be grounds for the Water Board, by reason of this Covenant, to have the authority to require that the Owner or Occupant modify or remove any Improvements constructed in violation of that paragraph, or to require other corrective action. Violation of the Covenant shall be grounds for the Water Board to file civil actions against the Owner and/or Occupant as provided by law.

3.3 Notice in Agreements. After the date of recordation hereof, all Owners and Occupants shall execute a written instrument which shall accompany all purchase agreements or leases relating to the Burdened Property. Any such instrument shall contain the following statement:

> The land described herein contains hazardous materials in ground water under the property, and is subject to a deed restriction dated as of (add date from page 1), 2020, and recorded on (add date of recordation), 2020, in the Official Records of Alameda County, California, as Document No. (add document filing number), which Covenant and Restriction imposes certain covenants, conditions, and restrictions on usage of the property described herein. This statement is not a declaration that a hazard exists.

ARTICLE IV
VARIANCE AND TERMINATION

4.1 Variance. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or any portion thereof may apply to the Water Board for a written variance from the provisions of this Covenant. The Water Board's Executive Officer will approve or deny any request for Variance.

4.2 Termination. Any Owner or, with the Owner's consent, any Occupant of the Burdened Property or a portion thereof may apply to the Water Board for a termination of the Restrictions as they apply to all or any portion of the Burdened Property. The Water Board's Executive Officer will approve or deny any request for Termination.

4.3 Term. Unless terminated in accordance with paragraph 4.2 above, or otherwise by law, this Covenant shall continue in effect in perpetuity.

ARTICLE V
MISCELLANEOUS

5.1 No Dedication Intended. Nothing set forth herein shall be construed to be a gift or dedication, or offer of a gift or dedication, of the Burdened Property or any portion thereof to the general public.

5.2 Notices. Whenever any person gives or serves any notice, demand, or other communication with respect to this Covenant, each such notice, demand, or other communication shall be in writing and shall be deemed effective (1) when delivered, if personally delivered to the person being served or official of a government agency being served, or (2) three (3) business days after deposit in the mail if mailed by United States mail, postage paid certified, return receipt requested:

If To: "Covenantor"
Dublin San Ramon Services District
7051 Dublin Blvd
Dublin, California 94568

If To: " Water Board"
Executive Officer
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612
[GeoTracker # T0600191468]

5.3 Partial Invalidity. If any portion of the Restrictions or terms set forth herein is determined to be invalid for any reason, the remaining portion shall remain in full force and effect as if such portion had not been included herein.

5.4 Article Headings. Headings at the beginning of each numbered article of this Covenant are solely for the convenience of the parties and are not a part of the Covenant.

5.5 Recordation. This instrument shall be executed by the Covenantor and by the Executive Officer of the Water Board. This instrument shall be submitted by the Covenantor for recordation in the County of Alameda within ten (10) days of the date of execution.

5.6 References. All references to Code sections include successor provisions.

5.7 Construction. Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Covenant to effect the

purpose of this instrument and the policy and purpose of the Water Code. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

IN WITNESS WHEREOF, the parties execute this Covenant as of the date set forth above.

Covenantor: _____

By: _____

Title: _____

Date: _____

Agency: State of California, San Francisco Bay Regional Water Quality Control Board

By:_____

Title: Executive Officer

Date:_____

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____

On _____ *(insert date)*, before me, _____*(insert name and title of the officer)*, personally appeared _____ [Covenantor], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ **(Seal)**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____

On _____ *(insert date)*, before me, _____*(insert name and title of the officer)*, personally appeared _____ [Executive Officer], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ **(Seal)**

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

Real property in the City of Pleasanton, County of Alameda, State of California, described as follows:

New Lot 2, per Lot Line Adjustment No. P14-1148, approved by the City of Pleasanton on February 10, 2015 and reflected in that certain Grant Deed recorded on July 27, 2015 as Instrument No. 2015205596 in the Official Records of Alameda County, California.

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Approve Master Agreement for Consulting Services with Wood Rodgers, Inc. and Authorize Execution of Task Order No. 1 for Reservoir 20B Project (CIP 14-W008)

RECOMMENDATION:
Staff recommends the Board of Directors approve, by two separate actions, the following:

1. Approve, by Resolution, a Master Agreement for Consulting Services with Wood Rodgers, Inc.
2. Authorize, by Motion, the General Manager to execute Task Order No. 1 to the Master Agreement for Consulting Services with Wood Rodgers, Inc. in an amount not to exceed $746,000 for the Reservoir 20B Project (CIP 14-W008).

DISCUSSION:
The Reservoir 20B Project (Project) includes the planning, design and construction of a new reservoir to provide eastern Dublin with additional potable water storage capacity to meet projected water demands at buildout. The Project is included in the District's current Capital Improvement Program Two-Year Budget for Fiscal Years 2020 and 2021 and Ten-Year Plan for Fiscal Years 2020 through 2029, and in the 2016 Water Master Plan (Master Plan).

Potential locations for Reservoir 20B include an area adjacent to existing Reservoir 20A and a site just east of the Jordan Ranch development, in the area referred to as the Croak property. The final location for the reservoir will be determined as part of the design process. The Croak property is in the preliminary phases of design, so starting design now will allow the District to work with the developer if the chosen location is within the development. Depending on location of the reservoir, up to 8,700 linear feet of 12-inch pipeline will be needed to integrate the reservoir into the water system, and property acquisition may be required.

Given that the planning and design of Reservoir 20B is anticipated to take two years, staff determined that it is critical to begin the process now to assure the infrastructure is in place when it will be needed. On September 8, 2020, staff solicited proposals from 15 consulting firms to provide engineering design services for the Project. On October 29, 2020, proposals were received from three firms: Wood Rodgers, Inc., Kennedy Jenks Consultants, Inc., and West Yost Associates. Proposals were evaluated based upon established criteria including project understanding, project approach and proposed scope of work, company and personnel qualifications, project schedule, and level of effort.

Staff determined that Wood Rodgers, Inc. had the best combination of qualifications, staff, and proposed approach that best meets the District needs. Wood Rodgers, Inc.'s proposed scope of work includes preliminary planning and engineering, including permitting acquisition and interagency coordination, alternatives analysis, and environmental documentation; design engineering, including the preparation of design drawings, technical specifications, and cost estimates; and engineering services in support of the project bidding phase.

The project cost is estimated to be $7.7 million and is 100 percent funded by Water Expansion (Fund 620).

Originating Department: Engineering Services	**Contact: S. Mann**	**Legal Review: Not Required**
Financial Review: Not Required	**Cost and Funding Source: $745,809 from Water Expansion (Fund 620)**	
Attachments: ☐ None ☒ Resolution ☐ Ordinance ☒ Task Order ☐ Proclamation ☐ Other (see list on right)		

RESOLUTION NO. _____

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT APPROVING MASTER AGREEMENT FOR CONSULTING SERVICES WITH WOOD RODGERS, INC. FOR ENGINEERING DESIGN SERVICES OF THE RESERVOIR 20B PROJECT (CIP 14-W008)

WHEREAS, the District desires to obtain professional consulting services for engineering design of the Reservoir 20B Project (CIP 14-W008) (Project) and solicited a Request for Proposals in accordance with the District Code and purchasing procedures; and

WHEREAS, on September 8, 2020, the District sent out 15 requests for proposal to consulting firms to provide engineering design services; and

WHEREAS, on October 29, 2020, the District received proposals from Wood Rodgers, Inc., West Yost Associates, and Kennedy Jenks Consultants, Inc.; and

WHEREAS, District staff has evaluated the three professional consulting services proposals, and recommends the selection of Wood Rodgers, Inc. to provide engineering design services related to the Project; and

WHEREAS, Wood Rodgers, Inc. was selected based on the company's qualifications, depth and breadth of design team members on similar projects, and proposed design approach.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California, as follows:

That certain "Master Agreement for Consulting Services" (Exhibit "A") by and between the Dublin San Ramon Services District and Wood Rodgers, Inc., is hereby approved, and the General Manager and District Secretary are hereby authorized and directed to execute, and to attest thereto, respectively, said agreement for and on behalf of Dublin San Ramon Services District.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 15th day of December, 2020, and passed by the following vote:

AYES:

NOES:

ABSENT:

_____
Ann Marie Johnson, President

ATTEST: _____
Nicole Genzale, District Secretary

MASTER AGREEMENT for CONSULTING SERVICES
WITH
Wood Rodgers, Inc.

THIS AGREEMENT, made and entered into this _____ day of _____, 20__ by and between DUBLIN SAN RAMON SERVICES DISTRICT, a public agency in the counties of Alameda and Contra Costa, California ("District") and Wood Rodgers, Inc. ("Consultant"), 3301 C Street, Bldg 100-B, Sacramento, CA 95816, (916) 341-7760;

WHEREAS, District requires professional Engineering consulting services; and

WHEREAS, Consultant's principals are duly licensed Professional Engineers in the State of California and Consultant represents that it is experienced in performing, and uniquely qualified to perform, the professional Engineering consulting services; and

WHEREAS, District desires to engage Consultant for such services; and

NOW, THEREFORE, the parties hereto agree as follows:

1. SERVICES. Consultant shall perform assignments in accordance with the terms and conditions of this Agreement and written Task Orders issued from time to time by District to Consultant and accepted by Consultant. Each such Task Order shall include, but not be limited to: (i) a description of the services to be performed by Consultant, and the key personnel to be assigned by Consultant to the performance of the specific Task (who shall not be replaced without the prior written approval of the District, which shall not be unreasonably withheld); (ii) the time of performance for providing such services; (iii) maximum compensation payable for providing such services, provided that such compensation shall be payable pursuant to Paragraph 2 hereof unless otherwise expressly provided in the Task Order; (iv) District's source of funding; and (v) such other provisions as the parties deem appropriate or necessary to accomplish the purpose of the Task Order. To the extent not expressly modified by Task Order, all other terms and conditions of this Agreement shall be deemed incorporated in each Task Order.

2. COMPENSATION. District shall compensate Consultant for all services performed by Consultant pursuant to Paragraph 1 in an amount equal to Consultant's hourly rates of charge for Consultant's personnel times the number of hours, or portions thereof, of services correspondingly performed by said personnel. Said rates of charge are set forth in Exhibit "A" hereof, attached hereto, and by reference incorporated herein. Said rates may be adjusted, from time to time, upon written approval of the District.

District shall reimburse Consultant for other expenses directly incurred in performing services hereunder, if any, described in Exhibit "A."

Compensation and reimbursement of expenses shall be payable by District within thirty (30) days upon receipt of billing by Consultant. Billing by Consultant to District shall not be more often than monthly for services corresponding to each Task Order. The billing shall include

an itemized statement briefly describing the services rendered and costs incurred and the authorized amount remaining.

3. RECORDS. Consultant shall keep and maintain accurate records of all time expended and costs and expenses incurred relating to services to be performed by Consultant hereunder. Said records shall be available to District for review and copying during regular business hours at Consultant's place of business, or as otherwise agreed upon by the parties.

4. NON-ASSIGNABILITY. Consultant shall not subcontract, assign, sell, mortgage, hypothecate or otherwise transfer its interest or obligations in this agreement or any Task Order issued hereunder in any manner, without the express prior written consent of District, which consent shall not be unreasonably withheld. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this paragraph shall prevent Consultant, upon District's written consent, from employing such independent consultants, associates, and subcontractors as may be necessary to assist in the performance of the services hereunder. Nothing herein shall be construed to give any rights or benefits to anyone other than District and Consultant.

5. STATUS. In the performance of services hereunder, Consultant shall be, and is, an independent contractor, and shall not be deemed to be an employee or agent of District. All services provided pursuant to this Agreement shall be authorized by Task Order issued by the District's General Manager or his or her designated representative and signed by the Consultant.

6. PERIOD OF SERVICE. Unless extended by Task Order, this Master Agreement shall expire on December 31, 2023.

7. PERFORMANCE STANDARDS. In performing services hereunder, Consultant shall adhere to the standards generally prevailing for the performance of expert technical and consulting services similar to those to be performed by Consultant hereunder, shall exercise the same degree of care, skill, and diligence in the performance of the Services as is ordinarily provided by a professional under similar circumstances, and shall, at no cost to District, re-perform services which fail to satisfy the foregoing standard of care. All drawings and specifications requiring certification by a Professional Engineer shall bear the stamp and signature of a registered engineer in the State of California.

Any costs incurred by the District (including but not limited to additional design costs, construction costs, and construction management costs, to the extent that any such costs are recoverable under California law) and used to correct deficiencies caused by Consultant's negligent errors and omissions or willful misconduct shall be borne solely by the Consultant. The District is relying upon the Consultant's qualifications concerning the services furnished hereunder and, therefore, the fact that the District has accepted or approved the Consultant's work shall in no way relieve the Consultant of these responsibilities.

8. TERMINATION. Either party may terminate this Agreement without cause by

giving the other party written notice thereof not less than sixty (60) days in advance of the effective date of termination, which date shall be included in said notice.

In the event of such termination, District shall compensate Consultant for services rendered to the date of termination, as the case may be, calculated in accordance with the provisions of Paragraph 2. In ascertaining services actually rendered to the date of termination, consideration shall be given both to work completed and work in process of completion. Nothing herein contained shall be deemed a limitation upon the exercise of the right of District to terminate this Agreement for cause, or otherwise to exercise such legal or equitable rights, and to seek such remedies as may accrue to District, or to authorize Consultant to terminate this Agreement for cause.

9. TITLE TO, POSSESSION OF, AND RELIANCE UPON DOCUMENTS. All documents, work products, plans, specifications, negatives, drawings, computer disks, electronic tapes, renderings, data reports, files, estimates and other such papers, information and materials (collectively, "materials"), or copies thereof (except proprietary computer software purchased or developed by Consultant) obtained or prepared by Consultant pursuant to the terms of this Agreement, shall become the property of District. District and Consultant shall, from time to time pursuant to Task Orders, specify which materials Consultant shall deliver to District ("Deliverables"). Deliverables are intended to, and may, be relied upon by District, or others designated by District, where appropriate, for those purposes for which District requested their preparation, or for use in connection with planning-level activities including, without limitation, the preparation of environmental documentation pursuant to the California Environmental Quality Act ("CEQA") or the National Environmental Policy Act ("NEPA") or similar statutes. Consultant will not be responsible for use of Deliverables, or portions thereof, for any purpose other than those specified in the preceding sentence.

Materials not delivered to District ("Non-Deliverables") shall be retained by Consultant, but Consultant shall provide District access to such Non-Deliverables at all reasonable times upon District's request. District may make and retain copies of all Non-Deliverables, at District's expense, for information and reference. Unless otherwise specified in writing by Consultant, use thereof for any purpose other than the purpose for which the Non-Deliverables were prepared, or for use in connection with planning-level activities including, without limitation, the preparation of environmental documentation pursuant to CEQA or NEPA or similar statutes, shall be at the user's sole risk.

10. COMPLIANCE WITH LAWS. In performance of this Agreement, Consultant shall exercise due professional care in compliance with all applicable federal, state and local laws, rules, regulations, orders, codes, criteria and standards. Consultant shall procure all permits, certificates, and licenses necessary to allow Consultant to perform the Services specified herein. Consultant shall not be responsible for procuring permits, certificates, and licenses required for any construction unless such responsibilities are specifically assigned to Consultant under a Task Order.

Consultant shall comply at all times with California Occupational Safety and Health Act ("OSHA") regulations regarding necessary safety equipment or procedures and shall take all necessary precautions for safe operation of its work, and the protection of its personnel and the public from injury and damage from such work.

11. NON-DISCLOSURE OF PROPRIETARY INFORMATION. Consultant shall consider and treat all drawings, reports, studies, design calculations, specifications, and other documents and information provided to Consultant by District in furtherance of this Agreement to be the District's proprietary information, unless said information is available from public sources other than District. Consultant shall not publish or disclose District's proprietary information for any purpose other than in the performance of services hereunder without the prior written authorization of District or in response to legal process. Nothing herein contained shall be deemed to abrogate compliance with the California Public Records Act (Government Code Section 6250, et seq.); provided that District shall determine and advise Consultant which documents, if any, are required to be disclosed under said Act.

12. INSURANCE. Consultant shall procure and maintain for the duration of this Agreement, and any Task Orders issued hereunder, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

Minimum Scope and Limit of Insurance. Coverage shall be at least as broad as:

A. Commercial General Liability (CGL): Insurance Services Office Form CG 00 01 covering CGL on an "occurrence" basis, including products and completed operations, property damage, bodily injury and personal & advertising injury with limits no less than $1,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

B. Automobile Liability: Insurance Services Office Form Number CA 0001 covering, Code 1 (any auto), or if Consultant has no owned autos, Code 8 (hired) and 9 (non-owned), with limit no less than $1,000,000 per accident for bodily injury and property damage.

C. Workers' Compensation insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than $1,000,000 per accident for bodily injury or disease. *(Not required if consultant provides written verification it has no employees.)*

D. Professional Liability (Errors and Omissions) Insurance appropriates to the Consultant's profession, with limit no less than $2,000,000 per occurrence or claim, $2,000,000 aggregate.

If the Consultant maintains broader coverage and/or higher limits than the minimums shown above, the District requires and shall be entitled to broader coverage and/or the higher limits maintained by the Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the District.

Other Insurance Provisions. The insurance policies are to contain, or be endorsed to contain, the following provisions:

A. Additional Insured Status: The District, its officers, officials, employees, and volunteers are to be covered as additional insureds on the CGL policy with respect to liability

arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Consultant's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 forms if later revisions used).

B. Primary Coverage: For any claims related to this contract, the Consultant's insurance coverage shall be primary insurance primary coverage at least as broad as ISO CG 20 01 04 13 as respects the District, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the District, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

C. Notice of Cancellation: Each insurance policy required above shall state that coverage shall not be canceled, except with notice to the District.

D. Waiver of Subrogation: Consultant hereby grants to District a waiver of any right to subrogation which any insurer of said Consultant may acquire against the District by virtue of the payment of any loss under such insurance. Consultant agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the District has received a waiver of subrogation endorsement from the insurer.

E. Self-Insured Retentions: Self-insured retentions must be declared to and approved by the District. The District may require the Consultant to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or District.

F. Acceptability of Insurers: Insurance is to be placed with insurers authorized to conduct business in the state with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the District.

G. Claims Made Policies: If any of the required policies provide coverage on a claims-made basis:

i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.

ii. Insurance must be maintained and evidence of insurance must be provided *for at least five (5) years after completion of the contract of work.*

iii. If coverage is canceled or non-renewed, and not *replaced with another claims-made policy form with a Retroactive Dat*e prior to the contract effective date, the Consultant must purchase "extended reporting" coverage for a minimum of *five (5)* years after completion of contract work.

H. Verification of Coverage: Consultant shall furnish the District with original Certificates of Insurance including all required and amendatory endorsements (or copies of the applicable policy language effecting coverage required by this clause) and a copy of the Declarations and Endorsement Page of the CGL policy listing all policy endorsements to District before work begins. However, failure to obtain the required documents prior to the

work beginning shall not waive the Consultant's obligation to provide them. The District reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

I. Subcontractors: Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Consultant shall ensure that District is an additional insured on insurance required from subcontractors.

J. Special Risks or Circumstances: District reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

13. INDEMNIFICATION. Consultant shall hold harmless, indemnify and defend District, its governing Board of Directors, other boards, commissions, committees, officers, officials, employees, volunteers, and agents (collectively, "Indemnities") from and against all claims for liability, losses, damages, expenses, costs (including, without limitation, costs and fees of litigation) of every nature, kind and description, which may be brought against or suffered or sustained by Indemnities, to the extent caused in whole or in part by the negligence, intentional tortuous acts or omissions, or willful misconduct of Consultant, its officers, employees or agents, in the performance of any services or work pursuant to this Agreement or any Task Order issued hereunder. Consultant's duty to indemnify and save harmless shall include the duty to defend as set forth in California Civil Code Section 2778; provided, that nothing herein contained shall be construed to require Consultant to indemnify Indemnities against any responsibility or liability in contravention of California Civil Code Section 2782.

A. In the event Consultant provides a defense pursuant to this Paragraph and such action or other claim is resolved by a final judicial determination, which includes a finding that there was no negligence on the part of Consultant, its officers, employees or agents, District shall refund to Consultant all defense costs, judgments and/or amounts paid by Consultant on behalf of Indemnities.

B. In the event Consultant provides a defense pursuant to this Paragraph and such action or other claim is resolved by a final judicial determination which includes a finding as to the respective negligence of Consultant, its officers, employees or agents and any Indemnities(s), then District shall be responsible to pay that portion of the judgment attributed to Indemnities(s), and shall refund to Consultant a pro rata share of any defense costs expended on behalf of Indemnities.

C. In the event Consultant provides a defense pursuant to this Paragraph and such action or other claim is finally resolved by any other means than those stated in Paragraphs 13(a) and 13(b), or in the event Consultant fails to provide a defense to Indemnities, Consultant and District shall meet and confer in an attempt to reach a mutual agreement regarding the apportionment of costs (including attorneys' fees), judgments and/or amounts paid by Consultant and/or Indemnities. In the event Consultant and District are unable to reach agreement regarding such an apportionment, said dispute shall be submitted to arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association in effect on the date a demand for arbitration is submitted. The arbitration panel shall award the prevailing party its costs (including

attorneys' fees) incurred in the arbitration.

14. COVENANT AGAINST CONTINGENCY FEES. Consultant hereby warrants that Consultant has not employed or retained any company or person, other than a *bona fide* employee working for Consultant, to solicit or secure this Agreement, and Consultant has not paid or agreed to pay any company or person, other than a *bona fide* employee, any fee, commission, percentage, brokerage fees, gifts or any other consideration, contingent upon or resulting from the award or formation of this Agreement. For breach or violation of this warranty, District shall have the right to annul this Agreement without liability or at District's discretion, to deduct from the Agreement price or consideration or otherwise recover the full amount of such fee, commission, percentage, brokerage fees, gifts or contingent fee.

15. ECONOMIC DISCLOSURE. Upon District's determination that the services provided through this Agreement involve making, or participation in making, decisions which may foreseeably have a material effect on a financial interest, Consultant and/or any of its employees identified by District shall prepare and file an Economic Disclosure Statement(s) consistent with District's local conflict of interest code and the Political Reform Act.

16. PARAGRAPH HEADINGS. Paragraph headings as used herein are for convenience only and shall not be deemed to be a part of any such paragraph and shall not be construed to change the meaning thereof.

17. WAIVER. A waiver by either District or Consultant of any breach of this Agreement shall not be binding upon the waiving party unless such waiver is in writing. In the event of a written waiver, such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

18. SURVIVABILITY. The invalidity, illegality, or unenforceability of any provision of this Agreement, or the occurrence of any event rendering any portion or provision of this Agreement void, shall in no way affect the validity or enforceability of any other portion or provision of this Agreement. Any void provision shall be deemed severed from this Agreement and the balance of this Agreement shall be construed and enforced as if this Agreement did not contain the particular portion or provision held to be void.

19. INTEGRATION AND MODIFICATION. This Agreement, together with the Compensation Schedule setting forth Consultant's rates and charges and compensable expenses, attached hereto as Exhibit "A," is adopted by District and Consultant as a complete and exclusive statement of the terms of this Agreement between District and Consultant, except to the extent revised and/or implemented through issuance of Task Orders hereunder. This Agreement supersedes all prior agreements, contracts, proposals, representations, negotiations, letters, or other communications between the District and Consultant, whether written or oral.

20. AMENDMENTS. This Agreement may be amended or supplemented by the parties by written agreement approved and executed in the same manner as this Agreement.

21. SUCCESSORS AND ASSIGNS. This agreement shall be binding upon the respective successors, executors, administrators, assigns, and legal representatives to the parties.

22. GOVERNING LAW. This Agreement shall be governed by, and construed in accordance with, the laws of the State of California.

23. DISPUTE RESOLUTION. The parties agree to first submit any dispute arising out of or in connection with this Agreement to a mutually acceptable professional mediator and to negotiate in good faith toward an agreement with respect to the dispute. Either party within 30 days of providing written notice may initiate mediation. Either party within 60 days of having participated in the first mediation session may provide notice of termination of mediation and thereafter proceed with whatever remedies it may choose in law or in equity.

24. NOTICES. All notices to be given hereunder shall be written, and shall be sent by certified or registered mail, postage prepaid, addressed as follows:

To District:
General Manager
Dublin San Ramon Services District
7051 Dublin Boulevard
Dublin, CA 94568

To Consultant:
Kevin J. Gustorf, PE
Wood Rodgers, Inc.
3301 C Street, Bldg 100-B
Sacramento, CA 95816

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the date and year first written.

DUBLIN SAN RAMON SERVICES DISTRICT, a public agency

By_____
Daniel McIntyre, General Manager

Attest:

_____
Nicole Genzale, District Secretary

Consultant Wood Rodgers, Inc.

_____
Kevin J. Gustorf, Principal – Water Resources

Exhibit A
Consultant Billing Rates



PLEASANTON FEE SCHEDULE
Effective January 1, 2021

CLASSIFICATION	STANDARD RATE
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$255
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$225
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$215
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$205
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$195
Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$180
Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$170
Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$160
Assistant Engineer/Geologist/Surveyor/Planner/GIS/LA*	$130
CAD Technician III	$160
CAD Technician II	$145
CAD Technician I	$130
Project Coordinator	$140
Administrative Assistant	$120
1 Person Survey Crew	$215
2 Person Survey Crew	$315
3 Person Survey Crew	$405
Consultants, Outside Services, Materials & Direct Charges	Cost Plus 10%
Overtime Work	Rate Plus 50%

*LA = Landscape Architect

Blueprints, reproductions, and outside graphic services will be charged at vendor invoice. Auto mileage will be charged at the IRS standard rate, currently 57.5 cents per mile.

Fee Schedule subject to change January 1, 2022.

Wood Rodgers, Inc.

Task Order No. 1 to Agreement No. A20-36 dated 12/18/2020

Agreement Expiry Date: 12/31/2022

Issue Date:	12/18/2020
Project Name and Number:	14-W008 Reservoir 20B
Task Title:	Engineering Design Services
Project Manager Name and Signature:	Sukhpreet Mann _____
Source of Funds:	Water Expansion (Fund 620)
Account Number:	14-w008.design.cip
Authorization Amount:	$746,000.00
Original PO Amount:	$0.00
Increase PO Amount:	$0.00
New PO Amount:	$0.00
Purchase Order Number:	TBD
Return Purchase Order to:	Evita Schnupp
Compensation Method:	Time and materials as per Agreement
Completion Date:	12/31/2022
Insurance Requirements:	As per Agreement; no special requirements
Work Product:	See Attachment "A"
Digital Drawings, if applicable:	Digital files shall be in AutoCAD 2010 or higher drawing format. Drawing units shall be decimal with a precision of 0.00. Angles shall be in decimal degrees with a precision of 0. All objects and entities in layers shall be colored by layer. All layers shall be named in English. Abbreviations are acceptable. All submitted map drawings shall use the Global Coordinate system of USA, California, NAD 83 California State Planes, Zone III, U. S. foot.
Scope of Work:	See Attachment "A"
Economic Disclosure:	Not Required
Recommended by:	Judy Zavadil (_____)

Accepted by:

_____ _____

Kevin J. Gustrorf, Principal - Water Resources
Wood Rodgers, Inc.

Date

Authorized by:

_____ _____

Daniel McIntyre, General Manager
Dublin San Ramon Services District

Date



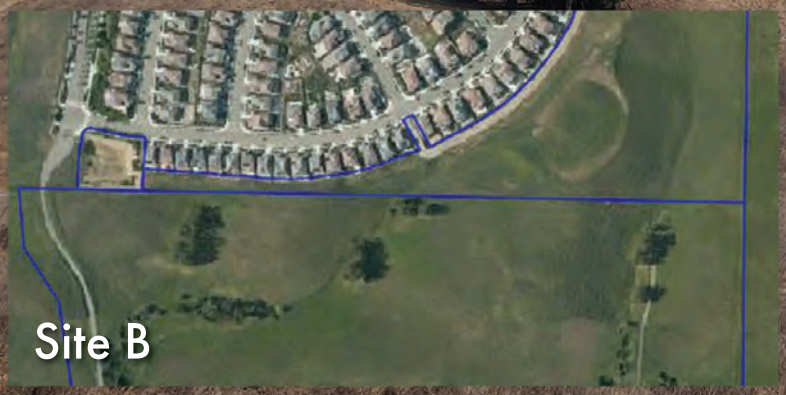
WOOD RODGERS

Proposal for Professional Design Services for

Reservoir 20B Project

(CIP 14-W008)

October 29, 2020



Prepared for

Dublin San Ramon Services District

Water, wastewater, recycled water

WOOD RODGERS

October 29, 2020

Ms. Sukhpreet Mann, PE
Project Manager
Dublin San Ramon Services District
7051 Dublin Boulevard
Dublin, CA 94568

Subject: Proposal for Professional Design Services | Reservoir 20B (CIP-14-W008)

Dear Ms. Mann,

Wood Rodgers, Inc. (Wood Rodgers) is pleased to submit our Proposal to the Dublin San Ramon Services District (DSRSD) to demonstrate our experience and expertise designing similar reservoir projects. We are confident that DSRSD will find our team of dedicated professionals and technical experts more than capable of delivering the services required to successfully complete this important project.

The Wood Rodgers Team will utilize our Project Manager's past experience working with similar projects and a proven approach to successfully deliver this project. The approach has been developed and refined over 20 years of water system and public works experience throughout California. A few of the benefits that the Wood Rodgers Team provides to DSRSD are as follows:

- **Project Manager with Extensive Reservoir Experience |** Our proposed Project Manager, Mr. Kevin Gustorf, PE, has over 20 years of experience in public water system planning and design. Kevin has successfully managed several reservoir design projects, including welded steel tanks, bolted steel tanks, pre-stressed concrete tanks and cast-in-place concrete tanks. His diverse project experience allows for a thorough understanding of the major project elements, from permitting and environmental documentation, to site civil design, to reservoir hydraulics and operations.
- **Local, Multi-Discipline In-House Team |** Wood Rodgers is a multi-disciplined firm that prides itself on providing our clients with the resources and expertise to deliver all elements of a project, from concept through construction. The team assembled for this project provides expertise in all the necessary elements of providing PS&E design and operation of a water storage facility; CEQA compliance; field survey and base mapping; permitting; hydraulics; structural engineering; electrical and instrumentation design; and site civil engineering. **The Wood Rodgers staff assigned to this project will be based in our Pleasanton and Sacramento offices,** and we will pull technical experts from across our eight offices and over 280 professional staff to support DSRSD as required. Our in-house team members include California registered professional civil, mechanical, and structural engineers familiar with the design, bidding and construction of a public works project.

- **Strategic Teaming Partners |** To deliver the best possible product and experience for DSRSD, Wood Rodgers has partnered with other firms that bring specialized expertise, local experience and direct site knowledge. A few of our key teaming partners include:
    - **RICHARD BRADY & ASSOCIATES (BRADY) –** Brady will provide the structural engineering design for the reservoir. Brady's key staff members have collectively designed over 100 water storage reservoirs, and have extensive experience throughout the east Bay Area.
    - **ENGEO –** ENGEO previously performed a geotechnical investigation at the Reservoir 20A site, and has performed numerous geotechnical investigations throughout the City of Dublin. Their understanding of the site soil conditions is a great asset to DSRSD.
    - **RINCON ENVIRONMENTAL –** Rincon has extensive local experience, and can navigate the complex environmental world with clarity.
    - **DTN –** DTN has been providing DSRSD with electrical engineering and telemetry design and consulting services for many years. DTN has a thorough understanding of DSRSD's SCADA system, design standards and operating preferences.

  Although Wood Rodgers can perform several of these services in-house, we determined that partnering with these firms will provide DSRSD the best team for this project. Wood Rodgers has an existing working relationship and great familiarity with each of these firms and their key staff.
- **Comprehensive Project Understanding and Practical Approach |** Our team has a thorough understanding of both the technical elements of designing a reservoir, as well as collaboratively working with both the engineering and the operations and maintenance (O&M) staff. Our approach is centered around involving the O&M staff and the engineering staff early in the project to understand the water system operation, identify challenges, gain input on design preferences, and incorporate DSRSD's standards.

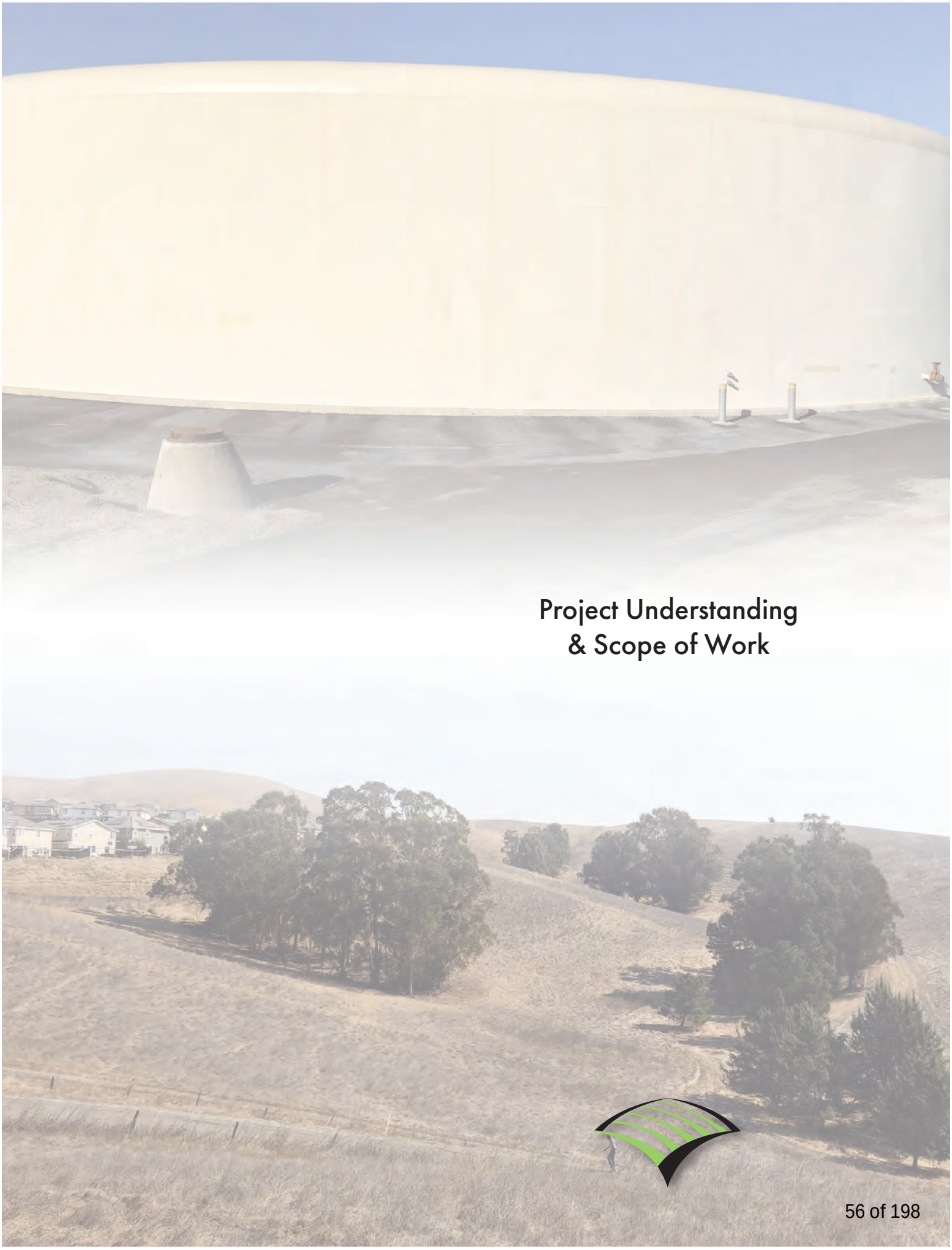
I, Kevin Gustorf, PE, will serve as the Project Manager for the project. As a Principal with Wood Rodgers I have full authority to contractually bind the firm and allocate additional staff resources as needed to ensure the project's success. Our team has full availability to dedicate to this project and are ready to begin work immediately. I will serve as the primary point-of-contact for contractual purposes as well as day-to-day operations once the project is underway.

We look forward to discussing our qualifications more thoroughly in person or at an interview, and welcome any questions you may have in the meantime. On a personal level, I am very excited at the opportunity to work with DSRSD, and I am proud to introduce the capabilities of Wood Rodgers to DSRSD. I can be reached at (916) 341-7425 or kgustorf@woodrodgers.com.

Sincerely,



Kevin Gustorf, PE
Principal/Project Manager



Project Understanding & Scope of Work

PROJECT UNDERSTANDING

In the 2016 Water Master Plan Update (Master Plan), the Dublin San Ramon Services District (DSRSD or District) identified the need to add additional potable water storage in the Zone 20 Pressure Zone (PZ20) to support planned growth in the Dougherty Valley in eastern Dublin. This reservoir is known as Reservoir 20B. The Master Plan determined the required storage volume of Reservoir 20B shall be approximately 1.3 million-gallons (MG), although a final determination of the optimal reservoir capacity will be determined by DSRSD staff.

The City of Dublin (City) has experienced significant growth in recent years, and growth is projected to continue, especially in eastern Dublin. Through September of 2020, 271 of the 388 residential units approved in the City were located in eastern Dublin. Development activity indicates that another 1,785 units remain to be developed in eastern Dublin per the Eastern Dublin Specific Plan. The Croak Development (aka East Ranch), located within the Eastern Dublin Specific Plan and within PZ20, is a planned development by Trumark Homes that will include 573 residential units, as well as over 11-acres of public parks and other amenities. The Croak Development is one of the potential sites for Reservoir 20B (Site B).

Currently, Reservoir 20A is the sole storage reservoir within PZ20. Reservoir 20A is a 3.3 MG above-grade welded steel reservoir located off of Fallon Road. Reservoir 20B will be the second reservoir within PZ20, which will provide DSRSD staff with operational flexibility. Reservoir 20A and Reservoir 20B are filled from Pump Station (PS) 20A and PS 20B. The two pump stations have



Croak Development Limits

a combined capacity of approximately 9.5 million gallons per day (MGD).

DSRSD have identified two (2) potential sites for the proposed Reservoir 20B.

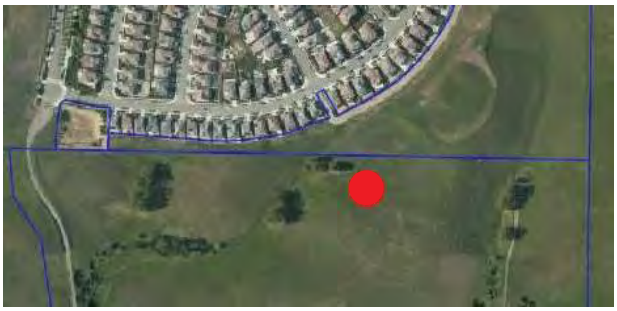
Both potential sites will be evaluated to determine which site is the preferred site for Reservoir 20B. The site evaluation will be comprehensive and consider many criteria and factors, including an analysis of the material type for the reservoir itself.

Plans to build Reservoir 20B actually began in the early-mid 2000's. At the time, the reservoir was planned to be located adjacent to Reservoir 20A (Site A). Some studies were initiated at the time, including an environmental study and a geotechnical study, however the project was put on hold, most likely due to the economic downturn.

The proposed Reservoir 20B will be constructed at an elevation that matches Reservoir 20A so that the system pressures remain consistent, the existing pump stations will operate in a similar fashion, and the reservoirs are hydraulically-balanced which allows for better circulation and



Site A | *Located immediately adjacent to the existing Reservoir 20A.*



Site B | *Located within the proposed Croak Development site. The Croak Development is a planned residential development located on the west and east sides of Croak Road, south of South Terracina Drive.*

water quality, and avoids unnecessary and time-consuming manual operation. Reservoir 20A has a pad elevation of 670-feet and an overflow elevation of 695-feet.

DSRSD is seeking the services of a professional engineering team to complete the design of Reservoir 20B. The project will include a hydraulic analysis of PZ20, site analysis and evaluation, environmental analysis and documentation, geotechnical investigation, topographic survey and mapping, design services, preparation of construction documents, permitting and coordination, bid support and construction support services. The site design elements will vary depending upon the site selection and the reservoir-type selection; however, our team will provide professional engineering services for the site civil/grading design, drainage design, structural design, electrical and instrumentation design, and pipeline and mechanical design. It is understood that DSRSD staff will perform the analysis required to determine the reservoir capacity, which will be provided at the kick-off meeting.

The project is split into the following four (4) Phases:

Phase 1 | Preliminary Engineering and Environmental Planning

Phase 2 | Detailed Design

Phase 3 | Bid/Award Services

Phase 4 | Engineering Services During Construction

PROJECT APPROACH | TECHNICAL

Wood Rodgers has conducted an extensive research of the project background information in order to develop our approach to deliver this project for the District. Our research has included a review of the 2016 Master Plan, a review of the Croak Development project, site visits to both Reservoir 20A (Site A) and the potential Croak Development site (Site B), interviews with DSRSD operations and maintenance staff, and site visits to other District reservoir sites. In addition, our team brings specific site knowledge of Site A as our geotechnical engineer, ENGEO, conducted an investigation of the Reservoir 20A site.

Through our project research, we have identified a number of the key issues at each site that must be investigated, analyzed and properly addressed in order for this project to be a success. Wood Rodgers has developed a comprehensive and customized approach that incorporates the following key issues.

PROJECT KEY ISSUES

Key Issue #1 – Reservoir Siting

Determining the optimal reservoir site is a key decision for this project. Both Site A and Site B have their own pros and cons. The specific pros and cons for each site are discussed in greater detail further below in our proposal. Site selection requires a comprehensive and thorough evaluation. In order to compare the two sites, Wood Rodgers will perform an evaluation of common project factors at each site, and utilize a scoring and weighting matrix to determine the preferred site. An example of the criteria and scoring matrix are included below:

Criteria	Priority Weighting (%)	Site A – Reservoir 20A	Site B – Croak Develop-ment
Operational Flexibility	15	2	4
Maintenance	15	5	3
Community Impact	10	4	2
Land Acquisition	10	5	2
Environmental Constraints	10	2	3
Cost	10	4	3
Risk (Redundancy)	10	1	4
Grading / Retaining	5	1	3
Construction Schedule	5	3	2
Permitting	5	4	3
TOTAL SCORE	**100**	**3.3**	**3.0**

It is noted that the above table is an example, and not inclusive of all criteria. The criteria, weighting and scoring factors will be coordinated with DSRSD staff.

Key Issue #2 – Reservoir Type

DSRSD staff have noted that they currently do not have a preferred reservoir type, and the existing water system has both welded steel and pre-stressed concrete reservoirs. The type of reservoir constructed will depend largely upon the site that is selected, and the factors that exist at that particular site. Wood Rodgers has partnered with Richard Brady & Associates (Brady) to perform the detailed analysis comparing the different reservoir

Description	Welded Steel (AWWA D100)	Conventionally Reinforced Concrete (AWWA D140 – Future)	Prestressed Concrete (AWWA D110)
Typical Shape	Circular	Circular & Rectangular	Circular
Initial Cost	Medium	High	High
Coatings	Required, field applied AWWA D102	Not required unless in a corrosive environment	Not required unless in a corrosive environment
Required Maintenance	High	Low	Low
Site work effort	High	Moderate	Moderate
Construction duration	Comparable	Comparable	Comparable
Below grade/backfill	Not practical	Yes	Yes
Service Life	100 years, with routine re-coating (every 15-20 years)	50-years	75+ years
Freeboard Requirement	Greatest	Reduced	Reduced
Seismic Design	Yes, Wall typically has anchors into the ring foundation	Yes, wall typically has a rigid connection with the foundation	Yes, wall typically has base restraint cables allowing for relative displacement between wall and foundation
Cathodic protection	Yes	No	No

types. Above is an initial comparison of some the key factors that will go into the analysis.

Key Issue #3 – Operations & Maintenance (O&M) Preferences

DSRSD O&M Staff are the ultimate customer, as they are the group that will have to live with the project after construction is complete. Incorporating District O&M input and preferences early in the design will go a long way in developing a facility that will be operator friendly and easy to maintain. Wood Rodgers' staff have met with and discussed reservoir operations and maintenance with District O&M staff. A few elements that will be incorporated into the site selection and preliminary design include:

1. **Safety** - is of paramount importance. The design shall incorporate safety features such as guard rails, fences, gates, intrusion alarms, harnesses and saf-t-climbs.
2. **External Stairs** - the reservoir shall incorporate an external staircase in lieu of a caged-ladder.
3. **Level Board** - the reservoir shall include a manual read level indicator board on the exterior.
4. **Water Quality Sample Ports** - the reservoir shall include a water quality sample port at three (s) levels of the reservoir.
5. **Internal Mixing** - a mixing system will likely not be required immediately, but we will plan for a future addition of mixing system.



Reservoir shall incorporate an external staircase in lieu of a caged ladder.

6. **Access Hatches** – will be provided on the roof and sides (if applicable) to be used for maintenance and equipment access.
7. **Cathodic Protection** - will be an active system similar to other District steel reservoir sites (if required).
8. **SCADA** – will be integrated into the District's existing system and operating schemes.

The project will be designed to comply with DSRSD's latest design standards, standard drawings and specifications.

Key Issue #4 – Hydraulics

Reservoir 20B, and its associated improvements, must be incorporated into the existing system hydraulics so that the system elements continue to operate efficiently. The proposed reservoir should not negatively impact the operation of PS20A and PS20B, should not create water quality / turn over issues, and should not create maintenance issues. In order to ensure the hydraulic operation of the system and PZ20 continues, the new reservoir must be constructed at the same pad and overflow elevation as Reservoir 20A. In addition, the District's hydraulic model will be used to analyze various operating scenarios, to determine pipeline diameters, and to optimize off-site improvements. Wood Rodgers staff has extensive experience using the InfoWater modeling platform, and will work collaboratively with DSRSD staff (Irene) to model and validate the proposed improvements.

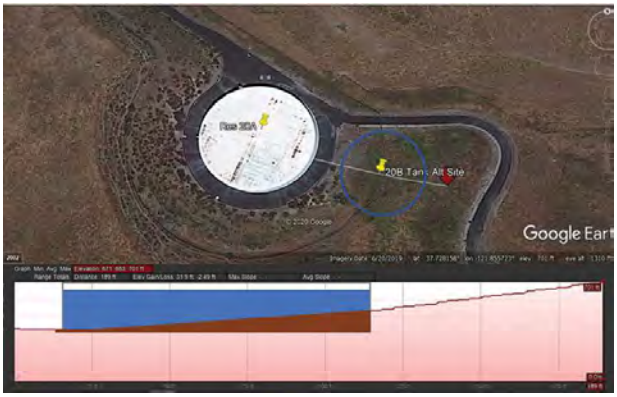
Site A (Reservoir 20A) Key Issues

Both of the proposed reservoir sites offer benefits and constraints that will be evaluated. A few of the benefits of Site A are:

- No property acquisition or easements are required. The property is District owned.
- Initial geotechnical and environmental studies have been conducted.
- Aesthetics are less of a concern. The sight is not visible or immediately adjacent to residential communities.
- Minimal to no off-site improvements are required. There is already an access road with power, storm drain and other utilities at the site. The PZ20 water line to the site is a 16-inch diameter, which will need to analyzed.
- Easy to maintain. Both PZ20 reservoirs would be located at the same site, making maintenance more convenient.

The constraints and challenges of Site A include:

- Constrained and congested access road. The existing access road houses two (2) potable water lines, a recycled water line, and other utilities. If new, or upsized, utilities are required, construction in the existing access road may be challenging and costly.
- Significant grading and soil retaining will be required to develop the reservoir pad and access around it.



Significant grading and soil retaining will be required to develop the reservoir pad and access around it.

- Golden Eagle nesting. A golden eagle nest was observed in a tree approximately 1,000-feet north of the site. The eagle's nesting season is from January 1 through June 30, which may reduce the construction window.



Golden Eagle nesting. A golden eagle nest was observed in a tree approximately 1,000-feet north of the site. The eagle's nesting season is from January 1 through June 30, which may reduce the construction window.

- Risk and redundancy. The existing access road to Reservoir 20B is also the access road to a Pressure Zone 30 (PZ30) reservoir and a recycled water reservoir. Constructing another reservoir that requires use of the same access road poses a significant risk to the District if the access road were to be impassible or a wash-out occurred. The District would lose four (4) storage facilities and all of the storage in PZ20.

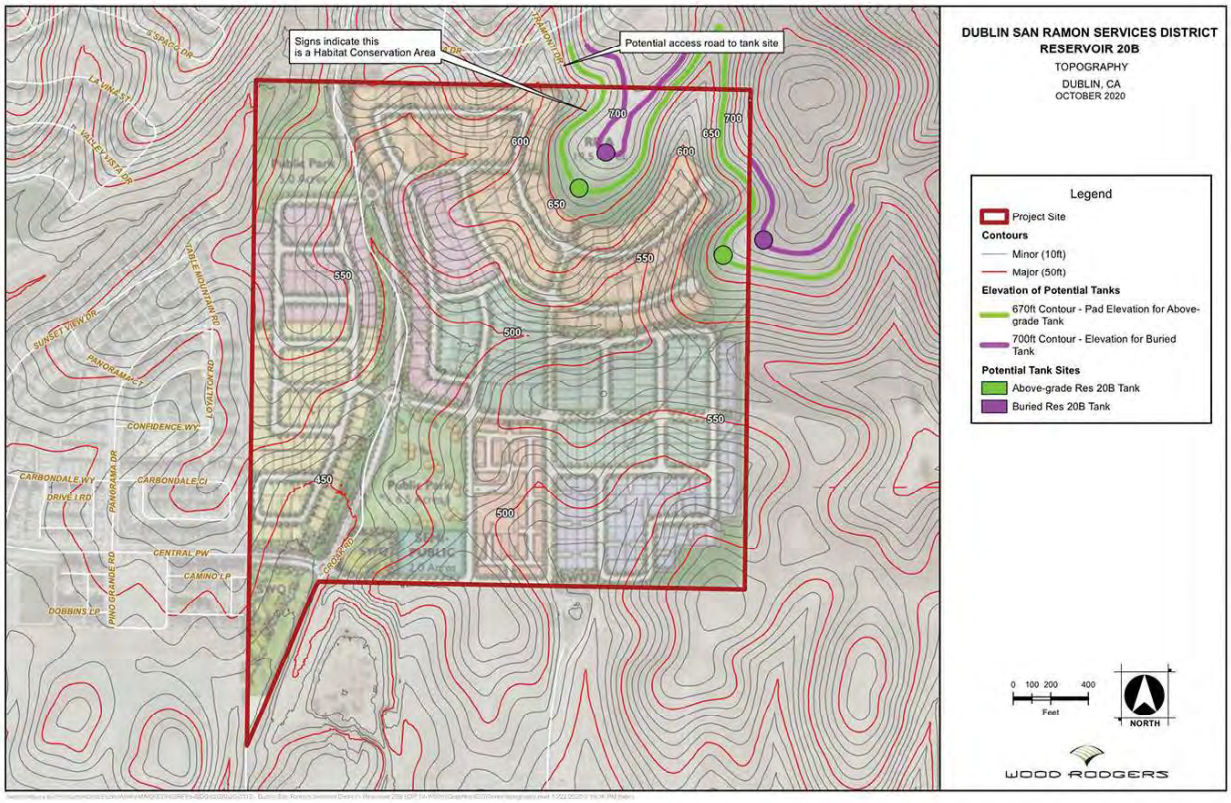
Site B (Croak Development) Key Issues

A few of the benefits of Site B are:

- A separate reservoir site reduces District risk by having PZ20 storage at two different locations.
- There are more options to locate the reservoir at different pad elevations, which means the reservoir could be above-grade, partially buried or fully buried.
- The reservoir will be closer to the users, thereby reducing water age in the system.

The constraints and challenges of Site B include:

- Community impacts and aesthetics. The reservoir will be located within, and adjacent to, residential communities. The reservoir will most likely need to be screened or hidden.
- Land acquisition. The District does not own the land at Site B and must acquire it from the developer.
- Developer coordination. Development plans show the potential locations for the reservoir as open space with planned trails and footpaths.
- Signs at the site indicate the area is a Habitat conservation area. This may trigger some additional environmental requirements and/or mitigation.
- Additional off-site improvements for access and piping will be required.
- If the reservoir is buried, the inlet-outlet and drain piping will be very deep, which makes future maintenance more expensive.



PROJECT APPROACH | MANAGEMENT

Wood Rodgers strongly believes that a successful project requires active communication by the entire team. We are partnering with DSRSD to deliver this project. Communication is essential as it keeps all parties informed about the project status, key decisions, and critical requirements. We implement project communication in many forms, including:

Communication Plan | At the beginning of the project, Wood Rodgers will develop a project communication plan, which includes team contact info, primary and back-up contact personnel, and established communication ground rules. The communication plan is discussed and established at the project kick-off meeting.

Formal Project Meetings | Wood Rodgers will administer all formal project meetings with DSRSD staff and other stakeholders (such as the City of Dublin and the developer (Trumark). We will document all discussion items, decisions and action items.

Informal Project Meetings | There are times when a smaller, focused meetings are required to discuss a specific comment or design element. These meetings will occur as needed or as-requested by DSRSD Project Manager.

Internal Design Team Meetings | Wood Rodgers holds regular weekly internal design coordination meetings to ensure our design team members are communicating, aware of design decisions, project issues and deadlines.

Regular Communication with the District Project Manager | The Wood Rodgers Project Manager will provide regular project updates to DSRSD Project Manager through email, phone calls and text.

Workshops | Wood Rodgers will administer workshops with DSRSD Engineering and O&M staff to incorporate input, feedback and discuss project options so we can make informed decisions as a team.

Monthly Progress Reports | With every monthly invoice, Wood Rodgers will provide a progress report documenting work completed to date, work planned, and identify if any budget or schedule issues are foreseen.

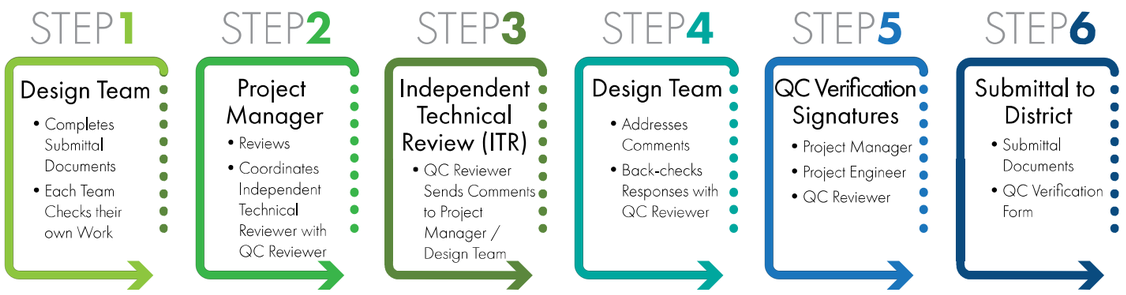
Our project management approach is centered around the fundamentals of project management and is scaled to deliver what DSRSD needs for this project. Utilizing the best practices prescribed by the Project Management Institute, our Project Manager, Kevin Gustorf, PE will oversee all aspects of the project and will be your primary point of contact for any request. Early in the project, Kevin will create a Project Management Plan (PMP), specific for this project, which documents the project controls, standards, and communication expectations. This document will evolve over the life of the project to accommodate adjustments in project direction, scope, or schedule.



QA/QC

Our work products are representations of Wood Rodgers, as well as the individuals that create them. We take great pride in what we do, and we want our deliverables to show it. To achieve the highest quality product, it is important to have a Quality Assurance and Quality Control program that work hand in hand. Quality Assurance is a cultural element here that permeates what our Design Team does on a daily basis. Aligning the right resources, technical guidance / tools, while constantly promoting the importance of quality assures that we will exceed the District's expectations.

While every Team member is responsible for ensuring their work is of a high quality, the Project Manager is ultimately responsible for the quality of work products completed under their direction (including subconsultant deliverables). Quality control reviews follow the procedures outlined in the project specific Quality Management Plan. Part of this plan is an Independent Technical Review (ITR). The Quality Control Reviewer will perform the ITR of work in progress and all deliverables. Once the ITR for each deliverable is complete, each comment is tracked and resolved prior to delivery to DSRSD. Because this project is focused on planning and preliminary design, our QC review team will focus their comments on the facility concepts, intent, and fatal flaws.



QC Review Checklist

In addition to QC reviewers electronically marking up / commenting directly on the deliverables with the BlueBeam Revu software, the reviewer will utilize a checklist developed to assist in reviewing deliverables. This form incorporates the basic aspects of the work, DSRSD standards, as well as the facets of the project where coordination with others is necessary. The checklist is delivered to the PM along with the review comments.



We are all adjusting to the impacts COVID-19 is having on the world and the way we conduct business. Our Team is well versed in Zoom, Microsoft Teams and other virtual meeting platforms and is prepared to facilitate meetings using these and other technologies. While meeting in person is the most ideal, public safety is our primary concern. We have additional features such as document sharing to improve the reviewing process by keeping all comments on one file.

Independent Technical Review

Independent Technical Reviews (ITR) will be performed by Pete Tobia, who has senior level expertise in reservoir design and construction. The ITR will review the deliverable to confirm it meets the scope, standards, and acceptable engineering practice. Written documentation will be maintained by the PM detailing the comments created during the ITR. The PM will then work with the design team to resolve the comments, and perform a back-check to assure the review comments have been properly addressed.

QA/QC Verification Form



Following the resolution of the ITR comments, the QC Reviewer, the Project Manager and Project Engineer will sign the "QC Verification Form". This completed form formally documents the review, and is submitted to the DSRSD with each design deliverable.

District Review

The PM will forward the fully checked and reviewed deliverables to DSRSD for review. The PM is then responsible for coordinating any issues and responses from the District concerning the submitted deliverables.

All comments received from the DSRSD are logged in a comment review workbook. The PM then reviews the responses from the Design Team and works with the District to resolve the comments prior to proceeding with the next submittal.

SCOPE OF WORK

Based on our review of the draft scope of work provided in the RFP and our Project Understanding, Wood Rodgers has developed the following scope of work to deliver this project for DSRSD:

Task 1: Project Administration and Coordination

Task 1.1: Project Management

Wood Rodger's Project Manager will provide project management duties, which will include:

- Overseeing quality assurance and quality control (QA/QC) measures;
- Preparing monthly project invoices;
- Preparing monthly progress reports;
- Communicating / corresponding with the DSRSD staff on project issues;
- Preparing a detailed schedule of work showing each task and subtask, identifying milestones for critical meetings, workshops, deliverables and DSRSD reviews. Schedule updates will be submitted monthly.

Task 1.2: Project Meetings and Workshops

Wood Rodgers will coordinate, administer and attend the following project meetings and workshops:

- Kickoff Meeting - This meeting will include key team members from Wood Rodgers, our environmental consultant, and key DSRSD staff to review the project goals, scope, schedule, and confirm deliverables. Following the meeting a site visit to the two potential sites will be held.
- Preliminary Design Workshop - The findings of the site analysis will be presented to DSRSD stakeholders at this workshop. Wood Rodgers will present the conceptual design options and cost estimates for review and discussion with DSRSD staff. Wood Rodgers will prepare draft meeting minutes to document discussions, decisions and/or recommendations.
- Environmental Review Meeting – This meeting will review the CEQA Administrative Draft/MMRP Draft with DSRSD and other stakeholders.
- 50% Design Review Meeting – Present the 50% design to DSRSD and stakeholders.
- 75% Design Review Meeting – Present the 75% design to DSRSD and stakeholders.
- 90% Design Review Meeting – Present the 90% design to DSRSD and stakeholders.

All meetings/workshops will be held at DSRSD's office (if allowed) or virtually. The Wood Rodgers Project Manager will conduct bi-weekly progress calls with the DSRSD team for the duration of the project.

Task 1.3: Stakeholder Coordination and Permitting

Depending upon the preferred site selected, the reservoir may potentially be constructed on property under the jurisdiction of another entity or owned by other private interests. Wood Rodgers will lead the effort to coordinate the approval of permit applications, project plans, agreements, contracts, and other related documents necessary to meet the project objectives. This may include, but is not limited to, acquisition of property rights and easements, right-of-entry permits, encroachment permits, interagency agreements, and permits required to facilitate field investigations. Coordination is anticipated with the City of Dublin, developers, and private property owners.

Task 1 Deliverables:

- Meeting/Workshop Agendas (PDF Format)
- Meeting/Workshop Minutes (Microsoft Word and PDF format)
- Monthly Progress Reports (PDF format)
- Monthly Schedule Updates (Microsoft Project and PDF format)
- Permit Applications

PHASE 1 – PRELIMINARY ENGINEERING AND ENVIRONMENTAL PLANNING

Task 2: Water Distribution System Evaluation

Task 2.1: Hydraulic Modeling

Wood Rodgers will utilize DSRSD's current InfoWater hydraulic model to perform a pressure zone study for both proposed reservoir sites to confirm the size of transmission main leading to the new reservoir, pumping station capacity needs and other system improvements. It is assumed that the DSRSD hydraulic model is current and calibrated. The hydraulic model analysis will evaluate current system hydraulics and future operations of Reservoir 20B to verify the preferred alternative and/or identify other viable project alternatives and determine the best combination of improvements to address the hydraulic constraints for PZ20 operations and standards outlined in DSRSD's Master Plan. The analysis will provide information with regards to how the location of the reservoir affects the operation of current pump

stations and address any existing and future water quality concerns with addition of the new reservoir. The recommendations will be summarized in the Preliminary Design Report (PDR).

Task 3: Preliminary Design Report

Task 3.1: Reservoir Site Analysis

Wood Rodgers will conduct an assessment and evaluation of both reservoir sites (Site A and Site B). The evaluation will consider key project objectives, and the alternative site locations will be compared and scored in a matrix format. The site comparison evaluation will consider the following, at a minimum:

- Reservoir type (steel, concrete, pre-stressed concrete)
- Community impacts / view shed
- Permitting
- Property acquisition
- Environmental constraints
- Grading / site access
- Geotechnical
- Pressure zone hydraulics
- Cost
- Off-site improvements / utilities
- Construction schedule

This task includes the preparation of up to five conceptual site plans based on hydraulic elevation and spatial constraints. The site plan will include renderings showing views as a buried or non-buried tank and how it will be seen from nearby neighborhoods to the proposed reservoir locations. The conceptual layouts will include a comparison of rough quantities for cut/fill and show potential permanent access and necessary pipeline connections to the existing distribution system. This task also includes a constructability review for both site alternatives. The findings of the site assessment will be presented to DSRSD at the Preliminary Design Workshop.

Task 3.2: Preliminary Design Report

A Preliminary Design Report (PDR) will be prepared for the preferred alternative. The PDR will include the following elements:

- Summary and findings of the hydraulic evaluation.
- Summary of the evaluation of the proposed site alternatives.
- The preferred alternative site plan will be developed to a 10% design level and include the structure type, size and location of Reservoir 20B.
- Special construction considerations for the preferred alternative including major temporary works, staging and laydown areas and site access.
- Construction execution recommendations.
- Identify other potential project challenges.
- Potential environmental mitigation.
- Recommended construction duration in calendar days.
- Identify impacts on water system operations.
- Engineer's opinion of probable construction cost for the preferred alternative.

Wood Rodgers will submit a Draft of the PDR to DSRSD for review and comment. Wood Rodgers will incorporate all District comments and finalize the PDR.

Task 3 Deliverables:

- Site Evaluation Matrix (Excel format)
- Site Plans / Renderings (up to five, PDF format)
- Draft PDR (PDF format)
- Final PDR (PDF format)

Tasks 4 through 15, below, will be performed for the preferred alternative for Reservoir 20B only.

Task 4: Utility Documentation, Right-of-Way, Property and Utility Research

Task 4.1: Utility Research and Documentation

Wood Rodgers will investigate the existing utilities within the project limits to identify potential conflicts with the proposed project, and will coordinate with utility companies for resolution. Wood Rodgers will contact and coordinate with local utilities that provide services in the project area to identify all known utilities. Wood Rodgers will submit plans for coordination with utility companies and will be applying the American Public Works Association procedures for utility coordination ("A, B, C" letters).

Record maps and deeds will be retrieved and analyzed to provide an approximate location of the right-of-way and adjacent boundary lines. Monuments found in the field will be used to place the boundary and right-of-way lines in the project base map.

Task 4.2: Right-of-Way Cost Estimates and Planning

Wood Rodgers subconsultant, Monument, will review the preferred site ownership, highest and best use, and development plans on record with the City. This task, for the preferred alternative, includes:

- Take an inventory of the affected properties for each selected option.
- Using public Assessor's Roll information, investigate the ownership, lot size, and building size of each affected property.
- Visually inspect each property (exterior street view) and evaluate effects of proposed acquisition.
- Prepare an estimate of the probable cost of each full property acquisition or the cost of each partial acquisition (plus damages) using the data sets created and utilizing our various real estate value data bases.
- Prepare an estimate of the probable relocation assistance exposure for each residential or non-residential occupant located on each property.
- Prepare an estimate of the total services and incidental costs associated with each real estate acquisition program.

This task will be summarized and delivered in the form of a report containing a textual description of the project areas studied, a summary of total probable costs of the study area itemized by major component, and will include detailed spreadsheets showing how the summary sheets were calculated.

Task 4 Deliverables:

- Property Report (PDF Format)

Task 5: Geotechnical Investigations

Wood Rodgers subconsultant, ENGEO, will perform a geotechnical investigation and prepare a summary report for the preferred reservoir site. Depending upon the selected site, the field exploration will vary, as described below.

Task 5.1: Field Exploration

Site A: To update and supplement our 2006 subsurface exploration data for Site A, we propose to perform one hand auger probe to a depth of 5 to 10 feet below existing grade in order to collect soil and rock samples for corrosion testing. In 2006, ENGEO's field exploration included two borings. Based on the boring data, and original and existing grades, fill material, approximately 6 to 7 feet thick, was found over native silty clay soil, approximately 6 to 8 feet thick. Bedrock encountered below the soil materials consisted of claystone and siltstone with sandstone interbedded. Groundwater was not encountered in the 2006 borings.

Site B: The proposed reservoir at Site B is planned at the knoll of a ridgeline within the northeastern portion of the Croak Property. In 2000, ENGEO conducted a preliminary geotechnical assessment of the site. Based on our review of test pit data by others at the vicinity of the tank area, the site soil consisted of silty clay, approximately 3 to 5 feet thick, over bedrock, which composed of claystone, siltstone, and sandstone. Groundwater was not found in the nearby test pits.

Based on the assumed tank pad elevation, near surface bedrock, and access constraint to the area, to characterize the subsurface conditions for the reservoir design, we propose to explore Site B by excavating three test pits to depths of approximately 10 to 15 feet, or to refusal, whichever is shallower. An ENGEO engineer or geologist will observe the test pit excavation operations and log the subsurface conditions encountered in the test pits. Soil samples will be taken at frequent intervals for visual classification and laboratory testing.

We will test representative soil samples from our exploratory locations in our laboratory to determine some of their engineering properties. We plan to perform moisture content, dry density, sieve analysis, plasticity index, and limited corrosion testing for this project.

Task 5.2: Report Preparation and Analysis

For the preferred site, we will analyze the subsurface conditions and laboratory test results, and prepare a preliminary geotechnical report that will include the items described below.

- Suitability of the site.
- Assessment of site seismicity and seismic hazards, including the potential for landslides, liquefaction, lateral spreading, and estimated seismically induced settlement.
- Treatment of geotechnical constraints such as groundwater, excavatability, loose/soft surface soils, existing fills, compressible soils, expansive soils, liquefiable soils, slope stability, and lateral spreading, as necessary, based on field exploration results.
- Analysis of potential total and differential settlement (static and seismically induced).
- Conceptual measures to mitigate hazards, geotechnical constraints, and predicted settlements, as appropriate.

- Site grading recommendations, including fill placement recommendations, utility backfill and bedding, suitability of site for trenchless pipeline construction, temporary shoring and excavation based on OSHA soil class determination, and recommendations for site drainage.
- Foundation design recommendations for recommended foundation type(s) and California Building Code (CBC) seismic criteria.
- Foundation concrete strength recommendations based on results of sulfate testing.
- Conventional retaining wall lateral earth pressures and wall drainage recommendations.

Task 5 Deliverables

- Draft Geotechnical Report (PDF Format)
- Final Geotechnical Report (PDF Format)

Task 6: Topographic Mapping and Survey Control

Wood Rodgers will prepare a topographic survey of the preferred site that will be mapped at a scale of 1" =20' with a 1' contour interval. All planimetric locations will be shown including fences, sidewalks, edge of pavement, surface utilities, street frontages, trees, etc. The elevations will be relative to the City of Dublin datum or NAVD88. Horizontal coordinates will be based on the California State Plane Zone 3. The topographic survey will be processed using AutoCAD.

Task 7: Field Verification of Existing Utilities

Task 7.1: Potholing

Wood Rodgers will develop a potholing plan for locating and profiling existing underground utilities that may be in conflict with the project. Wood Rodgers subconsultant, EXARO, will perform the field investigation. EXARO will provide utility clearance for the purpose of the utility design and coordination. Through the method of vacuum excavation potholing, EXARO will provide positive depth and location of critical utilities. This task will include:

- Preparation – Review relevant pothole locations/ drawings and develop traffic control plans. Apply for city/county permits. USA performed in the field and called in to USA central.
- Potholing – Up to (2) two full days of potholing (approximately 10-12 potholes). Utility locating begins by making a 12" x 12" opening. High pressure air is injected into soil to loosen it. A high-power vacuum removes the loose soil. The following data is collected:
    - Cut size
    - Thickness of asphalt or concrete
    - Soil type
    - Utility type, material and depth
    - Two-dimension coordinates
    - Special notes and comments
- Repair – Backfill hole with native, class II aggregate, slurry as required by client/permit. Repair affected area with cutback, permanent cold asphalt patch, hot mix asphalt or concrete as required by client/permit.
- Document – Transcribe field data onto excel spreadsheet. Perform quality control process on transcribed data.

Task 7 Deliverables

Pothole Report (PDF and Excel Format)

Task 8: CEQA Environmental Documentation

Wood Rodgers has partnered with Rincon to perform the environmental analysis for the preferred reservoir site. To comply with the California Environmental Quality Act (CEQA), Rincon has determined that an Initial Study-Mitigated Negative Declaration (IS-MND) is the most likely documentation required. The major tasks to prepare and process the IS-MND are described below. If it is determined through the Initial Study and early consultation process that the project may result in significant and unavoidable environmental impacts, we will notify DSRSD immediately to determine the necessary course of action, which could include revising the work scope and budget to accommodate the preparation and processing of an Environmental Impact Report (EIR).

Task 8.1: CEQA Kickoff Meeting

Rincon's project manager will attend a virtual kickoff meeting with Wood Rodgers and DSRSD staff to begin the CEQA work. The purpose of the meeting will be to obtain necessary materials for document preparation and confirm project goals and schedule, and communication protocol.

Task 8.2: Project Description

Prior to initiating the environmental analysis, Rincon will prepare a draft project description for Wood Rodgers and DSRSD review. The project description will include descriptions of the site and its location, project characteristics relevant to the analysis (description of all project components for both construction and operation), project objectives, and required discretionary approvals.

Task 8.3: Administrative Draft IS

Rincon will prepare an internal review (Administrative) Draft IS using DSRSD's preferred format. The Administrative Draft IS will address all of the items on the environmental checklist. Whenever possible, impacts will be quantified and compared to applicable criteria used to define significant impacts. Rincon will submit one electronic copy of the Administrative Draft IS. At this point in the process, Rincon will meet with DSRSD staff to review the findings of the IS and confirm the decision to proceed with a mitigated negative declaration (MND). If any issues arise that may lead to the need for preparing an EIR, then an alternative strategy and analysis will be developed.

Task 8.4: Public Review Draft IS-MND

If it is determined that the project can be processed with an MND, Rincon will respond to DSRSD comments on the Administrative Draft IS and format the document as a Draft IS-MND to be distributed for a 30-day public and agency review. Rincon will provide a single screencheck version of the Public Review Draft IS-MND prior to publication. Upon approval by DSRSD, we will provide one electronic copy of the Public Review Draft IS-MND, one camera ready copy, and up to 10 additional bound hard copies. Rincon will prepare the Notice of Intent to Adopt a Negative Declaration, will prepare all required notices and will file the IS-MND to the State Clearinghouse and County Clerk. We will also circulate the notice to all Responsible Agencies for the project and will publish all notices required under CEQA.

Task 8.5: Final IS-MND

Upon receipt of all public and agency comments on the Draft IS-MND, Rincon will prepare draft responses for DSRSD review. Upon receipt of DSRSD comments on the draft responses, Rincon will incorporate changes and prepare the Administrative Final IS-MND. This task will include the preparation of the Mitigation Monitoring and Reporting Program (MMRP), formulated as a table listing all mitigation measures and indicating what monitoring actions are required, which department(s) will be responsible for monitoring, and when monitoring is to occur. Upon Final IS-MND approval, Rincon will provide a PDF of the Final IS-MND (including written responses to comments, and the MMRP), one electronic copy, one camera ready copy and up to 10 bound hard copies. We will also prepare the CEQA Findings for the project and include them in electronic format. Rincon will be responsible for filing a Notice of Determination (NOD) upon project approval with the County Clerk and State Clearinghouse and payment of any required fees.

Task 8.6: Public Hearings

Rincon's Project Manager will attend up to two hearings on the project. At DSRSD's request, we will prepare and deliver a presentation that summarizes the CEQA process and the findings of our analysis.

Task 8 Deliverables

- Administrative Draft Initial Study (PDF Format)
- Public Review IS/MND (PDF Format + Hard Copies)
- Final IS/MND (PDF Format + Hard Copies)

PHASE 2 – DETAILED DESIGN PHASE

Wood Rodgers will prepare a complete set of documents which will allow for public bidding and construction including drawings, technical specifications and final contract documents. Design drawings will be prepared under the supervision of, and stamped and signed by, a California Registered Professional Engineer. Construction documents will be submitted at the 50%, 75%, 90%, 95%, and 100% phase including plans, technical specifications and construction cost estimates for review by DSRSD. The design will comply with DSRSD's latest standards and criteria.

Task 9: Permitting, Property Acquisition and Interagency Agreements

Task 9.1: Permitting

Wood Rodgers will coordinate and obtain any permits and other required approvals resulting from the CEQA process and MMRP. Wood Rodgers will respond to all permit-related reviews/comments and revise construction documents accordingly.

Task 9.2: Fee Appraisal

Monument will provide appraisal and negotiation services to all applicable local, state and federal standards. Monument assumes the Site B will be a "carve out parcel" owned by DSRSD from the larger development parcel.

- The appraisal will be prepared by individuals licensed with the State of California, Office of Real Estate Appraisers, as a Certified General Real Estate Appraiser.
- Prepare the Notice of Decision to Appraiser letter for each property.

- The appraisal report will comply with laws that are applicable to the specific appraisal assignment and the Uniform Standards of Professional Appraisal Practice (USPAP).
- Perform an inspection of the subject property.
- In the appraisal report, identify the highest and best use. If highest and best use is in question or different from the existing use, provide an appropriate analysis identifying the market-based highest and best use.
- Report the appraiser's analysis, opinions, and conclusions in the appraisal report.

Task 9.3: Acquisition and Negotiation

Monument will provide ROW delivery services required for DSRSD to purchase ROW required to construct the project. The tasks will be performed in accordance with applicable Federal, State and local regulations. Monument will provide the following services:

- Coordinate and manage the acquisition process with DSRSD, legal counsel, design team, property owners, and tenants along with the title company, appraisers and other consultants to insure effective cross-discipline communications.
- Review ROW plans, appraisal reports, title reports, appraisal maps and legal descriptions and all other pertinent documents.
- Prepare acquisition offer packages consisting of DSRSD's written purchase offer, appraisal summary statement, acquisition brochure, acquisition agreement, conveying instruments, Certificate of Acceptance, recommendation of Amount of Just Compensation, plat maps and legal descriptions, and Title VI Information.
- Negotiate personally in good faith with each property owner for up to 60 days, his/her agent or representative and discuss appraisal and valuation of the property interests.
- Prepare and submit a Letter of Recommendation to DSRSD for any proposed administrative settlements with property owners.
- Escrow Coordination - Coordinate opening of escrows with direction from the project manager, assist the escrow company in obtaining additional documentation as necessary to provide clear title to DSRSD, supervise and review the closing of escrows, and review closing statements for completeness and accuracy.
- Prepare all applicable forms, secure property owner's approval and signature and submit the forms to DSRSD for review and acceptance.

Task 9 Deliverables

- Permit Applications
- Property Acquisition/Appraisal Report

Task 10: 50% Design Submittal

Wood Rodgers will prepare a 50% design submittal for review by DSRSD. The 50% design submittal will include the following minimum elements:

- Plans, cross sections and details for the new Reservoir 20B, including but not limited to, site plans, site grading plans, site piping, mechanical details and sections, structural details, and electrical, instrumentation, telemetry, control drawings and diagrams
- Plan view of the reservoir site plans and site piping, showing the preliminary and/or existing topographic features, property lines, public right-of-way private easements and existing utilities
- Preliminary mechanical section and details
- Preliminary electrical, control and instrumentation diagrams
- Preliminary determination of major utility crossings
- Plan view of any proposed pipeline alignments, showing the horizontal alignment in relation to the existing topographic features, property lines, public right-of-way, private easements and existing utilities
- If applicable, profile view of the proposed pipeline alignment showing the pipeline invert elevations, ground profile above the centerline of the pipeline alignment, and utility crossings.
- Details for points of connection, pipeline off-sets, trench details, cathodic protection, valves and other appurtenances
- Technical specifications
- Payment item schedule for contract bid document
- Cost estimate

Task 10 Deliverables:

- One full-size hard copy (22" x 34"), one half-size hard copy (11" x 17") and electronic (PDF) copy formatted in both half-size and full-size.

Task 11: 75% Design Submittal

Wood Rodgers will prepare a 75% design submittal that incorporates the pertinent DSRSD

review comments from the 50% submittal. The 75% design submittal will include the following minimum elements:

- Written responses to each DSRSD comment to the 50% design submittal
- Technical specifications
- Payment item schedule for contract bid documents
- Revised/updated cost estimate
- "Red-line" DSRSD's Standard Front-End documents for incorporation into the final bid docs.

Task 11 Deliverables:

- One full-size hard copy (22" x 34"), one half-size hard copy (11" x 17") and electronic (PDF) copy formatted in both half-size and full-size.

Task 12: 90% and 95% Design Submittal

Task 12.1: 90% Design Submittal

Wood Rodgers will prepare and submit a 90% design submittal for review by DSRSD. The 90% submittal will incorporate the pertinent DSRSD review comments from the 75% submittal. The 90% design submittal will include the following minimum elements:

Task 12.2: 95% Design Submittal

Wood Rodgers will incorporate any changes to the 90% design submittal no later than five working days upon receipt of DSRSD's comments. The revised version, herein referred to as the 95% design submittal, will be the version of the design drawings to be made available to permitting agencies for review for the issuance of any construction permits, if required. Wood Rodgers will submit documents to respective permitting agencies in accordance with their specific requirements.

Task 12 Deliverables:

- One full-size hard copy (22" x 34"), one half-size hard copy (11" x 17") and electronic (PDF) copy formatted in both half-size and full-size.
- A USB flash drive: AutoCAD (version 2010 or higher) files for all design drawings, technical specifications in MS Word and PDF formats, and cost estimates in MS Excel and PDF formats.

Task 13: 100% Design Submittal

Wood Rodgers will prepare and submit a 100% design submittal to DSRSD. The 100% submittal will represent that final bid-ready contract documents and incorporate the pertinent DSRSD and/or Permitting Agency review comments from the 95% design submittal. Wood Rodgers will provide a complete set of documents which will allow for public bidding and construction of the proposed project. Wood Rodgers will assist in submitting plans and specifications to local agencies or regulatory agencies as needed for permitting or other requisite approvals prior to construction. The 100% design submittal will include the following:

- Written responses to each DSRSD and/or Permitting Agency comment to the 95% design submittal
- Final technical specifications for incorporation into the final contract bid documents
- Final payment item schedule for incorporation into the final contract bid documents
- Revised/updated cost estimate

Task 13 Deliverables:

- One full-size hard copy (22" x 34), one half-size hard copy (11" x 17") and electronic (PDF) copy formatted in both half-size and full-size.
- USB flash drive: AutoCAD (version 2010 or higher) files for all design drawings; technical specifications in MS Word and PDF formats, with Consultant's professional engineering stamp and signature in the PDF file; and cost estimates in MS Excel and PDF formats; the construction schedule in MS Project and PDF formats.

PHASE 3 – BID/AWARD PHASE SERVICES

Task 14: Engineering Services in Support of the Bid/Award Phase

Wood Rodgers will provide engineering support and assist DSRSD, as required, during the bid phase of the Project. Bid phase services will include:

- Attendance at a pre-bid meeting and site walk-through with potential contractors
- Preparation of any addenda (reproduction and distribution will be provided by DSRSD)
- Assistance with and preparation of responses to questions or clarification of aspects of the design and/or specifications
- Evaluation of bids received
- Preparation of conformed drawings with any addenda issued during the bid period

PHASE 4 –ENGINEERING SERVICES DURING CONSTRUCTION PHASE

As noted in the RFP, no detailed scope or fee proposal for Phase 4 is required at this time.



Project Team



PROJECT TEAM

Organizational Chart

Wood Rodgers has a well-established track record in our management and technical skills to deliver high-quality products on time and within budget. Our proposed team outlined in the organizational chart is well-versed in providing hydraulic analysis, topographic survey, civil engineering, structural design and environmental compliance for new reservoir projects. Following the organizational chart are brief biographical summaries of the qualifications and experience of the team members who would interact with the District on this project.

All team members listed on the organizational chart will be available through completion of the project. There will be no substitutions of any team member without receiving approval in writing from the District.



PERSONNEL



Kevin Gustorf, PE, QSD | Principal-in-Charge/Project Manager | Wood Rodgers, Inc.

Mr. Gustorf is a registered professional engineer with over 20 years of leadership and expertise in the water resources field. His experience in water resource engineering includes the planning, design, construction and management of a wide variety of projects for local municipal public works agencies and special districts throughout the State of California. His diverse project experience includes master planning, hydraulic modeling, hydraulic analysis and studies. Mr. Gustorf's design experience includes the design of water and wastewater pump stations, pipelines, flow/pressure control facilities, wells, tanks and reservoirs. His projects have included both new design, as well as the repair and rehabilitation of existing facilities. Mr. Gustorf has managed projects ranging from small task orders, to large multi-discipline, complex projects with multi-million-dollar design fees. In his career he has managed hundreds of projects, all of which have met or come below budgets. In addition, clients have executed follow-up on-call agreements due to the high-level of service and quality.

Spring Canyon Reservoir and Pump Station, Newhall County, CA | Project Manager for a 1.85-million-gallon, above-grade, welded-steel reservoir and a 2,200-gallon-per-minute dual-zone booster station. Performed a hydraulic analysis and prepared a master plan document to determine the size and system layout for the extension of Newhall County Water District's (NCWD's) Pinetree Water System to supply the 500-unit Spring Canyon Development. The project included the preparation of a hydraulic model, master plan, preliminary design reports, and construction documents for the reservoir, the pump station, a disinfection facility, a pressure-reducing station, and miles of eight-inch to 20-inch water piping. The reservoir site included the design of a 2,300-linear-foot access road with a 16-inch water line, an 18-inch storm drain line, and a four-inch sewer line. The reservoir was equipped with an internal mixing system. Services included survey, mapping, grading, environmental, permitting, hydraulics, electrical and instrumentation, and structural design. Prepared the complete construction documents package, which included civil, electrical, instrumentation, and structural design.

Santa Anita Reservoir No. 4, Arcadia, CA | Project Engineer for this project which provided preliminary and final design engineering for a partially-buried 4.4-million-gallon reinforced concrete reservoir. Project included extensive grading / site civil engineering, pipeline design, structural and electrical engineering, survey, mapping, and landscape architecture. Provided bid and construction support services.

Thermal Energy Storage (TES) System, Los Angeles, CA | Project Engineer responsible for providing engineering design services for a 3.0 MG pre-stressed concrete chilled water storage tank under Cromwell Field and a new pump house in the basement of Grace Ford Salvatori Hall; part of the university's new thermal energy storage system. Construction workers tunneled 17 feet underground to connect two 24-inch pipelines from the water tank to the pump house. The warm water coming back through these pipes will have a chance to chill overnight before it is recirculated, allowing the university to shift a lot of kilowatt-hour usage to off-peak hours at night, when electricity is less expensive.

Rosedale Development - Water Facilities Design (Monrovia), Azusa, CA | Served as the lead Project Engineer for the design of three reservoir structures and two pump stations to support the Rosedale Development in Azusa, CA. The project included design of approximately 31,000 linear feet of domestic and raw water pipeline ranging from 12 inches to 42 inches in diameter, three reservoir structures, and two pump stations: 2,250-gpm pump station constructed within an existing building and an 1,150-gpm pump station constructed in a 40-foot-deep vault, with a new building constructed above. Provided engineering design services for two (2) completely buried 3.3 MG pre-stressed concrete reservoirs, and a 1,0 MG above-graded welded steel reservoir.

Karl Meier, PE | Design Manager | Wood Rodgers, Inc.



With over 17 years of experience as both a consultant and as a District Engineer for a public water agency, Karl brings a balance of project execution, risk identification/mitigation, and long term asset ownership/ maintenance. Karl's past public sector experience required active involvement and management of the engineering, operations and maintenance activities for a public water system. As a consultant, he has extensive experience leading the design of water, wastewater and recycled water infrastructure including pump stations, pipelines, pressure reducing stations and reservoirs. Mr. Meier also has extensive hydraulic modeling experience and is an expert in a variety of hydraulic modeling platforms, including Innovyze InfoWater.

Regional Recharge and Recovery (R3) Project – Mojave Water Agency, CA | Served as a Project Engineer on this large project and assisted with developing the plans and specifications for over 14 miles of large diameter steel pipe ranging in size from 24-inch to 48-inches as well as the pump station and reservoir facility consisting of a 13,500 gpm pump station and 2.65 MG welded steel reservoir. The Regional Recharge and Recovery (R3) Project makes use of available aquifer storage capacity in the Mojave basin to enhance the regional supply of water and provide facilities to deliver water to various water retail agencies in the region. For this first phase of the R3 project, MWA intends to annually recharge an average of approximately 15,000 acre-feet of State Water Project water into the Mojave ground water basin, which would be available for recovery by pumping a series of extraction wells, located downstream of the recharge area. The pumped ground water will go into a transmission system, be disinfected at a central disinfection facility, and then be delivered to various water retailers in the local area. Due to hydraulic and operational requirements of the R3 system, an intermediate storage reservoir and pump station will also be constructed, and connected to a terminal reservoir.

Spring Canyon Reservoir, Santa Clarita, CA | Served as Project Engineer for the planning and design of a new 2.0 MG welded steel reservoir that included an on-site chlorine generation system. Responsible for civil and mechanical design elements.

Water System Condition Assessment, Scotts Valley Water District, CA | Served as the Project Engineer for this condition assessment and master plan which evaluated the physical condition of the Scotts Valley Water District potable and recycled water facilities (with the exception of the recycled water treatment plant) and used information collected during site inspections, review of District records and interviews with staff to identify and prioritize capital improvement projects based on the current age, condition and expected remaining useful service life of these facilities.

Santa Ana River Access Road and Bike Trail Detour, Waterline Relocation (USACE), Santa Ana, CA | Served as the Project Engineer for this fast-tracked project, which required detailed plans and specifications for the relocation of 1,700-ft of 12-inch ductile iron waterline including a bridge crossing along the Santa Ana River Channel. Project plans; specifications and engineer's cost estimate were completed in less than three weeks including agency approval. This project was funded by the USACE however, the waterline is property of the City of Corona, requiring both City of Corona and USACE approval of the project plans.

Crow Landing Industrial Business Park Water Pump Station – County of Stanislaus - Crows Landing, CA | Currently serving as the QA/QC Manager for this multi-phased water pump station envisioned to supply water to a new industrial business park. The pump station, in its initial phase will house 5 pumps with a total capacity of 4,200 gpm, with an onsite 1.2-million-gallon welded steel reservoir and hydropneumatic tank. To accommodate the planned growth of the business park, the pump station is designed with oversized pump cans for future pump upsize, as well as an additional can. Space planning for additional tanks, as well as architectural treatments were incorporated into the design to blend the facility in with the new economic hub.

Pete Tobia | QA + QC | Wood Rodgers, Inc.



Mr. Tobia has over 30 years of broad professional experience in the planning, engineering and management of large and complex municipal projects. He has been the project manager and licensed professional responsible for a multitude of public and private infrastructure and utility projects, from master planning, engineering and environmental document coordination to specific drainage, sewer, and water master plans, capital improvement programs, public financing, and final design. His direct design experience includes water treatment and conveyance, pump stations, storage tanks, pipeline projects, flood control projects and hydrologic and hydraulic modeling. He has overseen the successful completion of numerous pump station projects - including drainage pumping facilities well head pumping, booster stations, and sewer lift stations.

California Conservation Corps Auburn Campus Water Tank, Placer County, CA | Principal-in-Charge for the design of a standalone water tank project to occur as a predecessor project. The existing facility received fire flow from an undersized concrete tank set on a hillside above the campus. Oversaw the preparation of the water system model, including field calibration, to identify needed improvements, including sizing and siting a new tank. Managed the preparation of construction documents for a new 160,000 gallon bolted steel tank that included SCADA upgrades for improved monitoring.

West Village Offsite Infrastructure, UC Davis, Sacramento, CA | Mr. Tobia was the Principal in charge for planning, design, and construction administration of $12 million of infrastructure improvements to support a new campus residential community. Work includes a new 300,000-gallon water tank and booster pump station; 2.6 mgd sewer lift station; five miles of sewer, water, and drainage piping; reconfiguration of existing power systems; and roadway improvements, including two multi-lane roundabouts.

On-Call Retainer, Department of General Services, Northern CA | Mr. Tobia has served as the Principal-in-Charge for this contract for the past 8 years, which has included two renewals. He has overseen over 50 assignments that have included a wide range of civil services including: Systems planning, modeling of gravity and force main systems, water quality improvements, tanks, pumping systems, and final design of sewer, water, and drainage pipelines.

Bridge District Infrastructure Improvements, City of West Sacramento, CA | Mr. Tobia provided civil engineering design and oversight of design of wet utilities for the City's $15 million redevelopment of the infrastructure system serving the Bridge District. The Bridge District was historically an industrial area which the City desired to redevelop into an urban commercial, office and residential area of 12.5 million square feet of building space. Mr. Tobia guided the development of the sewer master plan, and was the Engineer of Record for a 3.6 MGD sewer lift station that tied into the City's network of force mains, requiring a detailed hydraulic analysis.

Sacramento City College South Utility Improvements, Sacramento, CA | Mr. Tobia was the project manager for providing conceptual and final design of a $2 million construction project that extended hydronics piping, water, sewer, drainage, electrical, and telecom infrastructure to serve development of the southwest corner of the campus. The corridor went though a congested portion of the 100 yea-old campus and required extensive pre-planning and phasing considerations to keep the campus up and running through the duration of construction. Pedestrian access was also a key consideration, and Mr. Tobia worked closely with stakeholders to minimize disruptions. As part of the work, several mechanical room upgrades and installation of a new boiler were also completed.

Shirley Reppert, EIT | Water Distribution Evaluation |

Wood Rodgers, Inc.



Ms. Reppert is an assistant engineer with over eight years of experience in the field of water resources engineering. She has experience with water, wastewater, recycled water, and large transmission pipelines. Ms. Reppert prepares water studies, sewer studies, water supply assessments, technical memos, and proposals. Her range of experience includes pipeline design, trenchless design, design of sewer lift stations, and the development of hydraulic models.

Hillcrest and Silverado Highlands Pump Station Replacement Project, City of Napa, CA | Shirley is currently serving as the Lead Design Engineer providing design services for this project, which consists of the simultaneous design of two potable water pumping stations for the City of Napa. In the fall of 2017, the Atlas Fire burned over 51,000 acres including two of the City's potable water pump stations, the Hillcrest Pump Station and the Silverado Highlands Pump Station. Shirley was directly responsible for using the City's InfoWater hydraulic model to develop system curves for both pump stations, select pumping units and for leading the mechanical design effort for the pump stations.

Pure Water Program North City Conveyance System Pipeline, City of San Diego, CA | Served as the Lead Project Engineer responsible for all design elements for this large diameter pipeline project. As part of the Phase I North City Pump Station and Pipeline project, provided final design of 3.5 miles of 48-inch diameter welded steel pipeline that will convey advanced treated water for surface water augmentation from the City's North City Treatment Reclamation Plant to the Miramar Reservoir. The project is part of the phased, multi-year San Diego Pure Water Program, which will provide one-third of the City's water supply locally by 2035. This portion of the pipeline includes two 60-inch trenchless sections (jack and bore) and one aerial span above an existing MTS/ NCTD railway facility.

Cowan Heights System Hydraulic Model Update and Zone Realignment Study, Golden State Water Company, California, CA | Serving as the Project Engineer responsible for validating and calibrating a hydraulic model of the entire water distribution system to conduct an evaluation of Golden State Water Company's system operation. Wood Rodgers is providing recommendations to modify pressure zone alignment(s) and boundaries, address hydraulic constraints, and develop a capital improvement plan.

EDM 1 and EDM 2 Water Main Relocations - El Dorado Irrigation District, CA | Served as the Assistant Project Engineer responsible for supporting the pipeline design team. As part of the Caltrans Camino Safety Improvement Project, Wood Rodgers is providing design services to relocate approximately 1,200 feet of 30" and 1,000 feet of 36" AWWA C303 concrete cylinder pipe outside of the roadway improvement limits. The project, which has an accelerated schedule, requires coordination with the EID as well as Caltrans to ensure all stakeholder requirements are met.

City of San Diego Water & Sewer Group Job 697A. 2019 | Serving as the Lead Project Engineer responsible for providing technical support services to the City of San Diego for the underground tunneling design during the construction phase. The City of San Diego Public Works Department completed the in-house design of the Sewer and AC Water GJ 697A Project which included approximately 900 feet of trenchless construction in two separate areas crossing Caltrans right-of-way as well as a biologically sensitive area. Wood Rodgers is providing processing of tunnel classification permits with the State of California DIR Division of OSHA Mining and Tunneling Unit, is reviewing contractor submittals, reviewing contractor requests for information and is providing technical support to the City as-needed for this portion of the work.

Eddie Gosse, PE | Mechanical | Wood Rodgers, Inc.



Mr. Gosse has over 18 years of experience as a mechanical/process engineer and technical leader. His professional experience encompasses feasibility planning, design and engineering, technical leadership, construction engineering support, and startup operations for a wide variety of agricultural and municipal water and wastewater projects. He has served in lead design and supervisory roles on numerous projects, and is adept at working with intra-disciplinary teams. He has authored feasibility memos and reports, and has performed detailed engineering and design for raw, treated, storm, and waste water pump stations, chemical treatment systems, trash racks, fish screens, and other process equipment. Specialty areas of design include conventional and injection/extraction well equipping, pump stations, chlorination and fluoridation treatment, aeration treatment, vacuum pump assisted siphons, sediment suspension systems, solids handling, and various other aspects of water treatment and conveyance. He has also provided startup assistance through troubleshooting and diagnosing operational issues for multiple projects.

Pump Station Condition Assessment, Rehabilitation Study, & Performance Evaluations, Alameda County Flood Control & Water Conservation District – Alameda County, CA | Mr. Gosse provided QA/QC review in charge of assessing the mechanical condition and proposed improvements of 24 storm water flood control pump stations. His project responsibilities include QA/QC of: in-field pump condition inspection, pump performance evaluations, equipment criticality assessment, capital improvement recommendations, prioritizing capital improvements and determining life cycle costs. This $2.8 million-dollar project includes delivering pump station assessment final report. H&H models are developed to determine the flood risk and 100-year pump station capacities.

Sacramento County Water Agency, D02, D09, D45, & D01 Storm Drain Pump Station Modifications – Sacramento, CA | For pump stations D02 & D09, Mr. Gosse supervised the mechanical, structural, and architectural aspects for new buildings and mechanical upgrades for two stormwater pump stations in residential areas of Sacramento County. He designed mechanical upgrades for the facilities which included replacement trashrack equipment, electric actuator retrofits to the gates, and building ventilation. Earlier in the project, Mr. Gosse provided a pump alternatives analysis for potential pump upgrades, the findings of which included improved operations and reduced pump cycling simply by revising existing operating set-points. Construction at both the D02 and D09 stormwater pump station facilities has recently been completed. The D45 and D01 pump stations are currently in final design, for which Mr. Gosse has engineered improvements to debris conveyance and low flow operations.

Redwood City Storm Drain Pump Station Assessments – Redwood City, CA | Mr. Gosse performed conditions assessments for multiple storm water pumps stations throughout the City's storm system infrastructure. Pre-work prior to site visits involved the development of checklist and rating categories which included items such as pavement, fencing/security, structures, pumps/piping/motors, and generator. Assessments also included interviewing operations staff regarding pump cycling/overcycling, debris handling, maintenance access, safety concerns, and other operator needs. The sites were also reviewed for feasibility to perform construction work to update each facility.

University of California, Davis Booster Pump Station – Davis, CA | Mr. Gosse served as lead mechanical engineer for the University's new three-pump, 2,350 gpm potable surface water booster pump station. Design consists of three vertical turbine pumps in pressurized and vented suction cans housed in a forced air ventilated masonry block building. Provided the controls and set-points for regulating flow output amongst the different and varying potable water and utility water pressure loops and simultaneously satisfy the University's requirement for fulfilling a predetermined daily ordered water volume.

Karrie Mosca, PE | Site Civil | Wood Rodgers, Inc.



Ms. Mosca has 24 years of experience in civil engineering; planning and design of private master planned communities; major and minor subdivisions; and public roadway and infrastructure projects. She has been Instrumental in facilitating communication and coordination between fellow project design professionals, the project clients, and jurisdictional representatives in order to provide a smooth and productive journey through the development process. She is known for her dedication and loyalty to her clientele and projects providing quality design and management skills that have led to the successful completion of over 30 projects throughout the bay area and the construction of more than 2,000 single family residential homes.

Albion Road – San Ramon, CA | Project Engineer for the design and preparation of final PS&E for Albion Road Rehabilitation. Albion Road was experiencing excessive heaving and settlement between Ashbrook Lane and Silva Way. A field survey was completed to determine the extent and severity of the pavement distress along Albion Way. Several rehabilitation options were investigated and reviewed with City staff. Final construction plans were then prepared which included pavement reconstruction and overlays, and the replacement of damaged curb, gutter, and ADA ramps.

City of San Ramon On-call Surveying and Engineering – San Ramon, CA | Ms. Mosca is currently serving as the Project Manager for the City of San Ramon to perform surveying and miscellaneous civil engineering consulting services. The services will be on an "as needed" basis and the scope of the services will be determined when such services are requested on a task basis. The work generally consists of providing surveying and miscellaneous civil engineering consulting services routinely needed for public works projects. The work includes miscellaneous minor civil engineering design and drafting, plan-checking, the preparation of construction plans and specifications, site surveying, and construction staking. The work will also include traffic engineering services.

Shady Willow Lane & Empire Avenue Projects – Brentwood, CA | Shady Will Lane and Empire Avenue area two arterial roadways located in the northwest area of the City of Brentwood. Shady Willow Lane extends from Lone Tree Way along the City's northern boundary to Sand Creek Road and is approximately 1.3 miles in length. Empire Avenue is approximately 3.5 miles in length and begins in the City of Oakley to the north, extending south to its terminus at Shady Willow Lane in the City of Brentwood. Ms. Mosca prepared construction documents including detailed cost and bond estimates for the construction of one-half mile of Shady Willow Lane between the East Bay Municipal Water District Right of Way (EBMUD) and Sand Creek and the southerly 2,000 linear feet of Empire Avenue from EBMUD to the intersection at Shady Willow Lane. The project included a bridge over Sand Creek, a concrete slab over EBMUD at Empire Avenue, three new traffic signals and an at grade pedestrian traffic signal at Sand Creek and Shady Willow Lane.

Sand Creek Road – Brentwood, CA | Sand Creek Road is a major east-west arterial roadway in the City of Brentwood connecting the Highway 4 Bypass on the east to Brentwood Blvd (Hwy 4) on the west. It is approximately 2.5 miles in length. Ms. Mosca, while with another firm, prepared plans, specifications and estimates for the construction of 1 mile of the central portion of this roadway from Linden Street on the west to the Union Pacific Railroad on the east. The project included the widening of an existing box culvert over Sand Creek Road at Fairview Avenue, and two pedestrian/bike trail undercrossings to connect to the City's Sand Creek and Marsh Creek Trail Systems. A new traffic signal at Minnesota Avenue and a traffic signal modification at Fairview Avenue were also a part of the project. The original roadway project was completed for the City of Brentwood.

Luke Philbert, EIT | Utilities Research | Wood Rodgers, Inc.



Mr. Philbert is a Project Engineer with several years of experience in water, wastewater, and recycled water projects. His project experience covers a wide range of assignments in planning, design, and project management, including: infiltration/inflow studies, hydraulic modeling, funding support, regulatory compliance, feasibility studies, plans and specifications, and construction management.

Integrated Water Resources Master Plan – Beverly Hills, CA | Mr. Philbert is the Project Engineer for this project to provide engineering services for the development of an Integrated Water Resources Master Plan for the City of Beverly Hills. His responsibilities include updating the sewer and storm drain GIS database, developing and calibrating a sewer system hydraulic model, system analysis, master plan preparation and capital improvement development.

EDM 1 and EDM 2 Water Main Relocations – El Dorado Irrigation District, CA | Project Engineer. As part of the Caltrans Camino Safety Improvement Project, Wood Rodgers is providing design services to relocate approximately 1,200 feet of 30" and 1,000 feet of 36" AWWA C303 concrete cylinder pipe outside of the roadway improvement limits. The project, which has an accelerated schedule, requires coordination with the EID as well as Caltrans to ensure all stakeholder requirements are met.

CHP Campus Water System Study – CA | Project Engineer. Responsible for the development and calibration of a hydraulic model for the water distribution system at the CHP Academy Sacramento Campus. The hydraulic model was developed using the Innovyze InfoWater modeling platform. The model was analyzed under existing and future demand conditions to identify deficiencies, and size new infrastructure based on a 3 phase approach accepted by the CHP.

Creek Crossing Inspection Project – Sacramento County, CA | Project Engineer for engineering services to identify locations where an existing water pipeline was exposed, or was at risk for damage, at the approximately 200 locations where their transmission or distribution pipelines cross a creek/channel within the District's 36 square mile service area. A summary technical memorandum was prepared, identifying the overall inspection process, documenting the general site conditions, and identifying any urgent or immediate activities that should be addressed.

Water Demand Factor Study – Ventura, CA | Project Engineer. Evaluated and analyzed six years of water billing records to develop new water demand factor classifications and demand factors. This project resulted in the development of over 25 unique demand factor classifications and a detailed report documenting the analysis.

Wellhead and Tank Plans and Specifications – Guadalupe, CA | Assistant Engineer. Updated construction specifications for the Obispo Street Water Storage Tank No. 2 and DJ Farms Well. Topics include coatings and cathodic protection, protecting underground utilities, leakage and infiltration, disinfection, and SCADA. Specifications include descriptions, submittals, materials, and execution.

Water Demand Factor Study – Ventura, CA | Project Engineer. Evaluated and analyzed six years of water billing records to develop new water demand factor classifications and demand factors. This project resulted in the development of over 25 unique demand factor classifications and a detailed report documenting the analysis.

Creek Crossing Inspection Project – Sacramento County, CA | Project Engineer for engineering services to identify locations where an existing water pipeline was exposed, or was at risk for damage, at the approximately 200 locations where their transmission or distribution pipelines cross a creek/channel within the District's 36 square mile service area. A summary technical memorandum was prepared, identifying the overall inspection process, documenting the general site conditions, and identifying any urgent or immediate activities that should be addressed.

Ryan Sexton, PLS | Surveying + Mapping |

Wood Rodgers, Inc.



Mr. Sexton is a licensed Land Surveyor in the State of California and has 18 years of experience in the geospatial disciplines including land surveying, GIS, remote sensing, cartography and related fields. A Bachelor of Science and a Masters of Arts from the Geography Department at the University of California at Santa Barbara provide the foundation for his career. Mr. Sexton has worked on a variety of projects in the private sector for clients like Apple, Google, and Tesla; as well as public agencies including the cities of San Francisco, Mountain View, Redwood City, San Jose, EBMUD, CalWater, and many others. Mr. Sexton has extensive experience in all aspects of surveying both in the field and office.

Santa Clara Valley Water District On-Call Surveying and Mapping Services – Santa Clara, CA | Mr. Sexton was part of the team that provided surveying and mapping services to the District for maintenance of their extensive vertical control network. SCVWD maintains hundreds of benchmarks throughout Santa Clara Valley for public benefit as well as compliance with the National Flood Insurance Program. Each monument must be validated on a 5 year cycle and Mr. Sexton coordinated efforts with field crews and the District to run digital levels throughout the network. Mr. Sexton also played a key role in mapping cross sections of various streams and channels for use in hydrologic modeling.

Alameda County Water District Reservoir Monitoring – Alameda, CA | Mr. Sexton managed the monitoring of five reservoir structures used by ACWD for storage of drinking water as required by the Division of Safety of Dams. Offsite and onsite control is utilized to monitor the movement or settling of each structure over the life of the facility. Mr. Sexton directed field crews to complete the monitoring, process and checked the data and then compiled the data in the required format.

City and County of San Francisco On-Call Surveying and Mapping Services – San Francisco, CA | Mr. Sexton played a key role in several survey and mapping projects in San Francisco. The projects were all initiated through the Bureau of Street-Use and Mapping for various public agencies in San Francisco. Specifically, Mr. Sexton led Phase 2 of the Westside Recycled Water Project which included supplemental topographic surveying of 6 miles of roadways in San Francisco along Oak Street, through Golden Gate Park, and areas directly north and south of the park. The supplemental survey included identification of surface utilities within the roadways, trees, curbs and other hard scape features obscured by trees from the Phase 1 aerial survey. All aspects of the project were managed by Mr. Sexton. This included project control, survey crew scheduling, QA/QC, adhering to SF AutoCAD standards, frequent communication with the client, field data documentation including field notes, photos, sewer/storm pipe invert information and coordination with a local sub consultant (KCA Engineers) to complete the project.

On-Call Surveying, City and County of San Francisco, CA | Mr. Sexton managed various topographic and boundary surveys for the Bureau of Street-Use and Mapping in the Department of Public Works. The Westside Recycling project in particular covered approximately five miles of city streets near Golden Gate Park.

Tom Bloomer | Tank Design | Richard Brady & Associates, Inc.



Mr. Bloomer has worked with many of the surrounding Water Agencies, including Dublin San Ramon Services District, City of Pleasanton, San Francisco PUC, East Bay MUD, Contra Costa Water District, City of San Jose, San Jose Water Company, and the City of Brentwood. This includes the design or assessment of over 60 tanks in the Bay Area with a total capacity of greater than 200 million-gallons. This expertise, knowledge of the region and BRADY's experience will support the structural design aspects related to the tank. Mr. Bloomer is a voting member for tank design standards, including AWWA D110, AWWA D108 and ACI 350, which will ensure a seismically resilient tank structure is achieved.

For DSRSD's Reservoir 20B project, Mr. Bloomer will perform QA/QC of the drawings and calculations, as well as support Wood Rodgers in the development of a preliminary design report which will identify the best tank material at the preferred site.

580,000 G Vista Tank, Town of Hillsborough, CA | Engineering Manager. A 580,000 circular, prestressed concrete potable water tank was selected by the Town to replace an existing steel tank that had reached the end of its service life. The new tank was designed in conformance with AWWA D110, ACI 350, and the California Building Code. The tank is partially backfilled and has a clear span concrete dome. The dimensions of the tank are approximately 69 foot inside wall diameter and 24.33-foot wall height. Engineer of Record, responsible for the development of the preliminary design for the project, which included optimal dimensions, addressing differential settlement at the site, construction estimates, specifications, and minimum dimensions for key structural elements. Provided feedback on constructability items throughout the design phase as well as during construction, where he reviewed shop drawings prior to their submittal.

3.0 MG "10B" Tank, 1.2 MG "RES 200B" Tank, and 1.7 MG "RES 300B" Tank, Dublin San Ramon Services District, CA | Regional Manager. All three of the tanks are designed in conformance with AWWA D110, ACI 350, and the California Building Code. Tanks 200B and 300B are backfilled near the top of the wall, and Tank 10B has soil on the roof and offers a park like setting for the community. Responsible for various aspects of each project, ranging from project design criteria development, budget information to technical shop drawings, and calculations. He served as the Regional Manager for all three projects, working alongside the District's consultant and selected contractors.

500,000 G Alta Vista Tank #2, (Montara Water and Sanitary District), Montara, CA | Engineering Manager. A 500,000 circular, prestressed concrete potable water tank was selected by the District to replace an existing steel tank that had reached the end of its usable life. The new tank was designed in conformance with AWWA D110, ACI 350, and the CA Building Code. The tank is partially backfilled to reduce visibility to the surrounding community and meet coastal commission requirements. The dimensions of the tank are approximately 60 foot inside wall diameter and 25-foot wall height. Responsible for managing the development of the preliminary design for the project, which included optimal dimensions, construction estimates, specifications, and minimum dimensions for key structural elements. Provided QA/QC and feedback on constructability throughout the design phase as well as during construction, where he reviewed shop drawings prior to their submittal.

900,000 G California Tank, Redwood City, CA | Principal Engineer. A 900,000 circular, prestressed concrete potable water tank was selected by the City to replace an existing steel tank that had reached the end of its service life. The new tank was designed in conformance with AWWA D110, ACI 350, and the California Building Code. The tank is partially backfilled and has a clear span concrete dome. The dimensions of the tank are approximately 80 foot inside wall diameter and 23-foot wall height. Responsible for providing third party reviews of RFIs and training for City staff to perform inspections/observations during construction.

Karl Kuebitz| Tank Design | Richard Brady & Associates, Inc.



Mr. Karl Kuebitz, also worked with many of the surrounding Water Agencies, including Dublin San Ramon Services District, City of Pleasanton, San Francisco PUC, East Bay MUD, Contra Costa Water District, City of San Jose, San Jose Water Company, and the City of Brentwood. He has worked on the design or assessment of over 60 tanks in the Bay Area with a total capacity of greater than 200 million-gallons. This expertise, knowledge of the region and BRADY's experience will support the structural design aspects related to the tank. Mr. Kuebitz is also a voting member for tank design standards, including AWWA D110, AWWA D108 and ACI 350, which will ensure a seismically resilient tank structure is achieved.

For DSRSD's Reservoir 20B project, Mr. Kuebitz will sign and stamp the structural drawings for the new 20B Reservoir as well as support Wood Rodgers in the development of a preliminary design report which will identify the best tank material at the preferred site.

1.2 MG Dougherty Valley Reservoir 200B, San Ramon, CA | Engineer of Record. Led the design effort and sealed the structural design for the 1.2MG 200B Reservoir for the Dublin San Ramon Services District. Designed the monolithic floor slab integral with the wall footing. Designed the biaxially prestressed wall including the machine-wrapped circumferential prestressing and the vertical high-strength bar post-tensioning. Coordinated all access and appurtenances per DSRSD requirements.

4MG Vineyard Reservoir, Brentwood, CA | Engineer of Record. Performed the full structural design and project design coordination for the prestressed concrete tank per AWWA D110. This design included a differential backfill of 30-feet of the tank structure between the high and low sides of the structure. This stark differential backfill around the tank necessitated both static and seismic design features to assure that the stability of the lifeline structure.

Two 2.75 MG Reservoirs, San Jose, CA | Engineer of Record. Performed the structural design and project design coordination for two reservoirs, constructed simultaneously. Design of these reservoirs included all design compliance inspections, formwork, and shoring design for the elevated concrete slab.

Two 3.4 MG Reservoirs, Mountain House, CA | Engineer of Record. Performed the structural design of the tanks and coordination with a new pump station, yard piping, and distribution system.

1.0 MG Carisbrook Reservoirs, EBMUD, Oakland, CA | Engineer of Record. Participated in the design development as well as the final design for the reservoir structure to fit into EBMUD's unique and detailed masterplan.

Two 3.5 MG Kensington San Pablo Reservoirs, EBMUD, Oakland, CA | Engineer of Record. Performed the structural design of the reservoirs for a unique EBMUD project which included a detailed buoyancy calculation to resist hydrostatic uplift during a combined high-groundwater, empty tank event.

2 MG Cement Hill Reservoir, Suisin City, CA | Engineer of Record. Performed the structural design for the reservoir structure including a prestressed free-span concrete dome. The dome design considered the static outward thrust from the dome angle and its compensation with high-strength prestressed steel. Also, the design of the spherical dome shell shoring with extremely tight tolerances

Jennifer Haddow, PhD, MSc, AIEMA | Environmental |

Rincon Consultants, Inc.



Dr. Jennifer Haddow is an environmental scientist with over 16 years of professional experience in the field of environmental science and assessment. She has prepared and coordinated all levels of environmental documentation for infrastructure projects with an emphasis on water supply, conveyance and quality projects, as well as watershed planning studies. Her philosophy is to provide excellent, "no-surprises" consultancy advice and expertise to her clients and uses her strong project leadership skills and exceptional QA/QC guidance to achieve this goal.

Dr. Haddow currently manages Rincon's Environmental On-Call Contract with the Metropolitan Water District of Southern California (Metropolitan) and has served as project manager on a number of projects under the contract. In addition, she has managed or served as the Principal-in-Charge for the environmental documentation/compliance processes for a number of Rincon's water-related clients, including San Lorenzo Valley Water District, Monterey Peninsula Water Management District, Water Replenishment District of Southern California, West Basin Municipal Water District, United Water Conservation District, Coachella Valley Water District, Montecito Water District, Casitas Municipal Water District, City of Ventura, City of San Luis Obispo, City of Thousand Oaks, South San Luis Obispo County Sanitation District, Carpinteria Valley Water District and Las Virgenes Municipal Water District. Specific experience includes:

Principal-in-Charge, Metropolitan Water District of Southern California - Environmental Services On-Call, including:

1. Palos Verdes Reservoir Upgrade Project CEQA Documentation, Los Angeles County
2. Santa Ana River Bridge Seismic Retrofit and Routine Maintenance Project, Riverside County
3. Jensen WTP 1 MW Solar Project CEQA Documentation, Los Angeles County
4. Prestressed Concrete Cylinder Pipe Rehabilitation Program CEQA Documentation and Construction Compliance, Los Angeles, Orange, and San Bernardino Counties
5. Project Manager/Principal-in-Charge, City of San Luis Obispo - Water Resource Recovery Facility Upgrades Project CEQA-Plus Documentation and Permitting, San Luis Obispo County
6. Principal-in-Charge, Monterey Peninsula Water Management District – Potential Acquisition of Monterey Water Supply and District Boundary Adjustment CEQA Documentation, Monterey County
7. Principal-in-Charge, San Lorenzo Valley Water District – Swim Tank Project and Five Water Pipelines Project IS-MND and USDA Funding Documentation, Santa Cruz County
8. Principal-in-Charge, City of Pismo Beach - Central Coast Blue CEQA-Plus Documentation and Regulatory Permitting, San Luis Obispo County
9. Principal-in-Charge, United Water Conservation District - Environmental Services On-Call, Ventura County
10. Principal-in-Charge, Casitas Municipal Water District - Environmental Services On-Call, Ventura County

Darcy Kremin, AICP | Environmental Planning Practice Leader – CEQA Project Manager | Rincon Consultants, Inc.



Darcy Kremin has over 20 years of planning and CEQA and NEPA experience for nonprofit, private, and public sector clients. Ms. Kremin has managed large projects for public utilities, including water and energy transmission, and dozens of development projects for cities and counties. She also has experience with various public and charter school projects. She is well known for creative solutions to achieve CEQA compliance. Select project experience is listed below.

1. CEQA Manager, City of Calistoga – Recycled Water Storage Pond Expansion Project, Napa County
2. CEQA Manager, City of Calistoga – Kimball Reservoir Rehabilitation, Napa County
3. Project Manager, East Bay Municipal Utility District – Summit Reservoir Replacement Project, Berkeley, California
4. Project Manager, East Bay Municipal Utility District – Recoat Mokelumne Aqueduct Phase 8, Contra Costa County, California
5. Project Manager, San Francisco Public Utilities Commission – Lower Crystal Springs Dam Improvements Project EIR, San Mateo County, California
6. Deputy Project Manager, San Francisco Public Utilities Commission – Bay Division Pipeline Reliability Upgrade EIR, Alameda and San Mateo Counties, California

Craig Lawrence, MS | Senior Biologist/Regulatory Specialist – Biological Resources | Rincon Consultants, Inc.



Craig Lawrence has over 20 years of experience managing and conducting comprehensive environmental and biological studies on large-scale infrastructure projects throughout the San Francisco Bay Area and across California. His experience includes conducting environmental constraints analyses; performing baseline natural resource surveys; assessing impacts to sensitive biological resources; regulatory agency negotiations and permitting for federal and state endangered species, wetlands, and water quality permits; Storm Water Pollution Prevention Plan and environmental compliance management during construction; and developing appropriate mitigation for unavoidable project-related impacts. Select project experience is listed below.

1. Environmental Compliance Manager, Caltrans District 4 - On-Call Environmental Services, Highway 101 HOV Widening Projects, Sonoma County
2. Technical Lead/Biologist, County of Sonoma – Rezone Sites for Housing Project, Sonoma County
3. Senior Biologist/ Regulatory Compliance Specialist - OES Spill Site Regulatory Permitting Project, Sonoma County
4. Technical Lead/Biologist, City of Sonoma – MacArthur Place Hotel and Spa Improvement Project IS/MND, Sonoma County
5. Senior Biologist, City of Santa Rosa - Sonoma Recess Storage Project, Sonoma County
6. Technical Lead/Biologist - Santa Rosa City Farms California Tiger Salamander Survey, Sonoma County
7. Biologist and Regulatory Compliance Specialist - Port of Oakland Pump House 4 and Pump House 6 Replacement Project, Alameda County
8. Technical Lead/Biologist - Vista Del Mar and Mare Island H-1 Landfill Biological Assessments, Contra Costa and Solano Counties
9. Clean Water Act Permitting; Various Locations, California

Hannah Haas, MA, RPA | Senior Archaeologist – Archeological Resources Lead | Rincon Consultants, Inc.



Hannah Haas is responsible for performing archaeological and cultural resources survey, archaeological testing and monitoring, and the preparation of technical reports. Ms. Haas has over five years of experience working in cultural resources management conducting projects in compliance with CEQA, Section 106 of the National Historic Preservation Act, and NEPA. She has worked on more than 130 projects and served as lead author of more than 90 cultural resources technical reports. Ms. Haas uses her academic training and professional experience to ensure that all cultural resources components of projects are satisfactorily conducted. Select project experience is listed below.

1. Lead Archaeologist, San Lorenzo Valley Water District - Swim Tank Project and Five Water Pipelines Project IS-MND and USDA Funding Documentation, Santa Cruz County
2. Archaeologist, City of Milpitas – Milpitas Recycled Water Pipeline Project, Santa Clara County
3. Archaeologist, City of Pismo Beach – Central Coast Blue CEQA-Plus EIR, San Luis Obispo County
4. Cultural Resources Specialist and Report Author, Brannan-Andrus Levee Maintenance District - Levee Repair Project, Sacramento County
5. Cultural Resources Specialist, City of Novato - Environmental Impact Report for the City of Novato General Plan Update, Marin County
6. Cultural Resource Specialist - Environmental Impact Report for the Bay Fair BART Transit Oriented Development Specific Plan, Alameda County

Diep Nguyen, PE | Electrical + Instrumentation | DTN Engineers, Inc.

Diep T. Nguyen, PE, is a Principal Engineer at DTN Engineers, Inc. He holds BSEE and MSEE degrees both in power system engineering from SFSU and SCU respectively. As a licensed professional engineer (PE) in electrical, control systems and fire protection engineering disciplines in California and six other States, he has over 44 years of practical, hands-on experience in the electrical power system design and construction of small and large wastewater and water treatment facilities. Diep is an active life senior member of IEEE, ISA, NFPA and is certified as a Certified Cogeneration Professional (CPP), Distributed Generation Certified Professional (DGCP) and Chartered Legend in Energy by the National Association of Energy Engineers. He also holds California General Contractor License and Electrical Contractor License.

For this specific DSRSD Reservoir 20B, Diep Nguyen, DTN Engineers has various insights which would be beneficial to the project as follows:

1. He has recently worked with DSRSD electrical staff and know what these staff desire when it comes to electrical/control standardization.
2. In the on-going DSRSD Reservoir 10A project, he was given a rare exception from a local PG&E Planner that DSRSD has the electrical capability to feed its remote facility from a nearest pump station within DSRSD easement, and thus Diep would like to explore the feasibility of having a possible nearest pump station to electrically feed Reservoir 20B, and thus will save the District charges from PG&E, and most importantly to also avoid service delays which are normally caused by PG&E because of Covid 19's impacts.
3. He has collaborated as Prime Consultant with Eaton Engineering Services in performing successfully short circuit and arc flash studies for DSRSD eight remote pump stations. And thus Diep fully understands the importance of safety for DSRSD staff who maintain and operate the electrical equipment on daily basis. Diep's design puts safety as the number one and top criterium.

DSRSD Export PS- Cable Replacement Project and MCC Replacement Project and Reservoir 10A Interim Power Project | Completed electrical/I&C design for these projects. Project featured power and controls of 2300V medium voltage MCCs with six 500 hp pumps and four 600 hp pumps. Included were modifications of existing PLC system to optimize controls of these large pumps with added protection.

SFPUC Groundwater Supply Project Phase 1 and Phase 2 | Completed electrical/I&C design and construction services for this $25M facility featuring 480V power system and SCADA PLC based systems to fully automate pumping system to supplement drinking water to SF residents.

SFPUC Channel Street Pump Station Improvements | Completed electrical/I&C construction support service for this large pump station with five 600hp pumps driven with medium voltage, clean-power VFDs and with complete SCADA system for fully process automation

LLNL | Provided electrical engineering services in several major MCCs and 12kV substations replacement.

CCCSD Pump Stations | Lower Orinda and San Ramon Pump Station Upgrade, Acacia Pump Station Upgrade. Services include electrical/I&C design and construction services. Each station has a backup diesel generator, a SCADA node and separate video camera system linked to main Headquater..

Santa Cruz Water Pollution Control Plant | Completed design and construction support services for this facility with 15kV service, 2MW standby power generator.

Waste Management Landfills | Completed various electrical design as well as construction support for projects located in WM California (Livermore, Kettleman, Oakland) and Arizona (Gray Wolf, Butterfield, Phoenix). Projects include normal 480V power and 15 kV overhead distribution system as well as PV solar system and standby emergency generators.

EBMUD Main Wastewater Treatment Plant | Completed the design and construction of a $15M recycled water facility with DCS and 750kW standby power generator.

Bob Morrison, PE, MBA, RE Broker | ROW + Acquisitions | Monument



When Bob isn't noodling an innovative delivery strategy for his clients, he is sailing the waters of Lake Tahoe. A baseball enthusiast, he enjoys ball games with his boys and travel abroad. Bob is a co-founder of Monument and he embodies our Company motto. . . we listen, we innovate, we deliver.

Bob has extensive project management experience which spans over almost thirty years in both the public and private sectors. Bob is an engineer, our corporate broker and a right-of-way genius. Bob even has a stint at Caltrans where he was first exposed to right-of-way. All of this experience has given Bob a keen understanding of the entire project development process in which he is well versed on all aspects of right-of-way and has a unique ability to leverage this experience to provide his clients with viable, innovative and effective solutions.

Prior to joining Monument, Bob served at Caltrans for 10 years in various capacities including civil design, structural design and program management where he gained a strong understanding of funding program requirements, project implementation and all facets of the program execution. Bob left the world of Caltrans and jumped into right-of-way. He quickly became an owner and President of Bender Rosenthal, Inc., a full-services right of way company, where he was responsible for project management, client interface and staff development. As a registered Civil Engineer, Bob's complete understanding of the project development process allows him to better streamline project delivery through proper planning, cost saving and time saving measures, and risk mitigation strategies.

Bob is also extremely knowledgeable in the Uniform Act as well as implementing programs in accordance with FHWA, FTA, state the laws, regulations and policies; and the Caltrans R/W Manual. His embodies the qualities of a highly effective project management through his proactive communication, strategy-focused and results-driven approach.

California High Speed Rail, Fresno, CA | Bob and other Monument staff were responsible for project execution including scope definition, cost analysis, schedule development and delivery of over 1,500 appraisals, appraisal reviews, 120 property acquisitions and relocations, and over 60 eminent domain submittal packages. Major right-of-way was required for the project and the Monument team members were responsible for negotiating with property owners and coordinating with the contractor, Caltrans District 6, High Speed Rail staff, and Department of General Services.

The right-of-way process for the HSR was initially bogged down in bureaucracy. Many of the state agencies involved in the right-of-way process were not prepared for the amount of parcels and approvals necessary to acquire the right-of-way. Bob was instrumental in defining the process, and working with each of the agencies to streamline their approvals. As the project advanced, Bob was instrumental in developing the project priorities and working with HSR management to push for most expedited delivery. Some of the delivery tools used to expedite the delivery included issuing a Notice of Decision to Acquire early in the right-of-way process.

SR 4 Extension Project, San Joaquin Council of Governments, CA | This project included major District 10 coordination. As Principal in Charge, Bob was instrumental in developing a right of way delivery program with SJCOG in partnership with Caltrans. This consisted of an integrated team of consultants and Caltrans staff to deliver the right of way as one team. Bob developed the project Charter that clearly outlined who was responsible for what and who the key stakeholders were in the process.

Macy Tong, GE | Geotechnical Engineer | ENGEO



Macy will be ENGEO's Principal Reviewer for the geotechnical work on the project. Macy is uniquely qualified to work on this project as she managed the geotechnical work for the DSRSD Reservoir 20B site, Site A. Her knowledge of Site A, and significant experience with hillside developments in the Dublin and San Ramon area, will be very beneficial to the project being successful.

Macy joined ENGEO in 1985 and is a geotechnical project manager for large-scale hillside projects, school sites, reservoir and tank sites, transportation systems, and commercial and industrial construction. She specializes in slope stability analysis in large-scale hillside development; deep fill settlement/swelling analyses; mechanically stabilized earth system design; soil nail wall design; liquefaction evaluation techniques and new mitigation methods; soft soil consolidation analyses and cost-effective mitigation schemes.

Select Project Experience Within Dublin Includes:

- DSRSD Reservoir 20B
- Tassajara Hills
- Jordan Ranch
- Fallon Village
- Enclave

Jonathan Boland, GE, QSD | Geotechnical Engineer | ENGEO



Jon will be ENGEO's Project Manager for the geotechnical work on the project. Jon will develop and oversee the geotechnical field exploration, develop the laboratory testing program, analyze the data, and prepare the geotechnical reports.

Jon works directly with public agencies, developers, and land owners, providing geotechnical consulting, project management, and quality assurance materials testing for residential communities, hospitals, schools, water storage, levees and other public works projects throughout northern California and western Nevada. Jon has extensive experience with managing and coordinating field testing operations during mass grading activities, underground utility construction, and asphalt concrete paving in accordance with local and state specifications. He has performed analysis of levee embankments for seepage and stability and has prepared design recommendations for deep pile foundation systems including vertical pile capacity, lateral pile deflection analysis, consideration for pile groups, and long term settlement potential.

Select Project Experience Includes:

- River Pines PUD
- Hood Water Storage Site
- Greenwood Reservoir WTP and Treated Water Mains—Georgetown, CA

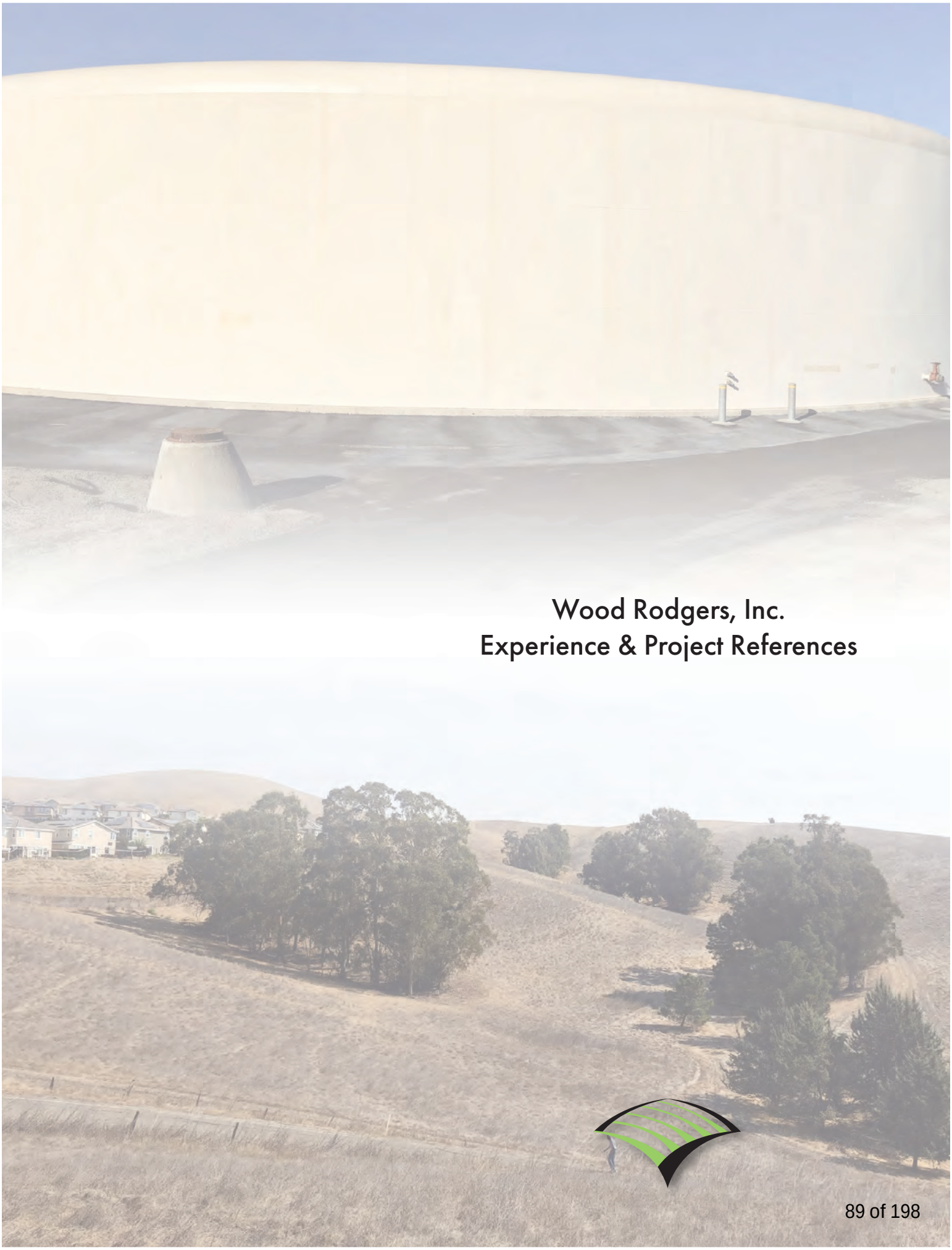
Jose Dominguez | Potholing | EXARO Technologies Corporation



Mr. Dominguez brings over 27 years of extensive experience in construction services, cathodic protection, utility locating and with a heavy focus on project design support. His diverse construction experience includes Cathodic Protection, Underground Utility Locating by Electronic Detection, Ground Penetrating Radar, and Vacuum Excavation, GPS, Concrete Rebar Scanning, Service Termination Support, Gas Leak Detection/Repairs, Water Leak Detection, CCTV Inspections, Pipe Bursting (Expandit), Directional Drilling, Certified in Plastic Fusion Welding, Confined-Space Entry, Internal Pipe Sealing (AMEX-10/WEKO-SEAL).

Mr. Dominguez has worked and overseen large projects with the Peninsula Corridor Joint Power Board (PCJPB) Right-Away, Union Pacific Rail Road Right-Away, BART Right-Away, NASA Ames Research Center, PG&E Plant Terminals, MMWD, CCCSD and JDH Corrosion.

1. PG&E Centerline Project
2. PG&E Potholing on the Jail Line pipeline (City of San Francisco)
3. BART Earthquake Safety program - Various projects through out the bay area on Aerials Tracks, Stations, Yard & Shops for clients: HDR Engineering, Washington Group Int'l, Parsons, Chaudhary & Associates, DMJM, Structus, BKF Engineers & Biggs Cardosa
4. Grade Separation Project - HNTB Corporation Project in San Bruno CA. Potholing on the Joint Powers Board (Caltrain) Right-Away.
5. Bridge Footings - Niles Canyon Rosewarnes Rte.84 Project - California Department of Transportation Projects in the City of Fremont, CA
6. Bay Bridge Project - California Department of Transportation Projects in San Francisco/ Oakland.
7. Marin Municipal Water District Corrosion Test Station Rehabilitation Project - MMWD
8. Lawrence Berkeley National Laboratory Storm Drain Project - YEI Engineers, Inc. Project in Berkeley, CA.
9. PG&E Gas Leaks Repair Project - San Francisco, CA
10. Vacuum Excavation (potholing) on Sunnyvale-Saratoga Road Bicycle and Pedestrian Safety Improvements – Sunnyvale, CA
11. Electronic Detection and Ground Penetrating Radar (GPR) on the Pond 20 & Pond 9 – Cupertino, CA
12. Vacuum excavation on Pavement Section Reconstruction Project – Santa Clara, CA



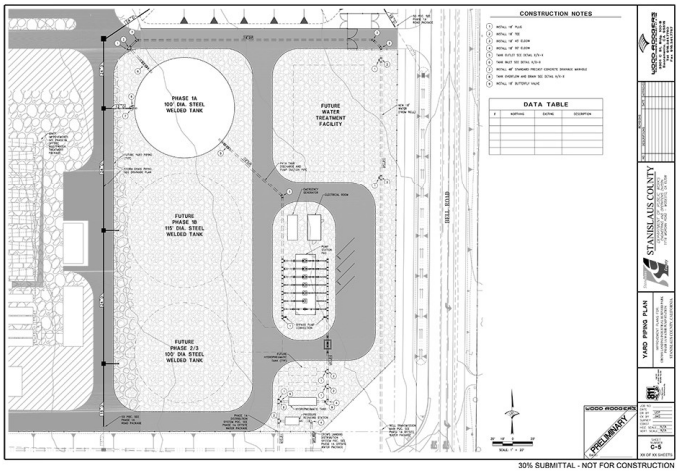
Wood Rodgers, Inc.
Experience & Project References

PRIME CONSULTANT | WOOD RODGERS, INC.

For over 20 years, Wood Rodgers has been providing full-service civil engineering and surveying services for public agencies throughout California, taking projects from concept through construction. In that time, Wood Rodgers has developed a highly capable water resources practice with a focus on potable water systems, wastewater systems, flood control and groundwater development. This practice has taken on the planning and design of potable water facilities, including wells, pump stations, tanks, reservoirs, flow/pressure control facilities, treatment plants and pipelines throughout the state of California. Wood Rodgers has recently expanded its water resources capabilities by adding technical expertise in water system hydraulic modeling, system analysis, condition assessment, and master planning. Our in-house experts are seasoned professional engineers, with well-rounded experience in the analysis, planning and design of publicly-owned potable water systems. Our water resources practice is supported by other in-house disciplines, such as site civil/grading design, roadway design, traffic control, survey and mapping, permitting and environmental, landscape architecture, structural engineering and GIS, to provide our clients with access to expertise for all potential elements of a design project. Wood Rodgers is a California based corporation.

WOOD RODGERS, INC. | EXPERIENCE + PROJECT REFERENCE

Crows Landing Industrial Business Park | Stanislaus County, CA



Wood Rodgers is currently providing comprehensive services for the redevelopment and design for the infrastructure serving the first phases (Phases 1A and 1B) of this 1,528-acre site that features industrial, logistics, business park, public facilities, and airport uses. This project is a significant economic and job creation driver within Stanislaus County. The Crows Landing Industrial Business Park (CLIBP) Phase 1A infrastructure improvements are estimated at $35 million. The site is located on property that was previously utilized by the Federal Government for differing military and space programs. The site is located one mile from Interstate Highway 5. The initial Phase 1A improvements, encompassing approximately 200-acres of the project, will set the groundwork for the continued development of the business park. Two additional phases are anticipated following Phases 1A and 1B. The project anticipates bringing over 14,000 local jobs to the area.

Included in the project is the design of a multi-phased water pump station envisioned to supply water to a new industrial business park. The pump station, in its initial phase will house 5 pumps with a total capacity of 4200 gpm, with an onsite 1.2 million gallon welded steel reservoir and hydropnematic tank. To accommodate the planned growth of the business park, the pump station is designed with oversized pump cans for future pump upsize, as well as an additional can. Space planning for two additional (1.5 MG) welded steel tanks, as well as architectural treatments were incorporated into the design to blend the facility in with the community and the new economic hub.

Wood Rodgers value engineered the work completed by others for the Project's Specific Plan, and developed an approach to the infrastructure that is resulting in reduced overall construction, as well as operation and maintenance (O&M) costs. The benefit of our approach is the County is able to apply more financial resources where they are needed the most: attracting and securing tenants for the CLIBP to jump start the economic engine and job growth that will be this project's legacy. Phase 1A will be

constructed as part of this first eff ort to get the project up and operating as a viable economic driver within Stanislaus County. Construction is anticipated to begin in Spring 2021.

Dates | 6/2019 – ongoing **Design Fee |** $4 Million **Construction Fee |** $35 Million

Owner/Reference | Theron Roschen| Stanislaus County | 1716 Morgan Road, Modesto, CA 95358 | (209) 525-4194 | roschent@stancounty.com

California Conservation Corps Auburn Campus Water Tank | Auburn, CA

Wood Rodgers prepared Plans and Specifications for the demolition of an existing concrete water tank and construction of a new bolted steel tank with a capacity of 160,000 gallons. Wood Rodgers is currently providing construction administration services.



The tank is located on a steep hillside above the main campus and required a high degree of geotechnical analysis. Retaining walls up to 12-feet in height were included to accommodate the tank and provide sufficient maintenance area.

The tank is fed from a pump at the main campus and provides fire flow via gravity, due to its location 160-feet above the campus' structures. Additional aspects of the scope included preparing a water model and coordination with the State Fire Marshal to size the tank in accordance with rural area fire protection standards. Also included were replacement of existing, outdated SCADA systems to control filling and monitoring of the tank. Wood Rodgers was able to utilize the existing piping that ran to the original tank in order to reduce costs and minimize impacts to the environmentally sensitive hillside area.

The project is part of a larger replacement of the campus' dormitories and kitchen, and was moved forward to address fire protection during the larger project construction. Wood Rodgers also supported the DGS design team with storm drainage, stormwater treatment, and landscape design of the main campus improvements. The project is currently under construction and is expected to be complete in Summer 2020.

Dates | 1/2019 - 6/2020 **Design Fee |** $42,000 **Construction Fee |** $850,000

Owner/Reference | Joe Flores | CA Department of General Services | PO Box 989053, West Sacramento, CA 9579 | (916) 376-1726 | Joe.Flores@dgs.ca.gov

UC Davis Tank and Booster Pump Station | Davis, CA

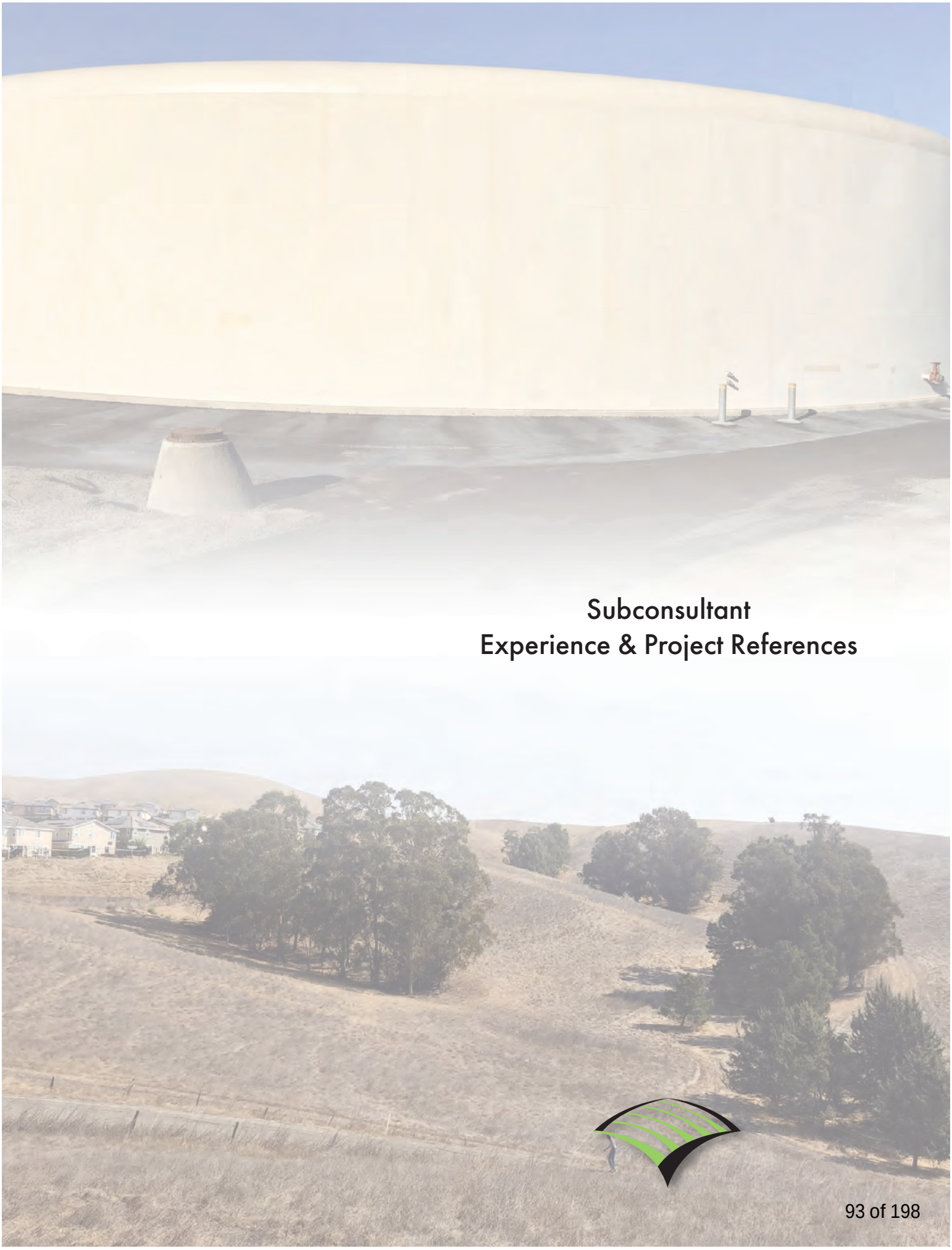
Design included a new 300,000 gallon welded steel water tank and 1,250 gpm booster pump station to serve a planned 4,000 residential community in the West Campus area; a 2.6 mgd sewer lift station; mechanical and electrical upgrades to the campus' main storm drain pump station; over five miles of sewer, water, and drainage piping; reconfiguration of existing overhead and underground telecom and electrical systems; and roadway improvements, including two multi-lane roundabouts.

Dates | 2011 **Design Fee |** $800,000 **Construction Fee |** $8 M

Owner/Reference | Ardie Dehghani | University of California Davis | 255 Cousteau Place, Davis, CA 95618 | (530) 754-1111| adehghani@ucdavis.edu

Additional Projects

Project Name	Capacity (MG)	Tank Type	Location
UC Davis Tank and Booster Pump Station	0.3	Welded Steel	Above-grade
Oselot Way Tank and Pump Station	5.0	Welded Steel	Above-grade
North Douglas Tank and Pump Station	Two @ 1.5 each	Welded Steel	Above-grade
Freeport Tank Structural Evaluation + Review	3.0	Cast-in-Place Concete	Above-grade
Placer Center Water Tank	0.17	Bolted Steel	Above-grade
CCC Auburn Campus Water Tank	0.2	Bolted Steel	Above-grade
Madera MD 10A Storage Tank & BPS Design	1.0	Bolted Steel	Above-grade
Spring Canyon Reservoir	1.9	Welded Steel	Above-grade
USC Thermal Energy Storage Tank	3.0	Pre-stressed Concrete	Buried
Santa Anita Reservoir	4.4	Cast-in-place Concrete	Partiall buried
Crows Landing Industrial Business Park	1.2	Welded Steel	Above-grade
Rosedale Pre-Stressed Concrete	Two @ 3.3 each	Pre-stressed Concrete	Buried
Rosedale Welded Steel	1.4	Welded Steel	Above-grade
Mojave Water Agency R3 Project	2.7	Welded Steel	Above-grade
LVVWD Frias Zone 2635	30.0	Cast-in-place Concrete	Partially buried



Subconsultant
Experience & Project References

SUBCONSULTANT | RICHARD BRADY & ASSOCIATES, INC.

With over 20 years in the water/wastewater industry, BRADY's team of 38 employees has extensive experience in the design and construction of pump stations, tanks/reservoirs, and pipelines. We have completed the design and construction management of numerous water storage tank projects, including one of the largest storage tanks in the World at 35 million-gallons.

BRADY is fully committed to the success of our clients, as demonstrated through our many award-winning projects in California. While our business has expanded over the years, our mission has remained the same: provide our clients with the highest level of customer service in the industry by performing beyond; beyond the norm, beyond expectations, and beyond industry standards.

PROJECT REFERENCES | RICHARD BRADY & ASSOCIATES, INC.

7.5 MG Prestressed Concrete Reservoir and Pump Station and Booster Pump Station | Upland, CA



Reservoir 15 is a 7.5MG water storage tank located in Upland, CA owned and operated by the City of Upland since the mid 1970's. Reservoir 15 is approximately 235 feet in diameter, 23.5 feet tall. Reservoir 15 is designed as a Pritzker tank system, an assemblage of vertical precast, prestressed concrete shell wall panels having an arched cross section. The vertical wall panels are restrained at the top and bottom by post-tensioned concrete ring beams. This system made headlines in 1998, when a Pritzker tank in Westminster, CA failed catastrophically after the bottom ring beam securing the vertical concrete panels failed.

Due to concern that Reservoir 15 could experience a similar failure, the City of Upland elected to temporarily strengthen the tank by installing steel strands along the exterior upper and lower areas of the tank. The City of Upland already had plans to construct a new reservoir adjacent to Reservoir 15 therefore a long-term solution was not paramount. The steel strands were 7-wire, 0.60" diameter hot-dipped galvanized strand rated for 250 ksi. Once the strands were installed at their respective locations and heights on the tank, they were stressed to their calculated design force through the use of a multi-strand hydraulic jack. As designed, the tensioned steel strands provide confinement for the vertical concrete panels.

Following the installation of the temporary structural improvements, BRADY's team prepared plans, specifications and estimates for the design of a new 7.5 MG circular, prestressed concrete tank and pump station improvements. The new tank is designed in accordance with California Building Code, ASCE 7, AWWA D110 - Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks, and ACI 350. In addition to the structural design, BRADY's team completed design work associated with EI&C, mechanical and water quality.

Dates | 6/2019 to 4/2020 **Design Fee |** $600,000 **Construction Fee |** Pending

Owner/Reference | Rosemary Hoerning, PE, Public Works Director/City Engineer | City of Upland, Public Works Department - Engineering Division | 1370 N. Benson Avenue, Upland, CA 91786 | (909) 291-2931 | rhoerning@ci.upland.ca.us

4.7 MG "HP" Reservoir | Vista, CA

VID experienced a serious structural issue with a critical 5.0 MG, 55-year-old prestressed concrete reservoir. In particular, the exterior prestressing wire and the roof integrity showed significant signs of distress. At BRADY's strong recommendation due to the possibility of failure in the event of a seismic

event, the tank was immediately drained and removed from service to prevent a potential catastrophic safety hazard. The reservoir was constructed in 1961 in a remote area of Vista's service area. In 2017, the reservoir is now surrounded by residential communities, extending right up to the site perimeter fencing. Concurrently, VID awarded BRADY a contract whereby BRADY, using its r360® Design/Build Method (acting as general contractor and designer of record) developed a fast track restoration plan.

Dates | 1/2017 – 1/2018 **Design Fee |** $595,555 **Construction Fee |** $3,490,000

Owner/Reference | Randy Whitman, PE, Director of Engineering | Vista Irrigation District | 1391 Engineer St, Vista, CA 92081 | (760) 597-3187 | rwhitmann@vidwater.org

9.0 MG South Reservoir Tank, East Bay Municipal Utility District | Oakland, CA

The new 9.0 MG water storage tank is designed as a circular, prestressed concrete potable water tank, meeting or exceeding the requirements found in American Water Works Association Standard (AWWA) D110, ASCE 7 and ACI 350. The new tank sits in the footprint of the District's decommissioned South Reservoir. The new tank is partially backfilled. Tom was responsible for the design of the complete tank structure, including the specialty prestressing operations (circumferential and vertical) specified for the tank. He was also responsible for technical support to in-field personnel during construction. Design details also included pipe penetrations through the floor and wall of the tank. *Completed by Tom Bloomer at previous firm

Dates | 9/2017 – 12/2018 **Design + Construction Fee |** $6.2M

Owner/Reference | Paul Franceschi, PE, Senior Civil Engineer | East Bay Municipal Utility District | 375 11th Street, Oakland, CA 94607 | (510) 287-1056 | Paul.Franceschi@ebmud.com

Additional Projects

Project	Size (MG	Role	Duration	Contract Value
City of San Diego - 35.0 MG Earl Thomas Reservoir | San Diego, CA	35.0	Prime	24 mo	$25.3M
City of Palo Alto - 1.5 MG Boronda Reservoir Seismic/Repair* | Palo Alto, CA	1.5	Sub	4 mo	$6.5M
East Bay Municipal Utility District - Two 3.5 MG Estates Reservoir Replacement* | Oakland, CA	3.5	Sub	12 mo	$6.3M
East Bay Municipal Utility District - Two 3.5 MG San Pablo Clearwell Replacement* | Oakland, CA	3.5	Sub	In Const.	$9.0M
City of Daly City - 2.0 MG 2B Reconstruction Reservoir*	2.0	Sub	6 mo	$1.8M
City of Santa Cruz | Two 6 MG Bay Street Tanks*	6.0	Sub	9 mo each	$1.5M
San Jose Water Company - 1.88 MG Overlook Tank* | San Jose, CA	1.88	Sub	1.5 yrs	$2.0M
East Bay Municipal Utility District - 1.0 MG Carisbrook Tank Replacement* | Oakland, CA	1.0	Sub	12 mo	$1.8M

* Projects completed by Tom Bloomer and/or Karl Kuebitz, while working together at a different firm.

SUBCONSULTANT | RINCON CONSULTANTS, INC.

Rincon is a multi-disciplinary environmental science, planning, and engineering consulting firm providing quality professional services to government and industry. Our firm has successfully prepared hundreds of California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and regulatory permitting documents for water agencies throughout California. We have also authored hundreds of technical support documents, including noise, air quality, greenhouse gas inventories, and hazardous materials studies. Water infrastructure projects are a core business area for Rincon, and our firm has provided environmental consulting services for water resources projects for over 25 years. During that time, we have successfully completed the environmental analysis and permitting processes for several water, wastewater and stormwater conveyance, storage and treatment projects as well as other water-related infrastructure projects throughout California. Rincon has experience in the City of Dublin and the surrounding TriValley area. We drafted the City of Dublin's Climate Action Plan, adopted in October 2020, and are providing support services for the City's Active Transportation Plan. In addition, we have multiple projects in the cities of Pleasanton and Livermore, and understand the unique environment in the TriValley area.

PROJECT REFERENCES | RINCON CONSULTANTS, INC.

On-Call Contract to Provide Biological Resource Management, Regulatory Permitting and Guidance, and Environmental Planning | Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura Counties

Since 2011, Rincon has been providing environmental consulting services to the Metropolitan Water District of Southern California (Metropolitan) under a task order based contracting mechanism. Metropolitan's service area is approximately 5,200 square miles and includes portions of the counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura.

Rincon supports the following tasks under this contract:

- CEQA/NEPA compliance documentation preparation
- Biological resource and regulatory field assessments, inspections and compliance monitoring
- Cultural resource field and desktop studies, consultation, impact assessment, and reporting
- Environmental constraint identification and reporting

The following is a relevant example project completed by Rincon as part of our multi-year service contract.

Palos Verdes Reservoir Upgrades Project | Rincon prepared an IS-MND along with associated technical studies for biological resources, cultural resources, air quality, and greenhouse gas emissions for this project. Key issues for this project included construction-related impacts from noise and air emissions as well as the potential for construction activities to affect recreational resources near the site. In addition, transport and disposal of the removed lining was a key issue analyzed in the documentation. The presence of PCBs in sealants historically used during maintenance activities and the potential for these to cause waste to be classified as hazardous was considered. Three addenda to the IS-MND have been prepared to reflect minor changes in the project following approval. As part of Addendum 3, Rincon prepared a Tree Health Assessment and Impact Analysis which documented the current conditions of 61 trees and assessed potential impacts to those trees associated with proposed trenching activities. Rincon also recently completed construction monitoring for this project which included pre-construction nesting bird surveys, arborist support/recommendations, weekly spot checks to document general environmental compliance, and full-time archeological/paleontological monitoring of soils in primary context.

Dates | 3/2011 – ongoing **Fee |** $4 Million **Construction Fee (anticipated) |** N/A

Owner/Reference | Malinda Stalvey, Senior Environmental Specialist | Metropolitan Water District of Southern California | 700 Alameda Street, Los Angeles, California 90012 | (213) 217-5545 | mstalvey@mwdh2o.com

On-Call Contract to Provide Engineering and Environmental Services | Oakview, CA

As a subconsultant to multiple engineering Primes, Rincon was awarded an on-call contract to provide environmental consulting services including paleontological, archeological, and biological expertise to support compliance with CEQA and regulatory requirements for capital and operations and maintenance projects. Subsequently, Rincon was awarded its own on-call contract for environmental services. The following is a relevant project completed under Rincon's stand-alone, task-order based contract. Ojai Water System Upgrade Project IS-MND | Rincon prepared an IS-MND to assess proposed pipeline replacements and well, storage tank, and booster pump upgrades throughout the Ojai Water System. The project involves replacing or rehabilitating aging and/or undersized infrastructure located in multiple jurisdictions to restore system capacity and meet fire flow requirements. While elements of the project—including potential new tank and well construction sites—are still being finalized, Rincon completed a thorough Biological Resources Assessment, Cultural Resources Technical Report, and public review draft of the IS-MND in order to maintain the project schedule. Throughout the process, Rincon worked with Casitas to ensure the document reflected the evolving project description and met the applicable regulatory requirements of both the City of Ojai and County of Ventura. With regular client coordination, Rincon's approach to project analysis resulted in a robust environmental review while providing flexibility for Casitas to refine the project description to meet its needs. Rincon continues to support this program through task orders for preparation of Addendum documents as well as environmental compliance monitoring as the individual projects move through construction.

Dates | 1/2018 – ongoing **Fee |** $1.3 Million **Construction Fee (anticipated) |** N/A

Owner/Reference | Julia Aranda, Engineering Manager | Casitas Municipal Water District | 1055 North Ventura Avenue, Oak View, CA 93022 | (805) 649-2251 | jaranda@casitaswater.com

San Lorenzo Valley Water District - Swim Tank Project and Five Water Pipelines Project Initial Study-Mitigated Negative Declaration and USDA Funding Documentation | San Diego, CA

The San Lorenzo Valley Water District (SLVWD) required environmental review assistance for projects designed to remedy safety concerns, operational problems, and water losses. The Swim Tank Project and Five Water Pipelines Project were intended to replace and improve existing water infrastructure. The Swim Tank Project consisted of the replacement of two existing 20,000-gallon redwood storage tanks with one 62,000-gallon bolted steel storage tank. The project also involved the installation of a new pump station, pipelines, and motor control center to service the new tank. The Five Water Pipelines Project involved trenching and replacing water pipeline in five high-priority areas in SLVWD's distribution system, including portions of aging above-grade pipelines. SLVWD sought funding from the USDA Rural Development Program for the Swim Tank and Five Water Pipelines Projects. Rincon was responsible for preparing environmental documentation to satisfy NEPA and CEQA requirements, including NEPA Environmental Reports for Categorical Exclusion and a CEQA Initial Study-Mitigated Negative Declaration. In support of the NEPA and CEQA documents, Rincon conducted a site visit and prepared stand-alone technical reports for air quality, biological resources, and cultural resources. Rincon staff also provided as-needed support for coordination with USDA. The project included a Section 106 report to address the requirements of the National Historic Preservation Act, which involved recording and evaluating rural water infrastructure. Rincon's architectural historians coached SLVWD through the process and worked with USDA to develop an approach to consultation with the State Historic Preservation Officer. The USDA documentation process was completed in less than three months in order to assist SLVWD in meeting the required funding deadline.

Dates | 6/2018 – 2/2019 **Fee |** $75,000 **Construction Fee |** N/A

Owner/Reference | Kirsten Plonka, P.E., Senior Engineer | Water Systems Consulting | 9815 Carroll Canyon Road, Suite 205, San Diego, California 92131 | (858) 397-2617 x304 | kplonka@wsc-inc.com

SUBCONSULTANT | DTN ENGINEERS, INC.

As a certified MBE firm (Alameda County, Southern Metropolitan Water District, City of Long Beach), DTN Engineers, Inc., has been founded in 2001 in California with main office in Oakland. We offer professional services in facility planning and engineering design, project feasibility studies, project management and construction support engineering. Clients served include mostly public agencies and selected private companies. Project types have covered the design planning and development, wastewater and water treatment plants, water resource, transportation, industrial and waste-to-energy facilities.

Presently, DTN Engineers, Inc. offers consulting services primarily in electrical engineering. Our in-house licensed professionals include electrical, mechanical, fire protection, control system engineers and registered architects. Other disciplines can be supplemented from affiliated engineering firms as needed.

Presently, our firm is working on the following projects: Pasadena Arroyo Booster Station Project, SFPUC Groundwater Supply Projects (Phase 1 and Phase 2), DSRSD Reservoir 10A Replacement Project, DSRSD MCC Replacement Project, CCCSD Fire Alarm Improvements Phase 2, EBMUD Digester Upgrade Phase 3 Project, SMCSD Main Plant Headworks Upgrade, SMCSD Coloma Pump Station and several other environmental projects.

PROJECT REFERENCES | DTN ENGINEERS, INC.

Sausalito Marin City Sanitary District (SMCSD) | Marin, CA

Main WWTP Wet Weather Upgrade, Remote Pump Stations Upgrade. Electrical/I&C Engineering and Construction Support Services. Design electrical motor control centers, PLC-based control system, field instrumentation and assistance in process control functional startups and commissioning.

Dates | 01/2008 - 10/2020 **Design Fee |** $ 20,000 - $300,000 **Construction Fee (varies) |** $2M - $25M

Owner/Reference | Kevin Rahman, PE, District Engineer | SMCSD | 1 East Road, Sausalito, CA 94965 | (415) 331-4714 | Kevin@smcsd.net

Steve Moore, PE, General Manager | Ross Valley Sanitary District| 2960 Kerner Boulevard, San Rafael, CA 94901 | (415) 870-9764 | SMoore@rvsd.org

City of San Francisco Public Utility Commission (SFPUC) | San Francisco, CA

SE Plant Expansion, North Point WPC, DAFT system, SCADA, Groundwater Supply Phase 1 and 2. Electrical, power distribution, control system (DCS/PLC) and instrumentation engineering. Construction Support Services. Design electrical motor control centers, PLC-based control system, field instrumentation and assistance in process control functional startups and commissioning.

Dates | 01/2000 - 10/2020 **Design Fee |** $35,000 - $400,000 **Construction Fee (varies) |** $1.5M - $2.5M

Owner/Reference | Philip Thwin, PE, Electrical Department Manager | San Francisco Department of Public Works | 49 South Van Ness Ave., San Francisco, CA 94103 | (415) 558-4518 | Philip.Thwin@sfdpw.org

Linda Leong, PE, Sr. Project Manager | San Francisco Public Utilities Commission | 525 Golden Gate Ave, San Francisco, CA 94102 | (415) 920-4919 | LLeong@sfwater.org

Dublin San Ramon Sanitary Services/Livermore Amador Valley Water Management Agency (DSRSD/LAVWMA) | Dublin, CA

Export Pump Station Cable Replacement. DSRSD Remote Pump Stations Arc Flash Studies. DSRSD Reservoir 10A Replacement Project. Export Pump Station MCC Replacement Project. Design electrical motor control centers, PLC-based control system, field instrumentation and assistance in process control functional startups and commissioning.

Dates | 05/2016 to 10/2020 **Design Fee |** $28,000 - $235,000 **Construction Fee (varies) |** $2 - $25 Million

Owner/Reference | Charles Weir, General Manager | Livermore-Amador Valley Water Management Agency | 7051 Dublin Blvd, Dublin, CA 94568 | (925) 224 11111 | CWeir@sbcglobal.net

Maurice Attendido, PE, Sr. EE | Dublin San Ramon Services District | 7051 Dublin Blvd, Dublin, CA 94568 | (925) 570- 4372 | Atendido@dsrsd.com

SUBCONSULTANT | ENGEO

ENGEO's role on the project would be providing geotechnical engineering services. ENGEO is an award-winning, employee-owned California Corporation of more than 300 geotechnical and civil engineers, geologists, environmental scientists, hydrology and water resources, field representatives, laboratory testing specialists, and supporting staff serving clients in western United States and abroad for nearly 50 years. ENGEO has served many iconic and highly visible projects with complex engineering and geologic challenges, such as highly compressible soil, expansive soil, unstable terrain, landslides, and seismic hazards. ENGEO's geotechnical services are uniquely designed to address client objectives and help deliver projects on time and on budget. ENGEO's relevant experience includes numerous projects in water storage, conveyance and treatment, flood control facilities, transportation, and public recreation. ENGEO actively participates in the design and construction of water resources projects, including above- and below-ground water tanks, pipelines, reservoirs, pump stations, detention basins, pervious roadways, and flood control structures. Geotechnical engineering services provided by ENGEO that are well suited to support design and construction of stormwater infrastructure projects include:

- Subsurface and Geologic Characterization
- Infiltration Testing
- In-house Laboratory Testing
- Hydrogeologic Investigation
- Slope Analysis and Stabilization
- Earth Retention System Design
- Foundation Engineering
- Subgrade Stabilization
- Settlement Analysis
- Pavement Analysis and Design

ENGEO has an extensive understanding of the geotechnical and geological hazards at the proposed project sites. As described further below, we have subsurface data at the Site A and we are the Geologic Hazard Abatement District managers at Croak Property, which Site B is located.

PROJECT REFERENCES | ENGEO

Hood Water Storage Site WT-13 | Rio Vista, CA

ENGEO performed a geotechnical exploration and prepared the geotechnical design report for the project. The geotechnical report provided recommendations for both shallow and deep foundation options for the water tank, foundation recommendations for the ancillary structures and earthwork. In addition to analyzing the deep foundation capacities, ENGEO performed a settlement analysis of the at-grade tank option which allowed the use of shallow foundations. The project includes construction of a 175,000 gallon, 40-foot diameter water storage tank and associated infrastructure.

Dates | 10/2015 - 10/2015 **Design Fee |** $21,000 **Construction Fee|** N/A

Owner/Reference | Keith Hall | Sacramento County Water Agency | 827 7th Street, Room 301, Sacramento, CA 95814 | (916) 875-6869 | hallke@saccounty.net

River Pines PUD Water Tank | River Pines, CA

The project includes construction of a new 300,000-gallon prestressed concrete water tank. The 45-foot-diameter tank will be constructed near an existing tank, will be partially buried, and will have a normal operating level of about 25 feet of water. Due to the site topography and property line constraints, temporary cut slopes and temporary sheetpile shoring are anticipated during construction. The tank will be supported in cut approximately 3 to 13 feet below existing grades. Foundation support includes a perimeter ring footing. The tank will be backfilled to near existing grade on the uphill side with an approximately 7-foot-high 2:1 fill slope on the downhill side.

Dates | 10/2017 - 10/2017 **Design Fee |** $31,100 **Construction Fee|** N/A

Owner/Reference | John Scroggs | KASL Consulting Engineers | 7777 Greenback Lane, Suite 104, Citrus Heights, CA 95610 | (916) 722-1800 | jscroggs@kasl.com

Tassajara Hills | Dublin, CA

The Tassajara Hills project is a master-planned residential development in north Dublin, California. The project includes 370 residential lots, a clubhouse/ park amenity, a bridge, two detention basins, and two water quality basins, as well as associated roadways and underground utilities. The project also included replacement of an existing deteriorated City of Dublin culvert under Tassajara Road with a new, 400-foot-long, 18-foot-diameter culvert and associated wing walls, and widening of approximately 1,500 feet of Tassajara Road. Adjacent to the culvert, 220 feet of existing eroded creek channel were reconstructed with a new riprap protected step pool system. Tassajara Hills is situated in steep hillside terrain. Prior to construction, there were numerous deep-seated landslides that required stabilization grading. The project grading included approximately three million cubic yards of design earthwork and an additional three million cubic yards of corrective grading required to stabilize landslides and slopes. Project grading commenced in late 2015 and construction of roads and underground improvements was substantially completed by early 2018. ENGEO provided geotechnical site characterization and design services, as well as construction observation and testing during landslide repairs and grading. ENGEO also provided special inspections for construction of retaining walls and foundations, as well as SWPPP monitoring. ENGEO provided consulting services during permitting with State and federal agencies and performed hydraulic modeling required for design of creek and culvert improvements. ENGEO worked closely with the developer, civil engineer and City peer review consultant to optimize the design of project grading. Optimization measures substantially reduced the amount of costly long-distance uphill haul earth movement, and allowed the developer to increase lot sizes by modifying slope grading where it was geotechnically feasible.

Dates | 06/2015 - ongoing **Design Fee |** $3.3 Million **Construction Fee|** N/A

Owner/Reference | Steve Savage | Toll Brothers, Inc. | 6800 Koll Center Parkway, Suite 320, Pleasanton, CA 94566 | (925) 249-6032 | ssavage@tollbrothers.com

Jordan Ranch Services | Dublin, CA

The 185-acre residential site consists of two development phases. The first phase includes 242 single-family lots at the north half of the site. Phase II consists of 10 residential neighborhoods with single-family homes and townhomes. ENGEO provided geotechnical recommendations and consultation for the residential project, and oversaw the mass grading and site grading for the project from 2010 to 2017. ENGEO also conducted geotechnical explorations, reviewed grading plans, and provided recommendations and consultation during grading and construction of the bridge crossing and culvert.

Dates | 06/2010 - 2/2017 **Design Fee |** $824,700 **Construction Fee|** N/A

Owner/Reference | Ravi Nandwana, BJP-ROF | Jordan Ranch, LLC | 3875 Hopyard Road, Suite180, Pleasanton, CA 94588 | (925) 892-1218 | ravi@missionvalleyhomes.com

Fallon Village | Dublin, CA

This 1,100-acre residential site is located in an area of moderately steep hills and was developed for residential uses. ENGEO provided geotechnical engineering services, which included review of grading and foundation plans, consultation, providing testing and observation services during mass grading, site grading, and improvement construction from 2010 to 2015.

Construction Fee|01/2010 – 01/2015 **Design Fee |** $106,800 **Construction Fee|**N/A

Owner/Reference | Jeff Lawrence | Dublin RE Investors, LLC | 4155 Blackhawk Plaza Circle, Suite 201, Danville, CA 94506 | (925) 736-4000 | jlawrence@braddockandlogan.com

Owner/Reference | Greg Jasso | Tim Lewis Communities | 3500 Douglas Blvd, Suite 270, Roseville, CA, 95661 | (925) 380-1222 | mohara19@gmail.com

SUBCONSULTANT | MONUMENT

Monument, a DBE and SBE certified firm, is a full-service real estate and right-of-way company providing exceptional service, strategic planning, innovation and timely delivery. We serve local, state and federal agencies, transportation authorities and engineering partners with public infrastructure projects throughout California. At Monument, we understand the difference an experienced, solutions-minded right-of-way partner can bring in achieving the goals and objectives of a project and that's exactly what we are. Monument is more than your typical right-of-way company. Our team is comprised of the best in the industry, most with advanced degrees and licenses, most with over 25 years in the business and leaders of some of the largest and complex projects delivered in the State of California. Monument's interdisciplinary team is composed of highly experienced project managers, seasoned acquisition agents, relocation experts and project support specialists, working together with the client to provide solutions at every phase of the project. The Monument team is known in the industry for successfully completing projects on an accelerated schedule. We accomplish this with early project planning, a clear scope of work, defined project tasks and deliverables, quality control, exceptional performance, and communication with the client and project partners. We know the importance of collaborating with stakeholders to ensure the successful and timely completion of each project. Monument is much more than a provider of real estate services, we act as a project partner, equally invested in the goals and objectives of the project and fully integrated with the project team.

PROJECT REFERENCES | MONUMENT

Sacramento Area Flood Control Agency Levee Improvement Project | Sacramento, CA

The Monument Team is providing ROW Program Management and property acquisition services as well as responsible for overseeing over 250 active negotiations supporting over $1.8 Billion in Levee improvements throughout the City of Sacramento. Monument is managing SAFCA's negotiations with the City of Sacramento on over 70 parcels on five separate construction contracts in the Pocket, Natomas, North Sacramento, and Arden-Arcade areas. The diverse geographic project locations allow Monument to fully understand the different real estate markets throughout the City, and will enable Monument to develop real estate strategies to deliver the real estate needs for City projects.

The Sacramento Area Flood Control Agency is overseeing a $1.8 Billion levee improvement program, included six different project areas, and 8 different construction contracts. Right of way acquisition will grow to over 400 parcels in the next 5 years. This effort includes overseeing 3 different right of way acquisition firms (including Paragon Partners, OPC, and Interwest) and 4 different appraisal firms, plus ongoing coordination with governmental affairs, design, survey, legal, and SAFCA staff. Monument's role is to identify the roles and responsibilities of each consultant on a given project, help define the right of way plan for each construction contract and monitor the right of way project deliverables. Key stakeholders include the Local, State, and Federal government partners, and the Board of Directors, which is made up of 7 different local agencies.

The most unique acquisition challenge includes ongoing negotiations with a local railway, major impacts to golf course, and working with the project team to reduce construction impacts to a marina. In the initial phases of the program, Mr. Morrison was instrumental in successfully delivering SAFCA's Natomas Basin Project and was charged with developing the right of way implementation plan, capital cost estimates, delivery schedule to support this critical initial phase of SAFCA's overall levee improvement program.

Dates | 2007 – ongoing **Contract Fee |** $1.8 B **Construction Fee |** $1.8B

Owner/Reference | Holly Gilchrist, General Council | Sacramento Area Flood Control Agency| 1007 7th St 7th Fl, Sacramento, CA 95814| (916) 874-8730| gilchristh@saccounty.net

Riverfront Street Extension | West Sacramento, CA

Monument is working with the City of West Sacramento to deliver the River Front Street extension project. This grant funded project extends Riverfront Street and widens 5th Street under the US50 along the City of West Sacramento's Waterfront. The project includes acquisition from over 10 parcels, 5 of which are part of a larger development agreement. The team is working to acquire rights from Caltrans and the development community in support of the improvements.

Monument was able to craft a strategy to meet the FHWA right-of-way requirements while still honoring the terms of the agreement. This was completed by using the development agreement terms to have the developer dedicate the right-of-way for development credits rather than acquire the property through the standard ROW process.

By highlighting the fact that the existing development agreements allow the City to acquire the property via pre-negotiated price and terms, Monument was able to save the City over half of the consulting fees other firms were charging.

Dates | 2019 – ongoing **Contract Fee |** $500,000 **Construction Fee |** $6M

Owner/Reference | Olesya Tribukait, PE, Senior Civil Engineer | City of West Sacramento | 1110 West Capital Avenue, 2nd Floor, West Sacramento, CA 95691 | (916) 617-4546| olesyat@cityofwestsacramento.org

City of Elk Grove Bus Rapid Transit Study | Elk Grove, CA

Monument provided project management oversite of the study and recommendations regarding Bus Rapid Transit (BRT) or Express Bus Service (ExBus) within the City of Elk Grove.

The study focused on the Big Horn corridor which promised to leverage transit investments of the Blue Line and e-tran feeder services as well as to enable future land development. The study identified service and capital improvements that could be added incrementally to accommodate the growing transportation needs for the City. This study focused on "right-sized" improvement options and whether their implementation would increase ridership to off-set their cost and meet the overall e-tran system goals and performance metrics established in the Comprehensive Operational Analysis (COA) service plan.

Based on the analysis, ridership forecasts in response to immediate BRT element implementation would not meet COA goals in the near-term. As land use development increased in the corridor (including the redevelopment of some sites), investment in BRT improvements could increase ridership and support COA goals. The report further highlighted that near-term efforts could focus on brandings and ensuring the consideration of enhanced pedestrian connections to stations through land use development and public works projects would maximize the current ridership in the corridor.

Monument worked closely with City staff to determine the transit needs of the City, and create a plan to ensure long term success of the City's transit system.

Dates | 2019 – ongoing **Contract Fee |** $500,000 **Construction Fee |** $1.2M

Owner/Reference | Michael Costa, Transit Manager | City of Elk Grove | 8401 Laguna Palms Way, West Elk Grove, CA 95758 | (916) 687-3030| mcosta@cityofelkgrove.org

SUBCONSULTANT | EXARO TECHNOLOGIES CORPORATION

EXARO Technologies Corporation (EXARO) is a team of experts specializing in underground utility locating, cathodic protection, concrete rebar scanning and traffic control. What sets EXARO apart is "We Know Underground Infrastructure"; this is the benefit of having a team comprised field and office employees with significant industry experience.

EXARO was established and incorporated in San Francisco, California on March 22, 2005. EXARO holds Class A, C10, C31 and Hazardous Substances Removal licenses in the State of California. EXARO has three offices in California: Northern headquarters in Burlingame with 14 employees, Central office in Fresno with one employee, Southern office in Santa Ana with one employee.

EXARO's utility locating services include a) Record drawing acquisition, b) Mark & Locate Utilities by Electronic Detection, c) Locate utilities by Ground Penetrating Radar (GPR), d) Potholing by Air Vacuum Excavation with self-performed traffic control. EXARO's Foreman and Technicians are "Qualified Operator" per Title 1 Section 4216 of Government Code. EXARO is the only 'Union' company in California specializing in underground utility locating and cathodic protection. The following is a sample list of work locations/clients followed by a few key employees.

PROJECT QUALIFICATIONS / EXPERIENCE

Includes work at California High Speed Rail, PG&E Gas Plant Terminals, PG&E Electric Transmission Substations, Ports, Berkeley Lawrence National Laboratory, Stanford Linear Accelerator, Airports, East Bay Municipal Utility District, Hetch Hetchy Water Lines, Kinder Morgan Lines, Central Contra Costa Sanitary District, Marin Municipal Water District, Biomedical Facilities, Public Streets, Freeways, Military Facilities, High Pressure Fuel Lines, JPB Caltrain, UPRR, BNSF, BART, Municipal, State and Federal Infrastructure, South Tahoe Public Utility District, Caltrans, VTA, and all variety of engineering firms & contractors.

ON CALL CONTRACTS

EXARO has a variety of experience with on call contracts for underground utility locating and potholing with public works. EXARO has contracted with following agencies to name a few: Caltrans, Santa Clara Valley Water District, Marin Municipal Water District, City of Fremont, Central Contra Costa Water District, East Bay Municipal Utilities District (EBMUD) and AECOM (for SFO).

Certifications | SBE 42413, MBE 5LN00013, PUC/LBE Regional HRC120915006

PROJECT REFERENCES | EXARO TECHNOLOGIES CORPORATION

Colma Creek Large Storm Water Capture Project | South San Francisco, CA

Electronic Detection and Ground Penetrating Radar (GPR) & Vacuum Excavation (potholing).

Dates | 3/2020 **Contract Fee |** $30,867 **Construction Fee |** $4.8M

Owner/Reference | Shauna Dunton | Lotus Water | 660 Mission Street, 2nd Floor, San Francisco, CA 94105 | (925) 787-5872

Summit Pressure Zone South Transmission Pipeline Project | Oakland & Berkeley, CA

Manhole Inspection/Dips & Vacuum Excavation (potholing).

Dates | 2/2020 **Contract Fee |** $119,039 **Construction Fee |** $16.8M

Owner/Reference | Krista Araica | EBMUD | 375 Eleventh Street, MS 504, Oakland, CA 94607 | (510) 287-1142

Folsom Dam Raise Project | Folsom, CA

Vacuum Excavation (potholing) and Electronic Detection/GPR.

Dates | 10/2019 **Contract Fee |** $33,099 **Construction Fee |** $373M

Owner/Reference | Krista Araica | EBMUD | 375 Eleventh Street, MS 504, Oakland, CA 94607 | (510) 287-1142

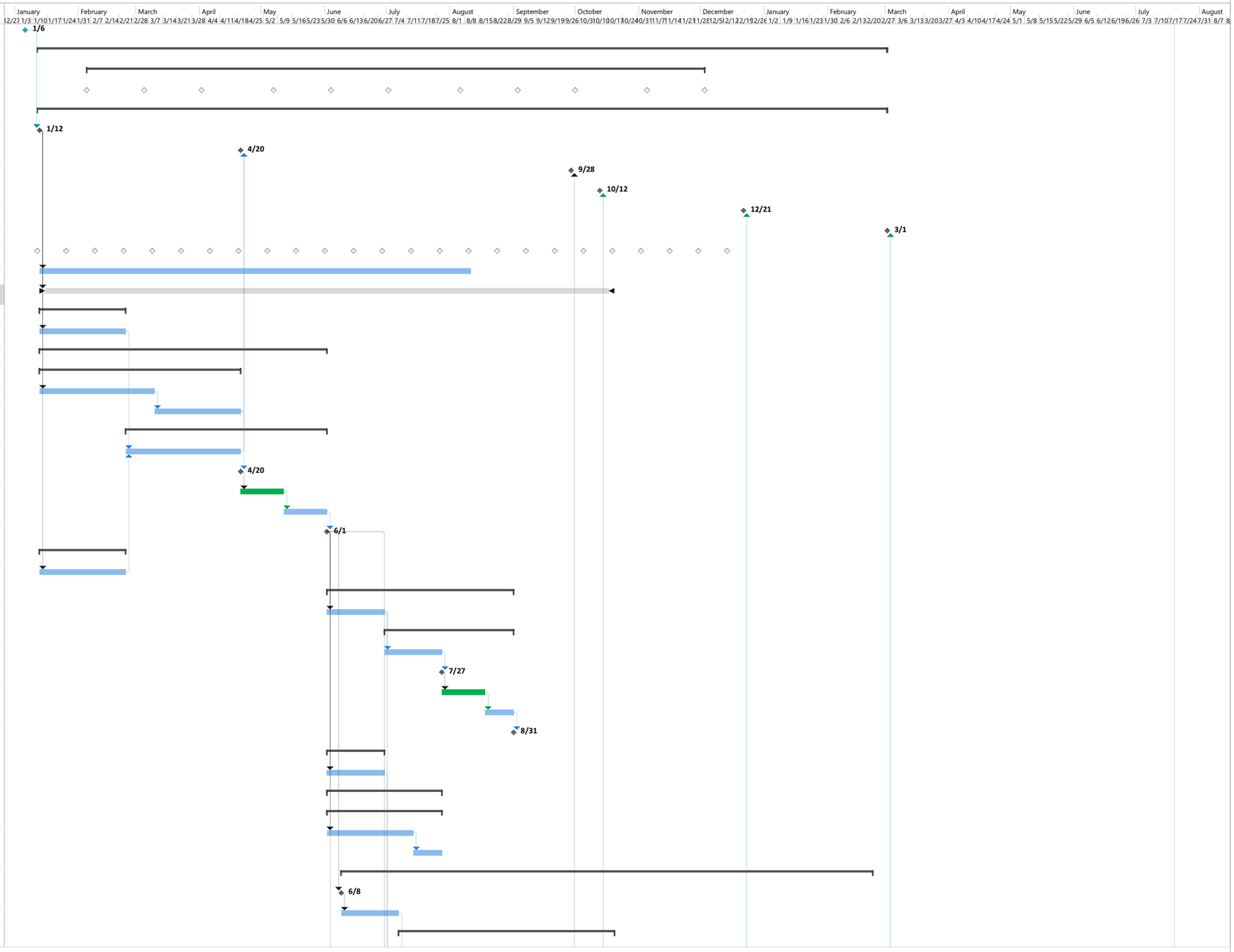


Project Schedule



Dublin San Ramon Services District
Reservoir 20B Project (CIP 14-W008)
Proposed Schedule

ID	Task Name	Duration	Start	Finish
1	Notice to Proceed	0 days	Wed 1/6/21	Wed 1/6/21
2	**Task 1: Project Administration and Coordination**	**296 days**	**Tue 1/12/21**	**Tue 3/1/22**
3	**Task 1.1 Project Management**	**215 days**	**Fri 2/5/21**	**Fri 12/3/21**
4	**Monthly Progress Reports & Schedule Updates**	**215 days**	**Fri 2/5/21**	**Fri 12/3/21**
16	**Task 1.2: Project Meetings & Workshops**	**296 days**	**Tue 1/12/21**	**Tue 3/1/22**
17	Kick-off Meeting	0 days	Tue 1/12/21	Tue 1/12/21
18	Preliminary Design Workshop	0 days	Tue 4/20/21	Tue 4/20/21
19	Environmental Review Meeting	0 days	Tue 9/28/21	Tue 9/28/21
20	50% Design Review Workshop	0 days	Tue 10/12/21	Tue 10/12/21
21	75% Design Review Workshop	0 days	Tue 12/21/21	Tue 12/21/21
22	90% Design Review Workshop	0 days	Tue 3/1/22	Tue 3/1/22
23	**Bi-weekly Progress Calls**	**240 days**	**Tue 1/12/21**	**Tue 12/14/21**
49	Task 1.3: Stakeholder Coordination & Permitting	30 wks	Wed 1/13/21	Tue 8/10/21
50	**PHASE 1 - PRELIM ENGINEERING AND ENVIRONMENTAL PLANNING**	40 wks	Wed 1/13/21	Tue 10/19/21
51	**Task 2: Water Distribution System Evaluation**	**30 days**	**Wed 1/13/21**	**Tue 2/23/21**
52	Task 2.1: Hydraulic Modeling	6 wks	Wed 1/13/21	Tue 2/23/21
53	**Task 3: Preliminary Design Report**	**100 days**	**Wed 1/13/21**	**Tue 6/1/21**
54	**Task 3.1: Reservoir Site Analysis**	**70 days**	**Wed 1/13/21**	**Tue 4/20/21**
55	Siting and Reservoir-Type Analysis	8 wks	Wed 1/13/21	Tue 3/9/21
56	Prepare Site Plans / Renderings	6 wks	Wed 3/10/21	Tue 4/20/21
57	**Task 3.2: Preliminary Design Report**	**70 days**	**Wed 2/24/21**	**Tue 6/1/21**
58	Prepare Draft Report	8 wks	Wed 2/24/21	Tue 4/20/21
59	Submit Draft PDR to District	0 days	Tue 4/20/21	Tue 4/20/21
60	District Review	15 days	Wed 4/21/21	Tue 5/11/21
61	Prepare Final PDR	3 wks	Wed 5/12/21	Tue 6/1/21
62	Submit Final PDR to District	0 days	Tue 6/1/21	Tue 6/1/21
63	**Task 4: Utility Documentation, ROW, Property and Utility Research**	**30 days**	**Wed 1/13/21**	**Tue 2/23/21**
64	Task 4.1: Utility Research and Documentation	6 wks	Wed 1/13/21	Tue 2/23/21
65	**Task 5: Geotechnical Investigations**	**65 days**	**Wed 6/2/21**	**Tue 8/31/21**
66	Task 5.1: Field Exploration	4 wks	Wed 6/2/21	Tue 6/29/21
67	**Task 5.2: Report Preparation and Analysis**	**45 days**	**Wed 6/30/21**	**Tue 8/31/21**
68	Prepare Draft Report	4 wks	Wed 6/30/21	Tue 7/27/21
69	Submit Draft Report to District	0 days	Tue 7/27/21	Tue 7/27/21
70	District Review	15 days	Wed 7/28/21	Tue 8/17/21
71	Prepared Final Report	2 wks	Wed 8/18/21	Tue 8/31/21
72	Submit Final Report to District	0 days	Tue 8/31/21	Tue 8/31/21
73	**Task 6: Topographic Mapping and Survey Control**	**20 days**	**Wed 6/2/21**	**Tue 6/29/21**
74	Task 6.1: Field Survey	4 wks	Wed 6/2/21	Tue 6/29/21
75	**Task 7: Field Verification of Existing Utilities**	**40 days**	**Wed 6/2/21**	**Tue 7/27/21**
76	**Task 7.1: Potholing**	**40 days**	**Wed 6/2/21**	**Tue 7/27/21**
77	Coordination and Permitting	6 wks	Wed 6/2/21	Tue 7/13/21
78	Field Investigation and Reporting	2 wks	Wed 7/14/21	Tue 7/27/21
79	**Task 8: CEQA Documentation**	**185 days**	**Tue 6/8/21**	**Tue 2/22/22**
80	Task 8.1: CEQA Kick-off	0 days	Tue 6/8/21	Tue 6/8/21
81	Task 8.2: Project Description	4 wks	Wed 6/9/21	Tue 7/6/21
82	**Task 8.3: Administrative Draft IS**	**75 days**	**Wed 7/7/21**	**Tue 10/19/21**

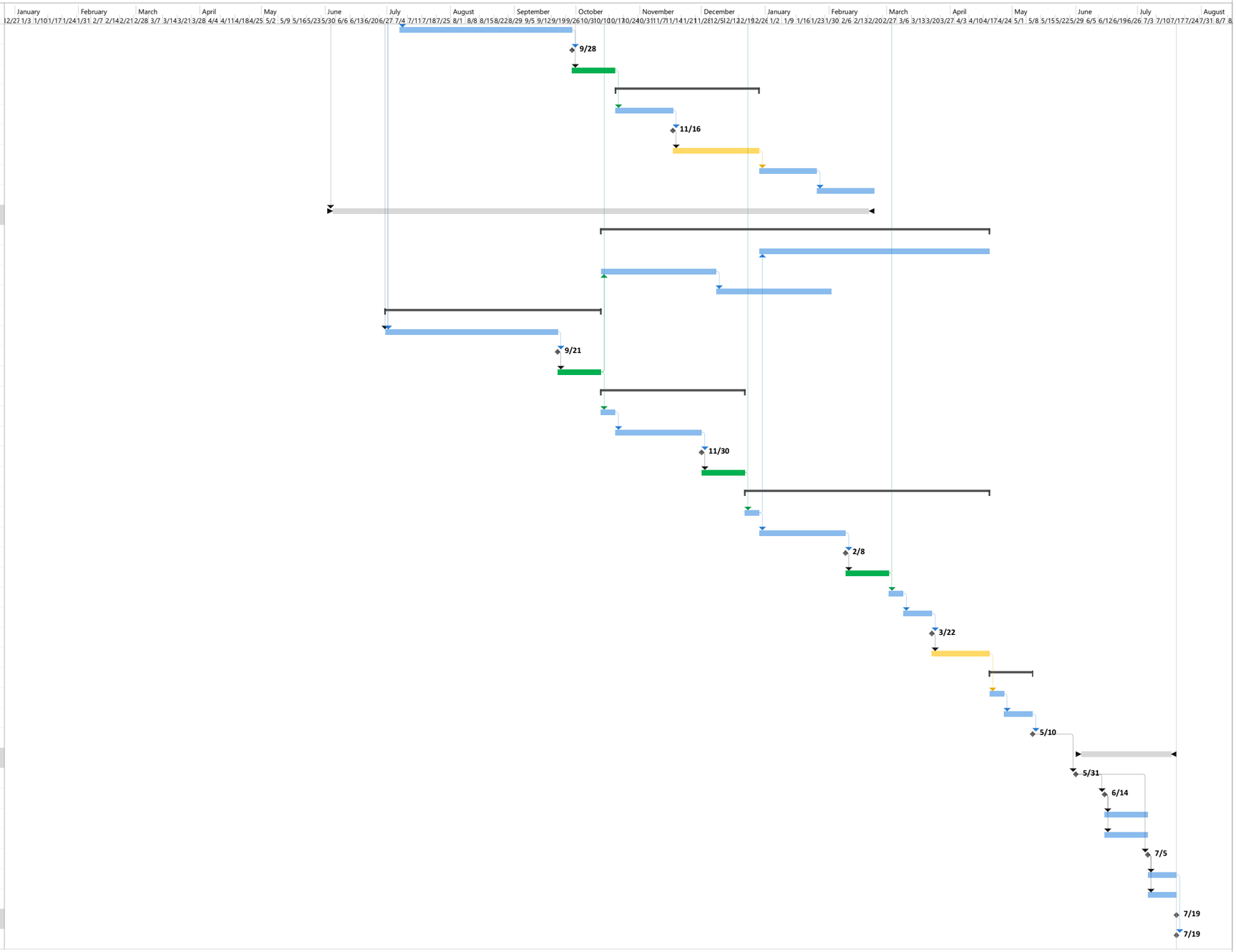


Project: Project Schedule_v2

Task | Summary | Inactive Milestone | Duration-only | Start-only | External Milestone | Manual Progress
Split | Project Summary | Inactive Summary | Manual Summary Rollup | Finish-only | Deadline
Milestone | Inactive Task | Manual Task | Manual Summary | External Tasks | Progress

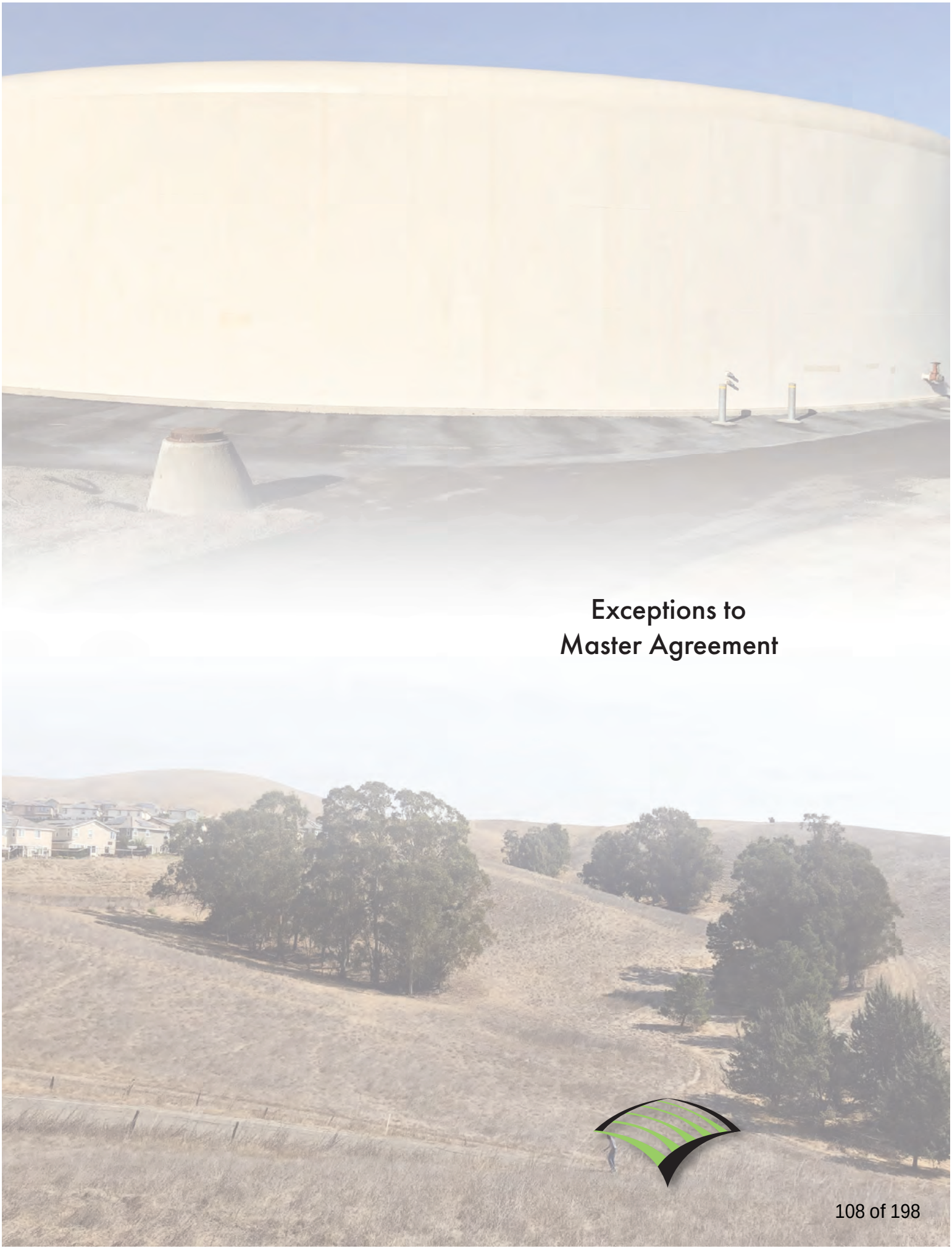
Dublin San Ramon Services District
Reservoir 20B Project (CIP 14-W008)
Proposed Schedule

ID	Task Name	Duration	Start	Finish
83	Technical Studies / Prepare Admin Draft IS	12 wks	Wed 7/7/21	Tue 9/28/21
84	Submit Admin Draft to District	0 days	Tue 9/28/21	Tue 9/28/21
85	District Review	15 days	Wed 9/29/21	Tue 10/19/21
86	**Task 8.4: Public Review Draft IS-MND**	**50 days**	**Wed 10/20/21**	**Tue 12/28/21**
87	Prepare Public Review IS-MND	4 wks	Wed 10/20/21	Tue 11/16/21
88	Submit Public Review IS-MND	0 days	Tue 11/16/21	Tue 11/16/21
89	Public Review Period	30 days	Wed 11/17/21	Tue 12/28/21
90	Task 8.5: Final IS-MND	4 wks	Wed 12/29/21	Tue 1/25/22
91	Task 8.6: Public Hearings	4 wks	Wed 1/26/22	Tue 2/22/22
92	**PHASE 2 - DETAILED DESIGN**	38 wks	Wed 6/2/21	Tue 2/22/22
93	**Task 9: Permitting, Property Acquisition and Interagency Agreements**	**135 days**	**Wed 10/13/21**	**Tue 4/19/22**
94	Task 9.1: Permitting	16 wks	Wed 12/29/21	Tue 4/19/22
95	Task 9.2: Fee Appraisal	8 wks	Wed 10/13/21	Tue 12/7/21
96	Task 9.3: Acquisition and Negotiation	8 wks	Wed 12/8/21	Tue 2/1/22
97	**Task 10: 50% Design Submittal**	**75 days**	**Wed 6/30/21**	**Tue 10/12/21**
98	Prepare 50% PS&E	12 wks	Wed 6/30/21	Tue 9/21/21
99	Submit to District	0 days	Tue 9/21/21	Tue 9/21/21
100	District Review	15 days	Wed 9/22/21	Tue 10/12/21
101	**Task 11: 75% Design Submittal**	**50 days**	**Wed 10/13/21**	**Tue 12/21/21**
102	Review and Respond to District Comments	1 wk	Wed 10/13/21	Tue 10/19/21
103	Prepare 75% PS&E	6 wks	Wed 10/20/21	Tue 11/30/21
104	Submit to District	0 days	Tue 11/30/21	Tue 11/30/21
105	District Review	15 days	Wed 12/1/21	Tue 12/21/21
106	**Task 12: 90% and 95% Design Submittal**	**85 days**	**Wed 12/22/21**	**Tue 4/19/22**
107	Review and Respond to District Comments	1 wk	Wed 12/22/21	Tue 12/28/21
108	Task 12.1: Prepare 90% PS&E	6 wks	Wed 12/29/21	Tue 2/8/22
109	Submit to District	0 days	Tue 2/8/22	Tue 2/8/22
110	District Review	15 days	Wed 2/9/22	Tue 3/1/22
111	Review and Respond to District Comments	1 wk	Wed 3/2/22	Tue 3/8/22
112	Task 12.2: Prepare 95% PS&E	2 wks	Wed 3/9/22	Tue 3/22/22
113	Submit to District & Permitting Agencies	0 days	Tue 3/22/22	Tue 3/22/22
114	Permitting Agency Review	4 wks	Wed 3/23/22	Tue 4/19/22
115	**Task 13: 100% Design Submittal**	**15 days**	**Wed 4/20/22**	**Tue 5/10/22**
116	Review and Respond to District & Permitting Agency Comments	1 wk	Wed 4/20/22	Tue 4/26/22
117	Prepare 100% PS&E	2 wks	Wed 4/27/22	Tue 5/10/22
118	Submit to District	0 days	Tue 5/10/22	Tue 5/10/22
119	**PHASE 3 - BID/AWARD PHASE SERVICES**	**35 days**	**Tue 5/31/22**	**Tue 7/19/22**
120	Bid Docs Advertise	0 days	Tue 5/31/22	Tue 5/31/22
121	Pre-Bid Meeting & Site Walk	0 days	Tue 6/14/22	Tue 6/14/22
122	Prepare Addenda	3 wks	Wed 6/15/22	Tue 7/5/22
123	RFI's / RFC's	3 wks	Wed 6/15/22	Tue 7/5/22
124	Bids Due	0 days	Tue 7/5/22	Tue 7/5/22
125	Bid Evaluation	2 wks	Wed 7/6/22	Tue 7/19/22
126	Prepare Conformed Drawings	2 wks	Wed 7/6/22	Tue 7/19/22
127	**PHASE 4 - ENGINEERING SERVICES DURING CONSTRUCTION**	**0 days**	**Tue 7/19/22**	**Tue 7/19/22**
128	*NOT INCLUDED AT THIS TIME*	0 days	Tue 7/19/22	Tue 7/19/22



Project: Project Schedule_v2

Task | Summary | Inactive Milestone | Duration-only | Start-only | External Milestone | Manual Progress
Split | Project Summary | Inactive Summary | Manual Summary Rollup | Finish-only | Deadline
Milestone | Inactive Task | Manual Task | Manual Summary | External Tasks | Progress



Exceptions to Master Agreement

Exceptions

Wood Rodgers, Inc. has reviewed DSRSD's standard Master Agreement for Consulting Services and has no exceptions to the Master Agreement for Consulting Services.



Estimated Level of Effort



Staffing Worksheet

COMPANY: Wood Rodgers Inc.

CLIENT: Dublin San Ramon Services District

PROJECT: Reservoir 20B (CIP 14-W008)

		WOOD RODGERS, INC.												***Richard Brady & Associates, Inc.***				
TASK DESCRIPTION	Project Role:	**PIC / PM**	**Design Manager**	**QA/QC Manager**	**Mechanical Engineer**	**Site Civil / Grading**	**Utilities / Pipelines**	**Modeling / Hydraulics**	**Permitting**	**CADD Designer**	**Surveyor**	**Survey Crew**	**Project Admin**	**Principal in Charge, QA/QC**	**Project Manager**	**Project Engineer - Structures**	**Sr. Designer**	**Project Coordinator**
	Billing Classification:	**Principal Engineer II**	**Principal Engineer I**	**Principal Engineer I**	**Principal Engineer I**	**Principal Engineer I**	**Engineer II**	**Engineer III**	**Associate Engineer II**	**Engineer I**	**Associate Surveyor III**	**2-person Crew**	**Project Coordinator**	**Principal in Charge, QA/QC**	**Project Manager**	**Project Engineer - Structures**	**Sr. Designer**	**Project Coordinator**
	Personnel:	**K. Gustorf**	**K. Meier**	**P. Tobia**	**E. Gosse**	**K.. Mosca**	**L. Philbert**	**S. Reppert**	**T. Chamberlain**	**several**	**R. Sexton**	**2-person Crew**	**C. Levin**	**Tom Bloomer, PE**	**Karl Kuebitz, PE**	**Georgiana Mititel, EIT**	**Joel Reyes**	**Deborah Huntly-Playle**
TASK 1 - PROJECT ADMINISTRATION AND COORDINATION		**116**	**12**	**0**	**0**	**8**	**0**	**0**	**40**	**0**	**0**	**0**	**0**	**0**	**12**	**8**	**0**	**0**
Task 1.1 - Project Management		80																
Task 1.2 - Project Meetings and Workshops		24	12			8									12	8		
Task 1.3 - Stakeholder Coordination and Permitting		12							40									
PHASE 1 - PRELIMINARY ENGINEERING AND ENVIRONMENTAL PLANNING		**46**	**100**	**8**	**12**	**44**	**48**	**60**	**0**	**136**	**18**	**40**	**4**	**12**	**40**	**74**	**56**	**0**
TASK 2 - WATER DISTRIBUTION EVALUATION		**4**	**12**	**0**	**0**	**0**	**0**	**60**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Task 2.1 - Hydraulic Modeling		4	12					60										
TASK 3 - PRELIMINARY DESIGN REPORT		**16**	**64**	**8**	**12**	**40**	**0**	**0**	**0**	**120**	**0**	**0**	**4**	**12**	**32**	**64**	**48**	**0**
Task 3.1 - Reservoir Site Analysis		8	24			24				60				8	20	40	32	
Task 3.2 - Preliminary Design Report		8	40	8	12	16				60			4	4	12	24	16	
TASK 4 - UTILITY DOCUMENTATION, RIGHT-OF-WAY, PROPERTY AND UTILITY RESEARCH		**4**	**8**	**0**	**0**	**0**	**40**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Task 4.1 - Utility Research and Documentation		2	8				40											
Task 4.2 - Right-of-Way Cost Estimate and Planning		2									8							
TASK 5 - GEOTECHNICAL INVESTIGATIONS		**4**	**8**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**	**6**	**8**	**0**
Task 5.1 - Field Exploration		2													6	6	8	
Task 5.2 - Report Preparation and Analysis		2	8			4												
TASK 6 - TOPOGRPAHIC MAPPING AND SURVEY CONTROL		**4**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**8**	**32**	**0**	**0**	**0**	**0**	**0**	**0**
Task 6.1 - Field Survey		4	8							16	8	32						
TASK 7 - FIELD VERIFICATION OF EXISTING UTILITIES		**2**	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**2**	**8**	**0**	**0**	**0**	**0**	**0**	**0**
Task 7.1 - Potholing		2					8				2	8						
TASK 8 - CEQA ENVIRONMENTAL DOCUMENTATION		**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**4**	**0**	**0**
Task 8.1 - CEQA Kick-off		2																
Task 8.2 - Project Description		2																
Task 8.3 - Administrative Draft IS		2													2	4		
Task 8.4 - Public Review Draft IS-MND		2																
Task 8.5 - Final IS-MND		2																
Task 8.6 - Public Hearings		2																
PHASE 2 - DETAILED DESIGN PHASE		**46**	**260**	**30**	**44**	**84**	**44**	**0**	**36**	**640**	**0**	**0**	**32**	**14**	**40**	**136**	**152**	**12**
TASK 9 - PERMITTING, PROPERTY ACQUISITION AND INTERAGENCY AGREEMENTS		**6**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Task 9.1 - Permitting		2							24									
Task 9.2 - Fee Appraisal		2																
Task 9.3 - Acquisition and Negotiation		2																
TASK 10 - 50% DESIGN SUBMITTAL		**12**	**80**	**12**	**16**	**40**	**16**	**0**	**0**	**240**	**0**	**0**	**8**	**4**	**16**	**56**	**64**	**4**
Task 10.1 - 50% PS&E		12	80	12	16	40	16			240			8	4	16	56	64	4
TASK 11 - 75% DESIGN SUBMITTAL		**12**	**80**	**8**	**16**	**24**	**16**	**0**	**0**	**200**	**0**	**0**	**8**	**4**	**12**	**40**	**40**	**4**
Task 11.1 - 75% PS&E		12	80	8	16	24	16			200			8	4	12	40	40	4
TASK 12 - 90% & 95% DESIGN SUBMITTAL		**12**	**84**	**8**	**12**	**20**	**12**	**0**	**12**	**160**	**0**	**0**	**12**	**6**	**8**	**32**	**40**	**4**
Task 12.1 - 90% PS&E		8	60	6	12	20	12			160			8	4	4	24	24	4
Task 12.2 - 95% PS&E		4	24	2					12				4	2	4	8	16	
TASK 13 - 100% DESIGN SUBMITTAL		**4**	**16**	**2**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**0**	**4**	**0**	**4**	**8**	**8**	**0**
Task 13.1 - 100% PS&E		4	16	2						40			4		4	8	8	
PHASE 3 - BID/AWARD PHASE SERVICES		**10**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**14**	**16**	**16**	**0**
TASK 14 - ENGINEERING SERVICES IN SUPPORT OF BID/AWARD PHASE		**10**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**14**	**16**	**16**	**0**
Task 14.1 - Pre-Bid Meeting		2	2															
Task 14.2 - Addenda		2	4							4					4	12	8	
Task 14.3 - RFCs		2	4												4			
Task 14.4 - Bid Evaluation		2	2												2	4	8	
Task 14.5 - Conformed Drawings		2	2							8					4			
PHASE 4 - ENGINEERING SERVICES DURING CONSTRUCTION PHASE																		
TASK 15 - ENGINEERING SERVICES INSUPPORT OF CONSTRUCTION PHASE		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Task 15.1 - Xxxxxxxxx		ESTIMATE NOT REQUIRED AT THIS TIME																
TOTAL HOURS		**218**	**386**	**38**	**56**	**136**	**92**	**60**	**76**	**788**	**18**	**40**	**36**	**26**	**106**	**234**	**224**	**12**

Staffing Worksheet

COMPANY: Wood Rodgers Inc.

CLIENT: Dublin San Ramon Services District

PROJECT: Reservoir 20B (CIP 14-W008)

		Rincon Consultants, Inc.								*DTN Engineers, Inc.*			*ENGEO, Inc.*						*Monument*		*EXARO*				
TASK DESCRIPTION	Project Role:	**Principal II**	**Director I**	**Sr. Professional I**	**Professional IV**	**Professional III**	**GIS/CADD Specialist II**	**Production Specialist**	**Clerical**	**Project Manager**	**Electrical Engineer**	**CAD**	**Principal**	**Associate**	**Project Eng./Geo.**	**Staff Eng./Geo.**	**Project Assistant**	**Senior GIS Analyst**	**Project Manager**	**Sr. Agent**	**Foreman**	**Technician**	**Project Manager**	**Project Coordinator**	**Subtotal Hours**
	Billing Classification:	**Principal II**	**Director I**	**Sr. Professional I**	**Professional IV**	**Professional III**	**GIS/CADD Specialist II**	**Production Specialist**	**Clerical**	**Project Manager**	**Electrical Engineer**	**CAD**	**Principal**	**Associate**	**Project Eng./Geo.**	**Staff Eng./Geo.**	**Project Assistant**	**Senior GIS Analyst**	**Project Manager**	**Sr. Agent**	**Foreman**	**Technician**	**Project Manager**	**Project Coordinator**	
	Personnel:	**Jennifer Haddow**	**Darcy Kremin**	**Craig Lawrence/ Hannah Haas**	**TBD**	**TBD**	**TBD**	**TBD**	**TBD**	**D.Nguyen**	**T.Phi**	**L.Do**	**Macy Tong**	**Jon Boland**	**TBD**	**TBD**	**TBD**	**TBD**	**B. Morrison**	**J. Nied**	**TBD**	**TBD**	**Mario Lopez**	**Arthur Servin**	
TASK 1 - PROJECT ADMINISTRATION AND COORDINATION		**0**	**8**	**0**	**0**	**16**	**0**	**2**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**234**
Task 1.1 - Project Management																									80
Task 1.2 - Project Meetings and Workshops			8			16		2		12															102
Task 1.3 - Stakeholder Coordination and Permitting																									52
PHASE 1 - PRELIMINARY ENGINEERING AND ENVIRONMENTAL PLANNING		**17**	**37**	**25**	**48**	**270**	**20**	**24**	**8**	**12**	**0**	**0**	**18**	**40**	**4**	**26**	**12**	**10**	**20**	**0**	**32**	**32**	**11**	**1**	**1365**
TASK 2 - WATER DISTRIBUTION EVALUATION		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**76**
Task 2.1 - Hydraulic Modeling																									76
TASK 3 - PRELIMINARY DESIGN REPORT		**1**	**3**	**3**	**6**	**20**	**2**	**2**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**469**
Task 3.1 - Reservoir Site Analysis																									216
Task 3.2 - Preliminary Design Report		1	3	3	6	20	2	2		12															253
TASK 4 - UTILITY DOCUMENTATION, RIGHT-OF-WAY, PROPERTY AND UTILITY RESEARCH		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**0**	**0**	**0**	**0**	**0**	**80**
Task 4.1 - Utility Research and Documentation																									50
Task 4.2 - Right-of-Way Cost Estimate and Planning																			20						30
TASK 5 - GEOTECHNICAL INVESTIGATIONS		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18**	**40**	**4**	**26**	**12**	**10**	**0**	**0**	**0**	**0**	**0**	**0**	**146**
Task 5.1 - Field Exploration													8	16	2	10	6	4							68
Task 5.2 - Report Preparation and Analysis													10	24	2	16	6	6							78
TASK 6 - TOPOGRPAHIC MAPPING AND SURVEY CONTROL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**68**
Task 6.1 - Field Survey																									68
TASK 7 - FIELD VERIFICATION OF EXISTING UTILITIES		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**32**	**11**	**1**	**96**
Task 7.1 - Potholing																					32	32	11	1	96
TASK 8 - CEQA ENVIRONMENTAL DOCUMENTATION		**16**	**34**	**22**	**42**	**250**	**18**	**22**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**430**
Task 8.1 - CEQA Kick-off			2		6																				10
Task 8.2 - Project Description		1	1		6	8	4	1																	23
Task 8.3 - Administrative Draft IS		12	25	16	14	204	10	9	8																306
Task 8.4 - Public Review Draft IS-MND		1	2	4	8	14	2	8																	41
Task 8.5 - Final IS-MND		2	4	2	8	24	2	4																	48
Task 8.6 - Public Hearings																									2
PHASE 2 - DETAILED DESIGN PHASE		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**78**	**88**	**178**	**6**	**10**	**0**	**4**	**4**	**0**	**25**	**60**	**0**	**0**	**0**	**0**	**2023**
TASK 9 - PERMITTING, PROPERTY ACQUISITION AND INTERAGENCY AGREEMENTS		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**25**	**60**	**0**	**0**	**0**	**0**	**115**
Task 9.1 - Permitting																									26
Task 9.2 - Fee Appraisal																			20	30					52
Task 9.3 - Acquisition and Negotiation																			5	30					37
TASK 10 - 50% DESIGN SUBMITTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**28**	**30**	**70**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**696**
Task 10.1 - 50% PS&E										28	30	70													696
TASK 11 - 75% DESIGN SUBMITTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**24**	**44**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**552**
Task 11.1 - 75% PS&E										20	24	44													552
TASK 12 - 90% & 95% DESIGN SUBMITTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**20**	**24**	**44**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**510**
Task 12.1 - 90% PS&E										20	24	44													434
Task 12.2 - 95% PS&E																									76
TASK 13 - 100% DESIGN SUBMITTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**10**	**20**	**6**	**10**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**150**
Task 13.1 - 100% PS&E										10	10	20	6	10		4	4								150
PHASE 3 - BID/AWARD PHASE SERVICES		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**2**	**10**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**102**
TASK 14 - ENGINEERING SERVICES IN SUPPORT OF BID/AWARD PHASE		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**0**	**2**	**10**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**102**
Task 14.1 - Pre-Bid Meeting																									4
Task 14.2 - Addenda																									34
Task 14.3 - RFCs										2	2		2	10			4								30
Task 14.4 - Bid Evaluation																									18
Task 14.5 - Conformed Drawings																									16
PHASE 4 - ENGINEERING SERVICES DURING CONSTRUCTION PHASE																									
TASK 15 - ENGINEERING SERVICES INSUPPORT OF CONSTRUCTION PHASE		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Task 15.1 - Xxxxxxxxx		ESTIMATE NOT REQUIRED AT THIS TIME																							0
TOTAL HOURS		**17**	**45**	**25**	**48**	**286**	**20**	**26**	**8**	**104**	**90**	**178**	**26**	**60**	**4**	**30**	**20**	**10**	**45**	**60**	**32**	**32**	**11**	**1**	**3724**



Billing Rate Schedules



EXHIBIT "B"



PLEASANTON FEE SCHEDULE
Effective January 1, 2021

CLASSIFICATION	STANDARD RATE
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$255
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$225
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$215
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$205
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$195
Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$180
Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$170
Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$160
Assistant Engineer/Geologist/Surveyor/Planner/GIS/LA*	$130
CAD Technician III	$160
CAD Technician II	$145
CAD Technician I	$130
Project Coordinator	$140
Administrative Assistant	$120
1 Person Survey Crew	$215
2 Person Survey Crew	$315
3 Person Survey Crew	$405
Consultants, Outside Services, Materials & Direct Charges	Cost Plus 10%
Overtime Work	Rate Plus 50%

*LA = Landscape Architect

Blueprints, reproductions, and outside graphic services will be charged at vendor invoice. Auto mileage will be charged at the IRS standard rate, currently 57.5 cents per mile.

Fee Schedule subject to change January 1, 2022.

BRADY

Labor Category	Code	2020 Hourly Rates
Senior Program Manager / Senior Principal	P7	$305.00
Program Manager / Principal Engineer II	P6	$265.00
Managing Engineer / Principal Engineer I	P5	$225.00
Senior Engineer / Project Manager	P4	$185.00
Project Engineer	P3	$170.00
Staff Engineer	P2	$155.00
Associate Engineer	P1	$130.00
Senior Designer	D3	$175.00
Designer	D2	$130.00
Drafter	D1	$110.00
Senior Administrative Staff / Contracts	A3	$165.00
Admin Assistant, Project Coordinator	A2	$95.00
Reproduction Clerk, File Clerk, Data Entry	A1	$75.00
Construction Manager	CM3	$190.00 * (1)
Senior Construction Inspector	CM2	$170.00 * (1)
Construction Inspector	CM1	$155.00 * (1)

Standard Fee Schedule for Environmental Sciences and Planning Services

Professional, Technical and Support Personnel*	Hourly Rate
Principal II	$240
Director II	$240
Principal I	$220
Director I	$220
Senior Supervisor II	$205
Supervisor I	$195
Senior Professional II	$175
Senior Professional I	$160
Professional IV	$145
Professional III	$130
Professional II	$115
Professional I	$105
Associate III	$95
Associate II	$90
Associate I	$82
Project Assistant	$75
Senior GIS Specialist	$140
GIS/CADD Specialist II	$125
GIS/CADD Specialist I	$112
Technical Editor	$112
Production Specialist	$88
Clerical	$75

*Professional classifications include environmental scientists, urban planners, biologists, geologists, marine scientists, GHG verifiers, sustainability experts, cultural resources experts and other professionals. Expert witness services consisting of depositions or in-court testimony are charged at the hourly rate of $350.

Reimbursable Expenses

Direct Cost	Rates
Photocopies – Black and White	$0.20 (single-sided) & $0.36 (double-sided)
Photocopies – Color	$1.50 (single-sided) & $3.20 (double-sided)
Photocopies – 11 x 17	$0.50 (B&W) & $3.20 (color)
Oversized Maps	$8.00/square foot
Digital Production	$15/disc and $20/flash drive
Light-Duty and Passenger Vehicles*	$85/day
4WD and Off-Road Vehicles*	$135/day

* $0.65/mile for mileage over 50 and for all miles incurred in employee-owned vehicles.

Other direct costs associated with the execution of a project, that are not included in the hourly rates above, are billed at cost plus 15%. These may include, but are not limited to, laboratory and drilling services, subcontractor services, authorized travel expenses, permit charges and filing fees, mailings and postage, performance bonds, sample handling and shipment, rental equipment and vehicles other than covered by the above charges.

Payment Terms – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 10 days from receipt.

Due to COVID19 Rincon continues to offer 2019 rates, with no annual escalation for 2020. This represents ~4% discount.

Equipment	Day Rate
Environmental Site Assessment	
Brass Sample Sleeves, Bailers, Disposable Bailers	$25
Water Level Indicator, DC Purge Pump	$40
Hand Auger Sampler	$55
Oil-Water Interface Probe	$85
Four Gas Monitor or Photo-Ionization Detector	$120
Soil Vapor Extraction Monitoring Equipment	$140
Flame Ionization Detector	$200
Natural Resources Field Equipment	
Trimble GPS (sub-meter accuracy)	$190
UAS Drone	$250
Pettersson Bat Ultrasound Detector/Recording Equipment	$150
Spotting or Fiberoptic Scope	$150
Amphibian/Vernal Pool Field Package (digital camera, GPS, thermometer, decon chlorine, waders, float tube, hand net, field microscope)	$150
Remote Field Package (digital camera, GPS, thermometer, binoculars, tablet and mifi, Delorme Satellite Beacon, 24-hour safety phone)	$125
Sound Level Metering Field Package (anemometer, tripod and digital camera)	$100
Standard Field Package (digital camera, GPS, thermometer, binoculars, tablet, safety equipment, and botanic collecting equipment)	$95
Fisheries Equipment Package (waders, wetsuits, dip nets, seine nets, bubblers, buckets)	$50
Water Quality Equipment (DO, pH, turbidity, refractometer, temperature)	$55
Large Block Nets	$100
Minnow Trap	$85
Infrared Sensor Digital Camera or Computer Field Equipment	$50
Scent Station	$20
Laser Rangefinder/Altitude	$10
Net, Hand/Large Seine	$10/$50
Pit-fall Traps, Spotlights, Anemometer, GPS Units, Sterilized Sample Jar	$8
Mammal Trap, Large/Small	$1.50/$.50
Water and Marine Resources Equipment	
Refractometer (salinity) or Turbidity Meter	$35
Multi Parameter Sonde (temperature, conductivity, turbidity, DO, pH) with GPS	$150
Boat (20 ft. Boston Whaler or similar)	$300
Boat (26 ft. Radon or similar)	$550
Side Scan or Single Beam Sonar	$700
Underwater and Marine Sampling Gear includes: U/W Photo/Video Camera, SCUBA Equipment (tanks, BCD, regulators, wetsuits, etc.)	$50/diver
Marine Field Package: (personal flotation devices (PFDs), 100 ft. reel tapes with stainless carabiners, Pelican floats, underwater slates, thermometer, refractometer, anemometer, various field guides)	$50
Insurance, Hazard and Safety Fees	
L&H Dive Insurance	$50/diver
Hazard Premium (In or Underwater ONLY per/hour)	$1.25/hour
Level C Health and Safety	$60 person

ENGINEERS, INC.
Oakland, San Francisco, Orange County, CA
1305 Franklin street, Suite 206
Oakland, CA 94612
Phone: (510) 267-0441 – Fax: (510) 267-0443

RATE SCHEDULE

Effective 1-1-2021

Classifications	*Hourly rates*
Project Manager	**$275**
Senior Engineer	**$258**
Engineer 2	**$215**
Engineer 1	**$202**
CADD designer 1	**$133**
CAD operator	**$120**
Office Support	**$109**

This document is considered business confidential and must not be disclosed to third parties without written consent from DTN Engineers.

MONUMENT RIGHT-OF-WAY
2020 HOURLY RATE SCHEDULE

Right of Way Management & Implementation	
Program Manager / Principal	$250.00 per hour
Senior Project Manager	$165.00 per hour
Project Manager	$150.00 per hour
Senior Acquisition Agent / Senior Relocation Agent / Senior Analyst	$125.00 per hour
Acquisition Agent / Relocation Agent / Analyst	$105.00 per hour
Project Analyst	$90.00 per hour
Project Support / Administrative	
Project Support Specialist	$65.00 per hour
Administrative Assistant	$40.00 per hour

The above hourly rates are exclusive of local travel/mileage, photocopying, first class postage and overnight courier service. These expenses including out-of-pocket expenses such as pre-approved travel and lodging, outside exhibit preparation, requested overnight courier or registered and/or certified mail (return receipt requested) charges, and specialty reproduction (unless otherwise specified) are in addition to the contract amount and will be charged at cost plus ten percent (+10%) for administration, coordination, and handling. Subcontracted services, other than those listed above, will be invoiced at cost plus ten percent (+10%).

In the event Monument is required to perform any act in relation to litigation arising out of any project with the Client (for example, expert consulting, responding to a complaint, or proceeding with discovery and trial), such services are not part of this contract, nor are they part of our normal fees. If required, these types of services will be invoiced at two times the regular hourly rates.

In the event this contract extends twelve (12) months beyond the initial date of execution, the hourly rates and any remaining amount in the contract shall be adjusted upwardly by five percent (5%) per annum, compounded annually, on the anniversary date of this contract.

Written communication services in other languages would be an additional cost and would be billed separately based on quoted hourly rates by independent translation services. Verbal communication in Spanish, if necessary, will be included at no additional charge.

Monument will submit monthly invoices for the professional and trade services rendered based on the hourly rate schedule provided above. The client shall promptly pay the uncontested amount due within no more than thirty (30) days after receipt of invoice. Upon completion of services, the remaining unbilled amount of the project balance shall become immediately due and payable.

PREFERRED CLIENT FEE SCHEDULE
PROFESSIONAL SERVICES
Effective March 2020

President	$395.00 per hour
Principal	$298.00 per hour
Associate	$250.00 per hour
Senior Engineer/Geologist/Seismologist	$220.00 per hour
Project Engineer/Geologist/Seismologist	$198.00 per hour
Environmental Scientist	$182.00 per hour
Staff Engineer/Geologist/Seismologist	$178.00 per hour
Assistant Engineer	$140.00 per hour
Construction Services Manager	$175.00 per hour*
Senior Field Representative II	$153.00 per hour*/**
Senior Field Representative I	$138.00 per hour*/**
Field Representative	$128.00 per hour*/**
Environmental Technician	$130.00 per hour*/**
Senior Laboratory Technician	$155.00 per hour
Laboratory Technician	$140.00 per hour
Senior CAD Specialist	$148.00 per hour
CAD Specialist	$138.00 per hour
GIS Analyst	$153.00 per hour
Network Administrator	$195.00 per hour
Project Assistant	$119.00 per hour

* Two-hour minimum portal to portal and cancellations within 24 hours.

* OVERTIME RATES: Rates increased by factor of 1.5 for all hours worked in excess of eight (8) Monday through Friday, and the first eight (8) hours worked on Saturday. Rates increased by factor of 2.0 for all hours worked in excess of twelve (12) Monday through Friday, all hours worked in excess of eight (8) on Saturday and all hours worked on Sunday and holidays.

** For Prevailing Wage projects, increase the hourly rate by $15.

** Rates increased by factor of 1.25 for night shift hours (hours commencing after 4:00 p.m. or before 4:00 a.m.); rates increased by factor of 1.875 (an additional factor of 1.5) for all night shift hours in excess of eight (8).

ADDITIONAL SERVICES OFFERED

In addition to our core services of geotechnical, hydrologic and environmental engineering, including construction-phase testing and observation, ENGEO provides clients with services for establishment and management of Geologic Hazard Abatement Districts (GHAD) and for Entitlement and Permitting Support (EPS). For more information about these services and associated pricing, please contact ENGEO at (925) 866-9000.

OTHER FEES

- Equipment and materials will be charged in addition to the above hourly rates.
- Outside Consultants, Subcontracted Services and Equipment Rental ..... Cost plus 20%
- Deposition, Mediation, Arbitration, or Court Appearance (Minimum Charge) ..... $2,000.00 half day, $4,000.00 full day

TERMS

Invoices will be submitted at completion of work or at approximately four week intervals and are due and payable upon receipt. Statements will be issued at monthly intervals. Charges not paid within 30 days of invoice date will accrue a late charge at a rate of 1.5 percent per month. In the event it becomes necessary to commence suit to collect amount due, Client agrees to pay attorney's fees and costs, as the court may deem reasonable until amount is paid. Fees will be applicable for one year from the effective date above; thereafter, fees will be adjusted annually. Our fees will be billed using an invoice format produced by a standardized accounting software package. A more customized itemization of charges and backup data will be provided upon Client's requests, but at additional fees. Final reports may be withheld until outstanding invoices are paid in full.

Many risks potentially affect ENGEO by virtue of entering into this agreement to perform services on behalf of client. A principal risk is the potential for human error by ENGEO. For client to obtain the benefit of a fee that includes a nominal allowance for dealing with our liability, client agree to limit ENGEO's liability to Client and all other parties for claims arising out of our performance of the services described in the agreement. The aggregate liability will not exceed $50,000 (or ENGEO's fee, whichever is greater, but not more than $1,000,000) for professional acts, errors, or omissions, including attorney's fees and costs that may be awarded to the prevailing party and client agrees to indemnify and hold harmless ENGEO from and against all liabilities in excess of the monetary limit established above.

EQUIPMENT AND MATERIALS CHARGES

DESCRIPTION	COST PER UNIT ($)	UNIT
Air Content Meter	7.00	hour
Bailers (Disposable)	8.00	each
Concrete Crack Monitor	20.00	each
Coring Machine	25.00	hour
Double-Ring Infiltrometer	40.00	hour
Electronic Water Level Indicator	5.00	hour
Engineering Analysis Software	30.00	hour
Equipment Transport(er)	100.00	hour
Exploration Equipment (Percussion Penetrometer)	50.00	hour
Floor Flatness/Floor Level Equipment	40.00	hour
Generator	15.00	hour
GIS Website Portal Maintenance	100.00	month
GPR/GPS Handheld Device	10.00	hour
GPR/GPS/Drone Survey Grade Equipment	175.00	hour
Hand Auger and Soil Sampler	15.00	hour
Hydraulic Pull-Test Equipment	25.00	hour
Interface Probe	2.00	hour
Magnetic Particle Test Equipment	25.00	hour
Moisture Content Test Equipment	6.00	hour
Multi-Parameter Water Meter	15.00	hour
pH Meter/Turbidity Meter	10.00	hour
Photo Ionization Detector	15.00	hour
Pachometer	100.00	hour
Sampling Tubes	10.00	each
Sand Cone Equipment and Material	5.00	hour
Schmidt Hammer	20.00	hour
Seismometer	50.00	hour
Skidmore Wilhelm Bolt Tension Calib.	40.00	hour
Slope Inclinometer/Settlement Indicator/VW Readout	50.00	hour
Torque Wrench	15.00	hour
Transfer Pump	3.00	hour
Ultrasonic Equipment	50.00	hour
Vapor Emission Test Kit	40.00	kit
Vector Conversion	60.00	conversion
Vehicle, nuclear gauge, equipment, wireless communication. *Add $2.00/hr. for RTK enabled autotesting equipment.	28.00*	hour
Vehicle, equipment, wireless communication	19.00	hour
Vibration Monitor	1800.00	month
Water Sampling Pumps	20.00	hour
Bridge Toll	actual	actual
Mileage	.78	mile
Parking	actual	actual
AutoCAD, Civil 3D, GIS, Drone Data Processing	27.00	hour
Photocopies Black & White	0.25	each
Photocopies Color 11 x 17	1.50	each
Photocopies Color 8½ x 11	1.00	each
Plot - Black & White	3.00	square foot
Plot - Color	4.00	square foot
Postage	actual	actual
Scan - Black & White	1.50	each
Scan - Color	3.75	each
Telephone	0.50	minute

EXARO Technologies Corporation
1831 Bayshore Highway* Burlingame, CA 94010
[Tel] (650) 777-4324 [Fax] (650) 777-4326
General Engineering Contractor # 860376

SCHEDULE OF FEES

FULLY LOADED HOURLY CHARGES FOR PERSONNEL

Foreman	$ 209.94
Technician	$ 201.73
Project Manager	$ 242.68
Project Engineer Support	$ 102.09

OTHER CHARGES

Arrow Board	$ 155/day
Bobcat Loader	$ 400/day
Core Drill	$ 360/day
Electronic Detection Equipment	$ 110/day
Ground Penetrating Radar (GPR) Equipment	$ 275/day
Mini Excavator	$ 385/day
Tamper Jumping Jack	$ 100/day
Dump Truck	$ 320/day
Full Size Truck	$ 258/day
Pickup Truck	$ 210/day
Vacuum Excavation Truck	$ 900/day
Super Sucker Hydro Vacuum Truck	$1,350/day
Mobilization	Project Based
Subsistence	$ 150/night/person
Direct Project Expenses	Cost plus 15 %

NOTES (Field Services)

Overtime rates at 1.5 times the regular rates will be charged for work performed outside normal construction hours and all day on Saturdays. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day or on Sundays and holidays. Lead time for any requested service is 48 hours. Potholing rates are based on a 4-hour minimum for the first 4 hours and an 8-hour minimum for hours exceeding 4 hours. Field personnel are charged portal to portal.

TERMS AND CONDITIONS

The terms and conditions of providing our consulting services include our limitation of liability and indemnities as presented in Company Name's Work Authorization and Agreement.



Appendix



Resumes



KEVIN GUSTORF, PE

PROJECT ROLE
Principal-in-Charge / Project Manager

TITLE

Principal II

EDUCATION

BS, Civil Engineering, Loyola Marymount University, 1999

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Engineer, California No. 64755

Registered Professional Engineer, Nevada No. 018880

Qualified SWPPP Developer (QSD)

PROFESSIONAL AFFILIATIONS

American Council of Engineering Companies (ACEC), Sierra Chapter President

American Society of Civil Engineers (ASCE), Member, 337465

American Water Works Association (AWWA), Member, 00511135

Association of Water Agencies Ventura County, Member

Orange County Water Association (OCWA), Member, 861

Water Environment Federation (WEF), Member, 17557223

Certified Trainer for Accredited Project

Mr. Gustorf is a registered professional engineer with over 20 years of leadership and expertise in the water resources field. His experience in water resource engineering includes the planning, design, construction and management of a wide variety of projects for local municipal public works agencies, special districts and private sector clients throughout the state of California. His diverse project experience includes water and wastewater master planning, hydraulic modeling, hydraulic analysis and studies. He is an expert on several different modeling platforms and has conducted presentations on modeling throughout the Western U.S. Mr. Gustorf's design experience includes the design of water and wastewater pipelines, pump stations, lift stations, flow/pressure control facilities, wells, tanks and reservoirs. His projects have included both new design, as well as the repair and rehabilitation of existing facilities.

Mr. Gustorf has managed projects ranging from small task orders, to large multi-discipline, complex projects with multi-million-dollar design fees. As project manager, he has maintained the goal to deliver quality projects for clients, meeting the financial expectations of the firm. He has managed hundreds of projects, all of which have met or come below budgets. In addition, clients have executed follow-up on-call agreements due to the high-level of service and quality.

His Leadership style is built on integrity, trust and commitment. He collaborates and communicates well and is dynamic and adaptable while maintaining quality and timely delivery of project services.

EXPERIENCE

Santa Anita Reservoir No. 4 – Arcadia, California. City of Arcadia. Project Engineer for this project which provided preliminary and final design engineering for a buried 4.4-million-gallon reinforced concrete reservoir. Project included civil engineering, structural and electrical engineering, survey, mapping, and landscape architecture.

Thermal Energy Storage (TES) System – Los Angeles, California. University of Southern California. Project Engineer responsible for providing design services for a 3.0 MG pre-stressed concrete chilled water storage tank under Cromwell Field and a new pump house in the basement of Grace Ford Salvatori Hall; part of the university's new thermal energy storage system. Construction workers tunneled 17 feet underground to connect two 24-inch pipelines from the water tank to the pump house. The warm water coming back through these pipes will have a chance to chill overnight before it is recirculated, allowing the university to shift a lot of kilowatt-hour usage to off-peak hours at night, when electricity is less expensive.

Rosedale Development - Water Facilities Design (Monrovia) – Azusa, California. PLC Land Company. Served as the lead Project Engineer for the design of three reservoir structures and two pump stations to support the Rosedale Development in Azusa, CA. The reservoir design included two buried 3.3 MG pre-stressed concrete tanks and a 1.4 MG welded steel tank. Provided engineering services for the design of water facilities to serve the Rosedale Development in Azusa, California. The project included design of approximately 31,000 linear feet of domestic and raw water pipeline ranging from 12 inches to 42 inches in diameter, three reservoir structures, and two pump stations: 2,250-gpm pump station constructed within an existing building and an 1,150-gpm pump station constructed in a 40-foot-deep vault, with a new building constructed above. Each facility presented many unique challenges that were overcome with innovated design solutions. Prepared preliminary design reports and four separate bid packages, including construction plans, specifications, and cost estimates. The project also involved extensive coordination with the public agency, developer, land development engineer, and contractors to ensure all facilities were constructed on schedule.

Spring Canyon Reservoir and Pump Station – Newhall County, California. Newhall County Water District. Project Manager for a 1.85-million-gallon, above-grade, welded-steel reservoir and a 2,200-gallon-per-minute dual-zone booster station. Performed a hydraulic analysis and prepared a master plan document to determine the size and system layout for the extension of Newhall County Water District's (NCWD's) Pinetree Water System to supply the 500-unit Spring Canyon Development. The project included the preparation of a hydraulic model, master plan, preliminary design reports, and construction documents for the reservoir, the pump station, a disinfection facility, a pressure-reducing station, and miles of eight-inch to 20-inch water piping. The reservoir site included the

Management Training Program

WOOD RODGERS, INC. START DATE

April 23, 2018

design of a 2,300-linear-foot access road with a 16-inch water line, an 18-inch storm drain line, and a four-inch sewer line. The reservoir was equipped with an internal mixing system. Services included survey, mapping, grading, environmental, permitting, hydraulics, electrical and instrumentation, and structural design. Prepared the complete construction documents package, which included civil, electrical, instrumentation, and structural design. The pump station facility was designed to provide water to two pressure zones. The Zone 3 booster pumps included two 1,550-gallon-per-minute vertical turbine pumps to boost water from Zone 1 to the Zone 3 Spring Canyon Reservoir. The Zone 2 booster pumps included two 675-gallon-per-minute vertical turbine pumps, with future expansion to a third pump. The Zone 2 pumps include variable frequency drives and supply the Zone 2 system directly. The pump station is housed in a 1,800-square-foot block building, complete with separate electrical and mechanical rooms. The pump station includes a surge tank and generator. Prepared the complete construction document package, including survey, mapping, grading, hydraulic design, site civil design, electrical and instrumentation design, surge design, structural and architectural design, and mechanical and HVAC design.

Seismic Assessment of Steel Reservoirs – Orange County, California. Moulton Niguel Water District. Project Manager for this project to conduct a seismic, structural, mechanical, and safety assessment of 42 steel reservoirs. Evaluations and analysis were conducted for each tank by structural, civil/mechanical, and electrical engineering experts. The analyses included review and evaluation in the following categories: ring footing deficiency, freeboard deficiency, inlet/outlet piping, sample ports, safety, coating, cathodic protection, tank appurtenances, internal dive inspections, and geotechnical investigations. The final report included details of the findings and recommendations for improvements which was incorporated into a 20-year capital improvement program.

C1244 Frias 2635 Zone Reservoir / 2745 Zone Pumping Station – Clark County, Nevada, LVVWD. QA/QC Manager for the design of the Frias 2635 Zone Reservoir and 2745 Zone Pumping Station. The major project elements included: a 30 million gallon (MG) buried, reinforced concrete reservoir; a 53 MGD pumping station (expandable to 106 MGD); pumping station building and buried wet well (forebay) design; yard piping and valves ranging in size from 42-inch to 90-inch in diameter; disinfection facilities; associated electrical and instrumentation and control system design; and off-site street improvements on Cactus Avenue. The project required extensive coordination with Clark County, the Bureau of Land Management, the Mountains Edge Master Planned Community, NV Energy, and the Clark County Regional Flood Control District. The electrical design included 12.47 kV incoming metered electrical service, 12.47-4.16 kV transformer, 4.16 kV switchgear containing six 500 horsepower solid state starters and 480 Volt Motor control center feeding auxiliary loads. Additional services included Arc Flash study and analysis to determine appropriate Personal Protective Equipment (PPE) levels, short circuit analysis and coordination studies to select protective relay settings. PLC connection diagrams, loop diagrams, and equipment connection diagrams were also provided.

Crow Landing Industrial Business Park Water Pump Station – County of Stanislaus - Crows Landing, CA. Currently serving as the Task Manager for this multi-phased water pump station envisioned to supply water to a new industrial business park. The pump station, in its initial phase will house 5 pumps with a total capacity of 4200 gpm, with an onsite 1.2-million-gallon welded steel reservoir and hydropneumatic tank. To accommodate the planned growth of the business park, the pump station is designed with oversized pump cans for future pump upsize, as well as an additional can. Space planning for additional tanks, as well as architectural treatments were incorporated into the design to blend the facility in with the new economic hub.

PETER TOBIA, PE, LEED AP

PROJECT ROLE

QA/QC

TITLE

Vice President

EDUCATION

MS, Business Administration, California State University Sacramento

BS, Civil Engineering, University of California Davis

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Civil Engineer, California No. 49799

Leadership in Energy and Environmental Design Accredited Professional (LEED AP)

Qualified SWPPP Developer/Practitioner (QSD/QSP)

Mr. Tobia has 30 years of broad professional experience in the planning, engineering and management of underground utility projects. He has been the project manager and licensed professional responsible for a multitude public and private development projects, from master planning, engineering and environmental document coordination to specific drainage, sewer, and water master plans, capital improvement programs, public financing, and final design. His direct design experience also includes pump stations, tanks, site development, roadway design, and wet utilities. Mr. Tobia has extensive experience working for public agencies in northern California.

EXPERIENCE

CCC Auburn Campus Water Tank, Department of General Services – Auburn, CA Project Manager. Wood Rodgers prepared Plans and Specifications for the demolition of an existing concrete water tank and construction of a new bolted steel tank with a capacity of 160,000 gallons. The tank is located on a steep hillside above the main campus and required a high degree of geotechnical analysis. Retaining walls up to 12-feet in height were included to accommodate the tank and provide sufficient maintenance area. The tank is fed from a pump at the main campus and provides fire flow via gravity, due to its location 160-feet above the campus' structures. Additional aspects of the scope included preparing a water model and coordination with the State Fire Marshal to size the tank in accordance with rural area fire protection standards. Wood Rodgers was able to utilize the existing piping that ran to the original tank in order to reduce costs and minimize impacts to the environmentally sensitive hillside area.

On-Call Retainer Contract, Department of General Services – Northern California. Mr. Tobia has served as the Principal-in-Charge for this contract for the past 8 years, which has included two renewals. He has overseen over 50 assignments that have included a wide range of civil services including: Systems planning, modeling of gravity and force main systems, water quality improvements, tanks, pumping systems, and final design of sewer, water, and drainage pipelines.

West Village Offsite Infrastructure, UC Davis – Sacramento, California. Mr. Tobia was the Principal in charge for planning, design, and construction administration of $12 million of infrastructure improvements to support a new campus residential community. Work includes a new 300,000-gallon water tank and booster pump station; 2.6 mgd sewer lift station; five miles of sewer, water, and drainage piping; reconfiguration of existing power systems; and roadway improvements, including two multi-lane roundabouts.

Campus Utility Master Plans, Los Rios Community College District – Sacramento, California. Los Rios Community College District. Mr. Tobia served as Principal-in-Charge for the development of utility master plans at the District's three main campuses: Sacramento City College, Cosumnes River College, and American River College, with a combined enrollment of over 50,000 students. The utility master plan work included assessment of existing facilities, identification of improvements needed to serve future growth and modernization as well as address deficiencies, and development of a CIP program. Mr. Tobia has also led the implementation of multiple master plan projects with a combined construction value of $7 million.

West Village Offsite Infrastructure, UC Davis – Davis, California. Mr. Tobia was the Principal- in-Charge and project manager for planning, design, and construction administration of $12 million of infrastructure improvements to support a new campus residential community. Work includes a new water tank and booster pump station; sewer lift station; five miles of sewer, water, and drainage piping; and roadway improvements, including two multi-lane roundabouts.

Bridge District Infrastructure Improvements – City of West Sacramento, California. Mr. Tobia provided civil engineering design and oversight of design of wet utilities for the City's $15 million redevelopment of the infrastructure system serving the Bridge District. The Bridge District was historically an industrial area which the City desired to redevelop into an urban commercial, office and residential area of 12.5 million square feet of building space. Mr. Tobia guided the development of the sewer master plan, and was the Engineer of Record for a 3.6 MGD sewer lift station that tied into the City's network of force mains, requiring a detailed hydraulic analysis.

KARL F. MEIER, PE

PROJECT ROLE

Project Engineer

TITLE

Associate Engineer III

EDUCATION

BS, Civil Engineering, New Mexico State University, 2003

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Civil Engineer, California No. 71713

Registered Professional Civil Engineer, Washington, No. 52372

United States Army Corps of Engineers, Construction Quality Management (CQM) for Contractors Certification, SPK-USACE-02-18-00060

Occupational Safety and Health Administration, OSHA 30-Hour Construction Certification, No. 4163274

WOOD RODGERS, INC. START DATE

January 7, 2019

PREVIOUS FIRM EXPERIENCE

15 years

Mr. Meier has over 17 years of experience as both a consultant and as a District Engineer for a public agency. He has extensive experience in the preparation of comprehensive master plans for domestic water distribution systems and wastewater collection systems for large municipal systems, as well as the design of wastewater infrastructure such as pipelines and pump stations. Mr. Meier also has construction management and inspection experience related to public works projects including water infrastructure, park improvements, and ADA improvements. He is extremely proficient with a variety of software applications including Microsoft Office Suite (Excel, Word, PowerPoint, Project), AutoCAD, H2OMAP hydraulic modeling software (Water and Sewer), InfoWater and InfoSewer hydraulic modeling software.

EXPERIENCE

Regional Recharge and Recovery (R3) Project – Mojave Water Agency, California. Served as a Project Engineer on this large project and assisted with developing the plans and specifications for over 14 miles of large diameter steel pipe ranging in size from 24-inch to 48-inches as well as the pump station and reservoir facility consisting of a 13,500 gpm pump station and 2.65 MG welded steel reservoir. The Regional Recharge and Recovery (R3) Project makes use of available aquifer storage capacity in the Mojave basin to enhance the regional supply of water and provide facilities to deliver water to various water retail agencies in the region. For this first phase of the R3 project, MWA intends to annually recharge an average of approximately 15,000 acre-feet of State Water Project water into the Mojave ground water basin, which would be available for recovery by pumping a series of extraction wells, located downstream of the recharge area. The pumped ground water will go into a transmission system, be disinfected at a central disinfection facility, and then be delivered to various water retailers in the local area. Due to hydraulic and operational requirements of the R3 system, an intermediate storage reservoir and pump station will also be constructed, and connected to a terminal reservoir.

Spring Canyon Reservoir – Santa Clarita, California. Served as Project Engineer for the planning and design of a new 1.85 MG welded steel reservoir that included an on-site chlorine generation system. Responsible for civil and mechanical design elements.

Crow Landing Industrial Business Park Water Pump Station – County of Stanislaus - Crows Landing, CA. Currently serving as the QA/QC Manager for this multi-phased water pump station envisioned to supply water to a new industrial business park. The pump station, in its initial phase will house 5 pumps with a total capacity of 4,200 gpm, with an onsite 1.2-million-gallon welded steel reservoir and hydropneumatic tank. To accommodate the planned growth of the business park, the pump station is designed with oversized pump cans for future pump upsize, as well as an additional can. Space planning for additional tanks, as well as architectural treatments were incorporated into the design to blend the facility in with the new economic hub.

Water System Condition Assessment – Scotts Valley Water District, California. Served as the Project Engineer for this condition assessment and master plan which evaluated the physical condition of the Scotts Valley Water District potable and recycled water facilities (with the exception of the recycled water treatment plant) and used information collected during site inspections, review of District records and interviews with staff to identify and prioritize capital improvement projects based on the current age, condition and expected remaining useful service life of these facilities.

Hillcrest and Silverado Highlands Pump Station Replacement Project – City of Napa, CA. As Design Manager, Karl is currently providing design services for this project, which consists of the simultaneous design of two potable water pumping stations for the City of Napa. In the fall of 2017, the Atlas Fire burned over 51,000 acres including two of the City's potable water pump stations, the Hillcrest Pump Station and the Silverado Highlands Pump Station. Both pump stations are located on space constrained sites that currently contain temporary pumping units, necessitating an efficient layout of the pumping facilities and sites to provide adequate access for future operations and maintenance activities. Both pump stations will include a new CMU block building and will have a diesel emergency generator.

SHIRLEY REPPERT, EIT

PROJECT ROLE

Pressure Zone/Hydraulic Evaluation

TITLE

Assistant Engineer

EDUCATION

BS, Civil Engineering, Virginia Polytechnic Institute and State University, 2010

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Engineer-in-Training,

WOOD RODGERS, INC. START DATE

June 17, 2019

Ms. Reppert is an assistant engineer with over eight years of experience in the field of water resources engineering. She has experience with water, wastewater, recycled water, and large transmission pipelines. Ms. Reppert prepares water studies, sewer studies, water supply assessments, technical memos, and proposals. Her range of experience includes pipeline design, trenchless design, design of sewer lift stations, and the development of hydraulic models. She is proficient in Microstation, AutoCAD, InfoSWMM and InfoWater.

EXPERIENCE

DESIGN EXPERIENCE

Cowan Heights System Hydraulic Model Update and Zone Realignment Study – Golden State Water Company, California, California. 2019. Serving as the Project Engineer responsible for validating and calibrating a hydraulic model of the entire water distribution system to conduct an evaluation of Golden State Water Company's system operation. Wood Rodgers is providing recommendations to modify pressure zone alignment(s) and boundaries, address hydraulic constraints, and develop a capital improvement plan.

Hillcrest and Silverado Highlands Pump Station Replacement Project – City of Napa, CA. Shirley is currently serving as the Lead Design Engineer providing design services for this project, which consists of the simultaneous design of two potable water pumping stations for the City of Napa. In the fall of 2017, the Atlas Fire burned over 51,000 acres including two of the City's potable water pump stations, the Hillcrest Pump Station and the Silverado Highlands Pump Station. Shirley was directly responsible for using the City's InfoWater hydraulic model to develop system curves for both pump stations, select pumping units and for leading the mechanical design effort for the pump stations.

EDM 1 and EDM 2 Water Main Relocations - El Dorado Irrigation District, California. 2019. Served as the Assistant Project Engineer responsible for supporting the pipeline design team. As part of the Caltrans Camino Safety Improvement Project, Wood Rodgers is providing design services to relocate approximately 1,200 feet of 30" and 1,000 feet of 36" AWWA C303 concrete cylinder pipe outside of the roadway improvement limits. The project, which has an accelerated schedule, requires coordination with the EID as well as Caltrans to ensure all stakeholder requirements are met.

City of San Diego Water & Sewer Group Job 697A. 2019. Serving as the Lead Project Engineer responsible for providing technical support services to the City of San Diego for the underground tunneling design during the construction phase. The City of San Diego Public Works Department completed the in-house design of the Sewer and AC Water GJ 697A Project which included approximately 900 feet of trenchless construction in two separate areas crossing Caltrans right-of-way as well as a biologically sensitive area. Wood Rodgers is providing processing of tunnel classification permits with the State of California DIR Division of OSHA Mining and Tunneling Unit, is reviewing contractor submittals, reviewing contractor requests for information and is providing technical support to the City as-needed for this portion of the work.

Pure Water Program North City Conveyance System Pipeline – City of San Diego, California. Served as the Lead Project Engineer responsible for all design elements for this large diameter pipeline project. As part of the Phase I North City Pump Station and Pipeline project, provided final design of 3.5 miles of 48-inch diameter welded steel pipeline that will convey advanced treated water for surface water augmentation from the City's North City Treatment Reclamation Plant to the Miramar Reservoir. The project is part of the phased, multi-year San Diego Pure Water Program, which will provide one-third of the City's water supply locally by 2035. This portion of the pipeline includes two 60-inch trenchless sections (jack and bore) and one aerial span above an existing MTS/NCTD railway facility.

EDWARD GOSSE, PE

PROJECT ROLE

Mechanical

TITLE

Associate Engineer III

EDUCATION

BS, Mechanical Engineering, California State University Sacramento, 1998

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Mechanical Engineer, California No. 32246

California SWRCB Water Treatment Operator Grade T1, No. 37486

WOOD RODGERS INC. START DATE

May, 23, 2013

Mr. Gosse has over 22 years of experience as a mechanical/process engineer and technical leader. His professional experience encompasses feasibility planning, design and engineering, technical leadership, construction engineering support, and startup operations for a wide variety of agricultural and municipal water and wastewater projects. He has served in lead design and supervisory roles on numerous projects, and is adept at working with intra-disciplinary teams.

He has authored feasibility memos and reports, and has performed detailed engineering and design for raw, treated, storm, and waste water pump stations, chemical treatment systems, trash racks, fish screens, and other process equipment. Specialty areas of design include conventional and injection/extraction well equipping, pump stations, chlorination and fluoridation treatment, aeration treatment, vacuum pump assisted siphons, sediment suspension systems, solids handling, and various other aspects of water treatment and conveyance. He has also provided startup assistance through troubleshooting and diagnosing operational issues for multiple projects.

EXPERIENCE

University of California, Davis, UCD Booster Pump Station – Davis, California. Mr. Gosse served as lead mechanical engineer for the University's new three-pump, 2,350 gpm potable surface water booster pump station. The design consists of three vertical turbine pumps in pressurized and vented suction cans housed in a forced air ventilated masonry block building. Mr. Gosse provided detailed design for the pump hydraulics and piping configuration, which included a split for a separate tie-in the campus irrigation loop. Mr. Gosse also provided the controls and set-points for regulating flow output amongst the different and varying potable water and utility water pressure loops and simultaneously satisfy the University's requirement for fulfilling a predetermined daily ordered water volume.

Sacramento Suburban Water District, Rutland Production Well and Pumping Plant – Sacramento, California. Mr. Gosse performed the preliminary design for the initial site layout recommendations for the mechanical equipment for the district's new well pump facility located at the back side of Charles Peck Elementary School. The design of the facility consists of a 1,500 gpm submersible vertical turbine well pump, a masonry building to house indoor electrical and chemical equipment, a natural gas generator, as well as provisions for future filtration treatment and a future backwash holding tank if needed. Mr. Gosse provided construction support services, leading submittal reviews and responses to requests for information, and ensuring timely responses were provided to help expedite construction.

City of Sacramento Department of Utilities, Shasta Park Water Facility – Sacramento, California. Mr. Gosse served as the lead mechanical engineer for project including design for a well system capable of 5,000 gpm to include removal of methane and manganese from their Shasta Park Deep and Intermediate Wells. The project team was responsible for aeration, filtration, gaseous chlorine and fluoride designs for the City of Sacramento's Conjunctive Use Project. In addition, the project had a 1500 square foot CMU Control Building to house the chemical and electrical systems, equipped with a monorail for a dual one-ton cylinder gaseous chlorine system and a fire suppression system. The methane treatment system consisted of an aeration tower, blower and sump to collect the cascading water after air stripping is complete. The water is then pumped from the sump through the pressure filters and into the 4,000,000-gallon storage tank. The two pressure filters are supported by a backwash tank and backwash system that relies on treated supply water to backwash the media.

Madera MD33 New Well and Pump Project – Madera County, California. Mr. Gosse was the Project Engineer for the design of the MD33 Fairmead Project. The project included drilling of a test well to evaluate water quality, a feasibility study, a rate study to support the Proposition 218 process and design of the above grade infrastructure to tie in the new well to the existing 212,000 gallon above grade water storage tank. The well pump design included a 260 gpm submersible motor, reduced voltage soft start, well pedestal, valves and meter plus a tie in to the existing 6-inch gate valve to the inlet of the tank.

KARRIE MOSCA, PE

PROJECT ROLE

Site Civil/Grading

TITLE

Principal, Engineer I

EDUCATION

BS, Civil Engineering and Environmental, University of California Davis, 1996

REGISTRATIONS/ CERTIFICATIONS

Registered Professional Engineer, California No. 60815

EXPERTISE

Engineering Design

Project Management

Strategic Planning

Feasibility Analysis

Stormwater Compliance

Specific Plan Infrastructure

Master Utility Plans

CEQA Review

Problem Resolution

Client Marketing

Cost Estimating

Team Collaboration

Budgeting

WOOD RODGERS, INC. START DATE

September 18, 2013

Ms. Mosca has 24 years of experience in civil engineering; planning and design of private master planned communities; major and minor subdivisions; and public roadway and infrastructure projects. She has been Instrumental in facilitating communication and coordination between fellow project design professionals, the project clients, and jurisdictional representatives in order to provide a smooth and productive journey through the development process. She is known for her dedication and loyalty to her clientele and projects providing quality design and management skills that have led to the successful completion of over 30 projects throughout the bay area and the construction of more than 2,000 single family residential homes.

EXPERIENCE

Shady Willow Lane & Empire Avenue Projects – Brentwood, California. Shady Will Lane and Empire Avenue area two arterial roadways located in the northwest area of the City of Brentwood. Shady Willow Lane extends from Lone Tree Way along the City's northern boundary to Sand Creek Road and is approximately 1.3 miles in length. Empire Avenue is approximately 3.5 miles in length and begins in the City of Oakley to the north, extending south to its terminus at Shady Willow Lane in the City of Brentwood. Ms. Mosca prepared construction documents including detailed cost and bond estimates for the construction of one-half mile of Shady Willow Lane between the East Bay Municipal Water District Right of Way (EBMUD) and Sand Creek and the southerly 2,000 linear feet of Empire Avenue from EBMUD to the intersection at Shady Willow Lane. The project included a bridge over Sand Creek, a concrete slab over EBMUD at Empire Avenue, three new traffic signals and an at grade pedestrian traffic signal at Sand Creek and Shady Willow Lane.

Sand Creek Road – Brentwood, California. Sand Creek Road is a major east-west arterial roadway in the City of Brentwood connecting the Highway 4 Bypass on the east to Brentwood Blvd (Hwy 4) on the west. It is approximately 2.5 miles in length. Ms. Mosca, while with another firm, prepared plans, specifications and estimates for the construction of 1 mile of the central portion of this roadway from Linden Street on the west to the Union Pacific Railroad on the east. The project included the widening of an existing box culvert over Sand Creek Road at Fairview Avenue, and two pedestrian/bike trail undercrossings to connect to the City's Sand Creek and Marsh Creek Trail Systems. A new traffic signal at Minnesota Avenue and a traffic signal modification at Fairview Avenue were also a part of the project. The original roadway project was completed for the City of Brentwood. Ms. Mosca also worked for Ponderosa Homes to prepare construction plans for the completion of the roadway to fulfill Ponderosa's obligations on the adjacent developments, Crossroads and Crossroads II.

Mountain House Parkway and Byron Road – Mountain House, California. Ms. Mosca is currently serving as the project manager road reconstruction and widening of Mountain House Parkway and Byron Road. The project extends approximately 1,500 lf along Bryon Road east and west of the intersection with Mountain House Parkway and 1,800 lf along Mountain House Parkway south of Byron Road. Improvements include Grading, drainage, utility design, traffic signals and coordination of Rule 20 overhead to underground conversion. Ms. Mosca is working with the Mountain House Services District and the developer on traffic phasing for these highly traveled, rural roadways The design is complete and final approvals are in process for construction in Spring 2019.

Albion Road – San Ramon, California. Project Engineer for the design and preparation of final PS&E for Albion Road Rehabilitation. Albion Road was experiencing excessive heaving and settlement between Ashbrook Lane and Silva Way. A field survey was completed to determine the extent and severity of the pavement distress along Albion Way. Several rehabilitation options were investigated and reviewed with City staff. Final construction plans were then prepared which included pavement reconstruction and overlays, and the replacement of damaged curb, gutter, and ADA ramps.

Clay Bank Road and Air Base Parkway – Fairfield, California. Ms. Mosca was the project manager and engineer for over 2,000 lf of road reconstruction and widening. Grading, drainage,

utility design and traffic signals and coordination of Rule 20 overhead to underground conversion were all included in the design. Design of nearly 1,500 lf of a 27" sanitary sewer main for the Fairfi4ed-Suison Sewer District was also an integral part of this project. Construction began in early 2018 and is currently in process.

9th Street West of 2nd Avenue – Marina, California. Ms. Mosca was the project manager and engineer for over 2,000 lf of new road construction. This segment of roadway provides access to the newly constructed Major General William H. Gourley VA-DoD Outpatient Clinic the first of its kind serving thousands of active and retired veterans. The project included Grading, drainage, utility design and a large central roundabout near the entrance to the VA Clinic. Th project was completed in 2016 and the Clinic opened shortly thereafter.

1980 Tarob Court – Milpitas, California. Project Manager to realign Road and construct drainage improvements. The project also includes pedestrian facilities including a Class I trail.

Sonoma Avenue – Livermore, California. Project Manager for 54 Single Family residential lots. Development includes public street geometric and vertical design, utilities, grading and storm water treatment design, Existing street improvements to include removal and replacement of existing curb and gutter, realignment and upsizing of existing underground utilities.

Contra Costa County On-call Civil Engineering Services – Martinez, California. Ms. Mosca is currently serving as the Project Manager for this three-year, on-call contract to provide civil engineering consulting services for public works infrastructure projects. As part of this on-call and project specific contract, the anticipated projects will include full and complete plans, technical specifications and cost estimates, topographic and right of way surveys, and other duties as necessary to support Countywide roadway, pedestrian and bike facility projects.

City of San Ramon On-call Surveying and Engineering – San Ramon, California. Ms. Mosca is currently serving as the Project Manager for the City of San Ramon to perform surveying and miscellaneous civil engineering consulting services. The services will be on an "as needed" basis and the scope of the services will be determined when such services are requested on a task basis. The work generally consists of providing surveying and miscellaneous civil engineering consulting services routinely needed for public works projects. The work includes miscellaneous minor civil engineering design and drafting, plan-checking, the preparation of construction plans and specifications, site surveying, and construction staking. The work will also include traffic engineering services.

Barrington - Brentwood, California (Standard Pacific Homes). Ms. Mosca was the project manager and engineer for this 160-acre residential subdivision that included 494 residential units and neighborhood parks. This project included major arterial roadway widening (Lone Tree Way), infrastructure and subdivision design and final map preparation, detailed construction cost estimates, coordination and processing of roadway crossing of EBMUD Mokelumne Aqueduct and Contra Costa County Flood Control Channel.

Prewet Ranch - Brentwood, California (Suncrest Homes). Ms. Mosca was the project manager and engineer for this 127-acre residential subdivision that included 240 single units and neighborhood parks. This project also included the design of a detention basin, design review processing, infrastructure and subdivision design and final map preparation, and detailed construction cost estimates.

Danville Hotel - Danville, California (Castle Companies). Ms. Mosca was the project manager and engineer for this 1.2-acre residential subdivision that included mixed-use redevelopment. This project also included the preparation of a tentative map, storm water control plan, and preliminary site design (paving, drainage, and utilities).

LUCAS C. PHILBERT, EIT

PROJECT ROLE

Utility Research/Pipeline

TITLE

Engineer II

EDUCATION

MS, Water Engineering, California Polytechnic, San Luis Obispo, 2015

BA, Environmental Studies/Economics, University of California, Santa Cruz, 2008

REGISTRATIONS

Registered Engineer-in-Training, California No. 154328

PROFESSIONAL AFFILIATIONS

California Water Environment Association (CWEA), Member

American Society of Civil Engineers (ASCE), Member

WOOD RODGERS, INC. START DATE

September 19, 2018

Mr. Philbert is a Project Engineer with several years of experience in water, wastewater, and recycled water projects. His project experience covers a wide range of assignments in planning, design, and project management, including: infiltration/inflow studies, hydraulic modeling, funding support, regulatory compliance, feasibility studies, plans and specifications, and construction management. Luke has provided engineering design services for new pipelines, wells, pump stations and reservoir projects.

EXPERIENCE

EDM 1 and EDM 2 Water Main Relocations – El Dorado Irrigation District, California. Project Engineer. As part of the Caltrans Camino Safety Improvement Project, Wood Rodgers is providing design services to relocate approximately 1,200 feet of 30" and 1,000 feet of 36" AWWA C303 concrete cylinder pipe outside of the roadway improvement limits. The project, which has an accelerated schedule, requires coordination with the EID as well as Caltrans to ensure all stakeholder requirements are met.

Crow Landing Industrial Business Park Water Pump Station – County of Stanislaus - Crows Landing, CA. Currently serving as the Project Engineer for this multi-phased water pump station envisioned to supply water to a new industrial business park. The pump station, in its initial phase will house 5 pumps with a total capacity of 4200 gpm, with an onsite 1.2-million-gallon welded steel reservoir and hydropneumatic tank. To accommodate the planned growth of the business park, the pump station is designed with oversized pump cans for future pump upsize, as well as an additional can. Space planning for additional tanks, as well as architectural treatments were incorporated into the design to blend the facility in with the new economic hub. Luke prepared a hydraulic model of the ultimate buildout of the water system, and prepared a water study to identify ad size the backbone facilities required to serve the project.

Wellhead and Tank Plans and Specifications – Guadalupe, California. Project Engineer. Updated construction specifications for the Obispo Street Water Storage Tank No. 2 and DJ Farms Well. Topics include coatings and cathodic protection, protecting underground utilities, leakage and infiltration, disinfection, and SCADA. Specifications include descriptions, submittals, materials, and execution.

Branch Street Waterline Replacement Project – Nipomo Community Services District, California. Project Engineer. Responsible for design and drafting oversight for approximately 1,500 LF of new PVC waterline and the abandonment of approximately 3,000 LF of Asbestos Cement Pipe. Prepared design plans and exhibits for the waterline replacements.

MCWD Water Master Plan Report, Marina Coast Water District – Marina, California. Project Engineer. Lead author on two reports for MCWD's Water Master Plan. 1) Groundwater Quality and Seawater Intrusion. 2) Water Supply & Storage Evaluation, which included an analysis on groundwater, surface water, stormwater, exchanges, future water projects, basin management, water rights, and water supply augmentation.

Tognazzini Street Well Plans and Specifications – Guadalupe, California. Assistant Engineer. Updated construction specifications for the Tognazzini Well Field Evaluation. Specifications include coatings and cathodic protection, protecting underground utilities, leakage and infiltration, disinfection, and SCADA. Parts include descriptions, submittals, materials, and execution.

RYAN SEXTON, PLS

PROJECT ROLE

Surveying + Mapping

TITLE

Senior Land Surveyor

EDUCATION

BS, Physical Geography, California State University, Santa Barbara, 1999

MA, Modeling, Measurement and Computation, California State University, Santa Barbara, 2002

REGISTRATIONS/ CERTIFICATIONS

Professional Land Surveyor, California No. 9177, 2014

WOOD RODGERS, INC. START DATE

March 30, 2015

Mr. Sexton is a licensed Land Surveyor in the State of California and has 18 years of experience in the geospatial disciplines including land surveying, GIS, remote sensing, cartography and related fields. A Bachelor of Science and a Masters of Arts from the Geography Department at the University of California at Santa Barbara provide the foundation for his career. Mr. Sexton has worked on a variety of projects in the private sector for clients like Apple, Google, and Tesla; as well as public agencies including the cities of San Francisco, Mountain View, Redwood City, San Jose, EBMUD, CalWater, and many others. Mr. Sexton has extensive experience in all aspects of surveying both in the field and office.

EXPERIENCE

Arroyo Grande Bridge Replacement at Dry Creek – Livermore, California. Mr. Sexton is overseeing the survey and mapping effort for this project to replace the existing bridge on Arroyo Road at Dry Creek, outside of the southern boundary of Livermore, CA. This is a primarily FHWA funded project. All work will comply with FHWA and Caltrans requirements. In addition, the City of Livermore and LARPD have requested to upgrade the bridge to provide a Class 1 bicycle trail on the bridge. Funding for this additional work will be provided by local sources, which requires the identification and management of participating and non-participating project components. Construction phasing will address traffic handling through the construction area with minimal delays and disruption. The replacement bridge and roadway approaches will correct substandard geometrics and provide a vital link to valuable regional resources, both natural and economic.

Santa Cruz County Alta Via Road Storm Damage – Santa Cruz, California. Mr. Sexton is managing the survey effort for this project to repair a storm damaged stretch of Alta Via Drive, a narrow, 9-foot-wide, two-way roadway. During the February 2017 winter storms, heavy rain runoff cascaded over the uphill (inboard) side of the roadway spilling onto the asphalt pavement and continuing over the downhill (outboard) side. The large volume and high velocity of the rain runoff caused damage to the roadway asphalt pavement and underlying embankment resulting in the roadway cracking and slipping downhill. Project tasks will include repair of the roadway, and evaluation of alternatives and design for either a soldier pile/timber lagging wall, a soil nail wall, or a gabion basket retaining wall. The retaining wall will be approximately 40 feet long and placed along the top of the downhill (outboard) side of the roadway. The cracked ac pavement will be removed and the embankment over excavated and replaced with new compacted embankment and pavement behind the retaining wall. Improved drainage, including underdrains, ditches, and dikes will also be provided.

Santa Cruz County Cox Road Storm Damage – Santa Cruz, California. Mr. Sexton is managing the survey effort for this project to repair a storm damaged stretch of Cox Road, a narrow 22-foot-wide asphaltic concrete (AC/HMA) surface with two traffic lanes. During the January 2017 storms, heavy rains and storm run-off saturated soils on the steep hillside downslope of Cox Road resulting in a large slope failure. Project tasks will include a soldier pile retaining wall with timber lagging, steel walers, and grouted tiebacks. Additional improvements for limited drainage measures and AC/HMA reconstruction are included. The retaining wall will be approximately 110 feet long and constructed along the top of the outboard side of the roadway. Funding for the project has been obtained from the Federal Emergency Management Agency (FEMA) and California Office of Emergency Services.

City of Concord, On-Call Contract – Cambridge Safe Routes to School Improvements, Concord, California. Managed surveying for the preparation the topographic surveys and needed plats and legal descriptions for the project. Wood Rodgers also assisted with the preparation of street improvement plans, signing and striping plans, miscellaneous construction details, and quantity and cost estimates.

Oakland Bay Trail – Oakland, California. Mr. Sexton provided field surveys and prepared plats and legal descriptions for easements for the paths and for the temporary construction easements for this 2,000-foot section of this project. Initial tasks included developing conceptual

trail alignments across three industrial properties in conjunction with the City, preparation of preliminary construction cost estimates, and determining regulatory agency permitting requirements and timelines for obtaining approvals. Once agreements were reached with the local property owners, the 35% conceptual plans and profiles were prepared for the Bay Trail pathway crossing of the three properties; updating preliminary construction cost estimate to construct the pathway; and provided boundary verification/field surveys, prepared base maps, legal descriptions, and plats.

Fruitvale Crossing, Oakland Bay Trail – Oakland, California. Mr. Sexton is the Lead Surveyor for this project to perform field survey and topographic mapping and prepared concept trail plans showing the alignment and profile for an accessible 12' width pedestrian/bicycle path gap closure. Typical Sections were prepared to show differing conditions along the path alignment. The Wood Rodgers team met with the City representatives and the property owner to review the conceptual trail exhibits and obtain input on the project and feedback on the concept plans. Following the meeting with the property owner, the preliminary concepts and plans were modified to address the concerns of the property owner and 30% design plans and construction cost estimates were prepared. The City is in negotiations with the property owner on the final alignment.

City and County of San Francisco On-Call Surveying and Mapping Services – San Francisco, California. Mr. Sexton played a key role in several survey and mapping projects in San Francisco. The projects were all initiated through the Bureau of Street-Use and Mapping for various public agencies in San Francisco. Specifically, Mr. Sexton led Phase 2 of the Westside Recycled Water Project which included supplemental topographic surveying of 6 miles of roadways in San Francisco along Oak Street, through Golden Gate Park, and areas directly north and south of the park. The supplemental survey included identification of surface utilities within the roadways, trees, curbs and other hard scape features obscured by trees from the Phase 1 aerial survey. All aspects of the project were managed by Mr. Sexton. This included project control, survey crew scheduling, QA/QC, adhering to SF AutoCAD standards, frequent communication with the client, field data documentation including field notes, photos, sewer/storm pipe invert information and coordination with a local sub consultant (KCA Engineers) to complete the project.

Santa Clara Valley Water District On-Call Surveying and Mapping Services – Santa Clara, California. Mr. Sexton was part of the team that provided surveying and mapping services to the District for maintenance of their extensive vertical control network. SCVWD maintains hundreds of benchmarks throughout Santa Clara Valley for public benefit as well as compliance with the National Flood Insurance Program. Each monument must be validated on a 5-year cycle and Mr. Sexton coordinated efforts with field crews and the District to run digital levels throughout the network. Mr. Sexton also played a key role in mapping cross sections of various streams and channels for use in hydrologic modeling.

Alameda County Water District Reservoir Monitoring – Alameda, California. Mr. Sexton managed the monitoring of five reservoir structures used by ACWD for storage of drinking water as required by the Division of Safety of Dams. Offsite and onsite control is utilized to monitor the movement or settling of each structure over the life of the facility. Mr. Sexton directed field crews to complete the monitoring, process and checked the data and then compiled the data in the required format.

On-Call Surveying, City and County of San Francisco, California. Mr. Sexton managed various topographic and boundary surveys for the Bureau of Street-Use and Mapping in the Department of Public Works. The Westside Recycling project in particular covered approximately five miles of city streets near Golden Gate Park.

California Water Service, Well Station 108 – Salinas, California. Mr. Sexton provided topographic, boundary surveying, and construction staking.

Santa Cruz County Sanitation District, On-Call Surveying Services – Santa Cruz County, California. Mr. Sexton was responsible for project-specific topographic, boundary and construction staking for force main sanitary sewer, pump stations, and fence construction.

BRADY

Tom Bloomer, P.E.

QA/QC & Principal in Charge



PROFESSIONAL EXPERIENCE BEGAN
1999

JOINED FIRM
2020

EDUCATION
B.S., Civil Engineering, San Diego State University, CA, 1999

LICENSES / CERTIFICATIONS
Professional Civil Engineer, California, No. C64361, Exp. June 2021

PROFESSIONAL AFFILIATIONS
American Water Works Association – Standard D110 Voting Member

American Water Works Association – Standard D108 Voting Member

American Water Works Association – California/Nevada Section Member Engagement and Development Council Vice Chair

Tau Beta Pi – Life Member

San Diego County Water Authority – Citizens Water Academy

Professional Summary

Whether it is a new tank, tank rehabilitation, or tank assessment Tom brings the depth and breadth of more than 20 years of working on the planning, specifications, estimating, design and/or construction of more than 350 circular prestressed concrete tanks in the Western United States. As a voting member of American Water Works Association's Standard D110 - Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks he is able to keep current on the requirements for the design and constructability of these tanks and ensure our clients benefit from this information. Coupling his experience with BRADY's experience provides our clients with an expansive library of details and information. His familiarity with how contractors approach projects will allow us to quickly identify issues and provide proven solutions in a timely manner.

Project Experience

580,000 G VISTA TANK, TOWN OF HILLSBOROUGH, CA; Engineering Manager.
A 580,000 circular, prestressed concrete potable water tank was selected by the Town to replace an existing steel tank that had reached the end of its service life. The new tank was designed in conformance with AWWA D110, ACI 350, and the California Building Code. The tank is partially backfilled and has a clear span concrete dome. The dimensions of the tank are approximately 69 foot inside wall diameter and 24.33 foot wall height. Tom was the Engineer of Record, responsible for the development of the preliminary design for the project, which included optimal dimensions, addressing differential settlement at the site, construction estimates, specifications, and minimum dimensions for key structural elements. Tom provided feedback on constructability items throughout the design phase as well as during construction, where he reviewed shop drawings prior to their submittal.

3.0 MG "10B" TANK, 1.2 MG "RES 200B" TANK, AND 1.7 MG "RES 300B" TANK, DUBLIN SAN RAMON SERVICES DISTRICT, CA; Regional Manager.
All three of the tanks are designed in conformance with AWWA D110, ACI 350, and the California Building Code. Tanks 200B and 300B are backfilled near the top of the wall, and Tank 10B has soil on the roof and offers a park like setting for the community. Tom was responsible for various aspects of each project, ranging from project design criteria development, budget information to technical shop drawings, and calculations. He served as the Regional Manager for all three projects, working alongside the District's consultant and selected contractors.

500,000 G ALTA VISTA TANK #2, (MONTARA WATER AND SANITARY DISTRICT), MONTARA, CA; Engineering Manager. A 500,000 circular, prestressed concrete potable water tank was selected by the District to replace an existing steel tank that had reached the end of its usable life. The new tank was designed in conformance with AWWA D110, ACI 350, and the California Building Code. The tank is partially backfilled to reduce visibility to the surrounding community and meet coastal commission requirements. The dimensions of the tank are approximately 60 foot inside wall diameter and 25 foot wall height. Tom was responsible for managing the development of the preliminary design for the project, which included optimal dimensions, construction estimates, specifications, and minimum dimensions for key structural elements. Tom provided QA/QC and feedback on constructability throughout the design phase as well as during construction, where he reviewed shop drawings prior to their submittal.

900,000 G CALIFORNIA TANK, CITY OF REDWOOD CITY, CA; Principal Engineer. A 900,000 circular, prestressed concrete potable water tank was selected by the City to replace an existing steel tank that had reached the end of its service life. The new tank was designed in conformance with AWWA D110, ACI 350, and the California Building Code. The tank is partially backfilled and has a clear span concrete dome. The dimensions of the tank are approximately 80 foot inside wall diameter and 23 foot wall height. Tom is responsible for providing third party reviews of RFIs and training for City staff to perform inspections/observations during construction.

2.0 MG GLENVIEW TANK #3, CITY OF SAN BRUNO, CA; Project Engineer. A 2.0 MG circular, prestressed concrete potable water tank was selected by the City to replace an existing concrete tank that had reached the end of its service life. The new tank was designed in conformance with AWWA D110, ACI 350 and the California Building Code. The tank is partially backfilled and has a clear span concrete dome. The dimensions of the tank are approximately 110 foot inside wall diameter and 32 foot wall height. Tom was responsible for managing the development of the preliminary design for the project, which included optimal dimensions, addressing differential settlement at the site, construction estimates, specifications, and minimum dimensions for key structural elements. Tom provided QA/QC and feedback on constructability throughout the design phase as well as during construction, where he reviewed shop drawings prior to their submittal.

9.0 MG TANK, EAST BAY MUNICIPAL UTILITY DISTRICT, CASTRO VALLEY, CA. Project Manager. The 9 MG tank is designed as a circular, prestressed concrete potable water tank, meeting or exceeding the requirements found in American Water Works Association Standard (AWWA) D110, ASCE 7 and ACI 350. Tom was responsible for the design of the complete tank structure, including the specialty prestressing operations (circumferential and vertical) specified for the tank. Design details also included pipe penetrations through the floor and wall of the tank. Tom was also responsible for technical support to in-field personnel during construction.

1.5 MG BORONDA RESERVOIR SEISMIC/REPAIR - PALO ALTO, CA; Engineering Project Manager. Tom served as the Engineering Project Manager and Engineer for the structural assessment of the City's 1.5 MG circular prestressed concrete tank that was exhibiting signs of corrosion and spalled gunite cover coat. Tom performed the on-site evaluation, exterior investigation, and collection of findings at the site. The assessment incorporated previous evaluations performed by outside corrosion experts. Alternative analysis included consideration of full replacement, circumferential prestressing replacement and seismic strengthening of existing wall, lowering the water depth to meet structural requirements. Tom discussed with the City the possibility of replacing the existing concrete roof with a low-rise, column supported aluminum roof because the existing concrete roof had significant water ponding near the edge.

120,000 G WELDED STEEL TANK, CAHUILLA BAND OF INDIANS, ANZA, CA. TECHNICAL ADVISOR.
New welded steel storage tank for the Cahuilla Band of Indians. The tank is designed in accordance with AWWA D100 (Tank) and AWWA D102 (Coatings). Special consideration is given to seismic design and resiliency, given the close proximity to the San Andreas Fault and the MCER ground motion, SS, of 1.9g. Included our scope is the development of performance-based specifications for the tank and coating system. Tom served as the technical advisors for the team to address typical structural details, preferred pipe configurations, and slosh wave calculations.

500,000 GALLON POTABLE WATER TANK, NIPOMO COMMUNITY SERVICES DISTRICT, SENIOR DESIGN ENGINEER/ENGINEER OF RECORD.
New water storage tank for Nipomo Community Services District. The 500,000 G tank is designed as a circular, prestressed concrete potable water tank, meeting or exceeding the requirements found in American Water Works Association Standard (AWWA) D110, ASCE 7 and ACI 350. Tom was responsible for the internal final review and QA/QC of the design of the complete tank structure, including the specialty prestressing operations (circumferential and vertical) specified for the tank. In addition, Tom provided plan and specification reviews and evaluated the project estimate at critical stages of the project development. Design details also included pipe penetrations through the floor and wall of the tank. Submittals included shop drawings and calculations.

STEEL TANK IMPROVEMENTS, ESTERO MUNICIPAL IMPROVEMENT DISTRICT (EMID), FOSTER CITY, CA, PRINCIPAL IN CHARGE/TECHNICAL ADVISOR
Served as a technical advisor for the detailed structural evaluation and dive inspection of EMID's three 4.0 MG welded steel tanks. Our team worked with EMID to address their identified five-step Capital Improvement Plan: 1) improvements to water quality in each tank by adding mixing; 2) interior and exterior coating evaluation and recommendations for re-coating each tank; 3) evaluation of the cathodic protection system; 4) improvements to SCADA and operation of the tanks; and 5) evaluation and implementation of a flexible connection for the drain line, which is rigidly attached to the floor plate.

ADDITIONAL PROJECTS IN THE BAY AREA IN WHICH TOM HAS WORKED ON OVER THE LAST 10 YEARS:

- San Francisco PUC – 11.1 MG Clearwell & Chlorine Contact Tank Harry Tracy WTP, 21.0 MG TWR Sunol WTP
- California Water Service Company – 3.8 MG Station #27 Tank, San Mateo
- City of Daly City – 2.0 MG "Res 2B" Tank
- DERWA – 4.5 MG "R100" and 4.5 MG "R200" Tanks
- San Jose Water Company – 2 MG & 5.8 MG "Vickery" Reservoir & 1.88 MG "Overlook" Reservoir
- City of Santa Cruz – Two (2) 6.0 MG Bay St Tanks
- East Bay MUD – 3.5 MG "Summit Reservoir Replacement" & 1.0 MG "Carisbrook Reservoir Replacement"

Karl Kuebitz, P.E.

Project Manager/Tank Engineer of Record



PROFESSIONAL EXPERIENCE BEGAN
2000

JOINED FIRM
2020

EDUCATION
M.S. in Structural Engineering. University of California San Diego, La Jolla, CA.

B.S. in Civil and Environmental Engineering. Brigham Young University, Provo, UT.

LICENSES / CERTIFICATIONS
Professional Civil Engineer in CA (67975, June 2021), NV, HI, and UT.

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers (ASCE)

Voting Member of ACI 350, Environmental Engineering Concrete Structures and Commentary

Voting Member of ACI 372, Guide to Design and Construction of Circular Wire- and Strand-Wrapped Prestressed Concrete Structures.

Associate Member of ACI 376, Code Requirements for Design and Construction of Concrete Structures for the Containment of Refrigerated Liquefied Gases and Commentary

Professional Summary

Karl is a civil and structural engineer with over 20 years of professional experience. He specializes in infrastructure improvements in the municipal and utility markets, including water and pipeline structures, large water storage structures, and utility and control integration for water treatment and handling projects. He has designed, specified and analyzed hundreds of liquid-containing concrete structures. Karl has actively involved with ACI and is a voting member of the ACI 350 committee for environmental structures. Karl spent 9 years designing and constructing 45 prestressed concrete tanks and associated structures in the Middle East, including the largest externally prestressed concrete tanks in the world at 42 million gallons. Karl brings a wealth of knowledge and experience to structures for water-related projects.

Project Experience

1.2 MG DOUGHERTY VALLEY RESERVOIR 200B, SAN RAMON, CA
Engineer of Record

Led the design effort and sealed the structural design for the 1.2MG 200B Reservoir for the Dublin San Ramon Services District. Designed the monolithic floor slab integral with the wall footing. Designed the biaxially prestressed wall including the machine-wrapped circumferential prestressing and the vertical high-strength bar post-tensioning. Coordinated all access and appurtenances per DSRSD requirements.

4MG VINEYARD RESERVOIR, BRENTWOOD, CA
Engineer of Record

Performed the full structural design and project design coordination for the prestressed concrete tank per AWWA D110. This design included a differential backfill of 30-feet of the tank structure between the high and low sides of the structure. This stark differential backfill around the tank necessitated both static and seismic design features to assure that the stability of the lifeline structure.

TWO 2.75 MG RESERVOIRS, SAN JOSE, CA
Engineer of Record

Performed the structural design and project design coordination for two reservoirs, constructed simultaneously. Design of these reservoirs included all design compliance inspections, formwork, and shoring design for the elevated concrete slab.

TWO 3.4 MG RESERVOIRS, MOUNTAIN HOUSE, CA
Engineer of Record

Performed the structural design of the tanks and coordination with a new pump station, yard piping, and distribution system.

1.0 MG CARISBROOK RESERVOIRS, EBMUD, OAKLAND, CA
Engineer of Record

Participated in the design development as well as the final design for the reservoir structure to fit into EBMUD's unique and detailed masterplan.

TWO 3.5 MG KENSINGTON SAN PABLO RESERVOIRS, EBMUD, OAKLAND, CA
Engineer of Record

Performed the structural design of the reservoirs for a unique EBMUD project which included a detailed buoyancy calculation to resist hydrostatic uplift during a combined high-groundwater, empty tank event.

2 MG CEMENT HILL RESERVOIR, SUISIN CITY, CA
Engineer of Record

Performed the structural design for the reservoir structure including a prestressed free-span concrete dome. The dome design considered the static outward thrust from the dome angle and its compensation with high-strength prestressed steel. Also the design of the spherical dome shell shoring with extremely tight tolerances

120,000 G WELDED STEEL TANK, CAHUILLA BAND OF INDIANS, ANZA, CA.

Managed the design of a new welded steel storage tank for the Cahuilla Band of Indians. The tank design is in accordance with AWWA D100 (Tank) and AWWA D102 (Coatings). Special consideration was given to seismic design and resiliency, given the close proximity to the San Andreas Fault and the MCE_R ground motion, S_S, of 1.9g. Included the scope was the development of performance-based specifications for the tank and coating system. QA/QC was provided for the team to address typical structural details, preferred pipe configurations, and slosh wave calculations.

8.0 MG ARGO DRAIN TANK, LOS ANGELES, CA

The Argo Drain Sub-Basin Facility is located on the Los Angeles World Airports property and accommodates a watershed area of approximately 2,200 acres. The Argo Drainage Channel will transport storm water via gravity to a diversion structure and the flow will be treated and pumped into underground infiltration galleries to recharge the groundwater basin. The Facility will improve water quality in the Santa Monica Bay and nearby beaches. The 8MG tank employed a gravel bottom to permit the infiltration. Columns with individual spread footings supported a slab capable of HS-20 loading and native landscaping.

10 MG SKY MOUNTAIN RESERVOIR, COACHELLA VALLEY WATER DISTRICT, THOUSAND PALMS, CA

The project location of this reservoir is less than 1 mile from the San Andreas Fault. This tank features uplift cables to resist seismic sloshing and employs a robust anchored-flexible connection at the wall base to resist a base shear of 24,700 kips. The final shotcrete material on the exterior surface used and integral mineral-based color for maintenance-free service.

INDEPENDENT WATER POWER PLANT, UMM AL HOUL, QATAR

Designed 168 million gallons of water storage with associated appurtenances. Four 42MG tanks were designed and constructed to the AWWA D110 Standard and other international specification. The tanks were commissioned 15 months after the start of construction. These tanks are designed for extreme environmental and functional requirements and optimized for cost and construction efficiency. Karl was onsite for the entire duration as the design and QA/QC manager.

2.5 MG AND 3.5 MG FLOW EQUALIZATION TANKS, OCWD, HUNTINGTON BEACH, CA

Designed two flow equalization tanks 2.5MG and 3.5MG per AWWA D110. These tanks are designed on the Santa Ana flood plain in an area susceptible to liquefaction and lateral spreading. The structure was carefully designed for multiple catastrophic loading conditions to ensure that it was available during an emergency situation. The base slab spanned multiple deep soil cement mixing elements. The structure was designed for lateral tilting distortion while maintaining an anchored-flexible base connection similar to base-isolation.

Additional projects with similar scopes:

- 3.8 Million Gallon Reservoir, Carpinteria, CA. Fully buried with vehicle loading on roof. Engineer of Record. 2006
- 3.5 Million Gallon, "Patterson" Reservoir, Goleta, CA. Aluminum geodesic low-rise roof, Associate Engineer. 2003
- 3.0 Million Gallon, "East Area 1" Reservoir, Santa Paula, CA. Design Manager – on-site inspection, 2018.
- 3.0 Million Gallon, SLRWRF Recycled water storage facility, Oceanside, CA. Engineer of Record, 2019.
- 600,000 Gallon "Park Water" Tank, Compton, CA. Engineer of Record, 2019.
- 2 x 2MG and 1 x 1.5MG, City of Tulare, CA, Engineer of Record, 2018-2019.
- 150,000 Gallon "Stovepipe Wells" Tank. Death Valley National Park, CA. Engineer of Record, 2019.

Publications:

"Repairing and Retrofitting Prestressed Concrete Water Tanks in Seismic Areas," Concrete Repair, Rehabilitation and Retrofitting, ICCRRR, 2012

"Design Considerations for Large Prestressed Water Reservoirs," Structural Engineering Institute, ASCE, 2008.

"Development and Calibration of Columna, a Windows®-based Moment-curvature Program for Columns of Arbitrary Cross-sections," University of California, San Diego, 2002.



EDUCATION

PhD, Biogeochemistry, University of Aberdeen, UK

MSc, Environmental Science, University of Aberdeen, UK

BSc, Environmental Policy Analysis and Planning, University of California, Davis

Associate, Institute of Environmental Management and Assessment

OFFICE LOCATION

180 N Ashwood Avenue

Ventura, California 93003

Jennifer Haddow, PhD, MSc, AIEMA

PRINCIPAL ENVIRONMENTAL SCIENTIST

Dr. Haddow has over 15 years of professional experience in the field of environmental science and assessment and has prepared and coordinated all levels of environmental documentation for large- and small-scale infrastructure projects, with an emphasis on water supply, treatment, conveyance and quality projects, as well as watershed planning studies. She is currently the Principal-in-Charge of Rincon Consultants' environmental on-call contract with the Metropolitan Water District of Southern California and has served as project manager on a number of projects under that contract. In addition, she has managed or served as the Principal-in-Charge for the environmental documentation/compliance processes for several of Rincon Consultants' water-agency clients, including Water Replenishment District of Southern California, West Basin Municipal Water District, Central Basin Municipal Water District, United Water Conservation District, Coachella Valley Water District, and Las Virgenes Municipal Water District.

Dr. Haddow's philosophy is to provide excellent, "no-surprises" consultancy advice and expertise to her clients. This includes advising on both environmental and stakeholder issues which may arise during the documentation process but also the implications of decisions made as part of the California Environmental Quality Act or National Environmental Policy Act processes which could impact schedules and costs as a project progresses through design and construction.

SELECT PROJECT EXPERIENCE

Principal-in-Charge, Metropolitan Water District of Southern California - On-Call Environmental Services, Various Counties, California
Dr. Haddow has overseen Rincon Consultant's on-call contract to provide consultancy support to Metropolitan's Environmental Planning Team since 2011. Key projects Dr. Haddow managed under this contract are listed below.

Palos Verdes Reservoir Relining Project. Dr. Haddow managed preparation of an Initial Study-Mitigated Negative Declaration along with associated technical studies for Biological Resources, Cultural Resources, Air Quality and Greenhouse Gas Emissions for this project. Key issues analyzed include construction-related impacts from noise and air pollutant emissions as well as the potential for construction activities to affect recreational resources near the site. In addition, Dr. Haddow oversaw preparation of multiple addenda to the Initial Study-Mitigated Negative Declaration to reflect minor changes in the project since it was approved. Rincon Consultants is currently conducting the construction monitoring for this project.

Santa Ana River Bridge Seismic Retrofit and Routine Maintenance Project.
Dr. Haddow managed preparation of the Initial Study-Mitigated Negative Declaration for this project, which included technical peer review and incorporation of a Biological Technical Report, provision of permitting support, field surveys to identify bat presence/absence at the site and focused avian surveys. The assessment methodology used in the Initial Study-Mitigated Negative Declaration incorporated the detailed assessment of several possible alternatives for construction methodology, providing a needed level of flexibility to ensure that the overall project deadlines could be met.

SELECT PROJECT EXPERIENCE, CONT'D

The Initial Study-Mitigated Negative Declaration also evaluated long-term access road maintenance and vegetation management activities proposed beneath and adjacent to the bridge to facilitate maintenance of the structure following the retrofit project. This multi-option analysis was provided to meet Metropolitan's need for flexibility in the final project design and construction methodology.

As part of the scope of work, Rincon Consultants also provided advice and information regarding the regulatory permitting process for the project. The focused bat surveys determined the potential for roosting bats and addressed agency comments received during document preparation. Rincon Consultants has prepared two addenda to the Initial Study-Mitigated Negative Declaration to date to reflect minor alterations in the project since it was approved.

Rincon Consultants provided environmental compliance services for the construction phase of the project, including monitoring and the potential relocation of listed species in compliance with the Incidental Take Permit for the project. In addition, Rincon Consultants prepared the Nesting Bird Plan for the project.

F.E. Weymouth Water Treatment Plant Upgrades Project. Dr. Haddow is currently overseeing several phases of this project including ongoing environmental compliance monitoring services in support of upgrades at the Weymouth WTP. To date, these include the Chemical Upgrades Project; 2MW Solar Project; Filter Rehabilitation Project; West Washwater Tank Seismic Tank Upgrades Project; La Verne Shop Plasma Cutter AQ Analysis; La Verne Shop Blast Booth Modification, AQ Analysis; Historical Analysis for the Filter Building No. 2 Pumps Replacement Project; Site Tree Survey and Health Assessments; Administration Building Seismic Upgrades; and Domestic Water System Improvements Project. Expertise in nesting bird issues, arborist services, historical resources, noise and air quality analyses have all been provided in support of this project.

Climate Action Plan and CEQA Document. Rincon is developing an integrated, comprehensive, and transformative Climate Action Plan (CAP) and CEQA document. The plan is intended to be applied across all of Metropolitan's land, facilities and infrastructure and takes into account the greenhouse gas (GHG) emissions from future capital investment projects such as the Regional Recycled Water Plant. The CAP will build on Metropolitan's sustainability achievements to date and identify additional actions that would reduce GHG emissions and prepare Metropolitan's facilities and operations for the impacts of climate change. Rincon recently developing a baseline GHG inventory, forecast, and analysis of GHG emissions that is being utilized to identify and evaluate feasible, cost-effective, and measurable GHG emissions reduction measures necessary to meet Metropolitan's reduction targets. Rincon is currently working with Metropolitan teams associated with planning, engineering, facility operations, and other internal stakeholders to establish GHG emissions and reduction measures and infrastructure improvements that will be implemented through the plan. The plan is intended to serve as a qualified GHG reduction plan for Metropolitan facilities, operations, and investment decisions and meet the provisions for CEQA streamlining (per CEQA Section 15183.5).

Dr. Haddow the Principal-in-Charge for the contract and provides overall quality control/quality assurance for both the Climate Action Plan and its associated CEQA document. She also provides strategic advice on the CEQA approach to address this complex and geographically vast planning level document.

Dennis Underwood Conservation Area Project. Dr. Haddow acted as the Principal-in-Charge for the preparation of technical studies including cultural resources, air quality and greenhouse gasses and Land Evaluation and Site Assessment in support of a 635-acre preserve along the Colorado River to protect threatened and endangered species that once thrived in the river's floodplain. Through management of Rincon's cross-service line expertise, Rincon was able to provide Metropolitan and the United States Bureau of Reclamation with the needed documentation to move forward with dedication of the conservation area.

Metropolitan Water District of Southern California (subconsultant to Helix Environmental) - Prestressed Concrete Cylinder Pipe Rehabilitation Program, Los Angeles, Orange, and San Bernardino Counties, California

Rincon's responsibilities include coordination and development of environmental documentation (e.g., technical studies, California Environmental Quality Act analyses, and permitting applications) for biological, cultural, and paleontological resources as well as overseeing general construction monitoring for rehabilitation projects along more than 100 miles of five prestressed concrete cylinder pipelines extending through over 30 jurisdictions in Los Angeles,

Orange, and San Bernardino Counties in both dense urban and remote rural regions. Of a total of nine task orders awarded to date, four are currently ongoing, with additional task orders envisioned.

Dr. Haddow provides contract management and quality control/quality assurance oversight for the technical reports and CEQA documentation provided under this contract, including in the areas of biological, cultural, and paleontological resources.

Project Manager/Principal-in-Charge, City of San Luis Obispo - Environmental Documentation, Permitting and Construction Monitoring for the Water Resource Recovery Facility, San Luis Obispo County, California
Rincon completed an Environmental Impact Report in support of the City of San Luis Obispo Water Resource Recovery Facility project. The City is proposing a number of improvements/upgrades to the existing 55-acre facility, including new equipment installation, demolition of several components, roadway improvements, and new building construction to meet the facility's stringent National Pollutant Discharge Elimination System requirements, increase the production of recycled water and position the City for future potable reuse. Rincon prepared the Environmental Impact Report to satisfy the requirements of CEQA-Plus to support application for federal funding under the Clean Water State Revolving Fund. Key issues addressed in the Environmental Impact Report included the presence of special-status wildlife species at and adjacent to the site, impacts to existing recreational facilities and consistency with existing regulatory permit conditions from the National Marine Fisheries Service and local Regional Water Quality Control Board. As part of the project's design process, Rincon provided expertise and advice on probable future regulatory conditions that could be attached to a potential cooling wetland option to assist the City in its decision-making process on that component of the project. Rincon successfully completed the Environmental Package as part of the funding application for this project, which has been approved by the State Water Resources Control Board.



Darcy Kremin, AICP

ENVIRONMENTAL PLANNING PRACTICE LEADER

Darcy Kremin is Rincon's Environmental Planning Practice Leader. She has over 20 years of planning and California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) experience for nonprofit, private, and public sector clients. Ms. Kremin has managed large projects for public utilities, including water and energy transmission, and dozens of development projects for cities and counties. She also has experience with various public and charter school projects. She is well known for creative solutions to achieve CEQA compliance.

EDUCATION

M.A., Urban and Environmental Policy, Tufts University

B.A., Geography/Environmental Studies and Political Science, University of California, Los Angeles

CERTIFICATIONS/ REGISTRATIONS

American Institute of Certified Planners, 2003, 018287

OFFICE LOCATION

449 15th Street, Suite 303

Oakland, California 94612

PROJECT EXPERIENCE

Summit Reservoir Replacement Project. East Bay Municipal Utility District (EBMUD). Project Manager. Managed the technical report and subsequent EIR sections for EBMUD. Coordinated the technical sections, provided peer review to EBMUD for the entire EIR, and supported presentations to the EBMUD Board of Directors for the project. The project is part of a planned system of improvements through the Pressure Zone Improvements master plan program at EBMUD. The 37-million-gallon reservoir will be replaced with a smaller (3.7 million-gallon) tank, and additional public amenities will be provided.

CEQA and Permitting Task Manager. Kimball Reservoir Rehabilitation. City of Calistoga. Oversaw CEQA compliance and permitting on the City's behalf for the rehabilitation of the inlet tower and outlet facilities. Project efforts also included a reservoir capacity study that will be used to evaluate sedimentation conditions and future storage options. The project included structural analysis, preparation of contract documents, and engineering support during construction.

CEQA Project Manager. Almaden Dam Improvements Project. Santa Clara Valley Water District (SCVWD). Managed CEQA compliance for the SCVWD to improve the dam's reliability by replacing or upgrading all the major dam outlet works and modifying the spillway, if necessary. The project will also assess and provide improvements to the Almaden-Calero Canal (which conveys water from Almaden to Calero Reservoir), including canal stabilization from landslides, sediment removal, bypass at sharp canal bends, lining, and widening. Major issues included biological resources and water quality.

Permitting Task Manager. Recycled Water Storage Pond Expansion Project. City of Calistoga. CEQA and Oversaw CEQA compliance and permitting on the City's behalf for the expansion of its recycled water storage capacity. The City owns approximately 10 acres adjacent to the existing 10-million-gallon effluent storage pond that are currently used for irrigation of treated effluent. The proposed new effluent storage pond is anticipated to have a capacity of approximately 20 million gallons, which would provide approximately 40 days of storage under average daily flows.

Project Manager. Lower Crystal Springs Dam Improvements Project EIR. San Francisco Public Utilities Commission (SFPUC). Managed the project EIR and associated permitting for the City and County of San Francisco. The project focused on modifying the dam spillway to allow passage of the full Probable Maximum Flood and on obtaining authorization to utilize the original storage capacity of the Upper and Lower Crystal Springs Reservoirs to ensure a secure and reliable water delivery system for SFPUC customers.

Project Manager. Recoat Mokelumne Aqueduct Phase 8 – Slough Crossings Project. East Bay Municipal Utility District (EBMUD). Managed the technical report for EBMUD. Managed the technical report in support of the CEQA document for EBMUD. Technical areas included air quality/greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, noise, traffic and transportation, and utilities and service systems. Coordinated the technical review for the biological resources assessment, helped draft the project description, and revised the IS/MND. The project consists of recoating the aqueducts at the four slough crossings in the Sacramento-San Joaquin River Delta.

Deputy Project Manager. Bay Division Pipeline Reliability Upgrade EIR. San Francisco Public Utilities Commission (SFPUC). Helped manage the preparation of an EIR for a 21-mile-long water conveyance pipeline through Alameda and San Mateo counties. Also served as the social science task leader, and reviewed the plans and policies, aesthetics, agriculture, land use and planning, mineral resources, energy and water consumption, population and housing, public services, recreation, traffic, and utilities sections of the EIR. The pipeline is part of the upgrade of the Hetch Hetchy aqueduct being completed by the SFPUC. The work scope includes wetland, streambed, cultural resources, and endangered species permitting.

Deputy Project Manager. Kilarc-Cow Creek FERC License Surrender. Pacific Gas and Electric Company (PG&E). Assisted with the license surrender process to the Federal Energy Regulatory Commission (FERC) for the project. Managed preparation of the License Surrender Application and supporting permits. Managed the project team review of the FERC draft EIS on behalf of the client.

CEQA Project Manager. Scotts Valley Multi-Agency Emergency Interties Project IS/MND. San Lorenzo Valley Water District. Managed the IS/MND for the project to construct six emergency water interties and related infrastructure connecting different water service areas. The project involved six water agencies and was funded by Proposition 50 grant money that required short turnaround time and constrained budget.

Project Manager. Pit 1 Hydroelectric Project EIR. California State Water Resources Control Board (SWRCB). Managed the EIR for the SWRCB for the project, a 69.3-megawatt facility owned and operated by the Pacific Gas and Electric Company (PG&E). Managed the project on behalf of the SWRCB to address the project's biological resources, water quality, and recreation impacts. The US Fish and Wildlife Service concluded that the flushing flows may have been adversely affecting the endangered Shasta crayfish. Therefore, the SWRCB was required to undergo a CEQA analysis to modify its prior Section 401 Water Quality Certification under the Clean Water Act to modify the required flushing flows.

Project Planner. Salton Sea Species Conservation Habitat. California Department of Fish and Game and California Department of Water Resources. Drafted the agricultural resources and recreation sections of the EIS/EIR, and provided meeting facilitation for workshops on selenium treatment and management techniques. The project will create approximately 2,400 acres of shallow habitat ponds along the Salton Sea to support fish and birds.

Project Planner. Pajaro River Project. U.S. Army Corps of Engineers (USACE) and Monterey and Santa Cruz Counties. Prepared the land use and agriculture and forest resources sections of the EIS/EIR for the USACE (NEPA lead agency) and Monterey and Santa Cruz counties (CEQA lead agencies). The project examined proposed flood

risk management and improvement measures along the Pajaro River and its tributaries, Salsipuedes and Corralitos creeks, which have a long history of flooding. Permanent conversion of prime and important farmland was a key concern.

Project Planner. 2-Gates Fish Protection Demonstration Project Environmental Assessment. U.S. Bureau of Reclamation (USBR). Provided recreation and other analyses in support of the CEQA document. The USBR is the federal lead agency for this project, prepared under contract to the Metropolitan Water District of Southern California and the State Water Contractors. The 2-Gates Project is intended to provide temporary, cost-effective, immediate protection to delta smelt from entrainment in SWP and CVP export facilities by controlling flows in key channels in the Sacramento-San Joaquin Delta. This would be accomplished by the installation of temporary "butterfly gates" in Old River and Connection Slough and operation of those gates when turbidity and salinity conditions are expected to support upstream movement of delta smelt.



Craig Lawrence, M.S.

SENIOR BIOLOGIST/REGULATORY SPECIALIST

Craig Lawrence is a senior biologist and regulatory compliance specialist with over 20 years of experience managing and conducting comprehensive environmental and biological studies on large transportation and energy infrastructure projects throughout the San Francisco Bay Area and across California. His experience includes conducting environmental constraints analyses; performing baseline natural resource surveys; assessing impacts to sensitive biological resources; regulatory agency negotiations and permitting for federal and state endangered species, wetlands, and water quality permits; Storm Water Pollution Prevention Plan (SWPPP) and environmental compliance management during construction; and developing appropriate mitigation for unavoidable project-related impacts.

SELECT PROJECT EXPERIENCE

- Project Manager and Biologist, PG&E Gas Line 109 Replacement Project; San Francisco to Santa Clara County, California
- Project Manager and Environmental Compliance Manager, PG&E Gas Line 210A and 210B In-Line Investigation Project; Solano County, California
- Project Manager, PG&E Gas Line 132 Replacement Project; Santa Clara County, California
- Biologist and Regulatory Compliance Specialist, PG&E Jefferson-Martin 230-kV Transmission Line; San Francisco and San Mateo Counties, California
- Project Manager, Kinder Morgan LS-64 Vegetation Management Project, Biological Constraints Analysis and Compliance Monitoring, Placer County, California
- Program Manager, PG&E Supervisory Control and Data Acquisition (SCADA) Switch Pole Replacement Program, Bay Area/Norther California.
- Project Manager, City of Hollister, Park Facility Master Plan Update, Biological Resource Section for CEQA IS/MND, Hollister, California
- Project Manager, Dublin San Ramon Services District Reservoir 10A Replacement Project, Biological Resource Section for CEQA IS/MND, San Ramon, California
- Project Manager and Environmental Compliance Manager, PG&E Vaca Dixon – Birds Landing 230kV Transmission Line Reconductoring Project, Solano County, California
- Environmental Compliance Manager, Caltrans District 4, Highway 101 HOV Widening Projects, Sonoma County, California
- Project Manager and Environmental Compliance Manager, Caltrans District 4, State Route 84 Pigeon Pass Realignment Project, Alameda County, California
- Montezuma Wetlands Restoration Project; Solano County, California

EDUCATION

M.S., Environmental Management, University of San Francisco

B.S., Aquatic Biology, Sonoma State University

TRAINING

U.S. Army Corp of Engineers - Determining Federal Wetlands Jurisdiction (2000)

California Stream Bioassessment Procedure - Aquatic Resource Assessment Training (2001)

40-Hour Hazardous Waste Operations Training (HAZWOPR)

PROFESSIONAL AFFILIATIONS

- Society for Ecological Restoration, California (SERCAL)
- Society of Wetland Scientists, California (SWS)
- Association of Environmental Professionals (AEP)

OFFICE LOCATION

449 15th Street, Suite 303

Oakland, California 94612



EDUCATION

MA, Anthropology, San Diego State University

BA, Anthropology, University of California, Santa Barbara

OFFICE LOCATION

4825 J Street, Suite 200

Sacramento, California 95819

Hannah G. Haas, RPA

ARCHAEOLOGIST AND PROJECT MANAGER

Ms. Haas has over seven years of experience working in cultural resources management conducting projects in compliance with CEQA, Section 106 of the National Historic Preservation Act, and NEPA. She has experience in performing archaeological and cultural resources surveys, archaeological testing and monitoring, and the preparation of technical reports. She has worked on more than 130 projects and served as lead author of more than 90 cultural resources technical reports. Ms. Haas uses her academic training and professional experience to ensure that all cultural resources components of projects are satisfactorily conducted.

SELECT PROJECT EXPERIENCE

Archaeologist, San Lorenzo Valley Water District – Swim Tank Project and Five Water Pipelines Project Initial Study-Mitigated Negative Declaration and U.S. Department of Agriculture Funding Documentation, Santa Cruz County
This project involved replacement of aging water conveyance and storage infrastructure in Santa Cruz County to be funded in part by the U.S. Department of Agriculture Rural Development Program. Ms. Haas oversaw and participated in the preparation of CEQA- and Section 106 of the National Historic Preservation Act-compliant cultural resources documentation, including cultural resources records searches, pedestrian surveys, coordination with local Native Americans, and report preparation.

Archaeologist, County of Monterey – Monterey Storm Drainage System Maintenance Project, Monterey County
The Monterey Storm Drainage System Maintenance Project is intended to remedy agency concerns associated with the City completing maintenance activities without proper regulatory permits or certifications. Work locations include 35 sites throughout the City. Ms. Haas prepared the cultural resources technical study for the project as well as the cultural resources and tribal cultural resources Initial Study-Mitigated Negative Declaration sections. Ms. Haas also assisted with Assembly Bill 52 consultation.

Archaeologist, RMC Water and Environment – Milpitas Recycled Water Pipeline Project, Santa Clara County
Ms. Haas conducted a cultural resources study in compliance with the State Water Resources Control Board's CEQA-Plus requirements. Tasks included conducting a cultural resources records search, Section 106 Native American consultation, and serving as primary author of CEQA-Plus format technical report.

Archaeologist, City of Pismo Beach – Central Coast Blue CEQA-Plus EIR, Pismo Beach
Ms. Haas is serving as the task manager for a cultural resources investigation for the City of Pismo Beach's Central Coast Blue project. The project is an indirect potable reuse project intended to develop a seawater intrusion barrier for the Santa Maria Groundwater Basin and includes an advanced treatment facility, injection wells, monitoring wells, a new production well, and water distribution and agricultural irrigation pipelines. Ms. Haas has overseen such tasks as cultural resources records searches, pedestrian and shovel test pit surveys, coordination with local Native Americans, and report preparation.

Project Assignments
Principal Engineer: **Electrical, Instrumentation/Controls, Fire Protection** Engineering

Years of Experience
44

Education
BS, Electrical Engineering, **Power Engineering Major**, San Francisco State University, 1976
MS, Electrical Engineering, **Power Engineering Major**, Santa Clara University, 1987
Graduate Studies, Santa Clara University

Registrations and Licenses
Registered **Professional Engineer** (PE) -**Electrical** in California (E-10687), and 6 other States; Registered PE **Control Systems** (CS-7072) & **Fire Protection** Engineering (FP-1317) in State of California
Certified Cogeneration Professional (CCP) - National Association of Energy Engineers
Distributed Generation Certified Professional (DGCP) – National Association of Energy Engineers
Chartered **Legend-in-Energy**- National Association of Energy Engineers
California Contractor licenses B and C-10

Professional Affiliations
Institute of Electrical and Electronics Engineers (IEEE), Life Senior Member, Past PES Region 4, 6 Rep.
International Society for Automation (ISA), Life Senior Member, Past President
Oakland/East Bay Power Engineering Society, Member, Past Chairman
National Fire Protection Association (NFPA), Senior Member
IEEE OEB Executive Committee, Past Chairman, Director
NFPA 820 Technical Committee, Principal Technical Member
IEEE PES **Electrical PE Review Course** instructor since 1995
International Technological University (ITU), Guest Lecturer

Key Qualifications
Mr. Diep T. Nguyen is a Principal of DTN Engineers, Inc. In addition to his administrative responsibilities as a corporate officer, he has over 44 years of practical experience and has provided hands-on ***electrical, instrumentation and control system design*** and construction startup support services in many multi-million dollar wastewater and water projects, high-rise buildings, airport terminals and industrial facilities and plants.

Nguyen's expertise includes the design and specifications of electrical systems including low (480V) and medium (up to 115KV) voltage power distribution, system grounding, low and medium voltage variable frequency drives, lighting, fire alarm and security systems, computer power centers, underground duct bank systems, **emergency, standby and cogen power systems**, Photovoltaic (PV) Systems, and uninterruptible power supply (UPS) systems. He is also responsible for complete design and specifications of process instrumentation and control systems ranging from programmable logic controller (**PLC**) networks, supervisory control and data acquisition (**SCADA**) systems to conventional Distributed Control System (DCS) to Personal Computer (PC) –based control systems which include software engineering and computer network configuration.

Past recent projects
- **DSRSD Export PS- Cable Replacement Project and MCC Replacement Project and Reservoir 10A Interim Power Project**- Completed electrical/I&C design for these projects. Project featured power and controls of 2300V medium voltage MCCs with six 500 hp pumps and four 600 hp pumps. Included were modifications of existing PLC system to optimize controls of these large pumps with added protection.
- **SFPUC Groundwater Supply Project Phase 1 and Phase 2** – Completed electrical/I&C design and

construction services for this $25M facility featuring 480V power system and SCADA PLC based systems to fully automate pumping system to supplement drinking water to SF residents.

- **SFPUC Channel Street Pump Station Improvements** – Completed electrical/I&C construction support service for this large pump station with five 600hp pumps driven with medium voltage, clean-power VFDs and with complete SCADA system for fully process automation.
- **LLNL:** Provided electrical engineering services in several major MCCs and 12kV substations replacement.
- **CCCSD Pump Stations:** Lower Orinda and San Ramon Pump Station Upgrade, Acacia Pump Station Upgrade. Services include electrical/I&C design and construction services. Each station has a backup diesel generator, a SCADA node and separate video camera system linked to main Headquater..
- **Santa Cruz Water Pollution Control Plant**- Completed design and construction support services for this facility with 15kV service, 2MW **standby** power generator.
- **Waste Management Landfills:** Completed various electrical design as well as construction support for projects located in WM California (Livermore, Kettleman, Oakland) and Arizona (Gray Wolf, Butterfield, Phoenix). Projects include normal 480V power and 15 kV overhead distribution system as well as PV solar system and standby emergency generators.
- **EBMUD Main Wastewater Treatment Plant**- Completed the design and construction of a $15M recycled water facility with DCS and 750kW standby power generator.
- **San Jose-Santa Clara Water Pollution Control Plant-** Completed several CIP projects including Influent Pumping Station 4160-Volt, **12-pulse** VFD and Main Computer Room Upgrade Projects.
- **Contra Costa Water District SCADA Project** - Provided electrical and instrumentation design expertise. The design includes computerized redundant operation centers to control 80 remote sites including water pumping stations, canals, reservoirs and water treatment plants.
- **Brentwood Pump Station** - Completed the electrical and instrumentation design and construction services of this $15M facility featuring medium and low voltage **24-pulse** VFDs and 21kV as well as 4160V power distribution and PLC-based control system with fiberoptic self-healing ring configuration.
- Cogen Projects: Completed design and construction of cogen projects for EBMUD, Bakersfield, Millbrae, Davis, Sunnyvale, Central Contra Costa Sanitary District, Pittsburg, SFPUC waste management division.
- **SFPUC South East Water Pollution Control Plant-** Gravity Belt Thickeners- Completed instrumentation and control system design for complete automation of the sludge thickening process by PLC and Foxboro DCS control systems. Completed short circuit study for entire plant.
- **South Tahoe Public Utility District-** Completed electrical/instrumentation design for Glenwood Well Pump Station which features 18-pulse VFD and pump control automation with PLC. Also completed electrical design and construction services for several other pump stations as well as a chemical facility.
- **Other misc. SFPUC projects :** Pulgas and Sunol Chemical Facilities, Hunter's Point Shipyard Development, Water SCADA System, Crystal Springs Reservoir, Emergency Response Plan, Utility Risk and Vulnerability Assessment, $25M Groundwater Well Pump Stations and Pipeline Projects.
- **Central Contra Costa Sanitary District:** Various power (12 kV) and PLC system improvements to support wastewater processes. Design includes 5 MW cogen and 3 MW diesel standby and construction support.
- **Contra Costa County Community Colleges:** Designed **1MW solar system** for each of the three colleges.
- **Kimberlina 5 MW Solar Thermal Plant-** MCC power, controls, **arc flash study**, and construction supports
- **Zone 7 Water Agency-** CIP Projects: Electrical and I&C design and construction support of various CIP Projects including 500 kW stationary genset, 250 kW portable genset, Electrical System Upgrades, SCADA and **300kW PV Solar Power System**.
- **Pasadena Water and Power Department-** Completed electrical design and construction support services for several major water pump stations, water pressure zone, and recycled water system.
- **Sausalito Marin City Sanitary District-** Complete E/I&C design and construction support for several large sludge dewatering projects, sewage pump station, $25M Headworks projects including SCADA expansion.
- **City of Sunnyvale-** SMaRTStation- Replacement of an existing non-compliant electrical switchboard with 4000A 480-Volt switchboard to accommodate additional motor loads and a 500 kW solar power system. Currently, provide design and construction support for a stormwater pump station with a new SCADA system.
- **San Mateo Hayward Bridge-** Completed 15kV switchgear replacement for five substations with modern digital protective relaying and fiberoptic links to SCADA system. No power interruption was achieved during entire construction.



60%
AVAILABLE

27 YEARS IN THE INDUSTRY

EDUCATION

MASTER, BUSINESS ADMINISTRATION
California State University
Sacramento, CA
Year 2004

BS, CIVIL ENGINEERING
Tufts University
Medford, MA
Year 1991

LICENSES

CIVIL ENGINEERING
State of California
Year 1993
CA #52617

REAL ESTATE BROKER
State of California
CA #01837271

AFFILIATIONS

CALIFORNIA TRANSPORTATION FOUNDATION
Board of Director / Secretary

INTERNATIONAL RIGHT OF WAY ASSOCIATION

BOB MORRISON
PE, MBA, RE BROKER
PROJECT MANAGER

When Bob isn't noodling an innovative delivery strategy for his clients, he is sailing the waters of Lake Tahoe. A baseball enthusiast, he enjoys ball games with his boys and travel abroad. Bob is a co-founder of Monument and he embodies our Company motto. . . we listen, we innovate, we deliver.

Bob has extensive project management experience which spans over almost thirty years in both the public and private sectors. Bob is an engineer, our corporate broker and a right-of-way genius. Bob even has a stint at Caltrans where he was first exposed to right-of-way. All of this experience has given Bob a keen understanding of the entire project development process in which he is well versed on all aspects of right-of-way and has a unique ability to leverage this experience to provide his clients with viable, innovative and effective solutions.

Prior to joining Monument, Bob served at Caltrans for 10 years in various capacities including civil design, structural design and program management where he gained a strong understanding of funding program requirements, project implementation and all facets of the program execution. Bob left the world of Caltrans and jumped into right-of-way. He quickly became an owner and President of Bender Rosenthal, Inc., a full-services right of way company, where he was responsible for project management, client interface and staff development. As a registered Civil Engineer, Bob's complete understanding of the project development process allows him to better streamline project delivery through proper planning, cost saving and time saving measures, and risk mitigation strategies.

Bob is also extremely knowledgeable in the Uniform Act as well as implementing programs in accordance with FHWA, FTA, state the laws, regulations and policies; and the Caltrans R/W Manual. His embodies the qualities of a highly effective project management through his proactive communication, strategy-focused and results-driven approach.

BOB AT A GLANCE

- Caltrans and engineering experience
- Master of project controls
- Innovative team builder
- Expert in state and federal law
- Experienced in major transportation

EXPERIENCE

CALIFORNIA HIGH SPEED RAIL
Fresno, CA | 2009 - 2018 | Project Manager / Principal in Charge

Bob and other Monument staff were responsible for project execution including scope definition, cost analysis, schedule development and delivery of over 1,500 appraisals, appraisal reviews, 120 property acquisitions and relocations, and over 60 eminent domain submittal packages. Major right-of-way was required for the project and the Monument team members were responsible for negotiating with property owners and coordinating with the contractor, Caltrans District 6, High Speed Rail staff, and Department of General Services.

The right-of-way process for the HSR was initially bogged down in bureaucracy. Many of the state agencies involved in the right-of-way process were not prepared for the amount of parcels and approvals necessary to acquire the right-of-way. Bob was instrumental in defining the process, and working with each of the agencies to streamline their approvals. As the project advanced, Bob was instrumental in developing the project priorities and working with HSR management to push for most expedited delivery. Some of the delivery tools used to expedite the delivery included issuing a Notice of Decision to Acquire early in the right-of-way process.

SR 4 EXTENSION PROJECT
San Joaquin Council of Governments, CA | 2011 - 2014 | Principal-in-Charge

This project included major District 10 coordination. As Principal in Charge, Bob was instrumental in developing a right of way delivery program with SJCOG in partnership with Caltrans. This consisted of an integrated team of consultants and Caltrans staff to deliver the right of way as one team. Bob developed the project Charter that clearly outlined who was responsible for what and who the key stakeholders were in the process.

ATWATER MERCED EXPRESSWAY
Merced County Association of Governments | 2011 – 2015 | ROW Principal in Charge

This project included coordination with Caltrans District 10 and Mark Thomas Company. Bob initial involvement on this project was as the MCAG Caltrans Liaison. Bob worked closely with MCAG staff to get funding for the project, and develop the overall workplan for the initial construction project. Once the project was funded, he shifted to become the ROW program managers. He was responsible for working with MCAG to create a right of way plan for delivering the 40 parcels and 10 relocation associated with this new expressway in Merced County. Relocation efforts include an RV repair facility, multiple residential relocations and a veterinary.

CAPITAL SOUTHEAST CONNECTOR PROJECT
Capital Southeast Connector JPA | 2017 – 2018 | Project Manager

Bob and the Monument team established were responsible for managing the scope, costs and schedule for the right-of-way phase of the project. The right-of-way plan for the B2 portion of this 20 mile new facility. The streamlined right-of-way program that Bob developed allowed the JPA to award its first construction contract in 2019. Bob presented the right-of-way impacts for the project to the JPA board, and guided the board through the right-of-way process in a closed session. He also assisted the JPA board on settlement negotiations with owners in multiple closed session.

SR 99 @ PINE GROVE IMPROVEMENTS
San Joaquin Council of Governments, CA | 2017 – 2018 | Principal-in-Charge

This project Included coordination with Caltrans District 10 and Mark Thomas Company. As Principal in Charge, Bob was instrumental in developing the scope, cost and schedule for the SR 88 improvements in Pine Grove. One major area of concern was how to best coordinate the ROW activities at the Pine Grove Elementary School. The major concern was travel delays on SR 88 when school was dismissed. Bob worked with the Mark Thomas team project team to identify potential solutions that helped improve safety at the school and reduce congestion on SR 88.

SACRAMENTO AREA FLOOD CONTROL AGENCY
Sacramento, CA | 2007 – Present | ROW Program Manager

As ROW Program Manager, Bob is responsible for delivery of over 350 parcels in support of SAFCA's $1.8 Billion Levee Improvement Program. Previously, Bob was instrumental in successfully delivering SAFCA's Natomas Basin Project and was charged with developing the right of way implementation plan, capital cost estimates, delivery schedule to support this critical initial phase of SAFCA's overall levee improvement program. In addition, Bob's responsibilities included coordinating efforts with the California Department of Water Resources and managing the all functional disciplines to support the right of way delivery consisting of appraisal, negotiations, relocation, title, environmental and escrow closings.



MACY TONG, GE
Principal

Macy joined ENGEO in 1985 and is a geotechnical project manager for large-scale hillside projects, school sites, reservoir and tank sites, transportation systems, and commercial and industrial construction. She specializes in slope stability analysis in large-scale hillside development; deep fill settlement/swelling analyses; mechanically stabilized earth system design; soil nail wall design; liquefaction evaluation techniques and new mitigation methods; soft soil consolidation analyses and cost-effective mitigation schemes.

EDUCATION
BS Civil Engineering University of California, Berkeley 1984

MS Geotechnical Engineering University of California, Berkeley 1990

EXPERIENCE
Years with ENGEO: 35
Years with Other Firms: 0

REGISTRATIONS & CERTIFICATIONS
Professional Engineer, CA 44230

Geotechnical Engineer, CA 2300

SPECIALIZATIONS
- Compressible Soils
- Deep Foundations
- Earth Retaining Structures
- Foundation Design
- Geosynthetic Materials
- Grading Project Management
- Hillside Grading
- Landslide Investigations and Repairs
- Liquefaction Analyses
- Pavement Evaluation and Design
- Plans, Specifications, and Estimates
- Scour Evaluation
- Subgrade Stabilization

AFFILIATIONS
ASCE American Society of Civil Engineers

EERI - Earthquake Engineering Research Institute

SELECT PROJECT EXPERIENCE

Reservoir 20B and Pump Station 300B—Dublin, CA
Project Engineer. Macy conducted a geotechnical exploration for Reservoir 20B and Pump Station 300B and provided geotechnical consultation during plan set and specifications preparation in 2006. In addition, she reviewed the 90-percent submittal plan set and specifications. The project will include construction of a tank reservoir located east of Reservoir 20A and northwest of Reservoir R20, and the pump station will be located northwest of Reservoir 20A. The portable water facilities are located along the access road from Fallon Road near Signal Hill Drive in Dublin.

Jordan Ranch Services—Dublin, CA
Project Engineer. Macy provided geotechnical recommendations and consultation for the residential project, and oversaw the mass grading and site grading for the project from 2010 to 2017. She also conducted geotechnical explorations, reviewed grading plans, and provided recommendations and consultation during grading and construction of the bridge crossing and culvert. The 185-acre residential site consists of two development phases. The first phase includes 242 single-family lots at the north half of the site. Phase II consists of 10 residential neighborhoods with single-family homes and townhomes.

Tassajara Hills (Moller Ranch), Tract 8102—Dublin, CA
Principal Engineer. Macy provides geotechnical engineering services since 2011 and up to the present for the project. She conducted geotechnical exploration for the residential development and provided geotechnical recommendations for the culvert replacement project. In addition, she provides consultation and recommendations throughout the mass grading and improvement phases. The Tassajara Hills project is a master-planned residential development in north Dublin, California. The project includes 370 residential lots, a

clubhouse/ park amenity, a bridge, two detention basins, and two water quality basins, as well as associated roadways and underground utilities. The project also included replacement of the deteriorated City of Dublin culvert under Tassajara Road with a new, 400-foot-long, 18-foot-diameter culvert and associated wing walls, and widening of approximately 1,500 feet of Tassajara Road. Adjacent to the culvert, 220 feet of existing eroded creek channel were reconstructed with a new riprap protected step pool system.

ENGEO worked closely with the developer, civil engineer and City peer review consultant to optimize the design of project grading. Optimization measures substantially reduced the amount of costly long-distance uphill haul earth movement, and allowed the developer to increase lot sizes by modifying slope grading where it was geotechnically feasible.

Enclave, Tract 8133—Dublin, CA
Project Manager. Macy provided geotechnical engineering services for the project from 2012 through 2019. She conducted a geotechnical exploration for the residential site to provide grading and foundation recommendations. In addition, Macy reviewed the mass grading plans and provided mechanically stabilized earth wall designs. She oversees the testing and observation services during mass grading operations and improvement installation. The 13-acre hillside development site will include 49 single-family residential lots and associated improvements.

Fallon Village—Dublin, CA
Project Engineer. Macy provided geotechnical engineering services, which included review of grading and foundation plans, consultation, providing testing and observation services during mass grading, site grading, and improvement construction from 2010 to 2015. This 1,100-acre site is located in an area of moderately steep hills and was developed for residential uses.

Dougherty Valley Water Reservoir 200B (DSRSD CIP No. 6201C46)—San Ramon, CA
Project Manager. Macy conducted a geotechnical exploration for the water tank. She provided value engineering in reducing the cut slope limit to avoid excavating into the gas main line by incorporating geogrids into the steepened slope. In addition, she oversaw the testing and observation services during site grading and special inspection during tank construction. In addition to special inspection services, ENGEO provided geotechnical recommendations for site grading, utility trench backfill, and roadway construction. The water infrastructure for the site included a 1.2-million-gallon potable below-grade, reinforced concrete reservoir with the top 2 feet of the reservoir exposed. The tank was a pre-stressed concrete design and also has elements of conventionally reinforced concrete and structural steel.

Gale Ranch, Phase 2, Reservoir & Pump Station—San Ramon, CA
Project Manager. Macy provided preliminary geotechnical evaluation and conducted a geotechnical exploration for the water tank and a geotechnical exploration of the pump station in 2001. In addition, she provided consultation and recommendations for the site grading of the project. The project includes a 1.7-million-gallon potable water reservoir and a pump station.

Arroyo Del Valle Encroachment Repair—Pleasanton, CA
Project Engineer. Macy provided geotechnical grading options for the trail repair, prepared repair construction plans, and oversaw the testing and observation services during the repair activities from 2019 to present. The project includes the trail repair along Arroyo del Valle located west of Valley Boulevard.



EDUCATION

MS Civil Engineering, Geotechnical Engineering University of California at Davis 2001

BS Civil Engineering California Polytechnic University, San Luis Obispo 1999

EXPERIENCE

Years with ENGEO: 15
Years with Other Firms: 4

REGISTRATIONS & CERTIFICATIONS

Geotechnical Engineer, CA 2763

Professional Engineer, CA 65916

Professional Engineer, NV 018031

CASQA QSD Certified, CA 22595

Nuclear Gauge Operator, CA MJ6778AD5IAB7CJ_42998

SPECIALIZATIONS

- Compressible Soils
- Construction Observation
- Deep Foundations
- Earth Retaining Structures
- Foundation Design
- Hillside Grading
- Landslide Investigations and Repairs
- Levee Analyses
- Liquefaction Analyses
- Pavement Evaluation and Design
- Port and Harbor Facilities
- Seepage Evaluation
- Subgrade Stabilization

JONATHAN C. BOLAND, GE, QSD

Associate

Jon works directly with public agencies, developers, and land owners, providing geotechnical consulting, project management, and quality assurance materials testing for residential communities, hospitals, schools, water storage, levees and other public works projects throughout northern California and western Nevada.

Jon has extensive experience with managing and coordinating field testing operations during mass grading activities, underground utility construction, and asphalt concrete paving in accordance with local and state specifications. He has performed analysis of levee embankments for seepage and stability and has prepared design recommendations for deep pile foundation systems including vertical pile capacity, lateral pile deflection analysis, consideration for pile groups, and long term settlement potential.

SELECT PROJECT EXPERIENCE

Hood Water Storage Site WT-13—Rio Vista, CA
Project Manager. Jon performed the geotechnical exploration, analyzed the drilled piers, performed finite element settlement analysis for the at-grade tank, performed liquefaction analysis, and prepared the geotechnical exploration report. The project includes construction of a 175,000 gallon, 40-foot diameter water storage tank and associated infrastructure.

River Pines PUD Water Tank—River Pines, CA
Project Manager. The project includes construction of a new 300,000-gallon prestressed concrete water tank. The 45-foot-diameter tank will be constructed near an existing tank, will be partially buried, and will have a normal operating level of about 25 feet of water. Due to the site topography and property line constraints, temporary cut slopes and temporary sheetpile shoring are anticipated during construction. The tank will be supported in cut approximately 3 to 13 feet below existing grades. Foundation support includes a perimeter ring footing. The tank will be backfilled to near existing grade on the uphill side with an approximately 7-foot-high 2:1 fill slope on the downhill side.

Greenwood Reservoir WTP and Treated Water Mains GEX Update—Georgetown, CA
Assistant Project Manager. Jon assisted in developing recommendations for the project geotechnical report. Project challenges included exploration in remote areas along the

15,000 foot long pipeline alignment, developing excavatabiltiy recommendations, percolation testing for septic tank design, and testing for Naturally Occurring Asbestos (NOA). The project includes approximately 15,400 linear feet of 18 to 20 inch diameter treated water main. Additionally, a 1 million gallon water storage tank, three masonry buildings, backwash ponds, and paved parking and drive lanes are included at the water treatment plant location.

DWR Non-Urban Levee Evaluation Project - TO 102—Sacramento, CA
Assistant Project Manager. Jon reviewed historic reports, as built plans, boring logs, and field reports categorize problem areas within the non-urban levee system. Additionally, he conducted interviews with local Reclamation District representatives. ENGEO performed a data study of approximately 100 miles of non-urban levees in the Sutter County area of California. The levee systems in our study area include levees in Reclamation District 70, 1500, and 1660 in Sutter County.

Miners Ravine Off-Channel Detention Basin—Roseville, CA
Project Engineer. Jon assisted in project oversight for earthwork construction of the off-channel detention basin per DSOD requirements. The project includes an off-channel detention basin to control flooding on Miner's Ravine. The basin was formed by constructing a 1,500 foot long earth fill embankment with 2:1 (H:V) side slopes and a maximum height of 20 feet. Because of the combined embankment height and storage capacity, the embankment is a "jurisdictional dam" and construction and design was reviewed by the State of California Division of Safety of Dams (DSOD). Due to loose sediment in the area of the embankment, the foundation was overexcavated as much as 10 feet prior to placing fill. DSOD regulations required sand cone testing for compaction monitoring. The project required close coordination with DSOD staff. *This project is an ASCE Sustainable Project of the Year Award and ACEC Engineering Excellence Merit Award winner.*

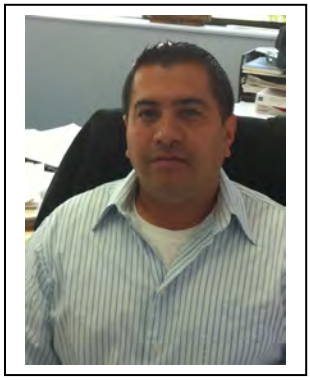
Reclamation District No. 17 (RD-17)—Lathrop, CA
Senior Engineer. Jon performed geotechnical slope stability analyses using UTEXAS4 and prepared filter design calculations following the Army Corps guidelines for multiple levee reaches within the District. Jon also coordinated drilling operations to obtain undisturbed shelby tube samples from the levee prism and foundation soil for triaxial laboratory testing to determine the drain and undrained strength envelopes for use in stability analyses. RD-17 operates approximately 19 miles of levees that protect portions of the urban areas within the cities of Stockton, Lathrop, and Manteca.

Reclamation District No. 404—Stockton, CA
Senior Engineer. Jon performed geotechnical slope stability analyses using Slope/W for multiple levee reaches within the District. The analyses considered both high and low flow water elevations and various conditions including steady state seepage, rapid drawdown, seismic, and liquefaction. He also coordinated and reviewed laboratory testing to determine the drained and undrained strength envelopes for use in engineering analysis. The RD-404 levee system consists of approximately four miles of Federal Project Levee and approximately ¾ mile of Non-Project Levee.

Rancho Arroyo Seco—Ione, CA
Project Manager. Jon provided geotechnical and geologic feasibility evaluation/recommendations. The project consists of due diligence for an approximately 17,000 acre master planned community in Amador County, California. The site includes hazards and constraints from historic mining activities, active aggregate and gravel mines, multiple geologic units, and considerations for dam safety.

JOSE DOMINGUEZ

Operations Manager



Mr. Dominguez brings over 27 years of extensive experience in construction services, cathodic protection, utility locating and with a heavy focus on project design support. His diverse construction experience includes Cathodic Protection, Underground Utility Locating by Electronic Detection, Ground Penetrating Radar, and Vacuum Excavation, GPS, Concrete Rebar Scanning, Service Termination Support, Gas Leak Detection/Repairs, Water Leak Detection, CCTV Inspections, Pipe Bursting (Expandit), Directional Drilling, Certified in Plastic Fusion Welding, Confined-Space Entry, Internal Pipe Sealing (AMEX-10/WEKO-SEAL).

Mr. Dominguez has worked and overseen large projects with the Peninsula Corridor Joint Power Board (PCJPB) Right-Away, Union Pacific Rail Road Right-Away, BART Right-Away, NASA Ames Research Center, PG&E Plant Terminals, MMWD, CCCSD and JDH Corrosion.

Representative Project Experience

- PG&E Centerline Project
- PG&E Potholing on the Jail Line pipeline (City of San Francisco)
- BART Earthquake Safety program - Various projects through out the bay area on Aerials Tracks, Stations, Yard & Shops for clients: HDR Engineering, Washington Group Int'l, Parsons, Chaudhary & Associates, DMJM, Structus, BKF Engineers & Biggs Cardosa
- Grade Separation Project - HNTB Corporation Project in San Bruno CA. Potholing on the Joint Powers Board (Caltrain) Right-Away.
- Bridge Footings - Niles Canyon Rosewarnes Rte.84 Project - California Department of Transportation Projects in the City of Fremont, CA
- Bay Bridge Project - California Department of Transportation Projects in San Francisco/Oakland.
- Marin Municipal Water District Corrosion Test Station Rehabilitation Project - MMWD
- Lawrence Berkeley National Laboratory Storm Drain Project - YEI Engineers, Inc. Project in Berkeley, CA.
- PG&E Gas Leaks Repair Project - San Francisco, CA
- Vacuum Excavation (potholing) on Sunnyvale-Saratoga Road Bicycle and Pedestrian Safety Improvements – Sunnyvale, CA
- Electronic Detection and Ground Penetrating Radar (GPR) on the Pond 20 & Pond 9 – Cupertino, CA
- Vacuum excavation on Pavement Section Reconstruction Project – Santa Clara, CA

JOSE DOMINGUEZ

Firm

EXARO Technologies Corporation

Education

San Francisco State University

Special Training Programs:

- **Vacuum Excavation - Operator Qualified per Title 1 Section 4216 Government Code**
- **Electronic Detection - Operator Qualified per Title 1 Section 4216 Government Code**
- **Ground Penetrating Radar - Operator Qualified per Title 1 Section 4216 Government Code**
- **SVRT/RWP, JPB**
- **Federal OSHA'S CFR 1920.146 Permit Required Confined Space Regulations**
- **Certified in Plastic Fusion welding**
- **Hazardous and Toxic Waste Trained**
- **Environmental Awareness**

Hire Date with EXARO Technologies Corporation

2005

Years of Experience with other Firms

Entered profession in 1991



WOOD RODGERS

BUILDING RELATIONSHIPS ONE PROJECT AT A TIME

3301 C Street, Bldg 100-B
Sacramento, CA 95816
Tel: 916.341.7760
Fax: 916.341.7767

4670 Willow Road, Suite 125
Pleasanton, CA 94588
Tel: 925.847.1556
Fax: 925.847.1557



Staffing Worksheet & Fee Estimate

COMPANY: Wood Rodgers Inc.

CLIENT: Dublin San Ramon Services District

PROJECT: Reservoir 20B (CIP 14-W008)

TASK DESCRIPTION		***WOOD RODGERS, INC.***															
	Project Role:	PIC / PM	Design Manager	QA/QC Manager	Mechanical Engineer	Site Civil / Grading	Utilities / Pipelines	Modeling / Hydraulics	Permitting	CADD Designer	Surveyor	Survey Crew	Project Admin	Subtotal Hours	Subtotal Labor Cost	Subconsultant Total	TOTAL FEE
	Billing Classification:	Principal Engineer II	Principal Engineer I	Principal Engineer I	Principal Engineer I	Principal Engineer I	Engineer II	Engineer III	Associate Engineer II	Engineer I	Associate Surveyor III	2-person Crew	Project Coordinator				
	Personnel:	K. Gustorf	K. Meier	P. Tobia	E. Gosse	K.. Mosca	L. Philbert	S. Reppert	T. Chamberlain	several	R. Sexton	2-person Crew	C. Levin				
	Billing Rate:	$ 255.00	$ 225.00	$ 225.00	$ 225.00	$ 225.00	$ 170.00	$ 180.00	$ 205.00	$ 160.00	$ 215.00	$ 315.00	$ 140.00				
TASK 1 - PROJECT ADMINISTRATION AND COORDINATION		**116**	**12**	**0**	**0**	**8**	**0**	**0**	**40**	**0**	**0**	**0**	**0**	**176**	**$ 42,280.00**	**$ 9,938.00**	**$ 53,212.00**
Task 1.1 - Project Management		80												80	$ 20,400.00	$ -	$ 20,400.00
Task 1.2 - Project Meetings and Workshops		24	12			8								44	$ 10,620.00	$ 9,938.00	$ 21,552.00
Task 1.3 - Stakeholder Coordination and Permitting		12							40					52	$ 11,260.00	$ -	$ 11,260.00
PHASE 1 - PRELIMINARY ENGINEERING AND ENVIRONMENTAL PLANNING		**46**	**100**	**8**	**12**	**44**	**48**	**60**	**0**	**136**	**18**	**40**	**4**	**516**	**$ 106,380.00**	**$ 164,256.00**	**$ 287,064.00**
TASK 2 - WATER DISTRIBUTION EVALUATION		**4**	**12**	**0**	**0**	**0**	**0**	**60**	**0**	**0**	**0**	**0**	**0**	**76**	**$ 14,520.00**	**$ -**	**$ 14,520.00**
Task 2.1 - Hydraulic Modeling		4	12					60						76	$ 14,520.00	$ -	$ 14,520.00
TASK 3 - PRELIMINARY DESIGN REPORT		**16**	**64**	**8**	**12**	**40**	**0**	**0**	**0**	**120**	**0**	**0**	**4**	**264**	**$ 51,740.00**	**$ 34,821.00**	**$ 90,044.00**
Task 3.1 - Reservoir Site Analysis		8	24			24				60				116	$ 22,440.00	$ 18,346.00	$ 42,621.00
Task 3.2 - Preliminary Design Report		8	40	8	12	16				60			4	148	$ 29,300.00	$ 16,475.00	$ 47,423.00
TASK 4 - UTILITY DOCUMENTATION, RIGHT-OF-WAY, PROPERTY AND UTILITY RESEARCH		**4**	**8**	**0**	**0**	**0**	**40**	**0**	**0**	**0**	**8**	**0**	**0**	**60**	**$ 11,340.00**	**$ 4,000.00**	**$ 15,740.00**
Task 4.1 - Utility Research and Documentation		2	8				40							50	$ 9,110.00	$ -	$ 9,110.00
Task 4.2 - Right-of-Way Cost Estimate and Planning		2									8			10	$ 2,230.00	$ 4,000.00	$ 6,630.00
TASK 5 - GEOTECHNICAL INVESTIGATIONS		**4**	**8**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**$ 3,720.00**	**$ 33,842.00**	**$ 40,947.00**
Task 5.1 - Field Exploration		2												2	$ 510.00	$ 19,926.00	$ 22,429.00
Task 5.2 - Report Preparation and Analysis		2	8			4								14	$ 3,210.00	$ 13,916.00	$ 18,518.00
TASK 6 - TOPOGRPAHIC MAPPING AND SURVEY CONTROL		**4**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**8**	**32**	**0**	**68**	**$ 17,180.00**	**$ -**	**$ 17,180.00**
Task 6.1 - Field Survey		4	8							16	8	32		68	$ 17,180.00	$ -	$ 17,180.00
TASK 7 - FIELD VERIFICATION OF EXISTING UTILITIES		**2**	**0**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**2**	**8**	**0**	**20**	**$ 4,820.00**	**$ 22,874.00**	**$ 29,981.00**
Task 7.1 - Potholing		2					8				2	8		20	$ 4,820.00	$ 22,874.00	$ 29,981.00
TASK 8 - CEQA ENVIRONMENTAL DOCUMENTATION		**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**$ 3,060.00**	**$ 68,719.00**	**$ 78,652.00**
Task 8.1 - CEQA Kick-off		2												2	$ 510.00	$ 1,310.00	$ 1,951.00
Task 8.2 - Project Description		2												2	$ 510.00	$ 2,958.00	$ 3,764.00
Task 8.3 - Administrative Draft IS		2												2	$ 510.00	$ 43,967.00	$ 48,874.00
Task 8.4 - Public Review Draft IS-MND		2												2	$ 510.00	$ 9,619.00	$ 11,091.00
Task 8.5 - Final IS-MND		2												2	$ 510.00	$ 8,857.00	$ 10,253.00
Task 8.6 - Public Hearings		2												2	$ 510.00	$ 2,008.00	$ 2,719.00

Staffing Worksheet & Fee Estimate

COMPANY: Wood Rodgers Inc.

CLIENT: Dublin San Ramon Services District

PROJECT: Reservoir 20B (CIP 14-W008)

TASK DESCRIPTION		WOOD RODGERS, INC.															
	Project Role:	PIC / PM	Design Manager	QA/QC Manager	Mechanical Engineer	Site Civil / Grading	Utilities / Pipelines	Modeling / Hydraulics	Permitting	CADD Designer	Surveyor	Survey Crew	Project Admin	Subtotal Hours	Subtotal Labor Cost	Subconsultant Total	TOTAL FEE
	Billing Classification:	Principal Engineer II	Principal Engineer I	Principal Engineer I	Principal Engineer I	Principal Engineer I	Engineer II	Engineer III	Associate Engineer II	Engineer I	Associate Surveyor III	2-person Crew	Project Coordinator				
	Personnel:	K. Gustorf	K. Meier	P. Tobia	E. Gosse	K.. Mosca	L. Philbert	S. Reppert	T. Chamberlain	several	R. Sexton	2-person Crew	C. Levin				
	Billing Rate:	$ 255.00	$ 225.00	$ 225.00	$ 225.00	$ 225.00	$ 170.00	$ 180.00	$ 205.00	$ 160.00	$ 215.00	$ 315.00	$ 140.00				
PHASE 2 - DETAILED DESIGN PHASE		**46**	**260**	**30**	**44**	**84**	**44**	**0**	**36**	**640**	**0**	**0**	**32**	**1216**	**$ 227,520.00**	**$ 136,606.00**	**$ 377,787.00**
TASK 9 - PERMITTING, PROPERTY ACQUISITION AND INTERAGENCY AGREEMENTS		**6**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**	**0**	**30**	**$ 6,450.00**	**$ 14,000.00**	**$ 21,850.00**
Task 9.1 - Permitting		2							24					26	$ 5,430.00	$ -	$ 5,430.00
Task 9.2 - Fee Appraisal		2												2	$ 510.00	$ 8,500.00	$ 9,860.00
Task 9.3 - Acquisition and Negotiation		2												2	$ 510.00	$ 5,500.00	$ 6,560.00
TASK 10 - 50% DESIGN SUBMITTAL		**12**	**80**	**12**	**16**	**40**	**16**	**0**	**0**	**240**	**0**	**0**	**8**	**424**	**$ 78,600.00**	**$ 47,230.00**	**$ 130,553.00**
Task 10.1 - 50% PS&E		12	80	12	16	40	16			240			8	424	$ 78,600.00	$ 47,230.00	$ 130,553.00
TASK 11 - 75% DESIGN SUBMITTAL		**12**	**80**	**8**	**16**	**24**	**16**	**0**	**0**	**200**	**0**	**0**	**8**	**364**	**$ 67,700.00**	**$ 33,330.00**	**$ 104,363.00**
Task 11.1 - 75% PS&E		12	80	8	16	24	16			200			8	364	$ 67,700.00	$ 33,330.00	$ 104,363.00
TASK 12 - 90% & 95% DESIGN SUBMITTAL		**12**	**84**	**8**	**12**	**20**	**12**	**0**	**12**	**160**	**0**	**0**	**12**	**332**	**$ 62,740.00**	**$ 26,290.00**	**$ 91,659.00**
Task 12.1 - 90% PS&E		8	60	6	12	20	12			160			8	286	$ 52,850.00	$ 21,630.00	$ 76,643.00
Task 12.2 - 95% PS&E		4	24	2					12				4	46	$ 9,890.00	$ 4,660.00	$ 15,016.00
TASK 13 - 100% DESIGN SUBMITTAL		**4**	**16**	**2**	**0**	**0**	**0**	**0**	**0**	**40**	**0**	**0**	**4**	**66**	**$ 12,030.00**	**$ 15,756.00**	**$ 29,362.00**
Task 13.1 - 100% PS&E		4	16	2						40			4	66	$ 12,030.00	$ 15,756.00	$ 29,362.00
PHASE 3 - BID/AWARD PHASE SERVICES		**10**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**36**	**$ 7,620.00**	**$ 12,842.00**	**$ 21,746.00**
TASK 14 - ENGINEERING SERVICES IN SUPPORT OF BID/AWARD PHASE		**10**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**36**	**$ 7,620.00**	**$ 12,842.00**	**$ 21,746.00**
Task 14.1 - Pre-Bid Meeting		2	2											4	$ 960.00	$ -	$ 960.00
Task 14.2 - Addenda		2	4							4				10	$ 2,050.00	$ 1,060.00	$ 3,216.00
Task 14.3 - RFCs		2	4											6	$ 1,410.00	$ 7,472.00	$ 9,629.00
Task 14.4 - Bid Evaluation		2	2											4	$ 960.00	$ 530.00	$ 1,543.00
Task 14.5 - Conformed Drawings		2	2							8				12	$ 2,240.00	$ 3,780.00	$ 6,398.00
PHASE 4 - ENGINEERING SERVICES DURING CONSTRUCTION PHASE																	**$ -**
TASK 15 - ENGINEERING SERVICES INSUPPORT OF CONSTRUCTION PHASE		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**$ -**	**$ -**	**$ -**
Task 15.1 - Xxxxxxxxx		FEE ESTIMATE NOT REQUIRED AT THIS TIME												0	$ -	$ -	$ -
TOTAL HOURS		**218**	**386**	**38**	**56**	**136**	**92**	**60**	**76**	**788**	**18**	**40**	**36**	**1944**	$ 383,800.00		
TOTAL FEE		**$ 55,590.00**	**$ 86,850.00**	**$ 8,550.00**	**$ 12,600.00**	**$ 30,600.00**	**$ 15,640.00**	**$ 10,800.00**	**$ 15,580.00**	**$ 126,080.00**	**$ 3,870.00**	**$ 12,600.00**	**$ 5,040.00**		**$ 383,800.00**	**$ 323,642.00**	**$ 739,809.00**

Printing/Reprographics	$2,500.00
Deliveries	$500.00
Mileage/Travel	$3,000.00
ODCs Total:	**$6,000.00**
Sub Mark-Up	**10%**
FEE TOTAL	**$ 745,809.00**

EXHIBIT "B"



PLEASANTON FEE SCHEDULE
Effective January 1, 2021

CLASSIFICATION	STANDARD RATE
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$255
Principal Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$225
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$215
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$205
Associate Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$195
Engineer/Geologist/Surveyor/Planner/GIS/LA* III	$180
Engineer/Geologist/Surveyor/Planner/GIS/LA* II	$170
Engineer/Geologist/Surveyor/Planner/GIS/LA* I	$160
Assistant Engineer/Geologist/Surveyor/Planner/GIS/LA*	$130
CAD Technician III	$160
CAD Technician II	$145
CAD Technician I	$130
Project Coordinator	$140
Administrative Assistant	$120
1 Person Survey Crew	$215
2 Person Survey Crew	$315
3 Person Survey Crew	$405
Consultants, Outside Services, Materials & Direct Charges	Cost Plus 10%
Overtime Work	Rate Plus 50%

*LA = Landscape Architect

Blueprints, reproductions, and outside graphic services will be charged at vendor invoice. Auto mileage will be charged at the IRS standard rate, currently 57.5 cents per mile.

Fee Schedule subject to change January 1, 2022.

BRADY

Labor Category	Code	2020 Hourly Rates
Senior Program Manager / Senior Principal	P7	$305.00
Program Manager / Principal Engineer II	P6	$265.00
Managing Engineer / Principal Engineer I	P5	$225.00
Senior Engineer / Project Manager	P4	$185.00
Project Engineer	P3	$170.00
Staff Engineer	P2	$155.00
Associate Engineer	P1	$130.00
Senior Designer	D3	$175.00
Designer	D2	$130.00
Drafter	D1	$110.00
Senior Administrative Staff / Contracts	A3	$165.00
Admin Assistant, Project Coordinator	A2	$95.00
Reproduction Clerk, File Clerk, Data Entry	A1	$75.00
Construction Manager	CM3	$190.00 * (1)
Senior Construction Inspector	CM2	$170.00 * (1)
Construction Inspector	CM1	$155.00 * (1)

Rincon Consultants, Inc.

Standard Fee Schedule for Environmental Sciences and Planning Services

Professional, Technical and Support Personnel*	Hourly Rate
Principal II	$240
Director II	$240
Principal I	$220
Director I	$220
Senior Supervisor II	$205
Supervisor I	$195
Senior Professional II	$175
Senior Professional I	$160
Professional IV	$145
Professional III	$130
Professional II	$115
Professional I	$105
Associate III	$95
Associate II	$90
Associate I	$82
Project Assistant	$75
Senior GIS Specialist	$140
GIS/CADD Specialist II	$125
GIS/CADD Specialist I	$112
Technical Editor	$112
Production Specialist	$88
Clerical	$75

*Professional classifications include environmental scientists, urban planners, biologists, geologists, marine scientists, GHG verifiers, sustainability experts, cultural resources experts and other professionals. Expert witness services consisting of depositions or in-court testimony are charged at the hourly rate of $350.

Reimbursable Expenses

Direct Cost	Rates
Photocopies – Black and White	$0.20 (single-sided) & $0.36 (double-sided)
Photocopies – Color	$1.50 (single-sided) & $3.20 (double-sided)
Photocopies – 11 x 17	$0.50 (B&W) & $3.20 (color)
Oversized Maps	$8.00/square foot
Digital Production	$15/disc and $20/flash drive
Light-Duty and Passenger Vehicles*	$85/day
4WD and Off-Road Vehicles*	$135/day

* $0.65/mile for mileage over 50 and for all miles incurred in employee-owned vehicles.

Other direct costs associated with the execution of a project, that are not included in the hourly rates above, are billed at cost plus 15%. These may include, but are not limited to, laboratory and drilling services, subcontractor services, authorized travel expenses, permit charges and filing fees, mailings and postage, performance bonds, sample handling and shipment, rental equipment and vehicles other than covered by the above charges.

Payment Terms – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 10 days from receipt.

Due to COVID19 Rincon continues to offer 2019 rates, with no annual escalation for 2020. This represents ~4% discount.

Equipment	Day Rate
Environmental Site Assessment	
Brass Sample Sleeves, Bailers, Disposable Bailers	$25
Water Level Indicator, DC Purge Pump	$40
Hand Auger Sampler	$55
Oil-Water Interface Probe	$85
Four Gas Monitor or Photo-Ionization Detector	$120
Soil Vapor Extraction Monitoring Equipment	$140
Flame Ionization Detector	$200
Natural Resources Field Equipment	
Trimble GPS (sub-meter accuracy)	$190
UAS Drone	$250
Pettersson Bat Ultrasound Detector/Recording Equipment	$150
Spotting or Fiberoptic Scope	$150
Amphibian/Vernal Pool Field Package (digital camera, GPS, thermometer, decon chlorine, waders, float tube, hand net, field microscope)	$150
Remote Field Package (digital camera, GPS, thermometer, binoculars, tablet and mifi, Delorme Satellite Beacon, 24-hour safety phone)	$125
Sound Level Metering Field Package (anemometer, tripod and digital camera)	$100
Standard Field Package (digital camera, GPS, thermometer, binoculars, tablet, safety equipment, and botanic collecting equipment)	$95
Fisheries Equipment Package (waders, wetsuits, dip nets, seine nets, bubblers, buckets)	$50
Water Quality Equipment (DO, pH, turbidity, refractometer, temperature)	$55
Large Block Nets	$100
Minnow Trap	$85
Infrared Sensor Digital Camera or Computer Field Equipment	$50
Scent Station	$20
Laser Rangefinder/Altitude	$10
Net, Hand/Large Seine	$10/$50
Pit-fall Traps, Spotlights, Anemometer, GPS Units, Sterilized Sample Jar	$8
Mammal Trap, Large/Small	$1.50/$.50
Water and Marine Resources Equipment	
Refractometer (salinity) or Turbidity Meter	$35
Multi Parameter Sonde (temperature, conductivity, turbidity, DO, pH) with GPS	$150
Boat (20 ft. Boston Whaler or similar)	$300
Boat (26 ft. Radon or similar)	$550
Side Scan or Single Beam Sonar	$700
Underwater and Marine Sampling Gear includes: U/W Photo/Video Camera, SCUBA Equipment (tanks, BCD, regulators, wetsuits, etc.)	$50/diver
Marine Field Package: (personal flotation devices (PFDs), 100 ft. reel tapes with stainless carabiners, Pelican floats, underwater slates, thermometer, refractometer, anemometer, various field guides)	$50
Insurance, Hazard and Safety Fees	
L&H Dive Insurance	$50/diver
Hazard Premium (In or Underwater ONLY per/hour)	$1.25/hour
Level C Health and Safety	$60 person

ENGINEERS, INC.
Oakland, San Francisco, Orange County, CA
1305 Franklin street, Suite 206
Oakland, CA 94612
Phone: (510) 267-0441 – Fax: (510) 267-0443

RATE SCHEDULE

Effective 1-1-2021

Classifications	*Hourly rates*
Project Manager	**$275**
Senior Engineer	**$258**
Engineer 2	**$215**
Engineer 1	**$202**
CADD designer 1	**$133**
CAD operator	**$120**
Office Support	**$109**

This document is considered business confidential and must not be disclosed to third parties without written consent from DTN Engineers.

MONUMENT RIGHT-OF-WAY
2020 HOURLY RATE SCHEDULE

Right of Way Management & Implementation	
Program Manager / Principal	$250.00 per hour
Senior Project Manager	$165.00 per hour
Project Manager	$150.00 per hour
Senior Acquisition Agent / Senior Relocation Agent / Senior Analyst	$125.00 per hour
Acquisition Agent / Relocation Agent / Analyst	$105.00 per hour
Project Analyst	$90.00 per hour
Project Support / Administrative	
Project Support Specialist	$65.00 per hour
Administrative Assistant	$40.00 per hour

The above hourly rates are exclusive of local travel/mileage, photocopying, first class postage and overnight courier service. These expenses including out-of-pocket expenses such as pre-approved travel and lodging, outside exhibit preparation, requested overnight courier or registered and/or certified mail (return receipt requested) charges, and specialty reproduction (unless otherwise specified) are in addition to the contract amount and will be charged at cost plus ten percent (+10%) for administration, coordination, and handling. Subcontracted services, other than those listed above, will be invoiced at cost plus ten percent (+10%).

In the event Monument is required to perform any act in relation to litigation arising out of any project with the Client (for example, expert consulting, responding to a complaint, or proceeding with discovery and trial), such services are not part of this contract, nor are they part of our normal fees. If required, these types of services will be invoiced at two times the regular hourly rates.

In the event this contract extends twelve (12) months beyond the initial date of execution, the hourly rates and any remaining amount in the contract shall be adjusted upwardly by five percent (5%) per annum, compounded annually, on the anniversary date of this contract.

Written communication services in other languages would be an additional cost and would be billed separately based on quoted hourly rates by independent translation services. Verbal communication in Spanish, if necessary, will be included at no additional charge.

Monument will submit monthly invoices for the professional and trade services rendered based on the hourly rate schedule provided above. The client shall promptly pay the uncontested amount due within no more than thirty (30) days after receipt of invoice. Upon completion of services, the remaining unbilled amount of the project balance shall become immediately due and payable.

PREFERRED CLIENT FEE SCHEDULE
PROFESSIONAL SERVICES
Effective March 2020

President	$395.00 per hour
Principal	$298.00 per hour
Associate	$250.00 per hour
Senior Engineer/Geologist/Seismologist	$220.00 per hour
Project Engineer/Geologist/Seismologist	$198.00 per hour
Environmental Scientist	$182.00 per hour
Staff Engineer/Geologist/Seismologist	$178.00 per hour
Assistant Engineer	$140.00 per hour
Construction Services Manager	$175.00 per hour*
Senior Field Representative II	$153.00 per hour*/**
Senior Field Representative I	$138.00 per hour*/**
Field Representative	$128.00 per hour*/**
Environmental Technician	$130.00 per hour*/**
Senior Laboratory Technician	$155.00 per hour
Laboratory Technician	$140.00 per hour
Senior CAD Specialist	$148.00 per hour
CAD Specialist	$138.00 per hour
GIS Analyst	$153.00 per hour
Network Administrator	$195.00 per hour
Project Assistant	$119.00 per hour

* Two-hour minimum portal to portal and cancellations within 24 hours.
* OVERTIME RATES: Rates increased by factor of 1.5 for all hours worked in excess of eight (8) Monday through Friday, and the first eight (8) hours worked on Saturday. Rates increased by factor of 2.0 for all hours worked in excess of twelve (12) Monday through Friday, all hours worked in excess of eight (8) on Saturday and all hours worked on Sunday and holidays.
** For Prevailing Wage projects, increase the hourly rate by $15.
** Rates increased by factor of 1.25 for night shift hours (hours commencing after 4:00 p.m. or before 4:00 a.m.); rates increased by factor of 1.875 (an additional factor of 1.5) for all night shift hours in excess of eight (8).

ADDITIONAL SERVICES OFFERED

In addition to our core services of geotechnical, hydrologic and environmental engineering, including construction-phase testing and observation, ENGEO provides clients with services for establishment and management of Geologic Hazard Abatement Districts (GHAD) and for Entitlement and Permitting Support (EPS). For more information about these services and associated pricing, please contact ENGEO at (925) 866-9000.

OTHER FEES

- Equipment and materials will be charged in addition to the above hourly rates.
- Outside Consultants, Subcontracted Services and Equipment Rental ..... Cost plus 20%
- Deposition, Mediation, Arbitration, or Court Appearance (Minimum Charge) ..... $2,000.00 half day, $4,000.00 full day

TERMS

Invoices will be submitted at completion of work or at approximately four week intervals and are due and payable upon receipt. Statements will be issued at monthly intervals. Charges not paid within 30 days of invoice date will accrue a late charge at a rate of 1.5 percent per month. In the event it becomes necessary to commence suit to collect amount due, Client agrees to pay attorney's fees and costs, as the court may deem reasonable until amount is paid. Fees will be applicable for one year from the effective date above; thereafter, fees will be adjusted annually. Our fees will be billed using an invoice format produced by a standardized accounting software package. A more customized itemization of charges and backup data will be provided upon Client's requests, but at additional fees. Final reports may be withheld until outstanding invoices are paid in full.

Many risks potentially affect ENGEO by virtue of entering into this agreement to perform services on behalf of client. A principal risk is the potential for human error by ENGEO. For client to obtain the benefit of a fee that includes a nominal allowance for dealing with our liability, client agree to limit ENGEO's liability to Client and all other parties for claims arising out of our performance of the services described in the agreement. The aggregate liability will not exceed $50,000 (or ENGEO's fee, whichever is greater, but not more than $1,000,000) for professional acts, errors, or omissions, including attorney's fees and costs that may be awarded to the prevailing party and client agrees to indemnify and hold harmless ENGEO from and against all liabilities in excess of the monetary limit established above.

EQUIPMENT AND MATERIALS CHARGES

DESCRIPTION	COST PER UNIT ($)	UNIT
Air Content Meter	7.00	hour
Bailers (Disposable)	8.00	each
Concrete Crack Monitor	20.00	each
Coring Machine	25.00	hour
Double-Ring Infiltrometer	40.00	hour
Electronic Water Level Indicator	5.00	hour
Engineering Analysis Software	30.00	hour
Equipment Transport(er)	100.00	hour
Exploration Equipment (Percussion Penetrometer)	50.00	hour
Floor Flatness/Floor Level Equipment	40.00	hour
Generator	15.00	hour
GIS Website Portal Maintenance	100.00	month
GPR/GPS Handheld Device	10.00	hour
GPR/GPS/Drone Survey Grade Equipment	175.00	hour
Hand Auger and Soil Sampler	15.00	hour
Hydraulic Pull-Test Equipment	25.00	hour
Interface Probe	2.00	hour
Magnetic Particle Test Equipment	25.00	hour
Moisture Content Test Equipment	6.00	hour
Multi-Parameter Water Meter	15.00	hour
pH Meter/Turbidity Meter	10.00	hour
Photo Ionization Detector	15.00	hour
Pachometer	100.00	hour
Sampling Tubes	10.00	each
Sand Cone Equipment and Material	5.00	hour
Schmidt Hammer	20.00	hour
Seismometer	50.00	hour
Skidmore Wilhelm Bolt Tension Calib.	40.00	hour
Slope Inclinometer/Settlement Indicator/VW Readout	50.00	hour
Torque Wrench	15.00	hour
Transfer Pump	3.00	hour
Ultrasonic Equipment	50.00	hour
Vapor Emission Test Kit	40.00	kit
Vector Conversion	60.00	conversion
Vehicle, nuclear gauge, equipment, wireless communication. *Add $2.00/hr. for RTK enabled autotesting equipment.	28.00*	hour
Vehicle, equipment, wireless communication	19.00	hour
Vibration Monitor	1800.00	month
Water Sampling Pumps	20.00	hour
Bridge Toll	actual	actual
Mileage	.78	mile
Parking	actual	actual
AutoCAD, Civil 3D, GIS, Drone Data Processing	27.00	hour
Photocopies Black & White	0.25	each
Photocopies Color 11 x 17	1.50	each
Photocopies Color 8½ x 11	1.00	each
Plot - Black & White	3.00	square foot
Plot - Color	4.00	square foot
Postage	actual	actual
Scan - Black & White	1.50	each
Scan - Color	3.75	each
Telephone	0.50	minute

EXARO Technologies Corporation
1831 Bayshore Highway* Burlingame, CA 94010
[Tel] (650) 777-4324 [Fax] (650) 777-4326
General Engineering Contractor # 860376

SCHEDULE OF FEES

FULLY LOADED HOURLY CHARGES FOR PERSONNEL

Foreman	$ 209.94
Technician	$ 201.73
Project Manager	$ 242.68
Project Engineer Support	$ 102.09

OTHER CHARGES

Arrow Board	$ 155/day
Bobcat Loader	$ 400/day
Core Drill	$ 360/day
Electronic Detection Equipment	$ 110/day
Ground Penetrating Radar (GPR) Equipment	$ 275/day
Mini Excavator	$ 385/day
Tamper Jumping Jack	$ 100/day
Dump Truck	$ 320/day
Full Size Truck	$ 258/day
Pickup Truck	$ 210/day
Vacuum Excavation Truck	$ 900/day
Super Sucker Hydro Vacuum Truck	$1,350/day
Mobilization	Project Based
Subsistence	$ 150/night/person
Direct Project Expenses	Cost plus 15 %

NOTES (Field Services)

Overtime rates at 1.5 times the regular rates will be charged for work performed outside normal construction hours and all day on Saturdays. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day or on Sundays and holidays. Lead time for any requested service is 48 hours. Potholing rates are based on a 4-hour minimum for the first 4 hours and an 8-hour minimum for hours exceeding 4 hours. Field personnel are charged portal to portal.

TERMS AND CONDITIONS

The terms and conditions of providing our consulting services include our limitation of liability and indemnities as presented in Company Name's Work Authorization and Agreement.

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists

RECOMMENDATION:

Staff recommends the Board of Directors receive a verbal update on the COVID-19 emergency and approve, by Motion, a continuation of the State of Emergency response to the COVID-19 pandemic, as declared by the General Manager and confirmed and ratified by Resolution No. 26-20, and find that there exists a need for continuing the District's COVID-19 emergency which the Board last confirmed on December 1, 2020.

SUMMARY:

On March 25, 2020, the Board of Directors approved Resolution No. 26-20, which confirmed the District's State of Emergency in response to the COVID-19 pandemic and directed the General Manager to provide regular progress reports to the Board until the State of Emergency is terminated. Although the Bay Area is experiencing a surge in COVID-19 cases, there have been no significant changes to the District's COVID-19 response since the Board was last updated. The District continues to operate under COVID-19 emergency restrictions and comply with all state and local public health orders. To assure proper staffing and support of critical operational functions, staff is requesting the Board find that there still exists a need to continue the State of Emergency.

BACKGROUND:

COVID-19 was declared a pandemic by the World Health Organization on March 11, 2020. The first Bay Area Shelter-in-Place (SIP) orders were issued on March 16, 2020, which Governor Newsom extended to the entire State on March 19, 2020. Since most District facilities are located within Alameda County, emergency response plans have been based on the Alameda County SIP order. The Alameda County SIP order directed residents to stay at home and limit activity, travel, and business functions to the most essential needs. The SIP order provided an exception for the operations and maintenance of "Essential Infrastructure," which includes, but is not limited to, water, wastewater, and recycled water service. Since the first SIP order was issued on March 16, 2020, Alameda County has continued to update its SIP order to respond to changing conditions and align with the State's public health orders and guidance. The Alameda County SIP order requires employers to implement physical distancing and other safety measures to limit the spread of COVID-19 in the workplace. The latest SIP order has no specified termination date and continues to be updated periodically.

On March 16, 2020, the General Manager, as the District's Emergency Manager per the Emergency Response Plan policy (P300-16-2), declared a District State of Emergency to allow for essential operations to continue, and to ensure operational flexibility in meeting the challenges of COVID-19, while providing vital water and sewer services that are needed to protect public health and the environment. District emergency plans were aggressively implemented.

On March 25, 2020, the Board of Directors approved Resolution No. 26-20, which confirmed the continuation of the District State of Emergency, and directed the General Manager to report on progress at least at every regularly scheduled meeting until the State of Emergency is terminated.

On May 4, 2020, Governor Newsom issued Executive Order N-60-20, allowing for the gradual relaxation of COVID-19 restrictions and reopening of industry sectors under a four-stage roadmap. However, due to a surge in positive COVID-19 cases during the summer, the State began putting counties on a watch list and requiring them to scale back reopenings.

Originating Department: Office of the General Manager	**Contact: J. Lee**	**Legal Review: Not Required**
Financial Review: Not Required	**Cost and Funding Source: $0**	
Attachments: ☒ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☐ Other (see list on right)		

On August 28, 2020, the State announced a new color-coded, four-tier "Blueprint for a Safer Economy" to replace the earlier roadmap and county watch list. The new framework outlines a more gradual process for reopening the economy than the first attempt. The State assesses each county and assigns them a tier based on the rate of positive cases, percentage of positive tests, and health equity metric which requires the test positivity rate in the most disadvantaged neighborhoods to fall within the same range as the county's overall test positivity rate. These metrics are used to determine how quickly a county can move through the tiers or whether a county needs to take a step back if COVID-19 cases surge again.

On December 3, 2020, due to a rapid increase in COVID-19 cases and hospitalization rates, Governor Newsom announced a new Regional Stay-at-Home order that will go into effect when a region's intensive care unit (ICU) bed availability falls below 15%. The Bay Area region encompasses 11 counties, including Alameda and Contra Costa Counties. The Regional Stay-at-Home order is similar to the earliest Bay Area SIP orders that were issued in spring and requires most non-essential businesses and activities to cease or operate with restrictions. Critical infrastructure sectors, such as DSRSD, are allowed to continue operations.

DISCUSSION:

The Bay Area is continuing to see a surge in COVID-19 cases and hospitalization rates. Both Alameda and Contra Costa Counties remain in the Purple Tier, which is the most restrictive tier under the State's Blueprint for Reopening the Economy. There are now 52 out of 58 counties in the state that are in the Purple Tier. Counties in the Purple Tier are also subject to a curfew between the hours of 10 p.m. and 5.a.m. that limits all non-essential work, movement, and gatherings. As essential workers, DSRSD employees and contractors can continue to work scheduled swing/graveyard shifts and conduct emergency operations during the curfew hours.

On December 4, 2020, Alameda County, along with five other Bay Area counties, preemptively announced implementation of the State's New Regional Stay-at-Home order to slow the spread of the virus. The new order took effect on December 6 in Contra Costa County and December 7 in Alameda County.

The District's COVID-19 task force and Safety Team are reviewing the latest state and county public health orders and new California Occupational Safety and Health Administration (Cal/OSHA) COVID-19 regulations that went into effect on November 30, 2020, to address the recent spike in COVID-19 cases and prevent outbreaks in the workplace. At this point, the recent tightening of state and local public health orders and new Cal/OSHA regulations have not significantly altered the District's COVID response protocols and procedures. This is largely due to the conservative approach taken by Alameda County and the District towards easing COVID-19 restrictions. Since the beginning of the pandemic, half of the District's staff are fully or partially working from home and the remaining staff are reporting to District facilities, with staggered schedules and other measures implemented to comply with social distancing requirements. The District has made only minor changes to the District's COVID-19 staffing plans to minimize disruptions in workflow.

The COVID-19 emergency continues in the District's service area. To assure proper staffing and support of critical operational functions, staff is requesting the Board find that there still exists a need to continue the State of Emergency reflected by Resolution No. 26-20.

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Receive Presentation on the Enterprise Resource Planning (ERP) System Conversion Project (CIP 20-A002)

RECOMMENDATION:

Staff recommends the Board of Directors receive a presentation on the Enterprise Resource Planning (ERP) System Conversion Project (CIP 20-A002).

DISCUSSION:

At the October 20, 2020 Board of Directors meeting, the Board requested a briefing on the project to replace the District's Enterprise Resource Planning (ERP) system. An ERP system manages and integrates an agency's financial, human resource, utility billing, payroll, procurement, budget, and reporting activities. The District's current ERP system, Eden, was acquired by Tyler Technologies in 2003, and was implemented by the District in 2004. Due to the age of this system, the vendor has made minimal ongoing investments into research and development of Eden compared to other ERP products in its portfolio. The lack of modern functionality in Eden and support personnel dedicated to troubleshooting problems has resulted in a significant number of workarounds and custom tools, which needs to be regularly maintained internally. Continued use of an aging system will require an increasing drain on productivity. An ERP system conversion was identified in the 2017 Information Technology Services Master Plan, and the conversion project (CIP 20-A002) was adopted in the District's Capital Improvement Program Ten-Year Plan for Fiscal Years 2020 through 2029. In addition, replacement of the District's finance and utility billing software system by 2022 is referenced in the District's Strategic Plan (Goal #2). At the October 6, 2020 Board of Directors meeting, the Board approved and authorized the General Manager to execute a license and services agreement with Tyler Technologies for the Munis ERP system.

The presentation from the Financial Services Division will provide an update on the project including current project plans, anticipated benefits, and implementation timelines.

Originating Department: Administrative Services	**Contact: H. Chen**	**Legal Review: Not Required**
Financial Review: Yes	**Cost: $746,266** **Funding Source: Local Wastewater Replacement (Fund 210) – 12%** **Regional Wastewater Replacement (Fund 310) – 50%** **Water Replacement (Fund 610) - 38%**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – Presentation Slides**	

ENTERPRISE RESOURCE PLANNING (ERP) SYSTEM CONVERSION PROJECT (CIP 20-A002)

HERMAN CHEN
FINANCIAL SERVICES SUPERVISOR
BOARD OF DIRECTORS – DECEMBER 15, 2020

Dublin San Ramon Services District
Water, wastewater, recycled water

TYLER TECHNOLOGIES EDEN

- Acquired by Tyler Technologies in 2003
- Implemented by DSRSD in 2004
- Minimal ongoing investment in research and development
- Lacks modern functionality and integration
- Staff time to continually develop and maintain workarounds and custom tools

ERP SYSTEM CONVERSION PROJECT (CIP 20-A002)

- Identified in 2017 Information Technology Services Master Plan
- CIP 20-A002 approved in Capital Improvement Program Ten-Year Plan for Fiscal Years Ending (FYE) 2020-2029
  - Total Project Budget: $1.51 million
- District Strategic Plan FYE2019-2024 (Seventh Edition)
  - Goal #2: Make additional investment in information systems that provide a strong return on investment
  - Replace our finance and utility billing software system by 2022

TYLER TECHNOLOGIES MUNIS

- Robust Utility Billing functionality
- Integration between modules minimizes 3rd party interface
  - Employee Dashboard
  - Citizen Self Service
- Flexible reporting tools minimizes staff developed custom tools
- Current local clients
- Evergreen Philosophy
  - License and Services Agreement: $746,266

IMPLEMENTATION PLAN

- Tyler Implementation Stages
  - 1.1.0 – Initiate & Plan
  - 1.2.0 – Assess & Define
  - 1.3.0 – Build & Validate
  - 1.4.0 – Final Testing & Training
  - 1.5.0 – Production Cutover
  - 1.6.0 – Phase/Project Closure
- Staggered implementation by module

IMPLEMENTATION PLAN HOURS

- Tyler Project Implementation Hours: 2,006 hours
  - Financials: 504 hours
  - Human Capital Management: 256 hours
  - Revenue: 432 hours
  - Productivity: 216 hours
  - Additional: 598 hours
- Project Management and Post Implementation Support: 520 hours

IMPLEMENTATION STATUS

- 1.1.0 – Initiate & Plan
  - October 19, 2020 – Project Start Up
  - November 3, 2020 – Project Kickoff
- 1.2.0 – Assess & Define
  - December (9 meetings) – Finance
  - January – Energov (Planning & Permitting)
  - February – Utility Billing/Human Resources/Payroll
- 1.3.0 – Build & Validate
  - January - Finance

Questions?

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Discuss Options for Filling a Board of Directors Vacancy and Provide Direction

RECOMMENDATION:

Staff recommends the Board of Directors accept, by Motion, the declaration of a Board of Directors vacancy for Division 5 created by the lack of a candidate during the November 2020 election, and direct staff to take steps to fill the vacancy using Option #2 to proceed with an application and interview process with qualified citizens of the District, and make an appointment based on the results of a formal process.

SUMMARY:

The District did not hold an election on November 3, 2020 for the three seats on the Board of Directors because only one candidate filed for Division 1, one for Division 3, and none for Division 5. The Board is hereby officially notified of the Division 5 vacancy effective December 15, 2020. The Board has a number of options for addressing the vacancy, but it must decide upon the method for filing the position within 60 days, by February 12, 2021, because the 60th day falls on Saturday, February 13. **Whether appointed or elected, a person would serve until December 2022, following certification of the election results of the next general District election in November 2022.**

BACKGROUND:

Pursuant to Elections Code 10515, if only one person has filed for an elective office, the supervising authority (Alameda County Board of Supervisors) shall appoint that person to the office. When no person has filed for an elective office, "the supervising authority shall appoint any person to the office who is qualified on the date when the election would have been held." Upon consulting with the Alameda County Registrar of Voters, staff learned that, in practice, the county would consider the Division 5 seat vacant after the election results are certified. An application and interview process was followed in 2015 to fill the vacancy created by Director Dawn Benson's resignation. The most recent Board vacancy was created with the passing of Director Madelyne A. (Maddi) Misheloff on April 11, 2020. After discussing the options, the same ones as those set forth in the Discussion section below, the Board decided to fill the vacancy by appointing former Director Dwight L. (Pat) Howard to fill the position until a new Director is elected and seated in December 2020. In this case, an application and interview process (Option #2) would allow the Board to make the appointment evaluating each applicant's background and qualifications.

DISCUSSION:

With this report, effective December 15, 2020, the General Manager is officially notifying the Board of Directors that a vacancy exists for the Division 5 seat on the Board of Directors. Pursuant to Government Code Section 1780 (Attachment 1), the following notifications and actions must happen: (1) the County Elections Officials must be notified within 15 days of the vacancy occurring; (2) the Board of Directors must decide upon the method of filling the Division 5 position and take action no later than 60 days after the position becomes vacant; and, (3) notice that the Board may make an appointment or call for an election must be made at least 15 days prior to the meeting at which the election is called for or an appointment made. In this case, the Board must take action no later than February 12, 2021. If the Board wishes to appoint an individual to fill the vacancy, the position will be filled by resolution by February 12.

Under state law, there are a number of options for addressing the vacancy as outlined in the subsequent pages.

Originating Department: Administrative Services	**Contact: N. Genzale**	**Legal Review: Yes**
Financial Review: Not Required	**Cost and Funding Source: Less than $1,000 for Option #2 appointment from Legislative Account 900.10.10.000.3.340**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – Government Code Section 1780** **Attachment 2 – Suggested Application Form**	

Option #1 – Call an election to fill the vacancy:

The Board could call for an election to determine a new Division 5 Director. The appropriate election date, as set by Government Code Section 1780, is the next established election date, which is November 2, 2021. Calling for the vacancy to be filled by election would therefore result in the vacancy extending until a new Director is elected at a special District election in November 2021 and seated in December 2021 following certification of the election results. The person elected would serve until December 2022.

The Board could request the Alameda County Registrar of Voters to run a traditional election or a vote by email election for the District. Staff would not recommend calling an election due to an estimated cost of $301,359–$333,081 at $19–$21 per voter for a traditional election or $142,749–$174,471 at $9–$11 per voter for a vote by mail election, based on 15,861 registered voters in Division 5 as of November 30, plus any additional cost to advertise the election.

Option #2 – Proceed with an application and interview process with qualified citizens of the District, and make an appointment based on the results of a formal process:

The Board could direct staff to take steps to implement an application and interview process. This process was last used by the District in 2015, when Director Benson's resignation created a vacancy that was filled by Director Misheloff. The person appointed would serve until a new Director is elected at the next general District election in November 2022 and seated in December 2022.

It should be noted that division boundaries will change for the 2022 election based on the results of the 2020 census. The 2020 census is expected to show significant population growth in Dougherty Valley and East Dublin. The Board will decide in 2021 how the division lines will be redrawn based on the published results of the 2020 decennial census.

If the Board wishes to proceed with this option, staff suggests the following process in order to meet all legally required deadlines, while providing adequate time for notifying the public and considering applicants:

- December 16 – Staff begins notifying the public of the application and interview process. Staff would begin with a press release, information on the District's web page, and use of social media. One or more newspaper advertisements could run the week of December 21. Legal notices and posting of the determination to fill the vacancy by appointment would be made consistent with legal requirements following this meeting.
- January 8 – The application period closes after an open application period of 23 days.
- January 12 – District Secretary preliminarily screens applications to confirm minimum eligibility criteria as set forth in the application.
- January 18 – District Secretary posts a notice of vacancy in three conspicuous places in the District.
- January 19 – Board reviews qualified applications included in the agenda packet and determines which applicants to invite for interview at the February 2 Board meeting.
- February 2 – Board interviews invited applicants, makes a selection, and adopts a resolution appointing a candidate to fill the Division 5 position until the person elected at the next general District election in November 2022 has been qualified in December 2022. A vote of at least three (3) of the existing four (4) Boardmembers would be necessary to make the appointment. The administration of the oath of office for the selected candidate could be made immediately, and the new Director would take office immediately and be seated at this meeting. The County Elections Officials must be notified within 15 days of the appointment.

Under this timeline, the Board would make a final decision at the February 2 regular Board meeting. If the February 12 deadline is missed, the decision for filling the vacancy would fall to the Alameda County Board of Supervisors under operation of state law.

Depending on when county health officer and statewide "shelter-in-place" orders are modified or lifted, the interviews would likely be held via teleconference.

If the Board wishes to proceed with this option, staff recommends that the Board direct staff to utilize the suggested application (Attachment 2) for soliciting applicants.

Although no candidates expressed an interest in running for the Division 5 seat for the November 3, 2020 election, **there have been at least six (6) Division 5 residents who have expressed an interest in the vacant seat** in the last month.

Staff has had phone conversations with five of the interested parties and has advised them that the filling of the Division 5 seat will be considered by the Board at this Board meeting.

Option #3 – Proceed with the direct appointment of any qualified citizen in the District:

The Board could discuss possible individuals to be appointed to fill the vacancy, as was used earlier this year when Director Misheloff's passing created a vacancy that was filled by Director Howard, and direct staff to publicly notice the intended appointment for the January 19 or February 2 Board meeting. A majority of the Board could make a tentative decision of the individual nominee for the vacant Board position at this December 15 Board meeting, or could defer making the selection to the January 19 or February 2 meeting. Staff would post and publicize the notice of vacancy no later than January 4 for the January 19 meeting or no later than January 18 for the February 2 meeting. A vote of at least three (3) of the existing four (4) Boardmembers would be necessary to make the appointment. The administration of the oath of office for the selected candidate could be made immediately. The new Director would take office immediately and be seated near the beginning of the meeting at which the new Director is appointed. The person appointed would serve until a new Director is elected at the next general District election in November 2022 and seated in December 2022. The County Elections Officials must be notified within 15 days of the appointment.

Option #4 – Take no action by the February 12 deadline:

Under operation of state law, the Alameda County Board of Supervisors has the authority after February 12, 2021, to appoint an individual to the vacant seat or order the District to call an election. If the Board of Supervisors does not appoint an individual or order the District to call an election within 30 days (by March 15), the District is required by law to call an election to fill the vacancy on the next established election date, which is November 2, 2021. As with Option #1, an election would result in the vacancy extending until a new Director is elected at a special District election in November 2021 and seated in December 2021 following certification of the election results. The person elected would serve until December 2022.

GOVERNMENT CODE - GOV

TITLE 1. GENERAL [100 - 7914] *(Title 1 enacted by Stats. 1943, Ch. 134.)*

DIVISION 4. PUBLIC OFFICERS AND EMPLOYEES [1000 - 3599] *(Division 4 enacted by Stats. 1943, Ch. 134.)*

CHAPTER 4. Resignations and Vacancies [1750 - 1782] *(Chapter 4 enacted by Stats. 1943, Ch. 134.)*

ARTICLE 2. Vacancies [1770 - 1782] *(Article 2 added by Stats. 1943, Ch. 134.)*

1780. (a) Notwithstanding any other provision of law, a vacancy in any elective office on the governing board of a special district, other than those specified in Section 1781, shall be filled pursuant to this section.

(b) The district shall notify the county elections official of the vacancy no later than 15 days after either the date on which the district board is notified of the vacancy or the effective date of the vacancy, whichever is later.

(c) The remaining members of the district board may fill the vacancy either by appointment pursuant to subdivision (d) or by calling an election pursuant to subdivision (e).

(d) (1) The remaining members of the district board shall make the appointment pursuant to this subdivision within 60 days after either the date on which the district board is notified of the vacancy or the effective date of the vacancy, whichever is later. The district shall post a notice of the vacancy in three or more conspicuous places in the district at least 15 days before the district board makes the appointment. The district shall notify the county elections official of the appointment no later than 15 days after the appointment.

(2) If the vacancy occurs in the first half of a term of office and at least 130 days prior to the next general district election, the person appointed to fill the vacancy shall hold office until the next general district election that is scheduled 130 or more days after the date the district board is notified of the vacancy, and thereafter until the person who is elected at that election to fill the vacancy has been qualified. The person elected to fill the vacancy shall hold office for the unexpired balance of the term of office.

(3) If the vacancy occurs in the first half of a term of office, but less than 130 days prior to the next general district election, or if the vacancy occurs in the second half of a term of office, the person appointed to fill the vacancy shall fill the balance of the unexpired term of office.

(e) (1) In lieu of making an appointment the remaining members of the board may within 60 days of the date the district board is notified of the vacancy or the effective date of the vacancy, whichever is later, call an election to fill the vacancy.

(2) The election called pursuant to this subdivision shall be held on the next established election date provided in Chapter 1 (commencing with Section 1000) of Division 1 of the Elections Code that is 130 or more days after the date the district board calls the election.

(f) (1) If the vacancy is not filled by the district board by appointment, or if the district board has not called for an election within 60 days of the date the district board is notified of the vacancy or the effective date of the vacancy, whichever is later, then the city council of the city in which the district is wholly located, or if the district is not wholly located within a city, the board of supervisors of the county representing the larger portion of the district area in which the election to fill the vacancy will be held, may appoint a person to fill the vacancy within 90 days of the date the district board is notified of the vacancy or the effective date of the vacancy, whichever is later, or the city council or board of supervisors may order the district to call an election to fill the vacancy.

(2) The election called pursuant to this subdivision shall be held on the next established election date provided in Chapter 1 (commencing with Section 1000) of Division 1 of the Elections Code that is 130 or more days after the date the city council or board of supervisors calls the election.

(g) (1) If within 90 days of the date the district board is notified of the vacancy or the effective date of the vacancy, whichever is later, the remaining members of the district board or the appropriate board of supervisors or city

council have not filled the vacancy and no election has been called for, then the district board shall call an election to fill the vacancy.

(2) The election called pursuant to this subdivision shall be held on the next established election date provided in Chapter 1 (commencing with Section 1000) of Division 1 of the Elections Code that is 130 or more days after the date the district board calls the election.

(h) (1) Notwithstanding any other provision of this section, if the number of remaining members of the district board falls below a quorum, then at the request of the district secretary or a remaining member of the district board, the appropriate board of supervisors or the city council shall promptly appoint a person to fill the vacancy, or may call an election to fill the vacancy.

(2) The board of supervisors or the city council shall only fill enough vacancies by appointment or by election to provide the district board with a quorum.

(3) If the vacancy occurs in the first half of a term of office and at least 130 days prior to the next general district election, the person appointed to fill the vacancy shall hold the office until the next general district election that is scheduled 130 or more days after the date the district board is notified of the vacancy, and thereafter until the person who is elected at that election to fill the vacancy has been qualified. The person elected to fill the vacancy shall hold office for the unexpired balance of the term of office.

(4) If the vacancy occurs in the first half of a term of office, but less than 130 days prior to the next general district election, or if the vacancy occurs in the second half of a term of office, the person appointed to fill the vacancy shall fill the balance of the unexpired term of office.

(5) The election called pursuant to this subdivision shall be held on the next established election date provided in Chapter 1 (commencing with Section 1000) of Division 1 of the Elections Code that is held 130 or more days after the date the city council or board of supervisors calls the election.

(Amended by Stats. 2007, Ch. 343, Sec. 4. Effective January 1, 2008.)

SUGGESTED APPLICATION FORM

DUBLIN SAN RAMON SERVICES DISTRICT

BOARD OF DIRECTORS APPLICATION FORM

Applications and all supporting material must be submitted to Nicole Genzale, District Secretary, not later than 5 p.m. on Friday, January 8, 2021.

Applications may be submitted per the following methods:

- ***Emailed to genzale@dsrsd.com***
- ***Mailed or delivered to the District's administrative office at 7051 Dublin Blvd., Dublin, CA 94568 Attention: Nicole Genzale, District Secretary.***

Interviews of selected applicants will be conducted by the Board of Directors on Tuesday, February 2 starting at 6 p.m. in the District Boardroom at 7051 Dublin Blvd., Dublin, CA if shelter-in-place orders are ended or sufficiently relaxed to allow it. Otherwise, the interviews will be conducted via teleconference. Check the District website starting December 16 for further information and updates on the location and participating information for the interviews and appointment.

Note that the interviews will be open to the public including other selected applicants. You will be notified of your interview time. The order of the interviews will be determined by lot by the District Secretary.

APPLICATION MATERIAL SHALL BE LIMITED TO:

1. This fully completed form **(Mandatory)**; and
2. A resume – Maximum of 1,000 words (Optional)

MINIMUM QUALIFICATIONS FOR ELIGIBILTY TO PARTICIPATE IN INTERVIEW:

1. Must be a registered voter in Alameda County (NOTE: Not a State of California requirement, but a recommended DSRSD standard)
2. Must legally reside within the boundaries of Division 5 of the Dublin San Ramon Services District To view the division map, go to: https://www.dsrsd.com/about-us/area-based-elections.

Please provide the following Personal Information.

Name: _____

Home Address: _____

Telephone #: _____

Email Address: _____

Please answer the following Background and Qualifications questions and attach your response to this application.

Question #1: Are you willing to attend at least two Board of Directors meetings each month for the length of your term? Meetings generally occur two weekday evenings a month.

Question #2: Why do you want to be on the Board of Directors? Maximum of 200 words

Question #3: Describe the unique experience and/or qualifications that you believe makes you the best candidate for an appointment to the Board of Directors. Maximum of 200 words

Acknowledgement & Certification

1. I understand that all material provided by me in connection with this application is a public document and will be furnished by the District to any person including other applicants upon request and without my approval or notification.
2. I certify that I am a registered voter and a legal resident of Division 5 of the Dublin San Ramon Services District and that I am not disqualified by the Constitution or laws of the State of California from holding a civil office and further that I am qualified to and am prepared to assume and hold the office as a member of the Board of Directors of the Dublin San Ramon Services District without reservation or condition.
3. I certify under penalty of perjury that all information provided in connection with my application for the Board of Directors of the Dublin San Ramon Services District is true.

Signature: _____

Print Name: _____

Date Signed: _____

Dublin San Ramon Services District
Water, wastewater, recycled water

STAFF REPORT

Meeting Date: December 15, 2020

TITLE: Discuss and Provide Direction on Board Committees and Joint Powers Authority Assignments for Calendar Year 2021

RECOMMENDATION:

Staff requests the Board President lead the discussion and the Board of Directors discuss and approve, by Motion, Option #1 or Option #2, or direct staff to proceed with Option #3 regarding the 2021 Committee structure, assignments and Mission Statements, and Joint Powers Authority (JPA) member assignments.

SUMMARY:

Each year, the Board selects a new Board President, and the newly selected President presents a recommendation for Boardmember assignments to the various Board Committees and JPAs. This item provides an opportunity for the new President to recommend 2021 Committee/JPA Assignments.

DISCUSSION:

The 2020 Committee/JPA Assignments and Mission Statements, including meeting schedules, are provided in Attachment 1 and list the following current bodies:

- Five Liaison Committees:
  - Tri-Valley Water Liaison
  - Zone 7 Water Agency Liaison
  - City of Dublin Liaison
  - City of Pleasanton Liaison
  - City of San Ramon/Central Contra Costa Sanitary District (Central San)
- DSRSD-EBMUD Recycled Water Authority (DERWA)
- Livermore-Amador Valley Water Management Agency (LAVWMA)

The Liaison Committees meet on dates coordinated with the other agencies. The JPAs meet per the pre-designated schedule by the JPAs.

There were only two Liaison Committee meetings in 2020. However, staff anticipates a heavier workload for the Tri-Valley Water and the City of Pleasanton Liaison Committees and the two JPAs for 2021.

The Board is not limited to the existing Liaison Committees and can restore former Committees or create new ones specific to a major topic of importance in accordance with the Guidelines for Conducting District Business policy. Chapter 3 of the guidelines (Attachment 2) provides the process for establishing committees and the criteria for committee assignment.

There are a few options for consideration as outlined on the next page.

Originating Department: Office of the General Manager	**Contact: D. McIntyre**	**Legal Review: Not Required**
Financial Review: Not Required	**Cost and Funding Source: $195 per Boardmember per day of service from Administrative Overhead (Fund 900)**	
Attachments: ☐ None ☐ Resolution ☐ Ordinance ☐ Task Order ☐ Proclamation ☒ Other (see list on right)	**Attachment 1 – 2020 Committee/JPA Assignments and Mission Statements** **Attachment 2 – Chapter 3 of Guidelines for Conducting District Business policy (P100-14-3)** **Attachment 3 – Draft FPPC Form 806**	

Option #1 – Start a discussion on the Committee structure and assignments for 2021 and direct staff to bring the matter back for action:

This option follows the traditional two-step process for establishing committees as provided in the Guidelines for Conducting District Business policy. The Board discusses the Committee structure and proposes changes. The Boardmembers identify which committees they might be interested in serving. Staff works with the President to present a Proposed 2021 Committee/JPA Assignments and Mission Statements for approval at the next Board meeting.

Option #2 – Approve maintaining the current Committee structure with adjustments to the assignments for 2021:

The existing committee structure remains in place, and Board members continue to hold their current positions on tose committee assignments. The Board assigns new primary and alternate members to fill the vacant positions in the five Liaison Committees and two JPAs due to the departure of two Boardmembers, Edward R. Duarte and Dwight L. (Pat) Howard, earlier this month. Staff will create the 2021 Committee/JPA Assignments and Mission Statements document based on Board action and deem the document final.

Option #3 – Approve an alternate Committee structure and assignments for 2021:

The Board reshapes the Committee structure and assigns primary and alternate members based on members on the current Board to the restructured Committees and the two JPAs. Staff will create the 2021 Committee/JPA Assignments and Mission Statements document based on Board action and deem the document final. Any extensive changes may call for presentation and final ratification at the next Board meeting.

In accordance with Regulation 18702.5 of the Fair Political Practices Commission (FPPC), the District must post on its website the FPPC Form 806 (Agency Report of Public Official Appointments) to report additional compensation that officials receive when appointing themselves to positions on committees, boards, or commissions of another public agency or to a committee or position of the agency of which the public official is a member. The form must be posted prior to a vote to appoint a Boardmember if the appointee will participate in the decision and the appointment results in additional compensation to the appointee. Attachment 3 is a draft Form 806 reflecting Option #2 with vacant positions noted as “TBD” (to be determined). Depending on the Board action at this meeting, staff will either finalize and post the form or present an updated draft with a follow-up Board item.

2020 COMMITTEE/JPA ASSIGNMENTS AND MISSION STATEMENTS
REVISED JUNE 2, 2020

LIAISON COMMITTEES

TRI-VALLEY WATER LIAISON COMMITTEE	
Members:	Vonheeder-Leopold, Halket
Alternates:	(First) Johnson, Duarte
Committee Mission:	The mission of the Tri-Valley Water Liaison Committee is to confer and coordinate multi-agency efforts and programs that focus on Tri-Valley water issues. The participating agencies are: DSRSD, Zone 7 Water Agency, California Water Services Company, and the cities of Dublin, Livermore, Pleasanton and San Ramon.
Type of Committee Meeting Schedule:	Liaison. Meetings are held quarterly when mutually agreed upon by the participating agencies.

CITY OF DUBLIN LIAISON COMMITTEE	
Members:	Vonheeder-Leopold, Halket
Alternates:	(First) Johnson, Duarte
Committee Mission:	The mission of the City of Dublin Liaison Committee is to confer and coordinate on programs that focus on the District's service to, relationship with, and communication with all of our customers in Dublin, including residents, businesses, schools (including Dublin Unified School District), and major institutional customers.
Type of Committee Meeting Schedule:	Liaison. Liaison to City of Dublin. Meetings are held when needed, on the afternoon of Board meeting dates when possible, or when mutually agreed upon by the participating agencies.

CITY OF PLEASANTON LIAISON COMMITTEE	
Members:	Halket, Johnson
Alternates:	(First) Vonheeder-Leopold, Duarte
Committee Mission:	The mission of the City of Pleasanton Liaison Committee is to confer and coordinate on programs that focus on the District's service to, relationship with, and communication with Pleasanton.
Type of Committee Meeting Schedule:	Liaison. Liaison to City of Pleasanton. Meetings are held when needed, on the afternoon of Board meeting dates when possible, or when mutually agreed upon by the participating agencies.

CITY OF SAN RAMON AND CENTRAL CONTRA COSTA SANITARY DISTRICT LIAISON COMMITTEE	
Members:	Duarte, Johnson
Alternates:	(First) Vonheeder-Leopold, Halket
Committee Mission:	The mission of the City of San Ramon and Central Contra Costa Sanitary District Liaison Committee is to confer and coordinate on programs that focus on the District's service to, relationship with, and communication with all of our customers in San Ramon, including residents, businesses, schools (including San Ramon Valley Unified School District), and major institutional customers.
Type of Committee Meeting Schedule:	Liaison. Liaison to City of San Ramon and Central Contra Costa Sanitary District. Meetings are held when needed, on the afternoon of Board meeting dates when possible, or when mutually agreed upon by the participating agencies.

ZONE 7 WATER AGENCY LIAISON COMMITTEE	
Members:	Duarte, Halket
Alternates:	(First) Vonheeder-Leopold, Johnson
Committee Mission:	The mission of the Zone 7 Water Agency (Zone 7) Liaison Committee is to confer and coordinate programs that focus on the District's service from, relationship with, and communication with Zone 7.
Type of Committee Meeting Schedule:	Liaison. Liaison to Zone 7 Water Agency. Meetings are held when needed, on the afternoon of Board meeting dates when possible, or when mutually agreed upon by the participating agencies.

JOINT POWERS AUTHORITIES

DERWA JPA	
Members:	Duarte, Vonheeder-Leopold
Alternates:	(First) Halket, Johnson
JPA Mission:	The DSRSD-EBMUD Recycled Water Authority (DERWA) is a Joint Powers Authority that was formed in 1995 between DSRSD and EBMUD. DERWA's mission is to provide a safe, reliable, and consistent supply of recycled water, and to maximize the amount of recycled water delivered. The San Ramon Valley Recycled Water Program (SRVRWP) was created in 1995 and currently provides recycled water to customers in Dublin and San Ramon. Future phases will extend recycled water delivery to portions of Blackhawk and Danville.
Type of Body Meeting Schedule:	Legislative. Board meetings are normally scheduled for the fourth Monday of odd calendar months.

LAVWMA JPA	
Members:	Johnson, Duarte
Alternates:	(First) Halket, Vonheeder-Leopold
JPA Mission:	The Livermore-Amador Valley Water Management Agency (LAVWMA) is a Joint Powers Agency created in 1974 by the cities of Livermore and Pleasanton and the Dublin San Ramon Services District for the purpose of discharging their treated wastewater to San Francisco Bay. Operations began in September 1979 with expansions in 1983, 1987 and 2003 bringing it to its current maximum discharge capacity of 41.2 mgd. The wastewater is conveyed via a 16-mile pipeline from Pleasanton to San Leandro and enters the East Bay Dischargers Authority (EBDA) system for dechlorination and discharge through a deepwater outfall to the San Francisco Bay.
Type of Body Meeting Schedule:	Legislative. Board meetings are held quarterly on the third Wednesday of February, May, August, and November.

CHAPTER 3 President and Vice President Roles and Duties

Generally, at the first board meeting in December, the board of directors selects directors for the offices of board president and vice president. District policy is that these positions rotate among members of the board. The board has adopted a separate policy regarding the annual election and rotation of board officers.

PRESIDENT AND VICE PRESIDENT ROLES AND DUTIES

Board President

The president has no additional powers beyond those of any other director. The following are the roles and responsibilities of the board president:

- Serve as presiding officer at board meetings that the president attends (if the president's attendance is via teleconference logistically it is better to allow the vice president to preside because that director is physically present at the board meeting).
- Maintain proper conduct of board meetings:
  - Run effective and efficient meetings, including but not limited to ensuring appropriate opportunities for public participation and managing the time.
  - Keep the board focused on the discussion at hand and true to its proper role and responsibility.
  - Avoid diversions from the agenda or disruptions in the conduct of district business.
  - Maintain proper and appropriate parliamentary procedure and agenda management (e.g. ensure that actions are taken with proper motions and seconds).
  - Acknowledge and diplomatically facilitate appropriate public participation in the activities of the board.
  - When necessary and appropriate, call a special board meeting.
- Vote, discuss, and make motions the same as other members of the board; however, the president will only rarely make motions and second motions.
- Allow other directors to complete their comments on an item before offering his/her own.
- Keep the meeting discussions focused on properly noticed agenda items and steadfastly move the board toward making decisions.
- Sign various board-approved documents on behalf of the board.

- Propose for board approval standing and ad-hoc committees considering the policy and business needs of the district (see guidelines below).
- Propose the membership of each committee, including two regular members and one alternate for each committee, subject to approval by the board.
- Act as official head of the district for ceremonial purposes.
- Serve as the primary interface for the board with the members of the media—though other directors may be contacted by the press and may also discuss matters with them (when contacted by the media, a director should inform the general manager).

Vice President

The vice president performs all duties of the president in the event of the president's absence.

GUIDELINES FOR ESTABLISHING COMMITTEES

Process

If the president so desires, the president will propose a set of standing board committees at the start of his/her term as well as propose which directors are to serve on each committee. The traditional process for doing so is as follows:

1. At the meeting at which the president is elected, the president asks the directors to let them know on which committees they might be interested in serving.
2. At the following meeting, generally using the criteria below, the board president proposes a set of standing committees and membership (including alternates) for each committee.
3. The board considers the president's proposal by Motion.
4. The committee term traditionally begins January 1.
5. Once established, staff will work with each committee to identify a schedule for standing committee meetings.
6. At the first meeting of each committee, that committee will develop a charter with the following elements:

- Meeting time and place.
- Committee Mission (staff will work with each committee to ensure there is no overlap in Missions between or among committees).
- Goals for the year.

7. In early February, the charters from each committee are presented for the board's consideration by motion.

Criteria for Committee Assignment

There are no rules for assigning directors to committees. In past years, board presidents have used the following criteria as they develop their recommended committee assignments:
Continuity

- Exposure to all areas of the district's business
- Area of director Interest
- Developing working relationships among board members

Agency Report of: Public Official Appointments

A Public Document

1. Agency Name

Dublin San Ramon Services District

Division, Department, or Region *(If Applicable)*

Designated Agency Contact *(Name, Title)*

Nicole Genzale, District Secretary

Area Code/Phone Number	E-mail
925-875-2203	genzale@dsrsd.com

California Form **806**

For Official Use Only

Date Posted: 12/16/20 *(Month, Day, Year)*

2. Appointments

Agency Boards and Commissions	Name of Appointed Person	Appt Date and Length of Term	Per Meeting/Annual Salary/Stipend
Tri-Valley Water Liaison Committee	Name: Halket, Richard *(Last, First)* Alternate, if any: Johnson, Ann Marie *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*
Tri-Valley Water Liaison Committee	Name: Vonheeder-Leopold, Georgean *(Last, First)* Alternate, if any: Johnson, Ann Marie *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*
City of Dublin Liaison Committee	Name: Halket, Richard *(Last, First)* Alternate, if any: Johnson, Ann Marie *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*
City of Dublin Liaison Committee	Name: Vonheeder-Leopold, Georgean *(Last, First)* Alternate, if any: Johnson, Ann Marie *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*

3. Verification

I have read and understand FPPC Regulation 18702.5. I have verified that the appointment and information identified above is true to the best of my information and belief.

Signature of Agency Head or Designee	Print Name	Title	(Month, Day, Year)
	Nicole Genzale	District Secretary / Executive Services Supervisor	12/16/20

Comment: _____

Agency Report of:
Public Official Appointments
Continuation Sheet

California Form 806
A Public Document

1. Agency Name
Dublin San Ramon Services District

Date Posted: 12/16/20 *(Month, Day, Year)*

2. Appointments

Agency Boards and Commissions	Name of Appointed Person	Appt Date and Length of Term	Per Meeting/Annual Salary/Stipend
City of Pleasanton Liaison Committee	Name: Halket, Richard *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*
City of Pleasanton Liaison Committee	Name: Johnson, Ann Marie *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* TBD	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*
City of San Ramon and Central Contra Costa Sanitary District Liaison Committee	Name: Johnson, Ann Marie *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* Halket, Richard	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*
City of San Ramon and Central Contra Costa Sanitary District Liaison Committee	Name: TBD *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* Halket, Richard	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*
Zone 7 Water Agency Liaison Committee	Name: Halket, Richard *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* Johnson, Ann Marie	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*
Zone 7 Water Agency Liaison Committee	Name: TBD *(Last, First)* Alternate, if any: Vonheeder-Leopold, Georgean *(Last, First)* Johnson, Ann Marie	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☒ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ *Other*

Agency Report of: Public Official Appointments Continuation Sheet

California Form 806
A Public Document

1. Agency Name
Dublin San Ramon Services District

Date Posted: 12/16/20 *(Month, Day, Year)*

2. Appointments

Agency Boards and Commissions	Name of Appointed Person	Appt Date and Length of Term	Per Meeting/Annual Salary/Stipend
DERWA (DSRSD-EBMUD Recycled Water Authority)	Name: Vonheeder-Leopold, Georgean *(Last, First)* Alternate, if any: Halket, Richard *(Last, First)* Johnson, Ann Marie	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☒ $1,001-$2,000 ☐ _____ *Other*
DERWA (DSRSD-EBMUD Recycled Water Authority)	Name: TBD *(Last, First)* Alternate, if any: Halket, Richard *(Last, First)* Johnson, Ann Marie	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☒ $1,001-$2,000 ☐ _____ *Other*
LAVWMA (Livermore-Amador Valley Water Management Agency)	Name: Johnson, Ann Marie *(Last, First)* Alternate, if any: Halket, Richard *(Last, First)* Vonheeder-Leopold, Georgean	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☒ $1,001-$2,000 ☐ _____ *Other*
LAVWMA (Livermore-Amador Valley Water Management Agency)	Name: TBD *(Last, First)* Alternate, if any: Halket, Richard *(Last, First)* Vonheeder-Leopold, Georgean	12 / 15 / 20 *Appt Date* 12 months *Length of Term*	*Per Meeting:* $ 195 *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☒ $1,001-$2,000 ☐ _____ *Other*
	Name: _____ *(Last, First)* Alternate, if any: _____ *(Last, First)*	___/___/___ *Appt Date* _____ *Length of Term*	*Per Meeting:* $ _____ *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*
	Name: _____ *(Last, First)* Alternate, if any: _____ *(Last, First)*	___/___/___ *Appt Date* _____ *Length of Term*	*Per Meeting:* $ _____ *Estimated Annual:* ☐ $0-$1,000 ☐ $2,001-$3,000 ☐ $1,001-$2,000 ☐ _____ *Other*