

Notice is hereby given that the Rainbow Municipal Water District Board of Directors will hold Closed Session at 12:00 p.m. and Open Session at 1:00 p.m. Tuesday, January 26, 2021, at the District Office located at 3707 Old Highway 395, Fallbrook, CA 92028. At any time during the session, the Board of Directors Meeting may adjourn to Closed Session to consider litigation or to discuss with legal counsel matters within the attorney client privilege.

AGENDA

1. **CALL TO ORDER**
2. **ROLL CALL: Gasca___ Hamilton___ Mack___ Moss___ Rindfleisch___**
3. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**
4. **INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE**

CHAIR TO READ ALOUD - "If at any point, anyone would like to ask a question or make a comment and have joined this meeting with their computer, they can click on the "Raise Hand" button located at the bottom of the screen. We will be alerted that they would like to speak. When called upon, please unmute the microphone and ask the question or make comments in no more than three minutes.

*Those who have joined by dialing a number on their telephone, will need to press *6 to unmute themselves and then *9 to alert us that they would like to speak.*

A slight pause will also be offered at the conclusion of each agenda item discussion to allow public members an opportunity to make comments or ask questions."

5. **ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING CLOSED SESSION AGENDA ITEMS (Government Code § 54954.2).**

Under Oral Communications, any person wishing to address the Board on matters regarding the Closed Session agenda should email or mailing their comments to the Board Secretary one hour before the Closed Session scheduled start time. All written public comments will be read to the Board prior to their adjournment to Closed Session. Any person wishing to speak to the Board regarding Closed Session agenda items may do so by calling (760) 728-1178, listening for "Thank you for calling Rainbow Municipal Water District", dialing Extension 429, and entering pin 8607 at the Closed Session scheduled start time. Once all public comment is heard, this call will be disconnected, and the Board will adjourn to Closed Session. To participate in the Open Session portion of the meeting, please follow the instructions provided at the top of Page 1 of this agenda. Speaking time shall generally be limited to three minutes unless a longer period is permitted by the Board President.

6. **CLOSED SESSION**

- A. Conference with Legal Counsel-Anticipated Litigation (Government Code §54956.9(d)(2))

* Two Items

- B. Conference with Labor Negotiators (Government Code §54957.6 and §54957)

Agency Designated Representatives

Tom Kennedy
Karleen Harp

(*) - Asterisk indicates a report is attached.

Discussions regarding labor negotiations for:

Rainbow Employees Association
Rainbow Association of Supervisor and Confidential Employees
Rainbow Exempt Employees Association

7. REPORT ON POTENTIAL ACTION FROM CLOSED SESSION

Time Certain: 1:00 p.m.

8. REPEAT CALL TO ORDER

9. PLEDGE OF ALLEGIANCE

10. REPEAT ROLL CALL

11. REPEAT REPORT ON POTENTIAL ACTION FROM CLOSED SESSION

12. REPEAT ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)

13. REPEAT INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE

CHAIR TO READ ALOUD - *"If at any point, anyone would like to ask a question or make a comment and have joined this meeting with their computer, they can click on the "Raise Hand" button located at the bottom of the screen. We will be alerted that they would like to speak. When called upon, please unmute the microphone and ask the question or make comments in no more than three minutes.*

*Those who have joined by dialing a number on their telephone, will need to press *6 to unmute themselves and then *9 to alert us that they would like to speak.*

A slight pause will also be offered at the conclusion of each agenda item discussion to allow public members an opportunity to make comments or ask questions."

14. PRESENTATION OF BOARD MEMBER ELECTION CERTIFICATES

15. ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING ITEMS NOT ON THIS AGENDA (Government Code § 54954.2).

Under Oral Communications, any person wishing to address the Board on matters not on this agenda should indicate their desire to speak or may email or mail their comments to the Board Secretary one hour before the Open Session scheduled start time. All written public comments received will be read to the Board during the appropriate portion of the meeting. No action will be taken on any oral communications item since such item does not appear on this Agenda, unless the Board of Directors makes a determination that an emergency exists or that the need to take action on the item arose subsequent to posting of the Agenda (Government Code §54954.2). Speaking time shall generally be limited to three minutes unless a longer period is permitted by the Board President.

(*) - Asterisk indicates a report is attached.

***16. APPROVAL OF MINUTES**

- A. December 8, 2020 - Regular Board Meeting

***17. BOARD OF DIRECTORS' COMMENTS/REPORTS**

Directors' comments are comments by Directors concerning District business, which may be of interest to the Board. This is placed on the agenda to enable individual Board members to convey information to the Board and to the public. There is to be no discussion or action taken by the Board of Directors unless the item is noticed as part of the meeting agenda.

- A. President's Report
- B. Representative Report (Appointed Representative)
 - 1. SDCWA
 - 2. CSDA
 - 3. LAFCO
 - 4. San Luis Rey Watershed Council
 - 5. Santa Margarita River Watershed Watermaster Steering Committee
 - 6. ACWA
- C. Meeting, Workshop, Committee, Seminar, Etc. Reports by Directors (AB1234)
 - 1. Board Seminar/Conference/Workshop Training Attendance Reports
- D. Directors Comments
- E. Legal Counsel Comments
 - 1. Attorney Report: COVID-19 Vaccination Updates for Employers 501668-0002

18. COMMITTEE REPORTS

- A. Budget and Finance Committee
- B. Communications and Customer Service Committee
- C. Engineering and Operations Committee

CONSENT CALENDAR

***19. APPROVAL OF RESOLUTION NO. 21-01 ESTABLISHING CHECK SIGNING AUTHORITY**

(The purpose of this resolution is to update the current established check signing responsibility to the current authorized signers of checks due to changes on the Board of Directors.)

***20. DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 21-05 — A RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT ESTABLISHING CLASSIFICATIONS AND MONTHLY PAY RANGES FOR DISTRICT EMPLOYEES AND THE GENERAL MANAGER EFFECTIVE JANUARY 26, 2021 THROUGH JUNE 30, 2021**

(The grade structure included in Resolution No. 21-05 adds new job titles into the salary grade structure.)

21. POSSIBLE ACTION TO CONSENT TO THE EXTENSION OF THE JOINT AGREEMENTS TO IMPROVE MAJOR SUBDIVISION FOR COUNTY OF SAN DIEGO TRACT NO. 5338-2 THROUGH 5338-6, HORSE CREEK RIDGE

(D.R. Horton Los Angeles Holding Company, Inc. has requested an extension of the Joint Agreements with the District and County of San Diego regarding the Horse Creek Ridge Development Construction. The extension of the agreements will accommodate the completion of the construction. The County may approve this extension with the consent of the District.)

(*) - Asterisk indicates a report is attached.

BOARD ACTION ITEMS

- *22. DISCUSSION AND POSSIBLE APPOINTMENT OF BOARD OFFICERS AND REPRESENTATIVES**
(Due to the November 8, 2020 election results with a change in the Board of Directors and Administrative Code Section 3.01.030, the Board will need to consider appointments of the Board Officers and Representatives as well as Board Member committee assignments.)
- *23. DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 21-03 OF THE BOARD OF DIRECTORS OF THE RAINBOW MUNICIPAL WATER DISTRICT APPOINTING A REPRESENTATIVE TO THE BOARD OF DIRECTORS OF THE SAN DIEGO COUNTY WATER AUTHORITY (SDCWA)**
(The term of office for Mr. Kennedy as RMWD's representative on the SDCWA Board will expire on February 2, 2021; thereby creating the need for the Board to appoint a SDCWA representative.)
- *24. CONSIDER ADOPTING RESOLUTION NO. 21-04 DESIGNATING ANOTHER DISTRICT'S REPRESENTATIVE AS PROXY VOTE TO THE SAN DIEGO COUNTY WATER AUTHORITY (SDCWA) IN THE ABSENCE OF THE RAINBOW MUNICIPAL WATER DISTRICT (RMWD) REPRESENTATIVE**
(As part of this meeting, the Board considered adopting Resolution No. 21-03 appointing a RMWD representative to the Board of Directors of the SDCWA. In the event an appointment was made, this item is to provide the Board with an opportunity to designate another District's representative as proxy vote to the SDCWA in the absence of the named RMWD representative.)
- *25. CONSIDER ACTION TO APPROVE A THREE-YEAR CONTRACT RENEWAL WITH SOFTCHOICE, INC. FOR THE LICENSING OF MICROSOFT OFFICE 365, OFFICE ADVANCED THREAT PROTECTION, AZURE SECURITY, SQL SERVER AND WINDOWS LICENSING**
(The District has a contract with Softchoice for our Microsoft Enterprise Agreement and Select Plus Licensing which provides the District with access to Office products such as Word, Excel, Power Point and Outlook for all District employees and also allows for employees to utilize Office products to store files and collaborate on the cloud such as OneDrive, SharePoint and Teams. Renewing the existing contract for another three years will give the District a seamless continuation of the use of these products.)
- *26. DISCUSSION AND POSSIBLE ACTION TO ADOPT RESOLUTION NO. 21-02 APPROVING AN INITIAL STUDY / MITIGATED NEGATIVE DECLARATION AND A MITIGATION MONITORING AND REPORTING PROGRAM UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT FOR LIFT STATION NO. 1 REPLACEMENT PROJECT**
(Request that the Board of Directors approve IS/MND for the Lift Station No. 1 Replacement project and adopt Resolution 21-02. The IS/MND presents an analysis and mitigation measures to address potential environmental impacts associated with the sewer improvement project, in compliance with the California Environmental Quality Act (CEQA).)
- *27. DISCUSSION AND POSSIBLE ACTION TO AWARD A PROFESSIONAL SERVICES AGREEMENT TO HOCH CONSULTING TO PROVIDE DESIGN SERVICES FOR THE HUTTON AND TURNER PUMP STATIONS**
(The District issued an RFP to provide design services for the Hutton and Turner Pump Stations Project. The evaluation of the proposals determined that Hoch Consulting ranked the highest and was deemed most qualified to perform design services for the District.)
- *28. DISCUSSION AND POSSIBLE ACTION TO APPROVE A VARIANCE FROM MAXIMUM CAPACITY AND 12 MONTH ROLLING AVERAGE REQUIREMENTS IN ORDER TO DOWNSIZE FROM A 1 1/2" TO A 3/4" METER**
(The property owner of APN 121-130-72-00 has requested a variance from Ordinance 19-04.)

(*) - Asterisk indicates a report is attached.

- *29. DISCUSSION AND POSSIBLE ACTION TO APPROVE A VARIANCE FROM ORDINANCE 19-04 TO ALLOW A LOT, LARGER THAN 0.5 ACRES, TO QUALIFY FOR CAPACITY CLASS “B” 3/4” METER AND APPROVE THE CAPACITY CLASS WATER USE AGREEMENT**
(The Terrace Downs HOA has requested a variance from Ordinance 19-04 to downsize 16 of their existing 1” meters on an 8.85 acre parcel to 16 3/4” inch meters.)
- 30. DISCUSSION AND POSSIBLE ACTION TO APPROVE WAIVING OF LATE FEES FOR FEBRUARY 2021 FOR CUSTOMERS SET UP ON AUTOPAY**
(The Board will consider approving staff not assessing a late charge to any customers enrolled in autopay for the transition month of February 2021.)
- 31. CONSIDER COMMITTEE MEMBER REAPPOINTMENTS**
(Per Administrative Code Section 2.06.010, committee members are to be reappointed by the Board every four years.)
- 32. DISCUSSION AND POSSIBLE ACTION TO APPOINT HELENE BRAZIER TO SERVE AS A MEMBER OF THE ENGINEERING AND OPERATIONS COMMITTEE**
(Due to November 8, 2020 general election results, Ms. Brazier no longer qualifies to serve as a Board representative on this committee. Per their December 2, 2020 meeting, the Engineering and Operations Committee recommend the Board appoint Ms. Brazier to serve on this committee as a member of the public.)
- *33. DISCUSSION AND POSSIBLE ACTION SUPPORTING A NOMINATION TO ACWA BOARD OF DIRECTORS REGION 10**
(The Region 10 Nominating Committee is looking for ACWA members who are interested in leading the direction of ACWA Region 10 for the remainder of the 2020-2021 term. The Board is seeking candidates from Region 10 to fill one board vacancy.)
- 34. BOARD MEMBER REQUESTS FOR AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS**

BOARD INFORMATION ITEMS

- 35. COMPREHENSIVE ANNUAL FINANCIAL REPORT (CAFR) PRESENTATION**
- 36. STRATEGIC PLAN REVIEW**
- *37. DISCUSSION REGARDING POSSIBLY AMENDING AND UPDATING ADMINISTRATIVE CODE SECTION 2.03.010 – REMUNERATION AND REIMBURSEMENT POLICY**
(This item is to provide an opportunity for the Board to consider possibly updating and amending Administrative Code Section 2.03.010 to specify which meetings are to be eligible for compensation with possible inclusion of ad hoc as well as standing committees.)
- *38. RECEIVE AND FILE INFORMATION AND FINANCIAL ITEMS**
 - A. General Manager Comments**
 - 1. Meetings, Conferences and Seminar Calendar
 - B. Communications**
 - 1. Staff Training Report
 - C. Operations Comments**
 - 1. Operations Report – November
 - 2. Operations Report - December
 - D. Engineering Comments**
 - 1. Engineering Report
 - 2. As-Needed Services Expenditures Summary
 - 3. RMWD Sewer Equivalent Dwelling Units (EDU’s) Status

(*) - Asterisk indicates a report is attached.

E. Human Resource & Safety Comments

1. Human Resources Report

F. Finance Comments

1. Board Information Report – December
2. Budget vs. Actual Fund 1, 2, and 3 - October
3. Fund Balance Projections - October
4. Treasury Report - October
5. Five Year Demand - October
6. Water Sales Summary - October
7. Check Register - October
8. Directors' Expenses - October
9. Credit Card Breakdown - October
10. Developer Projections - October
11. RMWD Properties – October
12. Board Information Report – January
13. Budget vs. Actual Fund 1, 2, and 3 – November
14. Fund Balance Projections – November
15. Treasury Report – November
16. Five Year Demand – November
17. Water Sales Summary – November
18. Check Register – November
19. Directors' Expenses – November
20. Credit Card Breakdown – November
21. Developer Projections – November
22. RMWD Properties – November

39. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT REGULAR BOARD MEETING

40. ADJOURNMENT - To Tuesday, February 23, 2021 at 1:00 p.m.

ATTEST TO POSTING:



FOR: Carl Rindfleisch
Secretary of the Board

1-18-21 @ 3:45 p.m.

Date and Time of Posting
Outside Display Cases

(*) - Asterisk indicates a report is attached.

**MINUTES OF THE REGULAR BOARD MEETING
OF THE BOARD OF DIRECTORS OF THE
RAINBOW MUNICIPAL WATER DISTRICT
DECEMBER 8, 2020**

1. SWEARING IN AND SEATING OF NEWLY ELECTED AND RE-ELECTED DIRECTORS

Mr. Kennedy reported newly elected Director Moss and re-elected Directors Hamilton and Mack have been sworn into office prior to start of this meeting.

2. CALL TO ORDER - The Regular Meeting of the Board of Directors of the Rainbow Municipal Water District on December 8, 2020 was called to order by Vice President Hamilton at 12:00 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Vice President presiding.

3. ROLL CALL

Present: Director Gasca (*via teleconference*), Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

Also Present: General Manager Kennedy, Executive Assistant Washburn, Human Resources Manager Harp, Information and Technology Specialist Espino.

Also Present Via Teleconference or Video Conference:

Legal Counsel Smith.

No members of the public were present via teleconference or video teleconference before Closed Session.

4. ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)

Vice President Hamilton read aloud Ms. Brazier's request to remove Item #27. He stated based on past practice with acknowledging those who have contributed to the District as did Ms. Brazier, he felt it was appropriate to keep Item #27 on the agenda. He solicited the Board for input. There was no action taken to remove this item from the agenda.

5. INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE

Vice President Hamilton read aloud the instructions for those attending via teleconference or video conference.

6. ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING CLOSED SESSION AGENDA ITEMS (Government Code § 54954.2).

There were no comments.

The meeting adjourned to Closed Session at 12:09 p.m.

(*) - Asterisk indicates a report is attached.

7. CLOSED SESSION

A. Conference with Legal Counsel-Anticipated Litigation (Government Code §54956.9(d)(2))

* One Item

B. Conference with Labor Negotiators (Government Code §54957.6 and §54957)

Agency Designated Representatives

Tom Kennedy
Karleen Harp

Discussions regarding labor negotiations for:

Rainbow Employees Association
Rainbow Association of Supervisor and Confidential Employees
Rainbow Exempt Employees Association

8. REPORT ON POTENTIAL ACTION FROM CLOSED SESSION

This item was addressed under Item #12.

The meeting reconvened at 1:30 p.m.

Time Certain: 1:00 p.m.

9. REPEAT CALL TO ORDER

CALL TO ORDER - The Regular Meeting of the Board of Directors of the Rainbow Municipal Water District on December 8, 2020 was called to order by Vice President Hamilton at 1:30 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Vice President Hamilton presiding.

10. PLEDGE OF ALLEGIANCE

11. REPEAT ROLL CALL

Present: Director Gasca (*arrived at 1:37 p.m. via video conference*), Director Hamilton, Director Mack, Director Rindfleisch (*via teleconference*), Director Moss.

Also Present: General Manager Kennedy, Executive Assistant Washburn, Finance Manager Largent, Information and Technology Specialist Espino.

Also Present Via Teleconference or Video Conference:

Legal Counsel Smith, Acting District Engineer Williams, Operations Manager Gutierrez, Human Resources Manager Harp, Construction and Maintenance Supervisor Lagunas, Meter Services Supervisor Wilson, Customer Service and Communications Supervisor Gray, Associate

(*) - Asterisk indicates a report is attached.

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Engineer Powers, Engineering Technician Rubio, Project Manager Tamimi, Customer Service Representative Stalker, Information and Technology Manager Khattab.

Four members of the public were present for Open Session via teleconference or video teleconference.

12. REPEAT REPORT ON POTENTIAL ACTION FROM CLOSED SESSION

Legal Counsel reported the Board met in Closed Session to discuss two items and there was not reportable action.

13. REPEAT ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)

Vice President Hamilton reported there was a request to have Item #27 removed from the agenda; however, there was no action taken to have it removed.

14. REPEAT INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE

Vice President Hamilton read aloud the instructions for those attending the meeting via teleconference or video conference.

15. ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING ITEMS NOT ON THIS AGENDA (Government Code § 54954.2).

There were no comments.

16. EMPLOYEE RECOGNITIONS

A. Cynthia Gray (5 Years)

Mr. Kennedy stated he hired Cynthia Gray from his previous employer as RMWD's Administrative Analyst who has since promoted to the Customer Service and Communications Supervisor. He thanked Ms. Gray for her service and congratulated her on her tenure with the District.

B. Jesus Hernandez (15 Years)

Mr. Kennedy acknowledged Jesus Hernandez as a flexible employee who performs a variety of jobs at the District and now was a part of the Meter Services Department. He thanked Mr. Hernandez for his service and congratulated him on his tenure with the District.

Director Gasca joined the meeting at 1:37 p.m.

C. Delia Rubio (15 Years)

Mr. Kennedy acknowledged Delia Rubio as the anchor for the Engineering Department who performs a great service for the District. He thanked Mrs. Rubio on her service and congratulated her on her tenure with the District.

(*) - Asterisk indicates a report is attached.

***17. APPROVAL OF MINUTES**

A. October 27, 2020 - Regular Board Meeting

Motion:

To approve the minutes as written.

Action: Approve, Moved by Director Mack, Seconded by Director Gasca.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

***18. BOARD OF DIRECTORS' COMMENTS/REPORTS**

Directors' comments are comments by Directors concerning District business, which may be of interest to the Board. This is placed on the agenda to enable individual Board members to convey information to the Board and to the public. There is to be no discussion or action taken by the Board of Directors unless the item is noticed as part of the meeting agenda.

A. President's Report (Vice President Hayden)

There was no report given.

B. Representative Report (Appointed Representative)

1. SDCWA

A. Summary of Board Meeting October 22, 2020

Mr. Kennedy reported at the November SDCWA meeting, the matter of whether to move forward with the next phase in the Regional Water Conveyance System study was discussed. He listed those agencies and entities in opposition to continuing with this study and how a joint letter was sent to SDCWA indicating such and the reasons for the opposition. He explained how the vote on this matter was taken and that it passed with 55.5% in favor.

Mr. Kennedy mentioned a special meeting was called to vote for a new Board Chair, Vice Chair, and Secretary. He noted the concerns some of the agencies have regarding this process.

2. CSDA

Mr. Kennedy announced at the November 19, 2020 SDCSDA Quarterly meeting, a new chapter president, vice president, and secretary were elected. He mentioned some of the information provided by the guest speaker.

3. LAFCO

Mr. Kennedy reported he spoke on a topic regarding resource conservation districts at the recent LAFCO meeting. He pointed out many participants have been made clear to LAFCO that the Upper San Luis Rey Resource Conservation District was inappropriately trying to exercise powers it does not possess. He mentioned the importance for RMWD to have legal certainty in regards to water rights.

(*) - Asterisk indicates a report is attached.

Discussion returned from Item #18BC.

Mr. Kennedy referenced the handout from LAFCO noting since there were only eight candidates for the Advisory Committee, elections were not held and the eight listed were automatically appointed.

Discussion went to Item #18D.**4. San Luis Rey Watershed Council**

Director Gasca said he has emailed the Council again but has not received a response.

5. Santa Margarita River Watershed Watermaster Steering Committee

Vice President Hamilton reported the next meeting will be held in January.

6. ACWA

Director Mack reported on the recent ACWA virtual conference he attended sharing some of the highlighted topics. He mentioned an award program ACWA has in place and suggested RMWD apply in hopes of having staff recognized.

Director Gasca said he, too, attended the ACWA virtual conference. He shared information he found interesting relative to protecting the watershed as well as spinning up a capability to go to Congress and request support for districts impacted by COVID-19.

Directors Mack and Gasca agreed attending the conference virtually was beneficial in terms of receiving a more focus message on the topics without interruption; however, missing the opportunity to have interaction with key individuals regarding areas of mutual concern as well as not being able to network were drawbacks.

C. Meeting, Workshop, Committee, Seminar, Etc. Reports by Directors (AB1234)**1. Board Seminar/Conference/Workshop Training Attendance Reports**

There were no reports given.

Discussion returned to Item #18B3.**D. Directors Comments**

Director Rindfleisch thanked the Board and the District for their support and being so thoughtful as his family deals with the recent passing of his wife.

Director Mack inquired as to whether the Directors could claim compensation for attending the Headquarters Development Study Ad Hoc Committee. Mr. Kennedy stated he believed the Administrative Code states any part of the day spent on District business by Members of the Board would be eligible to claim compensation for any Board-appointed committees. Director Mack inquired as to whether an update from this ad hoc committee would be provided today. Mr. Kennedy said an update could be provided as part of the Engineering and Operations Committee meeting report since the matter was discussed at that meeting.

- E. Legal Counsel Comments
 - 1. Attorney Report

Legal Counsel elaborated on the information contained in his written report.

19. COMMITTEE REPORTS

- A. Budget and Finance Committee

Mr. Nelson reported the committee reviewed the results of the audit.

- B. Communications and Customer Service Committee

Vice President Hamilton reported the committee received a briefing on the efforts to coordinate combined messaging regarding SDCWA’s PSWAR program with other local agencies as a means of minimizing any potential conflicts as well as an update on the Flume program. He stated per the Administrative Code he and Ms. Gray up for reappointment on the committee after serving four years; therefore, the committee approved making a recommendation for both reappointments to be considered by the Board at their next meeting. He mentioned the committee also started the process for conducting a year in review.

- C. Engineering and Operations Committee

Mr. Nelson reported the committee has met twice since the Board last convened during which time the committee recommended both Items #30 and #31 be approved by the Board. He pointed out staff has undertaken development of an approved system for assessing CIP priorities and funding which was discussed during the last two meetings with plans to present the plan to the Board in early 2021 for consideration.

Mr. Nelson mentioned there was an update on the Headquarters Development Study during which time the consultant’s exhaustive study was discussed and which in turn generated some initial recommendations in terms of the most beneficial options available to the District which was residential use. He noted there was also a discussion regarding the lower portion of the District’s property being in potential flood plains or flood ways which is to be discussed in greater detail later. Mr. Kennedy said once the remaining questions are worked through over the next several months, this matter will come to the Board for direction.

Vice President Hamilton inquired as to whether the valuation included the improvements. Mr. Kennedy explained the land could be sold without improvements, but would be worth much more if it was entitled by the County for residential development . Discussion ensued.

PRESENTATIONS AND ACTION ITEM

***20. PRESENTATION AND ACCEPTANCE OF THE AUDIT REPORT AND FINANCIAL STATEMENTS FOR FISCAL YEAR ENDING JUNE 30, 2020**

Ms. Largent introduced Bryan Gruber from LSL who was joined by Ryan Domino. Mr. Gruber gave a presentation containing a brief overview of the RMWD audit. He described the purpose for the letters provided.

(*) - Asterisk indicates a report is attached.

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Mr. Kennedy recognized Ms. Largent and her staff for the countless hours and efforts spent on the transitioning of software as well as ensuring the District's information was clean and available during the audit processes. Directors Moss and Gasca thanked Ms. Largent and her team for the support provided to ensure a quality product is being delivered to the ratepayers. Ms. Largent thanked everyone for their kind words.

Ms. Largent mentioned there were hard copies of the CAFR available for anyone interested. She noted review of the CAFR will be provided at the next Board meeting.

Motion:

To accept the audit.

Action: Approve, Moved by Director Moss, Seconded by Director Gasca.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

CONSENT CALENDAR ITEMS

- *21. NOTICE OF COMPLETION AND ACCEPTANCE OF FACILITIES CONSTRUCTED UNDER THE WIESTLING WATER LINE EXTENSION IMPROVEMENT PLANS**
- *22. ACCEPTANCE OF THE 2019 SEWER PIPE LINING PROJECT**
- *23. NOTICE OF COMPLETION AND ACCEPTANCE OF THE OLIVE HILL ESTATES TRANSMISSION LINE RECONNECTION PROJECT**
- *24. APPROVAL OF ORDINANCE NO. 20-12 - AMENDING AND UPDATING ADMINISTRATIVE CODE SECTION 1.02.020 – CONFLICT OF INTEREST**
- *25. POSSIBLE ACTION TO ADOPT ORDINANCE NO. 20-14 AMENDING AND UPDATING VARIOUS ADMINISTRATIVE CODE SECTIONS AND SUBSECTIONS INCLUDED IN TITLES 1, 2, 4, 5, 8, AND 9**
- *26. ADOPTION OF ORDINANCE NO. 20-11 AMENDING AND UPDATING ADMINISTRATIVE CODE SECTION 1.05.030 - PROCESS, SUBSECTION 1.05.030.03 – COMMITTEE REVIEW AND RECOMMENDATIONS**

Motion:

To approve the Consent Calendar items.

Action: Approve, Moved by Director Mack, Seconded by Director Gasca.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

(*) - Asterisk indicates a report is attached.

BOARD ACTION ITEMS

- *27. CONSIDERATION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 20-15, A RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT COMMENDING HELENE BRAZIER FOR HER OUTSTANDING SERVICE AS A DIRECTOR, SECRETARY, AND BOARD PRESIDENT**

Mr. Kennedy explained this item was to consider a resolution to recognize Helene Brazier for her contribution to the District over the past several years.

Motion:

To accept Resolution No. 20-15.

Action: Approve, Moved by Director Hamilton, Seconded by Director Moss.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

- *28. CONSIDER ESTABLISHING THE 2021 REGULAR BOARD MEETING SCHEDULE**

Mr. Kennedy stated this would be the 2021 meeting schedule.

Ms. Washburn agreed to research what courses need to be completed by the Board to achieve CSDA’s District of Distinction accreditation.

Motion:

To accept the calendar as is.

Action: Approve, Moved by Director Mack, Seconded by Director Moss.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

- *29. DISCUSSION AND POSSIBLE ACTION TO APPROVE A CONTRACT CHANGE ORDER FOR KENNEDY JENKS DESIGN CONTRACT FOR SEWER INFRASTRUCTURE PROJECTS LIFT STATION NO. 1 REPLACEMENT PROJECT IN THE AMOUNT OF \$239,623 AND EXTENSION OF CONTRACT TERM THROUGH JULY 30, 2021**

Mr. Williams provided background on this project noting Kennedy Jenks started working on this project in 2014 and has been continuously working on it ever since. He said one of the largest developments is associated with RMWD’s decision made in April 2020 to enter into an Out of Agency Service Agreement with Valley Center to take on the Meadowood project. He explained staff hired a separate firm, Dexter Wilson Inc., to conduct a wastewater conveyance analysis for the entire system and found that in order to meet the proposed future demands, many new facilities and infrastructure would be needed.

(*) - Asterisk indicates a report is attached.

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Mr. Williams noted when RMWD reengaged with Kennedy Jenks to incorporate the Dexter Wilson Report and receive their change order, staff recognized the fact that approximately six years had already passed as well as the amount was in the six-figure range and decided to request a matching scoping for this project from Dexter Wilson so a comparison of the two firms could be conducted. He stated this was a major undertaking for the engineering department and extended much appreciation for the work conducted by this team.

Mr. Williams reported the comprehensive analysis of both firms resulted in Kennedy Jenks being able to deliver this for approximately one-third the cost of Dexter Wilson as well as finish the design by June 30, 2021 as opposed to Dexter Wilson who would need to start the design from scratch.

Mr. Kennedy added Kennedy Jenks was already working on some of these projects prior to his joining RMWD and how some of the costs involved became expensive. He explained what alternatives were researched to help streamline the process.

Vice President Hamilton asked why a line already in place was being abandoned to build one almost 25%-30% longer. Mr. Kennedy explained the existing line also goes through a golf course and is subject to flooding; therefore, the lines were being moved to roadways to eliminate any liability.

Motion:

To accept Option 1 – Authorize the General Manager to execute a Change Order to the Professional Services Agreement with Kennedy Jenks and Associates to provide design Services for the Lift Station 1 Replacement Project in the amount of \$239,623, extend the contract term from December 31, 2020 to July 30, 2020, and make a determination that the action identified herein does not constitute a “project” as defined by CEQA

Action: Approve, Moved by Director Hamilton, Seconded by Director Moss.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

***30. CONSIDER AWARDING A PROFESSIONAL SERVICES AGREEMENT (PSA) TO VALLEY CONSTRUCTION MANAGEMENT FOR PROJECT MANAGEMENT SERVICES ON CONSTRUCTION PROJECTS DISTRICT-WIDE AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE THE PSA**

Mr. Kennedy relayed comments received from the Engineering and Operations Committee meeting suggesting RMWD consider hiring a full-time employee as opposed to utilizing as-needed contractors. He said in response to these comments, he had explained to the committee that at such point RMWD has the processes in place within its management team and the organizational portion of the CIP program to where adding additional staff to be used in a way that will commensurate with the cost of in-house hiring, a decision would be made.

Mr. Nelson agreed the committee has expressed interest in staffing and how once the projects are identified and their resource requirements loaded into a computer system, the committee will work closely with staff on considering this matter.

(*) - Asterisk indicates a report is attached.

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Mr. Williams noted this Professional Services Agreement with Valley Construction Management that, if approved, is up to \$200,000 billed on a time and materials basis. He stated if during this contract the District hires in-house, RMWD was under no obligation to continue to utilize Valley Construction Management or all the funds available not to exceed \$200,000.

Mr. Williams explained the steps taken to simply keep pace as the District has only one project manager currently in place. He reported a Request for Proposal was solicited to which nine proposals were submitted and evaluated. He said based on the evaluation process, Valley Construction Management was the most responsive to the District's needs.

Motion:

To approve Option 1 – Authorize the General Manager to execute PSA with Valley CM for a not to exceed amount of \$200,000 and make a determination that the action identified herein does not constitute a “project” as defined by CEQA.

Action: Approve, Moved by Director Moss, Seconded by Director Mack.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

31. DISCUSSION AND POSSIBLE ACTION UPDATING BOARD OF DIRECTOR MEMBERSHIP ON STANDING COMMITTEES

Director Moss respectfully resigned from serving on the Budget and Finance Committee.

Director Gasca expressed an interest in serving on the Engineering and Operations Committee.

Director Rindfleisch expressed an interest in serving on the Budget and Finance Committee.

Motion:

To appoint Director Rindfleisch to serve on the Budget and Finance Committee and Director Gasca to serve on the Engineering and Operations Committee.

Action: Approve, Moved by Director Hamilton, Seconded by Director Moss.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

Vice President Hamilton called for a break at 3:11 p.m.

The meeting reconvened at 3:20 p.m.

(*) - Asterisk indicates a report is attached.

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***32. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 20-09 AMENDING AND UPDATING ADMINISTRATIVE CODE TITLE 3 – BOARD MEETINGS**

Mr. Kennedy explained Title 3 has been updated to include defining who would serve as chair on the Board should members not be available. He pointed out a new slate of officers will be considered by the Board in January.

Ms. Washburn mentioned in addition to the proposed revisions to Title 3 brought to the Board in previous meetings, non-binary pronoun updates and chairperson not being capitalized are included in this version of proposed revisions.

Motion:

To approve Option 1 - Adopt Ordinance No. 20-09 amending and updating Administrative Code Title 3 – Board Meetings as proposed.

Action: Approve, Moved by Director Hamilton, Seconded by Director Gasca.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 4).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Moss.

Absent: Director Rindfleisch.

***33. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 20-13 AMENDING AND UPDATING VARIOUS ADMINISTRATIVE CODE CHAPTERS, SECTIONS AND SUBSECTIONS INCLUDED IN TITLES 2, 6, 8, AND 9**

Mr. Kennedy explained the revisions made to this section include updating the District Engineer and Engineering Manager job titles to District Representative which has now been defined as General Manager or their designee. He noted updated non-binary pronouns are also included in these revisions.

Motion:

To approve Option 1 - Adopt Ordinance No. 20-13 amending and updating various chapters, sections, and subsections included in Administrative Code Titles 2, 6, 8, 9 as proposed.

Action: Approve, Moved by Director Moss, Seconded by Director Hamilton.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 4).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Moss.

Absent: Director Rindfleisch.

(*) - Asterisk indicates a report is attached.

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DRAFT

DRAFT

***34. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 20-10 AMENDING AND UPDATING ADMINISTRATIVE CODE SECTION 5.05.050.01 – RECORDS RETENTION – DISTRICT RECORDS**

Mr. Kennedy explained with the District now video recording its public meetings, this item was to consider including these recordings as part of the record retention policy. He solicited the Board for their input.

Director Moss suggested retaining the video recordings for twelve months.

Motion:

Adopt Option 2 - Adopt Ordinance No. 20-10 amending and updating Administrative Code Section 5.05.050.01 with revisions to include a twelve-month retention.

Action: Approve, Moved by Director Moss, Seconded by Director Hamilton.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 4).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Moss.

Absent: Director Rindfleisch.

35. BOARD MEMBER REQUESTS FOR AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS

There were no requests.

BOARD INFORMATION ITEMS

***36. PRESENTATION OF THE 2021 RATE INCREASE TO PASS THROUGH SAN DIEGO COUNTY WATER AUTHORITY (SDCWA) RATE INCREASES**

Ms. Largent stated this was a presentation of the rate notice going out to customers following this meeting providing an update on the SDCWA increased being passed through. Mr. Kennedy mentioned these increases were mentioned in previous editions of the RMWD newsletter.

***37. CASH RESERVE POLICY 5.03.220 COMPLIANCE REPORT**

Ms. Largent explained this was an annual report staff provides to the Board every year after the audit is finalized.

***38. RECEIVE AND FILE INFORMATION AND FINANCIAL ITEMS**

A. General Manager Comments

1. Meetings, Conferences and Seminar Calendar

B. Communications

1. Staff Training Report – Washburn
2. Staff Training Report – Holtz

C. Operations Comments

1. Operations Report

(*) - Asterisk indicates a report is attached.

- D. Engineering Comments**
 - 1. Engineering Report
 - 2. As-Needed Services Expenditures Report
 - 3. RMWD Sewer Equivalent Dwelling Units (EDU's) Status
- E. Human Resource & Safety Comments**
 - 1. Human Resources Report
- F. Finance Comments**
 - 1. Board Information Report
 - 2. Budget vs. Actual Fund 1, 2, and 3
 - 3. Fund Balance Projections
 - 4. Treasury Report
 - 5. Five Year Demand
 - 6. Water Sales Summary
 - 7. Check Register
 - 8. Directors' Expenses
 - 9. Credit Card Breakdown
 - 10. Developer Projections
 - 11. RMWD Properties

Mr. Kennedy shared information utilizing props from the new lining pilot testing. He mentioned the Directors were invited to see the testing taking place in the lower yard following the conclusion of this meeting. He said a full report will be provided upon completion of the testing. Discussion ensued.

Motion:

To receive and file information and financial items.

Action: Approve, Moved by Director Mack, Seconded by Director Hamilton.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Gasca, Director Hamilton, Director Mack, Director Rindfleisch, Director Moss.

39. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT REGULAR BOARD MEETING

It was noted the selection of Board representatives and officers, member appointments to both the Engineering and Operations and Communications and Customer Service Committee, a CAFR presentation, a strategic plan update, and a resolution updating the check signing authority should be on the next Board meeting agenda.

40. ADJOURNMENT

The meeting was adjourned by Vice President Hamilton.

The meeting adjourned at 3:44 p.m.

Hayden Hamilton, Board Vice President

Dawn M. Washburn, Board Secretary

(*) - Asterisk indicates a report is attached.



TO: Rainbow Municipal Water District

FROM: Alfred Smith

DATE: January 26, 2021

RE: Attorney Report:
501668-0002

I. INTRODUCTION.

This attorney report provides an update on recent guidance regarding COVID-19 vaccination policies for employers. On December 16, 2020, the Equal Employment Opportunity Commission (“EEOC”) issued its first direct guidance for employers regarding COVID-19 vaccines that have been approved or authorized by the Food and Drug Administration (“FDA”). This guidance provides direction for employers considering vaccination programs in anticipation of more widespread availability of the COVID-19 vaccine. The new EEOC guidance addresses the following issues:

- Whether an employer may make the vaccine mandatory or voluntary;
- What exceptions must be made for employees who object to taking the vaccine for various reasons; and
- Questions regarding underlying health conditions with regard to administering the vaccine.

A. Mandatory Vaccination Summary.

The EEOC guidance provides that employers may implement and enforce COVID-19 vaccination policies for employees, with certain exceptions. Employer policies must comply with the Americans with Disabilities Act (“ADA”), Title VII of the Civil Rights Act of 1964 (“Title VII”), and other workplace laws.

The bottom line of the new EEOC guidance is that employers may lawfully offer COVID-19 vaccinations to employees on a voluntary or mandatory basis -- although mandatory vaccine programs implicate certain restrictions and requirements under the ADA and Title VII, such as the need to provide reasonable accommodations for disabilities and sincerely-held religious beliefs. Employers must also carefully review the permissibility and scope of vaccine-related pre-screening questions, to ensure that such questions are “job-related and consistent with business necessity,” and not designed to explore the employee’s medical or family history.

B. Inability to Receive Vaccination Due to Disability.

The ADA permits an employer to have a safety-based job qualification standard, such as a vaccination requirement, that includes a requirement that “an individual shall not pose a direct threat to the health or safety of individuals in the workplace.” The guidance explains that “a conclusion that there is a direct threat would include a determination that an unvaccinated individual will expose others to the virus at the worksite.” However, if this requirement screens out or tends to screen out an individual with a disability, the employer must show that without the vaccination, the employee poses “a significant risk of substantial harm to the health or safety of the individual or others that cannot be eliminated or reduced by reasonable accommodation.” (29 C.F.R. 1630.2(r).) In determining whether a direct threat exists, employers must assess the following four factors: (1) duration of the risk; (2) nature and severity of the potential harm; (3) likelihood that the potential harm will occur; and (4) imminence of the potential harm.

C. Inability to Receive Vaccination Due to Religious Belief.

An employer on notice that an employee is prevented from receiving the vaccination due to his or her sincerely held religious belief, practice, or observance must provide a reasonable accommodation, unless it would pose an undue hardship under Title VII of the Civil Rights Act. The EEOC guidance provides that the employer should ordinarily assume that an employee’s request is based on a sincerely held religious belief. However, if there is an objective basis for questioning either the religious nature or the sincerity of the belief, practice, or observance, the employer may request additional information supporting the request.

D. No Exemption or Reasonable Accommodation Available

If an individual cannot be vaccinated due to a disability or sincerely held religious belief and therefore poses a direct threat at the worksite, the employee can only be excluded from the workplace if there is no reasonable accommodation that would eliminate or reduce the risk of the direct threat. Further, the employer must determine if the employee is protected by any other EEOC regulations, paid or unpaid leave protections, or other federal, state, or local laws prior to terminating the employee.

The EEOC guidance stresses that employers and employees should engage in a flexible, interactive process to identify workplace accommodation options that do not constitute undue hardship (significant difficulty or expense) to the employer. This process should include determining whether supporting documentation about the disability or sincerely held religious belief is necessary and considering accommodation options in light of the nature of the workforce and employee’s position.

E. Title II of GINA Is Not Implicated For Employer-Required COVID-19 Vaccination

Under Title II of the Genetic Information Nondiscrimination Act (“GINA”), employers may not: (1) use genetic information to make decisions related to the terms, conditions, and privileges of employment; (2) acquire genetic information except in six narrow circumstances; and (3) disclose genetic information except in six narrow circumstances.

The EEOC guidance provides that requiring employees to get the COVID-19 vaccine does not implicate GINA because it does not involve the use of genetic information to make employment decisions or the acquisition or disclosure of genetic information.

F. Pre-Vaccination Medical Screening Questions Are Subject to ADA Standards

In general, for purposes of the ADA, the COVID-19 vaccine itself is not a “medical examination.” However, pre-screening vaccination questions may implicate the ADA’s provision on disability-related inquiries (inquiries that are likely to elicit information about a disability). If the employer administers the vaccine, pre-screening questions must be “job-related and consistent with business necessity.” To meet this standard, an employer needs to have a reasonable belief, based on objective evidence, that an employee who *does not* answer the questions and receives no vaccination, would pose a direct threat to the health or safety of her or himself or others.

In addition to the above, disability-related screening questions must meet the following requirements:

1. If any employer offers a vaccination on a voluntary basis, then the ADA responses to pre-screening, disability-related questions must also be voluntary. (42 U.S.C. 12112(d)(4); 29 C.F.R. 1630.14(d).) If an employee decides not to answer, the employer may decline to give the vaccine but may not retaliate against, intimidate, or threaten the employee for their refusal.

2. If the employer makes the vaccination mandatory, but the employee receives it from a third party that is not contracted with the employer (e.g., a pharmacy), the ADA restrictions on disability-related inquiries do not apply to the pre-vaccination medical screening questions.

Any medical information obtained from an employer’s vaccination program must be kept confidential.

II. CONCLUSION.

While it will likely be months before a vaccine is available to the vast majority of Americans, the EEOC's guidance, though not legally binding precedent on the courts, does shed some light on how the EEOC views questions relating to vaccination under applicable law. Vaccination requirements implicate a number of laws, including the Americans with Disabilities Act, the Genetic Information Nondiscrimination Act, and the religious protections of Title VII of the Civil Rights Act of 1964.

The EEOC's guidance answers a series of questions predicated on the assumption that an employer has adopted a COVID-19 vaccination policy, focusing on how an employer should respond to requests from employees who cannot or do not wish to obtain a vaccination. The EEOC guidance provides that voluntary or mandatory vaccination policies are acceptable, provided certain conditions are met.

The EEOC's guidance makes clear that employers wishing to adopt mandatory vaccination policies may be obligated to provide exemptions or accommodations to employees with religious objections to vaccines, pregnant workers, and employees with disabilities that may prevent them from obtaining a vaccination. The guidance further sets forth the factors to be used to determine if a "direct threat" exists, advises employers to be mindful of what questions they can ask employees about their health and vaccination status, and how employers use the information obtained in response to those questions.

AES

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

APPROVAL OF RESOLUTION NO. 21-01 ESTABLISHING CHECK SIGNING AUTHORITY

BACKGROUND

As part of the payroll and accounts payables process, RMWD has specific individuals designated as authorized signers of checks.

DESCRIPTION

The purpose of this resolution is to update the current established check signing responsibility to the current authorized signers of checks due to changes on the Board of Directors.

Resolution No. 21-01 will replace Resolution No. 20-12.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Chapter 5.01 – Banking

Strategic Focus Area Four: Fiscal Responsibility

ENVIRONMENTAL

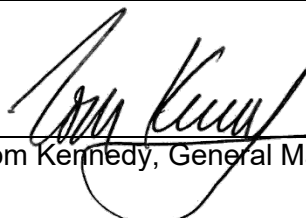
In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

- Option 1: Approve attached Resolution No. 21-01.
Option 2: Approve attached Resolution No. 21-01 with Board recommended revisions.

STAFF RECOMMENDATION

Staff recommends Option 1.


Tom Kennedy, General Manager

January 26, 2021

RESOLUTION NO. 21-01

**RESOLUTION OF THE BOARD OF DIRECTORS
OF RAINBOW MUNICIPAL WATER DISTRICT
ESTABLISHING CHECK SIGNING RESPONSIBILITIES
AND DESIGNATING AUTHORIZED SIGNERS OF CHECKS**

WHEREAS, the Rainbow Municipal Water District maintains an accounts payable checking account for the purposes of paying vendors, and a payroll checking account for the purpose of paying employees, and

WHEREAS, the bank requires that responsible parties be designated as authorized signers of these accounts, and

WHEREAS, it is appropriate to establish check signing responsibilities and designate authorized signers;

NOW, THEREFORE, IT IS HEREBY RESOLVED, DETERMINED AND ORDERED by the Board of Directors of Rainbow Municipal Water District that:

1. The following persons be designated as authorized signers on the checking accounts of the District:

Accounts Payable Authorized Signers:

Patricia "Pam" Moss, Director
Claude "Hayden" Hamilton, Director
Michael Mack, Director
Miguel Gasca, Director
Carl Rindfleisch, Director
Tom Kennedy, General Manager
Tracy Largent, Finance Manager

Payroll Authorized Signers:

Tom Kennedy, General Manager
Tracy Largent, Finance Manager

2. Accounts payable checks under \$50,000 shall be signed by members of the management staff and checks over \$50,000 shall be signed by one member of the management staff and one Board member.
3. Payroll checks will be signed by one member of the management staff.
4. Resolution 21-01 rescinds Resolution 20-12.

PASSED AND ADOPTED at a Regular meeting of the Board of Directors of Rainbow Municipal Water District held on the 26th day of January 2021 by the following vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

_____, Board President

Dawn Washburn, Board Secretary

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 21-05 — A RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT ESTABLISHING CLASSIFICATIONS AND MONTHLY PAY RANGES FOR DISTRICT EMPLOYEES AND THE GENERAL MANAGER EFFECTIVE JANUARY 26, 2021 THROUGH JUNE 30, 2021

BACKGROUND

In compliance with state and CalPERS regulations, the District maintains a Salary Grade structure that includes all job titles, salary grade levels, and monthly salary ranges for each grade. The table is available for public review, accessible from the Rainbow MWD website, and is published on a website hosted by the California State Controller.

Management staff has determined that it would be beneficial to reclassify the Customer Service Representative responsible for billing as a Billing Specialist and have the Billing Specialist report to the Senior Accountant, since the duties are more closely related to Finance. Accordingly, two new job classifications have been created and added to the Salary Grade Structure, Billing Specialist I and Billing Specialist II. The primary duties will remain the same, and this position will continue to provide backup phone coverage for the Customer Service Department.

Management has met and conferred with all affected bargaining units on the impacts of this change.

Approving Resolution No. 21-05 will add the new job classification to the salary grade structure.

DESCRIPTION

The grade structure included in Resolution No. 21-05 adds new job titles into the salary grade structure. Resolution No. 21-05 rescinds Resolution No. 20-13.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Updating this document with current information allows the District to comply with CalPERS requirements and California Code of Regulations 570.5 and 571.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

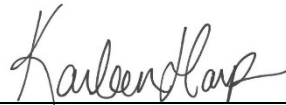
Resolution 21-05 allows the District to comply with CalPERS requirements and meet the District's operational needs.

This is a reclassification of an existing position, and therefore there are no changes to staff headcount or pay associated with this change, and therefore no immediate fiscal impact.

- 1. Option 1: Approve Resolution No. 21-05. The new job classifications will be added to the salary grade structure as a result of this action.
- 2. Option 2: Do not approve Resolution No. 21-05. The new job classifications will not be added to the salary grade structure.

STAFF RECOMMENDATION

Staff recommends approval of Resolution No. 21-05



Karleen Harp, COSM
Human Resources Manager

01/26/2021

**RESOLUTION NO. ~~20-1321-05~~ RESOLUTION OF THE BOARD OF DIRECTORS OF
RAINBOW MUNICIPAL WATER DISTRICT ESTABLISHING CLASSIFICATIONS AND
MONTHLY RATES OF PAY FOR DISTRICT EMPLOYEES**

EFFECTIVE ~~OCTOBER 27, 2020~~JANUARY 26, 2021 THROUGH JUNE 30, 2021

Exempt Salary Grade	Monthly Salary Range/ Biweekly Rate / Hourly Equivalent	Job Titles
GM	\$15,069- \$21,700/ \$6,955.20 - \$10,015.20 \$86.94 - \$125.19	General Manager
E11	\$10,935.60 - \$15,745.60 / \$5,047.20 - \$7,267.20 / \$63.09- \$90.84	Engineering and Capital Improvement Program Manager Finance Manager Operations Manager
E10	\$9,509.07- \$13,785.20 / \$4,388.80 - \$6,362.40 / \$54.86 – \$79.53	Human Resources Manager Information Technology Manager
E9	\$8,269.73 - \$11,989.47 / \$3,816.80 - \$5,533.60 / \$47.71 - \$69.17	Associate Engineer Project Manager Senior IT and Applications Analyst Water Operations Supervisor
E8	\$7,368.40 - \$10,424.27 / \$3,400.80 - \$4,811.20 / \$42.51 - \$60.14	Construction and Maintenance Supervisor Information Technology and Applications Analyst Meter Services Supervisor Risk Management Officer Senior Accountant Wastewater Superintendent

Non-Exempt Salary Grade	Monthly Salary Range/ Hourly Range	Job Titles
N7	\$6,862.27 - \$9,951.07 / \$39.59 - \$57.41	Customer Service and Communications Supervisor Executive Assistant/Board Secretary Lead Operator Senior Engineering Inspector Technical Services Team Lead
N6	\$5,967.87 - \$8,652.8 / \$34.43 - \$49.92	Crew Leader – Valve Maintenance Crew Leader – Construction & Maintenance Customer Service Supervisor Electronic / Electrical Technician II Information Systems Specialist III System Operator III
N5	\$5,187.87 - \$7,522.67/ \$29.93 - \$43.40	Accounting Specialist II Electrical / Electronics Technician I Engineering Technician II Information Systems Specialist II Mechanic II Senior Meter Services Technician System Operator II

		Utility Worker III – Construction Utility Worker III – Valve Maintenance Utility Worker III – Wastewater Services
N4	\$4,511.87 - \$6,539.87 / \$26.03 - \$37.73	Accounting Specialist I Administrative Assistant II <u>Billing Specialist II</u> Cross Connection Control and Backflow Technician Engineering Inspector I Engineering Technician I Information Systems Specialist I Purchasing & Inventory Control Specialist II System Operator I Utility Worker II – Construction Utility Worker II/III – Meter Services Utility Worker II – Valve Maintenance Utility Worker II – Wastewater Services
N3	\$3,922.53 - \$5,688.80 / \$22.63 - \$32.82	Administrative Assistant I <u>Billing Specialist I</u> Customer Service Representative II District Services Representative Purchasing / Inventory Control Specialist I Utility Worker I – Construction Utility Worker I – Meter Services Utility Worker I – Valve Maintenance Utility Worker I – Wastewater Services
N2	\$3,409.47 - \$4,946.93 / \$19.67- \$28.54	Customer Service Representative I Human Resources Assistant
N1	\$2,967.47 - \$4,303.87 / \$17.12 - \$24.83	Interns

Resolution No. ~~20-1321-05~~ rescinds Resolution No. 20-134.

PASSED, APPROVED, AND ADOPTED in Open Session at a meeting of the Board of Directors of the Rainbow Municipal Water District held on the ~~26th~~ day of ~~October~~January by the following vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____, Board President

ATTEST:

Dawn Washburn, Board Secretary

**RESOLUTION NO. 21-05 RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW
MUNICIPAL WATER DISTRICT ESTABLISHING CLASSIFICATIONS AND MONTHLY
RATES OF PAY FOR DISTRICT EMPLOYEES
EFFECTIVE JANUARY 26, 2021 THROUGH JUNE 30, 2021**

Exempt Salary Grade	Monthly Salary Range/ Biweekly Rate / Hourly Equivalent	Job Titles
GM	\$15,069- \$21,700/ \$6,955.20 - \$10,015.20 \$86.94 - \$125.19	General Manager
E11	\$10,935.60 - \$15,745.60 / \$5,047.20 - \$7,267.20 / \$63.09- \$90.84	Engineering and Capital Improvement Program Manager Finance Manager Operations Manager
E10	\$9,509.07- \$13,785.20 / \$4,388.80 - \$6,362.40 / \$54.86 – \$79.53	Human Resources Manager Information Technology Manager
E9	\$8,269.73 - \$11,989.47 / \$3,816.80 - \$5,533.60 / \$47.71 - \$69.17	Associate Engineer Project Manager Senior IT and Applications Analyst Water Operations Supervisor
E8	\$7,368.40 - \$10,424.27 / \$3,400.80 - \$4,811.20 / \$42.51 - \$60.14	Construction and Maintenance Supervisor Information Technology and Applications Analyst Meter Services Supervisor Risk Management Officer Senior Accountant Wastewater Superintendent

Non-Exempt Salary Grade	Monthly Salary Range/ Hourly Range	Job Titles
N7	\$6,862.27 - \$9,951.07 / \$39.59 - \$57.41	Customer Service and Communications Supervisor Executive Assistant/Board Secretary Lead Operator Senior Engineering Inspector Technical Services Team Lead
N6	\$5,967.87 - \$8,652.8 / \$34.43 - \$49.92	Crew Leader – Valve Maintenance Crew Leader – Construction & Maintenance Customer Service Supervisor Electronic / Electrical Technician II Information Systems Specialist III System Operator III
N5	\$5,187.87 - \$7,522.67/ \$29.93 - \$43.40	Accounting Specialist II Electrical / Electronics Technician I Engineering Technician II Information Systems Specialist II Mechanic II Senior Meter Services Technician

		System Operator II Utility Worker III – Construction Utility Worker III – Valve Maintenance Utility Worker III – Wastewater Services
N4	\$4,511.87 - \$6,539.87 / \$26.03 - \$37.73	Accounting Specialist I Administrative Assistant II Billing Specialist II Cross Connection Control and Backflow Technician Engineering Inspector I Engineering Technician I Information Systems Specialist I Purchasing & Inventory Control Specialist II System Operator I Utility Worker II – Construction Utility Worker II/III – Meter Services Utility Worker II – Valve Maintenance Utility Worker II – Wastewater Services
N3	\$3,922.53 - \$5,688.80 / \$22.63 - \$32.82	Administrative Assistant I Billing Specialist I Customer Service Representative II District Services Representative Purchasing / Inventory Control Specialist I Utility Worker I – Construction Utility Worker I – Meter Services Utility Worker I – Valve Maintenance Utility Worker I – Wastewater Services
N2	\$3,409.47 - \$4,946.93 / \$19.67- \$28.54	Customer Service Representative I Human Resources Assistant
N1	\$2,967.47 - \$4,303.87 / \$17.12 - \$24.83	Interns

Resolution No. 21-05 rescinds Resolution No. 20-13.

PASSED, APPROVED, AND ADOPTED in Open Session at a meeting of the Board of Directors of the Rainbow Municipal Water District held on the 26th day of January by the following vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____, Board President

ATTEST:

Dawn Washburn, Board Secretary



CONSENT CALENDAR

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

POSSIBLE ACTION TO CONSENT TO THE EXTENSION OF THE JOINT AGREEMENTS TO IMPROVE MAJOR SUBDIVISION FOR COUNTY OF SAN DIEGO TRACT NO. 5338-2 THROUGH 5338-6, HORSE CREEK RIDGE

BACKGROUND

Horse Creek Ridge is a development consisting of 741 residential units near Horse Ranch Creek Road in Fallbrook, California. The District entered into the following Joint Agreements to Improve Major Subdivision County of San Diego Tract No. 5338-2 through 5338-6 (Agreements) along with the County of San Diego (County) and D.R. Horton Los Angeles Holding Company, Inc., a California Corporation (Owner).

1. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-2 (November 20, 2014)
2. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-2, Lot 148 (MF-1) (February 4, 2015)
3. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-2, Lot 149 (MF-2) (February 4, 2015)
4. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-3 (November 20, 2014)
5. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-4 (November 20, 2014)
6. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-5 (September 15, 2015)
7. Joint Agreement No. 2 to Improve Major Subdivision, County of San Diego Tract No. 5338-6 (September 15, 2015)

The agreements state that the owner will complete the improvements according to the plans and specifications within 730 days from the date of the approval of the final map. The District last gave consent for the agreements to be extended to March 22, 2021 on April 18, 2019. The improvements contemplated under the Agreements have not yet been completed.

DESCRIPTION

D.R. Horton Los Angeles Holding Company, Inc. has requested an additional two year extension of the Agreements. Before the County extends the agreement, they require a letter from the District approving the extension of the Agreements. The Agreements state that in the event it is deemed necessary to extend the time of completion of the work and improvements contemplated under the Agreement, said extension may be granted upon the owner's request by the County with consent from the District.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Two: Asset Management. It is important to enter and maintain clear agreements with Developers to ensure that that District facilities are constructed according to District Standards and accepted into the District's facilities by the correct processes. The extension of the Agreement allows for the Developer to complete the improvements so they can be accepted in the future.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board, the extension of the Agreement, does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.


BOARD OPTIONS/FISCAL IMPACTS

- 1) Option 1:
 - Consent to the two-year extension of the Joint Agreements to Improve Major Subdivision County of San Diego Tract No. 5338-2 through 5338-6.
 - Authorize the General Manager to send a letter stating the consent to the County of San Diego.
 - Make a finding that the action does not constitute a "project" as defined by CEQA.

- 2) Option 2:
 - Provide other direction to Staff.

STAFF RECOMMENDATION

Staff Recommends Option 1.



Chad Williams
Acting District Engineer

01/26/2021



BOARD ACTION

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE APPOINTMENT OF BOARD OFFICERS AND REPRESENTATIVES

BACKGROUND

Administrative Code Policy Section 3.01.030 - Biannual Organizational Meeting states the Board of Directors shall hold an organizational meeting at its regular meeting in January of the odd numbered year or as determined by the Board. At this meeting the Board will elect a President and Vice President from among its members and may appoint the Executive Assistant as the Board Secretary and the Finance Manager as its Treasurer to serve until the next biannual meeting.

DESCRIPTION

Due to the November 8, 2020 election results with a change in the Board of Directors and Administrative Code Section 3.01.030, the Board will need to consider appointments of the Board Officers and Representatives as well as Board Member committee assignments.

At their December 8, 2020 meeting, the Director Moss respectfully resigned from serving on the Budget and Finance Committee, Director Gasca resigned from the Budget and Finance Committee and was appointed to serve on the Engineering and Operations Committee, and Director Rindfleisch was appointed to serve on the Budget and Finance Committee. All resignations and appointments were approved by the Board unanimously. These positions are listed below for the Board to reconsider or reconfirm.

The positions under consideration are as follows:

Board President	Board Vice-President
Board Secretary	Treasurer
CSDA Representative	Santa Margarita River Watershed Watermaster Steering Committee
LAFCO Representative	San Luis Rey Watershed Council and Alternate
SDCWA Representative	ACWA Representative and Alternate
Communications and Customer Service Committee	Budget and Finance Committee
Engineering and Operations Committee	

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Four: Fiscal Responsibility
Strategic Focus Area Five: Customer Service
Strategic Focus Area Six: Communication

Administrative Code: Section 3.01.030 – Biannual Organizational Meeting
Section 2.06.010 – Committees Policy

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

Make and accept appointment nominations for Board consideration and action.

STAFF RECOMMENDATION

Staff supports direction.



Tom Kennedy, General Manager

January 26, 2021

Section 3.01.030
Biannual Organizational Meeting

The Board of Directors shall hold an organizational meeting at its regular meeting in January of the odd numbered year or as determined by the Board. At this meeting the Board will elect a President and Vice President from among its members and may appoint the Executive Assistant as its Board Secretary and the Finance Manager as its Treasurer to serve until the next biannual meeting.

Section 2.06.010 Committees Policy

The Board shall organize committees that are advisory to the Board with regards to matters within their respective areas of responsibility. Committees may study, advise and make recommendations to the Board on matters within the committee's area of responsibility. Committee recommendations shall be communicated to the Board. The authority of committees is limited to advisory recommendations only. Committees may provide recommendations for the Board to consider, which recommendations may be considered, adopted, amended or rejected by the Board in the Board's sole discretion. The Board may refer a recommendation back to the committee for reevaluation whenever the Board deems additional evaluation is required. Committees shall have no authority to take action or otherwise render decisions that are binding upon the Board or District staff.

Each committee shall have at least four and no more than seven regular members appointed by a simple majority vote of the Board. Each committee may also have up to two alternate committee members appointed by a simple majority of the Board. Committees may be comprised of Directors, staff, and legal ratepayers of the District. Committee members must reside within District boundaries. Committee members must be registered voters within District boundaries and must maintain a primary domicile within District boundaries for the duration of their tenure. The Board in its sole discretion may determine at any time whether a committee member properly resides within the District. Each committee shall designate their own chairperson, but that Chairperson may not also serve as an elected member of the Board of Directors. In order to promote attendance by Directors at Committee meetings without inadvertently creating a violation of the Ralph M. Brown Act, no more than one member of the Board of Directors may sit as a member on a Committee. Directors that are not members of a committee may attend as observers but are allowed to participate at the Committee's request.

Members of the committees serve at the pleasure of the Board. The Board has authority to remove committee members at any time in the Board's sole discretion. Each committee may elect a vice-chairperson, but that vice-chairperson may not also serve as an elected member of the Board of Directors. Members of committees, including the chairperson and vice-chairperson shall serve until their successors are appointed. The chairperson of a committee is its presiding officer. In the absence of the chairperson, the vice-chairperson shall perform the duties of the chairperson. The chairperson and vice-chairperson are not deprived of any of the rights and privileges of a committee member by reason of being the presiding officer.

The chairperson and vice-chairperson will hold their positions for one calendar year. Committee members will serve a term of four years and may be reappointed at the will of the Board.

Committee meetings shall be open to the public and held in accordance with the provisions of the Ralph M. Brown Act. At least 72 hours before a committee meeting, the Secretary shall post an agenda containing a brief, general description of each item of business to be discussed at the committee meeting. The posting shall be freely accessible to the public. No action shall be taken by secret ballot at a committee meeting.

Each lawfully noticed committee meeting will be recorded with summary minutes prepared from these meeting audio recordings. The minutes of each committee meeting and any recommendation of a committee shall include a summary of the information presented. District staff will prepare minutes of each meeting. Draft minutes will be provided to the committee at the next available committee meeting for committee member review, consideration and approval. Once approved, minutes will be made a part of the District's permanent records and audio recordings will be disposed of according to the District's Records Retention policy provided in the District's Administrative Code.

A majority of the members of each committee shall constitute a quorum for the transaction of business.

Only regular members of the committee are entitled to make, second or vote on any motion or other action of the committee. Alternate members present at a meeting, but not seated as a regular member by the committee Chairperson, may participate in discussions but may not participate in motions or voting. Each committee member shall be entitled to one vote on all matters considered by the committee. A simple majority vote of the members of the Committee shall designate approval of a motion.

All committee member absences will be considered by the majority of the committee members to determine whether or not the absence is without cause. Sickness, jury duty, vacation and/or bereavement will be considered excused absences. When three meetings in a row or a total of six meetings in one calendar year are missed the remaining committee members will consider removal of the individual from the committee. The removal must be voted upon and approved by the majority of the committee members with the exception of the committee member in question.

If the roll call of regular members reveals that a quorum of regular members cannot be established, the Chairperson may appoint one or more alternate members who are present to be a temporary regular member in order to establish a quorum. Once a quorum is established, any remaining alternate member who has not been appointed as a temporary regular member shall remain as an alternate member. Once alternates have been seated as a regular committee member, they may immediately participate in any action taken and voted upon by the committee. All alternates must conform to the same rules as regular committee members. The Chairperson shall state for the record which alternate members have been seated as temporary regular members.

Committee Members and alternates shall comply with the obligations and responsibilities of office including the obligation to comply with the disclosure requirements of the Political Reform Act (Form 700). The reporting categories made applicable to the Directors by Rainbow Municipal Water District's local conflict of code shall apply to the members of the committee members.

All committee communications must go through the designated committee chairperson.

2.06.010.01 Budget and Finance Committee

The Committee shall work in concert with the General Manager, Treasurer, and Finance Manager of the District.

The Committee shall be responsible for the review of District finances including: rates, fees, charges and other sources of revenue; budget; audit; investments; insurance; and other financial matters.

2.06.010.02 Engineering and Operations Committee

The Committee shall work in concert with the General Manager, Engineering department head, and Operations Manager.

The Committee shall be responsible to review matters of design, construction, replacement, and repair of the District facilities and property, including: the Capital Improvement Program; contractor selection process; contractor management programs; and other engineering-related matters.

The committee shall also be responsible to review matters of operations, preventative maintenance practices, standard operating procedures, technical services, equipment, and other operations-related matters.

2.06.010.03 Communications and Customer Service Committee

The Committee shall work in concert with the General Manager and Customer Service and Communications Supervisor.

The Committee shall be responsible for providing input or guidance on matters of internal and external communications including: positive public image; community outreach; media relations; water conservation programs; intergovernmental relations; customer service policies; and other public relations programs.

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 21-03 OF THE BOARD OF DIRECTORS OF THE RAINBOW MUNICIPAL WATER DISTRICT APPOINTING A REPRESENTATIVE TO THE BOARD OF DIRECTORS OF THE SAN DIEGO COUNTY WATER AUTHORITY (SDCWA)

BACKGROUND

On January 6, 2015, the Board appointed General Manager Tom Kennedy to serve as the district representative to the Board of Directors of the SDCWA effective February 17, 2015. In accordance with the County Water Authority Act, terms on the SDCWA Board are for six years.

DESCRIPTION

The term of office for Mr. Kennedy as RMWD's representative on the SDCWA Board will expire on February 2, 2021; thereby creating the need for the Board to appoint a SDCWA representative.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area One: Water Resources - SDCWA is currently our sole source of imported water so effective engagement in water resource policies at the regional level is imperative.

Strategic Focus Area Two: Asset Management – The District has invested heavily in SDCWA infrastructure over the years so participation in regional capital spending decision making is important.

Strategic Focus Area Four: Fiscal Responsibility – SDCWA costs represent nearly 70% of the District's total cost structure, so what happens down at SDCWA has a big impact on our ratepayers.

ENVIRONMENTAL

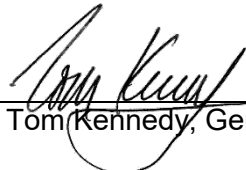
In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

1. Approve Resolution No. 21-03 appointing a representative to the Board of Directors of the SDCWA effective February 2, 2021.
2. Defer appointment of a representative to the Board of Directors of the SDCWA until a later date.

STAFF RECOMMENDATION

There are several pressing issues currently under consideration at the SDCWA, and without a RMWD representative our positions or concerns are not heard. Staff recommends the Board appoint a representative as soon as possible and approve Resolution No. 21-03, validating that appointment.



Tom Kennedy, General Manager

January 26, 2021

RESOLUTION NO. 21-03

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RAINBOW MUNICIPAL WATER DISTRICT
APPOINTING _____
AS ITS REPRESENTATIVE TO THE BOARD OF DIRECTORS
OF THE SAN DIEGO COUNTY WATER AUTHORITY**

WHEREAS, the Board of Directors, has designated and appointed _____ at the Board meeting of January 26, 2021, to serve as its representative on the San Diego County Authority Board of Directors; and

WHEREAS, the Rainbow Municipal Water District Board of Directors desires to consent to and approve said designation and appointment;

NOW, THEREFORE, IT IS HEREBY RESOLVED, DETERMINED AND ORDERED by the Board of Directors of Rainbow Municipal Water District to concur in the appointment and support the representation of _____ for service to the SDCWA Board of Directors, beginning February 17, 2021 for the unfulfilled term expiring February 16, 2027 and;

BE IT FURTHER RESOLVED that the District Secretary is hereby directed to transmit a certified copy of this resolution to the SDCWA, 4677 Overland Avenue, San Diego, California, 92123, forthwith. Resolution 15-03 is hereby rescinded by Resolution 21-03.

PASSED, APPROVED AND ADOPTED at a Special meeting of the Board of Directors of the Rainbow Municipal Water District held on the 26th day of January 2021 by the following vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____, Board President

ATTEST:

Dawn Washburn, Board Secretary

November 30, 2020

MEMBER AGENCIES

Carlsbad
Municipal Water District

City of Del Mar

City of Escondido

City of National City

City of Oceanside

City of Poway

City of San Diego

Fallbrook
Public Utility District

Helix Water District

Lakeside Water District

Olivenhain
Municipal Water District

Otay Water District

Padre Dam
Municipal Water District

Camp Pendleton
Marine Corps Base

Rainbow
Municipal Water District

Ramona
Municipal Water District

Rincon del Diablo
Municipal Water District

San Dieguito Water District

Santa Fe Irrigation District

South Bay Irrigation District

Vallecitos Water District

Valley Center
Municipal Water District

Vista Irrigation District

Yuima
Municipal Water District

OTHER
REPRESENTATIVE

County of San Diego

Board of Directors
Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

Re: SDCWA Term of Office for Tom Kennedy

Dear Board of Directors,

The San Diego County Water Authority records indicate the term of office for Tom Kennedy, as your representative on the Water Authority's Board, will expire on February 2, 2021.

Under the terms of the County Water Authority Act, members of the Board of Directors hold office for a term of six years or until their successors are appointed and qualified. The new term of your representative's appointment to the Water Authority Board would end on February 2, 2027. Please make the necessary arrangements for this appointment and notify us of your appointment.

Thank you for your assistance with this matter and contact me at (858) 522-6614 if you have any questions.

Sincerely,
Melinda Nelson
Clerk of the Board

C: Tom Kennedy
Sandy Kerl, General Manager, SDCWA
Mark Hattam, General Counsel, SDCWA
SDCWA Board Officers

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

CONSIDER ADOPTING RESOLUTION NO. 21-04 DESIGNATING ANOTHER DISTRICT'S REPRESENTATIVE AS PROXY VOTE TO THE SAN DIEGO COUNTY WATER AUTHORITY (SDCWA) IN THE ABSENCE OF THE RAINBOW MUNICIPAL WATER DISTRICT (RMWD) REPRESENTATIVE

BACKGROUND

In the event RMWD's representative is unable to attend a SDCWA meeting, the named representative will be designated as proxy vote.

In the past Gary Arant of Valley Center Municipal Water District has been named RMWD's proxy.

DESCRIPTION

As part of this meeting, the Board considered adopting Resolution No. 21-03 appointing a RMWD representative to the Board of Directors of the SDCWA. In the event an appointment was made, this item is to provide the Board with an opportunity to designate another District's representative as proxy vote to the SDCWA in the absence of the named RMWD representative.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area One: Water Resources - SDCWA is currently our sole source of imported water so effective engagement in water resource policies at the regional level is imperative.

Strategic Focus Area Two: Asset Management – The District has invested heavily in SDCWA infrastructure over the years so participation in regional capital spending decision making is important.

Strategic Focus Area Four: Fiscal Responsibility – SDCWA costs represent nearly 70% of the District's total cost structure, so what happens down at SDCWA has a big impact on our ratepayers.

ENVIRONMENTAL

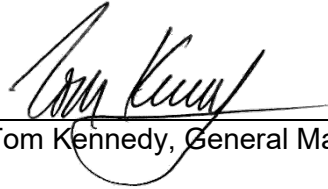
In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

1. Adopt Resolution No. 21-04 designating Gary Arant of Valley Center Municipal Water District as RMWD's proxy vote to the SDCWA.
2. Adopt Resolution No. 21-04 designating a RMWD proxy vote to the SDCWA other than Gary Arant of Valley Center Municipal Water District.
3. Do not adopt Resolution No. 21-4.

STAFF RECOMMENDATION

Staff recommends adoption of Resolution No. 21-04 designating Gary Arant of Valley Center Municipal Water District as RMWD's proxy vote.



Tom Kennedy, General Manager

January 26, 2021

RESOLUTION NO. 21-04

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RAINBOW MUNICIPAL WATER DISTRICT DESIGNATING
GARY ARANT OF VALLEY CENTER MUNICIPAL WATER DISTRICT
AS PROXY VOTE TO THE SAN DIEGO COUNTY WATER AUTHORITY
IN THE ABSENCE OF THE AGENCY'S REPRESENTATIVE**

WHEREAS, Section 6(g) of the County Water Authority Act (Chapter 545 of the Statutes of 1943, Chapter 45 Water Code-Appendix) provides that a member agency's representative to the San Diego County Water Authority may designate another member of the Board of Directors of the Water Authority to vote in the absence of such representative, provided the designee is confirmed by the governing body of the member agency; and

WHEREAS, _____, Rainbow Municipal Water District's representative to the County Water Authority, has designated Gary Arant of Valley Center Municipal Water District;

NOW, THEREFORE, IT IS HEREBY RESOLVED, DETERMINED AND ORDERED by the Board of Directors of Rainbow Municipal Water District as follows:

- Section 1. That Gary Arant, a representative representing Valley Center Municipal Water District, is hereby confirmed and authorized to vote for the Rainbow Municipal Water District representative to the San Diego County Water Authority when they are absent from a meeting of the Authority.
- Section 2. That the Secretary of the Board is directed to file a certified copy of this Resolution with the Board Secretary of the San Diego County Water Authority.
- Section 3. That Resolution No. 21-04 rescinds Resolution No. 15-04.

PASSED, AND ADOPTED at a Regular meeting of the Board of Directors of Rainbow Municipal Water District held on this 26th day of January 2021, by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

President of the Board

ATTEST:

Dawn Washburn
Board Secretary

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

CONSIDER ACTION TO APPROVE A THREE-YEAR CONTRACT RENEWAL WITH SOFTCHOICE, INC. FOR THE LICENSING OF MICROSOFT OFFICE 365, OFFICE ADVANCED THREAT PROTECTION, AZURE SECURITY, SQL SERVER AND WINDOWS LICENSING

BACKGROUND

The District has a contract with Softchoice for our Microsoft Enterprise Agreement and Select Plus Licensing. This licensing provides the District with access to Office products such as Word, Excel, Power Point and Outlook for all District employees. Softchoice also allows for employees to utilize Office products to store files and collaborate on the cloud such as OneDrive, SharePoint and Teams.

These products have become a vital part of the District during the COVID Pandemic as most of the employees are currently working offsite. The use of these tools has made it simpler and more productive for employees to work remotely, by allowing them to share, send and communicate with each other.

The licensing gives the District access to Microsoft Office's Advanced Threat Protection, which helps us prevent viruses and other threats from emails and files. Azure Security is one such advanced threat protection, which provides protection against outside users attempting to access our software from different parts of the world., Azure locks down our accounts when multiple failed attempts happen on a specific account. Azure Security has allowed us to use Single-Sign On (SSO) and Multi-Factor Authentication (MFA). Using SSO allows authorized users to have a single portal to authenticate and gain access to different software's., The MFA allows any login to this portal to have a second factor (usually a code on the employee's phone) to verify the person trying to login is in fact an authorized user.

The licensing also pertains to the District's Windows Server and the SQL Server for our databases. These servers allow the District to have a local file server, so that in the event of a lost connection to the cloud based server(s) we are still able to access District files with zero interruption to workflow.. We also host a variety of software's on these servers such as our District's Security Camera's Recording Software, Meter Reading Software, Software that controls the Gas Pumps, Software for our Network Monitoring and GIS Software. The SQL Server allows us to have a Centralized Geographical Information System (GIS) database, as well as an environment for Staff to analyze and test data/applications before deploying to the production environment.

DESCRIPTION

This is a three year renewal to the existing contract and will continue to provide the District with a myriad of Microsoft products. These products are necessary for the ongoing security, storage, software and maintenance the District requires regardless of where employees are physically located. Continuing to have both cloud and onsite servers is vital to the District's day-to-day workflow.

The District currently has a three-year contract with Microsoft Licensing via Softchoice, which is set to expire on January 31, 2021. The approval of this three year extension will allow the District to continue to receive Microsoft Services and Products.

Softchoice, who is currently under a three-year contract to provide Microsoft licensing, submitted their cost proposal for the proposed three-year extension. Since Softchoice is already under contract to maintain the licensing, the work described above would continue to be maintained by Softchoice. Complications arise if another company provides this licensing as additional funds and Staff time would have to be expended to transfer the existing licenses from one third party to another. A three-year extension to the existing contract with Softchoice allows for seamless and continuous usage of the Microsoft licenses. This allows the District to not have and expend additional resources related to the possible transferring of licenses and administering a new contract. With the majority of District Staff working remotely, this cloud based solution has become a critical tool and we cannot afford any disruptions to the Microsoft suite.

Cost proposals were not requested from other companies, as Softchoice already has a current agreement. Softchoice has a significant advantage in that they specialize in Microsoft licensing and regularly check in with District Staff to ensure that all needs are being met and all products are functioning properly.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Three: Workforce Development. By giving our employees access to the suite of software provided by Microsoft, we're giving them the opportunity to excel at their jobs.

Strategic Focus Area Five: Customer Service. This suite of products will allow District Employees to better collaborate and communicate together, providing our Customers better customer service.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

Approval of the three-year contract renewal with Softchoice, Inc. will cost \$23,530 per year for three (3) years for a total of \$70,590 and will be paid on the anniversary date of the renewal for the next three (3) years. Funds for this renewal are available in the General Fund.

Option 1:

- Approve Softchoice's Microsoft Enterprise Agreement and Select Plus Agreement with Microsoft for the Suite of Microsoft Products for \$70,590 which will be paid equally on the anniversary date for the next three (3) years.
- Make a finding that this action does not constitute a "project" as defined by CEQA.
- Authorize the General Manager to execute a contract with Softchoice, Inc.

Option 2:

- Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.



Ahmed Khattab
Information Technology Manager

1/26/2021



Softchoice
 20, Mowat Avenue
 Toronto, ON, M6K 3E8

Sales/Order desk
 Phone: (800) 268-7638
 Fax: (800) 268-7639

Quote	Q-265230
Date	30-Dec-2020

Quote

Ship To :
 Ahmed Khattab
 Rainbow Municipal Water District Management
 3707 OLD HIGHWAY 395
 FALLBROOK, CA 92028

Bill To:
 Ahmed Khattab
 Rainbow Municipal Water District Management
 3707 OLD HIGHWAY 395
 FALLBROOK CA
 92028

Quote Prepared For	Ahmed Khattab Rainbow Municipal Water District Management Phone: (760) 728-1178 Ext. 103 Email: akhattab@rainbowmwd.com
Quote Sent By	Taylor Braun taylor.braun@softchoice.com Phone: 312-655-9002 Fax:
Anniversary Date	01-Feb-2021
Authorization Number	50449757
Agreement End Date	31-Jan-2021
Comments	

SLG EA (CCISDA) - At Signing - Year 1 of 3

Item #	Mfg Sku #	Description	Qty	Billing Frequency	Start Date	End Date	Usage Country	License Type	Unit Price	Extended Price
2000401989	AAA-12414	CoreCALBridgeO365 ALNG SubsVL MVL PerUsr	65		01-Feb-2021	31-Jan-2022	United States	Subscription	\$20.04	\$1,302.60
2000401801	359-00961	SQLCAL ALNG SA MVL UsrCAL	3		01-Feb-2021	31-Jan-2022	United States	Maintenance	\$34.90	\$104.70
2000401785	228-04433	SQLSvrStd ALNG SA MVL	1		01-Feb-2021	31-Jan-2022	United States	Maintenance	\$150.03	\$150.03

2000401914	9EA-00278	WinSvrDCCore ALNG SA MVL 2Lic CoreLic	8		01-Feb-2021	31-Jan-2022	United States	Maintenance	\$128.67	\$1,029.36
2000575344	MQN-00001	AzureActiveDrctryPremP2GCC ShrdSvr ALNG	65		01-Feb-2021	31-Jan-2022	United States	Subscription	\$83.64	\$5,436.60
2000410250	3NS-00003	ExchgOnlnP2GCC ShrdSvr ALNG SubsVL MVL P	5		01-Feb-2021	31-Jan-2022	United States	Subscription	\$74.28	\$371.40
2000410561	3GU-00001	O365AdvThrtPrctPln1GCC ShrdSvr ALNG Sub	65		01-Feb-2021	31-Jan-2022	United States	Subscription	\$18.65	\$1,212.25
2000410715	AAA-11894	O365GCCE3 ShrdSvr ALNG SubsVL MVL PerUsr	65		01-Feb-2021	31-Jan-2022	United States	Subscription	\$214.20	\$13,923.00
GROUP TOTAL										\$23,529.94

SLG EA (CCISDA) - At Signing - Year 2 of 3

Item #	Mfg Sku #	Description	Qty	Billing Frequency	Start Date	End Date	Usage Country	License Type	Unit Price	Extended Price
2000401989	AAA-12414	CoreCALBridgeO365 ALNG SubsVL MVL PerUsr	65		01-Feb-2022	31-Jan-2023	United States	Subscription	\$20.04	\$1,302.60
2000401801	359-00961	SQLCAL ALNG SA MVL UsrCAL	3		01-Feb-2022	31-Jan-2023	United States	Maintenance	\$34.90	\$104.70
2000401785	228-04433	SQLSvrStd ALNG SA MVL	1		01-Feb-2022	31-Jan-2023	United States	Maintenance	\$150.03	\$150.03
2000401914	9EA-00278	WinSvrDCCore ALNG SA MVL 2Lic CoreLic	8		01-Feb-2022	31-Jan-2023	United States	Maintenance	\$128.67	\$1,029.36

2000575344	MQN-00001	AzureActiveDrctryPremP2GCC ShrdSvr ALNG	65		01-Feb-2022	31-Jan-2023	United States	Subscription	\$83.64	\$5,436.60
2000410250	3NS-00003	ExchgOnlnP2GCC ShrdSvr ALNG SubsVL MVL P	5		01-Feb-2022	31-Jan-2023	United States	Subscription	\$74.28	\$371.40
2000410561	3GU-00001	O365AdvThrtPrtctPln1GCC ShrdSvr ALNG Sub	65		01-Feb-2022	31-Jan-2023	United States	Subscription	\$18.65	\$1,212.25
2000410715	AAA-11894	O365GCCE3 ShrdSvr ALNG SubsVL MVL PerUsr	65		01-Feb-2022	31-Jan-2023	United States	Subscription	\$214.20	\$13,923.00
GROUP TOTAL										\$23,529.94

SLG EA (CCISDA) - At Signing - Year 3 of 3

Item #	Mfg Sku #	Description	Qty	Billing Frequency	Start Date	End Date	Usage Country	License Type	Unit Price	Extended Price
2000401989	AAA-12414	CoreCALBridgeO365 ALNG SubsVL MVL PerUsr	65		01-Feb-2023	31-Jan-2024	United States	Subscription	\$20.04	\$1,302.60
2000401801	359-00961	SQLCAL ALNG SA MVL UsrCAL	3		01-Feb-2023	31-Jan-2024	United States	Maintenance	\$34.90	\$104.70
2000401785	228-04433	SQLSvrStd ALNG SA MVL	1		01-Feb-2023	31-Jan-2024	United States	Maintenance	\$150.03	\$150.03
2000401914	9EA-00278	WinSvrDCCore ALNG SA MVL 2Lic CoreLic	8		01-Feb-2023	31-Jan-2024	United States	Maintenance	\$128.67	\$1,029.36
2000575344	MQN-00001	AzureActiveDrctryPremP2GCC ShrdSvr ALNG	65		01-Feb-2023	31-Jan-2024	United States	Subscription	\$83.64	\$5,436.60

2000410250	3NS-00003	ExchgOnlnP2GCC ShrdSvr ALNG SubsVL MVL P	5		01-Feb-2023	31-Jan-2024	United States	Subscription	\$74.28	\$371.40
2000410561	3GU-00001	O365AdvThrtPrctPln1GCC ShrdSvr ALNG Sub	65		01-Feb-2023	31-Jan-2024	United States	Subscription	\$18.65	\$1,212.25
2000410715	AAA-11894	O365GCCE3 ShrdSvr ALNG SubsVL MVL PerUsr	65		01-Feb-2023	31-Jan-2024	United States	Subscription	\$214.20	\$13,923.00
GROUP TOTAL										\$23,529.94

SUBTOTAL	\$70,589.82
DELIVERY: Ground - 3 to 5 days	\$0.00
State Tax	\$0.00
Local Tax	\$0.00
All currency in this quote is in (USD).	TOTAL
	\$70,589.82

Payment options are only available in listed currency and not billable in other currencies. Pricing, availability, and special offers are subject to change at any time. As noted in the Microsoft Enterprise Agreement, any online subscription services within this quote will automatically renew annually unless Softchoice is notified in writing at least 30 days prior to your anniversary. If you are within the final year of your agreement the previous statement does not apply; new products and quantities will be reviewed in your renewal process.

Signature :

Name :

Title :

Date :

PO# : {{PO_es_signer1}}

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO ADOPT RESOLUTION NO. 21-02 APPROVING AN INITIAL STUDY / MITIGATED NEGATIVE DECLARATION AND A MITIGATION MONITORING AND REPORTING PROGRAM UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT FOR LIFT STATION NO. 1 REPLACEMENT PROJECT

BACKGROUND

On December 8, 2020, the Board of Directors approved Change Order #12, with Kennedy Jenks (KJ) to complete the Phase I design of the Lift Station No. 1 Replacement project. As presented at the December Board Meeting, many of the District's existing wastewater facilities are undersized for current and predicted future flows and require replacement in preparation for new development such as Meadowood (850 new dwelling units). KJ has been working to complete the design for the Phase I Lift Station No. 1 Replacement project by the end of this fiscal year. This is the first step for the District to move forward with its wastewater facilities improvements to accommodate the Meadowood Development. Phase 1 includes the following improvements:

1. Thoroughbred Lift Station,
2. Force Main from Thoroughbred Lift Station to Old River Road,
3. Olive Hill Road Gravity Main Improvements (appurtenant to Lift Station), and
4. Upsize of existing sewer line along Highway 76.

It is worth noting that District analysis projected that improvements to wastewater facilities in North River Road and existing gravity sewer mains in Old River Road are needed to meet the ultimate needs of the District to accommodate future developments beyond Meadowood. KJ has also completed a design for the replacement of Lift Station 1 to a future Schoolhouse Lift Station including improvements to a gravity main at Golf Club Drive and on Camino Del Rey; however, these improvements are not needed for expansion capacity and are proposed for a future later phase.

Also included in KJ's design contract is the environmental analysis of the project. The Lift Station 1 Replacement project was subject to the California Environmental Quality Act (CEQA) review and analysis as it met the definition of a "project" under Public Resources Code Section 21065 requiring discretionary approval by the District and because it could result in a significant effect on the environment. Projects under CEQA are evaluated in 20 environmental issue categories to determine whether the project's environmental impacts would be significant in any category.

Helix Environmental, a subconsultant to KJ, conducted the State required CEQA analysis and prepared an Initial Study/Mitigated Negative Declaration (IS/MND) which included a Mitigation Monitoring and Reporting Program (MMRP) (Exhibit A). This report analyzed the potentially significant environmental impacts of the project and how to avoid or mitigate those impacts. The analysis in this IS Checklist supported the conclusion that the project would not result in significant environmental impacts with the incorporation of mitigation measures. This study was not limited to just Phase 1 but also included later

phases such as the replacement of Lift Station 1 to a future Schoolhouse Lift Station and improvements to gravity mains (Golf Club Drive and Camino Del Rey).

The CEQA process also requires that the Draft IS/MND is released for a 30-Day Public Review. During this review period, individuals and agencies may submit comments on the adequacy of the environmental review. Comments are addressed and incorporated into the Final IS/MND, which is brought before the Board of Directors for review, approval and adoption by resolution.

DESCRIPTION

The Draft IS/MND was prepared for the District by Helix Environmental, a subconsultant to KJ, under the existing design contract for the Lift Station 1 Replacement Project in compliance with CEQA statutes and guidelines. The CEQA analysis was conducted for the Phase 1 improvements described in the background section as well as future phases such as the Lift Station 1 replacement to future Schoolhouse Lift Station and improvements to gravity mains. Adhering to CEQA guidelines, the District released the Draft IS/MND for 30-day Public Review on November 6, 2020 through December 5, 2020. The following provides a chronology of the IS/MND process:

- Contacted neighboring Native American Tribes (including the Pala Band of Mission Indians [Pala], the San Luis Rey Band of Mission Indians [San Luis Rey], the Rincon Band of Luiseno Indians [Rincon], and the Viejas Band of Kumeyaay Indians [Viejas] for consultation in October/November of 2020 as part of compliance with Assembly Bill 51. A meeting with San Luis Rey was held on November 5, 2018 and with Pala on October 28, 2020.
- Mailed Notices of Intent to Adopt an MND to 151 recipients on November 4, 2020 (nearby residents, municipalities, regulatory agencies, tribal communities, and other stakeholders).
- Submitted Draft IS/MND to State Clearinghouse on November 5, 2020.
- Advertised release of Draft IS/MND for public review in the Daily Journal (local news publication) November 6, 2020.
- Released IS/MND for public review November 6 through December 5, 2020. The Draft IS/MND was posted on the District's website.
- Received public comments from Caltrans and Dave Faldas (resident).
- Mailed response to comments on January 6, 2021 to both recipients with notification that the District Board is to consider adoption of IS/MND at the January 26, 2021 Board Meeting.

The IS/MND includes the MMRP. The MMRP lists the mitigation measures necessary to avoid or mitigate project impacts either in the design phase of the project, during construction and or during operations and maintenance of the facility. The complete MMRP can be found in Appendix G of the IS/MND. The following is a brief summary of the notable measures that are required for this project:

Summary of Notable Measures from the MMRP:

Required

1. Cultural Resources Monitoring: Qualified Archaeologist and Native American Monitor present during ground disturbance activities. Daily Logs and Final Monitoring Report Required. Work stops if cultural resources found during excavation for assessment by all parties. **(During Construction)**
2. Paleontological Material: Qualified Paleontologist required if fossils found for preservation. **(During Construction)**
3. Sewer System Management Plan for Lift Station and safety features ie. emergency generator and basin, monitoring protocol/contingency measures for leaks/spills. **(Before Construction)**
4. Construction Noise Reduction shall not exceed 75dBA (8 hr average) night work (1 h average) implement best management practices to reduce noise levels, notify nearby residence within 300 feet one week prior to construction activities and appeal process established for noise problem resolution. **(Before and Throughout Construction)**

5. Lift Station Operational Noise must be designed not exceed a daytime exterior one-hour noise level limit of 50 dBA LEQ or the nighttime exterior one-hour noise level limit of 45 dBA LEQ at the nearest property line. **(Before Construction)**
6. Fire prevention best management practices development and implementation. Project footprint minimal foliage and fire threat. **(Before Construction)**

Required but Avoidable

1. Nesting Bird Survey Pre Construction if removing vegetation from February 15 to August 31. **(Before Construction)**
2. Sensitive Bird Survey/Noise Attenuation Pre Construction if near sensitive habitat from January 14 to September 15. **(Before Construction)**

As mentioned in the chronology section, the District received two comment letters. One from Caltrans and the other from Dave Faldas (resident). The comments received from Caltrans were either requesting clarification on the project, requesting copies of plans, and or ensuring compliance with their requirements. The comments from the nearby resident requested clarification on logistics and improvements for future phases of the project (not Phase 1). All comments were addressed and a response to comments letter was sent to recipients on January 6, 2021. The IS/MND has been finalized and requires the Board's approval and adoption by resolution.

It is also worth noting and for clarification purposes that under the Board Action Options/Fiscal Impacts Section Option 1 bullet 2 proposes approving the Lift Station 1 Replacement Project. Although the project has been approved in our Five-Year Water CIP Plan, the project will also need to be approved with this proposed adoption of the IS/MND and MMRP. What the approval of the project means per CEQA in this case is that the decision by a public agency (District Board) commits the agency to a definite course of action in regard to the project (Section 15352). It does not mean that any plans/designs/contracts are fully approved, or funds committed.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Two: Asset Management. The increases in sewer flows expected with the addition of the Meadowood Development make it necessary to install several key sewer facilities to safely and reliably convey wastewater to the Oceanside outfall. Preparation and adoption of the IS/MND and MMRP is required by the State in order to move the project forward.

ENVIRONMENTAL

Lift Station I Replacement Project is subject to CEQA review because the proposed project fits into the definition of a "project" under Public Resources Code Section 21065 requiring discretionary approval by the District and because it could result in a significant effect on the environment. The IS Checklist was prepared to determine the appropriate environmental document to satisfy CEQA requirements: an Environmental Impact Report, an MND, or a Negative Declaration. The analysis in this IS Checklist supports the conclusion that the project would not result in significant environmental impacts with the incorporation of mitigation measures; therefore, an MND has been prepared.

BOARD OPTIONS/FISCAL IMPACTS

The current contract with KJ covers the cost of the preparation of the IS/MND. Adequate funds are available and were budgeted in the Five-Year Wastewater CIP Plan for project number 530001.

- 1) Option 1:
 - Adopt Resolution 21-02 for the Lift Station 1 Replacement Project IS/MND and MMRP (included as Appendix G of the IS/MND)
 - Approve the Lift Station 1 Replacement Project

- Approve Filing the Notice of Determination for the IS/MND
- 2) Option 2:
- Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.



Chad Williams
Acting District Engineer

1/26/2021

RESOLUTION NO. 21-02

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RAINBOW MUNICIPAL WATER DISTRICT
APPROVING THE INITIAL STUDY / MITIGATED NEGATIVE DECLARATION AND
MITIGATION MONITORING AND REPORTING PROGRAM UNDER THE CALIFORNIA
ENVIRONMENTAL QUALITY ACT FOR LIFT STATION NO. 1 REPLACEMENT PROJECT**

WHEREAS, Rainbow Municipal Water District (District) intends to implement the Lift Station No. 1 Replacement Project (Project). The project consists of several phases to accommodate wastewater flows from new and future development. Phase 1 includes Thoroughbred Lift Station, Force Main from Thoroughbred Lift Station to Old River Road, Olive Hill Road Gravity Main, and upsize of existing sewer line along Highway 76. Future phases include replacement of Lift Station 1 to a future Schoolhouse Lift Station and improvements to the gravity main at Golf Club Drive and Camino Del Rey; and

WHEREAS, District staff determined that the Project is considered a “Project” pursuant to the requirements of the California Environmental Quality Act (“CEQA”) and required the preparation of an Initial Study (“IS”) to determine possible environmental impacts; and

WHEREAS, on the basis of the IS, which indicated that all potential environmental impacts from the Project would be less than significant or could be mitigated to a level of insignificance with the incorporation of the mitigation measures in the Mitigation Monitoring and Reporting Program (“MMRP”), District staff determined that a Mitigated Negative Declaration (“MND”) should be prepared for the Project; and

WHEREAS, the IS/MND was prepared pursuant to CEQA and the State CEQA Guidelines; and

WHEREAS, District made the Draft IS/MND available to the public and stakeholders to review and comment for 30 days from November 6, 2020 through December 5, 2020 by (1) filing a Notice of Intent to Adopt a MND with the State Clearinghouse on November 6, 2020; (2) placing a NOI with a local newspaper of General Circulation, the Daily Journal, on November 6, 2020; (3) posting the NOI on the District’s website on November 6, 2020; (4) mailing the NOI to various interested parties, agencies and residents around the project footprint; and (5) and posting the NOI and the Draft IS/MND on the District’s website (www.rainbowmwd.com); and

WHEREAS, District received comments from one resident and one agency and responded to the comments; and

WHEREAS, the Board of Directors have reviewed the Final IS/MND that includes the MMRP and relevant information contained in the record regarding the Project and that all legal prerequisites to the adoption of the resolution have been followed.

NOW, THEREFORE, IT IS HEREBY RESOLVED, DETERMINED AND ORDERED, by the Board of Directors of the Rainbow Municipal Water District as follows:

1. Finds that the Final IS/MND which includes the MMRP is a complete and accurate reporting of the environmental impacts associated with the Project and has been completed in compliance with CEQA and State CEQA Guidelines; and

2. That the Final IS/MND finds that all environmental impacts of the Project are either insignificant or can be mitigated to a level of insignificance pursuant to the mitigation measures outlines in the Final IS/MND and MMRP. No new significant environmental effects have been identified in the Final IS/MND and any changes to the Final IS/MND in response to comments or otherwise do not constitute substantial revisions requiring recirculation under State CEQA Guidelines section 15073.5.
3. The Board of Directors hereby approves and adopts the MND pursuant to Public Resources Code Section 21080, subdivision (c)(2). Pursuant to Public Resources Code section 21081.6, the Board of Directors approves and adopts the MMRP (Appendix G) of the Final IS/MND prepared for the project and attached to this Resolution as Exhibit "A".
4. The Board of Directors hereby approves the Project as described in the Final IS/MND.
5. The Board of Directors directs staff to file a Notice of Determination with the County of San Diego.

PASSED AND ADOPTED at a meeting of the Board of Directors of the Rainbow Municipal Water District held on the 26th day of January 2021 by the following vote, to wit:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____, Board President

ATTEST:

Dawn M. Washburn, Board Secretary

Rainbow Municipal Water District Lift Station No. 1 Replacement Project

Final
Initial Study and
Mitigated Negative Declaration

State Clearinghouse No. 2020110091

Prepared for:



Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

Prepared by:

HELIX Environmental Planning, Inc.
7578 El Cajon Boulevard, Suite 200
La Mesa, CA 91942

January 2021 | KJC-19

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FOREWORD

A Draft Initial Study/Mitigated Negative Declaration (IS/MND) for the Rainbow Municipal Water District (District) Lift Station No. 1 Replacement Project (project) was prepared and circulated for a 30-day public review beginning November 6, 2020 and closed on December 5, 2020 (SCH No. 20200110091). All written comments received on the Draft IS/MND during the public review period, responses to the comments, and any revisions to the Draft IS/MND have been incorporated into this Final IS/MND. The Notice of Intent to Adopt the Negative Declaration and proof of publication in a local newspaper are included in Appendix E.

This Final IS/MND has been prepared in accordance with the requirements of the California Environmental Quality Act (CEQA) and the CEQA guidelines. The purpose of the Final IS/MND is to provide the decision-making body, in this case the District, public and quasi-public agencies and groups, and the general public environmental impact information relative to the proposed project. The District will consider the information contained in this Final IS/MND prior to approving the project.

The Final IS/MND includes the Draft IS/MND, Technical Appendices, and copies of each public letter commenting on the Draft IS/MND and the District's responses thereto. Public comments and the District's responses are included in Appendix F of the Final IS/MND. Each public comment is assigned a comment number that corresponds to a response number.

Where changes have been made to the Final IS/MND as a result of clarifications, such revision is indicated in the Final IS/MND using ~~strikeout~~/underline text. No minor revisions or clarifications were necessary in response to public comment. Clarifications were made in Sections 2.10 and 3.18 to provide additional information with regard to coordination with California Native American Tribes.

No new information has been presented in the Final IS/MND that would require recirculation of the Draft IS/MND pursuant to CEQA Guidelines Section 15088.5(a). Specifically, no new significant environmental impacts would result from the project or from new mitigation measures proposed for implementation. No information was added to the Final IS/MND that would result in a substantial increase in the severity of an environmental impact unless mitigation measures are adopted that reduce the impact to a level of insignificance. No new mitigation measures considerably different from others previously analyzed would lessen the severity of an environmental impact. Finally, the Draft IS/MND included adequate information for a meaningful public review and comment.

The Final IS/MND also includes the Mitigation, Monitoring, and Reporting Program, appended to this document as Appendix G.

1.0 INTRODUCTION

This Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared in accordance with relevant provisions of the California Environmental Quality Act (CEQA) of 1970, as amended, and the CEQA Guidelines, as revised. This IS/MND evaluates the environmental effects of the Lift Station No. 1 Replacement Project (proposed project). The project site is located within the Rainbow Municipal Water District (District) service area) near the center of the unincorporated community of Bonsall in the County of San Diego. The District is the lead agency for the proposed project. The IS/MND includes the following components:

- A Draft MND and the formal findings made by the District that the project would not result in significant effects on the environment, as identified in the IS Checklist.
- A detailed Project Description.
- The CEQA IS Checklist, which provides standards to evaluate the potential for significant environmental impacts from the proposed project, is adapted from Appendix G of the CEQA Guidelines. The project is evaluated in 20 environmental issue categories to determine whether the project’s environmental impacts would be significant in any category. Brief discussions are provided that further substantiate the project’s anticipated environmental impacts in each category.

Because the proposed project fits into the definition of a “project” under Public Resources Code Section 21065 requiring discretionary approval by the District and because it could result in a significant effect on the environment, the project is subject to CEQA review. The IS Checklist was prepared to determine the appropriate environmental document to satisfy CEQA requirements: an Environmental Impact Report, an MND, or a Negative Declaration. The analysis in this IS Checklist supports the conclusion that the project would not result in significant environmental impacts with the incorporation of mitigation measures; therefore, an MND has been prepared.

This IS/MND will be circulated for 30 days for public and agency review, during which time individuals and agencies may submit comments on the adequacy of the environmental review. Following the public review period, the District will consider any comments received on the IS/MND when deciding whether to adopt the MND.

2.0 PROJECT DESCRIPTION

2.1 Project

Lift Station No. 1 Replacement Project

2.2 Lead Agency

Rainbow Municipal Water District

2.3 Contact Person and Phone

Malik Tamimi, Engineering Project Manager
Rainbow Municipal Water District
(760) 728-1178 ext. 173

2.4 Project Location

The proposed project is generally located in the unincorporated community of Bonsall, west of Interstate 15 and approximately 12 miles inland from the Pacific Ocean in northwest San Diego County, California (Figure 1, *Regional Location*). More specifically, the project alignment is located along Old River Road, Golf Club Drive, Camino Del Rey, and a segment of State Route (SR) 76 from where it intersects with Camino Del Rey/Olive Hill Road to approximately 0.25 mile north of where it meets South Mission Road (Figure 2, *Project Alignment*).

2.5 General Plan Designations

Public Agency Lands, Public/Semi-Public Facilities, General Commercial, Village Residential (VR-7.3), Semi-Rural Residential (SR-10), Rural Lands (RL-40), Public Agency Lands, and Open Space (Recreational).

2.6 Zoning

Commercial and Office, Open Space, Agricultural, Rural Residential, Residential - Variable

2.7 Project Description

Background

The District provides water distribution and wastewater collection to the unincorporated communities of Rainbow and Bonsall, and portions of Pala, Fallbrook and the city of Vista in northern inland San Diego County. The District service area, which covers approximately 82 square miles, is responsible for providing sewer service to approximately 2,500 households and businesses within its service area mainly along the SR 76 corridor. The District's service area comprises a primarily gravity flow system of collection pipes, six lift stations, and 10.5 miles of transmission main. All wastewater collected within the District is transmitted to the San Luis Rey Wastewater Treatment Plant (SLRWTP), which is owned and operated by the City of Oceanside and located at 3950 North River Road in Oceanside, CA. The District owns, through contract with the City of Oceanside, capacity to treat 1.5 million gallons of sewage per day at the SLRWTP. The District does not currently provide its own wastewater treatment of any kind; however, the District maintains the pipelines and pumping equipment within the District to the connection (outfall) to the City of Oceanside.

The proposed project would involve improvements to facilities associated with the District's existing Lift Station No. 1 (LS1) (Figure 2). LS1 would be retained in place and protected during construction of adjacent facilities. The proposed project includes two new lift stations (Thoroughbred LS and Schoolhouse LS), and the installation of seven segments of new sewer main to replace existing sewer main; each of these project components is described further below, following a brief description of the District's existing facilities associated with LS1.

Existing Facilities

LS1 is located along Old River Road near the intersection with Golf Club Drive in the unincorporated community of Bonsall (Figure 2). LS1 is fed by two existing primary gravity sewer lines: the Northwest (LS1-NW) Interceptor and the Northeast (LS1-NE) Interceptor. The LS1-NW Interceptor lies along SR 76, where multiple sewer lines collect to it. The LS1-NW Interceptor then turns southeast and flows parallel to Camino Del Rey under the San Luis Rey River (River) through an inverted siphon, then along, but to the west of, Old River Road in the vicinity of Bonsall Elementary School to Moosa Creek where it meets and combines with the LS1-NE Interceptor. The LS1-NE Interceptor runs through the old San Luis Rey Downs Golf Course east of Bonsall Elementary School before combining with LS1-NW just west of Old River Road.

Once the two interceptors combine, the flows pass below Moosa Creek by gravity to the existing LS1. LS1 pumps through a relatively short force main, which discharges into a gravity sewer line located in Old River Road. Flows then travel almost 7,500 feet in a southwesterly direction to the District's existing Lift Station 2 (LS2) (Figure 2).

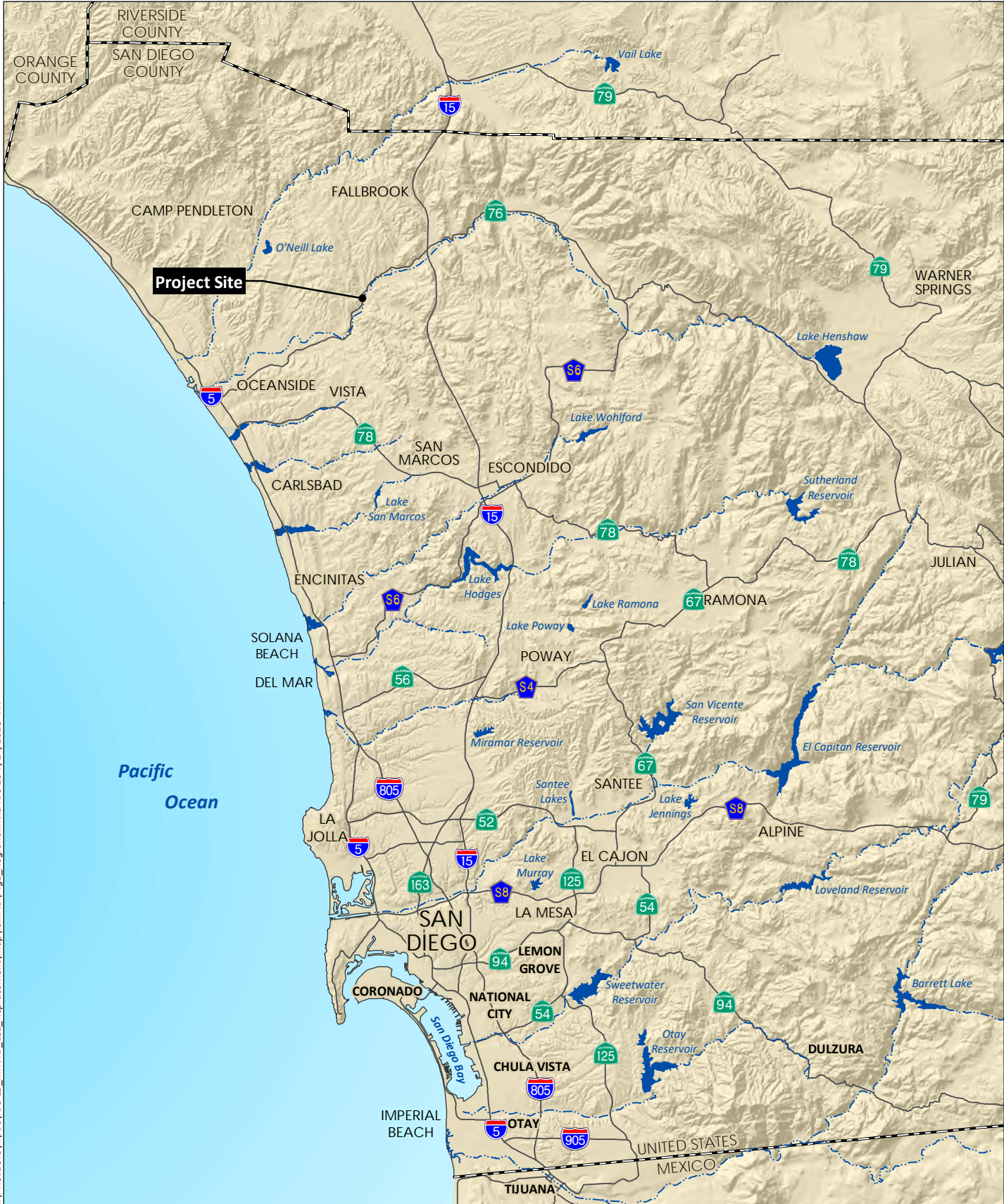
Proposed Project

The existing LS1 and associated sewer system is undersized for current and predicted future flows which, in combination with its current condition, requires replacement. To address the capacity problem and avoid the installation of a replacement inverted siphon across the River, the District proposes to split the flows associated with existing LS1 into two new lift stations—one for each of the two primary interceptors (LS1-NW and LS1-NE) described above. This would be accomplished by constructing two new lift stations, one on each side of the River: Thoroughbred LS on the northwest side and Schoolhouse LS on the southeast side (Figure 2). Each lift station would provide partial replacement of existing LS1. Following implementation of Phase 1 of the proposed project (described in detail below), the combination of Thoroughbred LS and Schoolhouse LS would fully replace existing LS1.

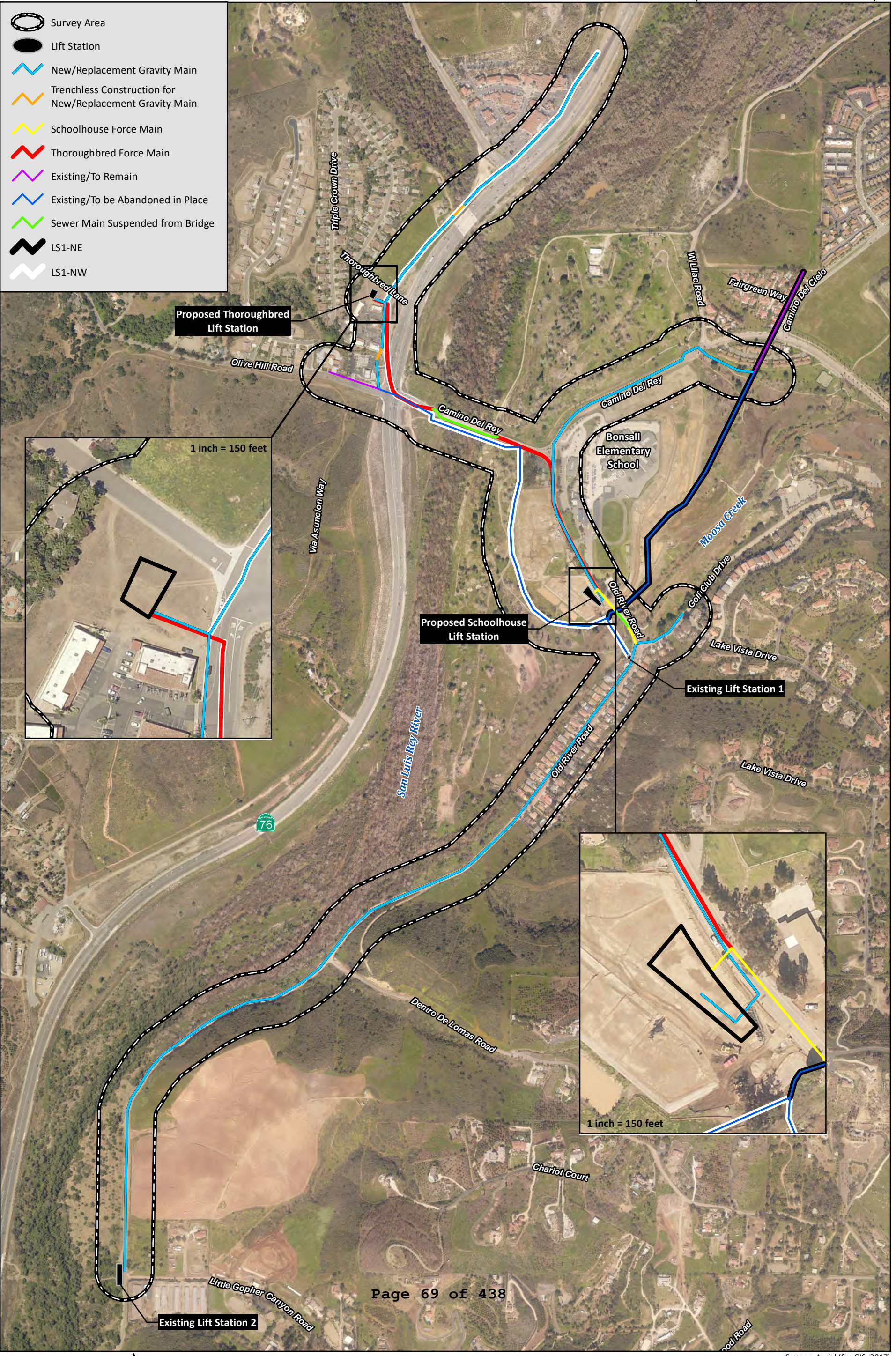
Thoroughbred Lift Station

Thoroughbred LS would be installed within Assessor's Parcel Number (APN) 126-452-01-00, which is located at the southwestern corner of the intersection of SR 76 and Thoroughbred Lane (Figure 2). Thoroughbred LS is designed with a rated capacity of approximately 2,000 gallons per minute (gpm) and includes the following primary components:

- Four (two duty and two standby) 50-horsepower (HP) submersible wastewater pumps housed in an acoustic enclosure inside the lift station structure;
- Two 10-foot diameter precast concrete wet wells;
- One approximately 400,000-gallon emergency/operational storage basin;
- One 175-kilowatt (kW) standby generator, housed in a building; and
- A 6-foot concrete masonry unit (CMU) wall to fully enclose the site.



Source: Base Map Layers (SanGIS, 2016)



I:\PROJECTS\KVC\KVC-19_RMWD_LSI_Replacement\Map\SMND\Fig2_ProjectAlignment.mxd KVC-19 7/8/2020 - SAB

Source: Aerial (SanGIS, 2017)

Schoolhouse Lift Station

Schoolhouse LS would be installed within Lot 25 of the new Golf Green Estates Development along Old River Road (Figure 2). Schoolhouse LS is designed with a rated capacity of approximately 550 gpm and includes the following primary components:

- Two (one duty and one standby) 10-HP submersible wastewater pumps;
- One 12-foot diameter precast concrete wet well;
- One approximately 100,000-gallon emergency storage basin;
- One 50-kW standby generator, housed in an acoustic enclosure and surrounded by a sound attenuating wall; and
- An existing 6-foot concrete masonry unit (CMU) wall currently surrounds half of the site; the proposed project would complete the wall to fully enclose the site.

New/Replacement Sewer Mains

The project would install a total of approximately 21,000 linear feet (LF) of new sewer/force main to replace existing pipelines of a similar length. New pipelines would be installed within roadways and existing trenches as much as possible. Details of each new/replacement sewer/force main are as follows:

- LS2 Gravity Main. Approximately 7,800 LF of new 20- to 21-inch polyvinyl chloride (PVC) would parallel the existing LS2 gravity main that runs southwest towards LS2 along Old River Road. The replacement LS2 Gravity Main would be installed in Old River Road.
- Golf Club Drive Gravity Main. The existing 6-inch and 8-inch sewer main along Golf Club Drive near the intersection with Old River Road would be replaced with approximately 500 LF of new 8-inch PVC gravity main in the same trench, where possible, within Golf Club Drive. The replacement Golf Club Drive Gravity Main would convey wastewater from residences to a new manhole where the new Thoroughbred Force Main would also discharge.
- Schoolhouse Force Main. A force main of approximately 650 LF of new 6- to 14-inch PVC and ductile iron (DI) would be installed in a northeasterly direction from the proposed Schoolhouse LS location to a trench in Old River Road where it would discharge into a new manhole at the upstream end of the LS2 Gravity Main to convey the wastewater to LS2. The Schoolhouse Force Main would be attached to the side of the bridge where Old River Road crosses Moosa Creek. The 6-inch force main would combine with the 12-inch Thoroughbred Force Main after entering the street (Old River Road) and become a 14-inch combined force main.
- LS1-NE Gravity Main. Approximately 3,900 LF of 14-inch PVC would be installed along Camino Del Rey and Old River Road from a point of diversion of the existing LS1-NE Interceptor on the north end of the old San Luis Rey Downs Golf Course to the proposed Schoolhouse LS. This new gravity main alignment would replace the existing LS1-NE to the south of the point of diversion.

Once the replacement LS1-NE is operational, the existing LS1-NE alignment that runs east of the school would be disconnected and abandoned in place.

- Thoroughbred Force Main. A force main of approximately 3,700 LF of new 10- to 12-inch PVC and DI would be installed from the Thoroughbred LS to where it would combine with the Schoolhouse Force Main near Schoolhouse LS and become a 14-inch combined force main in Old River Road, prior to discharging into the manhole at the junction of Golf Club Drive and Old River Road. The force main would convey wastewater in a southerly direction to just west of SR 76, then in a southeasterly direction along Camino Del Rey. The Thoroughbred Force Main would be installed using trenchless methods (e.g., slip lining, cured-in-place pipe lining, or other trenchless methods) where it would cross the intersection of Olive Hill Road/Camino Del Rey and SR 76. The Thoroughbred Force Main would be attached to the side of the bridge where Camino Del Rey crosses the River, and then would continue in a southerly direction within Old River Road.
- Olive Hill Gravity Main. The existing 8-inch sewer main along Olive Hill Road connects to the LS1-NW interceptor at the intersection of Olive Hill Road/Camino Del Rey and SR 76. The Olive Hill Gravity Main would be rerouted prior to connecting to the LS1-NW interceptor and would convey wastewater in a northerly direction just west of and parallel to SR 76 to the Thoroughbred LS. Approximately 1,000 LF of new 8-inch PVC gravity main would be installed. The gravity main would include a trenchless crossing (e.g., microtunneling, open shield tunneling, or other trenchless methods) under an existing concrete storm channel.
- LS1-NW Gravity Main. Approximately 3,000 LF of 18-inch PVC would be installed along a segment of SR 76 from the proposed Thoroughbred LS to approximately 0.25 mile north of South Mission Road. This new gravity main alignment would replace the existing 12-inch LS1-NW pipeline to the north of the Thoroughbred Lane, and the existing LS1-NW south of Thoroughbred Lane to and east of Olive Hill Road would be abandoned in place. The gravity main would include a trenchless crossing (e.g., microtunneling, open shield tunneling, or other trenchless methods) under Ostrich Farms Creek, approximately 550 feet south of South Mission Road.

Construction Phasing

The project would be implemented in three phases. Phase 1 is anticipated to begin in August 2021 and construction would take approximately 12 months. Phase 1 would include construction of the Thoroughbred LS, installation of the Thoroughbred Force Main from the Thoroughbred LS to the existing manhole that the LS1 Force Main currently discharges to, the installation of the replacement LS1-NW gravity main north of the Thoroughbred LS, and the installation of the new gravity main from Olive Hill Road to Thoroughbred LS.

Phase 2 would include installing a new parallel gravity main alongside the existing LS2 gravity main and replacing the Golf Club Drive gravity sewer mains south of Moosa Creek.

Phase 3 would include the construction of the Schoolhouse LS, installation of the Schoolhouse Force Main from the Schoolhouse LS to the intersection with the Thoroughbred Force Main in Old River Road, and installation of the replacement LS1-NW gravity main. After both the Thoroughbred LS and the Schoolhouse LS are fully operational, the existing LS1 would be removed from service and demolished.

Project Design Features

The proposed project includes a number of design features that have been built into the project to avoid or minimize environmental impacts. The District is responsible for working with the construction contractor to ensure each project design feature is implemented and carried out at the appropriate time. The following features were assumed in the analysis:

Air Quality

- To reduce the effects to sensitive receptors, the project would comply with all applicable San Diego Air Pollution Control District (SDAPCD) Rules and Regulations, including Rule 55 related to fugitive dust emissions during construction, as a matter of project design. Rule 55 requires the following:
 1. No person shall engage in construction or demolition activity in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period; and
 2. Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall be minimized by the use of any of the equally effective trackout/carry-out and erosion control measures listed in Rule 55 that apply to the project or operation. These measures include: track-out grates or gravel beds at each egress point; wheel-washing at each egress during muddy conditions; soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; watering for dust control; and using secured tarps or cargo covering, watering, or treating of transported material for outbound transport trucks. Erosion control measures must be removed at the conclusion of each workday when active operations cease, or every 24 hours for continuous operations.
- Diesel emissions control measures would be implemented during project construction as a matter of project design; such measures require the construction fleet to use any combination of diesel catalytic converters, diesel oxidation catalysts, diesel particulate filters and utilize California Air Resources Board (CARB)/U.S. Environmental Protection Agency (USEPA) Engine Certification Tier 3, or other equivalent methods approved by CARB.

Biological Resources

- As a matter of project design and following installation of the LS1-NE main, the trenched area at the northeastern end of the alignment (off Camino del Rey in the former golf course) would be returned to its pre-impact contours and revegetated with a native seed mix appropriate to the surrounding area.
- Where the proposed alignment crosses Moosa Creek and the San Luis Rey River, new sewer main would be suspended from existing bridges. In the northern portion of the alignment, sewer main would be installed across drainages between Olive Hill Road and the Thoroughbred LS and between the Thoroughbred LS and South Mission Road using trenchless methods (e.g., microtunneling, open shield tunneling, or other trenchless methods). Launching and receiving pits for trenchless methods would be dug in disturbed areas within the ROW. By

implementing this precaution as a matter of project design, impacts to non-wetland waters of the U.S. or waters of the State would be avoided.

- Impacts to non-wetland waters (seasonal drainage channels and streambed) along Old River Road would be avoided by employing construction fencing and flagging where the waters meet Old River Road (as shown on Figures 5 and 6 of the project Biological Resources Letter Report [BLR]). By implementing this precaution as a matter of project design, impacts to non-wetland waters of the U.S. or waters of the State would be avoided.
- Impacts to sensitive vegetation communities would be avoided by employing construction fencing and flagging where such communities occur adjacent to the impact area (as shown on Figures 7a through 7d of the project BLR). By implementing this precaution as a matter of project design, impacts to sensitive vegetation communities would be avoided.

Hazards and Hazardous Materials

- As a matter of project design, the construction contractor would be required to prepare and comply with a traffic control plan which would include measures to minimize effects related to lane closures and ensure safe passage of evacuees or emergency response vehicles.

Hydrology and Water Quality

- A Storm Water Pollution Prevention Plan (SWPPP) would be prepared and implemented by the District and construction contractor. The SWPPP would include specific best management practices (BMPs) to avoid or reduce potential impacts related to the use and potential discharge of construction-related hazardous materials.
- During project construction, site design, source control, and treatment control BMPs would be implemented to prevent construction-related runoff (containing sediments, oil and grease, etc.) from entering the existing storm drain system. BMPs usually include a variety of measures to prevent discharge from entering the storm drain system, such as sandbags, silt fences, or tarps blocking the drains.
- BMPs prescribed in the SWPPP also would minimize on- and off-site erosion and drainage alteration impacts through implementation of temporary sediment control measures.
- Roadways would be returned to their original elevation and contours following completion of construction, thereby returning the storm drain collection system to its original state.

Transportation and Traffic

- The construction contractor would be required to prepare and implement a construction traffic control plan as a matter of project design to avoid significant construction-related impacts to nearby streets and intersections. The traffic control plan should include ingress and egress to and from the project site, as well as designated haul routes and use of flag persons.
- Trenchless methods (e.g., slip lining, cured-in-place pipe lining, or other trenchless methods) would be used to install sewer main below the intersection of Camino Del Rey and SR 76.

2.8 Surrounding Land Uses and Project Setting

The location of the proposed project is within the unincorporated community of Bonsall. Bonsall is a rural community in the foothills of the Peninsular Mountain Range in northern San Diego County. Local topography is characterized by hills, valleys, and the River corridor adjacent to SR 76. Development in the area is predominantly low density, estate-type residential, with commercial activity centered in the Mission Road/Olive Hill Road and SR 76 area. The Bonsall Elementary School is located east of the intersection of Old River Road and Camino Del Rey. Land uses in the area also include agriculture and equestrian facilities.

As described above and shown on Figure 2, the proposed project involves improvements to sewer facilities located along SR 76, Camino Del Rey, Old River Road, and Golf Club Drive. The existing LS2 is located at the intersection of Old River Road and Little Gopher Canyon Road. The project proposes replacement of existing gravity main from LS2 to Golf Club Drive within the right-of way of Old River Road, which is surrounded by open space and agricultural land uses. Approximately 0.4 mile north of where Old River Road passes Dentro De Lomas Road, Old River Road bisects small residential subdivision as it approaches Golf Club Drive. Old River Road then turns 90 degrees northwest and continues towards Camino Del Rey. Disturbed land west of Old River Road in this area contains the site for the proposed Schoolhouse LS and an area where a future residential development is currently under construction (Golf Green Estates). On the east side of Old River Road across from the proposed Schoolhouse LS site is the North County Fire Protection District Station 5, and further north is the Bonsall Elementary School campus. Land that was formerly the San Luis Rey Downs golf course is located throughout the northeastern portion of the project area.

From Old River Road, Camino Del Rey crosses the River and connects to SR 76 at a signalized intersection. There is a gas station and a commercial/retail center near the site for the proposed Thoroughbred LS at the northeastern corner of this intersection between where Olive Hill Road continues westward and where Thoroughbred Lane intersects SR 76. A small residential development of approximately 80 homes lies to the west of SR 76, northwest of the proposed Thoroughbred LS and roughly 285 feet from the proposed replacement gravity main.

2.9 Other Required Agency Approvals

The District is both the project proponent and the Lead Agency under CEQA. In its role as Lead Agency, the District is responsible for ensuring the adequacy of this IS/MND. Internal review and approvals would be handled by District staff.

Encroachment permits from the County of San Diego and the California Department of Transportation (Caltrans) would be required for work within roadway and bridge rights-of-way.

2.10 Consultation with California Native American Tribes Traditionally and Culturally Affiliated with the Project Area Pursuant to Public Resources Code Section (PRC) 21080.3.1

In August of 2016, 28 local tribal groups and individuals were contacted based on recommendations from the Native American Heritage Commission (NAHC). A record search of the Sacred Lands file held by the NAHC returned with negative results.

Four tribes (the Pala Band of Mission Indians [Pala], the San Luis Rey Band of Mission Indians [San Luis Rey], the Rincon Band of Luiseño ~~Luiseno~~ Indians [Rincon], and the Viejas Band of Kumeyaay Indians [Viejas]) responded indicating that the project may be within their Traditional Use Areas and/or requested that the District include them in further correspondence about the project. ~~The Viejas Tribe requested that a Kumeyaay cultural monitor, and the San Luis Rey Band Tribe requested that a Luiseño Native American cultural monitor be present during ground disturbing activities.~~

~~A formal consultation meeting with the San Luis Rey Tribe of Mission Indians was held on November 5, 2018, and with the Pala Tribe on October 28, 2020, during which District staff provided an overview of the proposed project and discussed mitigation measures. Staff also indicated that this IS/MND requires that a Native American monitor shall be present during construction of the project as indicated by mitigation measure CUL-1. The District has also initiated consultation extended meeting invitations to with the Rincon Band of Mission Indians, La Jolla Band of Luiseño Indians, San Pasqual Band of Diegueño Mission Indians, and the Pauma Band of Luiseño Indians. In correspondence with the District, Rincon indicated agreement with the mitigation measures in this IS/MND. No response to the meeting invitation was received from the remaining tribes.~~

A summary of the environmental factors potentially affected by this project, consisting of Potentially Significant Impact Unless Mitigated, include:

- | | | |
|---|---|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Agriculture & Forestry Resources | <input checked="" type="checkbox"/> Hazards/Hazardous Materials | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Land Use & Planning | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Mineral Resources | <input checked="" type="checkbox"/> Utilities/Service Systems |
| <input type="checkbox"/> Energy | <input checked="" type="checkbox"/> Noise | <input checked="" type="checkbox"/> Wildfire |
| <input type="checkbox"/> Geology/Soils | <input type="checkbox"/> Population & Housing | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

3.0 ENVIRONMENTAL CHECKLIST

This section analyzes the potential environmental impacts which may result from the proposed project. For the evaluation of potential impacts, the questions in the Initial Study Checklist are stated and answers are provided according to the analysis undertaken as part of the Initial Study. The analysis considers the project’s short-term impacts (i.e., construction-related), and its operational or day-to-day impacts. For each question, there are four possible responses. They include:

1. **No Impact.** Future development arising from the project’s implementation will not have any measurable environmental impact on the environment and no additional analysis is required.
2. **Less Than Significant Impact.** The development associated with project implementation will have the potential to impact the environment; these impacts, however, will be less than the levels or thresholds that are considered significant, and no additional analysis is required.
3. **Potentially Significant Unless Mitigated.** The development will have the potential to generate impacts which may be considered as a significant effect on the environment, although mitigation measures or changes to the project’s physical or operational characteristics can reduce these impacts to levels that are less than significant.
4. **Potentially Significant Impact.** Future implementation will have impacts that are considered significant, and additional analysis is required to identify mitigation measures that could reduce these impacts to less than significant levels.

3.1 Aesthetics

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a. **Have a substantial adverse effect on a scenic vista? Less Than Significant Impact.** The San Marcos Mountains, located approximately five miles southeast of the proposed project, are an important

visual landmark for the community of Bonsall (County of San Diego [County] 2011a). Old River Road is a County-designated scenic road for the rural mountain views it provides (County 2011b). Additionally, the River and Moosa Creek are considered valuable visual resources for the scenic riparian woodland habitat that they support (County 2011b). Although the project area contains numerous visual resources, project-related effects on scenic vistas would be both minimal and temporary as they would only occur during construction. Upon completion of construction, the proposed pipelines would be underground and would have no impact on scenic vistas. The proposed lift stations would be small above-ground structures located near existing residential and commercial structures. The proposed lift stations would not obstruct views; therefore, the proposed project would result in less than significant impacts to scenic vistas.

- b. *Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?* **No Impact.** SR 76 is listed as an Eligible State Scenic Highway—Not Officially Designated on the California Scenic Highway Mapping System website (Caltrans 2016). As described above in Response 3.1a, there are numerous scenic resources within the project area; however, impacts to visual resources would be minimal and temporary and confined to construction activities. Additionally, the majority of the proposed project would be placed underground within the ROW of non-highway roads. The proposed lift stations would be small above-ground structures immediately adjacent to an area planned for residential development (Schoolhouse LS) and an area of existing residential and commercial development (Thoroughbred LS). Implementation of the proposed project would not damage surrounding trees or rock outcroppings. The proposed project would have no impact on scenic resources within a State-designated scenic highway.
- c. *In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?* **Less Than Significant Impact.** The existing visual quality of the site is considered high due to the scenic rural landscape. During the construction period, the presence of construction vehicles, equipment, and staging area(s) would result in short-term visual effects to the project site and its surroundings. Due to the short-term nature of these potential effects, however, impacts related to existing visual character or quality of the site and surrounding areas would be less than significant during construction. Upon project completion, all materials associated with construction would be removed and the roads and surrounding areas would be restored to their original condition. As stated under 3.1a above, the proposed lift stations would be small above-ground structures adjacent to existing and planned development and would not degrade visual character or quality of public views of the site and its surroundings. Therefore, impacts related to existing visual character or quality of the site and surrounding areas would remain less than significant upon project completion.
- d. *Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?* **Less Than Significant Impact.** The proposed project involves underground pipelines that would not be visible and would not require any associated lighting. The proposed lift stations would be small above-ground structures, and any associated security lighting would be shielded and aimed downward so as not to shine or produce glare for adjacent street traffic or surrounding land uses. Project construction would primarily occur during daylight hours, during which time no lighting would be required. Night work may be required to minimize effects on motorized traffic for some

segments of the proposed project, which would require appropriate lighting; however, this would be a temporary impact and, therefore, would be less than significant.

3.2 Agriculture and Forestry Resources

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as depicted on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Conflict with existing zoning for agricultural use, or a Williamson Act Contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as depicted on maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency?* **No Impact.** Designated land uses within the project area do include agricultural uses (CDC 2012); however, project implementation would not result in conversion of existing farmland to non-agricultural uses. Therefore, the project would not affect an agricultural resource area and would have no impacts to designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.
- b. *Conflict with existing zoning for agricultural use, or a Williamson Act Contract?* **No Impact.** There are no Williamson Act Contracts in the project area (CDC 2013). Implementation of the project would involve improvements to sewer facilities such as underground pipelines and would not result in conflicts with existing zoning for agricultural use. No associated impacts would occur.
- c. *Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?* **No Impact.** The project site is not designated or zoned for forest land, timberland, or timberland zoned Timberland Production. Therefore, implementation of the project would not conflict with existing zoning for such lands, and no impact would occur.

- d. *Result in the loss of forest land or conversion of forest land to non-forest use?* **No Impact.** As previously stated, the project site is not located in an area designated as forest land. Accordingly, project implementation would not convert forest land to non-forest use, and no impact would occur.
- e. *Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?* **No Impact.** There are no agricultural operations or timberland production operations within the project site or vicinity. The project does not propose changes that could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use. No impact would occur.

3.3 Air Quality

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following discussion is based on air emissions calculations and modeling prepared by HELIX Environmental Planning, Inc. (HELIX 2020a). The output worksheets are included as Appendix A to this IS/MND.

- a. *Conflict with or obstruct implementation of the applicable air quality plan?* **No Impact.** The SDAPCD is the government agency that regulates sources of air pollution within the County. Currently, the San Diego Air Basin is in “non-attainment” status for criteria pollutants ozone (O₃), 10-micron or less particulate matter (PM₁₀), and 2.5-micron or less particulate matter (PM_{2.5}). The SDAPCD developed a Regional Air Quality Strategy (RAQS), the applicable air quality plan, to provide control measures to achieve attainment status for these criteria pollutants. The RAQS relies on information from the CARB and the San Diego Association of Governments (SANDAG), including mobile and area source emissions and information regarding projecting growth in the County, to project future emissions and then determine strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population and vehicle trends and land use plans developed by the cities and the County. Projects that propose development that are consistent with the growth anticipated by the general plans are therefore consistent with the RAQS.

The project would not result in a significant air quality impact from operational activity, as described further in Item 3.3b. Moreover, as discussed in Item 3.14a, under *Population and Housing*, the proposed project does not include growth-generating components. As such, the proposed project is consistent with the General Plan and would be consistent with the RAQS. No impact would occur.

- b. *Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? **Less Than Significant Impact.*** Air quality is defined by ambient air concentrations of six specific pollutants identified by the USEPA to be of concern with respect to health and welfare of the general public. These pollutants include ozone, carbon monoxide (CO), nitrogen dioxide, PM₁₀, PM_{2.5}, sulfur dioxide, and lead. The primary source of air pollutants generated by the proposed project would be emissions associated with temporary construction activities.

Construction

Construction of the proposed project would result in temporary increases in air pollutant and dust emissions generated primarily from construction equipment exhaust, earth disturbance/excavation, construction worker vehicle trips, and heavy-duty truck trips. Construction emissions were calculated using the South Coast Air Quality Control District's California Emissions Estimator Model (CalEEMod) emissions inventory model. Detailed construction emissions assumptions and CalEEMod inputs and outputs are provided in Appendix A.

Table 1, *Estimated Maximum Daily Construction Emissions*, provides a summary of the daily construction emission estimates by construction phase. The maximum daily emissions are provided for each individual phase, as well as a total amount of emissions that assumes that all three phases would overlap concurrently.

Screening thresholds established by the SDAPCD have been used based on SDAPCD Rules 20.2 and 20.3 Air Quality Impact Analysis (AQIA) trigger levels for new or modified stationary sources to determine significance for air emissions impacts. According to Rules 20.2 and 20.3, if these incremental levels are exceeded, an AQIA must be conducted to demonstrate that the project would not cause or contribute to a violation of an air quality standard. For CEQA purposes, these screening-level thresholds can be used to demonstrate that a project's emissions would not result in a significant impact to air quality. Because the AQIA thresholds do not address reactive organic gases (ROG), the screening-level for ROG used in this analysis has been adopted from the County's Guidelines for Determining Significance. For PM_{2.5}, the USEPA's "Final Clean Air Rule to Implement the Fine Particle National Ambient Air Quality Standards" recommends a significance threshold of 10 tons per year, which equates to 55 pounds per day. The screening level thresholds are included in Table 1.

Table 1
ESTIMATED MAXIMUM DAILY CONSTRUCTION EMISSIONS
(pounds/day)

Emission Source	ROG	NO_x	CO	SO_x	PM₁₀	PM_{2.5}
Phase 1	4	46	31	<1	6	3
Phase 2	4	46	31	<1	6	3
Phase 3	4	46	31	<1	6	3
Maximum Daily Emissions	12	140	94	<1	18	10
Screening Level Threshold	75	250	550	250	100	55
Exceeds Threshold?	No	No	No	No	No	No

Note: The results represent the maximum daily mitigated on- and off-site emissions for each phase, rounded to the nearest whole number (see Appendix A).

ROG = reactive organic gas; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter 10 microns or less in diameter; PM_{2.5} = particulate matter 2.5 microns or less in diameter

As shown in the table, none of the criteria pollutant emissions would exceed the respective screening thresholds. Thus, construction-related air quality impacts would be less than significant.

Sensitive receptors, including adjacent residents within the subdivisions along portions of Old River Road and Golf Club Drive, would be exposed to particulate matter (fugitive dust) emissions during the construction period. This would be a temporary construction impact, which would exist on a short-term basis during, and would cease upon completion of, construction. To reduce the effects to sensitive receptors, the project would comply with all applicable SDAPCD Rules and Regulations, including Rule 55 related to fugitive dust emissions, as a matter of project design. Rule 55 requires the following:

1. No person shall engage in construction or demolition activity in a manner that discharges visible dust emissions into the atmosphere beyond the property line for a period or periods aggregating more than 3 minutes in any 60-minute period; and
2. Visible roadway dust as a result of active operations, spillage from transport trucks, erosion, or track-out/carry-out shall be minimized by the use of any of the equally effective trackout/carry-out and erosion control measures listed in Rule 55 that apply to the project or operation. These measures include: track-out grates or gravel beds at each egress point; wheel-washing at each egress during muddy conditions; soil binders, chemical soil stabilizers, geotextiles, mulching, or seeding; watering for dust control; and using secured tarps or cargo covering, watering, or treating of transported material for outbound transport trucks. Erosion control measures must be removed at the conclusion of each work day when active operations cease, or every 24 hours for continuous operations.

Operations

Following the construction of the project, activities on site would be limited to routine maintenance of the operational wastewater facilities. The electricity usage of the lift station pumps is not expected to result in the generation of criteria air pollutants; it would, however, be expected to generate greenhouse gas (GHG) emissions (see Section 3.8).

The two standby generators at the two lift stations are assumed to run approximately 15 minutes per month for maintenance and testing purposes, as well as when normal power supply is lost. The

results of the CalEEMod calculations for project operations can be found in Appendix A. Criteria pollutant emissions would be less than one pound per day and would not exceed their respective screening thresholds. Thus, operations-related air quality impacts would be less than significant.

Based on the foregoing, criteria pollutant emissions impacts from project construction and operations would be less than significant.

- c. **Expose sensitive receptors to substantial pollutant concentrations? *Less Than Significant Impact.*** Sensitive populations (i.e., children, senior citizens, and acutely or chronically ill people) are more susceptible to the effects of air pollution than are the general population. Sensitive receptors along the project alignment include single-family residences, Bonsall Community Church, and Bonsall Elementary School. As discussed above in 3.3b, the project would not generate substantial concentrations of criteria pollutants. Diesel exhaust particulate matter would be emitted from heavy equipment used during project construction, however. Diesel exhaust particulate matter in California is known to contain carcinogenic compounds. The risks associated with carcinogenic effects are typically evaluated based on a lifetime of chronic exposure (i.e., 24 hours per day, 365 days per year for 70 years). Because emissions of diesel exhaust would be temporary and short-term, construction of the project would not result in long-term chronic lifetime exposure to diesel exhaust from heavy equipment. In addition, diesel emissions control measures would be implemented during project construction as project design features that would require the construction fleet to use any combination of diesel catalytic converters, diesel oxidation catalysts, diesel particulate filters CARB/USEPA Engine Certification Tier 3 equipment, or other equivalent methods approved by CARB. Therefore, air quality impacts related to the exposure of sensitive receptors to substantial pollutant concentrations would be less than significant.
- d. **Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? *Less Than Significant Impact.*** The proposed project would install replacement wastewater infrastructure components, a use that is not likely to generate nuisance odors, as all equipment but the proposed Schoolhouse LS and Thoroughbred LS would be located underground. Each proposed lift station would be equipped with an odor control system designed to neutralize hydrogen sulfide and other odors. Diesel exhaust from construction vehicles may create odors noticeable at residences adjacent to the project site; however, the diesel exhaust odors would be temporary, occurring for relatively short periods of time. Associated impacts would be less than significant.

3.4 Biological Resources

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

A BLR for the project was prepared by HELIX (2020b) to document the biological conditions within the project study area, identify the potential for sensitive resources to occur within the study area, and evaluate the potential for project impacts. The results and conclusions of the survey and report are summarized herein, and the report is included as Appendix B to this IS/MND.

- a. *Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?*
Potentially Significant Unless Mitigated.

Plant Species

Special-status plant species are those listed as federally threatened or endangered by the U.S. Fish and Wildlife Service (USFWS); State listed as threatened or endangered or considered sensitive by the California Department of Fish and Wildlife (CDFW); and/or, are California Native Plant Society (CNPS) List 1A, 1B, or 2 species, as recognized in the CNPS' Inventory of Rare and Endangered Vascular Plants of California and consistent with the CEQA Guidelines. A search of the USFWS, California Natural Diversity Database (CNDDB), and CNPS species records reported in the project vicinity did not result in any point records for sensitive plant species on or immediately adjacent to the project alignment. A total of 38 sensitive plant species reported in the project vicinity were analyzed for their potential to occur. Of these, only a single species was determined to have a high potential to occur within the study area: Robinson's peppergrass (*Lepidium virginicum* var. *robinsonii*), an herbaceous annual plant. No special status plant species were observed in the study area during the September 2014, July and August 2016, and October 2017 general biological surveys conducted for the project. A focused plant survey was conducted by HELIX in May 2020 for

San Diego Ambrosia (*Ambrosia pumila*). No plants were found. The majority of the project alignment is characterized by developed land within and immediately adjacent to Old River Road, Camino del Rey, and Golf Club Drive, and disturbed land associated with the former golf course. However, areas of Diegan coastal sage scrub, which is where Robinson's peppergrass tends to occur, are located on the east side of Old River Road adjacent to but outside of the alignment (i.e., outside of the project impact area; refer to BLR Figures 7a through 7d). No impacts to Diegan coastal sage scrub would occur as a result of the project; as such, significant impacts to sensitive plant species, specifically Robinson's peppergrass, would not occur.

Animal Species

Special-status animal species are those listed as threatened or endangered, proposed for listing, or candidates for listing by the USFWS and considered sensitive animals by the CDFW. A search of the USFWS and CNDDDB species records reported in the project vicinity did not result in any point records for sensitive animal species on or immediately adjacent to the project alignment. A total of 47 sensitive animal species reported in the project vicinity were analyzed for their potential to occur. Of these, five species were determined to have a high potential to occur within the study area: Cooper's hawk (*Accipiter cooperi*), yellow-breasted chat (*Icteria virens*), coastal California gnatcatcher (*Polioptila californica californica*), least Bell's vireo (*Vireo bellii pusillus*), and San Diego black-tailed jackrabbit (*Lepus californicus bennettii*). As described above, the majority of the project alignment is characterized by developed and disturbed land, with areas of sensitive habitat including Diegan coastal sage scrub, mule fat scrub, southern cottonwood-willow riparian forest, and southern willow scrub generally occurring to the east and west of Old River Road, primarily south of the former golf course (refer to BLR Figures 4a-4d and 7a-7d)). Suitable avian habitat along Old River Road occurs off site and outside of the proposed sewer main alignment (riparian habitat and coastal sage scrub); suitable habitat for San Diego black-tailed jackrabbit occurs east of Old River Road, in both sensitive (non-native grassland) and disturbed areas. While direct impacts to Diegan coastal sage scrub, mule fat scrub, southern cottonwood-willow riparian forest, and southern willow scrub would not occur as a result of the project, temporary indirect noise impacts resulting from construction activities could affect the avian species that occupy those habitats during their respective breeding seasons: coastal California gnatcatcher (February 15 through August 31); raptors (January 15 through July 15); or least Bell's vireo and yellow-breasted chat (March 15 through September 15). Potentially significant impacts would occur if noise from construction resulted in these species failing to breed or abandoning a nest.

Indirect noise impacts could occur along Old River Road south of the former San Luis Rey Downs Golf Club, where the proposed sewer main alignment is adjacent to southern cottonwood-willow riparian forest, southern willow scrub and Diegan coastal sage scrub. Noise in excess of an hourly average (L_{EQ}) of 60 A-weighted decibels (dBA) could disrupt nesting activities in habitat that occurs within 500 feet of work areas and that falls within the 60 dBA L_{EQ} noise contour. Construction-generated noise during periods outside of the breeding seasons for each respective species would not be considered a significant impact.

While one acre of non-native grassland, one of the habitats suitable for San Diego black-tailed jack rabbit, would be directly impacted by project construction, it would be a temporary impact associated with trenching for the proposed segment of LS1-NE gravity main that would occur in the off-road area within the former golf course (Figure 2). As a matter of project design, the trenched area would be returned to its pre-impact contours and revegetated with a native seed mix

appropriate to the surrounding area following installation of the LS1-NE main. Based on implementation of this design measure, associated temporary impacts would be less than significant and mitigation would not be required.

Nesting Birds

The project site contains trees and shrubs that provide suitable nesting habitat for common birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFG Code). Construction of the proposed project could result in the removal or trimming of trees and other vegetation or general construction near nests during the general bird nesting season (January 15 through September 15) and, therefore, could result in impacts to nesting birds in violation of the MBTA and CFG Code. Direct impacts could occur as a result of removal of vegetation supporting an active nest. Impacts would be considered significant.

Implementation of Mitigation Measure BIO-1 would reduce potential impacts to nesting birds to below a level of significance. Implementation of Mitigation Measure BIO-2 would reduce potential noise-related indirect impacts to coastal California gnatcatcher, least Bell's vireo, yellow-breasted chat, and Cooper's hawk to below a level of significance.

BIO-1 Pre-Construction Nesting Bird Survey and Avoidance. Project activities requiring the removal and/or trimming of vegetation suitable for nesting birds shall occur outside of the general bird breeding season (February 15 through August 31). If the activities cannot avoid the general bird breeding season, a qualified biologist shall be retained to conduct a pre-activity nesting bird survey within 7 days prior to the activities to confirm the presence or absence of active bird nests. If no active bird nests are found by the qualified biologist, then the activities shall proceed with the reassurance that no violation to the MBTA and CFG Code would occur. If an active bird nest is found by the qualified biologist, then vegetation removal and/or trimming activities at the nest location shall not be allowed to occur until the qualified biologist has determined that the nest is no longer active.

BIO-2 Pre-Construction Sensitive Bird Surveys and Noise Attenuation. No construction activities shall occur between January 15 and September 15 in areas adjacent to southern willow scrub, southern cottonwood-willow riparian forest or Diegan coastal sage scrub until the following conditions have been met:

- A. A qualified biologist shall survey areas that would be subject to construction noise levels exceeding 60 dBA L_{EQ} for the presence of the coastal California gnatcatcher, least Bell's vireo, yellow-breasted chat and Cooper's hawk. Surveys for the species shall be conducted pursuant to the protocol survey guidelines established by the U.S. Fish and Wildlife Service within the breeding season prior to the commencement of construction. If any of these species are present, then the following conditions must be met:

If operation of construction equipment occurs during the breeding seasons for the coastal California gnatcatcher (February 15 through August 31), nesting raptors (January 15 through July 15), or least Bell's vireo (March 15 through September 15), pre-construction survey(s) shall be conducted by a qualified biologist as appropriate to determine whether these species occur within the areas potentially impacted by

noise. An analysis showing that either: (1) noise generated by construction activities would not exceed 60 dBA L_{EQ} at the edge of occupied habitat, or (2) existing ambient noise levels already exceed 60 dBA L_{EQ} must be completed by a qualified acoustician (possessing current noise engineer license or registration with monitoring noise level experience with listed animal species) at least two weeks prior to the commencement of construction activities. Prior to the commencement of any construction activities, areas restricted from such activities shall be staked or fenced under the supervision of a qualified biologist; or

At least two weeks prior to the commencement of construction activities, under the direction of a qualified acoustician, noise attenuation measures (e.g., berms, walls) shall be implemented to ensure that noise levels resulting from construction activities will not exceed 60 dBA L_{EQ} at the edge of habitat occupied by the listed species. Concurrent with the commencement of construction activities and the construction of necessary noise attenuation facilities, noise monitoring* shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dBA L_{EQ} . If the noise attenuation techniques implemented are determined to be inadequate by the qualified acoustician or biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved or until the end of the breeding season (September 16).

*Construction noise monitoring shall continue at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dBA L_{EQ} or to the ambient noise level if it already exceeds 60 dBA L_{EQ} . If not, other measures shall be implemented in consultation with the biologist and the USFWS and CDFW, as necessary, to reduce noise levels to below 60 dBA L_{EQ} or to the ambient noise level if it already exceeds 60 dBA L_{EQ} . Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

B. If the listed species are not detected during the survey, no noise mitigation measures would be necessary.

b. *Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? **Less Than Significant Impact.*** No permanent impacts to sensitive vegetation communities would result from the project, which occurs almost entirely within existing roads and disturbed lands (Figure 2; see also BLR Figures 7a through 7d in Appendix B). As shown in Table 2, *Impacts to Sensitive Vegetation Communities*, the project would not permanently impact sensitive natural communities. The only impact to a sensitive vegetation community consists of 1.0 acre of temporary impacts to non-native grassland within the former golf course. These temporary impacts would result from trenching for installation of a portion of the replacement gravity main LS1-NE, after which the area would be returned to its pre-impact contours following construction and revegetated with a native seed mix appropriate to the surrounding area. The re-contouring and revegetation would be done as a matter of project design, as described above and in the Project Description of this IS/MND. No mitigation is required for this temporary impact, and no permanent impacts would occur.

**Table 2
IMPACTS TO SENSITIVE VEGETATION COMMUNITIES**

Vegetation Community	Existing	Impact*
Mule fat scrub	0.02	0
Southern cottonwood-willow riparian forest	25.3	0
Southern willow scrub	0.66	0
Diegan coastal sage scrub	15.0	0
Non-native grassland / extensive agriculture	19.4	1.0
TOTAL	60.5	1.0

*All impacts are temporary

- c. *Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?* **No Impact.** Potentially jurisdictional resources in the study area include wetland and non-wetland waters of the U.S./State subject to U.S. Army Corps of Engineers (USACE)/Regional Water Quality Control Board (RWQCB) jurisdiction, and riparian habitat and streambed subject to CDFW jurisdiction only (refer to Table 2 in the BLR contained in Appendix B). No impacts to jurisdictional wetlands or waterways would result from the project. The project would avoid ground disturbance in Moosa Creek and the River by using existing bridge structures to support the proposed pipeline above-ground (refer to BLR Figures 7a and 7b). Impacts to non-wetland waters (seasonal drainage channels and streambed) along Old River Road would be avoided by employing construction fencing and flagging where the waters meet Old River Road (refer to BLR Figures 5 and 6). The proposed alignment adjacent to SR 76, in the northern portion of the project, would be installed using trenchless methods (i.e., microtunneling, open shield tunneling, or other trenchless methods) where the alignment would cross existing drainages between Olive Hill Road and the Thoroughbred LS site and between the Thoroughbred LS site and South Mission Road (Figure 7a). Launching and receiving pits for trenchless methods would be dug in disturbed areas within the ROW. By implementing this precaution as a matter of project design, impacts to non-wetland waters of the U.S. or waters of the State would be avoided. No related impacts would occur.
- d. *Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?* **Less Than Significant Impact.** Moosa Creek and the River both function as wildlife corridors in the project vicinity. As described above, however, the majority of the alignment is within existing roadways, which do not contribute to wildlife corridor functions or nursery sites. The existing roadways already act as a barrier to wildlife movement between upland and riparian areas, and project construction within the roadways would not further inhibit wildlife movement, particularly since most movement is expected to follow existing creek corridors. A small segment of the replacement gravity main LS1-NE would occur within non-native grassland; however, this area is parallel to existing residential development to the north, and relatively expansive areas of abandoned golf course to the south, which connect to Moosa Creek (Figure 2). Temporary trenching in this small area would not result in placement of barriers to wildlife movement along the creek or within the former golf course, and wildlife would continue to be able to move through the area. Potential impacts on wildlife corridors and nursery sites would be less than significant. No mitigation is required.

- e. *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? **No Impact.*** As described in the BLR (HELIX 2020b), the project would not conflict with any local policies or ordinances protecting biological resources. No related impact would occur.
- f. *Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? **No Impact.*** As described in the BLR (HELIX 2020b), the project alignment is not located within the boundaries of any adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan. Therefore, the project would not conflict with any adopted conservation plans, and no impact would occur.

3.5 Cultural Resources

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of CEQA?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5 of CEQA?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A Cultural Resources Survey for the project was prepared by ASM Affiliates (2016 and updated in 2018) to document the existing cultural resources within the project study area and evaluate the potential for project impacts. The conclusions of the survey and report are summarized below, and the report is included as Appendix C to this IS/MND.

- a. *Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of CEQA? **Less than Significant Impact.*** The majority of the project area has been previously developed or disturbed and is currently covered with asphalt. As described in the Cultural Resources Survey Letter Report for the project (ASM Affiliates 2018; included as Appendix C to this IS/MND), there are identified historical resources within a 0.5-mile radius of the proposed project; however, there are no known historical resources within the project’s Area of Potential Effects (APE). As such, impacts to historical resources would not occur.
- b. *Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5 of CEQA? **Potentially Significant Unless Mitigated.*** As discussed in Response 3.5a, the project site is located within an area that has been previously disturbed. No archaeological resources have been identified within the APE; however, there are 19 identified cultural resources within a 0.5-mile radius of the project area (refer to Table 2 in Appendix C; ASM 2018). In particular, the project’s survey area is adjacent to archaeological sites SDI-674/8663 near a portion of the existing alignment to be abandoned in place. Since no ground disturbance would take place in the vicinity of SDI-674/8663, this site would not be impacted by the proposed project. No new cultural

resources were identified during the field survey conducted by ASM in October 2017; however, due to the extensive prehistoric uses of the area, the proximity of proposed ground disturbance to a possible prehistoric village location, and the associated increased potential for unknown subsurface archaeological resources to exist in the alluvial soils near the River and Moosa Creek, impacts to archaeological resources are potentially significant. Implementation of mitigation measures CUL-1 and CUL-2 would reduce potential archaeological resource impacts to below a level of significance.

CUL-1 Construction Monitoring for Cultural Resources. A qualified Archaeologist and Native American monitor shall be present during grading, trenching, and subsurface disturbance and shall document such activity on a standardized form. Daily logs shall be kept by all monitors, and a monitoring report be prepared at the conclusion of each phase of monitoring. A record of activity shall be sent to the District.

CUL-2 Unanticipated Discovery of Cultural Materials. In the event that cultural resource(s) are unearthed during ground disturbing activities, the archeological monitor and tribal monitor shall have the authority to temporarily halt or redirect ground disturbing activities away from the vicinity of these unanticipated discoveries so that they may be evaluated. The District, the project archaeologist, and a tribal representative shall assess the significance of such cultural resource(s) and, if the cultural resource(s) is determined to be culturally significant, they shall meet to confer regarding the appropriate treatment for the cultural resource(s). Pursuant to Calif. Pub. Res. Code § 21083.2(b) avoidance is the preferred method of preservation. The archaeologist and the tribal representative shall make recommendations to the District on the measures that will be implemented to protect the newly discovered cultural resource(s), including but not limited to, avoidance in place, excavation, relocation, and further evaluation of the discoveries in accordance with CEQA. No further ground disturbance shall occur in the area of the discovery until the District approves the measures to protect the significant cultural resource(s).

- c. *Disturb any human remains, including those interred outside of formal cemeteries? **Less Than Significant Impact.*** There are no known grave sites within the project limits, and the potential for encountering human remains during construction activities is considered low, since grading and excavation activities would occur within a previously disturbed area. In the unlikely event that human remains are encountered, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of any human remains find immediately. If the remains are determined to be prehistoric, the Coroner would notify the NAHC, which would determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery, and shall complete the inspection within 24 of notification by the NAHC. The MLD would have the opportunity to make recommendations to the NAHC on the disposition of the remains. Accordingly, impacts would be less than significant.

3.6 Energy

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation? **Less than Significant Impact.*** Energy used for construction would primarily consist of fuels in the form of diesel and gasoline for the operation of construction equipment and construction worker vehicles. While construction activities would consume petroleum-based fuels, consumption of such resources would be temporary and would cease upon the completion of construction. The petroleum consumed during project construction would be typical of similar construction projects and would not require the use of new petroleum resources beyond what are typically consumed in California. Based on these considerations, construction of the project would not result in wasteful, inefficient, or unnecessary consumption of energy resources.

Energy usage during operation of the proposed project would be limited to the energy needs of the Thoroughbred LS and Schoolhouse LS submersible wastewater pumps. Schoolhouse LS would require four (two duty and two standby) 50-HP submersible wastewater pumps. The Thoroughbred LS would require two (one duty and one standby) 10-HP submersible wastewater pumps. In addition, each lift station would include one standby generator housed in an acoustic enclosure inside the lift station structure. The Thoroughbred LS would include one 175-kW standby generator and the Schoolhouse LS would include one 50-kW standby generator. Of the included equipment, the pumps would require the most energy use (electrical). Each new lift station would provide partial replacement of the existing LS1 to accommodate future flows with equipment serving the same function for the District in different locations. Therefore, the project is not anticipated to result in a substantial increase in energy use. Project operations would not use energy in a wasteful, inefficient, or unnecessary manner. Implementation of the project would not result in a substantial increase in demand of local or regional energy supplies compared to existing conditions, and impacts would be less than significant.

- b. *Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? **No Impact.*** The project would be built and operated in accordance with existing, applicable regulations. Construction equipment would be maintained to allow for continuous energy-efficient operations. Furthermore, the project would not result in a substantial increase in energy use. Accordingly, the project would not conflict with State or local plans related to energy, and no impacts would occur.

3.7 Geology and Soils

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: (i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (Refer to Division of Mines and Geology Special Publication 42)?; (ii) strong seismic ground shaking?; (iii) seismic-related ground failure, including liquefaction?; or, (iv) landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on expansive soil, as defined in Table 18-1-B of the 1994 Uniform Building Code (UBC), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- a. *Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:*
- i) *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (Refer to Division of Mines and Geology Special Publication 42)? **No Impact.*** The closest known active fault is the Newport-Inglewood–Rose Canyon fault zone located off-shore approximately 12 miles southwest of the site. The site is not located in an Alquist-Priolo Earthquake Fault Zone. No active faults are known to underlie or project towards the site. Additionally, the project does not propose any structures intended for human use or occupancy. No impact would occur.
 - ii) *Strong seismic ground shaking? **Less Than Significant Impact.*** The project site is located within the seismically active southern California region. Active faults in the County include segments within the San Jacinto, Elsinore, and Rose Canyon fault zones. Active faults are those faults which have had surface displacement within Holocene times (about the last 11,000 years). Near-Source Shaking Zones have been mapped by the County where velocity effects need to be

considered in the design of buildings within a specified distance of an active fault. The proposed project is approximately 10 miles from the closest Near-Source Shaking Zone, which occurs along the Elsinore fault zone east of the community of Pala (County 2007).

The proposed project proposes replacement of existing underground sewage pipelines and construction of new lift stations in previously disturbed areas. The proposed project does not include the development of any above-ground structures that would pose a threat during an earthquake event. Engineering and construction of the proposed project would be required to be in conformance with the International Code Council (ICC) International Building Code (IBC, formerly the Uniform Building Code; 2006) and related California Building Code (CBC; California Building Standards Commission 2010), and other applicable standards. Conformance with standard engineering practices and design criteria would reduce the effects of seismic ground shaking to less than significant levels.

- iii) *Seismic-related ground failure, including liquefaction? **Less Than Significant Impact.*** Liquefaction is the temporary loss of cohesion in saturated, granular soils when the pore water pressure in the soil becomes equal to the confining pressure. Liquefaction generally occurs as a “quicksand” type of ground failure caused by strong ground shaking. The primary factors influencing liquefaction potential include groundwater, soil type, relative density of the sandy soils, confining pressure, and the intensity and duration of ground shaking. The proposed project is located in a primary area for potential liquefaction hazard (County 2007). Regional building standards, however, require sewer pipelines to be installed with specific bedding and fill materials to protect the pipeline from potential damage (Drawing Number SP-2 in Regional Standards Committee 2009). Based on these considerations, impacts related to liquefaction would be less than significant.
 - iv) *Landslides? **Less Than Significant Impact.*** The project site is not located within an area identified as susceptible to landslides (County 2007). Project construction would occur within the ROW in previously disturbed roadways and easements, as well as within a former golf course and adjacent disturbed areas. Following construction, the project site would be returned to its original condition. The potential for the proposed project to expose people or structures to landslides is negligible, and related impacts would be less than significant.
- b. *Result in substantial soil erosion or the loss of topsoil? **Less Than Significant Impact.*** Trenching and earthwork activities during construction of the proposed project would displace soils and temporarily increase the potential for soils to be subject to wind and water erosion. As required by the Clean Water Act, the District would obtain permit coverage under the National Pollutant Discharge Elimination System (NPDES) and State Water Resources Control Board (SWRCB) with implementation of an effective SWPPP for project construction, since the Project’s area of ground disturbance is greater than one acre. With implementation of a SWPPP that incorporates sediment control and erosion control measures, impacts from soil erosion and topsoil loss would be less than significant.
 - c. *Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? **Less Than Significant Impact.*** Refer to Response 3.7a, above, regarding soil instability related to seismic effects. No water extractions or similar practices that are typically associated with project-related subsidence effects are proposed. In addition, surface material that

would be disrupted/displaced would be balanced and re-compacted on-site during project construction, to the extent practicable. Adherence to standard engineering practices would result in less than significant impacts related to subsidence of the land.

- d. *Be located on expansive soil, as defined in Table 18-1-B of the 1994 Uniform Building Code (UBC), creating substantial risks to life or property? **Less Than Significant Impact.*** The majority of soils that underlay the project site have a low to moderate potential for shrinking and swelling. An approximately 0.5-mile stretch of Old River Road, where the alignment runs between Little Gopher Canyon Road and Dentro De Lomas Road, is underlain with Las Posas stony fine sandy loam, a potentially expansive soil. As described above, however, the proposed replacement pipeline would be installed in an existing trench with imported bedding material and fill. Further, adherence to standard engineering practices contained within the IBC¹ and CBC would reduce any potential impacts to less than significant levels.
- e. *Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? **No Impact.*** The proposed project does not include the implementation of septic tanks or alternative wastewater disposal systems. No impact would occur.
- f. *Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? **Potentially Significant Impact Unless Mitigation.*** The project site is underlain with young alluvial floodplain deposits. Based on its relatively young age and high-energy depositional history, younger alluvium is considered unlikely to produce unique fossil remains and is assigned a low paleontological resource sensitivity (Deméré and Walsh 1994). Ground-disturbing activities associated with the proposed project would occur in previously graded and disturbed areas and would be limited to relatively shallow depths. This greatly reduces the potential for encountering intact paleontological resources. The potential still exists, however, for paleontological resources to be encountered during ground-disturbing activities. If such resources were encountered, impacts would be potentially significant. Implementation of mitigation measure GEO-1 would reduce potential paleontological resource impacts to below a level of significance:

GEO-1 Unanticipated Discovery of Paleontological Materials In the unlikely event that potentially significant paleontological materials (e.g., fossils) are encountered during construction of the project, all work shall be halted in the vicinity of the paleontological discovery until a qualified paleontologist can visit the site of discovery, assess the significance of the paleontological resource, and provide proper management recommendations. If the discovery proves to be significant, additional work, such as data recovery excavation, may be warranted. The treatment and disposition of paleontological materials that might be discovered during excavation shall be in accordance with applicable laws and regulations.

¹ Table 18-1-B of the 1994 UBC has been replaced by Section 1802.3.2 of the IBC as the industry standard for defining expansive soils.

3.8 Greenhouse Gas Emissions

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following discussion is based on GHG emissions calculations and modeling prepared by HELIX (2020a). Detailed construction emissions assumptions and model inputs and outputs are provided in Appendix A.

- a. *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? **Less Than Significant Impact.*** Global climate change refers to changes in average climatic conditions on Earth as a whole, including temperature, wind patterns, precipitation, and storms. Global temperatures are moderated by naturally occurring atmospheric gases, including water vapor, carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), ozone, and certain hydro-fluorocarbons. These gases, known as GHGs, allow solar radiation (sunlight) into the Earth’s atmosphere, but prevent radiative heat from escaping, thus warming the Earth’s atmosphere. Greenhouse gases are emitted by both natural processes and human activities. The accumulation of GHGs in the atmosphere regulates the Earth’s temperature. Emissions of GHGs in excess of natural ambient concentrations are thought to be responsible for the enhancement of the greenhouse effect and contributing to what is termed “global warming,” the trend of warming of the Earth’s climate from anthropogenic activities. Global climate change impacts are by nature cumulative; direct impacts cannot be evaluated because the impacts themselves are global rather than localized impacts.

California Health and Safety Code Section 38505(g) defines GHGs to include the following compounds: CO₂, CH₄, N₂O, ozone, chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. As individual GHGs have varying heat-trapping properties and atmospheric lifetimes, GHG emissions are converted to carbon dioxide equivalent (CO₂e) units for comparison. The CO₂e is a consistent methodology for comparing GHG emissions because it normalizes various GHG emissions to a consistent measure.² The most common GHGs related to the project are those primarily related to energy usage: CO₂, CH₄, and N₂O.

Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, set the state-wide goal to reduce GHG emissions to 1990 levels by 2020. In January 2008, the California Air Pollution Control Officers Association prepared a white paper entitled “CEQA & Climate Change,” which developed a

² The effect each GHG has on climate change is measured as a combination of the volume of its emissions, and its global warming potential. The global warming potential is the potential of a gas or aerosol to trap heat in the atmosphere and is expressed as a function of how much warming would be caused by the same mass of CO₂. For instance, CH₄ has a global warming potential of 21, meaning that 1 gram of CH₄ traps the same amount of heat as 21 grams of CO₂. N₂O has a global warming potential of 310.

900-metric ton (MT) screening to determine whether further analysis was needed to assess whether a residential or commercial project would hinder the statewide attainment of GHG emissions reduction goals described in AB 32. Senate Bill (SB) 32 was passed as a follow up to AB 32 and extended the reduction target to 40 percent below 1990 levels by 2030. For projects that would be developed after 2020, this goal is proportionally reduced to 813 MT CO₂e.

Modeling was conducted that showed project GHG emissions would not exceed this screening threshold, using CalEEMod. The calculations included estimated emissions from construction as well as emissions associated with operation (electricity usage related to the lift stations and diesel usage related to monthly testing of the backup generators). It is standard practice to include construction emissions (amortized over a typical duration of 20 years) when analyzing GHG emissions. Project operations are assumed to begin in 2021. Detailed construction emissions assumptions and CalEEMod inputs and outputs are provided in Appendix A. Table 3, *Estimated GHG Emissions*, provides a summary of the total annual GHG emissions generated by the project.

**Table 3
ESTIMATED GHG EMISSIONS**

Emission Source	Emissions (MT CO₂e)
Area	<1
Energy	333
Mobile	0
Waste	0
Water	0
Offroad - Generator	<1
Amortized Construction	65
TOTAL	400
Screening Level Threshold	813
Exceeds Threshold?	No

Refer to Appendix A for full modeling results.
MT = metric tons; CO₂e = carbon dioxide equivalent

As shown in Table 3, most of the project emissions are from the energy use related to the electric pumps for the proposed lift stations. As shown above, the total annual GHG emissions generated by the project would be approximately 400 MT CO₂e, which is below the screening threshold of 813 MT CO₂e per year. Impacts would be less than significant.

- b. *Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? **No Impact.*** As discussed in Response 3.8a, the proposed project would not result in significant GHG emissions. The project would not result in emissions that would adversely affect state-wide attainment of GHG emission reduction goals as described in AB 32 and SB 32. Emissions would therefore have a less than cumulatively considerable contribution to global climate change impacts, and the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions. No impact would occur.

3.9 Hazards and Hazardous Materials

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? **Less Than Significant Impact.*** Small amounts of potentially hazardous materials (e.g., fuel, lubricants, and solvents) may be used during construction activities. The transport, use, and disposal of hazardous materials during the temporary, short-term construction period would be conducted in accordance with applicable local, state, and federal laws. Operation of the proposed lift station and sewer main project would not require or result in the transport, use, or disposal of potentially hazardous materials. Therefore, related impacts would be less than significant.
- b. *Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? **Potentially Significant Unless Mitigated.*** The proposed project is not anticipated to result in a release of hazardous materials into the environment. During the temporary, short-term construction period, however, there is the possibility of accidental release of hazardous substances such as spilling of hydraulic fluid or diesel fuel associated with construction equipment maintenance. The level of risk associated with the accidental release of these hazardous substances is not considered significant due to the small volume and low concentration of hazardous materials. The construction contractor would be required to use standard construction controls and safety procedures to avoid

or minimize the potential for accidental release of such substances into the environment. In addition, the District has standards in place to control potential sewage spills that could occur as a result of accidental release or leaks of sewage during project construction or operation. Even with the presence of such standards, accidental conditions such as sewer pipe rupture or lift station failure could result in potential impacts related to spills and exposure of the public and environment to associated health hazards. Such impacts would be potentially significant. Implementation of mitigation measure HAZ-1 would reduce this potential impact to below a level of significance.

HAZ-1 Sewage Lift Station Safety Features. The proposed Schoolhouse LS and Thoroughbred LS shall incorporate standard safety features, including an emergency generator on site in case of electrical failure, and sufficient sewage detainment capacity in the event of generator and/or pump mechanism failure to allow time for repair and/or emergency conveyance of the sewage. Additionally, a Sewer System Management Plan shall be implemented that includes monitoring protocol and contingency measures in the event of emergency leaks or spills.

- c. *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? **Less Than Significant Impact.*** Bonsall Elementary School is located 0.10 mile east of the project site on Old River Road (Figure 2). As described in Responses 3.9a and 3.9b, however, the small volume, low concentration, and short-term presence of any potentially hazardous materials during the construction period, coupled with standard control and safety procedures and adherence to applicable regulations, would result in a less than significant impact related to the release of hazardous emissions or materials near the school.
- d. *Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? **No Impact.*** The SWRCB GeoTracker database and the California Department of Toxic Substances Control (DTSC) EnviroStor database provide information on hazardous materials sites. The project site is not listed as a hazardous materials site on either of these databases. The hazardous materials site closest to the proposed project listed in the EnviroStor database is a School Investigation site in Fallbrook where a Phase I Environmental Site Investigation was approved in August 2016 with a No Action determination (DTSC 2016). The GeoTracker database identified three former cleanup sites near the project site. Two are located near the intersection of Camino del Rey and Camino Del Cielo, approximately 500 feet northeast of the proposed project. Cleanup activities were completed, and the cases were closed in October 1996 and February 1989 (SWRCB 2017). The third former cleanup site is located at the gas station on the corner of Camino Del Rey and SR 76. Cleanup activities were completed and the case was closed in January 2007 (SWRCB 2017). There are no active cleanup sites mapped in the near vicinity of or within the project site; therefore, no impacts related to hazardous materials sites would occur.
- e. *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? **No Impact.*** The nearest airport is the Camp Pendleton Air Terminal, which is located approximately seven miles west of the project. The Oceanside Municipal Airport is approximately 10 miles southwest from the project. The project does not propose features that would result in a safety hazard or excessive noise for people residing or working in the project area. No related impacts would occur.

- f. *Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? **Less Than Significant Impact.*** Construction of the proposed project would temporarily block portions (e.g., up to one lane at a time) of Old River Road, Camino Del Rey, and Golf Club Drive. As a matter of project design, the contractor would be required to prepare and comply with a traffic control plan which would include measures to minimize effects related to lane closures and ensure safe passage of evacuees or emergency response vehicles. Impacts would therefore be reduced to less than significant.
- g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? **No Impact.** The project would not expose people or structures to a significant risk of wildland fires because the project does not propose structures that would be at risk for fire damage or buildings meant for human occupancy. No related impacts would occur.

3.10 Hydrology and Water Quality

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: (i) result in substantial erosion or siltation on- or off-site; (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or (iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? **Less Than Significant Impact.*** The project site is located within the RWQCB San Diego Region Basin Plan. Under Section 402 of the Clean Water Act, the RWQCB issues NPDES permits to regulate discharges to “waters of the nation,” which include rivers, lakes, and their tributary waters. Waste discharges include discharges of stormwater and construction-related discharges. Potential impacts related to water quality could occur during trenching and construction when the potential for erosion, siltation, sedimentation, and accidental

release of hazardous materials into on-site drainages would be the greatest. Implementation of a SWPPP would be required under the NPDES Construction General Permit (NPDES No. CAS000002, SWRCB Order No. 2009-0009-DWQ; as amended by Order No. 2010-0014-DWQ and Order No. 2012-0014-DWQ), administered by the RWQCB. The SWPPP would include specific BMPs to avoid or reduce potential impacts related to the use and potential discharge of construction-related hazardous materials. The construction contractor would be required to comply with the NPDES and SWPPP requirements regarding the implementation of BMPs during construction. Compliance with these requirements would ensure that the proposed project would have a less than significant impact on water quality standards and waste discharge requirements. Furthermore, the proposed project would not require the use of or otherwise substantially impair groundwater quality or interfere with groundwater recharge.

- b. *Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? **No Impact.*** The proposed lift station and sewer main project would not require the use of, or otherwise substantially interfere with, groundwater supplies or recharge. No impacts would occur.
- c. *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:*
 - i) *Result in substantial erosion or siltation on- or off-site? **Less Than Significant Impact.*** Existing surfaces—the majority of which are paved—within the disturbance area would be temporarily removed during trenching and installation phases of the proposed project. Removal of impermeable surfaces would be limited to sections of the alignment being worked on at any given time. Following construction, the trench would be back-filled and surfaces would be repaved and/or returned to their existing condition. Drainage patterns may change temporarily during construction; however, required BMPs prescribed in the SWPPP would minimize on- and off-site erosion through temporary sediment control measures. Conformance with required BMPs would reduce potential impacts related to erosion and siltation during construction to less than significant. The proposed lift stations and related appurtenances would be contained within the parcel and would not be large enough to substantially alter the existing drainage pattern of the surrounding area. Related operational effects would be negligible and, therefore, less than significant.
 - ii) *Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite? **Less Than Significant Impact.*** The proposed project would only minorly increase permanent impermeable surfaces that could contribute to increased surface runoff. Drainage patterns would potentially be affected temporarily by construction activities; however, as described above in 3.9c, the SWPPP would require implementation of specific BMPs to reduce drainage alteration impacts to less than significant, and no associated flooding would occur.
 - iii) *Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? **Less Than Significant Impact.*** The proposed project would result in a negligible increase in new impermeable surfaces associated with the proposed lift stations and, therefore, would not have the capacity to create or contribute runoff water which would exceed the capacity of existing or

planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Additionally, the contractor would comply with NPDES and SWPPP requirements and implement erosion and sedimentation control measures to minimize on- and off-site erosion, as discussed in Response 3.10a. Impacts would be less than significant.

iv) *Impede or redirect flood flows?* **Less Than Significant Impact.** According to the Flood Insurance Rate Map (FIRM) No. 06073C0488G and FIRM No. 06073C0490G, the project site is located within Zone AE. This designation describes an area within the channel of a stream as well as any adjacent floodplains. This zone is within the 100-year floodplain that is subject to inundation by a one-percent-annual-chance flood event. Although the project site is located within the 100-year floodplain as designated by the Federal Emergency Management Agency, the project would not impede or redirect flood flows through construction of buried sewer mains and two small, above-grade lift stations. No related impacts would occur.

d. *In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?* **No Impact.** There are no anticipated impacts to the proposed project from seiche, tsunami, or mudflow, as no topographical features or water bodies capable of producing such events occur within the project site vicinity.

e. *Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?* **No Impact.** Refer to Responses 3.10a and 3.10c; based on implementation of appropriate BMPs as part of (and in conformance with) the applicable NPDES guidelines, water quality impacts would be less than significant. Furthermore, the proposed project would not require the use of groundwater. No related impacts would occur.

3.11 Land Use and Planning

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a. *Physically divide an established community?* **No Impact.** The sewer main component of the project is proposed to be constructed (buried) within the existing ROW in Old River Road, Camino Del Rey, and Golf Club Drive, as well as in an off-road area within the former San Luis Rey Downs golf course and in an access road and off-road area west of SR 76. The proposed Schoolhouse LS would be constructed within a small footprint on a single lot at the edge of the Golf Green Estates, a new residential subdivision planned off of Old River Road north of Moosa Creek. The proposed Thoroughbred LS would be constructed in a disturbed area near the intersection of Thoroughbred Land and SR-76. The project would not have an impact on the physical arrangement of an established community; therefore, no impacts are anticipated to occur.

- b. *Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? **Potentially Significant unless Mitigated.*** The proposed project would not change the current land use in the project area and is consistent with the Bonsall Community Plan's (2011) designation for the project site, and with the County Zoning Map (County 2016) designation of the same area. The project would potentially conflict with local ordinances related to noise control, but these impacts would be reduced to less than significant with the implementation of mitigation measures NOI-1 and NOI-2. See Section 3.13 for additional discussion.

3.12 Mineral Resources

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a. *Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? **Less Than Significant Impact.*** According to the County (2008), the project site is within Aggregate Resource Sector B, which is zoned as MRZ-2 and meets the State Mining and Geology Board's guidelines as eligible to be designated of regional or statewide significance. Mineral resource deposits of sand and gravel have been mapped throughout the project site (County 2008); however, the project does not propose a land use that would preclude mineral extraction, nor would it permanently restrict road access to MRZ-2 areas for potential future mining operations. The proposed project is consistent with the Bonsall Community Plan (2011) and the County General Plan (2011), with respect to the protection of mineral resources. Therefore, impacts to mineral resources would be considered less than significant.
- b. *Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? **Less Than Significant Impact.*** Refer to Response 3.12a, above. Impacts would be less than significant.

3.13 Noise

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The following discussion was informed by construction noise modeling prepared for the project by HELIX (2016). Detailed Construction Noise Modeling Outputs are contained within Appendix D to this IS/MND.

Fundamentals of Sound and Environmental Noise

Noise can be defined as unwanted sound. Sound (and therefore noise) consists of energy waves that people receive and interpret. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep. Sound intensity or acoustic energy is measured in decibels (dB) that are weighted to correct for the relative frequency response of the human ear. Unlike linear units (inches or pounds), dB are measured on a logarithmic scale, representing points on a sharply rising curve.

Since dBs are logarithmic units, sound pressure levels cannot be added or subtracted by ordinary arithmetic means. As a general rule, doubling the traffic volume on a street or the speed of the traffic will increase the traffic noise level by three dBA.³ Conversely, halving the traffic volume or speed will reduce the traffic noise level by 3 dBA. A 3-dBA change in sound is the level where humans generally notice a barely perceptible change in sound and a 5-dBA change is generally readily perceptible. A 10-dBA change is generally considered substantial.

The predominant rating scales for human communities are the Noise Equivalent (L_{EQ}), and the Community Noise Equivalent Level (CNEL), both of which are based on dBA. The L_{EQ} is the total sound energy of time-varying noise over a sample period. The CNEL is the average equivalent A-weighted sound level during a 24-hour day, obtained after addition of 5 dBA to sound levels in the evening from 7:00 p.m. to 10:00 p.m. and after addition of 10 dBA to sound levels in the night from 10:00 p.m. to

³ To account for the range of sound that human hearing perceives, a modified scale is utilized known as the A-weighted decibel, dBA. Sound intensity or acoustic energy is measured in dBs that are weighted to correct for the relative frequency response of the human ear. For example, an A-weighted noise level includes a de-emphasis on high frequencies of sound that are heard by a dog's ear but not by a human's ear.

7:00 a.m. CNEL is utilized for describing ambient noise levels because they account for all noise sources over an extended period of time and account for the heightened sensitivity of people to noise during the night.

Sensitive Noise Receptors

Noise-sensitive land uses (NSLUs) are land uses that may be subject to stress and/or interference from excessive noise. NSLUs in the project vicinity include an elementary school, a church, residences, and sensitive habitat adjacent to the project alignment within the River corridor. The sensitive habitat may be used for nesting by federally protected avian species, such as least Bell's vireo (see Section 3.4, *Biological Resources*).

Regulatory Framework

The District has not established noise limits for its projects. For the purposes of this analysis, the County noise guidelines are used to assess potential noise impacts. Noise limits for construction activities and general exterior noise generation are described in Sections 36.401 through 36.423 of the County Municipal Code (the noise ordinance). It is unlawful for any person to cause or allow the creation of any noise to the extent that the one-hour average sound level at any point on or beyond the boundaries of the property exceeds the sound level limits found in Table 36.404 of the noise ordinance. For the zones neighboring the project alignment, the exterior one-hour average limit is 50 dBA between 7:00 a.m. to 10:00 p.m. and 45 dBA between 10:00 p.m. and 7:00 a.m.

Sections 36.408 through 36.411 of the Municipal Code establish noise limitations for construction activities. Except for emergency work, it is unlawful for any person to operate or cause to be operated, construction equipment between 7:00 p.m. and 7:00 a.m., or that exceeds an average sound level of 75 dB for an 8-hour period, when measured at the boundary line of the property where the noise source is located or on any occupied property where the noise is being received.

Regarding federally listed biological species, guidelines produced by the USFWS recommend that project noise be limited to a one-hour average of 60 dBA or, if the existing ambient noise level is above 60 dBA, noise levels should not increase the ambient noise level by more than 3 dBA at the edge of occupied habitat during the avian species breeding season.

- a. *Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? **Potentially Significant Unless Mitigated.***

Short-term Construction Impacts

Construction of the project would potentially result in temporary increases in noise levels from operation of the construction equipment. Construction activities could temporarily produce elevated short-term noise levels that would potentially impact NSLUs.

Construction of the lift stations would require the use of a cement truck and boom for foundation pouring. These two pieces of equipment used in conjunction would generate 75 dBA at approximately 125 feet distance (assuming the equipment would be used for 40 percent of an 8-hour construction day). See Appendix D, Construction Noise Modeling Outputs, for construction equipment calculations. The nearest existing NSLUs to the Schoolhouse LS are residences and

Bonsall Elementary School (refer to Figure 2). Following buildout of neighboring developments, future NSLUs may be as close as 45 feet from the Schoolhouse LS. The nearest NSLUs to the Thoroughbred LS are existing residences at a distance of approximately 110 feet. Assuming that construction would be conducted for 8 hours in a given day, construction noise may exceed the 8-hour 75-dBA L_{EQ} noise limit for nearby NSLUs. Implementation of mitigation measures NOI-1 would reduce lift station construction noise impacts to below a level of significance.

During pipeline trenching and pipeline replacement, an excavator would move along the pipeline route digging the trench and loading the materials into a dump truck. Trenching would occur within the following distances to NSLUs: 50 feet to single-family residences along Old River Road, 50 feet to Bonsall Community Church, 100 feet to classrooms at Bonsall Elementary School, 50 feet to residences south of Camino Del Rey, and 25 feet to sensitive habitat along the River.

An excavator, dump truck, pump, and loader would generate 75 dBA at approximately 100 feet. This assumes operation of the dump truck, loader, and excavator for 40 percent of an 8-hour construction day, and a pump operating 100 percent of an 8-hour day. Trenching activities would therefore exceed the 75-dBA noise limit for nearby NSLUs including residences, the church, and classrooms at Bonsall Elementary School. Implementation of mitigation measure NOI-1 would reduce construction impacts to below a level of significance.

The project could possibly require nighttime construction. An excavator, dump truck, pump, and loader would generate a noise level of 80.9 dBA at 50 feet. If an exception to nighttime construction restrictions were granted by the District, construction noise would exceed the nighttime property boundary noise limits of 45 dBA in neighboring zones, and impacts would be significant.

Long-term Operation Impacts

As noted in the Project Description, the project would result in the installation of a new lift stations. The Schoolhouse LS would be within Lot 25 of the new Golf Green Estates Development along Old River Road, and Thoroughbred LS would be located at the southwestern corner of SR 76 and Thoroughbred Lane. Although the proposed lift stations would replace an existing station to the southeast (Figure 2), they would generate noise levels that may affect neighboring uses differently than the existing facility due to size and change in physical location.

The new Schoolhouse LS would require the addition of two 10-HP submersible wastewater pumps, and one 50-kW standby generator to be used in case of power failure. The nearest property lines to the Schoolhouse LS site are approximately 70 feet to the west and 45 feet to the south. The Schoolhouse LS site is partially encompassed by an existing 6-foot concrete masonry unit (CMU) perimeter wall, and the project would construct the wall on the remaining portion of the site. Single-family residences are currently under construction adjacent to the southwest of the site.

The new Thoroughbred LS would require the addition of four 50-HP submersible wastewater pumps, and one 175-kW standby generator. The nearest property line to the Thoroughbred LS site is approximately 110 feet.

The pumps at both lift stations would be in constant operation. Because the pumps would be located within enclosed structures, operational noise is not expected to be audible at nearby property lines and were therefore not analyzed.

The emergency generators would require periodic 15-minute tests that would occur monthly during daytime hours. Because of the proximity of the Schoolhouse LS to future NSLUs, noise levels from this 15-minute test were analyzed at nearby property lines. During a 15-minute generator test, noise levels at property lines nearest to the Schoolhouse LS generator may be between 47.8 dBA L_{EQ} (15-minute) and 54.1 dBA L_{EQ} (15-minute), depending on the manufacturer.⁴ Noise levels may exceed the 50-dBA exterior daytime and the 45-dBA exterior nighttime limits at the property line nearest to future residential uses. Mitigation measure NOI-2 would call for the design of the proposed lift station sites to comply with the County daytime and nighttime limits, reducing impacts to below a level of significance.

Implementation of mitigation measures NOI-1 and NOI-2 would be required to reduce impacts to below a level of significance.

NOI-1 General Construction Noise Reduction Limits. Noise levels from project-related demolition, grading, and construction activities shall be reduced to 75 dBA (8-hour average).

If work is to occur at night between 7:00 p.m. and 7:00 a.m. within 300 feet of occupied residences, noise from construction activities shall be reduced to 75 dBA (1-hour average).

The District shall employ measures to reduce construction/demolition noise including, but not be limited to, the following:

- Construction equipment shall be properly outfitted and maintained with manufacturer-recommended noise-reduction devices.
- Diesel equipment shall be operated with closed engine doors and equipped with factory-recommended mufflers.
- Mobile or fixed “package” equipment (e.g., arc-welders and air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment.
- Electrically powered equipment shall be used instead of pneumatic or internal-combustion powered equipment, where feasible.
- Unnecessary idling of internal combustion engines (e.g., in excess of 5 minutes) shall be prohibited.
- Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise sensitive receptors.
- The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only.

⁴ Two generators were modeled for this analysis: a typical generator and a generator with noise-attenuation design features.

- No project-related public address or music system shall be audible at any adjacent sensitive receptor.
- Any truck or equipment equipped with back-up alarm moving within 300 feet of a noise-sensitive land use (residence, school, or church) should have the normal back-up alarm disengaged and safety provided by lights and flagman or broad-spectrum noise backup alarm (as appropriate for conditions) used in compliance with the Occupational Safety and Health Administration safety guidelines.
- Temporary sound barriers or sound blankets shall be installed between construction operations and adjacent noise-sensitive receptors. The project Contractor shall construct a 12-foot high temporary noise barrier meeting the specifications listed below (or of a Sound Transmission Class [STC] 19 rating or better) to attenuate noise.
- The District shall notify residences within 300 feet of the project's disturbance area in writing within one week of any construction activity. The notification shall describe the activities anticipated, provide dates and hours, and provide contact information with a description of a complaint and response procedure.
- The on-site construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process for the affected resident shall be established prior to construction commencement to allow for resolution of noise problems that cannot be immediately solved by the site supervisor.

NOI-2 Lift Station Operational Noise Limit. Ultimate design of the lift stations shall strive to reduce noise levels from operation of two 10-HP submersible wastewater pumps and one 50-kW standby generator at the Schoolhouse LS site and four 50-HP submersible wastewater pumps and one 175-kW standby generator at the Thoroughbred LS site. Noise generated by operation of the lift stations shall strive to not exceed a daytime exterior one-hour noise level limit of 50 dBA L_{EQ} or the nighttime exterior one-hour noise level limit of 45 dBA L_{EQ} at the nearest property line.

Measures to ensure this noise limit may include installing equipment below ground, surrounding any above-ground equipment in a noise-attenuating enclosure, and/or purchasing a generator with sound attenuation features. If an enclosure is used, the plot plans shall show its location and specify its material as 8-foot masonry or 8-inch concrete masonry unit block walls. Any access door (metal or wood) shall face the interior of the permit site and away from the nearest property line. Any cracks or openings in the enclosure walls shall be caulked or filled on the interior façade or side facing the equipment. The center of the generator set shall be located no farther than 5 feet from the enclosure wall nearest to the affected property line. Any wood doors shall be solid core, at least 1¾ inches thick, and equipped with seals and a threshold sweep.

With the possibility of working as close as 25 feet from sensitive habitat, construction equipment noise on the pipeline segments would generate noise levels over 60 dBA L_{EQ} within sensitive habitat

of the River corridor. At these distances, noise levels could be as high as 88.8 dBA L_{eq} . Therefore, impacts to nearby sensitive habitat would be potentially significant. Implementation of mitigation measures BIO-1 and BIO-2 would reduce potential impacts on nesting birds to below a level of significance.

The term “substantial increase” in permanent noise is generally considered to be 10 dBA above current levels. However, an increase of 3 dBA is the smallest change that would be perceptible by humans, and this differential is often conservatively used to determine the significance of an impact. An increase of this magnitude would typically be caused by a doubling of traffic. Transportation noise sources for the project would be associated with intermittent vehicular trips by District employees for maintenance of the facility. However, project facilities would not increase the number of maintenance trips typically required compared to existing conditions. Implementation of mitigation measures NOI-1 and NOI-2 would ensure that ambient noise levels in the project vicinity would not be in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

- b. *Generation of excessive groundborne vibration or groundborne noise levels? **Less Than Significant Impact.*** The construction and demolition activities required for the proposed replacement sewer mains and lift station are not anticipated to generate excessive groundborne vibrations or noise levels. No pile driving is anticipated to be necessary as part of project construction; the loudest source of potential vibration from project construction would be the potential use of a vibratory roller, which may be used to achieve soil compaction as part of foundation construction for the proposed lift station.

No vibration-sensitive land uses (i.e., land uses where equipment or operations would be disrupted by excessive vibration) are located within 200 feet of the project alignment. Therefore, construction vibration would not affect vibration-sensitive land uses. Excessive levels of groundborne vibration of either a regular or an intermittent nature can result in annoyance to residential uses. The potential use of a vibratory roller for project construction, however, would not occur frequently during construction. As there is a relatively limited need for this piece of equipment during construction, it would likely be used very briefly and would affect an individual location for only a matter of minutes during a pass-by. Due to the temporary nature of construction activities and the infrequent potential use of a vibratory roller, impacts related to vibration are considered less than significant.

- c. *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? **No Impact.*** The nearest airports to the project area are Fallbrook Community Airpark, located approximately 5 miles to the north, and Marine Corps Air Station Camp Pendleton, located about 7.5 miles to the west. The project site is not located within noise impact zones for either airport. Therefore, there would be no impact associated with aircraft noise.

3.14 Population and Housing

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?* **No Impact.** The proposed project does not include any new homes or businesses, thus will not directly induce population growth. The project does not propose to substantially increase capital infrastructure or add new capacity intended to indirectly support new growth. Proposed improvements to wastewater facilities are intended to compensate for an existing deficit in system capacity. Therefore, the proposed project would not indirectly induce growth.
- b. *Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?* **No Impact.** The proposed project would not require the removal of existing housing, and therefore, would not necessitate the construction of replacement housing elsewhere. No impact would occur.

3.15 Public Services

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
1) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 1) *Fire Protection? **No Impact.*** Implementation of the proposed project would not result in substantial adverse physical impacts associated with the provision of new or physically altered fire protection facilities. Construction and operation of the proposed project would generate no additional demand for increased public services, as it would involve improvements to the existing sewer system. During construction, fire protection may be required, but these would be short-term demands and would not require increases in the level of public service offered or affect response times. No impact would occur.
- 2) *Police Protection? **No Impact.*** There are no significant impacts related to police protection or service anticipated with implementation of the proposed project, for the same reasons described in Response 3.15(1).
- 3) *Schools? **No Impact.*** The project does not propose new housing and would not directly or indirectly induce population growth such that there would be an increase in demand for school services. Therefore, implementation of the proposed project would not result in the need for construction of additional school facilities. No impact would occur.
- 4) *Parks? **No Impact.*** Implementation of the proposed project would not affect existing park facilities or increase the demand for additional recreational facilities. Therefore, no impacts to parks are anticipated as a result of this project.
- 5) *Other Public Facilities? **No Impact.*** No impacts to other public facilities are anticipated to occur with project implementation.

3.16 Recreation

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities, such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a. *Would the project increase the use of existing neighborhood and regional parks or other recreational facilities, such that substantial physical deterioration of the facility would occur or be accelerated? **No Impact.*** Implementation of the proposed project would not generate an increase in demand on existing public or private parks or other recreational facilities that would either result in or accelerate physical deterioration of these facilities. No impact would occur.
- b. *Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment? **No Impact.*** The proposed project does not include recreational facilities or require the construction or expansion of recreational facilities. No impact would occur.

3.17 Transportation

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a. *Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?* **Less Than Significant Impact.** No long-term increase in traffic generation would occur as a result of the proposed project, as only minimal maintenance activity is anticipated for project operations. Project construction activities would temporarily contribute to additional vehicle trips on the local circulation system. Short-term construction traffic impacts would result from hauling demolition material away from the project site, importing/exporting fill to/from the site, delivering construction materials and supplies to the site, and transporting construction personnel to and from the site. It is assumed that primary access for construction traffic would be from SR 76. Construction would occur over an approximately 10- to 12-month span.

During peak hauling periods associated with transporting waste material off site and bringing building materials to the site, there is the potential for significant impacts to roadway segments and intersections along Old River Road and Camino Del Rey. As discussed in Section 2.8 *Project Description*, the project contractor would be required to prepare and implement a construction traffic control plan as a matter of project design to avoid significant construction-related impacts to nearby streets and intersections. The traffic control plan should include ingress and egress to and from the project site, as well as designated haul routes and use of flag persons. Many of the relatively narrow roadway segments within the project area would be subject to temporary lane closures during pipeline trenching and construction; however, most closures would maintain one lane of travel at all times, with a flag person(s) ensuring safe passage of vehicles approaching and passing through such areas. If road closures would be necessary, they would last for no more than a few days on the affected road segment, and alternate routes/detours would be established to accommodate diverted traffic. Driveway closures would be kept to a minimum, with blockages likely occurring for no more than a few hours at a time. Residents would be notified well in advance of impending closures or blockages related to project construction.

Furthermore, the proposed project is not anticipated to affect public transit, bicycle, or pedestrian facilities. Based on these considerations, impacts to traffic during the construction and operation of

the project would be less than significant, and the project would not conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities.

- b. *Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?* **No Impact.** Refer to Response 3.17a, above. Since the proposed project would generate a short-term increase in construction traffic and no increase in traffic associated with operation, the project would not conflict with *CEQA Guidelines section 15064.3, subdivision (b)*. No impact would occur.
- c. *Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?* **No Impact.** The sewer system improvements associated with the proposed project would not include the construction of hazards (e.g., sharp curves or dangerous intersections), and would not result in incompatible uses with the surrounding developed area. Therefore, no impacts regarding design features or incompatible uses would occur.
- d. *Result in inadequate emergency access?* **Less Than Significant Impact.** Adequate emergency access would be maintained at all times during construction of the proposed project, as ensured by implementation of the traffic control plan described in Response 3.17a. Specifically, lane closures and/or blockages would be temporary and safe passage of vehicles approaching and passing through the area would be ensured by measures in the traffic control plan, including use of a flag person(s). Upon completion of the construction phases, the affected roadways and surrounding areas would be returned to their original condition. Associated impacts would be less than significant. Refer also to Response 3.9g.

3.18 Tribal Cultural Resources

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project cause a substantial adverse change in the significance of a Tribal Cultural Resource (TCR), defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

- a. Would the project cause a substantial adverse change in the significance of a TCR that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?
- b. Would the project cause a substantial adverse change in the significance of a TCR that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

The following discussion addresses questions XVII(a) and (b).

Assembly Bill (AB) 52, effective July 1, 2015, introduced the Tribal Cultural Resource (TCR) as a class of cultural resource and additional considerations relating to Native American consultation into CEQA. A TCR may be considered significant if included in a local or state register of historical resources; determined by the lead agency to be significant pursuant to criteria set forth in Public Resources Code §5024.1; is a geographically defined cultural landscape that meets one or more of these criteria; is a historical resource described in Public Resources Code §21084.1, a unique archaeological resources described in Public Resources Code §21083.2; or is a non-unique archaeological resource if it conforms with the above criteria.

ASM contacted the NAHC for a Sacred Land File (SLF) search of the project site and for a list of consultant tribes with traditional lands or cultural places within the project site. A response was received on August 16, 2016, stating that a search of the SLF “was completed for the USGS quadrangle information provided with negative results.” It was noted that the absence of specific site information does not mean there are no Native American cultural resources within the project area. On August 16, 2016, 28 local tribal groups and individuals were contacted based on recommendations from the NAHC.

Four tribes (the Pala Band of Mission Indians [Pala], the San Luis Rey Band of Mission Indians [San Luis Rey], the Rincon Band of Luiseño Indians [Rincon], and the Viejas Band of Kumeyaay Indians [Viejas]) responded indicating that the project may be within their Traditional Use Areas and/or requested that the District include them in further correspondence about the project. ~~The Viejas Tribe requested that a Kumeyaay cultural monitor, and the San Luis Rey Band Tribe requested that a Luiseño Native American cultural monitor be present during ground disturbing activities.~~

~~A formal consultation meeting with the San Luis Rey Tribe of Mission Indians was held on November 5, 2018, and with the Pala Tribe on October 28, 2020, during which District staff provided an overview of the proposed project and discussed mitigation measures. Staff also indicated that this IS/MND requires that a Native American monitor shall be present during construction of the project as indicated by mitigation measure CUL-1. The District has also initiated consultation extended meeting invitations to with the Rincon Band of Mission Indians, La Jolla Band of Luiseño Indians, San Pasqual Band of Diegueño Mission Indians, and the Pauma Band of Luiseño Indians. In correspondence with the District, Rincon indicated agreement with the mitigation measures in this IS/MND. No response to the meeting invitation was received from the remaining tribes.~~

Implementation of mitigation measures CUL-1 and CUL-2 would reduce potential impacts to TCRs to a less than significant level.

3.19 Utilities and Service Systems

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a. *Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? **Less Than Significant Impact.*** The proposed project does not involve the construction of habitable structures that would generate water, electricity, or natural gas demand or require telecommunications facilities or wastewater storage and treatment facilities. The proposed replacement sewer mains and lift stations have been designed in response to existing wastewater demands and would not result in the construction or expansion of new water or wastewater treatment facilities or expansion of existing facilities. No permanent staffing requirements would be associated with the new lift stations, therefore demand for wastewater services would not increase due to implementation of the project. While the proposed lift stations would require electricity to operate the submersible wastewater pumps, the electricity demand would be minimal and not require the construction or relocation of new facilities. Impacts would be less than significant.
- b. *Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? **Less Than Significant Impact.*** The proposed project does not involve the construction of habitable structures that could generate water demand. Impacts associated with water supplies would be less than significant.
- c. *Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? **No Impact.*** As described in 3.17a, above, the proposed project is

designed to meet existing wastewater demands and would not generate new wastewater flows. The proposed replacement sewer mains and lift stations have been designed in response to existing wastewater demands and would not result in the construction or expansion of new water or wastewater treatment facilities or expansion of existing facilities. Demand for wastewater services would not increase due to implementation of the infrastructure replacement project and there would be no impact related to wastewater treatment capacity at the SLRWTP.

- d. *Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? **Less Than Significant Impact.*** While project construction would generate a limited amount of solid waste, the total volume would be minimal and impacts to landfills would be temporary and negligible. Excavated soil from trenching activities would be temporarily stockpiled and reused as appropriate. The remaining excess excavation material, along with any asphalt and concrete waste resulting from the demolition of existing roadways, would be hauled off site and disposed of at an appropriate facility. The proposed project does not include construction of businesses or residences that would require ongoing solid waste disposal services, and the proposed lift stations would not include restroom facilities. Sufficient landfill capacity exists to serve the project; therefore, impacts would be less than significant.
- e. *Comply with federal, state, and local statutes and regulations related to solid waste? **Less Than Significant Impact.*** The proposed project would comply with applicable, federal, state, and local statutes and regulations related to solid waste, including Title 14, Article 5.9 of the California Code of Regulations, which specifies regulatory requirements for the disposal of construction and demolition debris (CalRecycle 2016). Impacts would be less than significant.

3.20 Wildfire

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The California Department of Forestry and Fire Protection (CAL FIRE) has mapped areas of significant fire hazards in the County through their Fire and Resource Assessment Program (FRAP). These maps place areas of the County into different Fire Hazard Severity Zones (FHSZ) based upon fuels, terrain, weather, and other relevant factors. The FRAP divides areas of significant fire hazard into two designations: State Responsibility Areas (SRA), which are areas where CAL FIRE is responsible for wildfire protection, and Local Responsibility Areas (LRA), where local fire protection agencies are responsible for wildfire protection. The majority of the unincorporated area of the County is SRA lands. The FHSZs are divided into three levels of fire hazard severity: Moderate, High, and Very High. The majority of the County is in the High and Very High FHSZ. According to the maps prepared for the project area by CALFIRE, the project includes components that are within High and Very High FHSZs (CAL FIRE 2020).

- a. *Substantially impair an adopted emergency response plan or emergency evacuation plan? **Less than Significant Impact.*** The proposed project would not substantially impair an adopted emergency response plan or emergency evacuation plan. During construction, portions of the existing roadways, including Old River Road, Camino Del Rey, and Golf Club Drive, would be closed (e.g., up to one lane at a time). However, access would be maintained, and the project would utilize appropriate traffic control measures to ensure continued emergency response and evacuation access. As a matter of project design, the contractor would be required to prepare and comply with a traffic control plan which would include measures to minimize effects related to lane closures and ensure safe passage of evacuees or emergency response vehicles. Operation of the proposed project would not result in an increase in demand for emergency services, which could affect emergency response plan implementation. Therefore, emergency-related impacts would be less than significant.
- b. *Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? **Potentially Significant Unless Mitigated.*** The proposed project would not introduce permanent occupants. In addition, maintenance or construction workers would not be present for extended periods of time and would therefore not be exposed to substantial pollutants from wildfires that may occur in nearby areas. However, as discussed above, the project locations are within High and Very High FHSZs. To minimize the risk of losses resulting from wildfire, the following fire prevention strategies outlined in mitigation measure FIRE-1 would be implemented during project construction.

Implementation of mitigation measure FIRE-1 would be required to reduce impacts to below a level of significance.

FIRE-1 Fire Safety Plan. The following fire prevention strategies would be implemented during project construction:

- Construction within areas of dense foliage during dry conditions will be avoided, when feasible.
- In cases where avoidance is not feasible, brush fire prevention and management practices will be incorporated. Specifics of the brush management program will be incorporated into project construction documents.

- c. *Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?* **No Impact.** The project includes the replacement of sewer mains and lift stations, which would not exacerbate fire risk or result in temporary or ongoing impacts to the environment. No impacts would occur.
- d. *Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?* **No Impact.** The project site is not located within an area identified as susceptible to landslides (County 2007). Project construction would occur within the ROW in previously disturbed roadways and easements, as well as within a former golf course and adjacent disturbed areas. Due to the location of the project and topography of the surrounding area, flooding from runoff is not anticipated to affect the project site. Therefore, the project would not expose people or structures to significant risks associated with runoff, post-fire slope instability, or drainage changes, and impacts would be less than significant.

3.21 Mandatory Findings of Significance

	Potentially Significant	Potentially Significant Unless Mit.	Less Than Significant	No Impact
Would the project:				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Does the project have impacts that are individually limited, but cumulatively considerable ("cumulatively considerable" means the project's incremental effects are considerable when compared to the past, present, and future effects of other projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Does the project have environmental effects which will have substantial adverse effects on human beings, directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- a. *Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?* **Potentially Significant Unless Mitigated.** As described in Section 3.4, Biological Resources, the removal or trimming of trees and other vegetation within the project site during the general bird nesting season has the potential to result in impacts to nesting birds in violation of the MBTA and CFG Code. Implementation of mitigation measure BIO-1 would reduce potentially significant, temporary construction impacts to nesting birds to below a level of significance. No impacts to nesting birds are anticipated once the sewer mains and lift stations have been constructed. Project construction also has the potential to impact sensitive avian species

including Cooper's hawk, coastal California gnatcatcher, least Bell's vireo, and yellow-breasted chat if construction activities were to take place adjacent to suitable habitat during the species' respective breeding seasons. Implementation of mitigation measure BIO-2 would reduce potentially significant, temporary construction impacts to Cooper's hawk, coastal California gnatcatcher, least Bell's vireo, and yellow-breasted chat to below a level of significance. The project would not reduce the habitat of a fish or wildlife species, as no sensitive habitat would be permanently removed. One acre of non-native grassland, which provides suitable habitat for San Diego black-tailed jackrabbit, would be temporarily removed during trenching in the former golf course; however, as a matter of project design, the trenched area would be returned to its pre-construction contours and revegetated with an appropriate native seed mix following completion of construction. No mitigation would be required for this temporary impact. The project would not cause a wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal. Refer to Section 4.4 for further discussion of these issue areas.

As described in Section 3.5, *Cultural Resources*, no substantial adverse change in the significance of historical resources is anticipated to occur as a result of project implementation; thus, it would not eliminate important examples of the major periods of California history. The project has the potential to encounter buried archaeological and paleontological resources during excavation, which could result in significant impacts to important examples in California prehistory; implementation of mitigation measures CUL-1, CUL-2, and GEO-1 would ensure that important examples of California prehistory are not eliminated and potential impacts during construction would be reduced to below a level of significance.

- b. *Does the project have impacts that are individually limited, but cumulatively considerable ("cumulatively considerable" means the project's incremental effects are considerable when compared to the past, present, and future effects of other projects)? **Less Than Significant Impact.*** Cumulative impacts are defined as two or more individual project effects that, when considered together or in concert with other projects, combine to result in a significant impact (CEQA Guidelines Section 15355). The proposed replacement lift station and sewer main project, which is almost exclusively limited to construction-related effects, would not result in impacts that are cumulatively considerable. No significant air or GHG emissions would occur, no sensitive habitat would be permanently removed, impacts to unknown buried cultural resources would be avoided through construction monitoring, and temporary noise effects would be limited through implementation of noise abatement measures.
- c. *Does the project have environmental effects which will have substantial adverse effects on human beings, directly or indirectly? **Potentially Significant Unless Mitigated.*** With the adherence to regulatory codes, ordinances, regulations, standards, and guidelines for a number of issue areas addressed herein, in conjunction with the discussed mitigation measures for cultural resources, noise (NOI-1 and NOI-2), and wildfire (FIRE-1), construction (and operation) of the proposed project would not result in a substantial adverse effect on human beings either directly or indirectly.

4.0 DETERMINATION AND PREPARERS

4.1 Determination

Based on this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described herein have been included in this project. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

4.2 De Minimis Fee Determination (Chapter 1706, Statutes of 1990-AB 3158)

- It is hereby found that this project involves no potential for any adverse effect, either individually or cumulatively, on wildlife resources and that a "Certificate of Fee Exemption" shall be prepared for this project.
- It is hereby found that this project could potentially impact wildlife, individually or cumulatively, and therefore fees shall be paid to the County Clerk in accordance with Section 711.4(d) of the Fish and Game Code.

4.3 Environmental Determination

The initial study for this project has been reviewed and the environmental determination, contained in Section V. preceding, is hereby approved:



Chad Williams, Acting District Engineer
Rainbow Municipal Water District

4.4 Report Preparers

HELIX Environmental Planning, Inc.

Joanne Dramko, AICP, Principal Planner, Project Manager

Brendan Sullivan, Environmental Planner

Jason Runyan, Noise Specialist

Victor Ortiz, Air Quality Specialist

Karl Osmundson, Principal Biologist

Stacie Wilson, RPA, Archeologist

Sean Bohac, GISP, GIS Specialist

Ana Topete, Word/Document Processor

5.0 REFERENCES

ASM Affiliates, Inc. (ASM)

- 2016 Cultural Resources Survey for the Rainbow Municipal Water District Lift Station #1 Replacement Project, Bonsall, San Diego County, California. October 19.
- 2018 Letter Report RE: Cultural Resources Study Augment for the Rainbow Municipal Water District Lift Station #1 Replacement Project, Bonsall, San Diego County, California. January 5.

California Building Standards Commission

- 2010 California Building Code.

California Department of Fire and Forestry (CAL FIRE)

- 2020 Fire Hazard Severity Zone Maps. Available at: <https://www.fire.ca.gov/>.
- 2006 Land Cover Map. Available at: http://frap.fire.ca.gov/data/fraggismaps/pdfs/fvegwhr13b_map.pdf.

California Department of Conservation (CDC)

- 2016 Geologic Map of the Oceanside Quadrangle. Accessed September 28, 2016. Available at: <http://www.quake.ca.gov/gmaps/RGM/oceanside/oceanside.html>.
- 2013 San Diego County Williamson Act Map. Available at: ftp://ftp.consrv.ca.gov/pub/dlrp/wa/San_Diego_w_13_14_WA.pdf.
- 2012 San Diego County Important Farmland Map. Available at: ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2012/sdg12_w.pdf.

California Department of Transportation (Caltrans)

- 2016 California Scenic Highway Mapping System, San Diego County. Accessed September 23, 2016. Available at: http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/.

California Department of Toxic Substances Control

- 2016 EnviroStor Database. Accessed October 13, 2016. Available at: <http://www.envirostor.dtsc.ca.gov/public/>.

County of San Diego (County)

- 2016 Planning and Development Services Zoning and Property Information website. Accessed October 20, 2016. Available at: <https://www.arcgis.com/home/webmap/viewer.html?webmap=f1b69ba9d3dd4940b8d1efcc9dac2ac4>.
- 2011a Bonsall Community Plan. August 3. Available at: http://www.sandiegocounty.gov/content/dam/sdc/pds/docs/CP/Bonsall_CP.pdf.

County of San Diego (cont.)

- 2011b General Plan Update Final Environmental Impact Report. August. Available at: http://www.sandiegocounty.gov/content/dam/sdc/pds/gpupdate/docs/BOS_Aug2011/EIR/FEIR_0.00_Title.TOC_2011.pdf.
- 2009 San Diego County Code of Administrative Ordinances. Title 3, Division 6, Chapter 4. Noise Abatement and Control. January.
- 2008 Guidelines for Determining Significance–Mineral Resources. July 30. Available at: http://www.sandiegocounty.gov/dplu/docs/Mineral_Resources_Guidelines.pdf.
- 2007 Guidelines for Determining Significance–Geologic Hazards. July 30. Available at: http://www.sandiegocounty.gov/dplu/docs/Geologic_Hazards_Guidelines.pdf.

CalRecycle

- 2016 Regulations: Title 14, Natural Resources--Division 7, CIWMB, Chapter 3. Minimum Standards for Solid Waste Handling and Disposal. Accessed October 26, 2016. Available at: <http://www.calrecycle.ca.gov/laws/regulations/title14/ch3a59a.htm>.

Deméré, Thomas A. and Stephen L. Walsh

- 1994 Paleontological Resources–County of San Diego. Department of Paleontology, San Diego Natural History Museum.

Federal Emergency Management Agency (FEMA)

- 2014 A99 Designation, FEMA website. Available at: <http://www.fema.gov/floodplain-management/zone-a99>.

HELIX Environmental Planning, Inc. (HELIX)

- 2020a Air Quality and GHG Modeling Outputs. July 23.
- 2020b Biological Resources Letter Report. October 2020.
- 2016 Construction Noise Modeling Outputs. November 7.

International Conference of Building Officials

- 2006 International Building Code.

Larry Walker and Associates

- 2016 San Luis Rey River Watershed Management Area Water Quality Improvement Plan Provision B.2 Chapter. March. Available at: <http://www.projectcleanwater.org/images/stories/Docs/San-Luis-Rey/WQIP/00%20SLR%20WQIP.March%202016.pdf>.

Regional Standards Committee

- 2009 San Diego Area Regional Standard Drawings. August. Available at: http://www.sandiegocounty.gov/content/dam/sdc/dpw/DPW_STANDARDS/Old_Regional_Standard_Drawings/Regional_Standard_PDF/2009_RSD.pdf.

San Diego Air Pollution Control District (SDAPCD)

- 2012 SDAPCD Redesignation Request and Ozone Maintenance Plan for the 1997 National Ozone Standard. Available at:
https://www.sdapcd.org/content/dam/sdc/apcd/PDF/Air%20Quality%20Planning/8_Hour_O3_Maint-Plan.pdf

State Water Resources Control Board (SWRCB)

- 2017 GeoTracker Database. Accessed October 17, 2017. Available at:
<https://geotracker.waterboards.ca.gov/>.
- 2016 Final 2012 California Integrated Report, Impaired Water Bodies website. Accessed October 17, 2016. Available at:
http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml?tab=map.

6.0 ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
APE	Area of Potential Effects
ASM	ASM Affiliates, Inc.
AQIA	Air Quality Impact Analysis
BLR	Biological Resources Letter Report
BMPs	best management practices
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emission Estimator Model
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CDC	California Department of Conservation
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFG Code	California Fish and Game Code
CH ₄	methane
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
County	County of San Diego
dB	decibels
dBA	A-weighted decibels
District	Rainbow Municipal Water District
DTSC	California Department of Toxic Substances Control
FHSZ	Fire Hazard Severity Zone
FIRM	Flood Insurance Rate Map
FRAP	Fire and Resource Assessment Program
GHGs	greenhouse gases
HELIX	HELIX Environmental Planning, Inc.
HP	horsepower
IBC	International Building Code
ICC	International Code Council
IS/MND	Initial Study/Mitigated Negative Declaration

kW	kilowatt
kWh	kilowatt hour
L _{EQ}	noise equivalent
LF	linear feet
LRA	Local Responsibility Area
LS	Lift Station
MBTA	Migratory Bird Treaty Act
MLD	Most Likely Descendant
MT	metric ton
N ₂ O	nitrous oxide
NAHC	Native American Heritage Commission
NPDES	National Pollutant Discharge Elimination System
NSLU	noise-sensitive land use
O ₃	Ozone
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PVC	Polyvinyl Chloride
RAQS	Regional Air Quality Strategy
River	San Luis Rey River
ROW	right-of-way
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SB	Senate Bill
SDAPCD	San Diego Air Pollution Control District
SLRWTP	San Luis Rey Wastewater Treatment Plant
SRA	State Responsibility Area
SR	State Route
STC	Sound Transmission Class
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USFWS	U.S. Fish and Wildlife Service
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey

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Appendix A

Air Quality and GHG Modeling Outputs

Rainbow MWD Lift Station Replacement - San Diego County, Annual

**Rainbow MWD Lift Station Replacement
San Diego County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	20.03	1.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2020
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 21,229 LF long x 50 LF wide = 640,000 sf / 43,560 sf/acre = 24.37 acres

Construction Phase - Length and Start date of phases obtained from Kennedy/Jenks

Off-road Equipment -

Off-road Equipment -

Energy Use - Electricity from the combined lift station electric pumps. Schoolhouse PS = 393,000 kWh/Year; Thoroughbred PS = 625,000 kWh/Year

Operational Off-Road Equipment - Emergency generator for each Lift Station anticipated to be tested once a month for 15 minutes. Schoolhouse Lift Station = 60 kW (80HP); Thoroughbred Lift Station = 175 kW (235 HP)

Construction Off-road Equipment Mitigation - 2x daily watering

Rainbow MWD Lift Station Replacement - San Diego County, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	35.00	327.00
tblConstructionPhase	NumDays	35.00	521.00
tblConstructionPhase	PhaseEndDate	1/28/2019	4/1/2020
tblConstructionPhase	PhaseEndDate	2/11/2019	1/1/2024
tblConstructionPhase	PhaseStartDate	1/29/2019	1/1/2022
tblEnergyUse	T24E	0.00	1,018,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.00	20.03
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperHorsePower	84.00	80.00
tblOperationalOffRoadEquipment	OperHorsePower	84.00	235.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	0.30
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	0.30
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00

2.0 Emissions Summary

Rainbow MWD Lift Station Replacement - San Diego County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6287	7.1228	4.4320	8.3100e-003	1.2403	0.3111	1.5514	0.4844	0.2862	0.7706	0.0000	746.4380	746.4380	0.2306	0.0000	752.2033
2020	0.1493	1.6583	1.0723	2.1000e-003	0.6375	0.0718	0.7093	0.1575	0.0660	0.2235	0.0000	184.5824	184.5824	0.0583	0.0000	186.0397
2022	0.4798	5.0555	3.8357	8.2600e-003	1.4944	0.2127	1.7071	0.5104	0.1957	0.7061	0.0000	726.4957	726.4957	0.2298	0.0000	732.2399
2023	0.4399	4.4924	3.7026	8.2600e-003	1.4944	0.1853	1.6797	0.5104	0.1705	0.6809	0.0000	725.8334	725.8334	0.2297	0.0000	731.5766
2024	1.6400e-003	0.0162	0.0141	3.0000e-005	0.6937	6.7000e-004	0.6944	0.0763	6.1000e-004	0.0769	0.0000	2.7883	2.7883	8.8000e-004	0.0000	2.8104
Maximum	0.6287	7.1228	4.4320	8.3100e-003	1.4944	0.3111	1.7071	0.5104	0.2862	0.7706	0.0000	746.4380	746.4380	0.2306	0.0000	752.2033

Rainbow MWD Lift Station Replacement - San Diego County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6287	7.1228	4.4320	8.3100e-003	0.4965	0.3111	0.8076	0.1923	0.2862	0.4785	0.0000	746.4371	746.4371	0.2306	0.0000	752.2024
2020	0.1493	1.6583	1.0723	2.1000e-003	0.2519	0.0718	0.3236	0.0623	0.0660	0.1283	0.0000	184.5821	184.5821	0.0583	0.0000	186.0395
2022	0.4798	5.0555	3.8357	8.2600e-003	0.5955	0.2127	0.8082	0.2025	0.1957	0.3981	0.0000	726.4949	726.4949	0.2298	0.0000	732.2390
2023	0.4399	4.4924	3.7026	8.2600e-003	0.5955	0.1853	0.7809	0.2025	0.1705	0.3730	0.0000	725.8326	725.8326	0.2297	0.0000	731.5758
2024	1.6400e-003	0.0162	0.0141	3.0000e-005	0.2706	6.7000e-004	0.2713	0.0298	6.1000e-004	0.0304	0.0000	2.7883	2.7883	8.8000e-004	0.0000	2.8104
Maximum	0.6287	7.1228	4.4320	8.3100e-003	0.5955	0.3111	0.8082	0.2025	0.2862	0.4785	0.0000	746.4371	746.4371	0.2306	0.0000	752.2024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	60.25	0.00	52.83	60.37	0.00	42.71	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.9096	1.9096
2	4-1-2019	6-30-2019	1.9303	1.9303
3	7-1-2019	9-30-2019	1.9515	1.9515
4	10-1-2019	12-31-2019	1.9520	1.9520
5	1-1-2020	3-31-2020	1.7806	1.7806
6	4-1-2020	6-30-2020	0.0196	0.0196

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13	1-1-2022	3-31-2022	1.3689	1.3689
14	4-1-2022	6-30-2022	1.3837	1.3837
15	7-1-2022	9-30-2022	1.3989	1.3989
16	10-1-2022	12-31-2022	1.3993	1.3993
17	1-1-2023	3-31-2023	1.2198	1.2198
18	4-1-2023	6-30-2023	1.2329	1.2329
19	7-1-2023	9-30-2023	1.2465	1.2465
20	10-1-2023	12-31-2023	1.2469	1.2469
21	1-1-2024	3-31-2024	0.0128	0.0128
		Highest	1.9520	1.9520

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	332.6913	332.6913	0.0134	2.7700e-003	333.8517
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	2.2000e-004	2.1400e-003	1.5000e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4769	0.4769	2.0000e-005	0.0000	0.4773
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-004	2.1400e-003	1.5100e-003	1.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	333.1682	333.1682	0.0134	2.7700e-003	334.3291

Rainbow MWD Lift Station Replacement - San Diego County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	332.6913	332.6913	0.0134	2.7700e-003	333.8517
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	2.2000e-004	2.1400e-003	1.5000e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4769	0.4769	2.0000e-005	0.0000	0.4773
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-004	2.1400e-003	1.5100e-003	1.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	333.1682	333.1682	0.0134	2.7700e-003	334.3291

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1	Grading	1/1/2019	4/1/2020	5	327	
2	Phase 2	Grading	1/1/2022	1/1/2024	5	521	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 2	Excavators	2	8.00	158	0.38
Phase 1	Excavators	2	8.00	158	0.38
Phase 1	Graders	1	8.00	187	0.41
Phase 2	Graders	1	8.00	187	0.41
Phase 1	Scrapers	2	8.00	367	0.48
Phase 2	Scrapers	2	8.00	367	0.48
Phase 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Phase 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2194	0.0000	1.2194	0.4788	0.0000	0.4788	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9022	726.9022	0.2300	0.0000	732.6518
Total	0.6184	7.1149	4.3557	8.0900e-003	1.2194	0.3109	1.5303	0.4788	0.2861	0.7649	0.0000	726.9022	726.9022	0.2300	0.0000	732.6518

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3.2 Phase 1 - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.9000e-003	0.0764	2.2000e-004	0.0209	1.5000e-004	0.0211	5.5600e-003	1.4000e-004	5.7000e-003	0.0000	19.5358	19.5358	6.3000e-004	0.0000	19.5515
Total	0.0103	7.9000e-003	0.0764	2.2000e-004	0.0209	1.5000e-004	0.0211	5.5600e-003	1.4000e-004	5.7000e-003	0.0000	19.5358	19.5358	6.3000e-004	0.0000	19.5515

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4756	0.0000	0.4756	0.1867	0.0000	0.1867	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9014	726.9014	0.2300	0.0000	732.6510
Total	0.6184	7.1149	4.3557	8.0900e-003	0.4756	0.3109	0.7865	0.1867	0.2861	0.4728	0.0000	726.9014	726.9014	0.2300	0.0000	732.6510

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3.2 Phase 1 - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.9000e-003	0.0764	2.2000e-004	0.0209	1.5000e-004	0.0211	5.5600e-003	1.4000e-004	5.7000e-003	0.0000	19.5358	19.5358	6.3000e-004	0.0000	19.5515
Total	0.0103	7.9000e-003	0.0764	2.2000e-004	0.0209	1.5000e-004	0.0211	5.5600e-003	1.4000e-004	5.7000e-003	0.0000	19.5358	19.5358	6.3000e-004	0.0000	19.5515

3.2 Phase 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6322	0.0000	0.6322	0.1560	0.0000	0.1560	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1469	1.6565	1.0546	2.0500e-003		0.0717	0.0717		0.0660	0.0660	0.0000	179.7982	179.7982	0.0582	0.0000	181.2519
Total	0.1469	1.6565	1.0546	2.0500e-003	0.6322	0.0717	0.7040	0.1560	0.0660	0.2220	0.0000	179.7982	179.7982	0.0582	0.0000	181.2519

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3.2 Phase 1 - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.8000e-003	0.0177	5.0000e-005	5.2900e-003	4.0000e-005	5.3300e-003	1.4100e-003	4.0000e-005	1.4400e-003	0.0000	4.7842	4.7842	1.4000e-004	0.0000	4.7878
Total	2.4300e-003	1.8000e-003	0.0177	5.0000e-005	5.2900e-003	4.0000e-005	5.3300e-003	1.4100e-003	4.0000e-005	1.4400e-003	0.0000	4.7842	4.7842	1.4000e-004	0.0000	4.7878

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2466	0.0000	0.2466	0.0609	0.0000	0.0609	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1469	1.6565	1.0546	2.0500e-003		0.0717	0.0717		0.0660	0.0660	0.0000	179.7980	179.7980	0.0582	0.0000	181.2517
Total	0.1469	1.6565	1.0546	2.0500e-003	0.2466	0.0717	0.3183	0.0609	0.0660	0.1269	0.0000	179.7980	179.7980	0.0582	0.0000	181.2517

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3.2 Phase 1 - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.8000e-003	0.0177	5.0000e-005	5.2900e-003	4.0000e-005	5.3300e-003	1.4100e-003	4.0000e-005	1.4400e-003	0.0000	4.7842	4.7842	1.4000e-004	0.0000	4.7878
Total	2.4300e-003	1.8000e-003	0.0177	5.0000e-005	5.2900e-003	4.0000e-005	5.3300e-003	1.4100e-003	4.0000e-005	1.4400e-003	0.0000	4.7842	4.7842	1.4000e-004	0.0000	4.7878

3.3 Phase 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4735	0.0000	1.4735	0.5049	0.0000	0.5049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4712	5.0497	3.7754	8.0700e-003		0.2125	0.2125		0.1955	0.1955	0.0000	708.9498	708.9498	0.2293	0.0000	714.6820
Total	0.4712	5.0497	3.7754	8.0700e-003	1.4735	0.2125	1.6861	0.5049	0.1955	0.7004	0.0000	708.9498	708.9498	0.2293	0.0000	714.6820

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3.3 Phase 2 - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.8800e-003	0.0603	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	17.5459	17.5459	4.8000e-004	0.0000	17.5579
Total	8.5500e-003	5.8800e-003	0.0603	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	17.5459	17.5459	4.8000e-004	0.0000	17.5579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5747	0.0000	0.5747	0.1969	0.0000	0.1969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4712	5.0497	3.7754	8.0700e-003		0.2125	0.2125		0.1955	0.1955	0.0000	708.9490	708.9490	0.2293	0.0000	714.6812
Total	0.4712	5.0497	3.7754	8.0700e-003	0.5747	0.2125	0.7872	0.1969	0.1955	0.3924	0.0000	708.9490	708.9490	0.2293	0.0000	714.6812

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3.3 Phase 2 - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5500e-003	5.8800e-003	0.0603	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	17.5459	17.5459	4.8000e-004	0.0000	17.5579
Total	8.5500e-003	5.8800e-003	0.0603	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	17.5459	17.5459	4.8000e-004	0.0000	17.5579

3.3 Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4735	0.0000	1.4735	0.5049	0.0000	0.5049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4318	4.4870	3.6467	8.0700e-003		0.1852	0.1852		0.1704	0.1704	0.0000	708.9577	708.9577	0.2293	0.0000	714.6900
Total	0.4318	4.4870	3.6467	8.0700e-003	1.4735	0.1852	1.6587	0.5049	0.1704	0.6753	0.0000	708.9577	708.9577	0.2293	0.0000	714.6900

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3.3 Phase 2 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	5.3700e-003	0.0559	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	16.8757	16.8757	4.4000e-004	0.0000	16.8866
Total	8.1100e-003	5.3700e-003	0.0559	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	16.8757	16.8757	4.4000e-004	0.0000	16.8866

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5747	0.0000	0.5747	0.1969	0.0000	0.1969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4318	4.4870	3.6467	8.0700e-003		0.1852	0.1852		0.1704	0.1704	0.0000	708.9569	708.9569	0.2293	0.0000	714.6891
Total	0.4318	4.4870	3.6467	8.0700e-003	0.5747	0.1852	0.7599	0.1969	0.1704	0.3673	0.0000	708.9569	708.9569	0.2293	0.0000	714.6891

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3.3 Phase 2 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1100e-003	5.3700e-003	0.0559	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	16.8757	16.8757	4.4000e-004	0.0000	16.8866
Total	8.1100e-003	5.3700e-003	0.0559	1.9000e-004	0.0209	1.4000e-004	0.0210	5.5400e-003	1.3000e-004	5.6700e-003	0.0000	16.8757	16.8757	4.4000e-004	0.0000	16.8866

3.3 Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6937	0.0000	0.6937	0.0762	0.0000	0.0762	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	0.0162	0.0139	3.0000e-005		6.7000e-004	6.7000e-004		6.1000e-004	6.1000e-004	0.0000	2.7260	2.7260	8.8000e-004	0.0000	2.7480
Total	1.6100e-003	0.0162	0.0139	3.0000e-005	0.6937	6.7000e-004	0.6943	0.0762	6.1000e-004	0.0768	0.0000	2.7260	2.7260	8.8000e-004	0.0000	2.7480

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3.3 Phase 2 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0624	0.0624	0.0000	0.0000	0.0624
Total	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0624	0.0624	0.0000	0.0000	0.0624

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2705	0.0000	0.2705	0.0297	0.0000	0.0297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6100e-003	0.0162	0.0139	3.0000e-005		6.7000e-004	6.7000e-004		6.1000e-004	6.1000e-004	0.0000	2.7260	2.7260	8.8000e-004	0.0000	2.7480
Total	1.6100e-003	0.0162	0.0139	3.0000e-005	0.2705	6.7000e-004	0.2712	0.0297	6.1000e-004	0.0303	0.0000	2.7260	2.7260	8.8000e-004	0.0000	2.7480

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3.3 Phase 2 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0624	0.0624	0.0000	0.0000	0.0624
Total	3.0000e-005	2.0000e-005	2.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0624	0.0624	0.0000	0.0000	0.0624

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rainbow MWD Lift Station Replacement - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.588316	0.042913	0.184449	0.110793	0.017294	0.005558	0.015534	0.023021	0.001902	0.002024	0.006181	0.000745	0.001271

5.0 Energy Detail

Historical Energy Use: N

Rainbow MWD Lift Station Replacement - San Diego County, Annual

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.6913	332.6913	0.0134	2.7700e-003	333.8517
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	332.6913	332.6913	0.0134	2.7700e-003	333.8517
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Rainbow MWD Lift Station Replacement - San Diego County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	1.018e+006	332.6913	0.0134	2.7700e-003	333.8517
Total		332.6913	0.0134	2.7700e-003	333.8517

Rainbow MWD Lift Station Replacement - San Diego County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	1.018e+006	332.6913	0.0134	2.7700e-003	333.8517
Total		332.6913	0.0134	2.7700e-003	333.8517

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	1.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Rainbow MWD Lift Station Replacement - San Diego County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

7.0 Water Detail

Rainbow MWD Lift Station Replacement - San Diego County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Rainbow MWD Lift Station Replacement - San Diego County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Rainbow MWD Lift Station Replacement - San Diego County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Rainbow MWD Lift Station Replacement - San Diego County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Generator Sets	1	0.30	12	80	0.74	Diesel
Generator Sets	1	0.30	12	235	0.74	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Generator Sets	2.2000e-004	2.1400e-003	1.5000e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4769	0.4769	2.0000e-005	0.0000	0.4773
Total	2.2000e-004	2.1400e-003	1.5000e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.4769	0.4769	2.0000e-005	0.0000	0.4773

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Rainbow MWD Lift Station Replacement - San Diego County, Annual

Rainbow MWD Lift Station Replacement - San Diego County, Winter

**Rainbow MWD Lift Station Replacement
San Diego County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	20.03	1.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2020
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 21,229 LF long x 50 LF wide = 640,000 sf / 43,560 sf/acre = 24.37 acres

Construction Phase - Length and Start date of phases obtained from Kennedy/Jenks

Off-road Equipment -

Off-road Equipment -

Energy Use - Electricity from the combined lift station electric pumps. Schoolhouse PS = 393,000 kWh/Year; Thoroughbred PS = 625,000 kWh/Year

Operational Off-Road Equipment - Emergency generator for each Lift Station anticipated to be tested once a month for 15 minutes. Schoolhouse Lift Station = 60 kW (80HP); Thoroughbred Lift Station = 175 kW (235 HP)

Construction Off-road Equipment Mitigation - 2x daily watering

Rainbow MWD Lift Station Replacement - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	55	61
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	55	61
tblConstructionPhase	NumDays	35.00	327.00
tblConstructionPhase	NumDays	35.00	521.00
tblConstructionPhase	PhaseEndDate	1/28/2019	4/1/2020
tblConstructionPhase	PhaseEndDate	2/11/2019	1/1/2024
tblConstructionPhase	PhaseStartDate	1/29/2019	1/1/2022
tblEnergyUse	T24E	0.00	1,018,000.00
tblLandUse	LandUseSquareFeet	0.00	1.00
tblLandUse	LotAcreage	0.00	20.03
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	12.00
tblOperationalOffRoadEquipment	OperHorsePower	84.00	80.00
tblOperationalOffRoadEquipment	OperHorsePower	84.00	235.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	0.30
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	0.30
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00

2.0 Emissions Summary

Rainbow MWD Lift Station Replacement - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.8277	54.5817	33.9616	0.0636	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	6,303.402 2	6,303.402 2	1.9479	0.0000	6,352.100 0
2020	4.5332	50.2530	32.4928	0.0636	8.8376	2.1751	11.0127	3.6401	2.0011	5.6411	0.0000	6,164.091 7	6,164.091 7	1.9472	0.0000	6,212.771 2
2022	3.6992	38.8895	29.5042	0.0636	8.8376	1.6360	10.4736	3.6401	1.5051	5.1452	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5
2023	3.3923	34.5576	28.4801	0.0635	8.8376	1.4256	10.2632	3.6401	1.3115	4.9516	0.0000	6,153.157 0	6,153.157 0	1.9479	0.0000	6,201.854 7
2024	3.2854	32.4155	28.1232	0.0634	8.8376	1.3365	10.1741	3.6401	1.2296	4.8696	0.0000	6,145.851 1	6,145.851 1	1.9471	0.0000	6,194.527 3
Maximum	4.8277	54.5817	33.9616	0.0636	8.8376	2.3838	11.2215	3.6401	2.1931	5.8332	0.0000	6,303.402 2	6,303.402 2	1.9482	0.0000	6,352.100 0

Rainbow MWD Lift Station Replacement - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.8277	54.5817	33.9616	0.0636	3.5469	2.3838	5.9307	1.4462	2.1931	3.6393	0.0000	6,303.402 2	6,303.402 2	1.9479	0.0000	6,352.100 0
2020	4.5332	50.2530	32.4928	0.0636	3.5469	2.1751	5.7220	1.4462	2.0011	3.4473	0.0000	6,164.091 7	6,164.091 7	1.9472	0.0000	6,212.771 2
2022	3.6992	38.8895	29.5042	0.0636	3.5469	1.6360	5.1829	1.4462	1.5051	2.9513	0.0000	6,158.715 7	6,158.715 7	1.9482	0.0000	6,207.421 5
2023	3.3923	34.5576	28.4801	0.0635	3.5469	1.4256	4.9725	1.4462	1.3115	2.7578	0.0000	6,153.157 0	6,153.157 0	1.9479	0.0000	6,201.854 7
2024	3.2854	32.4155	28.1232	0.0634	3.5469	1.3365	4.8834	1.4462	1.2296	2.6758	0.0000	6,145.851 1	6,145.851 1	1.9471	0.0000	6,194.527 3
Maximum	4.8277	54.5817	33.9616	0.0636	3.5469	2.3838	5.9307	1.4462	2.1931	3.6393	0.0000	6,303.402 2	6,303.402 2	1.9482	0.0000	6,352.100 0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.87	0.00	49.78	60.27	0.00	41.49	0.00	0.00	0.00	0.00	0.00	0.00

Rainbow MWD Lift Station Replacement - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.0370	0.3561	0.2504	9.3000e-004		0.0136	0.0136		0.0136	0.0136		87.6142	87.6142	3.2100e-003		87.6944
Total	0.0371	0.3561	0.2505	9.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136		87.6145	87.6145	3.2100e-003	0.0000	87.6947

Rainbow MWD Lift Station Replacement - San Diego County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.0370	0.3561	0.2504	9.3000e-004		0.0136	0.0136		0.0136	0.0136		87.6142	87.6142	3.2100e-003		87.6944
Total	0.0371	0.3561	0.2505	9.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136		87.6145	87.6145	3.2100e-003	0.0000	87.6947

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1	Grading	1/1/2019	4/1/2020	5	327	
2	Phase 2	Grading	1/1/2022	1/1/2024	5	521	

Acres of Grading (Site Preparation Phase): 0

Rainbow MWD Lift Station Replacement - San Diego County, Winter

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 2	Excavators	2	8.00	158	0.38
Phase 1	Excavators	2	8.00	158	0.38
Phase 1	Graders	1	8.00	187	0.41
Phase 2	Graders	1	8.00	187	0.41
Phase 1	Scrapers	2	8.00	367	0.48
Phase 2	Scrapers	2	8.00	367	0.48
Phase 1	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 1	Rubber Tired Dozers	1	8.00	247	0.40
Phase 2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 2	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.2 Phase 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	8.6733	2.3827	11.0560	3.5965	2.1920	5.7885		6,140.0195	6,140.0195	1.9426		6,188.5854

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.2 Phase 1 - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	3.3826	2.3827	5.7653	1.4026	2.1920	3.5947	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146
Total	0.0888	0.0616	0.5848	1.6400e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		163.3828	163.3828	5.2700e-003		163.5146

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.2 Phase 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	0.1643	1.1500e-003	0.1655	0.0436	1.0600e-003	0.0446		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0831	0.0555	0.5345	1.5900e-003	0.1643	1.1500e-003	0.1655	0.0436	1.0600e-003	0.0446		158.2264	158.2264	4.7600e-003		158.3455

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.2 Phase 1 - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	3.3826	2.1739	5.5565	1.4026	2.0000	3.4026	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	0.1643	1.1500e-003	0.1655	0.0436	1.0600e-003	0.0446		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0831	0.0555	0.5345	1.5900e-003	0.1643	1.1500e-003	0.1655	0.0436	1.0600e-003	0.0446		158.2264	158.2264	4.7600e-003		158.3455

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.3826	1.6349	5.0175	1.4026	1.5041	2.9067	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	8.6733	1.4245	10.0978	3.5965	1.3105	4.9070		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711
Total	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.3826	1.4245	4.8071	1.4026	1.3105	2.7132	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711
Total	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		141.6792	141.6792	3.6800e-003		141.7711

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	8.6733	1.3354	10.0087	3.5965	1.2286	4.8251		6,009.7487	6,009.7487	1.9437		6,058.3405

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868
Total	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868

Rainbow MWD Lift Station Replacement - San Diego County, Winter

3.3 Phase 2 - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	3.2181	32.3770	27.7228	0.0621	3.3826	1.3354	4.7180	1.4026	1.2286	2.6312	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868
Total	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446		136.1024	136.1024	3.3800e-003		136.1868

4.0 Operational Detail - Mobile

Rainbow MWD Lift Station Replacement - San Diego County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.588316	0.042913	0.184449	0.110793	0.017294	0.005558	0.015534	0.023021	0.001902	0.002024	0.006181	0.000745	0.001271

Rainbow MWD Lift Station Replacement - San Diego County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Rainbow MWD Lift Station Replacement - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Rainbow MWD Lift Station Replacement - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Rainbow MWD Lift Station Replacement - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	4.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Generator Sets	1	0.30	12	80	0.74	Diesel
Generator Sets	1	0.30	12	235	0.74	Diesel

Rainbow MWD Lift Station Replacement - San Diego County, Winter

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Generator Sets	0.0370	0.3561	0.2504	9.3000e-004		0.0136	0.0136		0.0136	0.0136		87.6142	87.6142	3.2100e-003		87.6944
Total	0.0370	0.3561	0.2504	9.3000e-004		0.0136	0.0136		0.0136	0.0136		87.6142	87.6142	3.2100e-003		87.6944

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Appendix B

Biological Resources Letter Report

October 30, 2020

KJC-19

Mr. Michael Powers, P.E.
Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

Subject: Biological Resources Letter Report for the Rainbow Municipal Water District Lift Station
No. 1 Replacement Project

Dear Mr. Powers:

At the request of the Rainbow Municipal Water District (District) and Kennedy/Jenks Consultants, HELIX Environmental Planning, Inc. (HELIX) has completed this biological resources letter report for the Lift Station No. 1 Replacement Project (project) located in the unincorporated community of Bonsall, San Diego County, California. The project generally proposes improvements to existing waste water facilities associated with the District's existing Lift Station 1 (LS1).

The purpose of this report is to document the existing biological conditions within the project alignment and provide an analysis of potential impacts to sensitive biological resources with respect to local, state, and federal policy. This report provides the biological resources technical documentation necessary for review under the California Environmental Quality Act (CEQA) by District and other responsible agencies for the project.

Figures and other supporting information are provided as enclosures attached to this letter report.

INTRODUCTION

Project Location

The Lift Station No. 1 Replacement Project is located in the community of Bonsall, in unincorporated northwestern San Diego County north of the City of Vista, east of Marine Corps Base Camp Pendleton, south of Fallbrook, and west of Interstate 15 (Figure 1). The project alignment is near the center of Bonsall Sections 20, 29, 30, and 31 of Township 10S, Range 3W, on the U.S. Geological Survey (USGS) Bonsall 7.5-minute quadrangle (Figure 2). The project sewer main alignment comprises the existing District right-of-way (ROW), which closely corresponds to the ROW of Old River Road from Little Gopher Canyon Road north for approximately 1.6 miles, until it turns into Camino Del Rey, and eventually turns

southeast for 700 feet into the former San Luis Rey Downs Golf Club. A short spur of the alignment extends from Old River Road onto Golf Club Drive for approximately 500 feet (Figure 3). The alignment also follows Camino Del Rey westward and extends 600 feet along Olive Hill Road. From the intersection of Camino Del Rey and State Route (SR-) 76, the alignment extends north and runs adjacent to SR-76 for 0.7 mile.

Project Description

The proposed project would entail improvements to facilities associated with the District's existing LS1. LS1 would be retained in place and protected during construction of adjacent facilities. The proposed project includes installation of two new lift stations and six segments of new sewer main to replace existing sewer main.

The existing LS1 is currently operating over capacity. To avoid the installation of a replacement inverted siphon across the San Luis Rey River, the District proposes to split the flows associated with existing LS1 into two new lift stations. This would be accomplished by constructing a new lift station, along with associated piping (as needed), one on each side of the River: Thoroughbred Lift Station (LS) on the northwest side and Schoolhouse LS on the southeast side.

The project would install approximately 21,000 linear feet (LF) of new sewer main along the described alignment to replace existing sewer main of a similar length. New sewer main would be installed within roadways and existing trenches as much as possible. Where the alignment crosses Moosa Creek and the San Luis Rey River, new sewer main would be suspended from existing bridges. In the northern portion of the alignment, sewer main would be installed across drainages between Olive Hill Road and the Thoroughbred LS and between the Thoroughbred LS and South Mission Road using trenchless methods (i.e., jack and bore). Trenchless methods would also be used to install sewer main below the intersection of Camino Del Rey and SR-76 (i.e., pipe bursting) Launching and receiving pits for trenchless methods would be dug in disturbed areas within the ROW.

A conservative buffer to accommodate construction activities is assumed to extend to 25 feet on either side of the centerline of the roads where existing mains will be replaced or relocated (i.e., Old River Road, Camino del Rey, Golf Club Drive). A 50-foot construction buffer has been applied to the Thoroughbred LS and Schoolhouse LS sites, as well as to the segment of the LS1-NE gravity main that exits Camino del Rey at the northern end of the project alignment (in the former golf course). Areas outside of existing roadways that are temporarily impacted by construction of the LS1-NE gravity main will be returned to their pre-impact contours following construction and revegetated with a native seed mix appropriate to the surrounding area.

METHODS

Literature Review

Prior to conducting biological field surveys, HELIX conducted a search of the California Natural Diversity Database (CNDDDB; California Department of Fish and Wildlife [CDFW] 2020a-c) for information regarding sensitive species known to occur within one mile of the project alignment, as well as a review of U.S.

Fish and Wildlife Service (USFWS) database (2016) and California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants.

General Biological Survey

A general biological survey of the study area was conducted by HELIX biologists Joshua Zinn and George Aldridge on September 3, 2014, with additional surveys conducted by HELIX biologist Stacy Nigro on July 13 and August 5, 2016, and by HELIX biologist Talaya Rachels on October 9, 2017. A rare plant survey was conducted by HELIX biologist Angelia Bottiani on May 22, 2020. Vegetation was mapped on a 1"=250' aerial photograph. The study area was surveyed on foot and with the aid of binoculars. Plant and animal species observed or otherwise detected during the survey were recorded (Attachments A and B). Animal identifications were made in the field by direct, visual observation, or indirectly by detection of calls, burrows, tracks, or scat. Plant identifications were made in the field or in the lab through comparison with voucher specimens or photographs.

Jurisdictional Delineation

An initial jurisdictional delineation of the study area was conducted by HELIX on September 3, 2014, concurrent with the initial general biological survey. The delineation was conducted to identify and map water and wetland resources potentially subject to U.S. Army Corps of Engineers (USACE) jurisdiction pursuant to Section 404 of the Clean Water Act (CWA; 33 USC 1344), Regional Water Quality Control Board (RWQCB) jurisdiction pursuant to Section 401 of the CWA and State Porter-Cologne Water Quality Control Act, and streambed and riparian habitat potentially subject to CDFW jurisdiction pursuant to Sections 1600 *et seq.* of the California Fish and Game Code (CFG Code). Additional areas within the biological resources study area were examined by HELIX in preliminary jurisdictional delineations whereby potential jurisdictional boundaries were estimated based primarily on vegetation and hydrology indicators observed in the field and desktop review of various data.

Survey Limitations

Noted animal species were identified by direct observation, vocalizations, or the observance of scat, tracks, or other signs. However, the lists of species identified are not necessarily comprehensive accounts of all species that utilize the project alignment as species that are nocturnal, secretive, or seasonally restricted may not have been observed. Those species that are of special status and have potential to occur in the project alignment are addressed in Attachment C of this report.

Nomenclature

Nomenclature for this report is from Baldwin et al. (2012), and the California Native Plant Society (CNPS; 2018) for plants, Holland (1986) and Oberbauer (2008) for vegetation communities, Collins and Taggart (2006) for reptiles and amphibians, American Ornithologists' Union (2014) for birds, and Baker et al. (2003) for mammals. Sensitive plant species status is taken from CNPS (2018). Sensitive animal species status is taken from CDFW's CNDDDB (2020a-c). Soils information was taken from the Natural Resources Conservation Service (NRCS; 2019).

EXISTING CONDITIONS

General Land Uses

Land uses in the study area include open space, agriculture, residential development, a former golf course, and transportation. Within the ROW, land uses are almost entirely transportation—Old River Road, Camino del Rey, SR-76, Olive Hill Road, and Golf Club Drive and their shoulders—except for the section of alignment within the former San Luis Rey Downs Golf Club. The Schoolhouse LS site would occur on a residential site, as it would be constructed on a parcel within the future Golf Green Estates development. The Thoroughbred LS site would occur on vacant land adjacent to commercial and residential uses. Land uses surrounding the study area are mostly low-density rural residential and agriculture in unincorporated Bonsall, and transportation in the SR-76 corridor (Figure 3).

Disturbance

Most of the study area shows signs of past and/or current disturbance. The ROW is mostly unvegetated, and almost entirely disturbed. Pavement and disturbed land make up the entirety of the ROW along Old River Road. The ROW continues along the pavement of Camino Del Rey, turning southeast through the former San Luis Rey Downs Golf Club and into non-native grassland. Outside of the ROW, the study area includes areas of native vegetation in the San Luis Rey River and on slopes east of Old River Road, areas of active or past agriculture that are in various states of disturbance ranging from bare ground to non-native grassland, and areas of residential development.

The ROW and areas along Old River Road, Camino del Rey, SR-76, Olive Hill Road, and Golf Club Drive are subject to constant disturbance by vehicles and traffic noise, and developed areas experience night lighting, runoff from irrigated landscaping, and human and domestic animal incursion. Non-native plant species are common in all vegetated parts of the study area.

Topography and Soils

The study area is mostly within the historic floodplain of the San Luis Rey River and topography is generally flat with steep slopes to the east of Old River Road. The study area slopes gently south, from highs of 175 feet above mean sea level at the junction of Golf Club Drive and Old River Road and 160 feet in Moosa Creek, to a low of 142 feet at the south end of the study area. Elevations in places on the slopes along the east side of Old River Road are higher, but these are well outside of the ROW. Soils in the majority of the study area are Riverwash and Tujunga sand. Soils in the ROW are coarse/rocky- to fine- sandy loams in nine soil series (NRCS 2019).

Vegetation Communities/Habitat Types

The study area currently supports eight vegetation communities or land cover types (Table 1; Figures 4a through 4c): mulefat scrub, southern cottonwood-willow riparian forest (including disturbed), southern willow scrub, Diegan coastal sage scrub, non-native grassland, extensive agriculture, disturbed habitat, and developed land.

Table 1
EXISTING VEGETATION COMMUNITIES WITHIN THE STUDY AREA

Vegetation Community ¹	Area (acre)
Mulefat scrub	0.02
Southern cottonwood-willow riparian forest (including disturbed; 61330)	25.33
Southern willow scrub (63320)	8.02
Diegan coastal sage scrub (including disturbed; 32510)	19.46
Non-native grassland (42200)	19.43
Extensive agriculture (18300)	5.92
Disturbed habitat (11300)	80.51
Developed land (including concrete-lined channel; 12000)	78.15
TOTAL	236.88

¹Vegetation community codes are from Oberbauer (2008)

Mulefat Scrub

Mulefat scrub is a depauperate, shrubby riparian scrub community dominated by mulefat (*Baccharis salicifolia*) and interspersed with small willows (*Salix* spp.). This vegetation community occurs along intermittent stream channels with a fairly coarse substrate and moderate depth to the water table. This early seral community is maintained by frequent flooding, the absence of which would lead to a cottonwood or sycamore dominated riparian woodland or forest (Holland 1986), provided the requisite hydrology is present to support the greater water needs of those habitats. One small patch of sparse mulefat scrub occurs in an ephemeral drainage north of Little Gopher Canyon Road and consists of only mulefat with no other riparian species.

Southern Cottonwood-Willow Riparian Forest (including Disturbed)

Southern cottonwood-willow riparian forest is composed of winter-deciduous trees that require water near the soil surface. Willow (*Salix* spp.), Fremont cottonwood (*Populus fremontii*), and western sycamore (*Platanus racemosa*) form a dense, medium height canopy along rivers and in mesic canyons and streambeds. Associated understory species include mulefat, stinging nettle (*Urtica dioica* ssp. *holosericea*), and wild grape (*Vitis girdiana*). Southern cottonwood-willow riparian forest dominates the broad riparian corridor of the San Luis Rey River west of the study area and borders Old River Road along much of its western edge south of the former San Luis Rey Downs Golf Club. South of Dentro de Lomas Road, southern cottonwood-willow riparian forest near Old River Road is less dense and more disturbed by non-native species than in other parts of the study area.

Southern Willow Scrub

Southern willow scrub consists of dense, broad-leaved, winter-deciduous stands of trees dominated by shrubby willows in association with mulefat, and with scattered emergent Fremont cottonwood and western sycamore. This vegetation community appears as a single layer; it lacks separate shrub and tree layers and generally appears as a mass of short trees or large shrubs. It occurs on loose, sandy or fine

gravelly alluvium deposited near stream channels during flood flows. Frequent flooding maintains this early seral community, preventing succession to a riparian woodland or forest.

Southern willow scrub within Moosa Creek and the San Luis Rey River corridor includes a mixed herbaceous understory of both upland and wetland annual species. Herbaceous vegetation observed includes common seasonal wetland species such as willow herb (*Epilobium ciliatum*), celery (*Apium graveolens*), great marsh evening primrose (*Oenothera elata* ssp. *hookeri*), water mint (*Mentha aquatica*), cocklebur (*Xanthium strumarium*), slim aster (*Symphotrichum subulatum*), and annual beardgrass (*Polypogon monspeliensis*), as well as upland species such as western ragweed (*Ambrosia psilostachya*), prickly sow-thistle (*Sonchus asper*), caterpillar phacelia (*Phacelia cicutaria*), and white sweet-clover (*Melilotus alba*). This mixed herbaceous understory is likely a result of the prolonged drought conditions in the region, and not characteristic of these areas in wetter years.

Diegan Coastal Sage Scrub (including Disturbed)

Coastal sage scrub is one of the two major shrub types that occur in southern California, occupying xeric sites characterized by shallow soils (the other is chaparral). Four distinct coastal sage scrub geographical associations (northern, central, Venturan, and Diegan) are recognized along the California coast. Diegan coastal sage scrub may be dominated by a variety of species depending upon soil type, slope, and aspect. Typical species found within Diegan coastal sage scrub include California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum* ssp. *fasciculatum*), laurel sumac (*Malosma laurina*), and black sage (*Salvia mellifera*). Diegan coastal sage scrub covers the slopes east of Old River Road in the southern portion of the study area and south of Olive Hill Road in the northern portion of the study area. Disturbed Diegan Coastal Sage Scrub occurs west of SR-76 north of the Thoroughbred LS site.

Non-native Grassland

Non-native grassland is a dense to intermediate cover of annual grasses, often associated with numerous species of showy-flowered native annual forbs. This association occurs on gradual slopes with deep, fine-textured, usually clay soils. Characteristic species include wild oats (*Avena* spp.), red brome (*Bromus rubens*), ripgut (*Bromus diandrus*), ryegrass (*Festuca* spp.), and mustard (*Brassica* sp.). Most of the annual introduced species that make up the majority of species and biomass within the non-native grassland originated from the Mediterranean region, an area with a long history of agriculture and a climate similar to California. These two factors, in addition to intensive grazing and agricultural practices in conjunction with severe droughts, contributed to the successful invasion and establishment of these species and the replacement of native grasslands with an annual-dominated non-native grassland. Non-native grassland in the study area occurs at the northern end of the project alignment within the former golf course, and covers disturbed areas east of the ROW of Old River Road as well as a large area of former California black walnut (*Juglans californica*) orchard west of Old River Road near the southern end of the study area. Dominant species in non-native grassland are wild oats and ripgut.

Extensive Agriculture

Extensive agriculture comprises pastures and row crops. Both land covers typically feature dense covers of non-native species in a monoculture, with bare ground between rows in the case of row crops. Large

areas east of Old River Road were bare at the time of the survey but had been recently plowed and are presumably used for extensive agriculture; however, there were no crop species evident at the time.

Disturbed Habitat

Disturbed habitat is land that has been physically disturbed by human activity to the point that it no longer supports a recognizable native or naturalized vegetation association, but that retains a soil substrate. If vegetation is present, it consists of an assemblage of weedy, predominantly non-native species that typically follow disturbance. The species present will depend on local colonization potential. Vegetated disturbed habitat is distinguished from non-native grassland by having less than a 50 percent cover of grass species. Most of the study area in the immediate vicinity of the proposed pipeline alignment is disturbed habitat, including the shoulders of Old River Road, Camino Del Rey, and Golf Club Drive, a large bare area across Old River Road from Bonsall Elementary School, and the former golf course (San Luis Rey Downs Golf Club). Both proposed lift station sites and the surrounding vicinity are composed entirely of disturbed habitat.

Developed Land

Developed land is where permanent structures and/or pavement have been placed, which prevents the growth of vegetation, or where landscaping is clearly tended and maintained. Developed land in the study area includes paved streets such as Old River Road, Camino Del Rey, and Golf Club Drive, houses, and landscaping.

Flora

A total of 73 plant species were recorded in the study area, of which 37 are native (Attachment A).

Fauna

A total of 27 animal species were observed or otherwise detected in the survey area during the biological surveys, including five invertebrate, one reptile, 17 bird species, and four mammal species (Attachment B).

SENSITIVE BIOLOGICAL RESOURCES

Sensitive Vegetation Communities/Habitat Types

Sensitive vegetation communities/habitat types are defined as land that supports unique vegetation communities or the habitats of rare or endangered species or subspecies of animals or plants as defined by Section 15380 of the State CEQA Guidelines.

Sensitive vegetation communities/habitat types mapped within the project alignment include mule fat scrub, southern cottonwood-willow riparian forest, southern willow scrub, Diegan coastal sage scrub, and non-native grassland.

Special Status Species

Special Status Plant Species

No sensitive plant species were observed in the study area. The CNDDDB queries returned 35 sensitive vascular plant species and three sensitive non-vascular plant species within a one mile radius of the project alignment. These 38 species were analyzed for potential to occur in the study area based on ecological requirements and known ranges (Attachment C). Of these sensitive plant species, two species have high potential to occur in the study area: San Diego Ambrosia (*Ambrosia pumila*) and Robinson's peppergrass (*Lepidium virginicum* var. *robinsonii*).

San Diego Ambrosia (Federally Endangered; California Rare Plant Rank 1B.1)

San Diego ambrosia is a perennial herb found in disturbed areas within chaparral, valley grassland, and coastal sage scrub communities. It is considered rare, threatened, or endangered in California and elsewhere and seriously threatened (over 80 percent of occurrences are threatened). San Diego Ambrosia prefers habitat in creek beds, seasonally dry drainages, floodplains, and valley bottoms. Suitable habitat for this species occurs throughout the study area.

Robinson's Pepper Grass (California Rare Plant Rank 1B.2)

Robinson's pepper grass is an herbaceous annual found in coastal sage scrub and chaparral in southwestern California and the Channel Islands. It is considered rare, threatened, or endangered in California and elsewhere and moderately threatened (20-80 percent of occurrences threatened). Robinson's pepper grass typically occurs in dry, exposed areas in sage scrub and chaparral, outside of the shrub canopy. Suitable habitat in the study area is confined to Diegan coastal sage scrub located off site on slopes east of Old River Road.

Special Status Animal Species

No special status animal species were observed or otherwise detected in the study area. The CNDDDB queries returned 47 sensitive animal species within a one mile radius of the project alignment, including one invertebrate, one fish, 13 amphibians and reptiles, 16 birds, and 16 mammals. These 47 species were analyzed for potential to occur in the study area based on habitat affinities and known ranges (Attachment C). Of these sensitive animal species, five have high potential to occur in the study area: Cooper's hawk (*Accipiter cooperi*), yellow-breasted chat (*Icteria virens*), coastal California gnatcatcher (*Polioptila californica californica*), least Bell's vireo (*Vireo bellii pusillus*), and San Diego black-tailed jackrabbit (*Lepus californicus bennettii*).

Cooper's hawk (State Species of Special Concern [SSC])

Cooper's hawk nests in riparian trees and coast live oaks, and forages in open areas in marginal woodland. Cooper's hawk is considered a Species of Special Concern by CDFW, which carries no formal legal status; however, CEQA requires full analysis of proposed project impacts to such species. Suitable nesting and foraging habitat occurs in the study area along Old River Road.

Yellow-breasted chat (SSC)

Yellow-breasted chat is a songbird that inhabits mature riparian woodland, and CNDDDB includes records for this species in the San Luis Rey River near the study area. Yellow-breasted chat is considered a Species of Special Concern by CDFW. Suitable habitat for the yellow-breasted chat in the study area includes riparian scrub and forest along the western side of Old River Road; riparian vegetation in Moosa Creek is not sufficiently dense to support the yellow-breasted chat.

Coastal California gnatcatcher (FT/SSC)

Coastal California gnatcatcher is a songbird that occurs in coastal sage scrub and CNDDDB includes records for this species near the study area. Coastal California gnatcatcher is a federally listed threatened, state Species of Special Concern. Suitable habitat for Coastal California gnatcatcher in the study area includes Diegan coastal sage scrub that occurs along the eastern side of Old River Road.

Least Bell's vireo (Federal Endangered; State Endangered)

Least Bell's vireo is a songbird that occurs in dense riparian thickets along major rivers in San Diego County, and CNDDDB includes numerous records for this species in the San Luis Rey River near the study area. Least Bell's vireo is listed as Endangered under both the federal and state ESAs. Suitable habitat for least Bell's vireo in the study area occurs along the western side of Old River Road; riparian vegetation in Moosa Creek is not sufficiently dense to support least Bell's vireo.

San Diego black-tailed jackrabbit

San Diego black-tailed jackrabbit is one of 17 recognized subspecies of black-tailed jackrabbit that are widespread throughout western North America. San Diego black-tailed jackrabbit occurs west of the mountains from southern Santa Barbara County to northern Baja California and favors open habitats with some shrub cover, including coastal sage scrub, grasslands, and croplands. Suitable habitat for San Diego black-tailed jackrabbit occurs in the study area, but is restricted to off-site habitat located east of Old River Road, primarily in disturbed areas, non-native grassland, and fallow agricultural fields.

Nesting Birds

The project alignment is characterized almost completely by developed land; however, there are several non-native trees on the site that provide suitable nesting habitat for several common (non-sensitive) bird species known to the region and protected under the federal Migratory Bird Treaty Act (MBTA) and CFG Code.

Raptor Foraging

No raptors were observed or detected near the project alignment during the biological survey. Several raptors known to the region have the potential to forage over the general area surrounding the project alignment; however, the project alignment itself does not provide raptor foraging habitat due to its developed nature, small size, overall poor quality habitat, and proximity to regular human activity.

Jurisdictional Waters and Wetlands

Potentially jurisdictional resources in the study area include wetland and non-wetland waters of the U.S./State subject to USACE/RWQCB jurisdiction, and riparian habitat and streambed subject to CDFW jurisdiction only (Table 2). Wetland waters of the U.S. comprise vegetated channel within Moosa Creek, San Luis Rey River, and an unnamed tributary to the San Luis Rey River; non-wetland waters of the U.S. include an unvegetated portion of Moosa Creek where it passes underneath Old River Road, seasonal drainage channels along Old River Road, the portion of the San Luis Rey River that is shaded by the bridge on Camino Del Rey, and a concrete-lined channel that runs beneath SR-76. Areas subject to CDFW jurisdiction include 33.37 acres of riparian vegetation and 1.27 acre of unvegetated streambed. Unvegetated streambed includes a portion of Moosa Creek where it passes underneath Old River Road, seasonal drainage channels along Old River Road, and the concrete-lined channel beneath SR-76.

Table 2
JURISDICTIONAL WATERS AND WETLANDS

Jurisdictional Resources	Type	Area (acre)
Waters of the U.S./State – USACE/RWQCB Jurisdiction		
Vegetated	Wetland	25.76
Seasonal drainage/unvegetated channel	Non-wetland	0.90
	TOTAL	26.66
Riparian Habitat and Streambed – CDFW Jurisdiction		
Mulefat scrub	Riparian	0.02
Southern cottonwood-willow riparian forest	Riparian	22.02
Southern cottonwood-willow riparian forest-Disturbed	Riparian	3.31
Southern willow scrub	Riparian	8.02
Streambed	Streambed	1.27
	TOTAL	34.63

U.S. Army Corps of Engineers/Regional Water Quality Control Board Jurisdiction

Wetland waters of the U.S. in the study area are located within Moosa Creek, San Luis Rey River, and an unnamed tributary to the San Luis Rey River (Figure 5). Moosa Creek is a seasonal tributary to the San Luis Rey River, with a well-defined channel that supports perennial riparian vegetation along portions of its length. Wetland waters of the U.S. extend over the width of the Moosa Creek channel immediately upstream and downstream of the Old River Road bridge crossing, as defined by the ordinary high water marks (OHWMs), and are made up of southern willow scrub vegetation (Figure 5).

Non-wetland waters of the U.S. in the study area comprise seasonal drainage channels that cross Old River Road through culverts, a short reach of Moosa Creek underneath the Old River Road bridge where no vegetation grows, the reach of the San Luis Rey River underneath Camino Del Rey where no vegetation grows, and a concrete-lined channel that is tributary to the San Luis Rey River (Figure 5). The seasonal drainage channels exhibit identifiable beds and banks, but support only upland vegetation, with sparse individuals of riparian shrubs such as mulefat and tamarisk (*Tamarix* spp.) occurring at culvert inlets where Old River Road causes seasonal ponding. These seasonal drainages range between

two and six feet in width, as defined by the OWHMs, and are tributary to the San Luis Rey River. Moosa Creek, the San Luis Rey River, and all three seasonal drainage channels have hydrologic connection to U.S. territorial seas.

California Department of Fish and Wildlife Jurisdiction

The CDFW jurisdiction in the study area is located in the San Luis Rey River and an unnamed tributary, in addition to Moosa Creek, along the west side of Old River Road between the former San Luis Rey Downs Golf Club and Little Gopher Canyon Road, and three seasonal drainages that cross Old River Road in culverts (Figure 6). The extent of CDFW jurisdiction in Moosa Creek is defined by the maximum extent of riparian vegetation (southern willow scrub) associated with those watercourses; CDFW jurisdiction along Old River Road correspond to riparian vegetation (southern cottonwood-willow riparian forest) west of the road and a small patch of mulefat east of the road; and CDFW jurisdiction in the three seasonal drainages associated with the culverts under Old River Road is defined as between the top of bank of each drainage channel (two to six feet wide). These latter features are considered unvegetated streambeds, in addition to a concrete-lined channel that is tributary to the San Luis Rey River in the northern portion of the study area.

Habitat Connectivity and Wildlife Corridors

Wildlife corridors connect otherwise isolated pieces of habitat and allow movement or dispersal of plants and animals. Local wildlife corridors allow access to resources such as food, water, and shelter within the framework of their daily routine. Regional corridors provide these functions over a larger scale and link two or more large habitat areas, allowing the dispersal of organisms and the consequent mixing of genes between populations. A corridor is a specific route that is used for the movement and migration of species, and may be different from a linkage in that it represents a smaller or narrower avenue for movement. A linkage is an area of land that supports or contributes to the long-term movement of animals and genetic exchange by providing live-in habitat that connects to other habitat areas. Many linkages occur as stepping-stone linkages that are made up of a fragmented archipelago arrangement of habitat over a linear distance.

Moosa Creek and the San Luis Rey River are within linkages identified in the draft North County Multiple Species Conservation Program, and both function as wildlife corridors in the project vicinity. Existing roadways, such as SR-76, Camino del Rey, Old River Road, and Golf Club Drive constrain these corridors by interrupting connectivity between the riparian areas and undeveloped hillsides along portions of the alignment. Existing residential, commercial, and industrial development within the project vicinity further constrains wildlife movement in the area. Despite the surrounding development that fragments habitat and constrains wildlife movement along these corridors, both areas support important foraging, breeding, migration, and dispersal habitat for numerous species. Although adjacent to native habitat along much of its length, the majority of the project alignment is within existing roadways, which do not contribute to wildlife corridor functions.

APPLICABLE REGULATIONS

This section provides a summary of applicable regulations to the proposed project.

Federal Government

Federal Endangered Species Act

Administered by the USFWS, the Federal Endangered Species Act (FESA) provides the legal framework for the listing and protection of species (and their habitats) that are identified as being endangered or threatened with extinction. Actions that jeopardize endangered or threatened species and the habitats upon which they rely are considered a “take” under the FESA. Section 9(a) of the FESA defines take as “to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct.” “Harm” and “harass” are further defined in federal regulations and case law to include actions that adversely impair or disrupt a listed species’ behavioral patterns.

The USFWS designates critical habitat for endangered and threatened species. Critical habitat is defined as areas of land that are considered necessary for endangered or threatened species to recover. The ultimate goal is to restore healthy populations of listed species within their native habitats so they can be removed from the list of threatened or endangered species. Once an area is designated as critical habitat pursuant to the FESA, federal agencies must consult with the USFWS to ensure that any action they authorize, fund, or carry out is not likely to result in destruction or adverse modification of the critical habitat.

Sections 7 and 10(a) of the FESA regulate actions that could jeopardize endangered or threatened species. Section 7 generally describes a process of federal interagency consultation and issuance of a biological opinion and incidental take statement when federal actions may adversely affect listed species. Section 10(a) generally describes a process for preparation of a Habitat Conservation Plan and issuance of an incidental take permit.

Migratory Bird Treaty Act

All migratory bird species that are native to the United States or its territories are protected under the federal MBTA, as amended under the Migratory Bird Treaty Reform Act of 2004 (FR Doc. 05-5127). The MBTA is generally protective of migratory birds but does not actually stipulate the type of protection required. In common practice, the MBTA is now used to place restrictions on disturbance of active bird nests during the nesting season. In addition, the USFWS commonly places restrictions on disturbances allowed near active raptor nests.

Clean Water Act

Impacts to waters of the U.S. are regulated by the USACE under Section 404 of the CWA (33 U.S. Code [USC] 401 et seq.; 33 USC 1344; USC 1413), and the Department of Defense, Department of the Army, and USACE (33 CFR Part 323). A federal CWA Section 404 Permit is required for impacts related to dredge, fill, or discharge in waters of the U.S. Impacts are typically permitted with a Nationwide Permit or an Individual Permit depending on the amount of impact.

A CWA Section 401 Water Quality Certification administered by the RWQCB must be issued prior to any 404 Permit. All areas considered USACE jurisdictional would be covered under the 401 Certification.

State of California

California Environmental Quality Act

Primary environmental legislation in California is found in CEQA and its implementing guidelines (State CEQA Guidelines), which require that projects with potential adverse effects (or impacts) on the environment undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

California Endangered Species Act

The California Endangered Species Act (CESA) established that it is State policy to conserve, protect, restore, and enhance State endangered species and their habitats. Under State law, plant and animal species may be formally designated rare, threatened, or endangered by official listing by the California Fish and Game Commission. The CESA authorizes that private entities may “take” plant or wildlife species listed as endangered or threatened under the FESA and CESA, pursuant to a federal Incidental Take Permit if the CDFW certifies that the incidental take is consistent with CESA (CFG Code Section 2080.1[a]). For State-only listed species, Section 2081 of CFG Code authorizes the CDFW to issue an Incidental Take Permit for State listed threatened and endangered species if specific criteria are met.

California Fish and Game Code

The CFG Code provides specific protection and listing for several types of biological resources. Pursuant to CFG Code Section 3503, it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Raptors and owls and their active nests are protected by CFG Code Section 3503.5, which states that it is unlawful to take, possess, or destroy any birds of prey or to take, possess, or destroy the nest or eggs of any such bird unless authorized by the CDFW. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the MBTA. These regulations could require that construction activities (particularly vegetation removal or construction near nests) be reduced or eliminated during critical phases of the nesting cycle unless surveys by a qualified biologist demonstrate that nests, eggs, or nesting birds will not be disturbed, subject to approval by CDFW and/or USFWS.

Section 1600 of CFG Code requires a Streambed Alteration Agreement (SAA) for any activity that would alter the flow, change, or use any material from the bed, channel, or bank of any perennial, intermittent, or ephemeral river, stream, and/or lake. Typical activities that require an SAA include excavation or fill placed within a channel, vegetation clearing, structures for diversion of water, installation of culverts and bridge supports, cofferdams for construction dewatering, and bank reinforcement. Notification is required prior to any such activities.

ANALYSIS OF PROJECT EFFECTS AND PROPOSED MITIGATION MEASURES

An analysis of project effects and proposed mitigation measures is presented below in accordance with the State CEQA Guidelines.

ISSUE 1 – SPECIAL STATUS SPECIES

Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS?

Issue 1 Impact Analysis

Less than Significant Impact with Mitigation. No special status plant or animal species were determined to have a high potential to occur within the project alignment itself; none were observed or otherwise detected on site or within the larger study area during biological surveys. Two special status plant species (San Diego ambrosia and Robinson's pepper grass) were determined to have a high potential to occur within the study area due to the presence of suitable habitat within the study area. No San Diego ambrosia were detected within the study area during the May 2020 focused rare plant survey; therefore, impacts to San Diego ambrosia are not expected to occur. No direct impacts would occur to Diegan coastal sage scrub as a result of the project; as such, impacts to Robinson's pepper grass are not expected to occur.

Five special status animal species were determined to have a high potential to occur within the study area due to the presence of suitable habitat outside of the alignment but within the larger study area: Cooper's hawk, yellow-breasted chat, coastal California gnatcatcher, least Bell's vireo, and San Diego black-tailed jackrabbit. No direct impacts would occur to the habitats of Cooper's hawk, yellow-breasted chat, coastal California gnatcatcher, or least Bell's vireo as a result of the project; as such, direct impacts to these four special status species would not occur. Suitable habitat for San Diego black-tailed jackrabbit only occurs in off-site areas east of Old River Road and Camino del Rey; of these areas, only the non-native grassland off of Camino del Rey would be impacted by project trenching and the impacts would be temporary (Figure 7a). As a matter of project design, the trenched areas within non-native grassland would be returned to their pre-disturbance contours and revegetated with an appropriate native seed mix following construction. Accordingly, impacts to San Diego black-tailed jackrabbit would be less than significant.

Temporary noise impacts from construction activities could occur to the following species during their respective breeding seasons: coastal California gnatcatcher (February 15-August 31), raptors (January 15-July 15), or least Bell's vireo and yellow-breasted chat (March 15-September 15). Such impacts could result in substantial adverse effects if noise from construction resulted in these species failing to breed or abandoning a nest. Suitable riparian habitat and coastal sage scrub along Old River Road occur off site and outside of the proposed pipeline alignment. Therefore, no direct impacts would occur and potential effects are restricted to indirect noise-related impacts during construction only, as further discussed below.

Noise impacts could occur along Old River Road south of the former San Luis Rey Downs Golf Club, where the proposed pipeline alignment is adjacent to southern cottonwood-willow riparian forest, southern willow scrub, and Diegan coastal sage scrub. Noise in excess of a 60 decibels/hour average (dBh⁻¹) could disrupt nesting activities in habitat that occurs within 500 feet of work areas and that falls within the 60 dBh⁻¹ noise contour. Construction-generated noise during periods outside of the breeding seasons for each respective species would not be considered a significant impact.

Implementation of Mitigation Measure Bio-1 would reduce potential impacts on nesting birds to less than significant. Implementation of Mitigation Measure Bio-2 would reduce potential noise-related indirect impacts on coastal California gnatcatcher, least Bell's vireo, yellow-breasted chat, and Cooper's hawk to less than significant.

Issue 1 Mitigation Measures

BIO-1 **Pre-Construction Nesting Bird Survey and Avoidance.** Project activities requiring the removal and/or trimming of vegetation suitable for nesting birds shall occur outside of the general bird breeding season (February 15-August 31). If the activities cannot avoid the general bird breeding season, a qualified biologist shall be retained to conduct a pre-activity nesting bird survey within seven days prior to the activities to confirm the presence or absence of active bird nests. If no active bird nests are found by the qualified biologist, then the activities shall proceed with the reassurance that no violation of the MBTA and CFG Code would occur. If an active bird nest is found by the qualified biologist, then vegetation removal and/or trimming activities at the nest location shall not be allowed to occur until the qualified biologist has determined that the nest is no longer active.

BIO-2 **Pre-Construction Sensitive Bird Surveys and Noise Attenuation.** No construction activities shall occur between January 15 and September 15 in areas adjacent to southern willow scrub, southern cottonwood-willow riparian forest, or Diegan coastal sage scrub until the following conditions have been met:

- A. A qualified biologist shall survey areas that would be subject to construction noise levels exceeding 60 dBh^{-1} for the presence of the coastal California gnatcatcher, least Bell's vireo, yellow-breasted chat, and Cooper's hawk. Surveys for the species shall be conducted pursuant to the protocol survey guidelines established by the USFWS within the breeding season prior to the commencement of construction. If any of these species are present, then the following conditions must be met:

If operation of construction equipment occurs during the breeding seasons for the coastal California gnatcatcher (February 15-August 31), nesting raptors (January 15-July 15), or least Bell's vireo (March 15-September 15), pre-construction survey(s) shall be conducted by a qualified biologist as appropriate to determine whether these species occur within the areas potentially impacted by noise. An analysis showing that either: (1) noise generated by construction activities would not exceed 60 dBh^{-1} at the edge of occupied habitat, or (2) existing ambient noise levels already exceed 60 dBh^{-1} must be completed by a qualified acoustician (possessing current noise engineer license or registration with monitoring noise level experience with listed animal species) at least two weeks prior to the commencement of construction activities. Prior to the commencement of any construction activities, areas restricted from such activities shall be staked or fenced under the supervision of a qualified biologist; or

At least two weeks prior to the commencement of construction activities, under the direction of a qualified acoustician, noise attenuation measures (e.g., berms, walls) shall be implemented to ensure that noise levels resulting from construction activities will not exceed 60 dBh-1 at the edge of habitat occupied by the listed species. Concurrent with the commencement of construction activities and the construction of necessary noise attenuation facilities, noise monitoring* shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dBh-1. If the noise attenuation techniques implemented are determined to be inadequate by the qualified acoustician or biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved or until the end of the breeding season (September 16).

* Construction noise monitoring shall continue at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the USFWS and CDFW, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- B. If the listed species are not detected during the survey, no noise mitigation measures would be necessary.

Conclusions

The project could result in impacts to nesting birds protected under the MBTA and CFG Code; however, with implementation of mitigation measures BIO-1 and BIO-2, impacts would be reduced to less than significant.

ISSUE 2 – RIPARIAN HABITAT AND SENSITIVE NATURAL COMMUNITIES

Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the CDFW or USFWS?

Issue 2 Impact Analysis

Less Than Significant Impact. No permanent impacts to sensitive vegetation communities would result from the project, which occurs almost entirely within existing roads and disturbed lands (Figures 7a through 7d). The only impact to a sensitive vegetation community consists of one acre of temporary impacts to non-native grassland within the former golf course. These temporary impacts would result from trenching for installation of the gravity main, after which the area would be returned to its pre-impact contours following construction and revegetated with a native seed mix appropriate to the

surrounding area as a matter of project design. The project would not permanently impact sensitive natural communities.

Table 3
IMPACTS TO SENSITIVE VEGETATION COMMUNITIES

Vegetation Community	Existing	Impact* (acre)
Mulefat scrub	0.02	--
Southern cottonwood-willow riparian forest (including disturbed)	25.33	--
Southern willow scrub	8.02	--
Diegan coastal sage scrub (including disturbed)	19.46	--
Non-native grassland	19.43	0.23
TOTAL	72.26	0.23

*All impacts are temporary

Issue 2 Mitigation Measures

No mitigation is required. Temporarily impacted non-native grassland would be returned to its pre-impact contours following construction and revegetated with a native seed mix appropriate to the surrounding area. No permanent impact would occur.

Conclusion

The project would not result in permanent impacts to sensitive vegetation communities and no mitigation is required.

ISSUE 3 – JURISDICTIONAL WETLANDS AND WATERWAYS

Would the project have a substantial adverse effect on federally-protected wetlands as defined by Section 404 of the federal CWA (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Issue 3 Impact Analysis

No Impact. No impacts to jurisdictional wetlands or waterways would result from the project. The project would avoid ground disturbance in Moosa Creek and the River by using existing bridge structures to support the proposed pipeline above-ground (Figures 7a and 7b). Impacts to non-wetland waters (seasonal drainage channels and streambed) along Old River Road would be avoided by employing construction fencing and flagging where they meet Old River Road (Figures 5 and 6). The proposed alignment adjacent to SR-76, in the northern portion of the project, would be installed using trenchless methods (i.e. jack and bore) where the alignment would cross existing drainages between Olive Hill Road and the Thoroughbred LS site and between the Thoroughbred LS site and South Mission Road (Figure 7a). Launching and receiving pits for trenchless methods would be dug in disturbed areas within the ROW. By implementing this precaution as a matter of project design, impacts to non-wetland waters of the U.S. or waters of the State would be avoided.

Issue 3 Mitigation Measures

No mitigation is required.

Conclusion

The project would not result in impacts to federally-protected wetlands or waterways and no mitigation is required.

ISSUE 4 – WILDLIFE MOVEMENT AND NURSERY SITES

Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory corridors, or impede the use of native wildlife nursery sites?

Issue 4 Impact Analysis

Less than Significant Impact. Moosa Creek and the San Luis Rey River both function as wildlife corridors in the project vicinity. However, the majority of the alignment is within existing roadways, which do not contribute to wildlife corridor functions or nursery sites. The existing roadways already act as a barrier to wildlife movement between upland and riparian areas, and project construction within the roadways would not further inhibit wildlife movement, particularly since most movement is expected to follow existing creek corridors. A small segment of the alignment is within non-native grassland; however, this area is parallel to existing residential development to the north, and relatively expansive areas of abandoned golf course to the south, which connect to Moosa Creek. Trenching in this area would not result in placement of barriers to wildlife movement along the creek or within the former golf course, and wildlife would continue to be able to move through the area. Potential impacts on wildlife corridors and nursery sites would be less than significant.

Issue 4 Mitigation Measures

None required.

Conclusion

Project implementation would result in less than significant impacts on wildlife movement and nursery sites. No mitigation is required.

ISSUE 5 – ADOPTED PLANS

Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?

Issue 5 Impact Analysis

No Impact. The project alignment is not located within the boundaries of any adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan. The project would not conflict with such plans and no impact would occur.

Issue 5 Mitigation Measures

None required.

Conclusion

Project implementation would not result in significant impacts to any adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan. No mitigation is required.

ISSUE 6 – LOCAL POLICIES OR ORDINANCES

Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Issue 6 Impact Analysis

No Impact. The project would not conflict with any local policies or ordinances protecting biological resources, and no impact would occur.

Issue 6 Mitigation Measures

No mitigation is required.

Conclusion

Project implementation would not result in significant impacts to any local policies or ordinances protecting biological resources. No mitigation is required.

We appreciate the opportunity to provide you with this letter report. Please do not hesitate to contact me or Karl Osmundson at (619) 462-1515 if you have any questions or require further assistance.

Sincerely,



Katie Bellon
Biologist

Attachments:

- Figure 1: Regional Location Map
- Figure 2: Project Vicinity Map (USGS Topography)
- Figure 3: Project Vicinity Map (Aerial Photograph)
- Figure 4a-d: Vegetation
- Figure 5: USACE Jurisdiction
- Figure 6: CDFW Jurisdiction
- Figure 7a-d: Project Alignment/Impacts
- Attachment A: Plant Species Observed
- Attachment B: Animal Species Observed or Detected
- Attachment C: Sensitive Species Potential to Occur
- Attachment D : Site Photos

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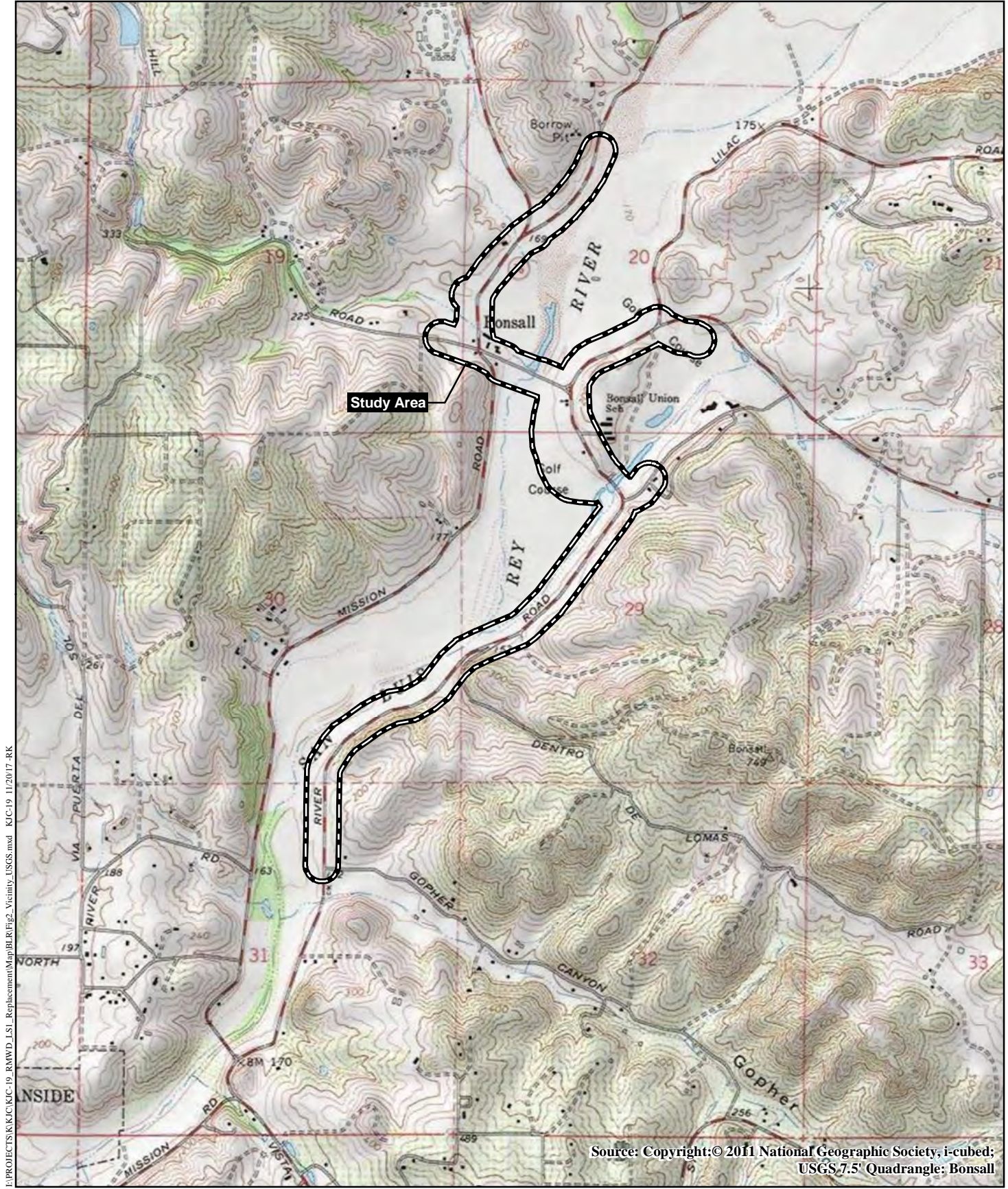
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REFERENCES

- American Ornithologists' Union. 2014. American Ornithologists' Union Checklist of North and Middle American Birds. 7th Edition and Supplements. Retrieved from: <http://www.aou.org/checklist/north/print.php>.
- Baker, R.J., L.C. Bradley, R.D. Bradley, J.W. Drago, M.D. Engstrom, R.S. Hoffmann, C.A. Jones, F. Reid, D.W. Rice, and C. Jones. 2003. Revised checklist of North American Mammals north of Mexico. Occasional Papers of the Museum, Texas Tech University 223.
- Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken, editors. 2012. The Jepson Manual: Vascular Plants of California, second edition. University of California Press, Berkeley.
- California Department of Fish and Wildlife. 2020a. State and Federally Listed Endangered, Threatened, and Rare Plants of California. Biogeographic Data Branch, California Natural Diversity Database. September. Retrieved from: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109390&inline=1>
- 2020b. State and Federally Listed Endangered and Threatened Animals of California. State of California. Biogeographic Data Branch, California Natural Diversity Database. July. Retrieved from: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109405&inline=1>
- 2020c. Special Animals List. Biogeographic Data Branch, California Natural Diversity Database. Periodic publication. 51 pp. July. Retrieved from: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109406&inline=1>.
- California Native Plant Society. 2018. Inventory of Rare and Endangered Plants (online edition, v8-02). Rare Plant Program. California Native Plant Society, Sacramento, CA. Retrieved from: <http://www.rareplants.cnps.org>. Accessed May 2020.
- Collins, J.T. and T.W. Taggart. 2006. The Center for North American Herpetology (CNAH): The Academic Portal to North American Herpetology. Retrieved from: <http://www.cnah.org/index.asp>.
- Holland, R.F. 1986. Preliminary Descriptions of the Terrestrial Natural Communities of California. State of California, The Resources Agency, 156 pp.
- Natural Resource Conservation Service. 2019. Web Soil Survey. Retrieved from: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. Accessed June 2020.
- Oberbauer, T., M. Kelly, and J. Buegge. 2008. Draft Vegetation Communities of San Diego County. Based on "Preliminary Descriptions of the Terrestrial Natural Communities of California," R. F. Holland, Ph.D., October 1986. March. Revised from 1996 and 2005. July.
- U.S. Fish and Wildlife Service. 2020. Species Occurrence Database. Accessed June 2020.

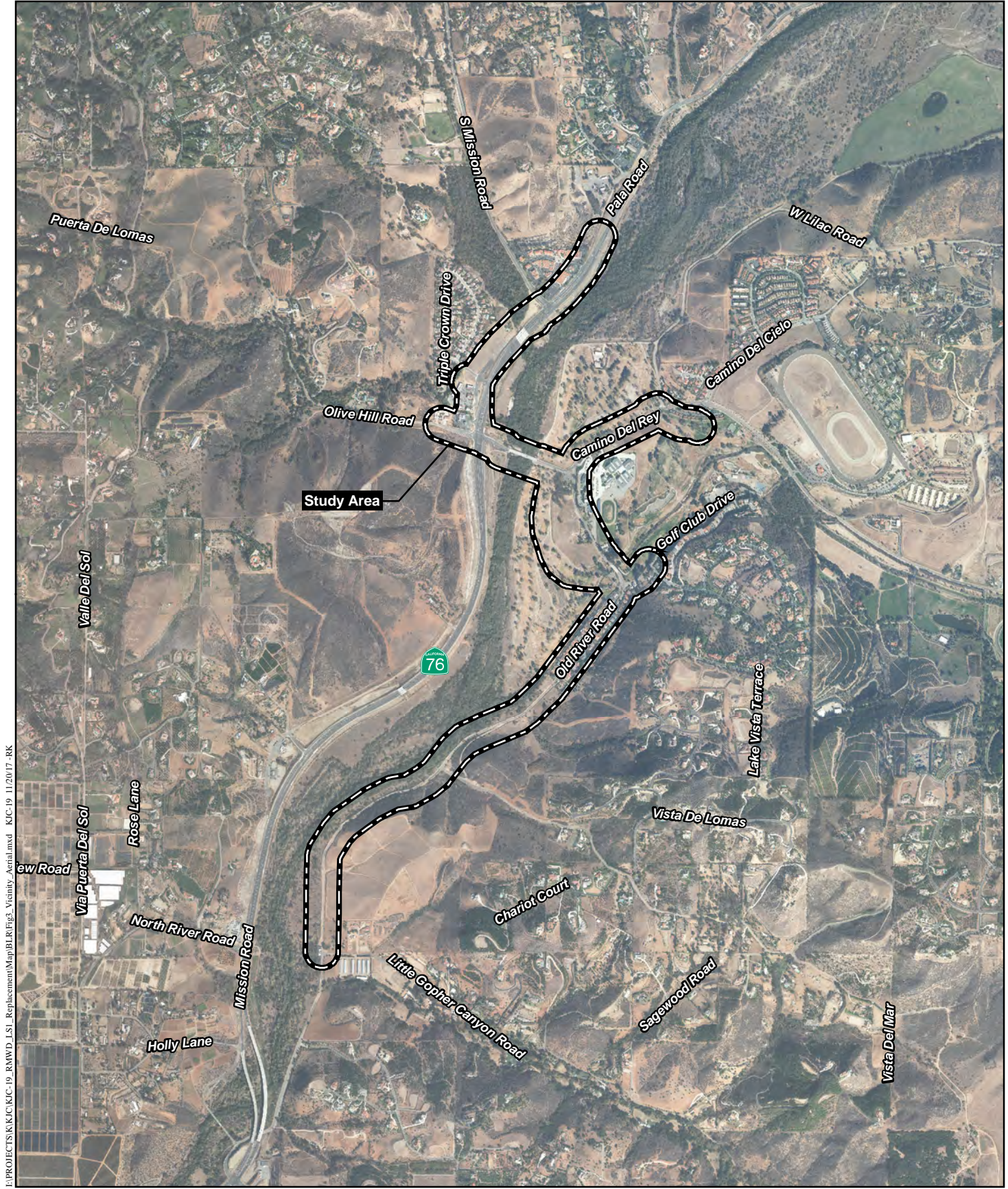


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Source: Copyright: © 2011 National Geographic Society, i-cubed;
USGS 7.5' Quadrangle: Bonsall

Project Vicinity Map (USGS Topography)










RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

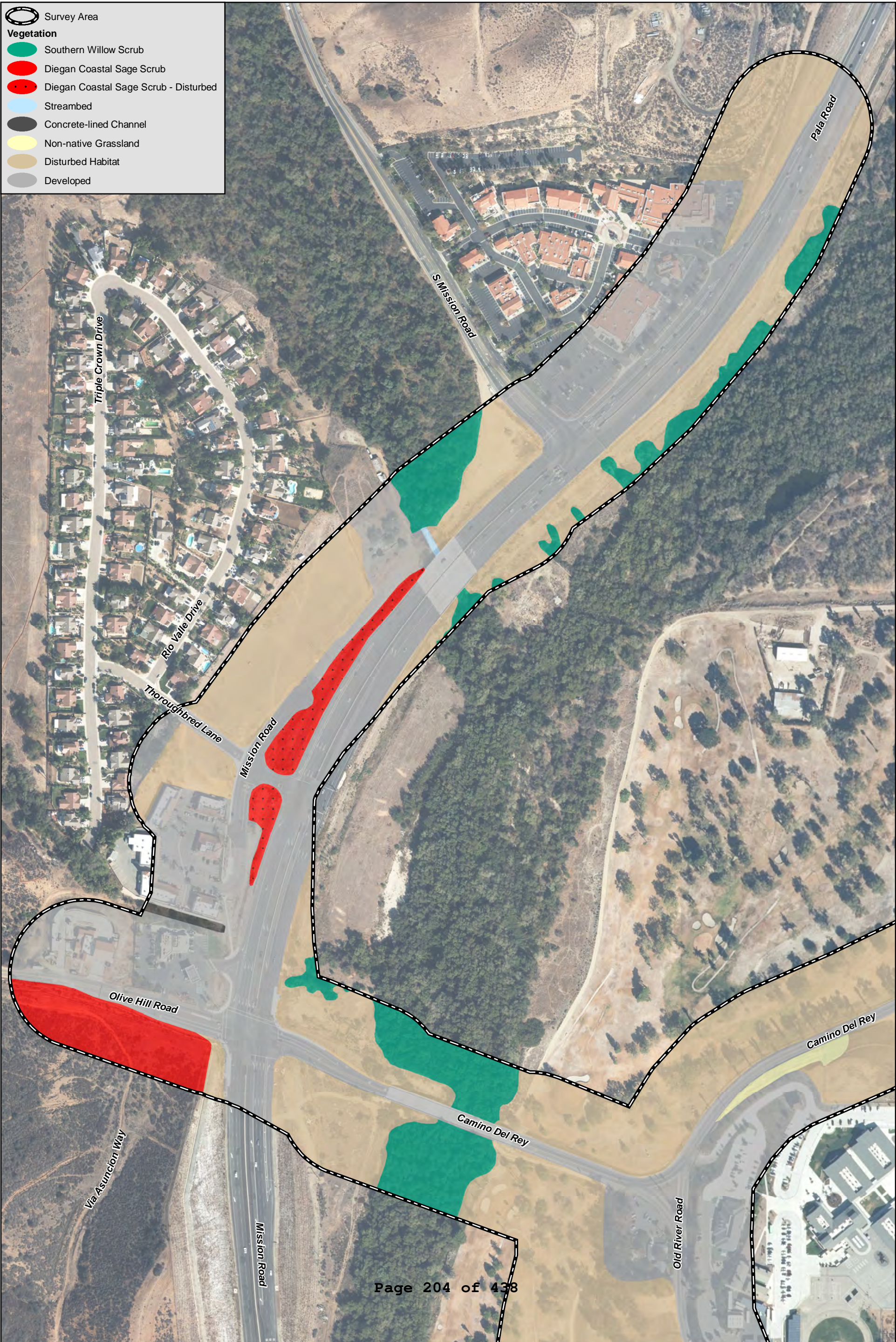


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Project Vicinity Map (Aerial Photograph)

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

-  Survey Area
- Vegetation**
-  Southern Willow Scrub
-  Diegan Coastal Sage Scrub
-  Diegan Coastal Sage Scrub - Disturbed
-  Streambed
-  Concrete-lined Channel
-  Non-native Grassland
-  Disturbed Habitat
-  Developed



Vegetation

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT








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Vegetation

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

Figure 4b

-  Survey Area
- Vegetation**
-  Southern Cottonwood Willow Riparian Forest
-  Southern Willow Scrub
-  Diegan Coastal Sage Scrub
-  Non-native Grassland
-  Disturbed Habitat
-  Developed



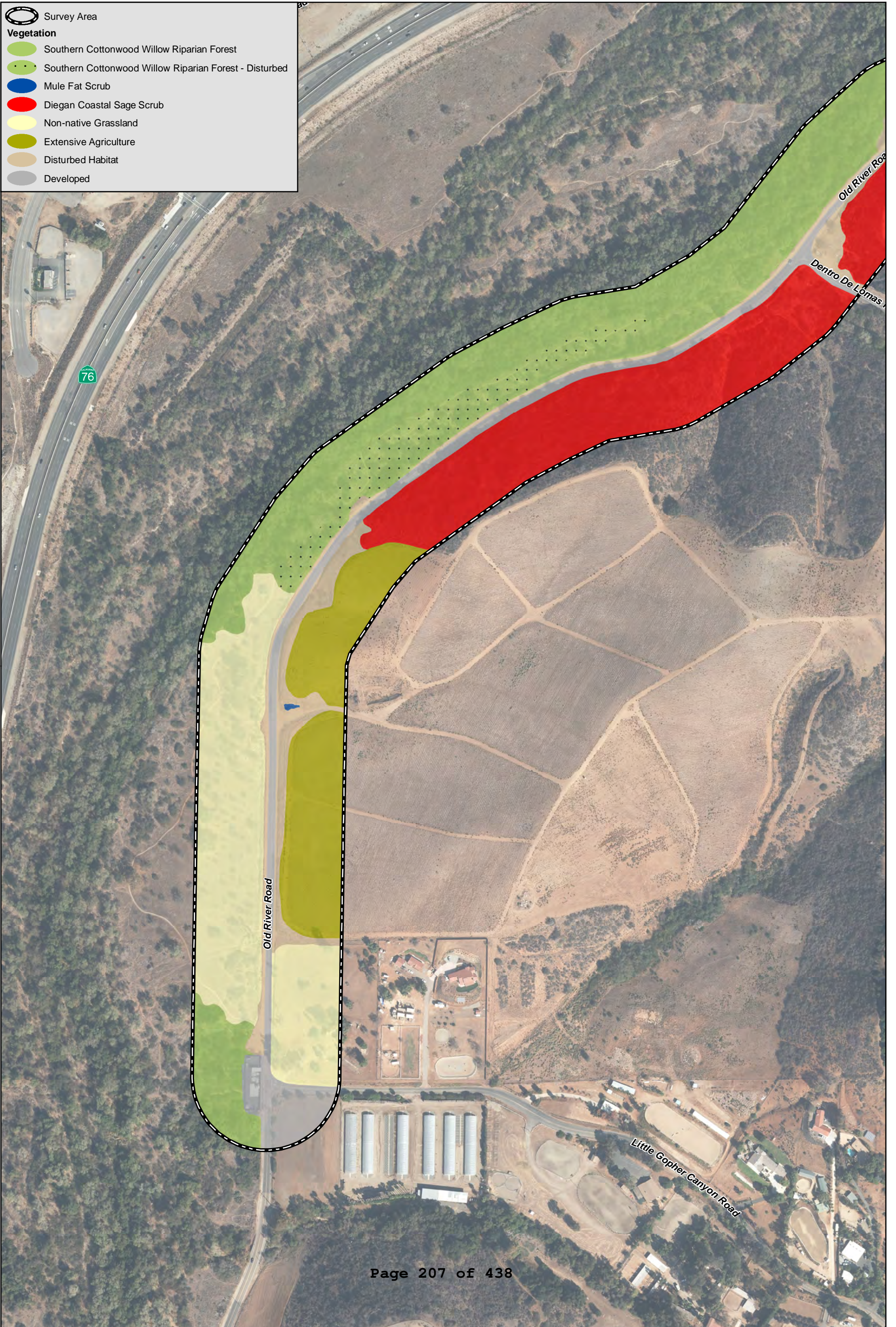
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Old River Road
Dentro De Lomas Road

Vegetation

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

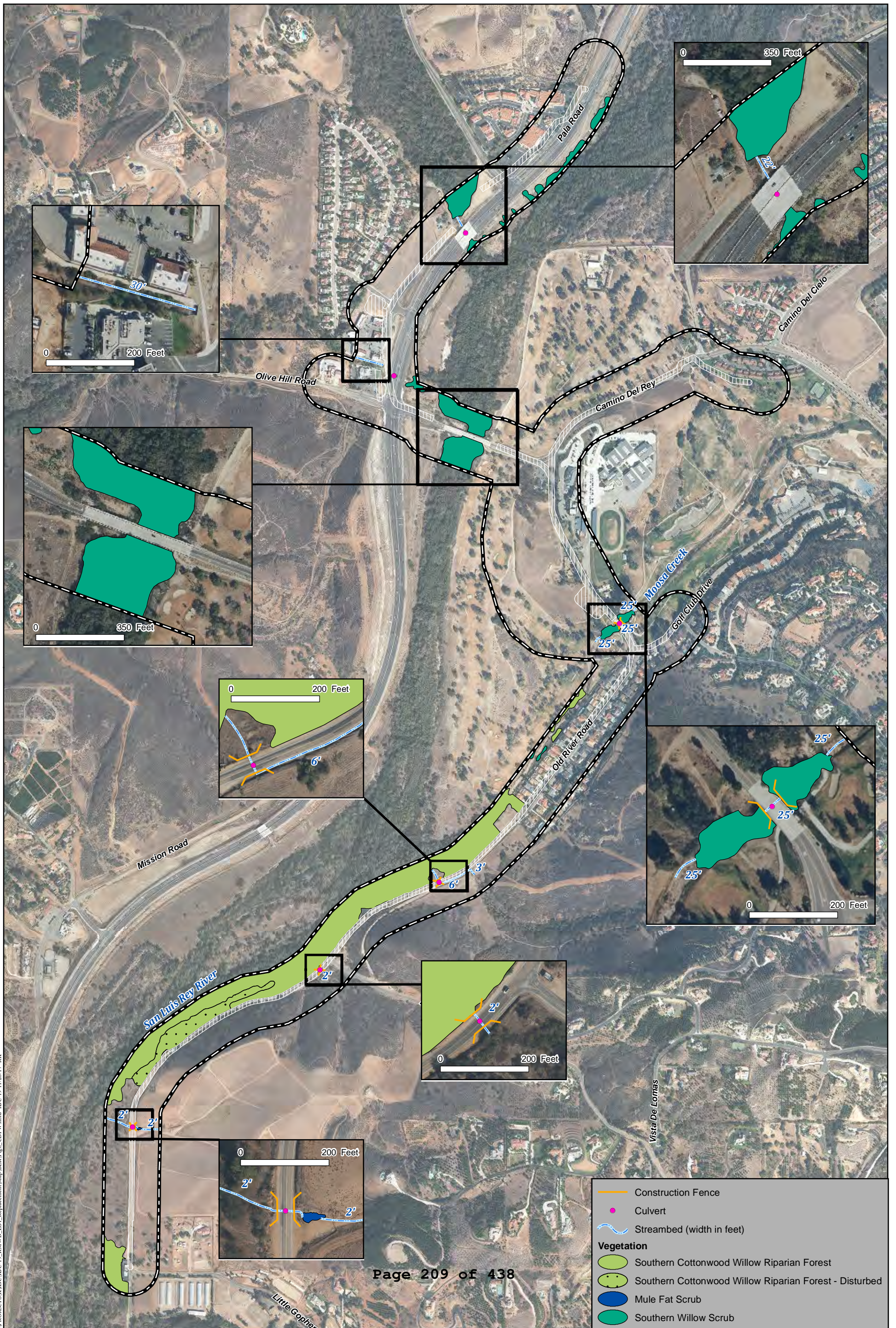
Survey Area
Vegetation
 Southern Cottonwood Willow Riparian Forest
 Southern Cottonwood Willow Riparian Forest - Disturbed
 Mule Fat Scrub
 Diegan Coastal Sage Scrub
 Non-native Grassland
 Extensive Agriculture
 Disturbed Habitat
 Developed



Vegetation

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

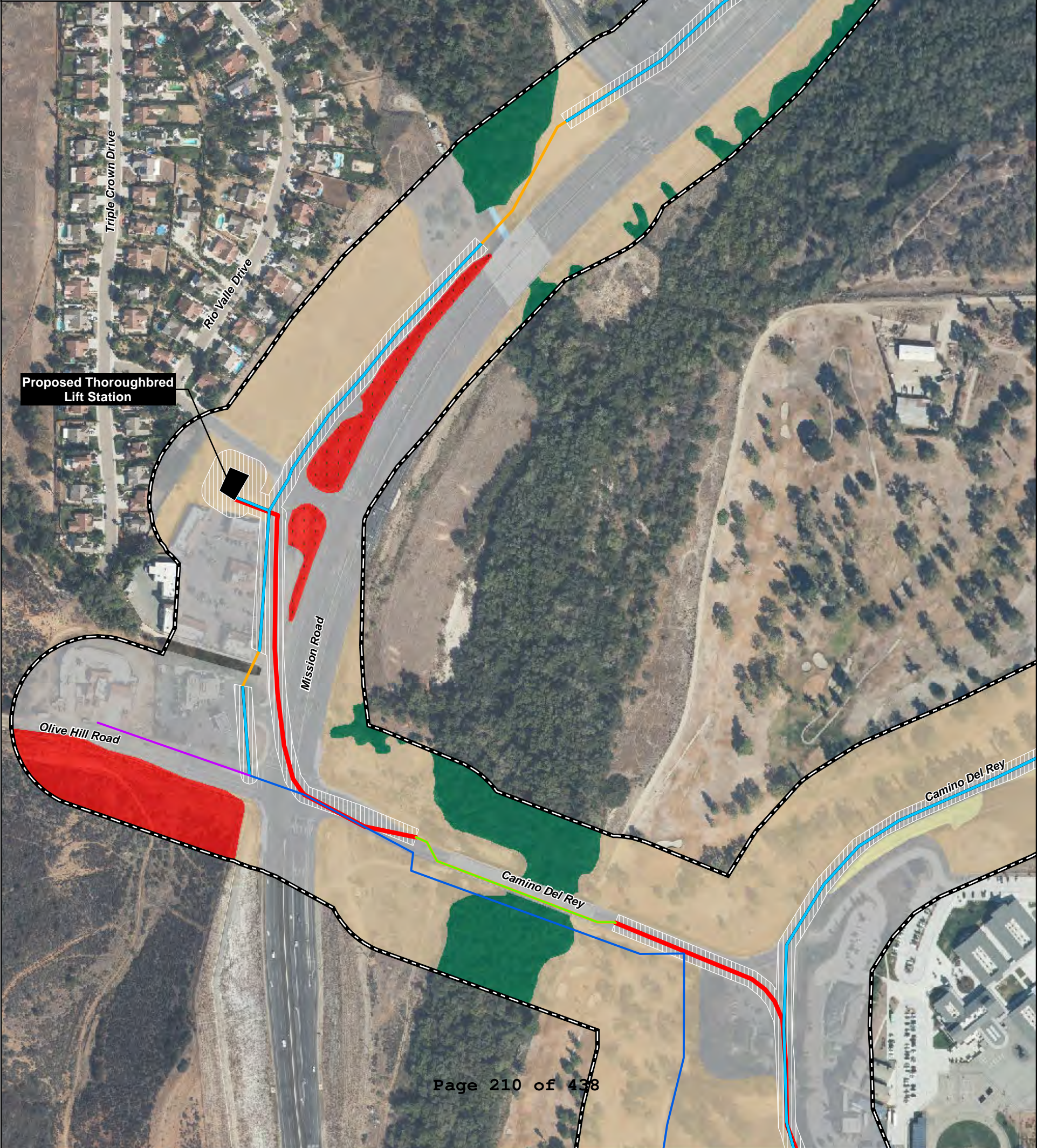
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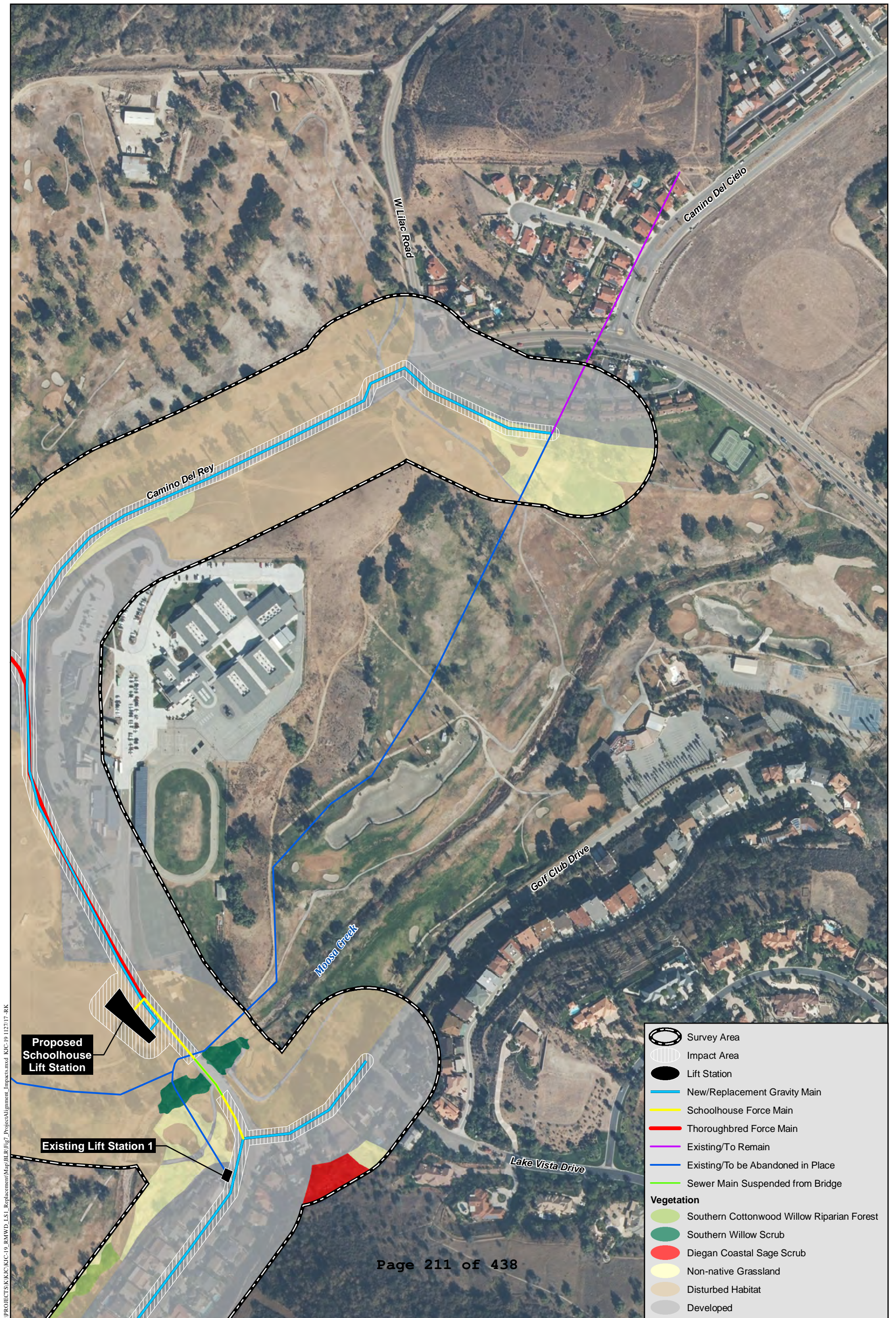
CDFW Jurisdiction

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

-  Survey Area
 -  Impact Area
 -  Lift Station
 -  New/Replacement Gravity Main
 -  Trenchless Construction for New/Replacement Gravity Main
 -  Thoroughbred Force Main
 -  Existing/To Remain
 -  Existing/To be Abandoned in Place
 -  Sewer Main Suspended from Bridge
- Vegetation**
-  Southern Willow Scrub
 -  Diegan Coastal Sage Scrub
 -  Diegan Coastal Sage Scrub - Disturbed
 -  Streambed
 -  Concrete-lined Channel
 -  Non-native Grassland
 -  Disturbed Habitat
 -  Developed

















Project Alignment/Impacts



Project Alignment/Impacts

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

Figure 7b





-  Survey Area
-  Impact Area
-  Lift Station
-  New/Replacement Gravity Main
-  Schoolhouse Force Main
-  Thoroughbred Force Main
-  Existing/To be Abandoned in Place
-  Sewer Main Suspended from Bridge
- Vegetation**
-  Southern Cottonwood Willow Riparian Forest
-  Southern Willow Scrub
-  Diegan Coastal Sage Scrub
-  Non-native Grassland
-  Disturbed Habitat
-  Developed










Project Alignment/Impacts

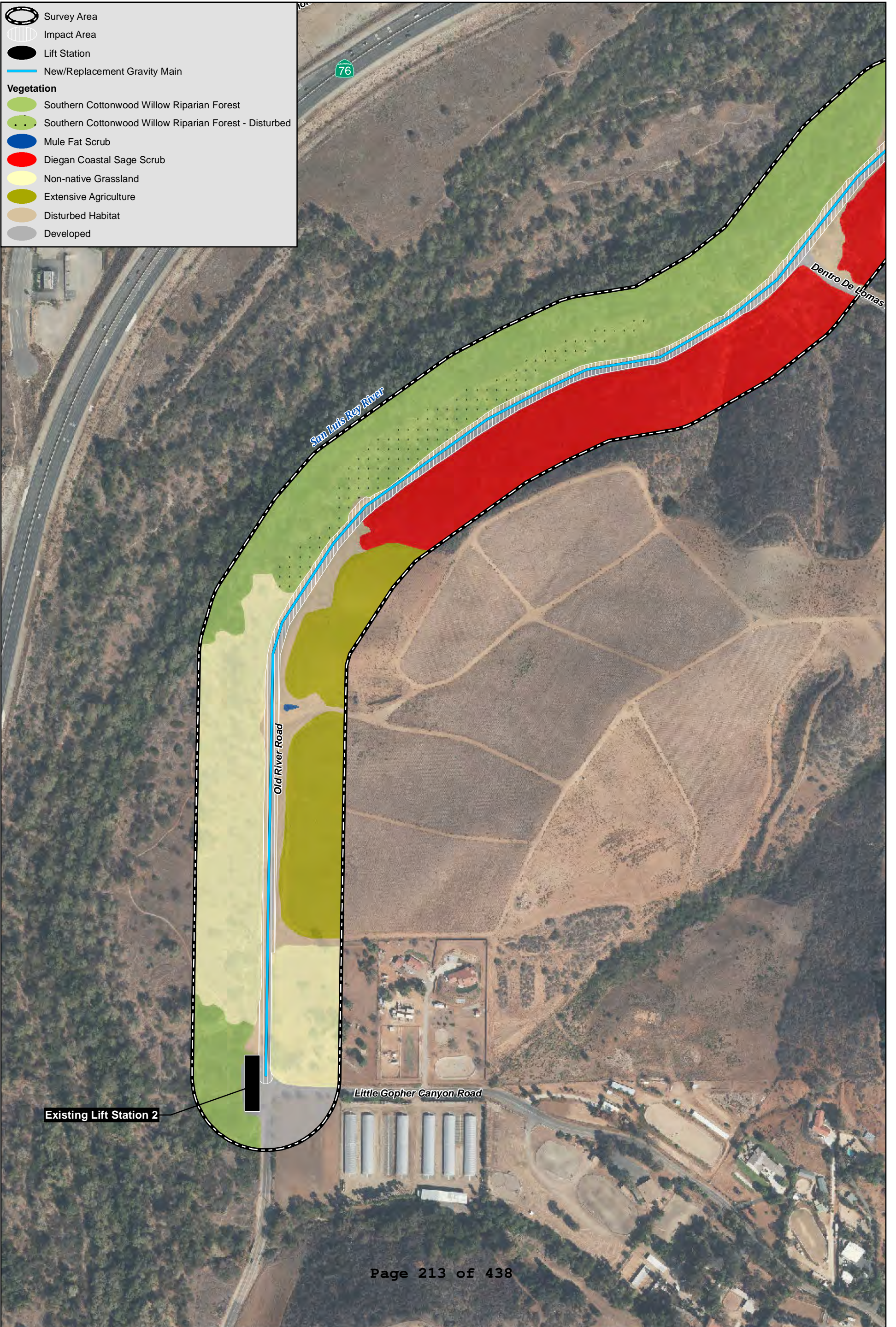
RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

I:\PROJECTS\KIC\KIC-19-RMWD_LSI_Replacement\Map\BLR\Fig.7-ProjectAlignment_Impacts.mxd KIC-19-112717-RR

-  Survey Area
-  Impact Area
-  Lift Station
-  New/Replacement Gravity Main

Vegetation

-  Southern Cottonwood Willow Riparian Forest
-  Southern Cottonwood Willow Riparian Forest - Disturbed
-  Mule Fat Scrub
-  Diegan Coastal Sage Scrub
-  Non-native Grassland
-  Extensive Agriculture
-  Disturbed Habitat
-  Developed



Project Alignment/Impacts

RAINBOW MUNICIPAL WATER DISTRICT LIFT STATION 1 REPLACEMENT PROJECT

E:\PROJECTS\KIC\KIC-19_RMW\1_S1_Replacement\Map\BLR\Fig.7_ProjectAlignment_Impacts.mxd KIC-19 11/27/17_RK

**Attachment A
PLANT SPECIES OBSERVED**

Family	Scientific Name	Common Name	Habitat
Dicots			
Aizoaceae	<i>Carpobrotus edulis*</i>	hottentot-fig	DH
Anacardiaceae	<i>Malosma laurina</i>	laurel sumac	DCSS
	<i>Schinus molle*</i>	Peruvian pepper tree	DH
	<i>Toxicodendron diversilobum</i>	poison oak	SCWRF
Amaranthaceae	<i>Amaranthus blitoides*</i>	prostrate pigweed	DH
Apiaceae	<i>Apium graveolens*</i>	celery	SWS
	<i>Foeniculum vulgare*</i>	fennel	DH
Asteraceae	<i>Ambrosia psilostachya</i>	western ragweed	DH, SWS
	<i>Artemisia californica</i>	California sagebrush	DCSS
	<i>Baccharis pilularis</i>	coyote brush	DCSS
	<i>Baccharis salicifolia</i>	mulefat	DH, SWS, SCWRF
	<i>Baccharis sarothroides</i>	broom baccharis	DH, SCWRF
	<i>Carduus pycnocephalus*</i>	Italian thistle	DH
	<i>Centaurea melitensis*</i>	star thistle	DH
	<i>Erigeron canadensis</i>	horseweed	DH
	<i>Hedynois cretica*</i>	Crete weed	DH, SCWRF
	<i>Heterotheca grandiflora</i>	telegraph weed	DH
	<i>Isocoma menziesii</i>	goldenbush	DH, SWS, SCWRF
	<i>Pluchea odorata</i>	salt marsh fleabane	SWS
	<i>Lactuca serriola*</i>	prickly lettuce	DH
	<i>Logfia gallica</i>	Narrowleaf cottonrose	SCWRF
	<i>Sonchus asper*</i>	prickly sow thistle	SWS
	<i>Symphotrichum subulatum</i>	slim aster	SWS
<i>Xanthium strumarium</i>	cocklebur	SWS	
Boraginaceae	<i>Heliotropium curassavicum</i> var. <i>occulatum</i>	salt heliotrope	DH
	<i>Phacelia cicutaria</i>	caterpillar phacelia	SWS
Brassicaceae	<i>Hirschfeldia incana*</i>	perennial mustard	DH
Cactaceae	<i>Cylindropuntia prolifera</i>	coastal cholla	DCSS
Cactaceae	<i>Opuntia ficus-indica*</i>	Indian-fig	DH
Chenopodiaceae	<i>Atriplex prostrata*</i>	triangle orache	SWS
	<i>Salsola tragus*</i>	Russian thistle	DH
Cucurbitaceae	<i>Cucurbita foetidissima</i>	calabazilla	DH
Euphorbiaceae	<i>Chamaesyce maculata*</i>	spotted spurge	DH
	<i>Croton setigerus</i>	dove weed	DH
	<i>Ricinus communis*</i>	castor-bean	DH
Fabaceae	<i>Melilotus albus*</i>	white sweet clover	SWS
	<i>Medicago polymorpha*</i>	Bur clover	DH

**Attachment A (cont.)
PLANT SPECIES OBSERVED**

Family	Scientific Name	Common Name	Habitat
Fagaceae	<i>Quercus agrifolia</i> var. <i>agrifolia</i>	coast live oak	DCSS
Geraniaceae	<i>Erodium botrys</i> *	Big heron bill	DH
Juglandaceae	<i>Juglans californica</i> var. <i>californica</i>	Southern California black walnut	NNG/exAG
Lamiaceae	<i>Mentha aquatica</i> *	water mint	SWS
Myrtaceae	<i>Eucalyptus camaldulensis</i> *	red gum	EW
Myrsinaceae	<i>Lysimachia arvensis</i> *	Scarlet pimpernel	DH
Onagraceae	<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	willow herb	SWS
	<i>Oenothera elata</i> ssp. <i>hookeri</i>	great marsh evening-primrose	SWS
Plantaginaceae	<i>Plantago major</i> *	common plantain	SWS
Platanaceae	<i>Platanus racemosa</i>	western sycamore	SCWRF
Polygonaceae	<i>Eriogonum fasciculatum</i>	buckwheat	DCSS
	<i>Rumex crispus</i> *	curly dock	DH
Rosaceae	<i>Heteromeles arbutifolia</i>	toyon	DCSS
	<i>Rosa californica</i>	California rose	DCSS
Salicaceae	<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	SCWRF
	<i>Salix exigua</i>	narrow-leaved willow	SWS
	<i>Salix lasiolepis</i>	arroyo willow	SWS, SCWRF
Saururaceae	<i>Anemopsis californica</i>	yerba mansa	SWS
Solanaceae	<i>Datura wrightii</i>	jimson weed	DH
	<i>Nicotiana glauca</i> *	tree tobacco	DH
Tamaricaceae	<i>Tamarix</i> sp.*	tamarisk	NNG, SCWRF
Zygophyllaceae	<i>Tribulus terrestris</i>	Puncture vine	DH
Monocots			
Agavaceae	<i>Yucca schidigera</i>	Mohave yucca	DCSS
Arecaceae	<i>Washingtonia robusta</i> *	Mexican fan palm	SCWRF, SWS
Cyperaceae	<i>Cyperus eragrostis</i>	tall flatsedge	DH, SWS
Poaceae	<i>Arundo donax</i> *	giant reed	SWS
	<i>Avena</i> sp.*	oats	DH
	<i>Bromus diandrus</i> *	common ripgut grass	DH, SCWRF
	<i>Bromus hordeaceus</i> *	soft chess	DH
	<i>Bromus catharticus</i> *	rescue grass	
	<i>Cynodon dactylon</i> *	Bermuda grass	DH, SWS
	<i>Festuca perennis</i> *	Italian ryegrass	DH
	<i>Hordeum murinum</i> *	foxtail barley	DH
	<i>Leptochloa fusca</i> ssp. <i>uninervia</i>	Mexican sprangle-top	DH
	<i>Paspalum dilatatum</i> *	dallis grass	SWS
<i>Polypogon monspeliensis</i> *	annual beard grass	SWS	

*Non-native species

Attachment B
ANIMAL SPECIES OBSERVED OR DETECTED

Order/Family	Scientific Name	Common Name
INVERTEBRATES		
Hymenoptera		
Apidae	<i>Apis mellifera</i>	European honey bee
Lepidoptera		
Lycaenidae	<i>Plebejus acmon</i>	acmon blue
Nymphalidae	<i>Junonia coenia</i>	common buckeye
	<i>Nymphalis antiopa</i>	mourning cloak
Pieridae	<i>Pieris rapae</i>	cabbage white butterfly
VERTEBRATES		
Reptiles		
Squamata		
Phrynosomatidae	<i>Uta stansburiana</i>	common side-blotched lizard
Birds		
Apodiformes		
Trochilidae	<i>Calypte anna</i>	Anna's hummingbird
Accipitriformes		
Accipitridae	<i>Buteo jamaicensis</i>	red-tailed hawk
Columbiformes		
Columbidae	<i>Zenaida macroura</i>	mourning dove
Passeriformes		
Aegithalidae	<i>Psaltriparus minimus</i>	bushtit
Corvidae	<i>Corvus brachyrhynchos</i>	American crow
Emberizidae	<i>Melospiza melodia</i>	song sparrow
	<i>Pipilo crissalis</i>	California towhee
Fringillidae	<i>Carduelis psaltria</i>	lesser goldfinch
	<i>Carpodacus mexicanus</i>	house finch
Icteridae	<i>Icterus cucullatus</i>	hooded oriole
Mimidae	<i>Mimus polyglottos</i>	northern mockingbird
Parulidae	<i>Geothlypis trichas</i>	common yellowthroat
Troglodytidae	<i>Troglodytes aedon</i>	house wren
	<i>Sayornis nigricans</i>	black phoebe
	<i>Sayornis saya</i>	Say's phoebe
Tyrannidae	<i>Tyrannus vociferans</i>	Cassin's kingbird
Piciformes		
Picidae	<i>Picoides nutallii</i>	Nuttall's woodpecker
Mammals		
Carnivora		
Canidae	<i>Canis latrans</i>	coyote
Lagomorpha		
Lepidae	<i>Sylvilagus audubonii</i>	desert cottontail
Rodentia		
Geomyidae	<i>Thomomys bottae</i>	Botta's pocket gopher
Sciuridae	<i>Spermophilus beecheyi</i>	California ground squirrel

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Appendix C
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS				
<i>Abronia villosa</i> var. <i>aurita</i>	Chaparral sand-verbena	--/-- CRPR 1B.1	Annual herb. Grows in chaparral and coastal scrub in sandy areas. Elevation range 260-5250 ft. Flowering period Jan. – Sept.	Low. Appropriate habitat and soils are limited on site.
<i>Adolphia californica</i>	California adolphia	--/-- CRPR 2.1	Shrub. Found in chaparral, coastal sage scrub, and grassland on sandy/gravelly to clay soils. Elevation range 50–985 ft. Flowering period Dec. – May.	None. Shrub would have been observed if present.
<i>Ambrosia pumila</i>	San Diego Ambrosia	FE/-- CRPR 1B.1	Perennial herb. Occurs in disturbed areas within chaparral, valley grassland, and coastal sage scrub communities. Elevation 100-2000 ft. Flowering period Apr. – October.	Presumed Absent. Suitable disturbed habitat occurs on site. This species has been historically recorded on site; however, this species was not detected during any of the 2014, 2016, 2017, or 2020 surveys.
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	--/-- CRPR 1B.1	Shrub. Grows in chaparral and usually found in gabbro chaparral in Riverside and San Diego Counties. Elevation range 885-2590 ft. Flowering period Dec. – Mar.	None. Shrub would have been observed if present.
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch	--/-- CRPR 1B.1	Shrub. Grows in coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. Prefers dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral. Elevation range 1200- 3000 ft. Flowering period Dec. –June.	None. Site outside of the elevation range for this species.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Atriplex pacifica</i>	South coast saltscale	--/-- CNPS 1B.2	Annual herb. Grows in coastal scrub, coastal bluff scrub, playas, and chenopod scrub on alkali soils. Elevation range 1- 1640 ft. Flowering period Mar. – Oct.	None. No appropriate habitat on site.
<i>Berberis nevini</i>	Nevin's barberry	FE/SE CRPR 1B.1	Shrub. Grows in chaparral, cismontane woodland, coastal scrub, and riparian scrub on steep, north facing slopes or in low grade sandy washes. Elevation range 950-5170 ft. Flowering period Mar. – June.	None. Site outside of the elevation range for this species.
<i>Brodiaea orcuttii</i>	Orcutt brodiaea	--/-- CRPR 1B.1	Small herb. Occurs only on clay soils in vernal moist environments, usually near vernal pools but occasionally near streams. Elevation range 0-5000 ft. Flowering period May – Jul.	None. No clay soils present on site.
<i>Caulanthus simulans</i>	Payson's jewel-flower	--/-- CRPR 4.2	Annual herb. Grows in chaparral and coastal scrub, frequently in burned areas, or in disturbed sites such as streambeds; also on rocky, steep slopes. Elevation range 295-7220 ft. Flowering period Mar. – May.	Not expected. Appropriate vegetation community (chaparral) on site but no rocky, steep slopes.
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	--/-- CRPR 1B.2	Shrub. Grows in closed-cone coniferous forest and chaparral. Elevation range 330-4970 ft. Flowering period Apr. – June.	None. Shrub would have been observed if present.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Ceanothus ophiochilus</i>	Vail Lake ceanothus	FT/SE CNPS 1B.1	Shrub. Grows in chaparral on Gabbro seams on north-facing ridges on the eastern sides of mountains. Elevation range 2030-2700 ft. Flowering period Feb. – mar.	None. Site is outside of elevation range of this species.
<i>Ceanothus verrucosus</i>	Wart-stemmed ceanothus	--/-- CRPR 2.2	Shrub. Grows in chaparral. Elevation range 0 - 1245 ft. Flowering period Jan. – Apr.	None. Shrub would have been observed if present.
<i>Centromadia parryi</i> <i>ssp. australis</i>	Southern tarplant	--/-- CRPR 1B.1	Annual herb. Found in marshes, swamp margins, valley and foothill grassland. Often seen in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with salt grass. Elevation range 0 – 660 ft. Flowering period May – Nov.	Not expected. No marshland habitat on site.
<i>Centromadia pungens</i> <i>ssp. laevis</i>	Smooth tarplant	--/-- CRPR 1B.1	Annual herb. Grows in valley and foothill grassland, chenopod scrub, meadows, playas, riparian woodland, alkali meadow, alkali scrub, and disturbed places. Elevation range 0-3100 ft. Flowering period Apr. – Sept.	Low. Appropriate habitat on site; however nearest the sighting is more than 8 miles from project site.
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	--/-- CRPR 1B.1	Annual herb. Grows on coastal bluff scrub and in coastal dunes on sandy sites. Elevation range 10-330 ft. Flowering period Jan.-Aug.	Not expected. Appropriate soils on site however site is not as close to the coast as is generally preferred by plant.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Long-spined spineflower	--/-- CRPR 1B.2	Annual herb. Grows in chaparral, coastal scrub, meadows, seeps, valley and foothill grassland, and vernal pools on gabbroic clay. Elevation range 100-5020 ft. Flowering period Apr. – July.	Not expected. No clay soils present on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Clinopodium chandleri</i>	San Miguel savory	--/-- CRPR 1B.2	Perennial herb. Found in chaparral, cismontane woodland, coastal scrub, woodland, and grassland on rocky, gabbroic or metavolcanic substrate. Elevation range 390-3300 ft. Flowering period Mar. – July.	None. No appropriate substrate on site.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	Summer holly	--/-- CRPR 1B.2	Shrub. Grows in mixed chaparral on north and south-facing cliffs and banks. Elevation range 30-1800 ft. Flowering period Apr. – June.	None. Shrub would have been observed if present.
<i>Dodecahema leptoceras</i>	Slender-horned spineflower	FE/SE CRPR 1B.1	Annual herb. Grows in chaparral, cismontane woodland, coastal scrub. Frequently on flood deposited terraces and washes. Elevation range 656-2490 ft. Flowering period Apr. – June.	None. Site outside of the elevation range for this species.
<i>Dudleya multicaulis</i>	Many-stemmed dudleya	--/-- CRPR 1B.2	Perennial herb. Grows in chaparral, coastal scrub, and grassland. Often in heavy, clayey soils or grassy slopes. Elevation range 0-2590 ft. Flowering period Apr. – July.	None. No clay soils present on site.
<i>Dudleya viscida</i>	Sticky dudleya	--/-- CRPR 1B.2	Perennial herb. Found in coastal scrub, coastal bluff scrub, and chaparral. Elevation range 0 – 1475 ft. Flowering period May – June.	None. Coastal habitat not present on site.
<i>Geothallus tuberosus</i>	Campbell's liverwort	--/-- CRPR 1B.1	Liverwort. Found in coastal scrub, chaparral, grassland, vernal pools on mesic soil. Elevation range 30-1970 ft.	Not expected. Most suitable habitat lost to urbanization. Closest known occurrence is more than 10 miles from project site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	--/-- CRPR 4.2	Mat-forming herb. Occurs on clay soils in grasslands and coastal sage scrub. Elevation range 0-3000 ft. Flowering period Mar. – May.	None. Appropriate soils not present on site.
<i>Horkelia cuneata</i> <i>var. puberula</i>	Mesa horkelia	--/-- CRPR 1B.1	Perennial herb. Found in chaparral, cismontane woodland, and coastal scrub on sandy or gravelly sites. Elevation range 230-2760 ft. Flowering period Feb. – July.	Low. Appropriate soils and habitat on site however nearest sighting is more than 10 miles from the project site.
<i>Horkelia truncata</i>	Ramona horkelia	--/-- CRPR 1B.3	Perennial herb. Grows in chaparral, cismontane woodland, mixed chaparral, vernal streams, and disturbed areas near roads on clay soil. Elevation range 1310-4265 ft. Flowering period May - June.	None. Site outside of the elevation range for this species.
<i>Isocoma menziesii</i> <i>var. decumbens</i>	Decumbent goldenbush	--/-- CRPR 1B.2	Shrub. Grows in coastal scrub on sandy soils; often in disturbed sites. Elevation range 30-2985 ft. Flowering period Apr. – Nov.	None. Shrub would have been observed if present.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush	--/-- CRPR 1B.2	Annual herb. Found in vernal pools, meadows, lower montane coniferous forest, chaparral, great basin scrub ephemeral drainages, wet meadow habitats, and streamsides. Elevation range 985-6690 ft. Flowering period Apr. – July.	None. Site outside of the elevation range for this species.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Lasthenia glabrata</i> <i>ssp. coulteri</i>	Coulter's goldfields	--/-- CRPR 1B.1	Annual herb. Found in coastal salt marshes, playas, valley and foothill grassland, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. Elevation range 1-4595 ft. Flowering period Jan. – June.	None. No suitable habitat or soils on site.
<i>Lepidium virginicum</i> <i>var. robinsonii</i>	Robinson's peppergrass	--/-- CRPR 1B.2	Medium herb. Occurs in openings in chaparral and coastal sage scrub. Elevation range 0-5000 ft. Flowering period Jan – Jul.	High. Appropriate vegetation communities and elevation range for the plant on site.
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	Intermediate monardella	--/-- CRPR 1B.3	Perennial herb. Grows in chaparral, cismontane woodland, and lower montane coniferous forest often in steep, brushy areas. Elevation range 1310-4100 ft. Flowering period June – Aug.	None. Site outside of the elevation range for this species.
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	Felt-leaved monardella	--/-- CRPR 1B.2	Perennial herb. Grows in chaparral and cismontane woodland. Occurs in understory in mixed chaparral, chamise chaparral, and southern oak woodland on sandy soil. Elevation range 985-5170 ft. Flowering period June –Aug.	None. Site outside of the elevation range for this species.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	--/-- CRPR 1B.3	Perennial herb. Found in broadleaved upland forest, chaparral, lower montane coniferous forest, cismontane woodland, and grassland. Prefers dry slopes and ridges in openings within the above communities. Elevation range 2280-7200 ft. Flowering period June – Oct.	None. Site outside of the elevation range for this species.
<i>Nolina cismontana</i>	Chaparral nolina	--/-- CRPR 1B.2	Shrub. Grows in chaparral and coastal scrub primarily on sandstone and shale substrates; also known from gabbro. Elevation range 460-4185 ft. Flowering period May – July.	None. Site outside of the elevation range for this species.
<i>Packera ganderi</i>	Gander's ragwort	--/SR CRPR 1B.2	Perennial herb. Grows in chaparral, recently burned sites, and gabbro outcrops. Elevation range 1310-3940 ft. Flowering period Apr. – June.	None. Site outside of the elevation range for this species.
<i>Pseudognaphalium leucocephalum</i>	White rabbit-tobacco	--/-- CRPR 2B.2	Perennial herb. Found in riparian woodland, cismontane woodland, coastal scrub, and chaparral on sandy or gravelly sites. Elevation range 0 - 6890 ft. Flowering period Aug. – Nov.	Low. Appropriate vegetation communities and soil found on site however nearest sighting of this plant is approximately five miles from project site.
<i>Quercus dumosa</i>	Nuttall's scrub oak	--/-- CRPR 1B.1	Shrub. Grows in closed-cone coniferous forest, chaparral, and coastal scrub generally on sandy soils near the coast; sometimes on clay loam. Elevation range 50-2100 ft. Flowering period Feb. – Mar.	None. Shrub would have been observed if present.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
PLANTS (cont.)				
<i>Schizymerium shevockii</i>	Shevock's copper moss	--/-- CRPR 1B.2	Moss. Found in cismontane woodland on metamorphic rocks containing heavy metals; frequents mesic sites.	None. No appropriate habitat present on site.
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	--/-- CRPR 1B.2	Shrub. Grows in chaparral and coastal scrub on stony, decomposed gabbro soil. Elevation range 490-3280 ft. Flowering period Apr. – May.	None. Soils and elevation not suitable for plant on project site.
<i>Tortula californica</i>	California screw moss	--/-- CRPR 1B.2	Moss. Found in chenopod scrub and valley or foothill grassland growing on sandy soil. Elevation range 30-4800 ft.	Not expected. Appropriate habitat types not present on site.
ANIMALS				
Invertebrates				
<i>Euphydryas editha quino</i>	Quino checkerspot butterfly	FE/--	Sunny openings within chaparral and coastal sage shrublands. Host plants include <i>Plantago erecta</i> , <i>Cordylanthus rigidus</i> , <i>Collinsia</i> spp., <i>Plantago patagonica</i> , <i>Antirrhinum coulterianum</i> , and <i>Castilleja exserta</i> .	Not expected. Host plant not present on site.
Fish				
<i>Gila orcuttii</i>	Arroyo chub	--/--	Native to streams from Malibu to San Luis Rey River basin. Introduced into streams in Santa Clara and Ventura in slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	Not expected. Very little water present in San Luis Rey River, during survey water was flowing underground and only puddles were present.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Reptiles and Amphibians				
<i>Aspidoscelis tigris stejnegeri</i>	Coastal whiptail	--/--	Found in deserts and semiarid areas with sparse vegetation and open areas. Also found in woodland and riparian areas. Ground may be firm soil, sandy, or rocky.	Low. Appropriate habitat is limited on site.
<i>Bufo microscaphus californicus</i>	Arroyo toad	FE/SSC	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian and desert wash. Requires rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	Low. River in project site could potentially provide habitat.
<i>Charina trivirgata roseofusca</i>	Coastal rosy boa	--/--	Desert and chaparral from the coast to the Mojave and Colorado Deserts. Prefers moderate to dense vegetation and rocky cover habitats with a mix of brushy cover and rocky soil such as coastal canyons and hillsides, desert canyons, washes and mountains.	Not expected. Site lacks appropriate soils and habitat on site is limited.
<i>Clemmys marmorata</i>	Western pond turtle	--/SSC	Ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation. Requires basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.3 m from water for egg-laying.	Not expected. Surface water on site was limited.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Reptiles and Amphibians (cont.)				
<i>Cnemidophorus hyperythrus</i>	Orange-throated whiptail	--/SSC	Coastal scrub, chaparral, and valley and foothill hardwood habitats. Prefers washes and sandy areas with patches of brush and rocks. Perennial plants required to support its primary prey termites.	Low. Some habitat requirements present on site.
<i>Crotalus ruber ruber</i>	Northern red-diamond rattlesnake	--/SSC	Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	Low. Extremely limited habitat on site.
<i>Diadophis punctatus similis</i>	San Diego ringneck snake	--/--	Moist habitats such as oak woodlands and canyon bottoms, occasionally grassland, chaparral, and coastal sage scrub.	Not expected. Extremely limited habitat on site.
<i>Eumeces skiltonianus interparietalis</i>	Coronado skink	--/SSC	Grassland, chaparral, pinyon-juniper and juniper sage woodland, and pine-oak and pine forests.	Low. Appropriate habitat is limited on site.
<i>Phrynosoma blainvillii</i>	Coast horned lizard	--/SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	Low. Appropriate habitat is limited on site.
<i>Salvadora hexalepis virgulata</i>	Coast patch-nosed snake	--/SSC	Semi-arid brushy areas and chaparral in canyons, rocky hillsides, and plains.	Low. Appropriate habitat is limited on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Reptiles and Amphibians (cont.)				
<i>Spea hammondi</i>	Western spadefoot toad	--/SSC	Burrows in loose soils 3 feet in depth. Requires temporary rainpools and vernal pools (for breeding) lasting three weeks with cool to warm temperatures and absence of predators (crayfish, bullfrogs, etc.).	Low. Some suitable habitat is present on site.
<i>Taricha torosa</i>	Coast Range newt	--/SSC	Coastal drainages from Mendocino County to San Diego County. Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs and slow moving streams.	Low. Appropriate habitat is limited on site.
<i>Thamnophis hammondi</i>	Two-striped garter snake	--/SSC	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 feet elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	Not expected. Permanent fresh water is limited on site.
Birds				
<i>Accipiter cooperi</i>	Cooper's hawk	--/SSC	(Nesting) Open, uninterrupted, or marginal woodland. Nest sites mainly found in riparian growths of deciduous trees, and live oaks.	High. Appropriate vegetation for nesting present on site.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	--/--	Resident in southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	Low. Limited habitat present on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Birds (cont.)				
<i>Amphispiza belli belli</i>	Bell's sage sparrow	BCC/WL	Chaparral and sage scrub with modest leaf-litter on the ground (e.g., after a fire or in gabbro-based soil areas).	Low. Limited habitat on site.
<i>Athene cunicularia</i>	Burrowing owl	BCC/SSC	Grassland or open scrub habitats with sufficient small mammal prey and mammal burrows.	Not expected. No grassland habitat present on site.
<i>Aquila chrysaetos</i>	Golden eagle	--/FP	(Nesting and Wintering) Rolling foothills and mountain areas, juniper-sage flats, and deserts. Primarily associated with cliff-walled canyons and large trees in open habitats for nesting.	Low. Appropriate habitat is limited on site.
<i>Buteo regalis</i>	Ferruginous hawk	BCC/WL	Open grasslands.	Low. No grassland habitat present on site.
<i>Circus cyaneus hudsonius</i>	Northern harrier	--/SSC	Coastal salt and freshwater marsh. Nests and forages in grasslands, from salt grass in desert sink to mountain cienagas. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	Not expected. No marshland habitat on site.
<i>Coccyzus americanus occidentalis</i>	Yellow-billed cuckoo	FC/SE	Extensive stands of mature riparian woodland.	Low. Limited habitat present on site.
<i>Dendroica petechia brewsteri</i>	Yellow warbler	--/SSC	Riparian woodland.	Low. Limited habitat present on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Birds (cont.)				
<i>Empidonax trailii extimus</i>	Southwestern willow flycatcher	FE/SE	Breeds within thickets of willows or other riparian understory usually along streams, ponds, lakes, or canyons. Migrants may be found among other shrubs in wetter areas.	Low. Limited habitat present on site.
<i>Ictera virens</i>	Yellow-breasted chat	--/SSC	Mature riparian woodland.	High. Appropriate habitat present on site.
<i>Ixobrychus exilis</i>	Least bittern	--/SSC	Colonial nester in marshlands and borders of ponds and reservoirs which provide ample cover. Nests usually placed low in tules, over water.	Not expected. No marshland habitat present on site.
<i>Nycticorax nycticorax</i>	Black-crowned night heron	--/--	Colonial nester, usually in trees, occasionally in tule patches. Rookery sites located adjacent to foraging areas: lake margins, mud-bordered bays, marshy spots.	Not expected. Appropriate habitat not present on site.
<i>Plegadis chihi</i>	White-faced ibis	--/--	Shallow fresh-water marsh. Dense tule thickets for nesting interspersed with areas of shallow water for foraging.	Not expected. No marshland habitat present on site.
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	FT/SSC	Coastal sage scrub below 2500 feet in southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	High. Coastal sage scrub present on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Birds (cont.)				
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	FE/ SE	Summer resident of Southern California in low riparian areas in the vicinity of water or in dry river bottoms below 2,000 feet. Nests places along the margins of bushes or on twigs projecting into pathways.	High. Riparian woodland present on site.
Mammals				
<i>Antrozous pallidus</i>	Pallid bat	--/SSC	Rocky, mountainous areas and near water; also found over more open, sparsely vegetated grasslands, and prefers foraging in the open. Uses three different roosts: 1) the day roost is in a warm, horizontal opening such as rock cracks; 2) the night roost is in the open, near foliage; and 3) the hibernation roost, which is in caves or cracks in rocks.	Not expected. Appropriate habitat not present on site.
<i>Chaetodipus californicus femoralis</i>	Dulzura California pocket mouse	--/SSC	Variety of habitats including coastal scrub, chaparral, and grasslands in San Diego County. Associated with grass-chaparral edges.	Low. Limited habitat present on site.
<i>Chaetodipus fallax fallax</i>	Northwestern San Diego pocket mouse	--/SSC	Open areas of coastal sage scrub and weedy growth, often on sandy substrates.	Low. Limited habitat present on site.
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	FE/ST	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover. Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	Not expected. No grassland habitat on site.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Mammals (cont.)				
<i>Eumops perotis californicus</i>	Greater western mastiff bat	--/SSC	Lower and upper Sonoran Desert scrub near cliffs, preferring rugged rocky canyons with abundant crevices. Prefers crowding into tight crevices.	Not expected. Preferred habitat not present on site.
<i>Lasiurus cinereus</i>	Hoary bat	--/--	Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding. Roosts in dense foliage of medium to large trees. Feeds primarily on moths. Requires water.	Low. Area may be used for foraging.
<i>Lasiurus xanthinus</i>	Western yellow bat	--/SSC	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	Low. Habitat on site is limited.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	--/SSC	Primarily in open habitats including coastal sage scrub, chaparral, grasslands, croplands, and open, disturbed areas if there is at least some shrub cover present.	High. Appropriate habitat on site.
<i>Myotis ciliolabrum</i>	Small-footed myotis	--/--	Wide range of habitats mostly arid wooded and brushy uplands near water. Seeks cover in caves, buildings, mines and crevices. Prefers open stands in forests and woodlands. Requires drinking water. Feeds on a wide variety of small flying insects.	Low. May use site for foraging.

Appendix C (cont.)
SENSITIVE SPECIES POTENTIAL TO OCCUR¹

Species Name	Common Name	Status	Habit, Ecology and Life History	Potential to Occur ³
ANIMALS (cont.)				
Mammals (cont.)				
<i>Myotis evotis</i>	Long-eared myotis	--/--	Found in all brush, woodland and forest habitat from sea level to about 9,000 feet. Prefers coniferous woodlands and forests.	Low. Forest habitat is present on site.
<i>Myotis yumanensis</i>	Yuma myotis	--/--	Open water near woodlands and forests. Also uses caves and mines.	Not expected. No open water present on site.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	--/SSC	Open chaparral and coastal sage scrub, often building large, stick nests in rock outcrops or around clumps of cactus or yucca.	Low. Appropriate habitat on site is limited.
<i>Nyctinomops femorosaccus</i>	Pocketed free-tailed bat	--/SSC	Semi-arid desert lands. Day-roosts in caves, crevices in cliffs, and under the roof tiles of buildings. Uses a variety of arid habitats in southern California: pine-juniper woodlands, desert scrub, palm oases, desert wash, desert riparian, etc. Prefers rocky areas with high cliffs.	Not expected. Appropriate habitat not present on site.
<i>Nyctinomops macrotis</i>	Big free-tailed bat	--/SSC	Rocky areas, in day they roost in rocky cliffs, sometimes caves, buildings, or tree holes.	Low. Tree holes are present on site but rock cliffs are not.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	--/SSC	Lower elevation grasslands and coastal sage communities in and around the Los Angeles basin. Open ground with fine sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	Low. Coastal sage community is present on site.
<i>Taxidea taxus</i>	American badger	--/SSC	Open plains and prairies, farmland, and sometimes edges of woods.	Not Expected. No appropriate habitat on site.

¹Sensitive species reported within 2 miles of the project site, except Narrow Endemics which are County-wide.

Appendix C (cont.)

SENSITIVE SPECIES POTENTIAL TO OCCUR¹

²Listing is as follows: F = Federal; S = State of California; E = Endangered; T = Threatened; R = Rare; SSC = State Species of Special Concern; FP = Fully Protected. CRPR = California Rare Plant Rank: 1A – presumed extinct; 1B – rare, threatened, or endangered in California and elsewhere; 2A – rare, threatened, or endangered in California and elsewhere; 2B – rare, threatened, or endangered in California but more common elsewhere; 3 – more information needed; 4 – watch list for species of limited distribution. Extension codes: .1 – seriously endangered; .2 – moderately endangered; .3 – not very endangered.

³Potential to Occur is assessed as follows. **None:** Species is either sessile (*i.e.* plants) or so limited to a particular habitat that it cannot disperse on its own, and habitat suitable for its establishment and survival does not occur on the project site; **Not Expected:** Species moves freely and might disperse through or across the project site, but suitable habitat for residence or breeding does not occur on the project site; **Low:** Marginally suitable habitat is present on the project site but of low quality and no sign of the species was observed during surveys, however the species cannot be excluded with certainty; **Presumed Absent:** Quality and extent of suitable habitat are sufficient to support residence and breeding, however protocol-level focused surveys have been conducted for the current project and results were negative; **High:** Suitable habitat occurs on the project site and the species has been recorded recently on or near the project site, but was not observed during surveys for the current project; **Presumed Present:** The species was observed during biological surveys for the current project and is assumed to occupy the project site.

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Photo 1. Looking southwest at Camino del Rey and adjacent disturbed habitat in the northern portion of the study area. The former San Luis Rey Downs Golf Course is visible in the right side of the photo.



Photo 2. Looking northwest from Camino del Rey at disturbed habitat within the former San Luis Rey Downs Golf Course in the northern portion of the study area.

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Photo 3. Looking northeast at Camino del Rey and adjacent disturbed habitat in the northern portion of the study area.



Photo 4. Looking southeast across Camino del Rey where the proposed pipeline would cross a portion of the former San Luis Rey Downs Golf Course.

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Photo 5. Looking east at non-native grassland and developed land in the northern portion of the study area.



Photo 6. Looking northwest at disturbed habitat and a brick golf cart path that crosses below Camino del Rey in the northern portion of the study area.

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Photo 7. Looking southeast at Old River Road where it crosses Moosa Creek.



Photo 8. Looking southwest at Old River Road and adjacent riparian forest to the west, in the central portion of the study area.

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Photo 9. Looking north at Camino del Rey and adjacent developed land in the northern portion of the study area.



Photo 10. Looking east at disturbed habitat for proposed Lift Station 1A in northern portion of the study area.

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Appendix C

Cultural Resources Study



January 5, 2018

Joanne M. Dramko, AICP
HELIX Environmental Planning, Inc.
7578 El Cajon Blvd.
La Mesa, California 91941

Re: Cultural Resources Study Augment for the Rainbow Municipal Water District Lift Station #1 Replacement Project, Bonsall, San Diego County, California

Dear Ms. Dramko,

This letter report presents the results of a cultural resources survey for an alignment addition to the Rainbow Municipal Water District (RMWD) Lift Station #1 Replacement Project (Project) conducted by ASM Affiliates, Inc. (ASM). After the Project area was originally surveyed by ASM on August 16, 2016, (Castells 2016), modifications were made to the original Project area including the addition of an alignment connecting from Old River Rd. west onto Camino Del Rey and continuing northbound along the west side of Highway 76. The additional alignment also included a proposed location for the construction of the Lift Station LS1A on the southwest corner of the intersection of the Highway 76 and Thoroughbred Lane. The following report presents the results of the additional alignment study area only. The Rainbow Municipal Water District is the lead agency. This study is being undertaken in compliance with the California Environmental Quality Act (CEQA).

Included in this report are a brief archaeological and historical background of the area; the results of a review of literature and site records on file with the South Coastal Information Center (SCIC), a description of the field methodology employed during the investigation, the results of the field survey, and recommendations for CEQA compliance. Cultural resources are located within the vicinity of the Project, however no cultural resources were identified with the Project's Area of Potential Effects (APE) and no known cultural resources will be impacted by the Project. It is recommended that all ground disturbance for the Project be monitored by a qualified archaeologist due to the high potential for subsurface cultural resources along the San Luis Rey River.

Project Description and Location

The RMWD is a special district that provides water and wastewater collection to the unincorporated communities of Rainbow, Bonsall, and portions of Vista, Oceanside and Fallbrook in northern inland San Diego County. The augmented proposed Project APE would entail improvements to facilities associated with the RMWD's existing Lift Station 1 (LS1); LS1 would be retained in place and protected during construction of adjacent facilities. The proposed LS1A would be installed in a lot on the southwest corner of the intersection of Thoroughbred Lane and Highway 76. Castells 2016 presents the archaeological inventory results for the original Project area.

The Project area is located on the Bonsall USGS 7.5-minute Quad, within Township 10 South, Range 3 West, Sections 20, 29, 30, and 31 (Figures 1, 2, and 3). Geographically, the project area is adjacent to the San Luis Rey River. The northern terminus of the Project area is just south of Sweetgrass Lane along the west side of Highway 76 and the southern terminus of the Project is west of Old River Rd. just north of Golf Club Dr.

This cultural resource study inventoried the amended Project alignment that was not included in the original Project area in addition to the newly proposed location for LS1A. The Project's APE includes only areas in which ground disturbance associated with the Project will take place and is shown on Figures 2 and 3.

Environmental Setting

The Project lies within the floodplain of the middle course of the San Luis Rey River. It is located within the foothills geomorphic province of western San Diego County, but closely approaches the western margin of the mountains province (Bowman 1973).

The climate in the project vicinity is classified as Mediterranean hot summer (Pryde 2004). The mean January minimum daily temperature is about 4°C, and the mean July maximum daily temperature is approximately 32°C. The annual precipitation averages about 35 cm, falling primarily in the winter and early spring.

The San Luis Rey River is one of the region's larger drainages. Its headwaters lie to the east of Lake Henshaw, about 20 km east of the study area. It is fed by waters from Palomar Mountain and finally enters the Pacific Ocean about 20 km southwest of the study area.

The natural vegetation zone surrounding the Project area is chaparral (Pryde 2004). Characteristic chaparral species include chamise (*Adenostoma fasciculatum*), California lilac (*Ceanothus* spp.), manzanita (*Arctostaphylos* spp.), redshank (*Adenostoma sparsifolium*), and various species of oak (*Quercus* spp.). Much of the natural vegetation has been displaced as a result of historic and modern land uses, including grazing, agriculture, transportation and modern urbanization.

Culture History

Archaeological investigations have documented human occupations in San Diego County spanning at least the last 10,000 years. Various chronological divisions and sets of terms are used to sort the archaeological evidence into temporal and, to a lesser extent, geographical units. Some confusion has resulted from the mixing of analytical units that were defined on the basis of chronology with units defined by cultural assemblage content or by inferred ethnicity. The present discussion is framed in terms of five main divisions: an initial period, linking the terminal Pleistocene with the early Holocene, about 10,000 B.P. to 7500 B.P.; a long middle Holocene period, stretching from about 7500 B.P. to about 3500 B.P.; a late Holocene period, between about 3500 B.P. and A.D. 1769; an "ethnographic period," representing conditions existing just prior to European contact as they have been inferred from ethnographic studies; and the historical period, subsequent to A.D. 1769.

Terminal Pleistocene/Early Holocene

This initial period includes archaeological manifestations that have variously been labeled as Clovis, Paleoindian, Lake Mohave, San Dieguito, Scraper Maker, and Western Pluvial Lakes Tradition, as well as some of the components that have been termed Archaic, La Jolla, or Encinitas.

Archaeological evidence assignable to the Clovis complex of the terminal Pleistocene (ca. 10,000 B.P.) is fairly well documented in North America, including several parts of California (Davis and Shutler 1969) and Baja California (Hyland 1997). However, Clovis remains appear to be scarce or absent within San Diego County.

The earliest generally accepted local archaeological pattern is the San Dieguito Complex. Dates for the San Dieguito component at the C. W. Harris site begin at 9,030 radiocarbon years before the present (RCYBP). Warren et al. (2008) projected a starting date for the component at about 10,500 RCYBP. Building on the discussion of North American cultural stages by Willey and Phillips (1958), some scholars have viewed the San Dieguito pattern as a Lithic or Paleoindian phenomenon, representing lifeways characterized by high mobility and an emphasis on big game hunting. Others would classify San Dieguito as belonging to the early Archaic stage, rooted in a more diversified and plant-oriented adaptation. Remains that have been considered to be characteristic of San Dieguito components include large stemmed projectile points (Lake Mohave and Silver Lake forms), crescents, heavy unifacial tools (scraper planes), a focused use of the local metavolcanic rock for flaking, a scarcity of milling tools, and little emphasis on shellfish harvesting (but see Becker and Iversen 2007).

Middle Holocene

A long middle Holocene period (ca. 7500 B.P. to 3500 B.P.) encompasses most of the assemblages assigned to the Archaic (or Early Archaic, or Middle Archaic), La Jolla, Millingstone, Littoral, Shell Midden, Encinitas, Campbell, and Pauma analytical units. Such components are frequently characterized by shell middens, fairly abundant ground stone, generally simple flaked stone assemblages, and inhumations.

Spanning six millennia or more, the middle Holocene pattern in western San Diego County is notable for its apparent continuity and conservatism, as compared with somewhat more dynamic contemporaneous patterns in other parts of southern California, including the Santa Barbara coast and the Mojave Desert. Several proposals have been made to subdivide the period locally into two or three separate chronological units (e.g., Harding 1951; Moriarty 1966; Rogers 1945; Warren 1964; Warren et al. 2008). However, firm criteria for making such distinctions have not been identified, and even the general directions of cultural change during this period remain uncertain.

At inland San Diego County locations, sites dating from the middle Holocene have sometimes been labeled Pauma, Campbell, or Inland La Jolla. Most of the Pauma complex sites have been identified either in the San Luis Rey River valley upstream from Pala or on the Valley Center plateau. Various relationships between middle Holocene coastal sites and the sparser contemporaneous manifestations inland have been suggested. Possible interpretations are that

coastal and inland sites were produced by the movements of members of a single population, on a seasonal or episodic basis; by separate but related populations that were economically complementary to each other; or by ethnically distinct groups, with inland and some coastal components reflecting intrusions of people from the eastern deserts (True 1958, 1980; Warren 1968; Warren et al. 2008).

Late Holocene

The latest period in the prehistory of the Project area is known by such labels as Late Prehistoric, Late Archaic, Shoshonean, and San Luis Rey. Hallmarks of the period include the mortar and pestle, arrow-sized projectile points, ceramics, and human cremations. The chronologies for the external introduction or local innovation of these traits are only imprecisely known, and the new patterns probably arose at separate times, perhaps extending over a period spanning as much as 1,500 years. San Luis Rey I is the label generally applied to components with small, arrow-sized projectile points but no pottery in northern San Diego County, while the more numerous San Luis Rey II components contain pottery as well as small points.

In most inland areas of San Diego County, archaeological sites that are assignable to the late Holocene appear to be much more numerous than earlier sites (Christenson 1989). The general pattern is suggestive of population growth and subsistence intensification, with seeds and other inland resources playing an increasingly important role. However, late Holocene use of coastal resources seems to have continued more strongly in the northern portion of the county—which was historically occupied by Luiseño speakers—than farther south in the central and southern portions of the county (Byrd 1998; Pignuolo 2005; Rosenthal et al. 2001). Only limited success has been achieved in attempts to distinguish archaeologically between the remains left by the Luiseño and the linguistically unrelated but culturally similar Ipai/ Kumeyaay (Pignuolo 2004; True 1966).

Ethnographic Period

The project area is within the ethnographic territory of the Luiseño. Early descriptions of the lifeways of the Luiseño were provided by missionaries, administrators, and other travelers, who gave attention primarily to the coastal populations (Boscana 1846; Fages 1937; Geiger and Meighan 1976; Harrington 1934; Laylander 2000). Subsequent ethnographers during the early twentieth century were able to give much more objective, detailed, and penetrating accounts. In most cases, the later investigators described inland rather than coastal lifeways. Most of the ethnographers attempted to distinguish between observations of the customs of surviving Native Americans and orally transmitted or inferred information relating to the lifeways of native groups prior to European intrusion into the region (Drucker 1939; DuBois 1908; Kroeber 1925; Sparkman 1908; Strong 1929; White 1963).

The Luiseño language belongs to the Takic linguistic group within the Uto-Aztecan family, and has its closest relatives to the north and east. The debatable technique of glottochronology suggests that the separation of Luiseño from its relatives may have occurred on the order of 2,500-3,000 years ago, and this may perhaps correspond to the time when the ancestral form of the language first appeared in northwestern San Diego County (Laylander 1985).

Aboriginal subsistence in the region was almost entirely based on the harvesting of natural plants and animals, rather than on agriculture. Acorns were a staple food source for the western groups, while agave and mesquite were staples for people living to the east of the crest of the Peninsular Range. Numerous other plants were exploited for the food value of their seeds, fruit, roots, stalks, or greens, and a still larger number of species had known medicinal uses. Game animals included deer, first and foremost, but mountain sheep and pronghorn antelope were also present, as well as bears, mountain lions, bobcats, coyotes, badgers, and other medium-size mammals. Small mammals were probably as important as larger animals in aboriginal diets. Jackrabbits and cottontails were preeminent, but woodrats and other rodents were also commonly exploited. Various birds, reptiles, and amphibians were caught and eaten. Food taboos were few in number and inconsistently applied, to judge from the ethnographic record. The only precontact domesticated animal was the dog. It is not clear whether marine fish and shellfish were a mainstay for some groups who were based on the coast, or whether marine resources served merely as supplemental foods used by groups whose primary focus was on terrestrial resources. Interregional exchange systems are known to have linked western San Diego County with areas to the east in particular (Davis 1961), but such exchange may have been motivated primarily by social and ceremonial objectives rather than to meet material needs.

The Luiseño developed a varied material culture that functioned well, but it was not highly elaborated by worldwide standards. An array of tools was made from stone, wood, bone, and shell, and these served to procure and process the region's resources. Needs for shelter and clothing were minimal in the forgiving climate, but considerable attention was devoted to personal decoration in ornaments, painting, and tattooing. The local pottery was well made, although it was not elaborately decorated. The craft of basketry was particularly refined.

The Luiseño were subdivided into essentially sovereign local communities or tribelets. Community membership was generally inherited through the male line. However, in practice some degree of geographical intermixing of these patrilineal groups was probably present during the historical period, and this may have reflected a degree of flexibility in community membership during prehistoric times as well. Later descriptions of the settlement systems were inconsistent, and there may have been considerable variability in practice (cf. Laylander 1997). In some areas, substantial permanent, year-round villages seem to have existed, with more remote resources beyond the daily foraging range being acquired by special task groups. In other areas, communities appear to have followed an annual circuit among seasonal settlements, or to have oscillated between summer and winter settlements, often with the community splitting up into its constituent families during certain seasons. Rights of ownership over the land and its various resources were vested both in individual families and in the clan or the community as a whole. Leadership within communities had at least a tendency to be hereditary, but it was relatively weak; authority was more ceremonial and advisory than administrative or judicial in character. Headmen had various formally designated assistants, and shamans exerted an important influence in community affairs, beyond their role in curing individual illness.

Historical Period

European activity within the region began as early as A.D. 1542, when Juan Rodríguez Cabrillo landed in San Diego Bay. It is possible that other contacts between local Native Americans and

Europeans occurred during the next 150 years but went unrecorded. These brief encounters made the local native people aware of the existence of other cultures that were technologically and socially different than their own. Epidemic diseases may also have been introduced into the region at an early date, either through direct contacts with the infrequent European visitors or in waves of diffusion emanating from other native groups farther to the east or south. It is possible, but as yet unproven, that the precipitous demographic decline of native peoples had already begun prior to the arrival of Gaspar de Portolá and Junípero Serra in 1769. Any archaeological evidence concerning biological and cultural changes in the San Diego area during the protohistoric centuries between 1542 and 1769 would potentially hold considerable research interest.

Spanish colonial settlement began in 1769. Multiple expeditions arrived in San Diego by land and sea in that year. They then continued northward toward Monterey through the coastal plain a short distance to the west of the study area. Initially, a military presidio and a mission were established at San Diego. In 1776, the Luiseño were brought first to the mission at San Juan Capistrano in southern Orange County, and after 1798 they were moved to Mission San Luis Rey, about 10 km southwest of the study area. Farther inland, the middle San Luis Rey River had been explored by Juan Mariner and Juan Pablo Grijalva in 1795. An outstation (or *asistencia*) for Mission San Luis Rey was established in 1816 at Pala.

Further disruptions of native peoples in western San Diego County occurred in the early nineteenth century. These resulted from a growing number of private land grants, Mexico's separation from the Spanish Empire in 1821, and the secularization of the California missions in the 1830s. Pauma Rancho, including the eastern portion of the study area, was granted to José Antonio Serrano in 1844 (Moyer 1969). Some of the former mission neophytes were absorbed into the work forces on the ranchos, while others drifted toward the urban centers at San Diego and Los Angeles or moved to the eastern portions of the county where they were able to join still largely autonomous native communities.

United States conquest and the annexation of California, together with the gold rush in the northern part of the state, drew many additional outsiders into the region. During the Mexican-American War of 1847, the Mormon Battalion opened the first wagon road to San Diego from the east. The upper San Luis Rey River valley was a refuge area for the Luiseño, and formal reservations were established at Pala (1875), Rincon (1875), Pauma-Yuima (1891), and La Jolla (1892) (Trafzer 2004).

Development in San Diego County during the late nineteenth and early twentieth centuries was fitful, undergoing cycles of economic boom and bust. The study area was bypassed by much of this development, and local development has also been sporadic. In addition to ranching and agriculture (notably avocado and citrus orchards), mining for metal and gems has been a significant activity.

Study Methods

Methods used to assess the presence or absence of cultural resources within the Project area included a search of existing records and an intensive field survey. A search of records held at

the California Historical Resources Information System (CHRIS) South Coastal Information Center (SCIC) was conducted for the augmented project area and a 0.5-mile radius around it on November 21, 2017 (Appendix A).

Historic aerial photographs and historic USGS topographic maps of the Project area were consulted from historicaerials.com and the USGS Historical Topographic Map Explorer.

The field survey was conducted on October 5, 2017, by ASM Associate Archaeologist Doug Drake. Field methods consisted of a pedestrian survey of the Project area by the archaeologist in transects spaced at 15-m intervals, depending on terrain. Any isolates, sites, and features were recorded. All site and isolate locations were recorded in Universal Transverse Mercator (UTM) coordinates using handheld GeoExplorer Trimble units with sub-meter accuracy. Resources were plotted on project maps using NAD 83 UTM coordinates. As applicable, site information was recorded on State of California DPR 523 series forms to State of California standards.

Study Results

SCIC RESULTS

The records search identified 66 previous cultural resources reports that addressed areas within a 0.5-mile radius of the project area. Thirty-six of those reports intersect with a portion of the Project area (Table 1). One hundred percent of the Project's APE has been previously surveyed for cultural resources. The majority of these studies were conducted in association with improvements to SR-76 including road widening, bridge replacement, and curve straightening projects. Studies within or adjacent to the current project alignment include a study conducted by Gallegos & Associates in 2004 for the 12-Inch Forcemain Replacement, Lift Stations 1 And 2 Project; and a study conducted by Roger Mason in 2009 for the RMWD Lift Station 2 Project.

Table 1. Previous Cultural Resources Reports Within a 0.5-Mile Radius of the Project Area

SCIC Project Number	Author	Year	Report Title	Relation to the Project's APE
SD-00006	Daly, Kenneth	1976	Environmental Impact Evaluation: Archaeological Survey of a Portion of the San Luis Rey River Valley Near Bonsall, San Diego County, California	Intersect
SD-00009	DeCosta, Joan	1982	An Archaeological Survey of Route 76 East of Bonsall, 11-SD-76, P.M. 13.0-1.3,11245-185060	Outside
SD-00388	Carrico, Richard	1973	Environmental Impact Statement Golf Greens Estates 28.5 Acres	Intersect
SD-00629	Eckhardt, Leslie C.	1978	Archaeological - Historical Survey of the San Luis Rey Highlands	Outside
SD-01398	Norwood, Richard	1977	Rancho Montclair an Archaeological Survey Near Fallbrook, California	Outside
SD-01375	Rosen, Martin D.	1985	First Addendum Archaeological Survey Report 11-SD-76, P.M. 11.7/12.2 11212-184551	Outside

SCIC Project Number	Author	Year	Report Title	Relation to the Project's APE
SD-01409	Rosen, Martin D.	1985	Report of an Archaeological Survey on State Route 76 11-SD-76 P.M. 12.4/16.8 11209-116740	Intersect
SD-01482	Rosen, Martin D.	1984	Curve Realignment and Road Widening Along State Route 76 11-SD-76 10.5/11.0 11359-18450	Outside
SD-01484	Rosen, Martin D.	1984	Final Report of an Archaeological Test Excavation at CA-SDI-674 Bonsall, California 11-SD-76 P.M. 12.0 11359-184550	Intersect
SD-01488	Rosen, Martin D.	1982	Archaeological Phase I Survey Report for Proposed Intersection Realignment and Highway Widening on 11-SD-76 P.M. (11359-184550)	Intersect
SD-01694	Polan, H. Keith	1981	San Luis Rey Highlands: A Report on a Phase II Testing Program	Outside
SD-01951	Smith, Brian F.	1990	An Archaeological Survey of the California Sand & Gravel, Inc. Project County of San Diego Major Use Permit No. 81-087	Intersect
SD-02050	Browne & Vogt	1983	Draft Environmental Impact Report San Luis Rey Vistas Proposed Mobile Home Park	Intersect
SD-02056	American Pacific Environmental Consultants, Inc.	1979	Golf Green Estates Draft Environmental Impact Report TM3787; P79; Log#78-2-129	Intersect
SD-02558	Wade, Sue	1992	Archaeological Survey of Parcels 126-310-3 and 126-050-54 for the Leeds/Strauss Tentative Subdivision	Outside
SD-02866	Coleman Planning Group	1992	Draft Environmental Impact Report for Hidden Hills, a Proposed Residential Subdivision of 55 Lots on 131 Acres in Bonsall, California.	Outside
SD-02916	Peak & Associates, Inc	1990	Cultural Resources Assessment of AT&T's Proposed San Bernardino to San Diego Fiber Optic Cable, San Bernardino, Riverside, and San Diego Counties, California	Intersect
SD-03103	Smith, Brian	1993	The Results of an Archaeological Survey and Evaluation of Cultural Resources at the Bonsall Subdivision Project	Outside
SD-03368	Smith, Brian F. and Larry Pierson	1996	The Results of an Evaluation of Cultural Resources at the Bonsall Subdivision Project (TM 4998) Bonsall, County of San Diego, California LOG #91-2-87	Outside
SD-04061	RECON	1977	Draft Environmental Impact Report for Dulin Ranch Specific Plan	Outside
SD-04470	Rosen, Martin	1983	1st Supplemental Historic Property Survey 11-Sd-76	Intersect
SD-04588	Caltrans and Martin Rosen	1991	Negative Archaeological Survey Report: Widening & Realignment of a 550-Foot Section of State Route 76, East of Oceanside, Ca	Outside
SD-04848	Rosen, Martin	1982	Historical Property Survey Realignment & Widening	Intersect
SD-04907	Rosen, Martin	1985	Report of an Archaeological Survey on State Route 76	Intersect
SD-06637	Rosen, Martin	1996	Historic Property Survey-S.R. 76 Temporary Bridge-Camino Del Rey	Outside

SCIC Project Number	Author	Year	Report Title	Relation to the Project's APE
SD-06773	Rosen, Martin	1982	Archaeological Phase I Survey Report for Proposed Intersection Realignment and Highway Widening on 11-SD-766 P.M.12.0	Intersect
SD-06788	Caltrans	1982	Archaeological Survey Report of Route 76 East of Bonsall 11-SD-76, P.M. 13.0-14.3	Outside
SD-07458	Joyner, Kathie and Anna Noah	1989	Fallbrook Drainage and Flood Control	Outside
SD-08512	Browne & Vogt	1983	Proposed Reclamation Plan and Major Use Permit for Sand Mining	Intersect
SD-08540	Westec	1976	Archaeological Survey of Borrow Pit Site at State Highway 76 and Mission Road	Intersect
SD-08543	Westec	1978	Archaeological/Historical Survey of Golf Green Estates	Outside
SD-08787	Coleman Planning Group	1991	Appendix to the Groves Draft Environmental Impact Report	Intersect
SD-08810	McGinnis, Patrick and Michael Baksh	2003	Cultural Resource Survey of the North County Bus Stops Replacement Project, San Diego County, California	Intersect
SD-09577	Guerrero, Monica C. and Dennis R. Gallegos	2004	Cultural Resource Report for the 12-Inch Forcemain Replacement/Lift Stations 1 and 2 Project San Diego County, California	Outside
SD-09704	Smith, Brian F. and James Clifford	2005	Cultural Resources Study for the Bether Project, Bonsall, San Diego County, California	Outside
SD-09982	Clifford, James and Alex Wesson	2006	Cultural Resources Study for the Bether Project, Bonsall, San Diego County, California	Outside
SD-10672	Lorenzen, Karl James and Brian F. Smith	2006	An Archaeological Assessment of the Golf Green Estates Project	Intersect
SD-10707	Shalom, Diane	2006	Cultural Resources Survey for the San Luis Rey River Park Master Plan San Diego, California	Intersect
SD-11371	Shalom, Diane	2007	Cultural Resources Survey Report for Sycamore Downs - S06-006, Log No. 06-02-004, APN 126-230-22, Negative Findings	Outside
SD-11379	Shalom, Diane	2007	Cultural Resources Survey Report for: Sycamore Downs S06-006, Log No. 06-02-004 - Negative Survey	Outside
SD-11704	Robbins-Wade, Mary	2005	Archaeological Resources Survey, Topmark Property, Bonsall, San Diego County, California	Outside
SD-11773	Robbins-Wade, Mary	2004	Archaeological Resources Survey, Tabata Property, Bonsall, San Diego County, California, Tpm 20729; Account # Cp 15717; Er 03-02-010	Intersect
SD-11822	Rosen, Martin D.	2008	First Supplemental Historic Property Survey Report (Hpsr-S1) for the State Route 76 Widening and Realignment Project, San Diego County, California	Intersect

SCIC Project Number	Author	Year	Report Title	Relation to the Project's APE
SD-11986	Laylander, Don	2003	Archaeological Survey Report for the State Route 76 Widening and Realignment Project Near Bonsall, San Diego County, California	Intersect
SD-11987	Laylander, Don	2003	Negative Archaeological Survey Report - First Supplemental - for the Proposed Widening of SR-76 Between Melrose Drive and South Mission Road	Intersect
SD-11988	Laylander, Don	2004	Negative Archaeological Survey Report - Second Supplemental - for the Proposed Widening of SR-76 Between Melrose Drive and South Mission Road	Intersect
SD-11989	Laylander, Don	2004	Negative Archaeological Survey Report - Third Supplemental - for the Proposed Widening of SR-76 Between Melrose Drive and South Mission Road	Intersect
SD-11990	Laylander, Don	2005	Archaeological Evaluation Report for Prehistoric Sites SDI-14,047 and SDI-16,497 near Bonsall, San Diego County, California	Outside
SD-11991	ASM Affiliates	2006	Treatment Plan for Buried Cultural Resources: State Route 76 Widening and Realignment Project Near Bonsall, San Diego County, California	Intersect
SD-11992	Laylander, Don	2004	Extended Phase I Testing at Five Prehistoric Archaeological Sites (SDI-1250, -6003, -14,047, -16,497, and -16,499) Near Bonsall, San Diego County, California	Intersect
SD-11993	Laylander, Don	2006	Extended Phase I Testing at Prehistoric Sites Ca-SDI-10,879, Ca-SDI-10,880, and Ca-SDI-12,155 Near Bonsall, San Diego County, California	Outside
SD-11996	Hovey, Kevin	2007	Fifth Supplemental Archaeological Survey Report: State Route 76 Widening and Realignment Project Near Bonsall, San Diego County, California	Intersect
SD-11997	Baksh, Michael	2006	Native American Consultation for the State Route 76 Melrose to Mission Corridor Improvement Project	Intersect
SD-11998	Lortie, Frank	2004	Historic Resource Evaluation Report for Existing Alignment Alternative and Southern Alignment Alternative for State Route 76 at Bonsall	Intersect
SD-11999	Hovey, Kevin	2007	Historic Property Survey Report for the State Route 76 Melrose to Mission Realignment and Widening Project	Intersect
SD-12001	Rosen, Martin	2007	First Supplemental Historic Property Survey Report for the State Route 76 Melrose to Mission Realignment and Widening Project	Intersect
SD-12004	Laylander, Don	2006	Archaeological Survey Report for the Groves Advanced Mitigation Parcels Near Bonsall, San Diego County, California	Outside
SD-12164	Rosen, Martin	2009	First Addendum Archaeological Survey Report for the Groves Biological Mitigation Parcel, State Route 76 Widening and Realignment Project Near Bonsall, San Diego County, California	Outside
SD-12360	Underwood, Jackson, et al.	2009	Cultural Resources Services at Site CA-SDI-222 (Border Field State Park) and Site Ca-SDI-4281 (Lichty Mesa) for the San Diego Border Barrier Project, San Diego County, California	Outside

SCIC Project Number	Author	Year	Report Title	Relation to the Project's APE
SD-12992	Shalom-Buell, Diane	2011	North County Fire Protection District Bonsall Fire Station Number 5 Site Plan B Designator, 3500 11-003 (S) APN 126-230-35 Negative Findings	Outside
SD-13210	EDAW, Inc.	2009	State Route 76 Corridor- SR-76 Highway Improvement Project Historic Property Survey Report	Intersect
SD-13855	Ní Ghabhláin, Sinéad, Sarah Stringer-Bowsher, and Shelby Gunderman	2011	Archaeological Survey Report for the San Luis Rey River Park San Diego County, California	Outside
SD-14145	Stropes, Tracy A. and Brian F. Smith	2013	A Class III Cultural Resources Study for the Mossa Creek Mitigation Bank Project	Intersect
SD-14827	Tsunoda, Koji	2013	Third Supplemental Historic Property Survey Report (HPSR): State Route (SR) 76 Widening Project Between South Mission Road and Interstate 15	Intersect
SD-14828	Tsunoda, Koji	2013	Revised- Third Supplemental Historic Property Survey Report (HPSR): State Route (SR) 76 Widening Project Between South Mission Road and Interstate 15	Intersect
SD-15763	Robbins-Wade, Mary and Andrew Giletti	2014	Lilac Del Cielo Cultural Resources Survey, Bonsall, San Diego County, California	Outside

The search also identified a total of 19 previously recorded cultural resources within a 0.5-mile radius of the Project survey area (Table 2). Of the 20 previously recorded resources, 14 are prehistoric sites, two are historic resources associated with trails and roads, one is a historic trash scatter, one is a historic isolate, one is a prehistoric isolate, and one is unknown. Two of the resources, SDI-674 and SDI-8663, are adjacent to the Project's survey area, but are not within the Project's APE.

Table 2. Previously Recorded Cultural Resources within a 0.5-Mile Radius of the Project Area

Designation		Relation to the Project's APE	Contents	Recorder, Date
Primary Number P-37-	Trinomial CA-SDI-			
000674	00674	Adjacent	AP4 – bedrock milling feature; AP2 – lithic scatter; AP15 – habitation debris	True 1960; RECON 1981; Rosen 1982; Moslak 2003
000679	00679	Outside	AP15 – habitation debris	True 1960
000680	00680	Outside	AP3 – ceramic scatter	True 1960
000782	00782	Outside	unknown	Site Record Missing

Designation		Relation to the Project's APE	Contents	Recorder, Date
Primary Number P-37-	Trinomial CA-SDI-			
008663	08663	Outside	AP2 – lithic scatter; AP3 – ceramic scatter; AP4 – bedrock milling features	Walker 1981
010879	10879	Outside	AP2 – lithic scatter; AP3 – ceramic scatter; AP15 – habitation debris	White 1987; Moslak 2003; Laylander 2006
12948	12948	Outside	AP16 – shell scatter	Saunders 1992
024923	16497	Outside	AP2 – lithic scatter; AP3 – ceramic scatter; AP4 – bedrock milling features; AP15 – habitation debris	Moslak 2003; Laylander and Palette 2004
27206	17795	Outside	AP4 – bedrock milling feature	Miller Jason 2006
028134	-	Outside	HP37 – Road	Gergory 2006
028135	-	Outside	HP37 - Road- Historic Highway 395	Gregory and Bowden-Renna 2006
030071	-	Outside	AP16 – other (handstone isolate)	Bowden-Renna 2006
030439	19341	Outside	AP4 – bedrock milling feature	Crafts and Tsunoda 2009
031759	-	Outside	AH4 - isolate – historic trash scatter	Gunderman, Pham, Muirhead, and Mojado 2011
033870	-	Outside	AP4 – bedrock milling feature	Giletti, Davison, and Castaneda 2014
033871	-	Outside	AP4 – bedrock milling feature	Giletti, Davison, and Castaneda 2014
033872	-	Outside	AP4 – bedrock milling feature	Giletti, Davison, and Castaneda 2014
034895	021709	Outside	AP2 – lithic scatter; AP4 – bedrock milling feature; AP11 – hearth	James and Briggs 2004, Price 2015
034896	021710	Outside	AH4 – historic trash scatter	Bruce and Shultz 2015
035966	-	Outside	AP4 – bedrock milling feature	Blake and Tsunoda 2015

P-37-000674/ CA-SDI-674

The Project's survey area is adjacent to the northern boundary of SDI-674. The site was originally recorded by True in 1960 as a camp site covering one-quarter of an acre. The site included a midden deposit with several bedrock milling stations. Pestles, manos and "chipping waste" were noted. The site record was updated in 1980 during a resurvey by RECON, when another nearby site SDI-8663 with several loci, was also recorded. In 1982, these sites were combined into a single site, SDI-674, by Rosen et al. This site is probably the location of the ethnohistoric site of "Kwalam" (Oxendine 1983). SDI-674 was recorded as consisting of five loci, extending for about 400 m north-south along the western margin of the San Luis Rey River floodplain and at least 76 bedrock milling features, including seven cupules, were recorded.

Excavations within the site were conducted in 1983. Thirteen 1-x-1-m units were excavated, and three .2-x-.2-m column samples were also sorted. Recovered prehistoric artifacts included a metate fragment, 21 manos and three mano/pestles, a mano/hammerstone, 16 bifacial tools

(including six large bifaces, five Cottonwood Triangular projectile points, one Desert Side-notched projectile point, and four untypeable fragments that were probably projectile points), four unifacial tools, two core/unifaces, six utilized flakes, 12 cores, 1,281 pieces of debitage, one fragment of a stone pipe or bead, one quartz crystal (an item possibly used in ceremonial contexts), and 190 pieces of Tizon Brown Ware pottery. Other culturally deposited materials included 43.4 g of marine shell (primarily *Donax gouldii* and *Chione* sp.) and 7,347 pieces of animal bone (with *Sylvilagus audubonii* predominant for identifiable specimens, but also including nine fish bones). At that time the site was identified as a San Luis Rey II site. However, obsidian studies provided some indication that there were earlier components as well. Sixteen obsidian specimens were chemically matched to the Obsidian Butte source and two specimens were identified as being from the Coso Volcanic Fields source. Coso obsidian is much rarer than Obsidian Butte material in the San Diego region, and it is associated primarily with earlier components dated to before the late prehistoric. On February 24, 1984 the California Office of Historic Preservation concurred with the Federal Highway Administration that the site was not eligible for the National Register of Historic Places.

The site record was updated in 2003 by ASM during a survey conducted in association with the SR-76 Widening and Realignment project near Bonsall. This survey recorded that the central portion of Locus A and a strip near SR-76 was relatively intact, but that Locus B had been destroyed by road construction since 1982. At the time ASM’s survey recorded 15 boulders containing milling features.

P-37-008663/ CA-SDI-8663A

The Project survey area is adjacent to the northern portion of SDI-8663A. It consists of a midden deposit and approximately 50 milling features on six granitic boulders. The site measures approximately 50 x 25 m. It was recorded in 1981 by C. Walker and D. Cheever. In 1982, this site was combined with CA-SDI-674 (described above).

The records search results identified four previously recorded historic addresses within the search radius (Table 3). None of the historic addresses are within the Project’s APE. Only one of the historic addresses has been previously evaluated, 0 Pala Road (Bridge 57-0151, Bonsall Creek Bridge), and was given a National Register of Historic Places (NRHP) Status Code 5, Properties Recognized as Historically Significant by Local Government.

Table 3. Previously Recorded Historic Addresses within a 0.5-Mile Radius of the Project Area

Address	City, Zip	Relation to Project Area	Historic and Common Name	NRHP Status Code
0 Pala Road	Bonsall, 92003	Outside	Bridge 57-0151, Bonsall Creek Bridge	5
31542 and 31552 Old River Road	Bonsall, 92003	Outside	-	-
5580 and 5584 Old River Road	Bonsall, 92003	Outside	-	-
0	Bonsall, 92003	Outside	-	-

Native American Correspondence

A record search of the Sacred Lands File held by the Native American Heritage Commission (NAHC) was conducted for the original project area in 2016. At that time, the NAHC responded that the record search had negative results. An additional record search of the Sacred Lands File was not conducted for the augmented Project alignment.

Archaeological Field Survey Results

During ASM's pedestrian survey, it was noted the ground surface visibility ranged from very good to poor. Ground surface visibility was hindered by pavement and other disturbances along Highway 76 and Olive Hill Rd. (Figure 5). Visibility at the northern end of the Project area was excellent, and ground surface visibility was fair at the newly proposed location for LS1A. Other portions of the project area contained native and non-native vegetation (Figure 6).

No new cultural resources were identified during the survey.

The Project's survey area is adjacent to SDI-674/8663, which was relocated in the same condition and location as previously recorded. No cultural resources pertaining to the site were identified within the Project's alignment, however previously recorded bedrock milling features were identified within 35 m of the Project's survey area. This site is not within the Project's APE and will not be impacted by the Project.

Conclusions and Recommendations

Much of the Project APE has been developed and/or modified and is now covered with asphalt. Per the Project description, ground disturbance will take place within the Project's APE, including the new alignment and Lift Station LS1A only. No cultural resources have been identified within the Project's APE. The Project's survey area is adjacent to SDI-674/8663, and SDI-674/8663 will not be impacted by the project and no further archaeological work is recommended regarding SDI-674/8663.

Due to the extensive prehistoric use of the area, the proximity of the ground disturbance to a possible prehistoric village location, SDI-674/8663, and the alluvial nature of the soils adjacent to the San Luis Rey River possibly containing subsurface cultural resources, it is recommended that all ground disturbance associated with the Project be monitored by a qualified archaeological monitor.

Should you have any questions regarding this study, please do not hesitate to contact me.

Respectfully submitted,



Douglas Drake, M.A., RPA
Associate Archaeologist

Attachments

Figure 1. Project vicinity.

Figure 2. Project APE shown on the Bonsall USGS 7.5-minute Quad.

Figure 3. Project survey area shown on an aerial photograph.

Figure 4. Photograph of the Project area showing disturbance from roadway construction and landscaping, facing north.

Figure 5. Photograph of the Project area showing ground surface visibility, facing west.

Figure 6. Photograph of the proposed LS1A area showing adjacent construction and ground surface visibility, facing east.

Appendix A. SCIC Record Search Confirmation

References

Becker, Mark S., and David R. Iversen (editors)

2007 *Data Recovery at SDI-10723: The Early Archaic and Late Prehistoric Occupation of a Coastal Residential Site from Camp Pendleton, California*. Report on file at ASM Affiliates, Inc. Prepared for NAVFAC Southwest.

Boscana, Geronimo

1846 *Chinigchinich; A Historical Account of the Origin, Customs, and Traditions of the Indians at the Missionary Establishment of San Juan Capistrano, Alta California; called The Acagchemem Nation*. Translated by Alfred Robinson. Wiley and Putnam, New York.

Bowman, Roy H.

1973 *Soil Survey: San Diego Area, California*. United States Department of Agriculture, Washington, D.C.

Byrd, Brian F.

1998 Harvesting the Littoral Landscape During the Late Holocene: New Perspectives from Northern San Diego County. *Journal of California and Great Basin Anthropology* 20:195-218.

Castells, Shelby

2016 Cultural Resources Survey for the Rainbow Municipal Water District Lift Station #1 Replacement Project, Bonsall, San Diego County, California. ASM Affiliates, Inc. Letter Report submitted to Helix Environmental Planning, Inc.

Christenson, Lynne E.

1989 The Late Prehistoric Yuman People of San Diego County, California: Their Settlement and Subsistence Systems. Unpublished Ph.D. dissertation, Department of Anthropology, Arizona State University.

Davis, Emma L., and Richard Shutler, Jr.

- 1969 Recent Discoveries of Fluted Points in California and Nevada. *Anthropological Papers* 14:154–169. Nevada State Museum, Carson City.

Davis, James T.

- 1961 *Trade Routes and Economic Exchange Among the Indians of California*. University of California Archaeological Survey Reports No. 54. Berkeley.

Drucker, Philip

- 1939 Culture Element Distributions V: Southern California. *Anthropological Records* 1:1-52. University of California Press, Berkeley.

DuBois, Constance Goddard

- 1908 The Religion of the Luiseño Indians. *University of California Publications in American Archaeology and Ethnology* 8:69-173. Berkeley.

Fages, Pedro

- 1937 *A Historical, Political, and Natural Description of California (1775)*. Translated by Herbert Ingram Priestly. University of California Press, Berkeley.

Geiger, Maynard, and Clement W. Meighan

- 1976 *As the Padres Saw Them: California Indian Life and Customs as Reported by the Franciscan Missionaries, 1813-1815*. Santa Barbara Mission Archive Library.

Harding, Mabel

- 1951 La Jollan Culture. *El Museo* 1(1):10-11, 31-38, San Diego.

Harrington, John P.

- 1934 *A New Original Version of Boscana's Historical Account of the San Juan Capistrano Indians of Southern California*. Smithsonian Miscellaneous Collections 92(4). Washington, D.C.

Hyland, Justin R.

- 1997 Image, Land, and Lineage: Hunter-Gatherer Archaeology in Central Baja California, Mexico. Unpublished Ph.D. dissertation, Department of Anthropology, University of California, Berkeley.

Kroeber, A. L.

- 1925 *Handbook of the Indians of California*. Bureau of American Ethnology Bulletin No. 78. Smithsonian Institution, Washington, D.C.

Laylander, Don

- 1985 Some Linguistic Approaches to Southern California's Prehistory. *San Diego State University Cultural Resource Management Casual Papers* 2(1):14-58.
- 1997 Inferring Settlement Systems for the Prehistoric Hunter-Gatherers of San Diego County, California. *Journal of California and Great Basin Anthropology* 19:179-196.

2000 *Early Ethnography of the Californias, 1533-1825*. Coyote Press Archives of California Prehistory No. 47, Salinas.

Moriarty, James R., III

1966 Cultural Phase Divisions Suggested by Typological Change Coordinated with Stratigraphically Controlled Radiocarbon Dating at San Diego. *Anthropological Journal of Canada* 4:20-30.

Moyer, Cecil C.

1969 *Historic Ranchos of San Diego*. Union-Tribune Publishing Company, San Diego.

Pigniolo, Andrew R.

2004 Points, Patterns, and People: Distribution of the Desert Side-notched Point in San Diego. *Proceedings of the Society for California Archaeology* 14:27-39.

2005 Subsistence, Settlement, and Environmental Change at San Diego Bay. *Proceedings of the Society for California Archaeology* 18:255-259.

Pryde, Philip R.

2004 The Nature of the County: San Diego's Climate, Soils, Vegetation, and Wildlife. In *San Diego: An Introduction to the Region*, by Philip R. Pryde, pp. 31-51. Sunbelt Publications, San Diego.

Rogers, Malcolm J.

1945 An Outline of Yuman Prehistory. *Southwestern Journal of Anthropology* 1:167-198.

Rosenthal, Jeffrey S., William R. Hildebrandt, and Jerome H. King

2001 *Donax Don't Tell: Reassessing Late Holocene Land Use in Northern San Diego County*. *Journal of California and Great Basin Anthropology* 23:179-214.

Sparkman, Philip Stedman

1908 The Culture of the Luiseño Indians. *University of California Publications in American Archaeology and Ethnology* 8:187-234. Berkeley.

Strong, William Duncan

1929 Aboriginal Society in Southern California. *University of California Publications in American Archaeology and Ethnology* 26:1-249. Berkeley.

Trafzer, Clifford E.

2004 American Indians: The County's First Residents. In *San Diego: An Introduction to the Region*, by Philip R. Pryde, pp. 53-74. Sunbelt Publications, San Diego.

True, D. L.

1958 An Early Complex in San Diego County. *American Antiquity* 23:255-263.

1966 Archaeological Differentiation of Shoshonean and Yuman Speaking Groups in Southern California. Unpublished Ph.D. dissertation, Department of Anthropology, University of California, Los Angeles.

- 1980 The Pauma Complex in Northern San Diego County: 1978. *Journal of New World Archaeology* 3(4):1-39.

Warren, Claude N.

- 1964 *Cultural Change and Continuity on the San Diego Coast*. Unpublished Ph.D. dissertation, Department of Anthropology, University of California, Los Angeles.
- 1968 Cultural Tradition and Ecological Adaptation on the Southern California Coast. In *Archaic Prehistory in the Western United States*, edited by Cynthia Irwin-Williams, pp. 1-14. Eastern New Mexico University Contributions in Anthropology 1. Portales.

Warren, Claude N., Gretchen Siegler, and Frank Dittmer

- 2008 Paleoindian and Early Archaic Periods. In *Prehistoric and Historic Archaeology of Metropolitan San Diego: A Historic Properties Background Study*, pp. 13-107. Prepared by ASM Affiliates, Inc., for the Metropolitan Wastewater Department, City of San Diego.

White, Raymond C.

- 1963 Luiseño Social Organization. *University of California Publications in American Archaeology and Ethnology* 48:91-194. Berkeley.

Willey, Gordon R., and Philip Phillips

- 1958 *Method and Theory in American Archaeology*. University of Chicago Press, Chicago.



Figure 1. Project vicinity.

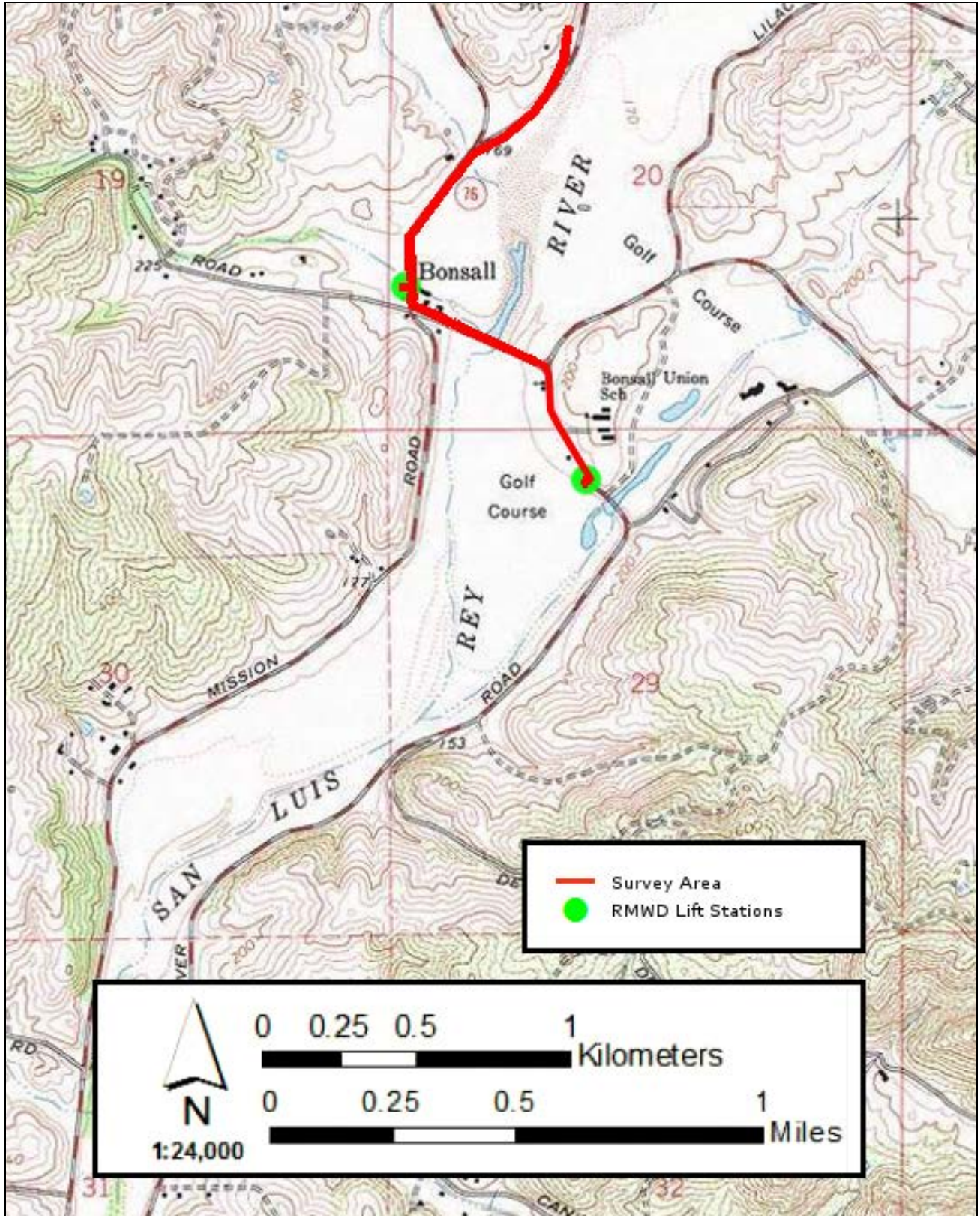


Figure 2. Current survey area shown on the Bonsall USGS 7.5-minute Quad.



Figure 3. Current survey area shown on an aerial photograph.



Figure 4. Photograph of the Project area showing disturbance from roadway construction and landscaping facing south.



Figure 5. Photograph of the Project area showing ground surface visibility, facing west.



Figure 6. Photograph of the LS1A location showing adjacent construction and ground surface visibility, facing east.

Appendix A. SCIC Records Search Confirmation



South Coastal Information Center
 San Diego State University
 5500 Campanile Drive
 San Diego, CA 92182-5320
 Office: (619) 594-5682
 www.scic.org
 nick@scic.org

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM RECORDS SEARCH

Company: ASM Affiliates
Company Representative: Mark Becker
Date Processed: 11/21/2017
Project Identification: RMWD Lift Station #1 Augment #23530.01

Search Radius: 1/2 mile

Historical Resources: YES
 Trinomial and Primary site maps have been reviewed. All sites within the project boundaries and the specified radius of the project area have been plotted. Copies of the site record forms have been included for all recorded sites.

Previous Survey Report Boundaries: YES
 Project boundary maps have been reviewed. National Archaeological Database (NADB) citations for reports within the project boundaries and within the specified radius of the project area have been included.

Historic Addresses: YES
 A map and database of historic properties (formerly Geofinder) has been included.

Historic Maps: YES
 The historic maps on file at the South Coastal Information Center have been reviewed, and copies have been included.

Summary of SHRC Approved CHRIS IC Records Search Elements	
RSID:	2401
RUSH:	no
Hours:	1
Spatial Features:	98
Address-Mapped Shapes:	yes
Digital Database Records:	4
Quads:	1
Aerial Photos:	0
PDFs:	Yes
PDF Pages:	106

Appendix D

Construction Noise Modeling Outputs

Construction Noise Modeling Outputs

Lift Station - General Construction Assumptions											
Equipment	dBA L _{MAX}	Percentage	Use Per Day	Ordinance Hour Day	L _{EQ} dBA (Daily)		Distance	L _{EQ} dBA (Daily)		Distance Too:	Distance
Noise Sum	80.7	N/A	N/A	N/A	79.9	97376466.5	30.0	84.3	270490184.8	75	87.7
Excavator	80.7	40%	8	8	76.7	46995902.2	30.0	81.2	130544172.8	75	61.0
Loader	79.1	40%	8	8	75.1	32513220.6	30.0	79.6	90314501.8	75	50.7
Truck (Dump Truck, Flatbed Truck)	76.5	40%	8	8	72.5	17867343.7	30.0	77.0	49631510.2	75	37.6
Lift Station - Cement Pouring Assumptions											
Equipment	dBA L _{MAX}	Percentage	Use Per Day	Ordinance Hour Day	L _{EQ} dBA (Daily)		Distance	L _{EQ} dBA (Daily)		Distance Too:	Distance
Noise Sum	86.0	N/A	N/A	N/A	82.8	189585971.2	30.0	87.2	526627697.8	75	122.4
Cement Truck	78.8	40%	8	8	74.8	30343103.0	30.0	79.3	84286397.2	75	49.0
Cement (reed boom)	86.0	40%	8	8	82.0	159242868.2	30.0	86.5	442341300.6	75	112.2
Pipeline Construction - General Construction Assumptions											
Equipment	dBA L _{MAX}	Percentage	Use Per Day	Ordinance Hour Day	L _{EQ} dBA (Daily)		Distance	L _{EQ} dBA (Daily)		Distance Too:	Distance
Noise Sum	80.7	N/A	N/A	N/A	80.9	122345706.6	30.0	85.3	339849184.9	75	98.3
Excavator	80.7	40%	6	8	75.5	35246926.6	30.0	79.9	97908129.6	75	52.8
Loader	79.1	40%	8	8	75.1	32513220.6	30.0	79.6	90314501.8	75	50.7
Pump	77.0	100%	8	8	77.0	50118723.4	30.0	81.4	139218676.0	75	62.9
Truck (Dump Truck, Flatbed Truck)	76.5	40%	2	8	66.5	4466835.9	30.0	70.9	12407877.6	75	18.8
Lift Station - Cement Pouring Assumptions											
Equipment	dBA L _{MAX}	Percentage	Use Per Day	Ordinance Hour Day	L _{EQ} dBA (Daily)		Distance	L _{EQ} dBA (Daily)		Distance Too:	Distance
Noise Sum	86.0	N/A	N/A	N/A	82.8	189585971.2	30.0	87.2	526627697.8	60	688.5
Cement Truck	78.8	40%	8	8	74.8	30343103.0	30.0	79.3	84286397.2	60	275.4
Cement (reed boom)	86.0	40%	8	8	82.0	159242868.2	30.0	86.5	442341300.6	60	631.0

Appendix E

NOI and Proof of Publication



Notice of Intent to Adopt A Mitigated Negative Declaration

LIFT STATION NO. 1 REPLACEMENT PROJECT

DATE: November 6, 2020

TO: State Clearinghouse; Responsible, Trustee, and Other Jurisdictional Agencies; and Other Interested Organizations/Individuals

LEAD AGENCY: Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

Notice is hereby given that the Rainbow Municipal Water District (District), as the lead agency under the California Environmental Quality Act (CEQA), has prepared and plans to adopt a Mitigated Negative Declaration (MND) for the above-named project. The District boundaries encompass the unincorporated communities of Rainbow and Bonsall, as well as portions of Pala, Fallbrook, and the city of Vista.

Project Location

The proposed project is generally located in the unincorporated community of Bonsall, west of Interstate 15 and approximately 12 miles inland from the Pacific Ocean in northwest San Diego County, California (Figure 1, *Regional Location*). More specifically, the project alignment is located along Old River Road, Golf Club Drive, Camino Del Rey, and a segment of State Route 76 (SR-76) from where it intersects with Camino Del Rey/Olive Hill Road to approximately 0.25 mile north of where it meets South Mission Road (Figure 2, *Project Alignment*).

Project Description

The proposed Lift Station No. 1 Replacement Project (proposed project) would entail improvements to facilities associated with the District's existing Lift Station No. 1 (LS1). LS1 would be retained in place during construction of adjacent facilities. The proposed project includes two new lift stations (Thoroughbred LS and Schoolhouse LS), and the installation of seven segments of new sewer/force main to replace existing pipelines.

Thoroughbred LS would be installed within Assessor's Parcel Number (APN) 126-452-01-00, which is located at the southwestern corner of the intersection of SR-76 and Thoroughbred Lane. Schoolhouse LS would be installed within Lot 25 of the Golf Green Estates development along Old River Road.

The project would install a total of approximately 21,000 linear feet of new sewer/force main to replace existing pipelines main of a similar length. New pipelines would be installed within roadways and existing trenches as much as possible.

Potential Environmental Effects

The proposed project would result in potential impacts in the following issue areas: biological resources (adverse impact to special status species); cultural resources (adverse change in the significance of paleontological and archeological resources); hazards and hazardous materials (accidental exposure to hazardous materials); noise (exposure to noise levels above standards during construction and operation); tribal cultural resources (change in significance of tribal cultural resource).

Based on the Initial Study (IS) prepared for the project, it has been determined that the project will not have a significant effect on the environment that cannot be mitigated to a level of insignificance with the incorporation of mitigation measures.

Draft MND Availability

The Draft MND is on file with the District, located at 3707 Old Highway 395, Fallbrook, CA 92028. An electronic copy is available at the District's website at: www.rainbowmwd.com/engineering-services.

Responses and Comments

The District is soliciting comments during the 30-day public comment period for this Draft IS/MND from November 6, 2020 to December 5, 2020. All comments should indicate a contact person for each agency or organization, if applicable. Please submit email comments to mtamimi@rainbowmwd.com and written comments by mail to:

Rainbow Municipal Water District

Attn: Malik Tamimi
Engineering Department
3707 Old Highway 395
Fallbrook, CA 92028

A Final MND, incorporating public input, will be prepared for consideration by the District at a future public meeting. We appreciate your review of the Draft IS/MND. If you have any questions regarding the project, please contact me using the information above.



Chad Williams, Acting District Engineer

Attachments: Figure 1, Regional Location and Figure 2, Project Alignment

THE DAILY TRANSCRIPT

This space for filing stamp only

2652 4TH AVE 2ND FL, SAN DIEGO, CA 92103
Telephone (619) 232-3486 / Fax (619) 270-2503

DELIA A. RUBIO
RAINBOW MUNICIPAL WATER DISTRICT
3707 OLD HIGHWAY 395
FALLBROOK, CA - 92028

PROOF OF PUBLICATION

(2015.5 C.C.P.)

State of California)
County of SAN DIEGO) ss

Notice Type: GPN - GOVT PUBLIC NOTICE

Ad Description:
Notice of Intent to Adopt a Mitigated Negative Declaration

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer and publisher of THE DAILY TRANSCRIPT, a newspaper published in the English language in the City of SAN DIEGO, County of SAN DIEGO and adjudged a newspaper of general circulation as defined by the laws of the State of California by the Superior Court of the County of SAN DIEGO, State of California, under date of 05/13/2003, Case No. GIC808715. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

11/06/2020

Executed on: 11/06/2020
At Los Angeles, California

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

[Handwritten Signature]

Signature



Email

SD#: 3414002

Notice of Intent to Adopt a Mitigated Negative Declaration

Notice is hereby given that the Rainbow Municipal Water District (District), as the lead agency under the California Environmental Quality Act (CEQA), has prepared and plans to adopt a Mitigated Negative Declaration (MND) for the Lift Station No. 1 Replacement Project (project). The District boundaries encompass the unincorporated communities of Rainbow and Bonsall, as well as portions of Pala, Fallbrook, and the city of Vista.

Project Location. The proposed project is generally located in the unincorporated community of Bonsall, west of Interstate 15 and approximately 12 miles inland from the Pacific Ocean in northwest San Diego County, California. More specifically, the project alignment is located along Old River Road, Golf Club Drive, Camino Del Rey, and a segment of State Route 76 (SR-76) from where it intersects with Camino Del Rey/Olive Hill Road to approximately 0.25 mile north of where it meets South Mission Road.

Project Description. The proposed project would include improvements to facilities associated with the District's existing Lift Station No. 1 (LS1). LS1 would be retained in place during construction of adjacent facilities. The proposed project includes two new lift stations (Thoroughbred LS and Schoolhouse LS), and the installation of seven segments of new sewer/force main to replace existing pipelines. Thoroughbred LS would be installed within Assessor's Parcel Number (APN) 126-452-01-00, which is located at the southwestern corner of the intersection of SR-76 and Thoroughbred Lane. Schoolhouse LS would be installed within Lot 25 of the Golf Green Estates Development along Old River Road. The project would install a total of approximately 21,000 linear feet of new sewer/force main to replace existing pipelines of a similar length. New pipelines would be installed within roadways and existing trenches as much as possible.

Potential Environmental Effects. The proposed project would result in potential impacts in the following issue areas: biological resources; cultural resources; hazards and hazardous materials; noise; and tribal cultural resources. Based on the Initial Study prepared for the project, it has been determined that the project will not have a significant effect on the environment that cannot be mitigated to a level of insignificance with the incorporation of mitigation measures.

Draft MND Availability. The Draft MND is on file with the District, located at 3707 Old Highway 395, Fallbrook, CA 92028. An electronic copy is available at the District's website at: www.rainbowmwd.com/engineering-services.

Responses and Comments. The District is soliciting comments during the 30-day public comment period for this Draft

IS/MND from November 6, 2020 to December 5, 2020. Please submit email comments to mtamiim@rainbowmwd.com and written comments by mail to: Rainbow Municipal Water District, Attn: Malik Tamimi, Engineering Department, 3707 Old Highway 395, Fallbrook, CA 92028. A Final MND, incorporating public input, will be prepared for consideration by the District at a future public meeting. 11/6/20

SD-3414002#

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Lift Station No. 1 Replacement ProjectLead Agency: Rainbow Municipal Water DistrictContact Person: Malik TamimiMailing Address: 3707 Old Highway 395Phone: (760) 728-1178 ext. 173City: FallbrookZip: 92028County: San Diego**Project Location:** County: San DiegoCity/Nearest Community: BonsallCross Streets: Old River Road/Camino Del Rey

Zip Code: _____

Longitude/Latitude (degrees, minutes and seconds): 33 ° 17 ' 15 " N / 117 ° 13 ' 15 " W Total Acres: _____Assessor's Parcel No.: 126-452-01-00Section: 20,29-31 Twp.: 10 SRange: 3 W

Base: _____

Within 2 Miles: State Hwy #: 76Waterways: San Luis Rey River, Moosa Creek

Airports: _____

Railways: _____

Schools: Bonsall Elementary**Document Type:**CEQA: NOP Draft EIRNEPA: NOIOther: Joint Document Early Cons Supplement/Subsequent EIR EA Final Document Neg Dec

(Prior SCH No.) _____

 Draft EIS Other: _____ Mit Neg Dec

Other: _____

 FONSI**Local Action Type:** General Plan Update Specific Plan Rezone Annexation General Plan Amendment Master Plan Prezone Redevelopment General Plan Element Planned Unit Development Use Permit Coastal Permit Community Plan Site Plan Land Division (Subdivision, etc.) Other: _____**Development Type:** Residential: Units _____

Acres _____

 Office: Sq.ft. _____

Acres _____

Employees _____

 Transportation: Type _____ Commercial: Sq.ft. _____

Acres _____

Employees _____

 Mining: Mineral _____ Industrial: Sq.ft. _____

Acres _____

Employees _____

 Power: Type _____

MW _____

 Educational: _____ Waste Treatment: Type _____

MGD _____

 Recreational: _____ Hazardous Waste: Type _____ Water Facilities: Type _____

MGD _____

 Other: Wastewater facilities**Project Issues Discussed in Document:** Aesthetic/Visual Fiscal Recreation/Parks Vegetation Agricultural Land Flood Plain/Flooding Schools/Universities Water Quality Air Quality Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater Archeological/Historical Geologic/Seismic Sewer Capacity Wetland/Riparian Biological Resources Minerals Soil Erosion/Compaction/Grading Growth Inducement Coastal Zone Noise Solid Waste Land Use Drainage/Absorption Population/Housing Balance Toxic/Hazardous Cumulative Effects Economic/Jobs Public Services/Facilities Traffic/Circulation Other: _____**Present Land Use/Zoning/General Plan Designation:**

Commercial and Office, Open Space, Agricultural, Residential, Public Agency Lands, Public/Semi-Public Facilities

Project Description: (please use a separate page if necessary)

The proposed project would entail replacement of the District's existing Lift Station No. 1 (LS1) and associated facilities. Two new lift stations (Thoroughbred LS and Schoolhouse LS) will be constructed to replace LS1 and seven segments of approximately 21,000 linear feet of new sewer main will replace existing sewer main. The Thoroughbred LS would be installed within APN 126-452-01-00, which is located at the southwestern corner of the intersection of SR-76 and Thoroughbred Lane. Schoolhouse LS would be installed within Lot 25 of within Lot 25 of the Golf Green Estates Development along Old River Road. LS1 would be retained in place during construction of adjacent facilities. After both the Thoroughbred LS and the Schoolhouse LS are fully operational, the existing LS1 would be removed from service and demolished.

Note: The State Clearinghouse will assign identification numbers for Page 273 of 438 number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

<input type="checkbox"/> Air Resources Board	<input type="checkbox"/> Office of Historic Preservation
<input type="checkbox"/> Boating & Waterways, Department of	<input type="checkbox"/> Office of Public School Construction
<input type="checkbox"/> California Emergency Management Agency	<input type="checkbox"/> Parks & Recreation, Department of
<input type="checkbox"/> California Highway Patrol	<input type="checkbox"/> Pesticide Regulation, Department of
<input checked="" type="checkbox"/> Caltrans District # <u>11</u>	<input type="checkbox"/> Public Utilities Commission
<input type="checkbox"/> Caltrans Division of Aeronautics	<input checked="" type="checkbox"/> Regional WQCB # <u>9</u>
<input type="checkbox"/> Caltrans Planning	<input type="checkbox"/> Resources Agency
<input type="checkbox"/> Central Valley Flood Protection Board	<input type="checkbox"/> Resources Recycling and Recovery, Department of
<input type="checkbox"/> Coachella Valley Mtns. Conservancy	<input type="checkbox"/> S.F. Bay Conservation & Development Comm.
<input type="checkbox"/> Coastal Commission	<input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
<input type="checkbox"/> Colorado River Board	<input type="checkbox"/> San Joaquin River Conservancy
<input type="checkbox"/> Conservation, Department of	<input type="checkbox"/> Santa Monica Mtns. Conservancy
<input type="checkbox"/> Corrections, Department of	<input type="checkbox"/> State Lands Commission
<input type="checkbox"/> Delta Protection Commission	<input type="checkbox"/> SWRCB: Clean Water Grants
<input type="checkbox"/> Education, Department of	<input checked="" type="checkbox"/> SWRCB: Water Quality
<input type="checkbox"/> Energy Commission	<input type="checkbox"/> SWRCB: Water Rights
<input checked="" type="checkbox"/> Fish & Game Region # <u>5</u>	<input type="checkbox"/> Tahoe Regional Planning Agency
<input type="checkbox"/> Food & Agriculture, Department of	<input checked="" type="checkbox"/> Toxic Substances Control, Department of
<input type="checkbox"/> Forestry and Fire Protection, Department of	<input type="checkbox"/> Water Resources, Department of
<input type="checkbox"/> General Services, Department of	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Health Services, Department of	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Housing & Community Development	
<input type="checkbox"/> Native American Heritage Commission	

Local Public Review Period (to be filled in by lead agency)

Starting Date Nov. 6, 2020 Ending Date Dec. 5, 2020

Lead Agency (Complete if applicable):

Consulting Firm: <u>HELIX Environmental Consulting</u>	Applicant: _____
Address: <u>7878 El Cajon Blvd</u>	Address: _____
City/State/Zip: <u>La Mesa, CA 91942</u>	City/State/Zip: _____
Contact: <u>Joanne Dramko</u>	Phone: _____
Phone: <u>619-462-1515</u>	

Signature of Lead Agency Representative: Chad A Williams Date: 11/03/2020

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

Lift Station No. 1 Replacement Project

Summary

SCH Number	2020110091
Lead Agency	Rainbow Municipal Water District
Document Title	Lift Station No. 1 Replacement Project
Document Type	MND - Mitigated Negative Declaration
Received	11/5/2020
Project Applicant	Rainbow Municipal Water District

Document Description The proposed Lift Station No. 1 Replacement Project (proposed project) would include improvements to facilities associated with the District’s existing Lift Station No. 1 (LS1). Based on the current condition of LS1, including its inadequate size for current and predicted future flows, the District proposes to split flows associated with LS1 into two new lift stations (Thoroughbred LS and Schoolhouse LS). In addition to the two new lift stations, the proposed project includes the installation of seven segments of new sewer main to replace existing sewer main. LS1 would be retained in place during construction of adjacent facilities. After both the Thoroughbred LS and the Schoolhouse LS are fully operational, the existing LS1 would be removed from service and demolished

Contact Information Malik Tamimi
Rainbow Municipal Water District

3707 Old Highway 395
Fallbrook, CA 92028, CA 92028

Phone : (760) 728-1178 ext. 173

mtamimi@rainbowmwd.com

Location

Counties San Diego

Cross Streets Hwy 76 Bonsall

State Highways 76

Notice of Completion

Review Period Start 11/6/2020

Review Period End 12/7/2020

Reviewing Agencies California Air Resources Board California Department of Conservation
California Department of Fish and Wildlife, South Coast Region 5 California Department of Forestry and Fire Protection
California Department of Parks and Recreation California Department of Water Resources California Highway Patrol
California Native American Heritage Commission California Natural Resources Agency
California Regional Water Quality Control Board, San Diego Region 9 California State Lands Commission
Department of Toxic Substances Control Office of Historic Preservation
State Water Resources Control Board, Division of Drinking Water
State Water Resources Control Board, Division of Water Quality California Department of Transportation, District 11

Attachments

Environmental Document

- Thoroughbred LS ISMND_110320-with appendices (1) **PDF** **13370 K**
- Thoroughbred LS Project Notice of Intent Draft ISMND & Figures **PDF** **2785 K**
- Thoroughbred LS Summary_Form_for_Document_Submittal **PDF** **193 K**

NOC

- Thoroughbred LS NOC-NOT **PDF** **187 K**

State Comments

- 2020110091_Caltrans Comment **PDF** **266 K**

Disclaimer: The Governor’s Office of Planning and Research (OPR) accepts no responsibility for the content or accessibility of these documents. To obtain an attachment in a different format, please contact the lead agency at the contact information listed above. You may also contact the OPR via email at state.clearinghouse@opr.ca.gov or via phone at (916) 445-0613. For more information, please visit [OPR’s Accessibility Site](#).

Appendix F

Comment Letters and Responses

COMMENTS RECEIVED ON THE DRAFT IS/MND AND RESPONSES

The following commenters submitted written letters to the District during the 30-day public review period on the Draft IS/MND (November 6, 2020 – December 5, 2020). The name of the commenter and date of the letter is provided below.

- A. Maurice Eaton, Branch Chief, California Department of Transportation (Caltrans)
(December 2, 2020)

- B. Dave Faldasz (November 30, 2020)

The comment letters received on the Draft IS/MND have been numbered and the District has provided a written response to each numbered comment. The comment letters and responses are provided on the following pages in side-by-side format. The numbered comments are provided on the left side of the page and the District's response is provided on the right side of the page opposite each comment.

DEPARTMENT OF TRANSPORTATION

DISTRICT 11
4050 TAYLOR STREET, MS-240
SAN DIEGO, CA 92110
PHONE (619) 688-3137
FAX (619) 688-4299
TTY 711
www.dot.ca.gov



*Making Conservation
a California Way of Life.*

December 2, 2020

11-SD-76
PM 11.981
Lift Station No. 1 Replacement Project
MND/SCH#2020110091

Mr. Malik Tamimi
Engineering Project Manager
Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

Dear Mr. Tamimi:

A-1 [Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Mitigated Negative Declaration (MND) for the Lift Station No. 1 Replacement Project located near State Route 76 (SR-76). The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. The Local Development-Intergovernmental Review (LD-IGR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities.

Caltrans has the following comments:

Design

- A-2 [• There is an existing box culvert, Bonsall Creek (Br No.: 57-1210), that the proposed new sewer line alignment is crossing on SR-76. The proposed sewer line will need to comply with Caltrans' requirements.
- A-3 [• The installation of utilities (excluding State-owned electrical facilities) within existing or ultimate State Right-of-Way (R/W) must meet the following minimum cover and clearances along the alignment of the facility:
 - 42 inches below the finished grade or 18 inches below the grading plane of a currently planned project, whichever distance is greater.

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"

A-1 The comment is an introduction to the remainder of the letter.

A-2 The proposed sewer gravity main crossing the existing box culvert, Bonsall Creek (Br No.: 57-1210) will comply with Caltrans' requirements.

A-3 The proposed underground utilities will be designed and installed to meet the minimum requirements that utilities within State right-of-way (R/W) must comply with.

COMMENTS

RESPONSES

Mr. Malik Tamimi
 December 2, 2020
 Page 2

- A-3 cont.
- 12 inches below existing or future drainage structures, but not less than the requirements identified in the bullet above.
 - 30 inches below the flow line of unlined ditches.
 - 24 inches horizontally from the side of the planned excavation.
 - 36 inches below concrete sidewalks, where future widening of the street in the sidewalk area is not anticipated within streets or frontage roads that will be turned over to a local agency, new installations may be installed at lesser depths if allowed by the California Public Utilities Commission General Orders or other regulatory sources (PDPM Ch. 17, Sec. 3, Article 4).

- A-4
- New or relocated underground utility crossings must be encased so that future repair or replacement does not require trench excavation in the roadway and to protect the roadway and structures from damage caused by leaked fluids or gases (PDPM Ch. 17, Sec. 3, Article 5).

- A-5
- Any deviation from above requirements may require a policy exception.

Hydrology and Drainage Studies

- 6
- Provide preliminary plans showing locations of the proposed sewer replacement along SR-76.
- 7
- Show and label Caltrans R/W, and Route centerline alignment on all plans containing SR-76.
- 8
- Provide Hydrology and Hydraulics Study for the proposed and existing condition along SR-76 from Camino Del Rey to the west limit of the project.
- 9
- Please provide hydraulics studies, drainage and grading plans to Caltrans for review.
- 10
- Provide drainage plans and details. Include detention basin details of inlets/outlet.
- 11
- Provide a contour grading plan with legible callouts and minimal building data. Show drainage patterns on plans.
- 12
- Early coordination with Caltrans is recommended.

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A-4 The proposed underground utility crossings within Caltrans' R/W will be encased to meet these requirements.

A-5 The District understands that deviations from the requirements for work within Caltrans' R/W may require a policy exception.

A-6 The District will provide a set of plans for work proposed within the R/W to Caltrans.

A-7 Plans containing SR 76 will show and label Caltrans' R/W and route centerline alignment.

A-8 The portion of the project along SR 76 from Camino Del Rey to the north limit of the project within Caltrans' R/W consists of buried linear infrastructure (sewer gravity mains and force mains) that will not alter the existing surface conditions along those alignments and will be restored to preconstruction condition. Therefore, a Hydrology and Hydraulics Study will not be required.

COMMENTS

RESPONSES

	<p>A-9 As noted in response to comment A-8, the project would restore disturbed areas to preconstruction condition upon completion. Therefore, hydraulic studies, drainage and grading plans will not be required. Plan and profile plans of the proposed pipelines within Caltrans' R/W will be submitted for review.</p> <p>A-10 As noted in response to comment A-8, the project would restore disturbed areas to preconstruction condition upon completion. Therefore, drainage plans and details, including detention basins, will not be required. Plan and profile plans of the proposed pipelines within Caltrans' R/W will be submitted for review.</p> <p>A-11 As noted in response to comment A-8, the project would restore disturbed areas to preconstruction condition upon completion. Therefore, a contour grading plan showing drainage patterns will not be required. Plan and profile plans of the proposed pipelines within Caltrans' R/W will be submitted for review.</p> <p>A-12 The District will coordinate with Caltrans early in the process as needed.</p>
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Traffic Control Plan/Hauling

A-13

The California Department of Transportation (Caltrans) has discretionary authority with respect to highways under its jurisdiction and may, upon application and if good cause appears, issue a special permit to operate or move a vehicle or combination of vehicles or special mobile equipment of a size or weight of vehicle or load exceeding the maximum limitations specified in the California Vehicle Code. The Caltrans Transportation Permits Issuance Branch is responsible for the issuance of these special transportation permits for oversize/overweight vehicles on the State Highway System. Additional information is provided online at: <http://www.dot.ca.gov/trafficops/permits/index.html>

A-13 It is unlikely that the project would require a permit for vehicles that exceed a weight permit, the District will coordinate with Caltrans as appropriate.

A-14

A Traffic Control Plan may need to be submitted to Caltrans District 11, including the interchanges at SR-76/Olive Hill Rd/Camino Del Rey, at least 30 days prior to the start of any construction. Traffic shall not be unreasonably delayed. The plan shall also outline suggested detours to use during closures, including routes and signage.

A-14 As stated in Section 2.7 of the IS/MND, Project Design Features, the District would prepare a construction traffic control plan that would as a matter of project design to avoid construction-related impacts to nearby streets and intersections. The traffic control plan would include ingress and egress to and from the project site, as well as designated haul routes and the use of flag persons. The traffic control plan would be submitted to Caltrans for approval prior to construction.

A-15

Potential impacts to the highway facilities (SR-76) and traveling public from the detour, demolition and other construction activities should be discussed and addressed before work begins.

A-15 The District will coordinate with Caltrans to discuss any potential temporary impacts to SR 76 prior to project construction.

Environmental

A-16

Caltrans welcomes the opportunity to be a Responsible Agency under the California Environmental Quality Act (CEQA), as we have some discretionary authority of a portion of the project that is in Caltrans' R/W through the form of an encroachment permit process. We look forward to the coordination of our efforts to ensure that Caltrans can adopt the alternative and/or mitigation measure for our R/W. We would appreciate meeting with you to discuss the elements of the EIR that Caltrans will use for our subsequent environmental compliance.

A-16 The District will be available to meet with Caltrans as requested as part of Caltrans' role as a CEQA responsible agency to discuss information that they may use for the environmental compliance part of the encroachment permit approval process.

A-17

An encroachment permit will be required for any work within the Caltrans' R/W prior to construction. As part of the encroachment permit process, the applicant must provide approved final environmental documents for this project, corresponding technical studies, and necessary regulatory and resource

A-17 The District will provide Caltrans with all final environmental documents and technical studies pertaining to the project. The project would need to obtain an Encroachment Permit (California Streets and Highways Code Sections 660 et seq.) from Caltrans, as described in Section 2.9 of the Draft IS/MND.

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A-17 cont. agency permits. Specifically, CEQA determination or exemption. The supporting documents must address all environmental impacts within the Caltrans' R/W and address any impacts from avoidance and/or mitigation measures.

A-18 We recommend that this project specifically identifies and assesses potential impacts caused by the project or impacts from mitigation efforts that occur within Caltrans R/W that includes impacts to the natural environment, infrastructure (highways/roadways/on- and off-ramps) and appurtenant features (lighting/signs/guardrail/slopes). Caltrans is interested in any additional mitigation measures identified for the MND.

Right-of-Way

- A-19 • Per Business and Profession Code 8771, perpetuation of survey monuments by a licensed land surveyor is required, if they are being destroyed by any construction.
- Any work performed within Caltrans R/W will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans R/W prior to construction.

A-20 Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158 or by visiting the website at <http://www.dot.ca.gov/trafficops/ep/index.html>. Early coordination with Caltrans is strongly advised for all encroachment permits.

If you have any questions, please contact Kimberly Dodson, of the Caltrans Development Review Branch, at (619) 985-1587 or by e-mail sent to Kimberly.Dodson@dot.ca.gov.

Sincerely,

electronically signed by

MAURICE EATON, Branch Chief
Local Development and Intergovernmental Review

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A-18 Caltrans recommends that the project specifically identifies impacts caused by the project within the R/W that includes impacts to the natural environment, infrastructure and appurtenant features. The IS/MND identifies several construction best management practices and mitigation measures that would reduce potential impacts within the roadway R/W to a less than significant level. As stated in Section 2.7 of the IS/MND, the District would prepare a construction traffic control plan. This plan would be developed with both the Caltrans Manual of Traffic Control Devices for Construction and Maintenance Work Zones and the Standard Specifications for Public Works Construction. The construction traffic control plan would describe work hours, haul routes, work area delineation, traffic control and flagging. The plan would aim to limit lane closures during peak traffic hours to the extent possible. All roads would remain passable to emergency service vehicles at all times. Road work construction notification would be provided with "Road Work Ahead" warning signs and speed control to achieve required speed reductions for safe traffic flow through the work zone. The construction traffic control plan would be submitted to Caltrans for approval prior to construction.

Further, the IS/MND includes mitigation measure BIO-1 for the avoidance of nesting birds and raptors, BIO-2 that requires pre-construction sensitive bird surveys and noise attenuation, measures CUL-1 and CUL-2 to avoid and/or minimize impacts to cultural resources; measure HAZ-1 to incorporate sewage lift station safety features, measure GEO-1 to avoid impacts to

COMMENTS

RESPONSES

	<p>A-18 (cont.) paleontological impacts; measure NOI-1 to minimize construction noise to noise-sensitive land uses, and measure NOI-2 to minimize operational noise from the lift stations.</p> <p>A-19 The District will abide by this code (Business and Profession Code 8771) in that perpetuation of survey monuments by a licensed land surveyor is required if they are being destroyed by any construction.</p> <p>A-20 The project plans will show the R/W and centerlines of SR 78 and intersecting streets. They will also show dimensions from the water line to the centerline and R/W. The comment reiterates that an encroachment permit will be required for work within a Caltrans R/W and provides additional information for the District's reference. As noted in responses A-16 through A-18, the District will coordinate with Caltrans to provide the information they need for processing the encroachment permit.</p>
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COMMENTS

RESPONSES

From: Dave Faldas <dfaldas@yahoo.com>
Sent: Monday, November 30, 2020 8:17 AM
To: Malik Tamimi <mtamimi@rainbowmwd.com>
Subject: questions: LS1 replacement project

EXTERNAL EMAIL – USE CAUTION WHEN OPENING ATTACHMENTS OR HYPERLINKS.

Hi Chad/Malik!
 Thank you so much for the LS1 project heads up. Wow! As an Old River Road homeowner, I am excited about this timely improvement.

Questions:

B-1 Sequence of work:
 1. Which direction will work progress, on Old River Road? Will work start from the Lift Station 2 end of Old River Road, or from LS1 end?

B-2 Roadside condition:
 2. Will you be clearing the roadside for better horse and pedestrian/bicycle traffic, or will the work only be on the paved portion of the street?

B-3 Traffic Interruption:
 3. Will the proposed Schoolhouse LS work require shutting down that stretch of Old River Road by the old fire station for days, weeks, or months?

B-4 Service Interruption:
 4. Will residential water service be interrupted for hours or for days, to complete the LS1 improvements on Old River Road?

Thanks so much for the work you are doing to improve our neighborhood.

dave faldas
 31147 old river road
 Bonsall ca. 92003
 (760) 845-9077 txt/cell

"... Inspire and Equip"
 Dave Faldas
 (760) 845-9077 txt

CONFIDENTIALITY NOTICE - This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited, and we request that you destroy or permanently delete this message, and notify the sender.

B-1 The project the District is considering in Phase 1 at this time in the vicinity of Old River Road is the force main that runs from the future Thoroughbred Lift Station to a manhole just past Lift Station 1 (where the Lift Station 1 force main currently discharges into). The timing and sequencing of work for Phases 2 and 3 of the project, which would include the gravity main work in Old River Road, have not been determined at this time.

B-2 Clearing the roadside for better horse and pedestrian/bicycle traffic is not in the scope of this project. Work is anticipated to be in the paved portion of the street; however, this is part of Phase 2 and 3, which the timing of has not yet been determined.

B-3 As discussed in Section 3.17, Transportation, of the IS/MND, during peak hauling periods associated with transporting waste material off site and bringing building materials to the site, there is the potential for impacts to roadway segments and intersections along Old River Road and Camino Del Rey. The project contractor would be required to prepare and implement a construction traffic control plan. Most closures would maintain one lane of travel at all times, with a flag person(s) ensuring safe passage of vehicles approaching and passing through such areas.

COMMENTS

RESPONSES

- B-3 (cont.) If road closures would be necessary, they would last for no more than a few days on the affected road segment, and alternate routes/detours would be established to accommodate diverted traffic. Driveway closures would be kept to a minimum, with blockages likely occurring for no more than a few hours at a time. Residents would be notified well in advance of impending closures or blockages related to project construction.
- B-4 The proposed project involves improvements to sewer mains and lift stations and is not anticipated to result in interruptions in potable water service. However, should this occur, the District would notify residents in advance of any anticipated service interruptions.

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Appendix G

Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program for the Rainbow Municipal Water District Lift Station No. 1 Replacement Project

Mitigated Negative Declaration/Initial Study Environmental Checklist

The California Environmental Quality Act (CEQA) requires the adoption of feasible mitigation measures to reduce the severity and magnitude of potentially significant environmental impacts associated with project development. To ensure that the mitigation measures identified in a Mitigated Negative Declaration (MND) are implemented, the public agency adopts a program for monitoring and reporting the measures it has imposed to mitigate or avoid significant effects [Section 15097 (a)]. The State CEQA Guidelines require that a mitigation monitoring and reporting program (MMRP) be adopted at the same time that the MND is adopted.

According to Section 15097(c) of the State CEQA Guidelines, reporting generally consists of a written compliance review that is presented to the decision-making body or authorized staff person. A report may be required at various stages during project implementation or upon completion of the mitigation measure. Monitoring is generally an ongoing or periodic process of project oversight. This program identifies the party responsible for implementing the action, the timing for the implementation of each measure, and the procedure for documenting the mitigation efforts.

The Rainbow Municipal Water District (District) is responsible for the implementation and monitoring of the measures during design and construction of the Rainbow Municipal Water District Lift Station No. 1 Replacement Project components unless otherwise stated herein. The organization of the MMRP follows the subsection formatting style presented within the MND and Initial Study Environmental Checklist. Only those subsections of the environmental issues presented in the Initial Study Environmental Checklist that have mitigation measures are provided below in the MMRP table. All other subsections do not contain mitigation measures. For each mitigation measure, the MMRP table identifies the following: (1) mitigation measure; (2) implementation action; (3) responsible agency/party; (4) monitoring schedule; and (5) verification date. The District may impose requirements for implementation of the measures on other parties responsible for constructing project components that would require approval from the District.

The District may modify how it will implement a mitigation measure, as long as the alternative means of implementing the mitigation still achieves the same or greater attenuation of the impact.

MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Biological Resources						
<p>BIO-1: Pre-Construction Nesting Bird Survey and Avoidance. Project activities requiring the removal and/or trimming of vegetation suitable for nesting birds shall occur outside of the general bird breeding season (February 15 through August 31). If the activities cannot avoid the general bird breeding season, a qualified biologist shall be retained to conduct a pre-activity nesting bird survey within 7 days prior to the activities to confirm the presence or absence of active bird nests. If no active bird nests are found by the qualified biologist, then the activities shall proceed with the reassurance that no violation to the MBTA and CFG Code would occur. If an active bird nest is found by the qualified biologist, then vegetation removal and/or trimming activities at the nest location shall not be allowed to occur until the qualified biologist has determined that the nest is no longer active.</p>	<ul style="list-style-type: none"> Require project activities requiring vegetation removal to occur outside of general bird breeding season and/or require a qualified biologist to perform a pre-construction survey of active nests belonging to nesting birds. 	Applicant; Qualified Biologist	X			
<p>BIO-2: Pre-Construction Sensitive Bird Surveys and Noise Attenuation. No construction activities shall occur between January 15 and September 15 in areas adjacent to southern willow scrub, southern cottonwood-willow riparian forest or Diegan coastal sage scrub until the following conditions have been met:</p> <p>A. A qualified biologist shall survey areas that would be subject to construction noise levels exceeding 60 dBA L_{EQ} for the presence of the coastal California gnatcatcher, least Bell's vireo, yellow-breasted chat and Cooper's hawk. Surveys for the species shall be conducted pursuant to the protocol survey guidelines established by the U.S. Fish and Wildlife Service within the breeding season</p>	<ul style="list-style-type: none"> Require the project to meet construction conditions prior to construction occurring between January 15 and September 15, including vegetation avoidance under guidance of a qualified biologist's pre-construction surveys, or noise attenuation under guidance of a qualified acoustician. 	Applicant; Qualified Biologist; Qualified Acoustician	X	X		

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Biological Resources (cont.)						
<p>prior to the commencement of construction. If any of these species are present, then the following conditions must be met:</p> <p>If operation of construction equipment occurs during the breeding seasons for the coastal California gnatcatcher (February 15 through August 31), nesting raptors (January 15 through July 15), or least Bell's vireo (March 15 through September 15), pre-construction survey(s) shall be conducted by a qualified biologist as appropriate to determine whether these species occur within the areas potentially impacted by noise. An analysis showing that either: (1) noise generated by construction activities would not exceed 60 dBA L_{EQ} at the edge of occupied habitat, or (2) existing ambient noise levels already exceed 60 dBA L_{EQ} must be completed by a qualified acoustician (possessing current noise engineer license or registration with monitoring noise level experience with listed animal species) at least two weeks prior to the commencement of construction activities. Prior to the commencement of any construction activities, areas restricted from such activities shall be staked or fenced under the supervision of a qualified biologist; <u>or</u></p> <p>At least two weeks prior to the commencement of construction activities, under the direction of a qualified acoustician, noise attenuation measures (e.g., berms, walls) shall be implemented to ensure that noise levels resulting from construction activities will not exceed 60 dBA L_{EQ} at the edge of habitat occupied by the listed species. Concurrent with</p>						

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Biological Resources (cont.)						
<p>the commencement of construction activities and the construction of necessary noise attenuation facilities, noise monitoring* shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dBA L_{EQ}. If the noise attenuation techniques implemented are determined to be inadequate by the qualified acoustician or biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved or until the end of the breeding season (September 16).</p> <p>*Construction noise monitoring shall continue at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dBA L_{EQ} or to the ambient noise level if it already exceeds 60 dBA L_{EQ}. If not, other measures shall be implemented in consultation with the biologist and the USFWS and CDFW, as necessary, to reduce noise levels to below 60 dBA L_{EQ} or to the ambient noise level if it already exceeds 60 dBA L_{EQ}. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.</p> <p>B. If the listed species are not detected during the survey, no noise mitigation measures would be necessary.</p>						

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Cultural Resources						
CUL-1: Construction Monitoring for Cultural Resources. A qualified Archaeologist and Native American monitor shall be present during grading, trenching, and subsurface disturbance and shall document such activity on a standardized form. Daily logs shall be kept by all monitors, and a monitoring report be prepared at the conclusion of each phase of monitoring. A record of activity shall be sent to the District.	<ul style="list-style-type: none"> Require on-site qualified Archaeologist and Native American monitor(s). 	Applicant; Qualified Archaeologist and Native American Monitor		X		
CUL-2: Unanticipated Discovery of Cultural Materials. In the event that cultural resource(s) are unearthed during ground disturbing activities, the archeological monitor and tribal monitor shall have the authority to temporarily halt or redirect ground disturbing activities away from the vicinity of these unanticipated discoveries so that they may be evaluated. The District, the project archaeologist, and a tribal representative shall assess the significance of such cultural resource(s) and, if the cultural resource(s) is determined to be culturally significant, they shall meet to confer regarding the appropriate treatment for the cultural resource(s). Pursuant to Calif. Pub. Res. Code § 21083.2(b) avoidance is the preferred method of preservation. The archaeologist and the tribal representative shall make recommendations to the District on the measures that will be implemented to protect the newly discovered cultural resource(s), including but not limited to, avoidance in place, excavation, relocation, and further evaluation of the discoveries in accordance with CEQA. No further ground disturbance shall occur in the area of the discovery until the District approves the measures to protect the significant cultural resource(s).	<ul style="list-style-type: none"> Require identification and preservation of any unidentified cultural resources. 	Applicant; Project Archaeologist; Native American Monitor		X		

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Geology and Soils						
<p>GEO-1: Unanticipated Discovery of Paleontological Materials. In the unlikely event that potentially significant paleontological materials (e.g., fossils) are encountered during construction of the project, all work shall be halted in the vicinity of the paleontological discovery until a qualified paleontologist can visit the site of discovery, assess the significance of the paleontological resource, and provide proper management recommendations. If the discovery proves to be significant, additional work, such as data recovery excavation, may be warranted. The treatment and disposition of paleontological materials that might be discovered during excavation shall be in accordance with applicable laws and regulations.</p>	<ul style="list-style-type: none"> Discovery of paleontological resources requires assessment by qualified paleontologist and preservation of paleontological resources as necessary. 	Applicant; Qualified Paleontologist		X		
Hazards and Hazardous Materials						
<p>HAZ-1: Sewage Lift Station Safety Features. The proposed Schoolhouse LS and Thoroughbred LS shall incorporate standard safety features, including an emergency generator on site in case of electrical failure, and sufficient sewage detainment capacity in the event of generator and/or pump mechanism failure to allow time for repair and/or emergency conveyance of the sewage. Additionally, a Sewer System Management Plan shall be implemented that includes monitoring protocol and contingency measures in the event of emergency leaks or spills.</p>	<ul style="list-style-type: none"> Require implementation of standard safety features and a Sewer System Management Plan. 	Applicant; Construction Contractor	X	X		

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Noise						
<p>NOI-1: General Construction Noise Reduction Limits. Noise levels from project-related demolition, grading, and construction activities shall be reduced to 75 dBA (8-hour average).</p> <p>If work is to occur at night between 7:00 p.m. and 7:00 a.m. within 300 feet of occupied residences, noise from construction activities shall be reduced to 75 dBA (1-hour average).</p> <p>The District shall employ measures to reduce construction/demolition noise including, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Construction equipment shall be properly outfitted and maintained with manufacturer-recommended noise-reduction devices. • Diesel equipment shall be operated with closed engine doors and equipped with factory-recommended mufflers. • Mobile or fixed "package" equipment (e.g., arc-welders and air compressors) shall be equipped with shrouds and noise control features that are readily available for that type of equipment. • Electrically powered equipment shall be used instead of pneumatic or internal-combustion powered equipment, where feasible. • Unnecessary idling of internal combustion engines (e.g., in excess of 5 minutes) shall be prohibited. • Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise sensitive receptors. 	<ul style="list-style-type: none"> • Require construction activities to occur in a manner that does not exceed applicable noise limits. • Require nearby residences to be notified of construction activity. • Require the on-site construction supervisor to receive and resolve noise complaints. 	<p>Applicant; Construction Contractor; Construction Supervisor</p>	X	X		

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Noise (cont.)						
<ul style="list-style-type: none"> The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. No project-related public address or music system shall be audible at any adjacent sensitive receptor. Any truck or equipment equipped with back-up alarm moving within 300 feet of a noise-sensitive land use (residence, school, or church) should have the normal back-up alarm disengaged and safety provided by lights and flagman or broad-spectrum noise backup alarm (as appropriate for conditions) used in compliance with the Occupational Safety and Health Administration safety guidelines. Temporary sound barriers or sound blankets shall be installed between construction operations and adjacent noise-sensitive receptors. The project Contractor shall construct a 12-foot high temporary noise barrier meeting the specifications listed below (or of a Sound Transmission Class [STC] 19 rating or better) to attenuate noise. The District shall notify residences within 300 feet of the project’s disturbance area in writing within one week of any construction activity. The notification shall describe the activities anticipated, provide dates and hours, and provide contact information with a description of a complaint and response procedure. 						

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Noise (cont.)						
<ul style="list-style-type: none"> The on-site construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process for the affected resident shall be established prior to construction commencement to allow for resolution of noise problems that cannot be immediately solved by the site supervisor. 						
<p>NOI-2: Lift Station Operational Noise Limit. Ultimate design of the lift stations shall strive to reduce noise levels from operation of two 10-HP submersible wastewater pumps and one 50-kW standby generator at the Schoolhouse LS site and four 50-HP submersible wastewater pumps and one 175-kW standby generator at the Thoroughbred LS site. Noise generated by operation of the lift stations shall strive to not exceed a daytime exterior one-hour noise level limit of 50 dBA L_{EQ} or the nighttime exterior one-hour noise level limit of 45 dBA L_{EQ} at the nearest property line.</p> <p>Measures to ensure this noise limit may include installing equipment below ground, surrounding any above-ground equipment in a noise-attenuating enclosure, and/or purchasing a generator with sound attenuation features. If an enclosure is used, the plot plans shall show its location and specify its material as 8-foot masonry or 8-inch concrete masonry unit block walls. Any access door (metal or wood) shall face the interior of the permit site and away from the nearest property line. Any cracks or openings in the enclosure walls shall be caulked or filled on the interior façade or side facing the equipment. The</p>	<ul style="list-style-type: none"> Require project to be designed and constructed to meet operational noise limits. 	Applicant; Construction Contractor	X	X	X	

MITIGATION MONITORING AND REPORTING PROGRAM (cont.)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
Noise (cont.)						
center of the generator set shall be located no farther than 5 feet from the enclosure wall nearest to the affected property line. Any wood doors shall be solid core, at least 1¼ inches thick, and equipped with seals and a threshold sweep.						
Tribal Cultural Resources						
See mitigation measures CUL-1 and CUL-2 under Cultural Resources.						
Wildfire						
<p>FIRE-1: Fire Safety Plan. The following fire prevention strategies would be implemented during project construction:</p> <ul style="list-style-type: none"> • Construction within areas of dense foliage during dry conditions will be avoided, when feasible. • In cases where avoidance is not feasible, brush fire prevention and management practices will be incorporated. Specifics of the brush management program will be incorporated into project construction documents. 	<ul style="list-style-type: none"> • Require implementation of fire prevention strategies. 	Applicant; Construction Contractor		X		

BOARD OF DIRECTORS

January 26, 2020

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO AWARD A PROFESSIONAL SERVICES AGREEMENT TO HOCH CONSULTING TO PROVIDE DESIGN SERVICES FOR THE HUTTON AND TURNER PUMP STATIONS

BACKGROUND

The Hutton, Turner, and Gopher Canyon Tanks and the pressure zones they supply regularly receive water from San Diego County Water Authority (SDCWA) connections. However, the SDCWA aqueduct is shutdown at least once per year for inspection and maintenance. During these shutdowns, the District rents, installs and operates temporary pump stations in up to four strategic locations to pump water to the tanks. The Board has already approved a design contract for the replacement of temporary pumps and connection piping at the Weese Water Filtration Plant to pump water to the Gopher Tank. In addition, the Board approved a design contract for the replacement of the temporary pumps which supply Hutton and Turner Tanks based on the return on investment from savings on rental costs.

While the initial design of these pump stations was underway, it became apparent that the regular use of these pumps for moving water from the Morro Zone to the South Zones would allow the District to realize savings of \$132 per Acre Foot of water by importing water from the Metropolitan Water District connections in the North instead of the SDCWA connections, even when the SDCWA aqueduct is operational. In addition, the proposed locations of the pump stations has changed since the initial design began. These changes to the proposed location and operation of the pump stations were recognized by District Staff as being substantial enough to warrant a cancelation of the initial design agreement and issuance of a new request for proposals.

The District has worked with EFI solutions to design packaged pump stations to meet the future demands. The packaged pump stations require design of the general site layout, structural foundation, connection details, SCADA integration and site valving in order to bring the stations online in the District's system.

DESCRIPTION

The District issued an RFP to provide design services for the Hutton and Turner Pump Stations Project on September 25, 2020. Six (6) firms responded by submitting a proposal on October 29, 2020. Staff and a member of the Engineering and Operations Committee reviewed the proposals and evaluated them based on the executive summary, project description, ability to meet District schedule, identification of consultant, project organization and experience, past performance and cost/schedule control, firm's local experience, and creative alternatives. The evaluation determined that Hoch Consulting ranked the highest and was deemed most qualified to perform design services for the District. The Engineering and Operations Committee discussed the ranking of the proposals at the meeting on January 6, 2021 and made a recommendation to the Board to award the Professional Services Agreement to Hoch Consulting.

Hoch Consulting proposed to complete the Design for a project design cost not to exceed \$146,018 with optional services available for an additional \$20,131. The optional services include Generator Sizing and Design, Structural Wall Design, and Landscaping.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area One: Water Resources. Designing the Hutton and Turner Pump Stations for regular use in transporting water from the Morro Zone to the Hutton and Turner Tanks will allow the District to use a larger ratio of water from a less expensive source and will ensure the availability of water during SDCWA Aqueduct shutdowns.

Strategic Focus Area Four: Fiscal Responsibility. Installation of permanent pump stations for use in lieu of rented pump stations will save the District money each time the SDCWA Aqueduct is shut down.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA. Further environmental review will be completed in the process of design.

BOARD OPTIONS/FISCAL IMPACTS

The District’s approved CIP Budget includes \$696,000 in Fiscal Year 20/21 for the Hutton and Turner Pump Station Projects under project number 600013. The proposed fee of \$166,149, including optional services is within the approved budget.

Option 1:

- Award a Professional Services Agreement to Hoch Consulting to provide design services for the Hutton and Turner Pump Station Project not to exceed \$166,149.
- Make a finding that this action does not constitute a “project” as defined by CEQA.
- Authorize the General Manager to execute a contract for the design of the Hutton and Turner Pump Stations with Hoch Consulting.

Option 2:

- Provide other direction to staff.

STAFF RECOMMENDATION

Staff Recommends Option 1.



Chad Williams
Acting District Engineer

01/26/2021



**RAINBOW MUNICIPAL WATER DISTRICT
3707 HIGHWAY 395
FALLBROOK CA 92028
(760) 728-1178**

PROFESSIONAL SERVICES AGREEMENT

**PROJECT: HUTTON AND TURNER PUMP STATIONS
Project No. 600013, Contract No. 21-02**

THIS AGREEMENT ("Agreement") is made and entered into this ___ day of **January 2021** by and between the **RAINBOW MUNICIPAL WATER DISTRICT**, a municipal water district, hereinafter designated as "**DISTRICT**", and **HOCH CONSULTING, APC** a **California corporation**, hereinafter designated as "**CONSULTANT**."

RECITALS

- A.** DISTRICT desires to obtain Professional Consulting Services from an independent contractor for the above-named Project.
- B.** CONSULTANT has submitted a proposal to provide professional services for DISTRICT in accordance with the terms set forth in this Agreement.
- C.** DISTRICT desires to contract with CONSULTANT as an independent contractor and CONSULTANT desires to provide services to DISTRICT as an independent contractor.
- D.** CONSULTANT has demonstrated its competence and professional qualifications necessary for the satisfactory performance of the services designated herein by virtue of its experience, training, education, and expertise.

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. PROFESSIONAL SERVICES PROVIDED BY CONSULTANT.

1.1 The professional services to be performed by CONSULTANT shall consist of the following: **Engineering design services for the Hutton and Turner package pump stations. Requiring design of the general site layout, structural foundation, connection details, SCADA integration and site valving in order to bring the stations online in the District's system. These packaged pump stations include a modular building attached to a structural steel base, two pumps, vertical turbine with 460 volt 3-phase motors, valving (check valves, gate valves, air release valves and pressure release valves), and control appurtenances. Contingent on the results of the geotechnical investigation and recommendations, the site**

will be designed using a 2% slope away drainage approach. The scope of services is more particularly defined in Exhibit "A", attached and made a part hereof. Any additional engineering services will be requested in writing as set forth in Section 19.

1.2 In performing the services set forth in Exhibit "A", CONSULTANT shall work closely with DISTRICT'S General Manager or Authorized Representative and staff in performing services in accordance with this Agreement in order to receive clarification as to the result that DISTRICT expects to be accomplished by CONSULTANT. The General Manager or Authorized Representative, shall be the DISTRICT'S authorized representative in the interpretation and enforcement of all services performed in connection with this Agreement.

1.3 CONSULTANT represents that its employees have the qualifications and skills necessary to perform the services under this Agreement in a competent, professional manner, without the advice or direction of DISTRICT. This means CONSULTANT is able to fulfill the requirements of this Agreement. Failure to perform all services required under this Agreement constitutes a material breach of the Agreement.

2. TERM AND TIMING REQUIREMENTS.

2.1 **This Agreement will become effective on the date stated above, and will continue in effect until June 30, 2022 or until the earlier of the completion of services provided for in this Agreement, or until terminated as provided under Section 14 of this Agreement.**

2.2 CONSULTANT'S performance of services under this Agreement shall be in accordance with the schedule outlined below unless otherwise modified in writing as set forth in Section 19. Failure by CONSULTANT to strictly adhere to these timing requirements may result in termination of this Agreement by DISTRICT.

2.3 CONSULTANT shall submit all requests for extensions of time for performance in writing to the General Manager or Authorized Representative no later than two (2) business days after the commencement of the cause of any unforeseeable delay beyond CONSULTANT'S control and in all cases prior the date on which performance is due if possible. The General Manager or Authorized Representative shall review all such requests and may grant reasonable time extensions for unforeseeable delays which are beyond CONSULTANT'S control.

2.4 For all time periods not specifically set forth herein, CONSULTANT shall respond in the most expedient and appropriate manner under the circumstances, by telephone, fax, hand delivery, e-mail or mail.

3. STUDY CRITERIA AND STANDARDS.

3.1 All services shall be performed in accordance with applicable DISTRICT, county, state and federal Codes and criteria. In the performance of its professional services, CONSULTANT shall use the degree of care and skill ordinarily exercised by consultants performing the same or similar work under similar conditions.

4. INDEPENDENT CONTRACTOR.

- 4.1 CONSULTANT'S relationship to DISTRICT shall be that of an independent contractor in performing all services hereunder. DISTRICT shall not exercise any control or direction over the methods by which CONSULTANT shall perform its services and functions. DISTRICT'S sole interest and responsibility is to ensure that the services covered in this Agreement are performed in a competent, satisfactory and legal manner. The parties agree that no services, act, commission or omission of CONSULTANT or its employee(s) pursuant to this Agreement shall be construed to make CONSULTANT or its employee(s) the agent, employee or servant of DISTRICT. CONSULTANT and its employee(s) are not entitled to receive from DISTRICT vacation pay, sick leave, retirement benefits, Social Security, workers' compensation, disability benefits, unemployment benefits or any other employee benefit of any kind.
- 4.2 CONSULTANT shall be solely responsible for paying all federal and state employment and income taxes, for carrying workers' compensation insurance and for otherwise complying with all other employment requirements with respect to CONSULTANT or its employee(s). CONSULTANT agrees to indemnify, defend and hold DISTRICT harmless from any and all liability, damages or losses (including attorney's fees, costs, penalties and fines) DISTRICT suffers as a result of CONSULTANT'S failure comply with the foregoing.
- 4.3 CONSULTANT shall be solely responsible for the performance of any of its employees, agents, or subcontractors under this Agreement. CONSULTANT represents and warrants that CONSULTANT customarily engages in the independently established trade and business of the same nature as the work to be performed under this Agreement.
- 4.4 CONSULTANT shall have no authority, express or implied, to act on behalf of as an agent, or to bind DISTRICT to any obligation whatsoever, unless specifically authorized in writing by the General Manager or Authorized Representative. If CONSULTANT'S services relate to an existing or future DISTRICT construction contract, CONSULTANT shall not communicate directly with, nor in any way direct the actions of, any bidder for that construction contract without the prior written authorization by the General Manager or Authorized Representative.

5. WORKERS' COMPENSATION INSURANCE.

- 5.1 By CONSULTANT'S signature hereunder, CONSULTANT certifies that CONSULTANT is aware of the provisions of Section 3700 of the California Labor Code that require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and CONSULTANT will comply with such provisions before commencing the performance of the services of this Agreement.

6. INDEMNIFICATION, HOLD HARMLESS AND DEFENSE.

- 6.1 All officers, agents, employees and subcontractors, and their agents, who are employed by CONSULTANT to perform services under this Agreement, shall be deemed officers, agents and employees of CONSULTANT. To the extent and in any manner permitted by law, CONSULTANT shall defend, indemnify, and hold DISTRICT, its directors, officers,

employees, authorized volunteers and agents, and each of them free and harmless from any claims, demands, liability from loss, damage, or injury to property or persons, including wrongful death, that arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of CONSULTANT, including CONSULTANT'S officers, employees and agents, in connection with the services required by this Agreement, including without limitation, the payment of reasonable attorneys' fees and costs. In no event shall the cost to defend charged to the CONSULTANT exceed the CONSULTANT'S proportionate percentage of fault, as determined by a court of law. The foregoing indemnity, hold harmless and defense obligation of CONSULTANT shall apply except to the extent the loss, damage or injury is caused by the sole negligence or willful misconduct of an indemnified party.

- 6.2** To the extent and in any matter permitted by law, CONSULTANT shall defend, indemnify and hold DISTRICT, its directors, officers, employees, authorized volunteers and agents, and each of them free and harmless from and against any and all actions, proceedings, damages, costs, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, related to or incident to a breach of any governmental law or regulations, compliance with which is the responsibility of CONSULTANT, except any violation of law due to the DISTRICT'S negligence or willful misconduct.
- 6.3** CONSULTANT shall defend, at CONSULTANT'S own cost, expense and risk, any and all such aforesaid claims, suits, actions or other legal proceedings of every kind that may be brought or instituted against DISTRICT or DISTRICT'S directors, officers, employees, authorized volunteers and agents, and each of them. DISTRICT shall be consulted regarding and approve of the selection of defense counsel.
- 6.4** CONSULTANT shall pay and satisfy any judgment, award or decree that may be rendered against DISTRICT or its directors, officers, employees, authorized volunteers and agents, and each of them, in any and all such aforesaid claims, suits, action or other legal proceeding. CONSULTANT shall not agree without DISTRICT'S prior written consent, to any settlement which would require DISTRICT to pay any money or perform some affirmative act, including in the case of intellectual property infringement any payment of money or performance of some affirmative act to continue using CONSULTANT Products.
- 6.5** CONSULTANT'S indemnification, hold harmless and defense obligation shall survive the termination or expiration of this Agreement.

7. LAWS, REGULATIONS AND PERMITS.

- 7.1** CONSULTANT shall give all notices required by law and comply with all laws, ordinances, rules and regulations pertaining to the conduct of the services required by this Agreement. CONSULTANT shall be liable for, and bear all costs resulting from, any violations of the law in connection with services furnished by CONSULTANT, except any violation of the law due to the DISTRICT'S negligence or willful misconduct.
- 7.2** CONSULTANT shall comply with all of the following requirements with respect to any services as a Building/Construction Inspector, Field Soils and Material Tester, or Land Surveyor, as those trades are defined by the California Department of Industrial Relations ("DIR").

- a) CONSULTANT agrees to comply with and require its subcontractors to comply with the requirements of California Labor Code sections 1720 *et seq.* and 1770 *et seq.*, and California Code of Regulations, title 8, section 16000 *et seq.* (collectively, "Prevailing Wage Laws") and any additional applicable California Labor Code provisions related to such work including, without limitation, payroll recordkeeping requirements. CONSULTANT and its subcontractors shall pay not less than the prevailing rate of per diem wages as determined by the Director of the DIR for all services described in this Section 7.2 of the Agreement and as required by law. The general prevailing wage determinations can be found on the DIR website at: [www://dir.ca.gov/dslr](http://www.dir.ca.gov/dslr). Copies of the prevailing rate of per diem wages may be accessed at the DISTRICT'S administrative office, and shall be made available upon request. CONSULTANT shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the services described in this Section 7.2 of the Agreement available to interested parties upon request, and shall post and maintain copies at CONSULTANT'S principal place of business and at all site(s) where services are performed. Penalties for violation of Prevailing Wage Laws may be assessed in accordance with such laws. For example, CONSULTANT shall forfeit, as a penalty to the DISTRICT, Two Hundred Dollars (\$200) for each calendar day, or portion thereof, for each workman paid less than stipulated prevailing rates for services performed under this Agreement by CONSULTANT, or any subcontractor under CONSULTANT, in violation of Prevailing Wage Laws.
- b) CONSULTANT and each of its subcontractors shall keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed by CONSULTANT or subcontractor in connection with the services performed pursuant to this Agreement. Each payroll shall be certified, available for inspection, and copies thereof furnished as prescribed in California Labor Code sections 1771.4(a)(3)(A) and 1776, including any required redactions. CONSULTANT shall keep the DISTRICT informed as to the location of the records and shall be responsible for the compliance with these requirements by all subcontractors. CONSULTANT shall inform the DISTRICT of the location of the payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address. Penalties for noncompliance include a forfeiture of One Hundred Dollars (\$100) per calendar day, or portion thereof, for each worker until strict compliance is effectuated, which may be deducted from any moneys due to CONSULTANT.
- c) Eight (8) hours of work shall constitute a legal day's work. CONSULTANT and any subcontractors shall forfeit, as a penalty to the DISTRICT, Twenty-Five Dollars (\$25) for each worker employed in the execution of services pursuant to this Agreement by CONSULTANT or any subcontractor under him for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any calendar week in violation of the provisions of the California Labor Code, in particular, sections 1810 to 1815, thereof, inclusive, except services performed by employees of CONSULTANT and its subcontractors in excess of eight (8)

hours per day at not less than the rates published by the California Department of Industrial Relations.

- d) CONSULTANT'S attention is directed to the provisions of California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning employment of apprentices by CONSULTANT or any of its subcontractors. If applicable to the services performed under the Agreement, CONSULTANT shall comply with such apprenticeship requirements and submit apprentice information to the DISTRICT. Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the DIR or the Division of Apprenticeship Standards. Knowing violations of section 1777.5 will result in forfeiture not to exceed One Hundred Dollars (\$100) or Three Hundred Dollars (\$300), depending on the circumstances, for each calendar day of non-compliance pursuant to section 1777.7.
- e) CONSULTANT shall require any subcontractors performing services described in this Section 7.2 of the Agreement to comply with all the above.
- f) CONSULTANT must be, and must require all subcontractors performing services described in this Section 7.2 to be, registered with and have paid the annual fee to the DIR prior to execution of this Agreement pursuant to Labor Code Section 1725.5. No contractor or subcontractor may be listed on a bid proposal for a public works project, or perform services described in this Section 7.2, unless registered with the DIR pursuant to Labor Code Section 1725.5. No contractor or subcontractor may be awarded a contract for public work on a public works project, or perform services described in this Section 7.2, unless registered with the DIR pursuant to Labor Code Section 1725.5. The performance of services described in this Section 7.2 is subject to compliance monitoring and enforcement by the DIR

8. SAFETY.

In carrying out CONSULTANT'S services, CONSULTANT shall at all times, exercise all necessary precautions for the safety of employees appropriate to the nature of the services and the conditions under which the services are to be performed, and be in compliance with all federal, state and local statutory and regulatory requirements including State of California, Division of Industrial Safety (Cal/OSHA) regulations, and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act (as applicable). Safety precautions as applicable shall include instructions in accident prevention for all employees such as safe walkways, scaffolds, fall protection, ladders, bridges, gang planks, confined space procedures, trenching & shoring, equipment and wearing apparel as are necessary or lawfully required to prevent accidents or injuries.

9. INSURANCE.

9.1 INSURANCE COVERAGE AND LIMITS.

CONSULTANT shall provide and maintain at all times during the performance of this Agreement, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the services hereunder by

CONSULTANT, its agents, representatives, employees or subcontractors. Claims made policies shall not satisfy these insurance requirements unless CONSULTANT notifies DISTRICT and obtains DISTRICT'S prior written consent to the use of such claims made policies.

Coverage – CONSULTANT shall maintain coverage at least as broad as the following:

- a) Coverage for Professional Liability appropriate to CONSULTANT'S profession covering CONSULTANT'S wrongful acts, negligent actions, errors or omissions. The retroactive date (if any) is to be no later than the effective date of this Agreement.
- b) Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001).
- c) Insurance Services Office Automobile Liability Coverage (Form CA 0001), covering Symbol 1 (any auto).
- d) Workers' Compensation insurance as required by the State of California and Employers Liability insurance.

Limits - CONSULTANT shall maintain limits no less than the following:

- a) Professional Liability - One million dollars (\$1,000,000) per claim and two million dollars (\$2,000,000) annual aggregate.
- b) General Liability - One million dollars (\$1,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to DISTRICT) or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.
- c) Automobile Liability - One million dollars (\$1,000,000) for bodily injury and property damage each accident limit.
- d) Workers' Compensation insurance with statutory limits as required by California law and Employer's Liability insurance with a limit of no less than One Million Dollars (\$1,000,000) per accident for bodily injury or disease.

9.2 REQUIRED PROVISIONS. The insurance policies are to contain, or be endorsed to contain the following provisions:

- a) DISTRICT, its directors, officers, or employees are to be covered as insureds on the CGL and auto policies with respect to liability arising out of automobiles owned, leased, hired, or borrowed by on or behalf of CONSULTANT; and with respect to liability arising out of services or operations performed by or on behalf of CONSULTANT including materials, parts, or equipment furnished in connection with such services

or operations. General liability coverage can be provided in the form of an endorsement to CONSULTANT'S insurance (at least as broad as ISO Form CG 20 10, 11 85 or both CG 20 10 and CG 20 37 forms if later revisions used). The coverage shall contain no special limitations on the scope of protection afforded to DISTRICT, its directors, officers, employees, or authorized volunteers. The Project Name shall also be included.

- b) For any claims related to the services provided hereunder, CONSULTANT'S insurance shall be primary insurance as respects DISTRICT, its directors, officers, employees, and authorized volunteers. Any insurance, self-insurance, or other coverage maintained by DISTRICT, its directors, officers, or employees shall not contribute to it.
- c) Each insurance policy specified above are to state or be endorsed to state that coverage shall not be canceled except after thirty (30) days prior written notice (ten (10) days for non-payment of premium) by U.S. mail has been provided to DISTRICT.
- d) In the event any change is made in the insurance carrier, scope of coverage or retroactive date of professional liability coverage required under this Agreement (if applicable), CONSULTANT shall notify DISTRICT prior to any changes.

9.3 WAIVER OF SUBROGATION. CONSULTANT hereby agrees to waive rights of subrogation which any insurer of CONSULTANT may acquire from CONSULTANT by virtue of the payment of any loss. CONSULTANT agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of DISTRICT for all services performed by CONSULTANT, its employees, agents and subcontractors.

9.4 DEDUCTIBLES AND SELF-INSURED RETENTIONS. Any deductible or self-insured retention must be declared to and approved by DISTRICT. At the option of DISTRICT, the insurer shall either reduce or eliminate such deductibles or self-insured retention.

9.5 ACCEPTABILITY OF INSURERS. Insurance is to be placed with insurers having a current A.M. Best rating of no less than A:VII or equivalent or as otherwise acceptable to DISTRICT.

9.6 EVIDENCES OF INSURANCE. Prior to execution of this Agreement, CONSULTANT shall furnish DISTRICT with original certificates and amendatory endorsements, or copies of the applicable insurance language, effecting coverage required by this Agreement. All certificates and endorsements are to be received and approved by DISTRICT before services commence. However, failure to obtain the required documents prior the services beginning shall not waive CONSULTANT'S obligation to provide them.

CONSULTANT shall, upon demand of DISTRICT at any time, deliver to DISTRICT complete, certified copies or all required insurance policies, including endorsements, required by this Agreement.

9.7 SUBCONTRACTORS. In the event that CONSULTANT employs subcontractors as part of the services covered by this Agreement, it shall be the CONSULTANT'S responsibility to require and verify that each subcontractor meets the minimum insurance requirements specified in this Agreement.

10. NO CONFLICT OF INTEREST.

If CONSULTANT is providing services related to a DISTRICT project, CONSULTANT shall not be financially interested in any other contract necessary for the undertaking of the project. For the limited purposes of interpreting this section, CONSULTANT shall be deemed a "district officer or employee", and this section shall be interpreted in accordance with California Government Code Section 1090. In the event that CONSULTANT becomes financially interested in any other contract necessary for the undertaking of the project, this Agreement shall be null and void and DISTRICT shall be relieved of any responsibility whatsoever to provide compensation under the terms and conditions of any such contract for those services performed by CONSULTANT.

11. OWNERSHIP OF DOCUMENTS.

All documents and specifications, including details, computations, and other documents, prepared or provided by CONSULTANT under this Agreement shall be the property of DISTRICT. DISTRICT agrees to hold CONSULTANT free and harmless from any claim arising from any use, other than the purpose intended, of the documents and all preliminary sketches, schematics, preliminary plans, architectural perspective renderings, working drawings, including details, computations, and other documents, prepared or provided by CONSULTANT. CONSULTANT may retain a copy of all material produced under this Agreement for the purpose of documenting their participation in this Project.

12. CONFIDENTIAL INFORMATION.

Any written, printed, graphic, or electronically or magnetically recorded information furnished by DISTRICT for CONSULTANT'S use are the sole property of DISTRICT. CONSULTANT and its employee(s) shall keep this information in the strictest confidence, and will not disclose it by any means to any person except with DISTRICT'S prior written approval, and only to the extent necessary to perform the services under this Agreement. This prohibition also applies to CONSULTANT'S employees, agents and subcontractors. On termination or expiration of this Agreement, CONSULTANT shall promptly return any such confidential information in its possession to DISTRICT.

13. COMPENSATION.

13.1 For services performed by CONSULTANT in accordance with this Agreement, DISTRICT shall pay CONSULTANT in accordance with the schedule of billing rates set forth in Exhibit "A", attached hereto and incorporated herein by reference. . This is a time and materials contract. Overtime work must be authorized by the DISTRICT. No hourly rate changes shall be made during the term of this Agreement. **CONSULTANT'S compensation for all services performed in accordance with this Agreement shall not exceed the total contract price of \$166,149.00.** No services shall be performed by CONSULTANT in excess of the total contract price without prior written approval of the General Manager or Authorized Representative. CONSULTANT shall obtain

approval from the General Manager or Authorized Representative prior to performing any services that result in incidental expenses to the DISTRICT.

13.2 CONSULTANT shall maintain accounting records including the following information:

- a) Names and titles of employees or agents, types of services performed, and times and dates of all services performed in connection with Agreement that is billed on an hourly basis.
- b) All incidental expenses including reproductions, computer printing, postage, mileage billed at current Internal Revenue Service ("IRS") Rate, and subsistence.

13.3 CONSULTANT'S accounting records shall be made available to DISTRICT Accounting Manager, for verification of billings, within a reasonable time of the Accounting Manager's request for inspection.

13.4 CONSULTANT shall submit monthly invoices to DISTRICT. DISTRICT shall make partial payments to CONSULTANT not to exceed the total contract price within thirty (30) days of receipt of invoice, subject to the approval of the General Manager or Authorized Representative. ***Each application for partial payment shall be accompanied with a Progress Report summarizing the status of the services performed.***

13.5 CONSULTANT shall ensure that any report generated under this Agreement shall comply with Government Code Section 7550.

14. TERMINATION OF AGREEMENT.

14.1 If DISTRICT ("demanding party") has a good faith belief that CONSULTANT is not complying with the terms of this Agreement, DISTRICT shall give written notice of the default (with reasonable specificity) to CONSULTANT and demand the default to be cured within ten (10) calendar days of the notice.

14.2 If CONSULTANT fails to cure the default within ten (10) calendar days of the notice, or if more than ten (10) calendar days are reasonably required to cure the default, and CONSULTANT fails to give adequate assurance and due performance within ten (10) calendar days of the notice, DISTRICT may terminate this Agreement upon written notice to CONSULTANT.

14.3 In the event of a material breach of any representation or term of this Agreement by CONSULTANT that is not curable or results in a threat to health or safety, DISTRICT may immediately terminate this Agreement by providing written notice and without a cure period.

14.4 Upon termination, DISTRICT shall pay CONSULTANT for any services completed up to and including the date of termination of this Agreement, in accordance with the compensation Section 13. DISTRICT shall be required to compensate CONSULTANT only for services performed in accordance with the Agreement up to and including the date of termination.

15. ASSIGNMENT AND DELEGATION.

- 15.1** This Agreement and any portion thereof shall not be assigned or transferred, nor shall any of CONSULTANT'S duties be delegated or subcontracted, without the express written consent of DISTRICT. Any attempt to assign or delegate this Agreement without the express written consent of DISTRICT shall be void and of no force or effect. Consent by DISTRICT to one assignment shall not be deemed to be consent to any subsequent assignment.
- 15.2** This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

16. AUDIT DISCLOSURE.

Pursuant to Government Code section 8546.7, if the Agreement is over ten thousand dollars (\$10,000), it is subject to examination and audit of the State Auditor, at the request of DISTRICT or as part of any audit of DISTRICT, for a period of three (3) years after final payment under the Agreement. CONSULTANT shall cooperate with any such examination or audit at no cost to DISTRICT.

17. ENTIRE AGREEMENT.

This Agreement, and the attached Exhibit "A", comprise the entire integrated understanding between DISTRICT and CONSULTANT concerning the services to be performed pursuant to this Agreement and supersedes all prior negotiations, representations, or agreements whether express or implied, oral or written. The express terms hereof control and supersede any course of performance and/or usage of the trade inconsistent with any of the terms herein. In the event of any conflict between the provisions of the Agreement and the Exhibit(s), the terms of the Agreement shall prevail.

18. INTERPRETATION OF THE AGREEMENT.

- 18.1** The interpretation, validity, and enforcement (including, without limitation, provisions concerning limitations of actions) of the Agreement shall be governed by and construed under the laws of the State of California, notwithstanding any conflict-of-laws doctrines of such state or other jurisdiction to the contrary and without the aid of any canon, custom or rule requiring construction against the draftsman. The Agreement does not limit any other rights or remedies available to DISTRICT.
- 18.2** CONSULTANT shall be responsible for complying with all applicable local, state, and federal laws whether or not said laws are expressly stated or referred to herein.
- 18.3** Should any provision herein be found or deemed to be invalid, the Agreement shall be construed as not containing such provision, and all other provisions which are otherwise lawful shall remain in full force and effect, and to this end the provisions of this Agreement are severable.
- 18.4** Each and every provision of law and clause required by law to be inserted in this Agreement shall be deemed to be inserted herein, and the Agreement shall be read and enforced as though they were included herein. If through mistake of otherwise any such

provision is not inserted, or is not correctly inserted, then upon application of either party, the Agreement shall forthwith be physically amended to make such insertion.

19. AGREEMENT MODIFICATION.

This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by the parties hereto.

20. DISPUTE RESOLUTION.

Upon the written demand of either party, any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, shall be first submitted to mediation the cost of which shall be borne equally by the parties, if not resolved pursuant to the Government Claims Act, Government Code section 900 *et seq.* if applicable, and prior the commencement of any legal action or other proceeding. Any mediation shall take place in the State of California, County of San Diego, and shall be concluded within sixty (60) days of the written demand, unless such time is extended by mutual written consent of the parties. Nothing herein waives or excuses compliance with the California Government Claims Act.

In the event that mediation has not been successfully concluded within the time allowed, any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this agreement to arbitrate, shall be determined by arbitration in the State of California, County of San Diego, before one arbitrator. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures if the amount in controversy is equal or greater than Two Hundred Fifty Thousand Dollars (\$250,000), or pursuant to its Streamlined Arbitration Rules and Procedures if the amount in controversy is less than Two Hundred Fifty Thousand Dollars (\$250,000). The use of arbitration shall allow full discovery by all parties associated with the dispute or claim. Judgment on the award may be entered in any court having jurisdiction. This clause shall not preclude the parties from seeking provisional remedies in aid of arbitration from a court of competent jurisdiction. The arbitrator may, in the award, allocate all or a part of the costs of the arbitration, including the fees of the arbitrator and the reasonable attorneys' fees of the prevailing party. If either party petitions to confirm, correct or vacate the award as provided by Chapter 4, of Title 9 of the California Code of Civil Procedure (commencing with Section 1285), the prevailing party shall be entitled as part of his or its costs to reasonable attorneys' fees to be fixed by the Court.

21. JURISDICTION, FORUM AND VENUE.

Except as otherwise required by Section 20 of this Agreement concerning dispute resolution, the proper jurisdiction, forum and venue for any claims, causes of action or other proceedings concerning this Agreement shall be in the state and federal courts located in the State of California, northern district of the County of San Diego. DISTRICT and CONSULTANT agree not to bring any action or proceeding arising out of or relating to this Agreement in any other jurisdiction, forum or venue. DISTRICT and CONSULTANT hereby submit to personal jurisdiction in the State of California for the enforcement of this Agreement and hereby waive any and all personal rights under the law of any state to object to jurisdiction within the State of California for the purposes of any legal action or

proceeding to enforce this Agreement whether on grounds of inconvenient forum or otherwise.

22. MAILING ADDRESSES.

Notices given pursuant to this Agreement shall be deemed communicated as of the earlier of the day of receipt or the fifth (5th) calendar day after deposit in the United States mail, postage prepaid, and addressed to the following:

**DISTRICT: Rainbow Municipal Water District
3707 Old Hwy 395
Fallbrook, CA 92028
Phone: (760) 728-1178**

**CONSULTANT: Hoch Consulting, APC
5675 Ruffin Road, Suite 305
San Diego, CA 92123
Phone: (858) 431-9767**

Notices delivered personally will be deemed communicated as of actual receipt.

23. SIGNATURES.

Each party represents that the individual executing this Agreement on its behalf has the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of such party.

24. COUNTERPARTS.

This Agreement may be executed in counterparts, each of which shall constitute an original, but all of which together shall constitute one and the same agreement, and the signature of any party to any counterpart shall be deemed to be a signature to, and may be appended to, any other counterpart.

25. ATTORNEY'S FEES.

In the event of a dispute arising under terms of this Agreement, it is agreed that the prevailing party may be awarded reasonable attorneys' fees and actual costs.

IN WITNESS WHEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Agreement to be executed.

HOCH CONSULTING, APC _____

RAINBOW MUNICIPAL WATER DISTRICT _____

By _____
ADAM HOCH, PRESIDENT

By _____
TOM KENNEDY, GENERAL MANAGER

PRINT NAME

Date: _____

Date: _____

Attest: Executive Secretary

Federal Employer ID #

Approved as to Form:
Alfred Smith, General Counsel

NOTARY ACKNOWLEDGEMENT OF CONSULTANT MUST ACCOMPANY THIS DOCUMENT

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE A VARIANCE FROM MAXIMUM CAPACITY AND 12 MONTH ROLLING AVERAGE REQUIREMENTS IN ORDER TO DOWNSIZE FROM A 1½" TO A ¾" METER

BACKGROUND

The District identifies specific rate classes under District Ordinance No. 19-04 that are assigned to parcels according to meter size. Meter sizes are recommended based on lot size and water usage. The district board has determined criteria that allows customers to apply for variances from the assigned rate class provided that the parcel does not exceed the maximum units for the lower meter size being requested. District staff has determined that a reasonable amount of time to assess usage is 12 months. For a parcel to move to a ¾" rate class they should not exceed 50 units (one unit equals one hundred cubic feet ["CCF"]) of water use per month on average, for any 12- month period, based on the 12-month rolling average (month determined by scheduled meter reading cycle). The property owner of APN 121-130-72-00 has requested a variance from Ordinance 19-04.

The owner has not been at this property for 12 consecutive months to properly evaluate their 12-month rolling average. The owners moved into this property August 10. Usage for September 5, 2020 showed 41 units. The reading from October 5th, 2020 showed usage of 84 units. According to the letter provided with the variance application, the owner states he has found what caused the high usage and is working on their system (See Attachment 1). The subsequent usage for November 5, 2020 showed usage of 20 units. **The rolling 12 - month average for the property is 34 units per month, well below the required 50.**

DESCRIPTION

The capacity charges were developed by Wildan and Raftelis through a comprehensive study and analysis of the value of District assets and the maximum day use patterns of existing customers with particular meter sizes. The reference meter size for capacity class C is 1-inch. According to the Raftelis analysis, the maximum allowable usage for capacity class C is 80 units (one unit equals one hundred cubic feet ["CCF"]) per month, or 1.38 AF/yr.

Staff will draft an agreement, with Board authorization, whereby District will suspend the requirement to pay Fixed Charges beyond those applicable to capacity class B under District Ordinance No. 19-04 provided that the Parcel does not exceed a maximum of 50 units of water use per month on average, for any 12-month period, based on the 12-month rolling average (month determined by scheduled meter reading cycle). The agreement further stipulates the following to ensure the customer will be held accountable to comply with the purpose of Ordinance No. 19-04:

"In the event the Parcel exceeds a maximum of 50 units of water use per month on average, for any 12-month period, based on the 12-month rolling average,

District will notify the Owner of the exceedance. Within 3 months from the date of the notice, the Owner shall bring the Parcel's average monthly water use, based on the 12-month rolling average, below 50 units per month.

In the event Owner does not bring the Parcel's average monthly water use, based on the 12- month rolling average, below 50 units per month within the 3 months immediately following the date of the notice, the Owner shall become obligated to pay District the additional water Capacity Fees, then in affect, corresponding with the capacity class that matches the Parcel's use over the 12-month period."

ATTACHMENTS

Attachment 1 Customer Variance Application

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Five: Customer Service. This type of agreement allows the Board to fit the requests of an individual customer based on their specific use patterns which fall outside the expectations covered by the existing policy.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

If the Board approves the variance, the customer will save \$167.53 per month (assuming they stay on TSAWR) in monthly service charges to Rainbow MWD unless they exceed the intended capacity of 50 units/month.

- 1) Approve the variance to Ordinance 19-04 to allow a downsize of this meter from a 1½" to a 3/4".
- 2) Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.


Tracy Largent, CPA
Finance Manager

January 26, 2021



ADMINISTRATIVE CODE VARIANCE APPLICATION

PROPERTY OWNER OR PRIMARY ACCOUNT HOLDER INFORMATION		
Owner Name: <u>WILLIAM ELLIS</u>	Telephone No.: <u>(562) 305-3969</u>	
Address: <u>4863 SAN JACINTO CIRCLE E, FALLBROOK</u>		
Email Address: <u>Bill5581@MSN.COM</u>	Account No.: <u>016745-000</u>	
LOCATION OF PROPOSED ADMINISTRATIVE CODE VARIANCE		
Address: <u>4863 SAN JACINTO CIRCLE E,</u>	APN:	Acres: <u>3</u>
SUPPORTING INFORMATION		
Specific section(s) of the Admin. Code for which this variance is being requested (attach additional pages if needed): <u>SEE ATTACHED</u>		
Reason why the variance should be approved including how the intent of the Admin. Code will be met (attach additional pages if necessary):		

Rainbow Municipal Water District (District) Provisions:

The purpose of a variance is to provide flexibility in application of regulations necessary to achieve the purposes of the Administrative Code. A variance is intended to resolve practical difficulties or unnecessary physical hardships that may result from strict adherence to the policies contained in the Administrative Code. The cost to the applicant of strict adherence with any provision of the Administrative Code shall not be the sole reason for granting a variance. This application is subject to the approval of the District Board of Directors.

I hereby certify that all information provided in this application is true.


Owner Signature

10-26-20
Date

3707 Old Highway 395 • Fallbrook, CA 92028
Phone: (760) 728-1178 • Fax: (760) 728-2575 • www.rainbowmwd.com

\\RMWD\Internal\Engineering\Confidential\02_Forms\Variance\20161003-VarianceApplication.doc

October 26, 2020

RE: Administrative Code Variance Application

Included letter dated 9-28-2020

In the attached letter I gave our basic request to downsize our meter from 1 1/2" to 3/4". I was informed by your staff that there is a regulation that requires a minimum of 1" meter for our property. So please consider this a request to downsize to a 1" meter.

Apparently the prior owners attempted to become involved in various agricultural ventures.

After taking possession of the property and receiving our first water bill, (9-10-20), I began the process of determining what was causing the large water usage. Following are the results my investigation.

1. Swimming pool leak. 2 leaks were located and repaired. This required that the pool be partially drained and refilled.
2. Watering system. To date I have located 31 sprinkler valves throughout the property, some of these system were leaking large amounts of water when ever they were turned on. In order to determine what these valves service and the location of outlets its necessary to run the system which accounts for most of the water usage in the billing period ending 10-10-20. I am still working on the system and will undoubtedly use a good amount of water again this month, however it will be going down by a great deal. As of 10-25-20 which is 20 days since you last read our meter we have used 17.4 units of water. Once I locate all of the systems most will be eliminated.
3. Monitoring. I read our meter on a daily basis, because I'm working on our system I can offer that my wife and I use between 10 and 20 cubic feet, (approx. 75 to 150 gallons), for daily household use. This will increase to a degree once a reasonable garden watering system is established.

We have absolutely no need for the volume of water that is provided by an 1 1/2" meter, and it seems unreasonable to have to pay for a service which we do not need.

I am requesting that you approve our request for a variance and have our meter downsized.

Thank you for your consideration.

William C Ellis



METER DOWNSIZE REQUEST

Date: 9-28-20 Account No. 016745-000 APPN:
 Name: WILLIAM ELLIS Phone No.: (562) 305-3969
 (Please Print)
 Service Address: 4863 SAN JACINTO CIR E. FALLBROOK
 Billing Address: SAME

Complete Downsize Meter Information (one request per meter):

From:	Capacity Class:	Ref. Size:	To:	Capacity Class:	Ref. Size:	Accessor's Parcel Number:
	D	1 1/2		B	3/4"	121-130-72-00

Indicate the reason for downsizing the existing water meter(s) Please circle one:

- a. Not using as much water
- b. Agricultural Operations suspended
- c. Other (Describe)

SEE ATTACHED NOTE

The District will review the water usage history to determine if a smaller meter is capable of meeting the water usage demands, and meet Capacity Class requirements. Please note - If you downsize to smaller than a 1-inch meter, you **may** not meet fire flow requirements. In addition, services within high or low pressure areas will be required to sign and record a Notice of High or Low Water Pressure Condition.

Customers agree to install a pressure regulator on their side of the meter, and agrees to install at his/her cost a booster system to be owned, operated and maintained by the Owner/Agent, his/her successors and assigns.

When approval is granted by the District Engineer for the meter capacity class downsize, the owner will be required to sign/notarize a **Meter Downsize Agreement**.

BY SIGNING BELOW, THE APPLICANT DECLARES UNDER PENALTY OF PERJURY AS FOLLOWS:

1. I have the following legal authority to request meter downsizing as set forth above:
 - I am the legal owner of the parcel(s) subject to this request and have attached proof of ownership.
 - I am an authorized agent of the owner of the parcel(s) subject to this request and have attached proof of such authorization hereto.

2. I will immediately notify the General Manager of the District if any of the following occur at any point prior to completion of the meter downsizing: (a) I cease to have authority to request meter downsizing; (b) there is a change in ownership of the parcel(s) subject to this request; or (c) there is a change in control of water service under Chapter 8.04 of the Administrative Code.



METER DOWNSIZE REQUEST

Date: 11-28-20 Account No: 015112-000 APRM
 Name: W. J. Ellis Phone No: (813) 502-2111
 Service Address: 1025 Palm Lakeside Cir E. Palm Borch
 Billing Address: same

Complete (downsize meter information (one request per meter))

Request No.	Request Date	Request Description	Request Status	Requester Name	Requester Phone
1	11-28-20	Downsize Meter	Pending	W. J. Ellis	(813) 502-2111

Indicate the reason for downsizing the existing water meter(s). Please circle one:

- Not using as much water
- Hydrofracture Operations suspended
- Other (Describe)

Not using as much water

The District will review the water usage history to determine if a smaller meter is capable of meeting the water usage demands and meet Capacity Code requirements. Please note - if you downsize to smaller than a 1/2 inch meter, you may not meet the low requirements. In addition, services with high or low pressure areas may be required to install and record a portion of High/Low Water Pressure Condition.

The District requires a pressure regulator on their side of the meter and agrees to install at higher cost. The District will provide a pressure regulator with installation by the Owner/Agent. Higher success and lower cost.

By signing below, the Applicant declares under penalty of perjury as follows:

1. I have the following legal authority to request meter downsizing as set forth above:
 - (a) I am the legal owner of the property and have attached proof of ownership;
 - (b) I am an authorized agent of the owner of the property subject to this request and have attached proof of such authorization; or
 - (c) I have the following legal authority to request meter downsizing as set forth above:
2. I am immediately notifying the General Manager of the District if any of the following occur at any point in time:
 - (a) I cease to have authority to request meter downsizing;
 - (b) there is a change in ownership of the property subject to this request; or
 - (c) there is a change in control of water service under Chapter 8.04 of the Administrative Code.

3. I acknowledge that this request is subject to and approval is conditioned on compliance with current District ordinances, rules and regulations, and the District's Administrative Code, including those provisions governing the size, number and location of service connections, governing who may request a connection and governing the terms of transfer.
4. I acknowledge that, if in the future a larger water meter is required due to higher water usage, I will be required to pay all-past District Operations and Maintenance fees starting from the effective date of the Meter Downsize Agreement through the effective date of the signing of the Meter Upsize Memorandum of Understanding.
5. I acknowledge that in the event the District determines that downsizing is not appropriate, I am responsible for bringing the account current by paying all unpaid fees assigned to the account and hereby agree to make any such payments.
6. I acknowledge that to the extent downsizing results in unused capacity, the District's obligation to recognize such unused capacity, if any, is subject to change and that I may not have a right to such unused capacity in the future.
7. In the event the District incurs any costs or suffers any damage as a result of any misrepresentation, any failure to notify the District of a change in authority to request meter downsizing, a change in ownership of the parcel(s) subject to this request, or a change in control of water service under Chapter 8.04 of the Administrative Code, or in the event this request is determined to be improper for any reason, I understand and agree that I will be solely responsible for, and will indemnify the District from any such costs and damages, including but not limited to the District's reasonable attorney's fees.
8. I acknowledge that the District has the right to refuse or to discontinue water service at any time to protect the District from any fraud or for noncompliance with or violation of any ordinance or rule or regulation of the District arising from this request.

OWNER / AUTHORIZED AGENT:

Name: William C Ellis Date: 9-28-20
Please Print

Signature: William C Ellis

ENGINEERING DEPARTMENT ONLY:

Approved: Yes No

Comments: _____

_____ Date

_____ District Engineer

Page

Number

Date

Approved: YES NO

ENGINEERING DEPARTMENT

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APPROVED

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9-28-2020

Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

RE: 4863 San Jacinto Circle E.
Fallbrook, CA 92028

Request to Downsize Meter

We have recently purchased this property. It is a single family dwelling with only 2 adult residents.

The prior owner had at one point in time attempted to establish a vineyard which apparently failed. Then a large number of palms were planted with the intent to go into the commercial palm tree business, which also did not meet with any success. I am assuming that is the reason for the 1 1/2" meter.

We are not planning any agriculture use for the property and have no need for the volume of water that a 1 1/2" meter can deliver. Therefore we are requesting that our meter be downsized to a 3/4".

Thank you for your assistance with this matter

Regards,



William C. Ellis
4863 San Jacinto Circle E
Fallbrook, CA. 92028
(562) 305-3969
Bill5581@msn.com

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE A VARIANCE FROM ORDINANCE 19-04 TO ALLOW A LOT, LARGER THAN 0.5 ACRES, TO QUALIFY FOR CAPACITY CLASS “B” 3/4” METER AND APPROVE THE CAPACITY CLASS WATER USE AGREEMENT

BACKGROUND

On March 26th 2019 the Board of Directors adopted Ordinance 19-04 which states “*Lot size less than 21,7880 sqft (0.5 acres) may qualify for a 3/4 inch meter.*” The ordinance contains a typographic error, the square footage should be 21,780.

The Terrace Downs HOA in charge of the attached list of APNs (Attachment 2) has requested a variance from Ordinance 19-04 to downsize 16 of their existing 1” meters on an 8.85 acre parcel to 16 3/4” inch meters and reduce their monthly fixed fees. These water meters each serve a duplex with two residences. The average water usage for the 16 meters for a 12-month rolling average was 12 units per month, with a maximum usage of 27 units. The maximum units per month allowed for a 3/4” meter is 50 units.

Terrace Downs HOA was previously granted downsize request variance in August 2019 for 19 meters that went from a 1” to 3/4” and one meter that went from a 1.5” to a 1”. This is a new request for 16 additional meters that the HOA has determined will not need the additional capacity. The past 12 months usage on these meters has been well below the usage capacity allowed for the 3/4” meters that are being requested.

DESCRIPTION

The capacity charges were developed by Wildan and Raftelis through a comprehensive study and analysis of the value of District assets and the maximum day use patterns of existing customers with particular meter sizes. The reference meter size for capacity class B is 3/4-inch. According to the Raftelis analysis, the maximum allowable usage for capacity class B is 50 units (one unit equals one hundred cubic feet [“CCF”]) per month, or 1.38 AF/yr. The lot size requirement was included in the ordinance to protect the District from customers over using their intended capacity.

Staff will draft an agreement, with Board authorization, whereby District will suspend the requirement to pay Fixed Charges beyond those applicable to capacity class B under District Ordinance No. 19-04 provided that the Parcel does not exceed a maximum of 50 units of water use per month on average, for any 12-month period, based on the 12-month rolling average (month determined by scheduled meter reading cycle). The agreement further stipulates the following to ensure the customer will be held accountable to comply with the purpose of Ordinance No. 19-04:

“In the event the Parcel exceeds a maximum of 50 units of water use per month on average, for any 12-month period, based on the 12-month rolling average, District will notify the Owner of the exceedance. Within 3 months from the date of the notice, the

Owner shall bring the Parcel's average monthly water use, based on the 12-month rolling average, below 50 units per month.

In the event Owner does not bring the Parcel's average monthly water use, based on the 12-month rolling average, below 50 units per month within the 3 months immediately following the date of the notice, the Owner shall become obligated to pay District the additional water Capacity Fees, then in affect, corresponding with the capacity class that matches the Parcel's use over the 12-month period."

Terrace Downs HOA was previously granted downsize request variance in August 2019 for 19 meters that went from a 1" to 3/4" and one meter that went from a 1.5" to a 1". This is a new request for 16 additional meters that the HOA has determined will not need the additional capacity. The past 12 months usage on these meters has been well below the usage capacity allowed for the 3/4" meters that are being requested.

ATTACHMENTS

Attachment 1 Customer Downsize Application
Attachment 2 Meter APN List
Attachment 3 Variance Application

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Five: Customer Service. This type of agreement allows the Board to fit the requests of an individual customer based on their specific use patterns which fall outside the expectations covered by the existing policy.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

If the Board approves the variance, the customer will save \$40.03 per account per month (assuming Multi-Family rate) and \$640.48 total in monthly service charges to Rainbow MWD unless they exceed the intended capacity of 50 units/month.

- 1) Approve the variance to Ordinance 19-04 to allow a property larger than 0.5 acres to qualify for capacity class B.
- 2) Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.



Tracy Largent, CPA
Finance Manager

January 26, 2021



District use only: APP# _____

METER DOWNSIZE REQUEST

Date: 12/2/20 Account No. SEE LIST
 Name: TERRACE DOWNS HOA Phone No.: 760-695-2977
 (Please Print)
 Service Address: SEE LIST
 Billing Address: 11717 BERNARDO PLAZA CT 220 SAN DIEGO CA 92128

Complete Downsize Meter Information (one request per meter):

From:	To:	Ref. Size:	Ref. Size:	Accessor's Parcel Number:
Capacity Class:	Capacity Class:			
<u>SEE LIST</u>	<u>SEE LIST</u>			

Capacity Classes=Ref. Sizes: A = 5/8", B=3/4", C=1", D=1.5", E=2", F=3"

Indicate the reason for downsizing the existing water meter(s) Please circle one:

- a. Not using as much water
- b. Agricultural Operations suspended
- c. Other (Describe)

The District will review the water usage history to determine if a smaller meter is capable of meeting the water usage demands and meet Capacity Class requirements. Please note - If you downsize to smaller than a 1-inch meter, you **may** not meet fire flow requirements. In addition, services within high- or low-pressure areas will be required to sign and record a Notice of High or Low Water Pressure Condition.

If needed, the customer agrees to install a pressure regulator on their side of the meter and agrees to install at his/her cost a booster system to be owned, operated and maintained by the Owner/Agent, his/her successors and assigns.

When approval is granted by the District Engineer for the meter capacity class downsize, the owner will be required to sign/notarize a *Meter Downsize Agreement*.

BY SIGNING BELOW, THE APPLICANT DECLARES UNDER PENALTY OF PERJURY AS FOLLOWS:

1. I have the following legal authority to request meter downsizing as set forth above:
 - I am the legal owner of the parcel(s) subject to this request and have attached proof of ownership.
 - I am an authorized agent of the owner of the parcel(s) subject to this request and have attached proof of such authorization hereto.
2. I will immediately notify the Finance Manager of the District if any of the following occur at any point prior to completion of the meter downsizing: (a) I cease to have authority to request meter downsizing; (b) there is a change in ownership of the parcel(s) subject to this request; or (c) there is a change in control of water service under Chapter 8.04 of the Administrative Code.

3. I acknowledge that this request is subject to and approval is conditioned on compliance with District ordinances, rules and regulations, and the District's Administrative Code, including those provisions governing the size, number and location of service connections, governing who may request a connection and governing the terms of transfer.
4. I acknowledge that, if in the future a larger water meter is required due to higher water usage, I will be required to pay all-past District Operations and Maintenance fees starting from the effective date of the Meter Downsize Agreement through the effective date of the signing of the Meter Upsize Memorandum of Understanding.
5. I acknowledge that in the event the District determines that downsizing is not appropriate, I am responsible for bringing the account current by paying all unpaid fees assigned to the account and hereby agree to make any such payments.
6. I acknowledge that to the extent downsizing results in unused capacity, the District's obligation to recognize such unused capacity, if any, is subject to change and that I may not have a right to such unused capacity in the future. Chapter 8.11 of the Administrative Code.
7. In the event the District incurs any costs or suffers any damage as a result of any misrepresentation, any failure to notify the District of a change in authority to request meter downsizing, a change in ownership of the parcel(s) subject to this request, or a change in control of water service under Chapter 8.04 of the Administrative Code, or in the event this request is determined to be improper for any reason, I understand and agree that I will be solely responsible for, and will defend and indemnify the District from any such costs and damages, including but not limited to the District's reasonable attorney's fees.
8. I acknowledge that the District has the right to refuse or to discontinue water service at any time to protect the District from any fraud or for noncompliance with or violation of any ordinance or rule or regulation of the District arising from this request.

OWNER / AUTHORIZED AGENT:

Name: OBIE WEEKS Date: 12/2/20
Please Print

Signature: Obie Weeks
PRESIDENT TERRACE DOWNS HOA

FINANCE DEPARTMENT ONLY:

Approved: Yes No

Comments: _____

Date

Finance Manager

TERRACE DOWNS HOA METER LIST

Address	Street	APN	Rainbow Account number	old size	Old Capacity Class	New size	New capacity class
49	Via Casitas	127-380-07-05	007365-005	1"	C	3/4"	B
53	Via Casitas	127-380-07-06					
57	Via Casitas	127-380-07-07	007365-004	1"	C	3/4"	B
61	Via Casitas	127-380-07-08					
65	Via Casitas	127-380-07-21	007382-002	1"	C	3/4"	B
69	Via Casitas	127-380-07-22					
73	Via Casitas	127-380-07-23	007382-000	1"	C	3/4"	B
77	Via Casitas	127-380-07-24					
81	Via Casitas	127-380-07-25	007365-009	1"	C	3/4"	B
85	Via Casitas	127-380-07-26					
52	Via Casitas	127-380-07-01	007365-000	1"	C	3/4"	B
56	Via Casitas	127-380-07-02					
60	Via Casitas	127-380-07-03	007366-000	1"	C	3/4"	B
64	Via Casitas	127-380-07-04					
68	Via Casitas	127-380-07-27	007382-001	1"	C	3/4"	B
72	Via Casitas	127-380-07-28					
76	Via Casitas	127-380-07-29	007365-010	1"	C	3/4"	B
80	Via Casitas	127-380-07-30					
84	Via Casitas	127-380-07-31	007381-000	1"	C	3/4"	B
88	Via Casitas	127-380-07-32					
52	Via Larga Vista	127-380-07-09	007365-003	1"	C	3/4"	B
56	Via Larga Vista	127-380-07-10					
60	Via Larga Vista	127-380-07-11	007365-002	1"	C	3/4"	B
64	Via Larga Vista	127-380-07-12					
57	Via Larga Vista	127-380-07-13	007365-001	1"	C	3/4"	B
61	Via Larga Vista	127-380-07-14					
65	Via Larga Vista	127-380-07-15	007365-008	1"	C	3/4"	B
69	Via Larga Vista	127-380-07-16					
73	Via Larga Vista	127-380-07-17	007383-000	1"	C	3/4"	B
77	Via Larga Vista	127-380-07-18					
81	Via Larga Vista	127-380-07-19	007365-007	1"	C	3/4"	B
85	Via Larga Vista	127-380-07-20					



ADMINISTRATIVE CODE VARIANCE APPLICATION

PROPERTY OWNER OR PRIMARY ACCOUNT HOLDER INFORMATION		
Owner Name: TERACE DOWNS HOA	Telephone No.: 760-695-2977	
Address: 11717 BERNARDO PLAZA CT 220 SAN DIEGO CA 92128		
Email Address: SOCALOBIE @ AOL.COM	Account No.: SEE LIST	
LOCATION OF PROPOSED ADMINISTRATIVE CODE VARIANCE		
Address: SEE LIST	APN: SEE LIST	Acres:
SUPPORTING INFORMATION		
Specific section(s) of the Admin. Code for which this variance is being requested (<i>attach additional pages if needed</i>): ORDINANCE 19-04		
Reason why the variance should be approved including how the intent of the Admin. Code will be met (<i>attach additional pages if necessary</i>): ALL METERS ARE BELOW THEIR MAXIMUM MONTHLY LIMIT FOR 3/4" METER - 50 UNITS THE HOA IS A LARGER PARCEL WITH 32 RESIDENTIAL UNITS IN 16 DUPLEXES		

Rainbow Municipal Water District (District) Provisions:

The purpose of a variance is to provide flexibility in application of regulations necessary to achieve the purposes of the Administrative Code. A variance is intended to resolve practical difficulties or unnecessary physical hardships that may result from strict adherence to the policies contained in the Administrative Code. The cost to the applicant of strict adherence with any provision of the Administrative Code shall not be the sole reason for granting a variance. This application is subject to the approval of the District Board of Directors.

I hereby certify that all information provided in this application is true.



 Owner Signature

1-5-21

 Date

3707 Old Highway 395 • Fallbrook, CA 92028
 Phone: (760) 728-1178 • Fax: (760) 728-2575 • www.rainbowmwd.com

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE WAIVING OF LATE FEES FOR FEBRUARY 2021 FOR CUSTOMERS SET UP ON AUTOPAY

BACKGROUND

On January 22, 2021, the district will be going live with a new online payment system. Approximately 1,051 customers currently set up for automatic payment will need to re-enroll in the new online payment system. We are asking the board to approve staff to not assess a late charge to any customers enrolled in autopay for the transition month of February 2021.

DESCRIPTION

On January 22, 2021, the district will be going live with a new online payment system. Approximately 1,051 customers currently set up for automatic payment will need to re-enroll in the new online payment system. Staff will be mailing a postcard to these customers prompting them to re-enroll in the new bill pay system. The new bill pay system will generate a report every week with the number of customers that have setup autopay, which district staff will use to compare to the current 1,051 customers on autopay, and continue outreach to get everyone transitioned. We will also be utilizing the reverse 911/TCN feature to auto call customers with the information to update their autopay. Based on the weekly monitoring of these outreach efforts, we will initiate direct customer service calls to the remaining customers. In addition, we will be placing messaging on the website and in the newsletter.

Despite the various outreach efforts, there will be some customers who miss signing up and would then receive a late fee through no fault of their own. We are asking the board to approve staff to not assess a late charge to any customers enrolled in autopay for the transition month of February 2021.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Four: Fiscal Responsibility
Strategic Focus Area Five: Customer Service

BOARD OPTIONS/FISCAL IMPACTS

The fiscal impact of this is minimal and will depend on the response of customers.

The Board has several options:

1. Approve waiving late fees for Autopay Customers for February 2021.
2. Approve waiving late fees through another date.
3. Direct staff to develop other options.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

STAFF RECOMMENDATION

Staff supports option 1.



Tracy Largent, CPA
Finance Manager

January 26, 2021

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

CONSIDER COMMITTEE MEMBER REAPPOINTMENTS

BACKGROUND

Per Administrative Code Section 2.06.010, committee members are to be reappointed by the Board every four years.

At the December 2, 2020 Engineering and Operations Committee meeting and at the December 3, 2020 Communications and Customer Service Committee meeting, respectively, committee members who have served more than four years were asked to notify the District of their desire to be considered for reappointment by the Board of Directors.

The following committee members have been confirmed to have served on their respective committees for more than four years and have notified the District of their desire to be reappointed by the Board:

Engineering and Operations Committee:

Robert Marnett

Communications and Customer Service Committee:

Cynthia Gray
Hayden Hamilton

All remaining committee members not listed herein have served less than four years or have already been granted reappointment by the Board on January 28, 2020.

DESCRIPTION

On December 2, 2020, the Engineering and Operations Committee members unanimously approved a motion recommending the Board approve the reappointment of Robert Marnett to continue to serve as a public member on the committee.

At their December 3, 2020 meeting, the Communications and Customer Service Committee members approved a motion (with one abstention) recommending the Board approve the reappointment of Hayden Hamilton to continue to serve as the Board representative on the committee. The committee members also unanimously approved a separate motion recommending the Board approve the reappointment of Cynthia Gray to continue to serve as an alternate member on the committee.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Section 2.06.010

- Strategic Focus Area One: Water Resources
- Strategic Focus Area Two: Asset Management
- Strategic Focus Area Four: Fiscal Responsibility
- Strategic Focus Area Five: Customer Service
- Strategic Focus Area Six: Communication

ENVIRONMENTAL


In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

1. Reappoint all the committee members seeking reappointment.
2. Reappoint some of the committee members seeking reappointment.
3. Reappoint none of the committee members seeking reappointment.

STAFF RECOMMENDATION

Staff supports direction.



Tom Kehnedey, General Manager January 26, 2021

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPOINT HELENE BRAZIER TO SERVE AS A MEMBER OF THE ENGINEERING AND OPERATIONS COMMITTEE

BACKGROUND

Helene Brazier has served on the Engineering and Operations Committee as both a member of the public and Board since April 30, 2007. She was reappointed by the Board to continue to serve as the Board representative on January 28, 2020.

Due to results of the November 8, 2020 general election, Ms. Brazier no longer serves as a member of the Board; therefore, she does not qualify to serve as a Board representative on this committee.

DESCRIPTION

Currently, Administrative Code Section 2.06.010 states:

“Each committee shall have at least four and no more than seven regular members appointed by a simple majority vote of the Board. Each committee may also have up to two alternate committee members appointed by a simple majority of the Board. Committees may be comprised of Directors, staff, and legal ratepayers of the District. Committee members must reside within District boundaries. Committee members must be registered voters within District boundaries and must maintain a primary domicile within District boundaries for the duration of their tenure.”

As of December 8, 2020, the Engineering and Operations Committee’s membership is made up of one Board Member (Director Gasca), three members of the public, and one alternate.

At their December 2, 2020 meeting, the Engineering and Operations Committee members took action recommending the Board appoint Ms. Brazier to serve on this committee as a member of the public. This recommendation was approved unanimously.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Section 2.06.010

Strategic Focus Area One: Water Resources
Strategic Focus Area Two: Asset Management
Strategic Focus Area Four: Fiscal Responsibility

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

1. Appoint Helene Brazier to serve as a member of the public on the Engineering and Operations Committee.
2. Deny appointment of Helene Brazier to serve as a member of the public on the Engineering and Operations Committee.

There are no known fiscal impacts.

STAFF RECOMMENDATION

Staff supports direction.



Tom Kennedy, General Manager January 26, 2021

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION AND POSSIBLE ACTION SUPPORTING A NOMINATION TO ACWA BOARD OF DIRECTORS REGION 10

BACKGROUND

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 10 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 10. The members of the Region 10 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members and serve as a key role in ACWA's grassroots outreach efforts.

DESCRIPTION

The Region 10 Nominating Committee is looking for ACWA members who are interested in leading the direction of ACWA Region 10 for the remainder of the 2020-2021 term. The Board is seeking candidates from Region 10 to fill **one board vacancy**.

Anyone interested is encouraged to familiarize themselves with the Role of the Regions and Responsibilities and the Region 10 Rules and Regulations (see attached) as well as complete a Region Board Candidate Nomination Form, obtain a Resolution in Support from the RMWD Board of Directors, and submit the requested information to ACWA by Friday, February 12, 2021.

The Region 10 Board will make their appointment shortly thereafter and will inform the region of the results.

Resolution No. 21-06 has been prepared in the event the Board decides to support a nomination.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Three: Workforce Development

Strategic Focus Area Six: Communication

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a "project" as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

There is no fiscal impact to the District.

- 1) Approve Resolution No. 21-06 supporting a nomination to the ACWA Board of Directors Region 10.
- 2) Approve Resolution No. 21-06 supporting a nomination to the ACWA Board of Directors Region 10 with revisions.
- 3) Take no action.

STAFF RECOMMENDATION

Staff supports Board decision.



Tom Kehndy, General Manager

January 26, 2021

RESOLUTION NO. 21-06

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
RAINBOW MUNICIPAL WATER DISTRICT
PLACING IN NOMINATION _____ AS A MEMBER OF THE ASSOCIATION
OF CALIFORNIA WATER AGENCIES REGION 10**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT AS FOLLOWS:

A. Recitals

- (i) The Board of Directors (Board) of the Rainbow Municipal Water District does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA).
- (ii) _____ is currently serving as _____ for ACWA Region 10 and/or
- (iii) _____ has indicated a desire to serve as a Board Member of ACWA Region 10.

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF THE RAINBOW MUNICIPAL WATER DISTRICT,

- (i) Does place its full and unreserved support in the nomination of _____ for the Board Member position of ACWA Region 10.
- (ii) Does hereby determine that the expenses attendant with the service of _____ in ACWA Region 10 shall be borne by the Rainbow Municipal Water District.

ADOPTED AND APPROVED at a regular meeting of the Board of Directors held on the 26th of January 2021 by the following vote, to wit:

**AYES:
NOES:
ABSENT:
ABSTAIN:**

_____, Board President

ATTEST:

Dawn Washburn, Board Secretary

MEMORANDUM

Date: January 11, 2021

To: Region 10 Member Agency Presidents and General Managers
(sent via e-mail)

From: ACWA Region 10 Board

The Region 10 Board is looking for ACWA members who are interested in leading the direction of ACWA Region 10 for the remainder of the 2020-2021 term. The Board is seeking candidates from Region 10 to fill one board vacancy.

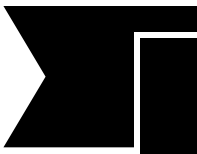
The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 10 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 10. The members of the Region 10 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 10 Board Member, please familiarize yourself with the Role of the Regions and Responsibilities; and the Region 10 Rules and Regulations [HERE](#) and complete the following steps:

- **Complete the Nomination Form [HERE](#)**
- **Obtain a Resolution of support from your agency's Board of Directors (sample resolution [HERE](#))**
- **Submit the requested nomination form to ACWA by 5:00 p.m. February 12, 2021**

The Region 10 Board will make their appointment shortly thereafter and will inform the region of the results.

If you have any questions, please contact ACWA Regional Affairs Representative Augustine Han at AugustineH@acwa.com, or call (916) 441-4545.



REGION BOARD CANDIDATE NOMINATION FORM

Name of Candidate: _____

Agency: _____ Title: _____

Agency Phone: _____ Direct Phone: _____

E-mail: _____ ACWA Region: _____ County: _____

Address: _____

Agency Function(s): (check all that apply)

- Wholesale
- Sewage Treatment
- Flood Control
- Urban Water Supply
- Retailer
- Groundwater Management / Replenishment
- Ag Water Supply
- Wastewater Reclamation
- Other: _____

Describe your ACWA-related activities that help qualify you for this office:

In the space provided, please write or attach a brief, half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership. Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.

I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating on region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.

*I hereby submit my name for consideration by the Nominating Committee.
(Please attach a copy of your agency's resolution of support/sponsorship for your candidacy.)*

Signature Title Date

Submit completed form to Petra Rice at petrar@acwa.com.

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
(DISTRICT NAME)
PLACING IN NOMINATION (NOMINEE NAME)
AS A MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES
REGION ____ (POSITION)**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF (DISTRICT NAME) AS FOLLOWS:

A. Recitals

(i) The Board of Directors (Board) of the (District Name) does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA).

(ii) (Nominee Title), (Nominee Name) is currently serving as (Position) for ACWA Region ____

and/or

(iii) (Nominee Name) has indicated a desire to serve as a (Position) of ACWA Region ____.

B. Resolves

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF (DISTRICT NAME),

(i) Does place its full and unreserved support in the nomination of (Nominee Name) for the (Position) of ACWA Region ____.

(ii) Does hereby determine that the expenses attendant with the service of (Nominee Name) in ACWA Region ____ shall be borne by the (District Name).

Adopted and approved this ____ day of ____ (month) 2020.

(SEAL)

(Nominee Name), (Title)
(District Name)

ATTEST:

(Secretary Name), Secretary

I, (SECRETARY NAME), Secretary to the Board of Directors of (District Name), hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the ____ day of ____ (month) 2020, and was adopted at that meeting by the following roll call vote:

AYES:

NOES:

ABSENT:

ATTEST:

(Secretary Name), Secretary to the
Board of Directors of
(District Name)

THE ROLE OF THE REGIONS

Mission:

ACWA Regions will provide the grassroots support to advance ACWA's legislative and regulatory agenda.

Background:

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

The primary charge of regions:

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.
 - *Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.*

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS

Region Chair:

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Is a member of ACWA's Outreach Program, and encourages region involvement.
 - Appoints Outreach Captain to help lead outreach effort within the region.



- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

Region Vice Chair:

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- In the absence of the chair and in partnership with the chair, exercises the powers and performs duties of the region chair.
- Is a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

Region Board Member:

- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.
- Will participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.

ACWA Region 10
Rules & Regulations

Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).

Officers

The chair and vice chair shall be from different counties.

At least one of the chair or vice chair positions must be an elected/appointed director from a member agency.

The region board members shall alternate every two years with three from one county and two from the other. The county from which the chair comes from shall have two region board members and the county from which the vice chair comes from shall have three region board members.

The chair will provide the region secretary.

Meetings

The region will hold at least quarterly meetings, including the ACWA spring and fall conferences.

The region chair will determine when and if nonmembers are invited to regional activities or events.

Attendance

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

Elections

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.

The nominating committee shall consist of four persons, two from each county.

The nominating committee shall pursue qualified members within the region to run for the region board and consider geographic diversity, agency size and focus in selecting a slate.

A member of the nominating committee cannot be nominated by the committee for an elected position.

See current region election timeline for specific dates.

Endorsements

ACWA, as a statewide organization, may endorse potential nominees and nominees for appointment to local, regional, and statewide commissions and boards. ACWA's regions may submit a recommendation for consideration and action to the ACWA Board of Directors to endorse a potential nominee or nominee for appointment to a local, regional or statewide commission or board. (ACWA Policy & Guideline P, 3.)

Committee Recommendations & Representation

All regions are given equal opportunity to recommend representatives of the region for appointment to a standing or regular committee of the Association. If a region fails to provide full representation on all ACWA committees, those committee slots will be left open for the remainder of the term or until such time as the region designates a representative to complete the remainder of the term. (ACWA Policy & Guideline P, 4. A.)

At the first region board / membership meeting of the term, regions shall designate a representative serving on each of the standing and regular committees to serve as the official reporter to and from the committee on behalf of the region to facilitate input and communication. (ACWA Policy & Guideline P, 4. B.)

The chair and vice chair will recommend an official alternate for excused committee members.

Tours

ACWA may develop and conduct various tours for the regions. All tour attendees must sign a "release and waiver" to attend any and all region tours. Attendees agree to follow environmental guidelines and regulations in accordance with direction from ACWA staff; and will respect the rights and privacy of other attendees. (ACWA Policy & Guideline P, 6.)

Finances

See "Financial Guidelines for ACWA Region Events" document.

Amending the Region Rules & Regulations

ACWA policies and guidelines can be amended by approval of the ACWA Board of Directors.

The region 10 rules and regulations can be changed at any time with advanced written notice to member agencies.

REGION MAP



REGIONS
1, 3, 5

Jennifer Rotz
Regional Affairs Representative
jenniferr@acwa.com

REGIONS
2, 6, 7

Michael Cervantes
Senior Regional Affairs Representative
michaelc@acwa.com

REGION
4

Ana Javaid
Region & Member Engagement
Specialist II
anaj@acwa.com

REGIONS
8, 9, 10

Augustine Han
Regional Affairs Representative
augustineh@acwa.com

ACWA Region 10 Board 2020-2021 Term

Chair:

**DeAna Verbeke, Helix Water District
(San Diego County)**

7811 University Avenue
La Mesa, CA 91941
Phone: (619) 750-9006
Email: verbeke@cox.net
Position: Board Member

**Shauna Lorange, City of San Diego Public Utilities
(San Diego County)**

9192 Topaz Way
San Diego, CA 92123
Phone: (858) 292-6401
Cell: (858) 292-6441
Email: slorange@sandiego.gov
Position: Director

Vice Chair:

**Cathy Green, Orange County Water District
(Orange County)**

18700 Ward Street
Fountain Valley, CA 92708
Phone: (714) 378-3200
Cell: (714) 897-2039
Email: ctpgreen@gmail.com
Position: Director

**George Murdoch, East Orange County Water
District (Orange County)**

1751 Rainbow Drive
Santa Ana, CA 92706
Phone: (714) 538-5815
Cell: (714) 292-1570
Email: gmurdoch@eocwd.com
Position: Director

Board Members:

**Jim Atkinson, Mesa Water District
(Orange County)**

1965 Placentia Avenue
Costa Mesa, CA 92627
Phone: (949) 631-1201
Email: jima@mesawater.org
Position: President

VACANT (San Diego County)

**Charles T. Gibson, Santa Margarita Water District
(Orange County)**

P.O. Box 7005
Mission Viejo, CA 92690-7005
Phone: (949) 459-6642
Cell: (949) 485-0658
Email: charlesg@smwd.com
CC Email: kellyr@smwd.com
Position: Board President

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

DISCUSSION REGARDING POSSIBLY AMENDING AND UPDATING ADMINISTRATIVE CODE SECTION 2.03.010 – REMUNERATION AND REIMBURSEMENT POLICY

BACKGROUND

At the December 8, 2020 Regular Board meeting, an inquiry was made as to whether Board Members could claim compensation in the amount of \$150.00 for attending ad hoc committees in which they were selected to participate. At that time, it was understood any Director who spends a portion of a day on district-related business matters were eligible to receive compensation; therefore, the Board did not object to Directors receiving compensation for their participation in a recent ad-hoc committee activity and payment for such was processed.

During this same meeting, it was also understood Directors could remit for compensation for participating on any RMWD standing committees (Budget and Finance, Engineering and Operations, Communications and Customer Service) to which they were Board appointed.

Staff subsequently reviewed Administrative Code Section 2.03.010 in which compensation for Director participation on either an ad hoc committee or standing committee was not listed as compensable.

Upon conducting additional research, it was found a previous Board voted not to approve Ordinance No. 08-03 which would allow for compensation to Directors appointed to serve on any of the standing committees provided herein. An excerpt taken from the February 26, 2008 Board meeting minutes has been attached to assist with understanding this decision. To date, our records indicate no Board Members have made a request for or received compensation for participation on any of the District's standing committees since their inception.

DESCRIPTION

This item is to provide an opportunity for the Board to consider possibly updating and amending Administrative Code Section 2.03.010 to specify which meetings are to be eligible for compensation with possible inclusion of ad hoc as well as standing committees.

Also, since the COVID-19 pandemic outbreak, the District has put a temporary hold on its general practice of providing lunches to Board Members whenever Closed Sessions have been scheduled to start any time prior to 12:30 p.m. This hold was put in place for safety reasons as well as due to limited in-house resources to retrieve meals and accessibility to local restaurants. Since this hold has been implemented, some Board Members have inquired as to whether they would be eligible to receive reimbursement for any meals they personally purchased to bring with them to Board meetings for consumption during Closed Sessions. This item would also provide an opportunity for the Board to consider whether these types of purchases would be eligible for reimbursement.

The purpose of this agenda item is to receive feedback from the Board so staff can prepare any appropriate amendments to the Administrative Code to be brought back at the February Board meeting.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

As a Board procedural issue, the matter of compensation for attendance at Board meetings does not dovetail into any specific focus area of the Strategic Plan.

ENVIRONMENTAL

In accordance with CEQA guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA and further environmental review is not required at this time.

BOARD OPTIONS/FISCAL IMPACTS

Once the Board provides staff with input, we can prepare information about the fiscal impacts of the direction the Board wishes to go in this matter.

STAFF RECOMMENDATION

Staff supports Board direction.



Tom Kennedy, General Manager

January 26, 2021

***12. REVIEW AND DISCUSSION OF PROPOSED ORDINANCE 08-03 OF THE BOARD OF DIRECTORS OF THE RAINBOW MUNICIPAL WATER DISTRICT AMENDING SECTION 2.03.010 OF THE ADMINISTRATIVE CODE REGARDING BOARD MEMBER COMPENSATION, AND SETTING A PUBLIC HEARING FOR MARCH 25, 2008 (REQUESTED BY: DIRECTOR WALSON)**

Mr. Seymour noted the Board requested that the Ordinance pertaining to Board compensation be updated and brought back to the Board for consideration. He noted the new Ordinance will allow for participation on the District committees compensable under the per diem policy. He added the new policy would put a cap of no more than two meetings in any calendar month in total.

Director Walson said he only wanted to add the Board appointed committees to be used as one of the meetings for compensation.

Director Griffiths pointed out that the initial intent for reducing the number of compensable meetings was to cut back on the number of Special Meetings the RMWD Board held each month. He said when a Director attends the committee meetings that person has much more responsibility than the other participants in their statements and preparations. He concluded by saying he agreed Directors should receive per diems for attending committee meetings.

Steve Brannon disagreed with Director Griffiths' comments that Board Members have more responsibility than the other committee participants. He reminded the Board that when the committees were started, it was done on a voluntary basis. He said although he agreed there be Board Members on the committees, he recommended waiting until the beginning of next year before considering changing the per diem policy. He expressed concern regarding this being brought up outside the budgetary process as well as where they will get the money.

Helene Brazier reminded the Board that several members of the Board ran on a platform of financial responsibility and that they would receive less per diems than prior Board Members.

Action:

Moved by Director McManigle to not approve Ordinance 08-03. Seconded by Director Lucy. Ayes: Lucy, Petty, McManigle. Noes: Griffiths, Walson. Motion carried (3/2).

Director Griffiths disagreed that the Board Members on the committees were not being given credit for the work involved in preparing for the meetings. Director McManigle disagreed and pointed out that both Mr. Pearce and Mr. Brannon are at RMWD constantly working on items for the committees and they are not being compensated. Director Griffiths explained that the responsibility for being consistent between the Committee meetings and Board meetings lies with the Board Members serving as Committee Members; therefore, he opposed the motion.

Helene Brazier raised the issue that the Directors who serve on the committees are acting as Committee Members not as Directors.

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

VARIABLE					
DATE	2021	MEETING	LOCATION	ATTENDEES	POST
February	11	SDCWA Special Board Meeting	SDCWA	GM	N/A
February	18	CSDA – San Diego Chapter	The Butcher Shop – 6:00 p.m. 5255 Kearny Villa Road San Diego, CA 92123	Mack	N/A
February	*	LAFCO Special Meeting	County Admin Center, Room 302 – 9:30am	(As Advised by GM)	N/A
February	*	Santa Margarita River Watershed Watermaster Steering Committee	Rancho California Water District	Hamilton	N/A

* To Be Announced

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

RECURRING					
DATE	2021	MEETING	LOCATION	ATTENDEES	POST
February	1	LAFCO	County Admin. Center Room 302 9:00 am	As Advised by GM	N/A
February	3	Engineering & Operations Committee Meeting	RMWD Board Room 3:00 p.m.	Appointed Director, General Manager	1/28
February	4	Communications & Customer Service Committee Mtg.	RMWD Board Room 3:30 p.m.	Appointed Director, General Manager	1/28
February	9	Budget & Finance Committee Mtg.	RMWD Board Room 1:00 p.m.	Appointed Director, General Manager	1/28
February	16	SDCWA GM's Meeting	SDCWA, San Diego 9:00 a.m.	General Manager	N/A
February	16	Council of Water Utilities	The Butcher Shop – 8:00 a.m. 5255 Kearny Villa Road San Diego, CA 92123	All Directors, General Manager	N/A
February	19	NC Managers	Golden Egg 7:45 a.m.	General Manager	N/A
February	23	RMWD General Board	RMWD Board Room (Start Time to Be Determined)	All Directors	2/16
February	24	North County Work Group (NCWG)	Rincon Del Diablo, Escondido 7:30 a.m.	General Manager	N/A
February	24	San Luis Rey Watershed Council	Pala Administration Building 1:00 p.m.	Appointed Director	N/A
February	25	SDCWA Full Board Meeting	SDCWA Board Room, 3-5 p.m.	General Manager	N/A

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

- **CHANGES – ADDITIONS - DELETIONS:**

~NOTE~ Some or all the meetings listed may be held via teleconference or cancelled due to the current COVID-19 situation. Please contact the District with any inquiries.



STAFF TRAINING REPORT

ATTENDEES NAME(S):	Delia A. Rubio
TITLE OF TRAINING/CONFERENCE/WORKSHOP/CLASS:	Understanding the Construction Bidding Process
DATE(S) ATTENDED:	December 21, 2020
AGENCY HOSTING TRAINING/CONFERENCE/WORKSHOP/CLASS:	Lorman
LOCATION:	RMWD - Webinar
DESCRIPTION OF TOPIC(S)/LEARNING EXPERIENCE:	
<p>This webinar provided an understanding of the construction bidding process by explaining the steps, differences, responsibilities and mistakes of construction bidding.</p> <p>Competitive bidding was established back in 1942 to enhance competition and prevent corruption and undue influence. Competitive bidding awards to the lowest responsible and responsive bidder. This allows the best price of government funds.</p> <p>The bid documents were discussed and I was able to confirm that they matched up with the bid documents used at the District. Under competitive bidding a contract is effective when awarded, and not when signed by the parties.</p> <p>Regarding bidder prequalification it was emphasized to obtain financial information from the prospective bidders, ensure we have standardized prequalification forms and procedures to apply a uniform system of rating to bidders., review experience and quality, past performance, insurance, bonding, and safety. I verified that these procedures were in fact used during the District's prequalification request in January of this year.</p> <p>I noted the following items:</p> <ul style="list-style-type: none"> - Payment /Performance bonds are required for public contracts in excess of \$25K. -A public agency may permanently debar a corrupt contractor from bidding work. -Public body may waive minor deviations on the bid. -Before rejecting a bid on non-responsibility grounds, the public agency must show evidence and provide an opportunity for the bidder to demonstrate that it is qualified to perform the contract. -Bid mistakes need to be dealt with quickly such as between 2 - 5 days. -Specifications must state the period of time in which bidders may request approval of the "or equal" substitution. <p>Overall, I enjoyed this course by learning new information, as a refresher and validation that the District is following current bidding procedures.</p>	

BOARD OF DIRECTORS

January 26 ,2021

SUBJECT

Operations Report for November

DESCRIPTION

Activities for Operations & Maintenance Division

CONSTRUCTION & MAINTENANCE DEPARTMENT:

	Repairs	Installations	Leaks
Mainline	6		6
Service	1		1
Hydrants			
Valves		9	
Meters			
Blow-Offs	1		
Air Vacs	1		

- Dentre/Rose PRV is 100% complete and in service
- Started Hialeah 5% complete
- Helping with WSUP, Sewer bypass (NRR), cleaning lower lot, and Sanexen pilot project
- One Service leak on Via Maria Elena
- 6 Mainline leaks/breaks:
 - Thibodo line (Joint CMLC)
 - Monserate and Fallsbrae (Nozzle CMLC)
 - Puerto del Mundo (Nozzle CMLC)
 - Pala Mesa Parking Lot (Joint CMLC)
 - Rancho Heights and Magee (Nozzle CMLC)
 - Rainbow Glenn (Joint C900)

WATER OPERATIONS AND VALVE MAINTENANCE DEPARTMENT:

Water Operations:

- (3) Tanks were cleaned/washed out and put back in service.
- 2020 Sanitary Survey on-site inspection performed.
- Performed (2) fire flow tests.
- Collected all tank/reservoirs nitrification samples.
- Replaced (1) failed CSM-11 at a pump station.
- Installed (3) new District warning/no trespassing signs at district facilities.
- Performed routine maintenance/rebuilding on (6) pressure station CLA VAL's.

Valve Maintenance:

Monthly Totals	Valves (Distribution)	Appurtenance Valves	Appurtenances
Exercised	34	8	N/A
Inoperable	1	0	0
Repaired	0	0	0
Replaced	0	0	0
Installed	0	0	0

Valve Maintenance completed and/or oversaw the following:

- 187 utility locates completed
- Assisted with (12) shutdowns
- Raised (0) fire hydrants (installed breakaway spools)
- Replaced (0) air/vacs (0) wharf heads (2) Fire hydrants (0) gate valve
- Painted 11 appurtenances
- Worked with Construction crew on needed jobs many times throughout the month.

METERS DEPARTMENT:

Current Projects:

- Water Service Upgrade Project
- Concord in route 12,14 continue in 16,26,

- 2739 (31%) meters have been replaced by Concord on track to reach 2,800 by the new year.

Backflows:

- 462 tested last month and 4,574 backflow inspections completed this year. 426 remaining.

Customer Service Requests:

- 972 total resolved requests for the month of November

WASTEWATER:

Monthly, Semi Annual and Annual Reports:

California Integrated Water Quality System (CIWQS): Confirmation # 2585500 Reported "No Spill report" for the month of November 2020.

California Integrated Water Quality Control System: Enforcement letter 631568KYaeger Category 1 SSO dated April 10,2020 Violation ID 1072539,1072624.

Lift Stations:

Work Order # 183310 – Stallion flow meter failure. Troubleshoot flow meter over 20 years old meter offline. EAM Purchase order # 11152 \$7,953.22 replacement unit.

EAM work order # 181026 November 2,2020 – USPS Technologies sewage odor pilot program at Rancho Viejo lift station and Hwy 76. EAM purchase order # 11044 \$8,616.00

Projects:

Work order # 182785 11-17-2020 – Kennedy Jenks Hwy 76 Condition assessment 15" vcp sewer line.

North River Road CIP Work order # 1777422

11-18-2020 – Segment #3

11-20-2020 – Segment # 27,28

11-29-2020 – Segment 4&5

Customer service:

Address: 2915 Lakemont Drive Fallbrook sewer root ball customer blockage ran vaccon truck and cleared sewer line. EAM work order # 183222

Mutual Aid:

n/a

FLEET/GARAGE:

Projects:

- Shop work bench upgrade and heavy-duty vise installation
- Purchase and store chemicals in flammable cabinets

Future Projects:

- Prepare new dump truck # 72 and welder truck # 21 for service (pending delivery)
- Spec and order DEF (Diesel Exhaust Fluid) portable tank with pump & meter (waiting on quotes)
- Upfit # 3 with maximum tool storage and install center console with additional emergency radio's and safety lighting.
- Shop work bench upgrade (Pending delivery)
- Fleet emissions testing and reporting by December 31, 2020
- Rehab Portable restrooms (pending quotes)
- Up-fit Trailer # 109 Wastewater Trailer
- Up-fit # 155 Ditch Witch Hose Carrier and Step



Robert Gutierrez
Operations Manager

1/26/2021

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

Operations Report for December 2020

DESCRIPTION

Activities for Operations & Maintenance Division

CONSTRUCTION & MAINTENANCE DEPARTMENT:

	Repairs	Installations	Leaks
Mainline	10		11
Service	1		1
Hydrants	1		1
Valves			
Meters		1	
Blow-Offs			
Air Vacs	1		

WATER OPERATIONS AND VALVE MAINTENANCE DEPARTMENT:

Water Operations:

- (4) Tanks were cleaned/washed out and put back in service.
- (4) Pressure stations completely prepped and painted.
- Performed (2) fire flow tests.
- Collected 4th Quarter THM/HAA5 Samples.
- Collected all tank/reservoirs nitrification samples.
- Replaced (1) failed CSM-11 at a pump station.
- Performed routine maintenance/rebuilding on (8) pressure station CLA VAL's.

Valve Maintenance:

Monthly Totals	Valves (Distribution)	Appurtenance Valves	Appurtenances
Exercised	57	19	N/A
Inoperable	4	1	0
Repaired	0	0	0
Replaced	0	0	0
Installed	0	0	0

Valve Maintenance completed and/or oversaw the following:

- 194 utility locates completed
- Assisted with (5) shutdowns
- Raised (0) fire hydrants (installed breakaway spools)
- Replaced (2) air/vacs (0) wharf heads (0) Fire hydrants (0) gate valve
- Painted 25 appurtenances
- Worked with Construction crew on needed jobs many times throughout the month.

METERS DEPARTMENT:

Current Projects:

- Water Service Upgrade Project
- Concord in route 6, continue in 12,14
- 3358 (38%) meters have been replaced by Concord.

Backflows:

- 754 tested last month and 5328 backflow inspections completed this year.

Customer Service Requests:

- 765 total resolved requests for the month of November

WASTEWATER:

Monthly, Semi Annual and Annual Reports:

California Integrated Water Quality System (CIWQS): Event ID 870782 Category 1 Sanitary overflow Date of occurrence: 12-02-2020 North River Road manhole P1_11

County of San Diego Watershed Protection program – 12-21-2020 verified resident fog circulation monitoring provided resource.

Lift Stations:

Work Order # 183576 – December 5,2020 Horsecreek lift station 50 H/P sewer pump#1 plugged with contractor rope new Meadowood development construction.

Work Order # 181026 – USP Technologies performing 1-month sewer odor control monitoring pilot program at Rancho Viejo sewer lift station and Hwy 76.

Work order # 184190 – Stallion flow meter failed after 20 years – Purchased new flow meter to be placed and recalibrated late January 2020.

Projects:

North River Road 15” CIP project # 177422 Rainbow Municipal Water District set up sewer bypass and hold flow at Old River Road lift station per Southwest contractor at following segments:

- 12-1-2020 Segment # 4&5 / 807’ sewer line bypassed
- 12-2-2020 Segment # 27&28 / 841’ sewer line bypassed
- 12-3-2020 Segment # 47&48 / 981’ sewer line bypassed
- 12-4-2020 Segment # 45&46 / 967’ sewer line bypassed
- 12-8-2020 Segment # 49 & 50 /1,018’ sewer line bypassed
- 12-9-2020 Segment # 51 & 52 / 985’ sewer line bypassed
- 12-10-2020 Segment # 18 & 19 / 924’ sewer line bypassed
- 12-11-2020 Segment # 13 & 14 / 791’ sewer line bypassed
- 12-14-2020 Segment # 15 / 625’ sewer line bypassed
- 12-15-2020 Segment # 18 &19 / 924’ sewer line bypassed
- 12-16-2020 Segment # 20 / 668’ sewer line bypassed
- 12-17-2020 Segment # 21 & 22 / 1,016’ sewer line bypassed
- 12-18-2020 Segment # 24 / 607’ sewer line bypassed

Customer service:

12-13-2020 Address:124 East View St. Fallbrook sewer overflow coming at street – responded neighboring water District FPUD contacted wastewater division customer sewer clean out overflowing.

12-21-2020 – 211 Via Manzano sewer odor – Responded added odor blocks and degreaser at lift station.

FLEET/GARAGE:

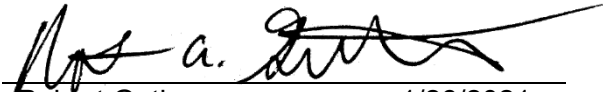
Projects:

- Shop work bench upgrade and heavy-duty vise installation
- Purchase and store chemicals in flammable cabinets
- Unit # 28 Standby Truck Spot Light, Decals, Seat Repair

Future Projects:

- Prepare new dump truck # 72 and welder truck # 21 for service (pending delivery)
- Spec and order DEF (Diesel Exhaust Fluid) portable tank with pump & meter (waiting on quotes)
- Upfit # 3 with maximum tool storage and install center console with additional emergency radio’s and safety lighting.

- Shop work bench upgrade (Pending delivery) Jan 21st 2021
- Rehab Portable restrooms (pending quotes)
- Up-fit Trailer #109 Waste Water Trailer


Robert Gutierrez 1/26/2021
Operations Manager

BOARD OF DIRECTORS

January 26, 2021

SUBJECT

Engineering Report for December 2020

DESCRIPTION

CAPITAL PROJECTS:

Quiet Title: District staff is working with Legal Counsel on this project. The attorneys have served all known decedents of the original property owners. Next step is to have an order for service by publication. After that, assuming no responses, we can provide a default judgment to the court. KDM Meridian is performing the Record of Survey. The record of survey was submitted to the county but placed on hold. After the District Counsel completes Quiet Title action and resolves boundary issues, the record of survey will be finalized. Due to the COVID-19 restrictions, the Quiet Title action is delayed. A legal description document to be included in the record of survey was prepared and sent to counsel. The publication and posting time requirements have been met and interested parties have 30-days to respond. The deadline for responses was November 16, 2020. The next step is requesting a Court Judgement.

North River Road Sewer Pipe Lining (Southwest Corporation): The contractor started pipe lining on November 17, 2020 and is scheduled to complete lining by mid-January 2021.

Olive Hill Estates Transmission Line Reconnection Project (T.E. Roberts, Inc.): Project includes the construction of 2,550 lineal feet of 14-inch ductile iron pipe and 30 lineal feet of 12-inch ductile iron pipe in the Olive Hill Estates community. The Board accepted the project and authorized staff to file the Notice of Completion at the December 8, 2020 Board Meeting. Staff is working on closing out the project.

Phase I PRS Project (M-Rae): The contract with M-Rae was cancelled. District received and processed the reimbursement request from the contractor. Materials for the project were purchased directly from Pacific Pipeline Supply and the materials were delivered to the District yard. District staff will be performing installation of the pressure reducing stations. A zoom meeting was held December 15, 2020 with the HOA for the Almendra Court pressure reducing station site to coordinate the project. Construction of this PRS is scheduled to begin in January 2021.

Pipeline Upgrade Project (PUP) No. 1 (Omnis Consulting): The project has been divided into multiple bid packages. District staff issued the notice to proceed for the Sagewood Road Water Improvements in December 2020. The CEQA documents for Gopher Canyon Water Pipeline Improvements were reviewed and completed in December 2020. The Initial Study/Mitigated Negative Declaration will be released for 30-Day Public Review in January 2021. The Bid documents for the Gird Road Water Pipeline Improvements, Eagles Perch Water Pipeline Improvements, and Via Vera Water Pipeline Improvements have been completed and ready for bid. These projects have been placed on the CIP schedule to be bid out accordingly.

Pipeline Upgrade Project (PUP) No. 2 (Harris & Assoc.): The award of a construction contract for the Nella Lane Water Main Replacement Project was expedited due to a County of San Diego project starting in the same area. The Nella Lane construction project is scheduled to come to the Board of Directors for acceptance at the February 2021 Board Meeting. Consultant is working on the 90% design and CEQA documentation for the remaining pipe segments.

Rainbow Heights Pump Station Replacement (Orion Construction Corp): The contractor is in the submittal phase of this project. Construction is scheduled to begin in March 2021.

Rainbow Heights Road Pipe Installation Project (Cal-Campfire): District staff is working on an in-house installation of a 6-inch PVC water line towards the end of Rainbow Heights Road to extend the District's existing transmission main close to Cal-Campfire. Five easements were acquired in December 2020. The biological survey to meet CEQA Environmental requirements was also completed in December 2020. Project design is anticipated to be completed in early February 2021 and installation of the pipe before the end of this fiscal year.

Rainbow Valley Blvd. Cathodic Protection Project: District executed a professional services agreement with Corrpro on November 16, 2020. The project is for design services for cathodic protection of the transmission main starting at Rainbow Heights Pump Station to Rainbow Hills Pump Station along 8th Street, Rainbow Valley Road, and Frontage Road. Staff held a kickoff meeting in December 2020 with Corrpro and a 30% design is anticipated in January 2021.

Rice Canyon Tank Transmission Line (Dexter Wilson Eng.): The Consultant continues to work on the design. Staff is currently reviewing 90% design plans.

Sewer Pipe Lining (Nu-Line Tech.): The Board approved project acceptance of the improvements with a change to the contract amount reflecting the credit for defective lining at the December 8, 2020 Board Meeting. Staff is working on project closeout.

Thoroughbred and Schoolhouse Lift Stations (Kennedy Jenks Assoc.): Consultant is moving forward with design of the following: 1. Thoroughbred Lift Station, 2. Force Main from Thoroughbred Lift Station to Old River Road, 3. Olive Hill Road Gravity Main Improvements (appurtenant to Lift Station), and 4. Upsize of existing Sewer Line along Highway 76. The CEQA documents were completed and the Draft Initial Study/Mitigated Negative Declaration (IS/MND) was released for 30-Day Public Review on November 6, 2020. Comments were received from Caltrans and a resident. Response to comment letters have been prepared and will be sent in early January 2021. District staff will be bringing the Final IS/MND to the January 2021 Board Meeting for adoption by resolution. Additionally, District staff and consultant met with Caltrans for an encroachment permit pre-application meeting in December 2020. Also, Change Order #12 was presented and approved at the December 8, 2020 Board Meeting. The project design is scheduled to be completed by the end of this fiscal year.

Vista Valley Country Club Villas HOA PRS Project (SCW Contracting): Project includes rock excavation into existing slope, construction of a retaining wall, installation of one EFI PRS, removing an existing pipe cross and connecting the two piping runs, and installation of two plug valves in the Vista Valley Country Club Villas HOA. Installation of the EFI PRS was completed in October 2020, however, minor punch list items remain to be completed. The project is expected to come to the Board for acceptance in February 2021.

Weese Filtration Plant Interconnect: District staff received all comments for the 90% design in December 2020 and has been working with its consultant IEC to finalize the design plans. The final design plans and bid package is scheduled to be completed in January 2021.

MAJOR DEVELOPER PROJECTS:

Bonsall Oaks (formally Polo Club): 165 SFR / 59.9 EDUs – A second amendment to and assignment and assumption of joint agreement to improve major subdivision Tract No. 4736-1 was made and entered on December 3, 2019 between the Developer, County of San Diego and RMWD. Plans for a construction change were submitted to the District and are currently under review by District Staff.

Fairview-Lilac Del Cielo (Bonsall LLC): 73 Units / 77.8 Sewer EDUs - The developer paid 50% of the sewer connection fees and the agreement is effective for five years from the date of execution (12/31/24). The construction contract was executed on October 30, 2020 and a Notice to Proceed was issued on December 30, 2020.

Golf Green Estates (Development Solutions): 94 SFR / 120.3 Sewer EDUs – Across from Bonsall Elementary School on Old River Road. Staff working with the developer on easement issues. Onsite punch list was prepared by staff. Contractor to complete items on the punch list. All water meters have been purchased - 97.

Horse Creek Ridge (D.R. Horton): 627 SFR/MF, 430 WMs (Reduced by 124 WMs) / 723.9 Sewer EDUs – On Highway 76 and Horse Ranch Creek Road. Currently inspecting meter installs, meter releases and sewer connections. All water meters have been purchased - 430.

Horse Creek Ridge Unit 6R5 Promontory (Richmond American Homes): 116 Units, 124 WMs (includes irrigation plus 3 SF meters purchased by DRH) / 169.5 Sewer EDUs - On Highway 76 and Horse Ranch Creek Road. D.R. Horton, master developer of HCR sold Unit 6-R5, 124 lots, Promontory Subdivision to Richmond American Homes. Currently the sewer EDUs are covered under an agreement with D.R. Horton. Staff inspecting meter installs, meter releases and sewer connections. All water meters have been purchased - 116.

Malabar Ranch (Davidson Communities): 31 SFR / 29 EDUs - On Via Monserate / La Canada. There are 17 out of 31 homes built. Developer needs to complete the waterline relocation and punch list items.

Meadowood (Pardee Homes): Approximately 850 Units / 501 SFR - On Pala Road/Horse Ranch Creek Road. The developer is grading the project now. The Board has entered an Out of Agency Service Agreement with the Developer. A formal Annexation by LAFCO is expected to be heard by the Commission at the January 2021 LAFCO meeting. Several Plan Reviews are currently in progress by District staff.

Ocean Breeze Ranch: The District completed the review of the water and sewer system analysis reports in November.

Pala Mesa Highlands (Beazer Homes): 124 SFR / 160.2 Sewer EDUs – On Old Highway 395. The PRS needs to be installed. Currently inspecting meter installs, meter releases and sewer connections. All water meters have been purchased - 129.

MINOR DEVELOPER PROJECTS:

Cal-A-Vie (Spa Havens) Water Main Extension on Spa Havens Way: District staff has completed three plan checks.

Carefield Senior Living: District staff has completed one plan check. Waiting on Developer response.

VNUIT Sewer Main Extension on Highway 76: District staff has completed five plan checks. Waiting on Developer response.

Monserate Winery: District staff has completed three plan checks. Staff is working with the Developer and

their Design Engineer regarding existing water meters and final plan check comments.

Walker Farm Road: District staff has completed one plan check. Waiting on Developer response.

Wiestling 198' Water Main Extension on West Lilac Road: The Board approved project acceptance of the improvements and to pay the Developer the difference of \$15,793.43 per Section 7a of the contract agreement for upsizing the pipe size at the December 8, 2020 Board Meeting. Staff sent the closeout documents and payment to the Developer on December 14, 2020. Staff is currently waiting on the Developer to complete and return the closeout documents for execution by staff.

OTHER:

ITEMS	NO#	ITEMS	NO#
Water Availability Letters	1	Water Meters Purchased	4
Sewer Availability Letters	1	Sewer EDUs Purchased	0
Water Commitment Letters	0	Jobs Closed:	
Sewer Commitment Letters	0	North River Road Sewer Points Repair	



Chad Williams
Acting District Engineer

1/26/2021

**AS-NEEDED CONTRACT EXPENDITURES REPORT
JANUARY 2021**

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	ASSIGN. DATES	DESCRIPTION	AUTHORIZED AMOUNT	NOT TO EXCEED AMOUNT	INVOICED TO DATE	CURRENT BALANCE
Title: As-Needed Land Surveying Services	NON-CIP	2019-01	Closed	5/14/2019	Topography - Dentro De Lomas Road repair.		\$ 5,115.40	\$ 5,115.40	
Firm: Johnson-Frank & Assoc.	NON-CIP	2019-02	Closed	8/6/2019	Easement review - McDowell / Mead.		\$ 4,100.00	\$ 1,404.25	
Expires: 8/29/2021 (C#18-16)		2020-03	Closed	9/19/2020	Survey & Reset Monument Los Alisos Lane.		\$ 6,079.00	\$ 4,297.76	
						\$ 50,000.00	\$ 15,294.40	\$ 10,817.41	\$ 39,182.59
Title: As-Needed Land Surveying Services	NON-CIP	2018-01	Closed	9/11/2018	Stake easement on Morro Hills due to 20" watermain failure.		\$ 7,280.00	\$ 7,278.75	
Firm: KDM Meridian, Inc.	CIP	2019-02	Closed	1/9/2019	RMWD "Base Map" to perform in-house design of proposed water facilities on Via Ararat.		\$ 5,800.00	\$ 5,800.00	
Expires: 8/29/2021 (C#18-14)	CIP	2019-03	Cancelled	---	Assignment Cancelled - 4 PTR Plottable Easements.		\$ -	\$ -	
	CIP	2019-04	Closed	4/24/2019	Stake easement on Gird Road for construction project.		\$ 5,400.00	\$ 5,400.00	
	CIP	2019-05	Closed	6/18/2019	Legal and Plat for Campbell - Via Ararat.		\$ 1,195.00	\$ 1,195.00	
	NON-CIP	2019-06	Closed	10/24/2019	Stake easement on Via Oeste Drive and Laketree Drive.		\$ 10,900.00	\$ 7,725.00	
	CIP	2019-07	Closed	11/8/2019	Easements for new PS on W. Lilac/Via Ararat.		\$ 4,100.00	\$ 1,100.00	
	NON-CIP	2020-08	Closed	4/6/2020	Linda Vista Drive - Mainline Break.		\$ 5,563.00	\$ 5,562.50	
	CIP	2020-09	Closed	4/6/2020	Gird Road - Winery easement anlysis and exhibit.		\$ 7,680.00	\$ 6,900.00	
	CIP	2020-10	Closed	9/1/2020	Additional Gird Road - Winery easement analysis and new exhibit.		\$ 5,320.00	\$ 5,320.00	
	CIP	2020-11	Closed	11/6/2020	Easement for Hialeah PRS - Via De La Reina.		\$ 3,990.00	\$ 2,545.00	
	NON-CIP	2020-12	Closed	12/3/2020	Stake easement - Winterhaven Court		\$ 4,490.00	\$ 3,527.50	
	NON-CIP	2020-13	Open	12/16/2020	Legal and Plat for Gird Road - Winery		\$ 5,460.00		
					Change Order 01 for \$50K	\$ 100,000.00	\$ 67,178.00	\$ 52,353.75	\$ 47,646.25
Title: As-Needed Land Surveying Services	NON-CIP	2019-00A	Closed	5/15/2019	Title Reports, Legals & Plats - Los Sicomoros.		\$ 7,705.00	\$ 7,705.00	
Firm: Right-of-Way Eng.	NON-CIP	2019-00B	Closed	6/18/2019	Adams Property Easement - Ranger Road.		\$ 1,885.00	\$ 1,885.00	
Expires: 8/29/2021 (C#18-15)	CIP	2019-00C	Closed	6/30/2019	Pardee Easement - North River.		\$ 2,875.00	\$ 2,875.00	
	NON-CIP	2019-01	Closed	6/19/2019	Easement Survey - Grove View Road.		\$ 4,220.00	\$ 3,285.00	
	CIP	2019-02	Closed	10/3/2019	Easement Survey - Pala Mesa/Tecalote/Fire Rd/Pala Lake.		\$ 15,640.00	\$ 15,451.30	
	CIP	2019-03	Closed	11/6/2019	Easement Survey - Moosa Creek Pump Station. Restake and reconfigure easement authorized additional \$525.		\$ 5,675.20	\$ 5,675.20	
	CIP	2020-04	Closed	2/19/2020	Lemonwood Easement Location.		\$ 5,370.00	\$ 4,390.00	
	CIP	2020-05	Closed	6/9/2020	Easement Survey - Hutton Pump Station.		\$ 5,687.50	\$ 4,577.50	
	CIP	2020-06	Closed	7/30/2020	Easement Survey - Rainbow Heights Rd - Calfire Camp Site .		\$ 5,756.00	\$ 4,177.60	
	CIP	2020-07	Closed	8/26/2020	Easement Survey - RHR - Calfire Camp Site Additional Services.		\$ 2,276.00	\$ -	
	CIP	2020-08	Closed	10/19/2020	Easement Survey - OHE Rancho Del Caballo.		\$ 1,620.00	\$ 1,445.00	
	CIP	2020-09	Closed	11/3/2020	Easement Survey - Rainbow Heights Rd. Westside - Calfire Camp Site.		\$ 11,521.00	\$ 8,449.20	
					Change Order 01 for \$50K	\$ 100,000.00	\$ 70,230.70	\$ 59,915.80	\$ 40,084.20
Title: As-Needed Civil Engineering Services	Both	2019-01	Closed	12/18/2019	PRS and other Schematic Design/Drafting Services.		\$ 10,000.00	\$ 7,527.50	
Firm: Dudek	CIP	2020-02	Closed	8/5/2020	Design of Hutton Pump Station Site - Assignment Cancelled.		\$ 1,787.50	\$ 1,787.50	
Expires: 6/25/2022 (C# 19-16)						\$ 150,000.00	\$ 11,787.50	\$ 9,315.00	\$ 140,685.00

**AS-NEEDED CONTRACT EXPENDITURES REPORT
JANUARY 2021**

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	ASSIGN. DATES	DESCRIPTION	AUTHORIZED AMOUNT	NOT TO EXCEED AMOUNT	INVOICED TO DATE	CURRENT BALANCE
Title: As-Needed Civil Engineering Services	NON-CIP	2019-01	Closed	7/16/2019	PS&E Pavement Repair - Dentro De Lomas.		\$ 8,890.00	\$ 8,890.00	
Firm: Omniss Consulting, Inc.	CIP	2019-02	Closed	8/1/2019	Olive Hill Estates Transmission Water Main.		\$ 73,700.00	\$ 73,700.00	
Expires: 7/01/2022 (C#19-17)	CIP	2019-03	Closed	10/14/2019	Vista Valley Retaining Wall Design.		\$ 23,495.00	\$ 23,040.67	
	CIP	2019-04	Closed	12/3/2019	Sarah Ann to Gird Road Force Main Replacement.		\$ 22,790.00	\$ 22,790.00	
	CIP	2020-05	Closed	3/24/2020	Gird Road Water Main Upsize.		\$ 21,120.00	\$ 21,120.00	
	CIP	2020-06	Open	8/5/2020	Caltrans Encroachment Permit Renewal.		\$ 6,410.00	\$ -	
	NON-CIP	2020-07	Open	10/14/2020	Standard Drawing - CAD Updates.		\$ 4,400.00	\$ -	
	NON-CIP	2020-08	Open	10/29/2020	PEIR Pipe Alignment Analysis.		\$ 19,920.00	\$ -	
					Change Order 01 for \$150K	\$ 300,000.00	\$ 180,725.00	\$ 149,540.67	\$ 150,459.33
Title: As-Needed Civil Engineering Services	CIP	2019-01	Open	12/18/2019	Live Oak Park Road Bridge Crossing.		\$ 42,020.00	\$ 27,145.00	
Firm: HydroScience Eng., Inc.									
Expires: 6/25/2022 (C#19-18)									
						\$ 150,000.00	\$ 42,020.00	\$ 27,145.00	\$ 122,855.00
Title: As-Needed Real Estate Appraisal Services	CIP	2019-01	Closed	9/19/2019	North River Rd Easement Appraisal.		\$ 3,500.00	\$ 3,500.00	
Firm: Anderson & Brabant, Inc.	CIP	2020-02	Closed	2/19/2020	PRS Fire Road Appraisal.		\$ 7,500.00	\$ 7,500.00	
Expires: 6/25/2022 (C# 19-19)						\$ 20,000.00	\$ 11,000.00	\$ 11,000.00	\$ 9,000.00
Title: As-Needed Real Estate Appraisal Services	NON-CIP	2019-01	Closed	7/15/2019	Bonsall Reservoir Appraisal (to include rent value).		\$ 3,050.00	\$ 3,050.00	
Firm: ARENS Group, Inc.	CIP	2020-02	Closed	1/7/2020	Moosa Creek Pump Station Easement Appraisal.		\$ 5,350.00	\$ 6,542.50	
Expires: 6/11/22 (C# 19-20)	CIP	2020-03	Closed	1/7/2020	Hutton Pump Station Easement Appraisal.		\$ 3,400.00	\$ 3,400.00	
						\$ 20,000.00	\$ 11,800.00	\$ 12,992.50	\$ 7,007.50
Title: As-Needed Geotechnical Services	CIP	2020-01	Closed	6/25/2020	Rainbow Heights Pump Station geotechnical exploration.		\$ 8,630.00	\$ 8,484.20	
Firm: Leighton Consulting, Inc.							\$ -	\$ -	
Expires: 11/13/2022 (C# 19-39)						\$ 100,000.00	\$ 8,630.00	\$ 8,484.20	\$ 91,515.80
Title: As-Needed Geotechnical Services	NON-CIP	2020-01	Closed	3/26/2020	Dentro De Lomas geotech observation and material testing.		\$ 6,518.00	\$ 1,369.00	
Firm: Ninyo & Moore G.E.S.		2020-02	Closed	8/6/2020	Vista Valley Villas PRS geotech observation and material testing.		\$ 10,235.00	\$ 4,079.00	
Expires: 11/1/2022 (C# 19-40)						\$ 100,000.00	\$ 16,753.00	\$ 5,448.00	\$ 94,552.00



**SEWER EQUIVALENT DWELLING UNITS (EDUs) STATUS REPORT
DECEMBER 2020**

STATUS SUMMARY	EDUs
Total Treatment Capacity Purchased from Oceanside	8,333.33
Less 5% Contractual Allowance	416.67
EDUs Set Aside by Board for Emergencies	60.00
EDUs Connected	5,115.92 *
EDUs Unconnected/Committed	208.72
Total EDUs Available for Purchase:	2,532.03

DEVELOPMENTS WITH UNCONNECTED/COMMITTED EDUs	EDUs	CAPACITY FEES PAID
Bonsall Oaks (Polo Club) - 165 Lots	59.85	\$ 1,038,336
Fairview (Bonsall Group) - 77.8**	38.90	\$ 549,499
Passarelle (HRC Commercial) - 96.57	96.57	\$ -
Others (5 or less)	13.40	\$ 225,449
TOTAL UNCONNECTED:	208.72	\$ 1,813,284

*There is a delay between connections and new account activations.

**Paid initial 50% of Sewer Capacity Fee.

BOARD OF DIRECTORS

JANUARY 26, 2021

SUBJECT

HUMAN RESOURCES REPORT FOR DECEMBER 2020/JANUARY 2021

DESCRIPTION

Personnel changes, human resources activities, and safety report for December 2020/January 2021

RECRUITMENT:

- **Engineering and CIP Manager** - We received a total of 18 applicants. Of the total applicants, 12 met minimum qualifications and have completed their assessments. Interviews for this position are tentatively scheduled for January 21.

EMPLOYEE EVENTS:

- **Virtual Gift Exchange via Elfster.com** – Our Annual Burrito Day/White Elephant Gift Exchange was yet another event that we had to cancel due to the COVID pandemic. Fortunately, we were still able to offer a fun and creative alternative to employees who were interested in voluntarily participating in a fun “virtual” gift exchange amongst our staff. Once registered through Elfster.com, the employees who participated were able to create wish lists with their selected items, as well as mail gifts to their secret recipients. The virtual gift exchange and Secret Elf reveals was held during our monthly Lunch Lounge Zoom meeting in December. We had 18 employees join the fun!

WORKFORCE DEVELOPMENT:

- **2020 Culture of Excellence Survey** - The District has been working with consulting firm, Civility Partners, over the last few years as we continue our ongoing journey towards a culture of excellence. In December, our Civility Partners deployed an updated employee survey to gauge our progress. In comparison to the same survey taken in 2018, we are pleased to see significant improvement.

COIN AWARDS:

- CARLOS RAMOS - PROFESSIONALISM (Honorable Mention)
- MARK WILSON – PROFESSIONALISM (Coin Award)
 - Comments received from customer *“We had a pipe break on the road outside our property at 530 Stewart Canyon Road on Friday and I want you to know your emergency team was on it working well into the night. I remember Carlos from a previous incident and he’s always helpful but I also want you to know Mark (came from Olivenhain district) was outstanding and went above and beyond to ensure our muddy driveway was cleaned up. Thank You again and congratulations on having good people representing you!”*

JANUARY 2021 RMWD Anniversaries:

- Claudia Ramirez, HR Assistant | January 10 – 2 years
- Alex Dagondon, Construction Utility Worker I | January 27 – 1 year
- Corynn Stalker, Customer Service Rep I | January 27 – 1 year
- Katherine Kilmer, Customer Service Rep I | January 27 – 1 year

COVID-19 RMWD MOBILE DEVICE APPS

- HR and IT partnered to develop four new COVID-19 District Apps to more easily record information related to symptoms, contacts, work locations, and possible COVID-19 hazards that employees may notice. These

apps are an essential piece to comply with new legislation related to COVID-19. For employees who do not have District devices, hyperlinks are available to access the apps through a browser.

- **Contact Tracking App:** This application will now make it as easy as possible to record your contacts from any mobile device, as they occur throughout the day.
- **Symptom Checker App:** While we have asked employees to self-monitor symptoms before reporting to work since March, we now have a Symptom Checker app that all employees will be required to complete at the beginning of their shift each day, before entering any District worksite.
- **Work Location App:** The Work Location App will allow us to provide courtesy notifications to other employees who were in the same place as a positive COVID-19 case during the high-risk infections period, even if they were never in direct contact with the positive employee.
- **Hazard Reporting App:** With the RMWD Hazard Reporting App, employees will now be able to quickly submit a COVID-19 hazard via an easily accessible app.

SAFETY:

Reportable Incidents

There were four lost time illnesses related to COVID-19 and zero lost-time or modified duty incidents not related to COVID-19.

Safety Training

Target Solutions online training: 85 completions for the Nov-Dec training period 2021

Future planning to increase safety awareness throughout the district to include:

COVID-19 Prevention Plan Development
Hazardous Communication
Hearing Protection Program Review

Claims in Progress/Completed

- DiMuzio 3688 Flowerwood Ln.
- Christopher 5253 Triple Crown Dr.

Tailgate/ Office Safety Trainings

Hearing Conservation



Karleen Harp, COSM
Human Resources Manager

01/26/2021



BOARD OF DIRECTORS

January 26, 2021

SUBJECT

FINANCE REPORT FOR DECEMBER 2020

DESCRIPTION

Summary:

FY 2020/2021 Water Sales:

Budgeted 13,500 AF

Actual OCT FYTD 20/21 7,211 AF

Actual OCT FYTD 19/20 6,719 AF

Actual OCT FYTD 18/19 7,814 AF

October FYTD 2020/2021 Budget vs Actual:

For FY 20/21, the board followed the recommendation of staff and committee to budget future sales lower and more in line with the most recent years' trends at 13,500 AF for FY 20/21, with operating expenses being budgeted within this lower operating revenue level as well.

Treasury Report:

Interest Revenue for October 2020 was \$28,381 compared to \$29,108 for the prior month. Gains from assets sales were \$0 for October 2020. Investment valuation was down \$24,672 from the prior month and \$165,859 over the prior year.

Water Purchases & Water Sales:

The Five-Year Water Purchases Demand Chart (Attachment D) reports purchases; this data is available in real time. The Water Sales Summary Report (Attachment E) represents water that was billed to customers, so the data is time delayed in comparison to the Five-Year Water Purchases Demand Chart. Water Loss from meter inaccuracy and breaks is also not included in the Five-Year Demand Chart since this data is from purchases. These two reports will not correlate unless they are both presented for the same date; we provide the purchases report in real time to provide the board with the most current demand information available.

Attachments:

- A. Budget vs Actuals (OCT FYTD 20/21)
- B. Fund Balance Projections
- C. Treasury Report (OCT FY 20/21)
- D. Five-Year Water Purchases Demand Chart (through 12/1/2020)
- E. Water Sales Summary (OCT FY 20/21)
- F. Check Register (OCT FY 20/21)
- G. Directors' Expense Report (OCT FY 20/21)
- H. Credit Card Breakdown (OCT FY 20/21)
- I. Developer Projections
- J. RMWD Properties


Tracy Largent, CPA
Finance Manager

January 26, 2021

Statement of Revenues & Expenses Budget vs. Actual

Operating Funds (Water, Wastewater, & General Funds)

October 31, 2020



Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
Operating :						
41110-Water Sales-SF, MF, CM, IS	4,193,301	2,512,788	1,680,514	67%	7,538,364	
41112-Sewer Charges-Established Acct	1,015,932	1,064,885	-48,953	-5%	3,194,655	
42120-Monthly O & M Charges	2,717,758	2,796,112	-78,354	-3%	8,388,335	
42121-Monthly O&M Charges - CWA	1,624,034	1,719,233	-95,199	-6%	5,157,699	
43101-Operating Inc Turn On/Off Fees	0	1,667	-1,667	-100%	5,000	
43106-Operating Inc-Sewer Letter Fee	450	333	117	35%	1,000	
41120-Water Sales-Ag-Dom Non Cert	617,360	356,851	260,509	73%	1,070,554	
41160-Water Sales-Ag. Non Discount	1,849,584	1,343,823	505,761	38%	4,031,470	
41170-Water Sales-Construction	224,557	32,481	192,076	591%	97,442	
41180-Water Sales - Tsawr Com	2,754,538	1,276,118	1,478,421	116%	3,828,353	
41190-Water Sales-Sawr Ag/Dom	1,866,975	1,729,908	137,068	8%	5,189,723	
42130-Readiness-To-Serve Rev Id#1	3,302	83,333	-80,031	-96%	250,000	
42140-Pumping Charges	311,655	202,771	108,884	54%	608,312	
-Water Sales	17,179,446	13,120,302	4,059,144	31%	39,360,905	
43100-Operating Inc Oak Crest Service Charges	7,800	7,800	0	0%	23,400	
43102-Operating Inc Penalty/Int Chgs	188,963	16,667	172,297	1034%	50,000	
43104-Operating Inc. R.P. Charges	81,699	81,888	-189	0%	245,665	
43108-Operating Inc Plan Check Rev.	47,339	18,333	29,006	158%	55,000	
43110-Operating Inc Inspections	4,332	6,667	-2,335	-35%	20,000	
43111-Operating Inc Install Fees Hyd	1,840	667	1,173	176%	2,000	
43114-Operating Inc-Miscellaneous	0	2,333	-2,333	-100%	7,000	
43116-New Meter Sales/Install Parts	19,035	13,333	5,702	43%	40,000	
43117-Notice Delivery Revenue	0	1,667	-1,667	-100%	5,000	
-Other Operating Revenue	351,009	149,355	201,654	135%	448,065	
42200-Overhead Trs From Water Sewer	2,674,808	2,674,808	0	0%	8,024,423	
-Transfers from Water & Waste Water	2,674,808	2,674,808	0	0%	8,024,423	
REVENUE-Operating Revenue	20,205,263	15,944,464	4,260,798	27%	47,833,393	

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
50001-Water Purchases	7,958,234	5,676,988	2,281,247	40%	17,030,963	Seasonal
50003-Water In Storage	-397,492	0	-397,492		0	
50005-Ready To Serve Charge	123,452	166,260	-42,809	-26%	498,780	
50006-Infrastructure Access Charge	161,022	231,648	-70,626	-30%	694,944	
50008-Ag Credit-Sawr	-515,933	-336,574	-179,359	53%	-1,009,721	
50010-Customer Service Charge	277,280	369,708	-92,428	-25%	1,109,124	
50011-Capacity Reservation Charge	98,973	139,978	-41,005	-29%	419,934	
50012-Emergency Storage Charge	419,027	534,460	-115,434	-22%	1,603,380	
50013-Supply Reliability Charge	232,507	325,640	-93,133	-29%	976,920	
-Cost of Purchased Water Sold	8,357,070	7,108,108	1,248,961	18%	21,324,324	
56101-Regular Salaries	1,468,347	1,754,332	-285,984	-16%	5,262,995	
56103-Overtime Paid Comptime Earn.	151,048	118,333	32,715	28%	355,000	
56202-Director's Compensation	2,250	4,667	-2,417	-52%	14,000	
56518-Duty Pay	11,550	14,867	-3,317	-22%	44,600	
56520-Deferred Comp-Employer Contrib	46,327	46,828	-501	-1%	140,485	
-Salary & Labor Expenses	1,679,523	1,939,027	-259,504	-13%	5,817,080	
56501-Employer's Share FICA SSI	73,220	100,588	-27,367	-27%	301,763	
56502-Employer's Share Medicare	23,291	25,505	-2,215	-9%	76,516	
56515-Worker's Compensation Ins	158,510	48,213	110,297	229%	144,640	Entire Year Paid in July
56516-State Unemployment Ins E.T.T.	464	4,406	-3,942	-89%	13,217	
-Taxes	255,486	178,712	76,773	43%	536,136	
56503-Medical Ins ACWA Health Ben	297,784	308,349	-10,565	-3%	925,046	
56504-Dental Insurance	27,895	29,084	-1,189	-4%	87,252	
56505-Vision Ins ACWA	4,009	3,877	132	3%	11,631	
56506-Life S/T L/T Disability Ins	21,955	18,277	3,677	20%	54,832	
56507-Retirement-CalPERS	157,195	186,395	-29,200	-16%	559,186	
56511-Employee Uniform Allowance	6,508	8,333	-1,826	-22%	25,000	
56512-Employee Training/Tuition Reim	9,510	7,200	2,310	32%	21,600	
56513-Employee Relations	1,480	4,867	-3,387	-70%	14,600	
56524-Other Post Employment Benefits	5,216	0			0	
56530-Gasb 68 Pension	552,048	143,333	408,715	285%	430,000	Entire Year Paid in July
-Fringe Benefits	1,083,599	709,716	373,883	53%	2,129,147	
52176-Overhead Transfer To Gen Fund	2,674,808	2,674,808	0	0%	8,024,423	
-Transfers	2,674,808	2,674,808	0	0%	8,024,423	
60000-Equipment	14,241	31,333	-17,093	-55%	94,000	

Attachment A

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
60100-Computers	50,003	34,013	15,990	47%	102,040	
63100-Equipment Maintenance	59,556	58,200	1,356	2%	174,600	
63102-Equipment Maintenance Contract	13,271	19,408	-6,137	-32%	58,225	
63200-Equipment Rental	26,594	39,000	-12,406	-32%	117,000	
63400-Kitchen Supplies	3,656	4,667	-1,011	-22%	14,000	
63401-Building Maintenance	35,878	45,400	-9,522	-21%	136,200	
63404-Backflow Expenses	29,077	50,167	-21,089	-42%	150,500	
63421-Fuel And Oil	41,909	46,667	-4,758	-10%	140,000	
63422-Repair Supplies Auto	21,732	23,333	-1,601	-7%	70,000	
65000-Property/Liability Insurance	401,242	133,333	267,909	201%	400,000	Entire Year Paid in July
65100-District Paid Insurance Claims	140,075	96,667	43,408	45%	290,000	
65200-Miscellaneous Expense	-900	0	-900		0	
66000-Bad Debt Exp/Billing Adjust'S	0	1,667	-1,667	-100%	5,000	
69000-Postage	11,806	15,500	-3,694	-24%	46,500	
70000-Professional Services	262,553	310,400	-47,847	-15%	931,200	
70100-Annual Audit Services	0	11,667	-11,667	-100%	35,000	
70300-Legal Services	110,007	150,000	-39,993	-27%	450,000	
70400-Bank Service Charges	29,368	16,667	12,701	76%	50,000	
72000-Supplies & Services	336,734	412,933	-76,200	-18%	1,238,800	
72001-Right Of Way Expenses	128,902	66,667	62,236	93%	200,000	
72010-Tank Maintenance	198,276	288,167	-89,891	-31%	864,500	
72150-Regulatory Permits	4,103	25,867	-21,764	-84%	77,600	
72200-Books & Resources	570	767	-197	-26%	2,300	
72400-Dues & Subscriptions	69,788	204,924	-135,137	-66%	614,773	
72500-Safety Supplies	30,826	13,833	16,993	123%	41,500	
72600-Sewer Line Cleaning	4,835	19,333	-14,498	-75%	58,000	
72700-Printing & Reproductions	1,536	4,667	-3,131	-67%	14,000	
72702-Public Notices & Advertising	358	733	-375	-51%	2,200	
72900-Stationary & Office Supplies	1,295	1,667	-371	-22%	5,000	
73000-Small Tools & Equipment	20,320	16,267	4,054	25%	48,800	
74000-Communicatons & Phone Bills	837	2,833	-1,996	-70%	8,500	
74100-Phone Bill	35,453	31,000	4,453	14%	93,000	
75300-Travel, Conferences & Training	1,090	13,997	-12,906	-92%	41,990	
75400-Workforce Development	4,779	1,100	3,679	334%	3,300	
75500-Recruitment	2,111	6,267	-4,155	-66%	18,800	

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
77000-Sewage Treat.-Oceanside Plant	0	350,000	-350,000	-100%	1,050,000	
78000-Utilities - Electricity	182,442	194,167	-11,725	-6%	582,500	
78300-Hazardous Waster Material Disposal	4,380	4,000	380	10%	12,000	
78700-Utilities - Propane	504	5,167	-4,662	-90%	15,500	
78900-Trash Pick-Up	4,069	3,583	485	14%	10,750	
-Other Operating Expenses	2,283,275	2,756,026	-472,751	-17%	8,268,078	
EXPENSE-Operating Expense	16,333,760	15,366,396	967,364	6%	46,099,188	
Operating Revenue (Expenses)	3,871,503	578,068	3,293,434	570%	1,734,205	
Non Operating :						
49301-Property Tax Rev. - Ad Valorem	25,103	151,667	-126,564	-83%	455,000	
-Property Tax Revenue	25,103	151,667	-126,564	-83%	455,000	
49200-Interest Revenues	-5	0	-5			
-Investment Income	-5	0	-5			
49050-Revenue Billing Adjustments	21,316	0	21,316		0	
49106-Other Intergovernmental - State	0	1,000	-1,000	-100%	3,000	
49107-Recycling Revenue	0	2,667	-2,667	-100%	8,000	
49109-Miscellaneous Revenue	47,137	12,000	35,137	293%	36,000	
49114-Misc Revenue - Eng. Services	1,950	1,667	283	17%	5,000	
57050-Expense Billing Adjustments	20,884	0	20,884		0	
57525-Loan Costs	0	0	0			
-Other Nonoperating Revenue/Expense	49,519	17,333	32,186	186%	52,000	
-Non Operating Revenue (Expenses)	74,616	169,000	-94,384	-56%	507,000	
Debt Service		791,609	-791,609	-100%	2,374,827	
Current Year Net Revenue Less Expense*	\$ 3,946,119				\$ (133,622)	

*Does not Include: Depreciation Expense

Operating & Debt Service Fund Balance

Current Year

FY21 Beginning Cash

\$5,917,191

Fund Balances:	Water Operating	Wastewater Operating	General Operating	Rate Stabilization	Debt Service	TOTAL
	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21
Beginning Available Balance	\$286,838	\$1,489,894	\$1,122,838	\$3,603,760	\$664,639	\$7,167,969
Transfer to Water Capital				(3,603,760)		(3,603,760)
Transfer to/from Rate Stabilization						0
Budgeted Operating Surplus (Loss)	100,547	(234,170)	8,159,423		(2,447,793)	5,578,007
Transfers In/(Out)			(8,159,423)		2,447,793	(5,711,630)
Projected Ending Available Balance	\$387,385	\$1,255,724	\$1,122,838	(\$0)	\$664,639	\$3,430,586

Water Capital Fund Balance

Fund 26 & 60

FY21 Beginning Cash

\$2,340,919

Fund Balances:	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	\$1,497,755	(\$3,312,104)	(\$5,765,151)	(\$3,880,905)
Transfer From Rate Stabilization	3,603,760			
Financing		5,000,000		
Transfer from Operating Reserves		3,349,172	4,809,246	4,018,854
Capacity Fees Current Year				
Less: Capital Labor	(300,000)	(300,000)	(300,000)	(300,000)
Less: Capital Project Budgets	(8,113,619)	(10,502,219)	(2,625,000)	(7,512,000)
Projected Worst Case Ending Available Balance	(\$3,312,104)	(\$5,765,151)	(\$3,880,905)	(\$7,674,050)
Forecasted Capacity Fees	2,069,801	3,265,916	1,653,761	7,031,084
Potential Ending Available Balance	(\$1,242,303)	(\$429,434)	\$3,108,573	\$6,346,512

Capital Project Budgets (Water):

		Project Budgets					
#	Project Name	Actuals	Budget	YTD Actuals	Budget	Budget	Budget
		FY 19/20	FY 20/21	as of 11/19/2020 FY 20/21	FY 21/22	FY 22/23	FY 23/24
300007	Programatic EIR for Existing Easements	\$36,236	\$450,000	\$29,736			
300008	New District Headquarters	25,457	200,000	35,848	300,000	300,000	2,000,000
600000	Highway 76 Water Upsize			9,436			
600001	Rainbow Heights PS (#1) Upgrades/Recon.	85,390	1,303,698	442,266	1,303,699		
600002	Gird to Monserate Hill Water Line						1,400,000
600003	San Luis Rey Imported Return Flow Recovery	15,586					600,000
600007	Pressure Reducing Stations	919,844	750,000	295,437	800,000	250,000	800,000
600008	Weese WTP Permanent Emergency Interconnect and P	156	500,000	2,187	1,250,000		
600009	Isolation Valve Installation Program	28,433	150,000	10,488			
600013	SDCWA Shutdown Pump Stations	37,583		35,450			
600014	Morro Tank Zone Permanent FPUD Interconnection					150,000	
600015	Water Condition Assessment	72,983		32,446			
600017	Pressure Reducing Station Replacement Program (Reha	578	300,000	82,882			
600019	Water System Monitoring Program	62,481		10,096		1,000,000	
600021	Pipeline Upgrade Project 1 (PUP 1)	132,486	3,250,000	53,866	1,000,000		
600024	Meters for Developments			59,899			
600026	Camino Del Rey Waterline Reloaction	8,925		15	2,100,000		
600029	Via Ararat Drive Waterline Project	280,121		45			
600030	Corrosion Prevention Program Development and Imple	196,774	250,000	9,077	250,000	250,000	250,000
600031	Olive Hill Estates Transmission Line Reconnection	140,915	1,500,000	1,069,241			
600032	Gird to Ocean Breeze North County Connection			12			
600034	Rice Canyon Tank Transmission PL to I-15/SR76 Corridor		1,000,000	38,615	3,000,000		
600035	Tank and Reservoir Mixing Upgrades		250,000	465	1,500,000		
600036	Pipeline Upgrade Project 2 (PUP 2)	65,434		221,348			3,000,000
600037	Live Oak Park Road Bridge Replacement	18,891		782	600,000		
600038	Blue Breton Water System Looping Project		370,000		400,000		
600039	Sarah Ann Gird SS Forcemain	11,583		12,105			
600040	Vallecitos PS Relocation		530,000	780	500,000		
600042	Via Vera & West Lilac Water Pipeline Improvements			581			
600044	Sagewood Road Water Pipeline Improvements			1,285			
600045	Gopher Canyon Water Pipeline Improvements			411			
600046	Sampling Ports for testing		25,000				
600047	Generator at Sumac					250,000	
600048	Northside Zone Supply Redundancy						500,000
600049	Gomez PS Building		250,000		750,000		
600050	Lookout Mountain Electrical Upgrade. The Complete electrical upgrade w/emerg. generator					250,000	750,000
600051	North Feeder and Rainbow Hills Water Line Replacements				150,000	1,850,000	
600052	76 & Gird Permanent Emergency Pump Station					75,000	725,000
600053	Rice Road Wter Main Repair New 200' Pipe			6,594			
600055	Pipe Lining			373			
600056	Hutton Pump Station		580,000		800,000		
600057	Turner Pump Station		580,000		800,000		
600058	Electrical Panel Switches						
610032	Beck Dam Inundation Map	27,959		61			
610036	Dentro de Lomas Repair	169,330		280			
N/A	Department Level Capital Expenses		559,000				
	Mission Road / FPUD Interconnect						70,000
	Northside Permanent FPUD Emergency Interconnection						150,000
	Pala Mesa Fairways 383 A and C		250,000				
	Sarah Ann Drive Line 400 A		375,000				
	Wilt Road (1331)				500,000		
	Katie Lendre Drive Line				250,000		
	Gird Road 1,600' upsize from 12" to 18" or larger		100,000		1,000,000		
	Katie Lendre Drive Line				250,000		
	Del Rio Estates Line Ext 503						250,000
	East Heights Line 147L						500,000
	Los Alisos South 243						500,000
	East Heights Line 147A						250,000
	Via Zara						125,000
	Roy Line Ext						250,000
	Spanish Oaks						400,000
Total		\$2,337,146	\$13,522,698	\$2,462,106	\$17,503,699	\$4,375,000	\$12,520,000
	@60%		\$8,113,619		\$10,502,219	\$2,625,000	\$7,512,000

Water Service Upgrade Project Fund Balance

FY21 Beginning Cash
 \$ 7,261,642

Fund Balances:	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	\$7,168,951	\$3,068,951	\$ (131,049)	\$ (131,049)
Less: Meter Replacement/Upgrade Project	(4,100,000)	(3,200,000)	0	0
Projected Fund Balance	\$3,068,951	\$ (131,049)	\$ (131,049)	\$ (131,049)

Capital Project Budgets:

		Project Budgets					
GL Project #	Project Name	Actuals	Budget	YTD Actuals	Budget	Budget	Budget
		FY 19/20	FY 20/21	as of 11/19/2020 FY 20/21	FY 21/22	FY 22/23	FY 23/24
600027	Service Meter Replacement	\$3,403,236	\$1,300,000	\$145,448	\$1,400,000		
600028	Water Service Upgrade	497,891	2,800,000	515,636	1,800,000		
Total		\$3,901,128	\$4,100,000	\$661,084	\$3,200,000	\$ -	\$ -

Wastewater Capital Fund Balance

Fund 52 & 53 FY21 Beginning Cash
\$13,486,918

Fund Balances:	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	13,696,383.91	\$8,196,384	(\$1,103,616)	(\$1,528,616)
Restricted CFD Funds* Financing	2,750,000			
Sewer Connections Current Year				
Less: Capital Project Budgets	(8,250,000)	(9,300,000)	(425,000)	(850,000)
Projected Worst Case Ending Available Balance	\$8,196,384	(\$1,103,616)	(\$1,528,616)	(\$2,378,616)
Forecasted Sewer Connections	7,421,800	6,003,550	42,378	8,958,709
Potential Ending Available Balance	\$15,618,184	\$12,321,734	\$11,939,112	\$20,047,822

*Restricted Cash amounts are available for drawdown throughout the specified Capital Project process.

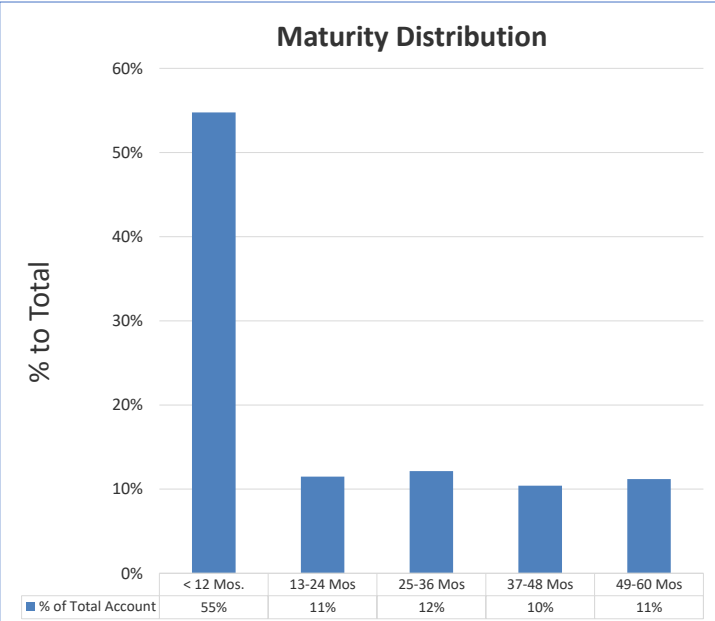
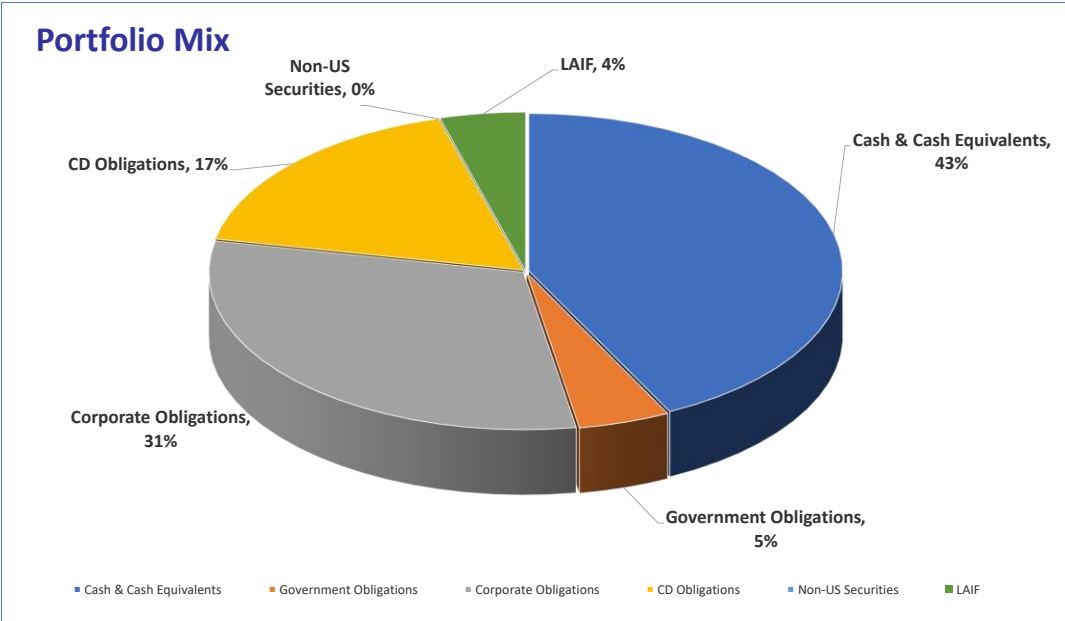
Capital Project Budgets (Wastewater):

		Project Budgets					
GL Project #	Project Name	Actuals	Budget	YTD Actuals	Budget	Budget	Budget
		FY 19/20	FY 20/21	as of 11/19/2020 FY 20/21	FY 21/22	FY 22/23	FY 23/24
530000	Highway 76 East - Sewer Upsize			\$ 543			
530001	School House Lift Station (#1) Replacement, San Luis Rey Interceptor from Mission to Thoroughbred LSEQ, and San Luis Rey Interceptor/Main From School House LS to Old River LS & Thoroughbred LS/EQ	37,849	3,000,000	65,968	6,000,000		
530006	Sewer System Rehabilitation Program		100,000		100,000	100,000	100,000
530015	Sewer System Condition Assessment Program		300,000	1,118			
530016	Sewer Lining Project	27,925		609			
530017	N River Road Land Outfall Rehabilitation (Operations Project)		2,500,000	549,865			
530018	Fallbrook Oaks Forcemain and Manhole Replacement		300,000	239			
530019	CIPP 500' of line 8" VCP line near Pala Mesa/Palomar						
530020	Rancho Viejo LS Wet Well Expansion						150,000
530021	Almendra Court, I-15 Crossing Sewer Rehabilitation		40,000				
530022	Fallbrook Oaks LS Rehabilitation						400,000
530023	Replace Rancho Monserate LS Emergency Generator					125,000	
530024	Old River Road LS Equalization Basin		1,000,000		2,500,000		
530025	Old River Road LS to Stallion Outfall Repair		500,000		500,000		
800016	North River Road Sewer Line Replacement	129,709		22,714			
N/A	Department Level Capital Expenses		310,000				
NA	City of Oceanside WW Plant		200,000		200,000	200,000	200,000
Total		\$ 195,484	\$ 8,250,000	\$ 640,513	\$ 9,300,000	\$ 425,000	\$ 850,000

RAINBOW MUNICIPAL WATER DISTRICT
 TREASURER'S MONTHLY REPORT OF INVESTMENTS
 PORTFOLIO SUMMARY
 10/31/2020



TYPE	ISSUER	CUSIP	Bond Rating	Date of Maturity	Par Value	Cost Basis	Market Value*	Interest Rate	Yield to Maturity	Semi-Annual Interest	Days to Maturity	Object
Money Market Funds	JP MORGAN MONEY MARKET Trust	48125C068S	N/A		\$ 1,167,954	\$ 1,167,954					0	11508
		Willimington Trust			\$ 2,750,000	\$ 2,750,000					0	10301
Money Market Funds	Zions Bank	7326251D			\$ 629,111	\$ 629,111		2.090%			0	10310
Money Market Funds	Zions Bank	7326250			\$ 4,990,682	\$ 4,990,682		2.060%			0	10311
Money Market Funds	Zions Bank	7326251E			\$ 1,642,174	\$ 1,642,174		2.090%			0	10309
Total Cash & Cash Equivalents					\$ -	\$ 11,179,921	\$ 11,179,921					
Non-Callable	FEDERAL HOME LOAN BANK BONDS	3130AD4X7	Aaa	12/11/20	\$ 500,000	\$ 494,905	\$ 501,025	2.000%	2.400%	\$ 4,949	41	11508
Non-Callable	FEDERAL FARM CR BKS	3133EHRU9	Aaa	07/19/22	\$ 200,000	\$ 200,938	\$ 205,854	1.900%	1.800%	\$ 1,909	626	11508
Non-Callable	FEDERAL HOME LOAN BANKS	3130ADRG9	Aaa	03/10/23	\$ 500,000	\$ 501,990	\$ 529,880	2.670%	2.660%	\$ 6,702	860	11508
Total Government Obligations					\$ 1,200,000	\$ 1,197,832	\$ 1,236,759					
Make Whole	CITIBANK NA	17325FAQ1	Aa3	07/23/21	\$ 475,000	\$ 486,623	\$ 484,538	3.400%	2.150%	\$ 8,075	265	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 308,000	\$ 315,377	\$ 319,180	3.150%	1.900%	\$ 13,860	517	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 290,400	\$ 297,355	\$ 300,942	3.150%	1.900%	\$ 13,860	517	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 281,600	\$ 288,344	\$ 291,822	3.150%	1.900%	\$ 13,860	517	11508
Non-Callable	WELLS FARGO	95000U2B8	A2	07/22/22	\$ 980,000	\$ 989,232	\$ 1,015,055	2.610%	2.410%	\$ 12,909	629	11508
Callable 10/1/22	PNC BK N A PITTSBURG PA	69349LAG3	A3	11/01/22	\$ 980,000	\$ 999,179	\$ 1,022,973	2.700%	2.065%	\$ 13,489	731	11508
Bullet	BANK OF AMERICA CORP	06051GEU9	A2	01/11/23	\$ 475,000	\$ 490,794	\$ 503,581	3.300%	2.300%	\$ 7,838	802	11508
Bullet	TOYOTA MOTOR CREDIT CORP	89236TDW2	A1	04/17/24	\$ 500,000	\$ 532,175	\$ 536,495	2.900%	1.200%	\$ 7,250	1264	11508
Bullet	JP MORGAN CHASE AND CO	46625HJX98	A2	05/13/24	\$ 930,000	\$ 981,522	\$ 1,025,232	3.625%	2.400%	\$ 16,856	1290	11508
Stepped/CBLE 2/28/25	WELLS FARGO & CO	95001D5X4	A2	02/28/25	\$ 850,000	\$ 858,075	\$ 843,472	2.050%	2.060%	\$ 8,713	1581	11508
Callable 4/12/25	US BANCORP	91159HHZ6	Aae	05/12/25	\$ 250,000	\$ 251,780	\$ 257,655	1.450%	1.300%	\$ 1,813	1654	11508
Callable 9/10/25	AMERICAN HOND FIN CORP MTN	02665WDN8		09/10/25	\$ 500,000	\$ 506,050	\$ 501,380	1.000%	1.300%	\$ 2,500	1775	11508
Callable 9/30/23	CITIGROUP INC	17298CKE7	A3	09/30/23	\$ 1,000,000	\$ 1,000,000	\$ 995,450	1.000%	1.000%	\$ 5,000	1064	11508
Total Corporate Obligations					\$ 7,820,000	\$ 7,996,505	\$ 8,097,774					
FDIC Ins. CD	DISCOVER BANK	254672F29	N/A	08/10/21	\$ 248,000	\$ 248,000	\$ 250,783	1.520%	1.500%	\$ 1,885	283	11508
FDIC Ins. CD	WELLS FARGO BANK NATL ASSN	949763AF3	N/A	08/17/21	\$ 98,000	\$ 98,000	\$ 99,158	1.570%	1.550%	\$ 769	290	11508
FDIC Ins. CD	WELLS FARGO BANK NATL ASSN	949763AF3	N/A	08/17/21	\$ 150,000	\$ 150,000	\$ 151,773	1.570%	1.550%	\$ 1,178	290	11508
FDIC Ins. CD	MB FINL BK NA CHIC IL	55266CZJ8	N/A	11/18/21	\$ 247,000	\$ 247,000	\$ 254,217	2.810%	2.850%	\$ 3,470	383	11508
FDIC Ins. CD	FLAGSTAR BK FSB TROY MICH	33847E2K2	N/A	06/13/22	\$ 245,000	\$ 246,749	\$ 254,305	2.440%	2.200%	\$ 3,010	590	11508
FDIC Ins. CD	GOLDMAN SACHS BK USA NY	38148PKT3	N/A	06/14/22	\$ 245,000	\$ 245,000	\$ 253,923	2.340%	2.350%	\$ 2,867	591	11508
FDIC Ins. CD	CAPITAL ONE NATL ASSN VA	14042RKL4	N/A	11/22/22	\$ 250,000	\$ 250,000	\$ 261,680	2.400%	2.400%	\$ 3,000	752	11508
FDIC Ins. CD	MORGAN STANLEY	61747MF63	N/A	01/11/23	\$ 246,000	\$ 246,000	\$ 259,562	2.630%	2.650%	\$ 3,235	802	11508
FDIC Ins. CD	BMW BANK NORTH AMER	05580AMB7	N/A	03/29/23	\$ 240,000	\$ 240,000	\$ 255,869	2.860%	2.900%	\$ 3,432	879	11508
FDIC Ins. CD	SALLIE MAE BK SLT LAKE CITY	795450M44	Aaa	04/11/23	\$ 240,000	\$ 240,000	\$ 256,385	2.900%	2.950%	\$ 3,480	892	11508
FDIC Ins. CD	CAPITAL ONE BANK (USA) NAT	1402TAW7	N/A	06/19/24	\$ 245,000	\$ 245,000	\$ 265,048	2.520%	2.500%	\$ 3,087	1327	11508
FDIC Ins. CD	MORGAN STANLEY PVT BK PURCHA	61760AL49	N/A	06/24/24	\$ 245,000	\$ 245,000	\$ 262,924	2.290%	2.250%	\$ 2,805	1332	11508
FDIC Ins. CD	FIRST NATL BK MCGREGOR TEX	32112UDA6	N/A	06/28/24	\$ 249,000	\$ 250,743	\$ 270,158	2.300%	2.150%	\$ 2,884	1336	11508
FDIC Ins. CD	MERRICK BK SOUTH JORDAN UTAH	59013KBV7	N/A	07/31/24	\$ 249,000	\$ 249,000	\$ 267,175	2.200%	2.200%	\$ 2,739	1369	11508
FDIC Ins. CD	HSBC BK USA NATIONAL ASSN	44329MBF9	NA	11/04/24	\$ 247,000	\$ 247,000	\$ 247,072	2.125%	2.125%	\$ 2,624	1465	11508
FDIC Ins. CD	SYCHRONY BK RETAIL	87165FZD9	NA	04/17/25	\$ 248,000	\$ 252,712	\$ 260,626	1.450%	1.050%	\$ 1,832	1629	11508
FDIC Ins. CD	BMO HARRIS BY NATL CHIC	05581W7S8	NA	05/28/25	\$ 210,000	\$ 210,000	\$ 210,213	0.750%	0.750%	\$ 788	1670	11508
FDIC Ins. CD	STATE BK INDIA CHICAGO ILL	856283N69	NA	06/26/25	\$ 248,000	\$ 252,166	\$ 252,226	0.950%	0.940%	\$ 1,198	1699	11508
FDIC Ins. CD	JPMORGAN CHASE BK NA COLUMBU	48128UHS1	NA	07/31/25	\$ 249,000	\$ 249,000	\$ 249,306	0.550%	0.550%	\$ 685	1734	11508
Total CD Obligations					\$ 4,399,000	\$ 4,411,371	\$ 4,582,402					
Total Non-US Securities					\$ -	\$ -	\$ -					
Subtotal Long Term Pooled Investment	Local Agency Investment Fund (LAIF)**	1.004114534			\$ 13,419,000	\$ 24,785,629	\$ 25,096,857					
					\$ 2,092,429	\$ 1,142,429				\$ -		13103
Portfolio Totals					\$ 26,878,058	\$ 26,239,285						



This monthly report accurately reflects all District pooled investments. It is in conformity with the Investment Administrative code section 5.03.080. The District has sufficient cash flow to meet six months of obligations. This is in effect is in compliance with the current Investment Policy.

Tracy Largent

11/25/2020

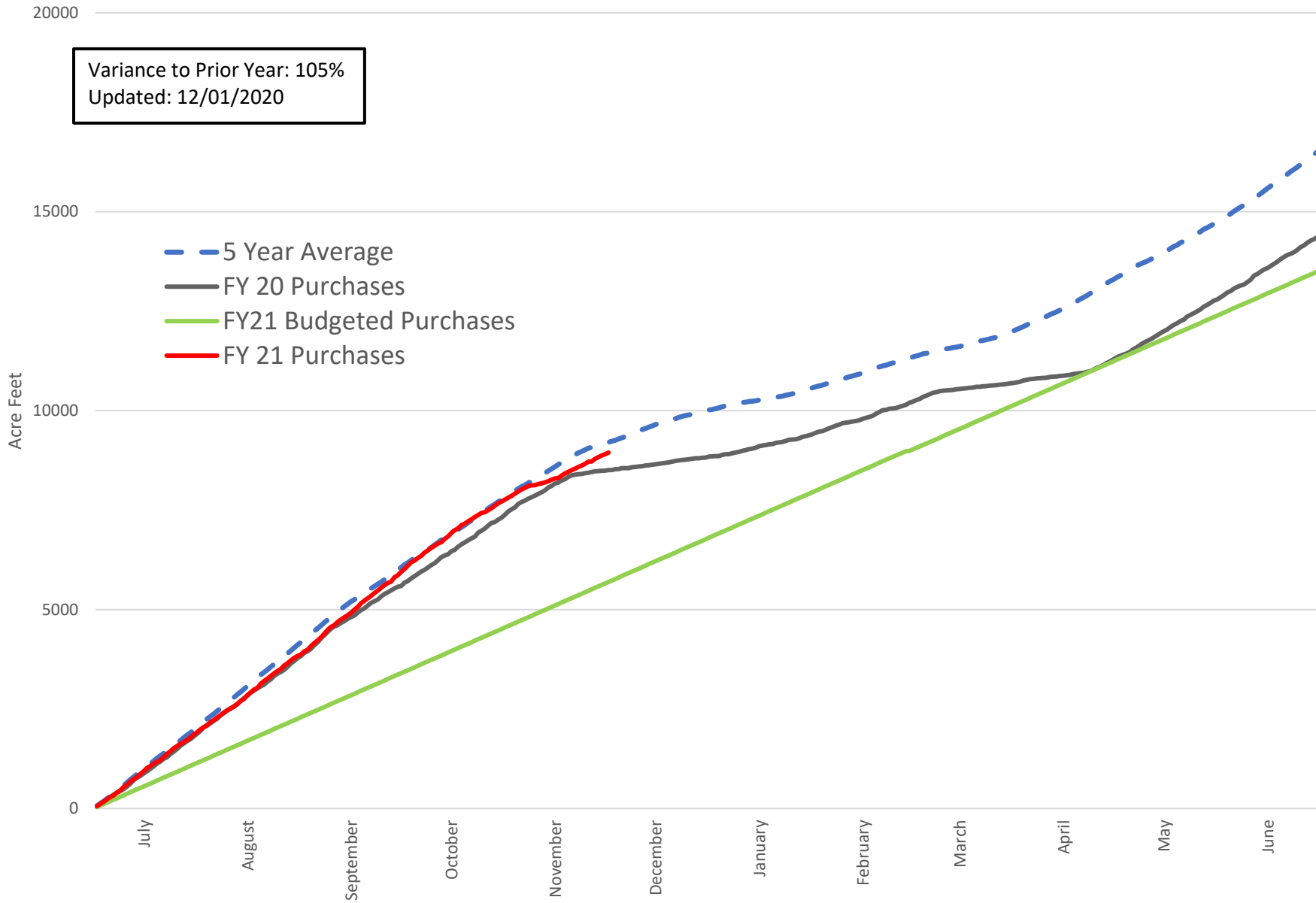
Tracy Largent, Treasurer

*Source of Market Value - MUFG monthly statements

**Source of LAIF FMV - CA State Treasurer Pooled Money Investment Account @ <https://www.treasurer.ca.gov/pmia-laif/reports/valuation.asp>

System Demands Comparison Chart

Variance to Prior Year: 105%
Updated: 12/01/2020



Comparative Water Sales YTD from Prior Years

FISCAL YEAR 2020-2021

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
553	AD	34,763	39,406	46,230	42,207									373
400	AG	109,886	131,840	137,233	129,665									1,168
267	CM	43,615	49,777	48,946	49,458									440
19	CN	6,330	12,547	10,164	14,041									99
21	IS	2,513	2,972	3,359	3,231									28
114	MF	14,151	14,484	14,090	14,996									133
323	SC	137,945	133,502	160,919	156,961									1,353
1021	SD	186,337	204,966	223,721	227,262									1,934
5536	SF	169,793	186,711	189,918	187,388									1,685
8254	Total	705,333	776,205	834,580	825,209	-	-	-	-	-	-	-	-	7,211

FISCAL YEAR 2019-2020

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
553	AD	28,018	36,530	36,506	32,640									307
400	AG	113,285	139,802	139,715	135,633									1,213
267	CM	35,561	46,750	44,883	40,374									385
19	CN	1,484	1,549	1,183	1,041									12
21	IS	3,060	1,799	1,946	2,046									20
114	MF	11,910	11,187	11,539	11,065									105
323	SC	135,069	157,307	156,337	136,485									1,343
1021	SD	164,817	213,262	218,596	179,714									1,782
5536	SF	150,907	188,769	182,811	153,331									1,551
8254	Total	644,111	796,955	793,516	692,329	-	-	-	-	-	-	-	-	6,719

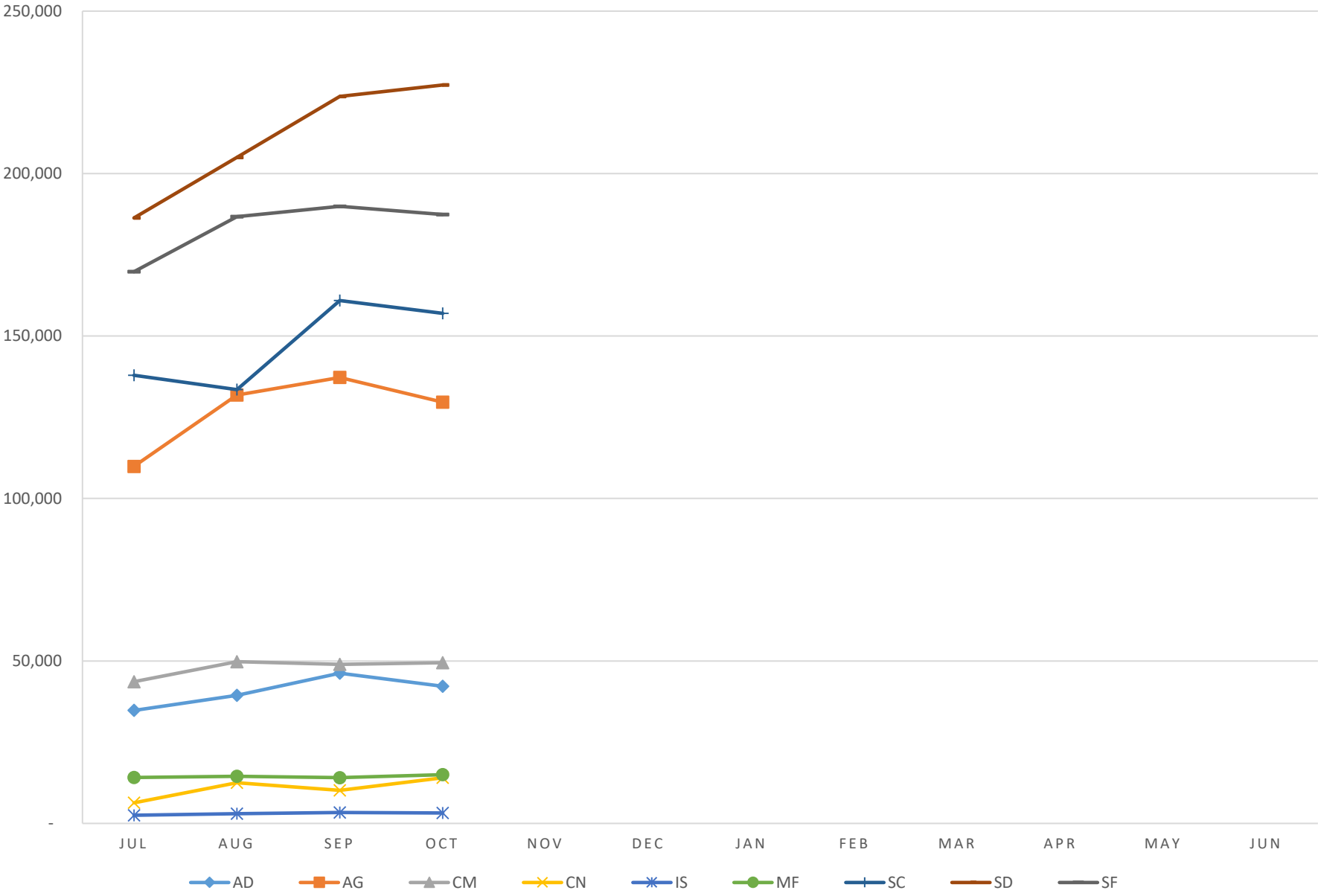
FISCAL YEAR 2018-2019

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
562	AD	34,648	47,312	45,104	28,007									356
402	AG	129,946	149,080	154,084	110,908									1,249
264	CM	51,483	67,254	66,114	36,283									508
23	CN	3,982	27,189	4,915	2,545									89
21	IS	4,964	3,824	3,852	3,447									37
112	MF	11,653	12,856	13,798	11,513									114
323	SC	165,088	203,887	203,899	134,052									1,623
1024	SD	230,264	264,247	273,401	189,659									2,198
5468	SF	168,323	192,173	207,384	146,492									1,640
8199	Total	800,351	967,822	972,551	662,906	-	-	-	-	-	-	-	-	7,814

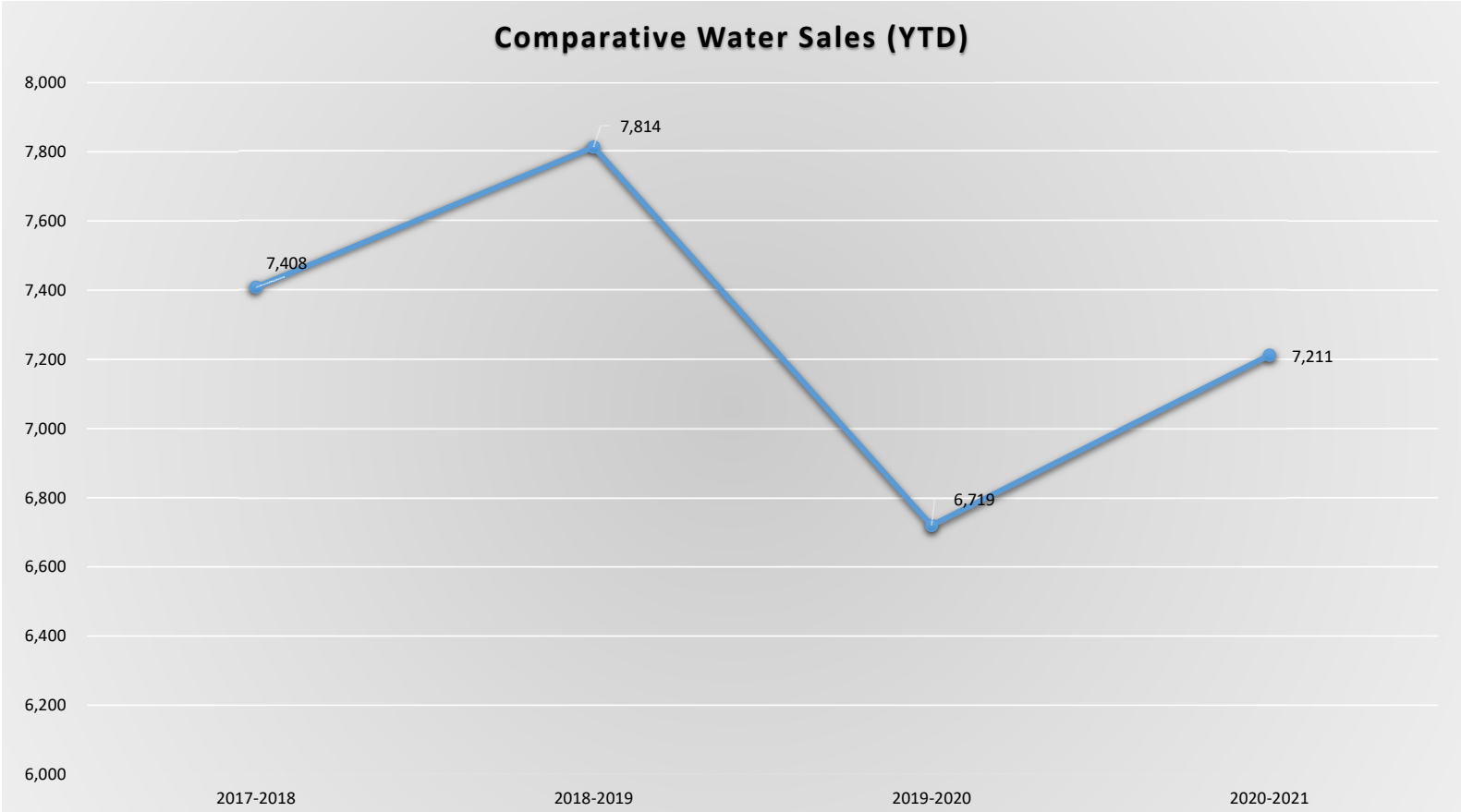
FISCAL YEAR 2017-2018

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
563	AD	33,310	29,712	36,164	31,255									299
395	AG	144,066	131,474	145,280	120,785									1,243
247	CM	33,715	42,488	33,812	26,189									313
32	CN	2,447	3,983	8,073	10,623									58
20	IS	2,320	2,440	2,793	2,488									23
96	MF	11,472	10,002	13,072	10,304									103
323	SC	179,822	156,120	202,103	148,336									1,576
1024	SD	244,799	223,157	271,457	222,398									2,208
5196	SF	174,946	165,760	194,809	155,004									1,585
7896	Total	826,897	765,136	907,563	727,382	-	-	-	-	-	-	-	-	7,408

USAGE BY CUSTOMER CLASS FY 20-21



Comparative Water Sales YTD from Prior Years





Check Register October 2020

Description	Bank Transaction Code	Issue Date	Amount
ACWA-JPIA	ACH	10/02/2020	83,188.31
ACWA-JPIA	ACH	10/16/2020	83,174.99
ADP - ADVICE OF DEBIT #565944852	EFT	10/16/2020	1,437.86
AIRGAS USA, LLC	ACH	10/16/2020	1,452.73
AIRGAS USA, LLC	ACH	10/30/2020	840.47
ALL STAR GLASS	ACH	10/02/2020	316.06
AMERICAN ENVIRONMENTAL GROUP, INC.	CHECK	10/30/2020	700.00
ARAMARK UNIFORM SERVICES	CHECK	10/02/2020	798.36
ARAMARK UNIFORM SERVICES	CHECK	10/16/2020	381.29
ARAMARK UNIFORM SERVICES	CHECK	10/30/2020	1,263.76
ASSOCIATION OF CALIFORNIA WATER AGENCIES	CHECK	10/02/2020	24,245.00
AT&T	CHECK	10/02/2020	166.28
AT&T	CHECK	10/16/2020	166.56
AT&T	CHECK	10/16/2020	529.85
AT&T LONG DISTANCE	CHECK	10/02/2020	26.89
AT&T MOBILITY	CHECK	10/16/2020	2,178.96
ATLAS ENGINEERING WEST, INC.	CHECK	10/02/2020	14,831.00
ATLAS ENGINEERING WEST, INC.	CHECK	10/30/2020	2,604.00
AZUGA, INC.	CHECK	10/30/2020	1,136.95
BABCOCK LABORATORIES, INC	ACH	10/02/2020	2,085.00
BABCOCK LABORATORIES, INC	ACH	10/16/2020	681.00
BAVCO	CHECK	10/02/2020	4,077.48
BHI MANAGEMENT CONSULTING	ACH	10/02/2020	4,211.67
BONSALL PEST CONTROL	CHECK	10/02/2020	200.00
BONSALL PEST CONTROL	CHECK	10/30/2020	200.00

Description	Bank Transaction Code	Issue Date	Amount
BOOT BARN INC	CHECK	10/02/2020	681.64
BOOT WORLD, INC	ACH	10/30/2020	784.93
BP BATTERY INC.	ACH	10/02/2020	539.13
BP BATTERY INC.	ACH	10/16/2020	429.22
BRAX COMPANY, INC	CHECK	10/30/2020	10,170.69
CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	CHECK	10/30/2020	546.37
CALIFORNIA SPECIAL DISTRICTS ASSOCIATION	CHECK	10/30/2020	7,805.00
CALIFORNIA STATE UNIVERSITY SAN MARCOS	CHECK	10/16/2020	5,000.00
CB1, INC	CHECK	10/16/2020	1,039.00
CDW GOVERNMENT, INC.	CHECK	10/30/2020	1,193.43
CHRIS BROWN	ACH	10/02/2020	15,000.00
CHRIS WAITE	CHECK	10/30/2020	344.18
CITIBANK AS ESCROW AGENT FOR CITY OF SAN DIEGO & ORION	CHECK	10/02/2020	8,053.75
CITIBANK AS ESCROW AGENT FOR CITY OF SAN DIEGO & ORION	CHECK	10/30/2020	13,275.00
COASTAL CHLORINATION AND	CHECK	10/02/2020	360.00
COLONIAL LIFE & ACCIDENT INS.	CHECK	10/02/2020	60.71
COLONIAL LIFE & ACCIDENT INS.	CHECK	10/16/2020	60.71
COLONIAL LIFE & ACCIDENT INS.	CHECK	10/30/2020	60.71
CONCORD ENVIRONMENTAL ENERGY, INC.	ACH	10/02/2020	37,559.90
CONCORD ENVIRONMENTAL ENERGY, INC.	ACH	10/16/2020	53,780.08
CONCORD ENVIRONMENTAL ENERGY, INC.	ACH	10/30/2020	50,454.50
COPY 2 COPY	CHECK	10/16/2020	69.44
CORE & MAIN LP	CHECK	10/02/2020	3,485.72
CORE & MAIN LP	CHECK	10/16/2020	723.22
CORE & MAIN LP	CHECK	10/30/2020	17,093.18
COUNTY OF S.D. DEPT OF ENVIRONMENTAL HEALTH	CHECK	10/02/2020	3,643.00
COUNTY OF SAN DIEGO DEPT OF PUBLIC WORKS	CHECK	10/16/2020	310.00
COUNTY OF SAN DIEGO VECTOR	CHECK	10/16/2020	343.16
COUNTY OF SAN DIEGO, RCS	CHECK	10/30/2020	89.90
CRACKS & CORNERS CLEANING SERVICE	ACH	10/02/2020	1,907.00
CRACKS & CORNERS CLEANING SERVICE	ACH	10/30/2020	1,657.00
CRAIG SHOBE	CHECK	10/16/2020	1,340.00
DAILY JOURNAL CORPORATION	CHECK	10/02/2020	773.50

Description	Bank Transaction Code	Issue Date	Amount
DAILY JOURNAL CORPORATION	CHECK	10/16/2020	234.00
DAILY JOURNAL CORPORATION	CHECK	10/30/2020	429.00
DELL BUSINESS CREDIT	CHECK	10/16/2020	5,460.08
DELL MARKETING L.P.	CHECK	10/02/2020	1,020.52
DESIGN SPACE MODULAR BUILDINGS	ACH	10/02/2020	3,499.28
DESIGN SPACE MODULAR BUILDINGS	ACH	10/30/2020	3,499.28
DETECTION INSTRUMENTS CORPORATION	CHECK	10/30/2020	2,110.25
DEXTER WILSON ENGINEERING	CHECK	10/02/2020	31,775.00
DEXTER WILSON ENGINEERING	CHECK	10/30/2020	3,515.00
DIAMOND ENVIRONMENTAL SERVICES	CHECK	10/02/2020	424.14
DIAMOND ENVIRONMENTAL SERVICES	CHECK	10/16/2020	488.99
DIAMOND ENVIRONMENTAL SERVICES	CHECK	10/30/2020	424.14
DITCH WITCH WEST	CHECK	10/30/2020	730.55
DUDEK	ACH	10/02/2020	4,125.00
ESAUD LAGUNAS	CHECK	10/16/2020	1,521.60
ESCONDIDO METAL SUPPLY, INC.	CHECK	10/02/2020	497.24
FALLBROOK AUTO PARTS	CHECK	10/02/2020	680.10
FALLBROOK AUTO PARTS	CHECK	10/16/2020	585.40
FALLBROOK AUTO PARTS	CHECK	10/30/2020	898.35
FALLBROOK EQUIPMENT RENTAL	ACH	10/02/2020	1,059.68
FALLBROOK EQUIPMENT RENTAL	ACH	10/16/2020	261.06
FALLBROOK IRRIGATION SUPPLIES	CHECK	10/30/2020	724.59
FALLBROOK WASTE AND RECYCLING	CHECK	10/16/2020	1,538.05
FALLBROOK WASTE AND RECYCLING	CHECK	10/30/2020	1,091.20
FEDEX	CHECK	10/16/2020	280.59
FEDEX	CHECK	10/30/2020	64.74
FERGUSON WATERWORKS #1083	CHECK	10/16/2020	101,509.02
FERGUSON WATERWORKS #1083	CHECK	10/30/2020	13,984.87
FLUME TECH	CHECK	10/02/2020	1,400.07
FLYERS ENERGY LLC	ACH	10/02/2020	4,109.06
FLYERS ENERGY LLC	ACH	10/16/2020	7,236.05
FLYERS ENERGY LLC	ACH	10/30/2020	3,942.01
GIL FRANCO, TIRE HAULER	CHECK	10/16/2020	502.00

Description	Bank Transaction Code	Issue Date	Amount
GOLDEN STATE INDUSTRIAL COATINGS, INC.	CHECK	10/16/2020	2,000.00
GOVERNMENT FINANCE OFFICERS ASSOCIATION	CHECK	10/16/2020	160.00
GRAYBAR ELECTRIC COMPANY, INC.	CHECK	10/16/2020	1,327.50
HAAKER EQUIPMENT CO.	ACH	10/02/2020	775.80
HAAKER EQUIPMENT CO.	ACH	10/30/2020	2,309.09
HACH	CHECK	10/02/2020	144.71
HACH	CHECK	10/30/2020	2,372.00
HARBOR FREIGHT	CHECK	10/02/2020	351.21
HARRIS & ASSOCIATES, INC.	ACH	10/30/2020	96,057.20
HASA INC.	CHECK	10/16/2020	872.63
HAWTHORNE EQUIPMENT	CHECK	10/16/2020	6,761.20
HDR ENGINEERING, INC.	CHECK	10/02/2020	30,427.50
HDR ENGINEERING, INC.	CHECK	10/30/2020	6,283.75
HELENE BRAZIER	ACH	10/30/2020	138.53
HELIX ENVIRONMENTAL PLANNING	CHECK	10/02/2020	3,136.05
HELIX ENVIRONMENTAL PLANNING INC	CHECK	10/30/2020	10,843.50
HOCH CONSULTING	CHECK	10/02/2020	41,535.00
HOME DEPOT CC - ALL (SEPTEMBER STATEMENT)	EFT	10/13/2020	1,088.68
HOUSTON AND HARRIS	CHECK	10/30/2020	4,835.00
ICONIX WATERWORKS (US) INC	ACH	10/02/2020	5,440.65
ICONIX WATERWORKS (US) INC	ACH	10/16/2020	4,873.39
ICONIX WATERWORKS (US) INC	ACH	10/30/2020	14,101.46
IMAGE SOURCE	CHECK	10/30/2020	2.16
IMPACT DESIGN	CHECK	10/02/2020	982.30
IMPACT DESIGN	CHECK	10/16/2020	315.91
INFOR (US), INC.	ACH	10/02/2020	380.00
INFOR (US), INC.	ACH	10/30/2020	600.00
INFOR PUBLIC SECTOR, INC.	CHECK	10/02/2020	6,240.00
INFOSEND, INC.	CHECK	10/02/2020	675.28
INFOSEND, INC.	CHECK	10/16/2020	4,732.45
INFRASTRUCTURE ENGINEERING CORPORATION	ACH	10/30/2020	6,719.00
INNOVYZE, INC.	CHECK	10/30/2020	7,628.89
INTER-BLOCK RETAINING SYSTEMS INC.	CHECK	10/16/2020	14,438.31

Description	Bank Transaction Code	Issue Date	Amount
J.L. WINGERT	CHECK	10/30/2020	4,914.69
JOE'S HARDWARE	CHECK	10/16/2020	67.54
JOE'S HARDWARE	CHECK	10/30/2020	102.92
KEITH KERBY	CHECK	10/16/2020	193.33
KENNEDY/JENKS CONSULTANTS INC	ACH	10/02/2020	37,231.14
KENNEDY/JENKS CONSULTANTS INC	ACH	10/30/2020	10,292.35
KENNY DIAZ	CHECK	10/02/2020	100.00
KNOCKOUT PEST CONTROL& TERMITE, INC.	CHECK	10/02/2020	75.00
KNOCKOUT PEST CONTROL& TERMITE, INC.	CHECK	10/16/2020	150.00
KNOCKOUT PEST CONTROL& TERMITE, INC.	CHECK	10/30/2020	150.00
KYOCERA DOCUMENT SOLUTIONS AMERICA, INC.	CHECK	10/30/2020	27.00
LANCE, SOLL & LUNGHARD LLP	CHECK	10/02/2020	27,180.00
LAUTERBACH & AMEN, LLP.	CHECK	10/02/2020	1,050.00
LAYFIELD USA CORPORATION	ACH	10/02/2020	7,178.00
LEIGHTON CONSULTING, INC.	CHECK	10/02/2020	3,797.20
LINCOLN NATIONAL LIFE INSURANCE COMPANY	CHECK	10/02/2020	3,818.88
LINCOLN NATIONAL LIFE INSURANCE COMPANY	CHECK	10/30/2020	5,272.94
MAG ENGINEERING INC.	CHECK	10/30/2020	840.95
MAR-CON PRODUCTS	ACH	10/16/2020	2,700.76
MASTERCRAFT HOMES GROUP, LLC	CHECK	10/16/2020	28,812.00
MHC SOFTWARE, LLC	CHECK	10/30/2020	3,500.00
MICHAEL VEZIE	CHECK	10/16/2020	1,626.15
MISSION RESOURCE CONSERVATION DISTRICT	ACH	10/02/2020	44.50
MITCHELL 1	CHECK	10/30/2020	2,767.02
MOBILE MINI, INC	CHECK	10/02/2020	1,543.33
MOBILE MINI, INC	CHECK	10/16/2020	183.67
MOBILE MINI, INC	CHECK	10/30/2020	1,367.57
MODULAR BUILDING CONCEPTS, INC	CHECK	10/16/2020	1,315.63
NATIONAL BENEFIT SERVICES, LLC	CHECK	10/02/2020	50.00
NBS BENEFITS-ADMINISTRATION FEES	EFT	10/15/2020	125.00
NICK LLOYD GRADING	CHECK	10/30/2020	1,663.31
NOBEL SYSTEMS	ACH	10/02/2020	2,000.00
NORTH COUNTY WELDING SUPPLY	CHECK	10/30/2020	66.93

Description	Bank Transaction Code	Issue Date	Amount
O'CONNELL ENGINEERING & CONSTRUCTION, INC.	CHECK	10/16/2020	716.29
O'CONNELL ENGINEERING & CONSTRUCTION, INC.	CHECK	10/30/2020	175.47
OLIVENHAIN MWD	CHECK	10/02/2020	4,000.00
OMNIS CONSULTING INC.	CHECK	10/02/2020	7,892.00
OMNIS CONSULTING INC.	CHECK	10/30/2020	12,060.00
ONESOURCE DISTRIBUTORS, LLC	CHECK	10/30/2020	2,054.76
ORION CONSTRUCTION CORPORATION	CHECK	10/02/2020	153,021.25
ORION CONSTRUCTION CORPORATION	CHECK	10/30/2020	252,225.00
PACIFIC PIPELINE SUPPLY	CHECK	10/02/2020	1,884.19
PACIFIC PIPELINE SUPPLY	CHECK	10/16/2020	1,971.07
PACIFIC PIPELINE SUPPLY	CHECK	10/30/2020	78,123.45
PALOMAR HEALTH	CHECK	10/30/2020	65.00
PARADISE CHEVROLET CADILLAC	ACH	10/02/2020	875.45
PARADISE CHEVROLET CADILLAC	ACH	10/30/2020	3,131.20
PARKHOUSE TIRE, INC.	ACH	10/02/2020	652.68
PARKHOUSE TIRE, INC.	ACH	10/16/2020	1,423.47
PERRAULT CORPORATION	CHECK	10/02/2020	993.52
PERRAULT CORPORATION	CHECK	10/16/2020	519.31
PERRAULT CORPORATION	CHECK	10/30/2020	1,299.94
PETERS PAVING & GRADING, INC	ACH	10/02/2020	18,500.00
PETERS PAVING & GRADING, INC	ACH	10/16/2020	16,694.97
POLLUTION CONTROL DISTRICT COUNTY OF SAN DIEGO, AIR	CHECK	10/02/2020	460.00
POLVERA, INC.	CHECK	10/30/2020	1,301.17
PR BATCH 2020_NBS_ELAGUNAS	EFT	10/22/2020	135.00
PRINCIPAL LIFE INSURANCE COMPANY	ACH	10/30/2020	9,125.30
PROFESSIONAL IMAGE ADVERTISING, INC.	CHECK	10/16/2020	1,620.00
PUBLIC POLICY STRATEGIES, INC.	CHECK	10/02/2020	7,500.00
PUBLIC POLICY STRATEGIES, INC.	CHECK	10/30/2020	7,500.00
QUALITY CHEVROLET	ACH	10/02/2020	74.42
QUALITY CHEVROLET	ACH	10/16/2020	62.58
QUALITY CHEVROLET	ACH	10/30/2020	409.55
QUALITY GATE COMPANY	ACH	10/02/2020	512.00
QUALITY GATE COMPANY	ACH	10/16/2020	2,750.00

Description	Bank Transaction Code	Issue Date	Amount
RAIN FOR RENT RIVERSIDE	CHECK	10/02/2020	777.38
RAIN FOR RENT RIVERSIDE	CHECK	10/16/2020	264.33
RAIN FOR RENT RIVERSIDE	CHECK	10/30/2020	218.65
RAMON FRANCISCO COTE	CHECK	10/02/2020	626.00
RAMON FRANCISCO COTE	CHECK	10/16/2020	662.00
RAMON FRANCISCO COTE	CHECK	10/30/2020	328.00
RANCHO FORD LINCOLN MERCURY	CHECK	10/16/2020	224.07
RCP BLOCK & BRICK INC.	CHECK	10/02/2020	83.09
RENE BUSH	ACH	10/16/2020	726.00
RHO MONSERATE C.C.H.A.	CHECK	10/02/2020	274.62
RICARDO ZARAGOZA	CHECK	10/16/2020	194.08
ROAD SOUP LLC	CHECK	10/16/2020	905.10
ROBERT & LINDA BURTON	CHECK	10/16/2020	115,000.00
RT LAWRENCE CORPORATION	ACH	10/16/2020	625.50
RUBEN LOPEZ	CHECK	10/02/2020	101.00
SAN DIEGO COUNTY ASSESSOR/RECORDER/CLERK	CHECK	10/16/2020	20.00
SAN DIEGO GAS & ELECTRIC	CHECK	10/02/2020	5,794.06
SAN DIEGO GAS & ELECTRIC	CHECK	10/16/2020	109,371.17
SAN DIEGO GAS & ELECTRIC	CHECK	10/30/2020	5,573.67
SCAP	ACH	10/02/2020	538.00
SCW CONTRACTING CORPORATION	ACH	10/02/2020	231,828.50
SDCWA CAP FEES-1ST QUARTER FY21	EFT	10/28/2020	295,281.00
SDCWA WATER PURCHASE- AUG 2020	WIRE	10/14/2020	2,478,988.58
SHRED-IT USA LLC	CHECK	10/30/2020	326.88
SMITH AND LOVELESS	CHECK	10/16/2020	1,727.93
SOUTHWEST ANSWERING SERVICE, INC.	CHECK	10/16/2020	822.48
SOUTHWEST VALVE & EQUIPMENT	CHECK	10/16/2020	1,006.82
SPARLING INSTRUMENTS, LLC	CHECK	10/02/2020	1,218.56
SPECIALTY MOWING SERVICES, INC - W9	ACH	10/02/2020	12,887.54
STREAMLINE	ACH	10/30/2020	300.00
SUPERIOR READY MIX	CHECK	10/16/2020	627.64
T S INDUSTRIAL SUPPLY	CHECK	10/02/2020	456.30
T S INDUSTRIAL SUPPLY	CHECK	10/16/2020	5,817.85

Description	Bank Transaction Code	Issue Date	Amount
T S INDUSTRIAL SUPPLY	CHECK	10/30/2020	3,949.75
T.E. ROBERTS, INC.	CHECK	10/02/2020	236,360.00
T.E. ROBERTS, INC.	CHECK	10/30/2020	512,026.25
TCN, INC	CHECK	10/02/2020	9.97
TEMECULA TROPHY CO.	CHECK	10/02/2020	56.43
TIAA COMMERCIAL FINANCE, INC.	CHECK	10/16/2020	2,829.53
TIME WARNER CABLE	CHECK	10/30/2020	2,500.00
TOOLSHED EQUIPMENT RENTALS	CHECK	10/02/2020	334.02
TRAFFIC SAFETY SOLUTIONS, LLC	ACH	10/02/2020	19,297.50
TRAFFIC SAFETY SOLUTIONS, LLC	ACH	10/16/2020	3,850.00
TRAFFIC SAFETY SOLUTIONS, LLC	ACH	10/30/2020	8,032.50
TRAFFIC SUPPLY, INC.	CHECK	10/16/2020	2,173.71
TRAFFIC SUPPLY, INC.	CHECK	10/30/2020	1,146.88
UNDERGROUND SERVICE ALERT	ACH	10/02/2020	284.02
UNION BANK CC - DAUGHERTY (SEPTEMBER STATEMENT)	EFT	10/13/2020	13.96
UNION BANK CC - HARP (SEPTEMBER STATEMENT)	EFT	10/13/2020	69.03
UNION BANK CC - KENNEDY (SEPTEMBER STATEMENT)	EFT	10/13/2020	321.80
UNION BANK CC - LAGUNAS (SEPTEMBER STATEMENT)	EFT	10/13/2020	242.22
UNION BANK CC - ROSE (SEPTEMBER STATEMENT)	EFT	10/13/2020	5.92
UTILITY SERVICE CO.	ACH	10/30/2020	2,500.00
VALLEY CONSTRUCTION MANAGEMENT	CHECK	10/30/2020	10,395.00
VERIZON WIRELESS	CHECK	10/16/2020	4,027.92
VIVAX-METROTECH CORP.	CHECK	10/30/2020	2,251.90
WATER QUALITY SPECIALISTS	ACH	10/16/2020	1,950.00
WATERLINE TECHNOLOGIES INC.	CHECK	10/16/2020	3,221.73
WATERLINE TECHNOLOGIES INC.	CHECK	10/30/2020	5,154.76
WESTERN LANDSCAPE MAINTENANCE PLUS, INC.	ACH	10/02/2020	662.15
WESTERN LANDSCAPE MAINTENANCE PLUS, INC.	ACH	10/30/2020	507.15
WHITE CAP CONSTRUCTION SUPPLY	CHECK	10/02/2020	500.82
WHITE CAP CONSTRUCTION SUPPLY	CHECK	10/30/2020	343.45
WINZER CORP	CHECK	10/30/2020	1,456.39
ZION BANCORPORATION, NATIONAL ASSOCIATION	CHECK	10/30/2020	1,000.00
		Total:	5,788,707.01

**Director's Expenses
FY 2020-2021**

Disbursement Date	Description	Helene Brazier	Miguel Gasca	Claude Hamilton	Michael Mack	Carl Rindfleisch
07/31/20	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA, SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
	TRAVEL EXPENSES					
	MILEAGE EXPENSE				\$ 102.35	
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 252.35</u>	<u>\$ 150.00</u>
08/31/20	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA, SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
	TRAVEL EXPENSES					
	MILEAGE EXPENSE					
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>
Disbursement Date	Description	Helene Brazier	Miguel Gasca	Claude Hamilton	Michael Mack	Carl Rindfleisch
09/30/20	WATER AGENCIES ASSOC OF S.D. CSDA, SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS		\$ 300.00	\$ 150.00	\$ 300.00	\$ 300.00
	TRAVEL EXPENSES					
	MILEAGE AND EXPENSES					
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ -</u>	<u>\$ 300.00</u>	<u>\$ 150.00</u>	<u>\$ 300.00</u>	<u>\$ 300.00</u>
10/31/20	WATER AGENCIES ASSOC OF S.D. CSDA, SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS		\$ 150.00	\$ 150.00	\$ 150.00	
	TRAVEL EXPENSES					
	MILEAGE AND EXPENSES					
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ -</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ -</u>
REPORT TOTAL:		\$ 300.00	\$ 750.00	\$ 600.00	\$ 852.35	\$ 600.00



AMERICAN EXPRESS

October 2020

GL Finance Code	GL Transaction Amount	Description
GL 02 61 72000	115.76	AMAZON #112-0224816-1445868/PO# 10977
GL 01 32 72000	231.52	AMAZON #112-0224816-1445868/PO# 10979
GL 03 44 60100	83.51	AMAZON #112-1314762-8359429
GL 03 43 72500	53.80	AMAZON #112-1680392-3898651
GL 03 43 72500	86.10	AMAZON #112-3678788-5404202/PO# 10822
GL 03 44 60100	251.50	AMAZON #112-5026159-9136216
GL 03 44 60100	33.48	AMAZON #112-5983523-5216257
GL 02 61 72000	53.80	AMAZON #112-6406813-5017845/PO# 10964
GL 03 44 60100	33.05	AMAZON #112-6616897-3621835
GL 03 44 60100	97.28	AMAZON #112-8530791-9229841
GL 03 36 63422	375.50	AMAZON #112-8876553-0047432
GL 03 42 56513	40.85	AMAZON #112-9370706-2377825
GL 01 34 72000	426.40	AMAZON #114-2903805-3565065/PO #11026
GL 01 34 72000	2,106.77	AMAZON #114-4000602-3368213/PO# 10999
GL 03 43 72000	154.91	AMAZON #114-4092362-7275429/PO #11009
GL 03 43 72000	124.45	AMAZON #114-4632113-9361810/PO# 11009
GL 03 43 72000	67.27	AMAZON #114-5188641-2588239/PO# 11009
GL 03 41 63401	96.45	AMAZON #114-9794135-2835452
GL 03 44 60100	86.19	AMAZON #AMAZON #112-2323610-9298663
GL 03 41 72900	59.25	AMAZON #AMAZON #112-6126504-6259468
GL 03 44 60100	0.24	AMAZON WEBSITE SERVICES
GL 03 51 72400	258.00	AMERICAN PAYROLL ASSOCIATION #1147619
GL 03 51 56512	1,386.56	AMERICAN PAYROLL ASSOCIATION #6000001240
GL 03 43 72000	2.99	APPLE #MK9Y60KX2LA
GL 03 44 60100	321.10	APPLE #W80127890
GL 03 44 60100	10.00	ATLISSIAN #AT-11514435
GL 03 44 60100	245.70	AUTHORIZE.NET, 10-1-20

GL Finance Code	GL Transaction Amount	Description
GL 03 44 60100	244.81	AZURE #E0300CFBZD
GL 03 44 60100	20.00	CORELOGIC #82043909
GL 03 44 60100	192.50	CORELOGIC #82045002
GL 03 43 72000 800013	1,595.00	COVIDCLINIC #NT_I7TYO8BI
GL 03 41 63401	82.04	CULLIGAN #103120
GL 01 34 72000	463.00	CUT-RATE BATTERIES #NT_IH7IQUHD
GL 03 42 56513	39.65	DANIELS MARKET #000027186
GL 03 44 60100	39.99	DIRECTTV #133B628F
GL 03 41 63400	38.25	FRUIT GUYS #5537570
GL 03 41 63400	76.50	FRUIT GUYS #5538513
GL 03 41 63400	38.25	FRUIT GUYS #5539248
GL 03 41 63400	76.50	FRUIT GUYS #5540074
GL 03 41 63400	38.25	FRUIT GUYS #5540804
GL 01 32 72000	523.09	GRAINGER #9656345288/PO# 10914
GL 01 99 15260	47.39	GRAINGER #9656345288/PO# 10914
GL 03 36 63421	1,522.51	GRAINGER #9656345288/PO# 10914
GL 03 43 72000	97.09	GRAINGER #9656876290/PO# 10904
GL 01 34 72000	3,631.18	GRAINGER #9674948840/PO# 10971
GL 03 43 72000	832.17	GRAINGER #9682221479/PO# 10987
GL 01 34 72000	4,062.18	GRAINGER #9684880652/PO# 10969
GL 03 43 72000	256.82	GRAINGER #9687063744/PO# 10936
GL 01 32 73000	137.28	GRAINGER #9687063751
GL 03 43 72500	205.85	GRAINGER #9693015019
GL 01 32 72000	584.50	GRAINGER #9693015027/PO# 11015
GL 03 36 63422	1,056.25	HARBOR TRUCK BODIES #6
GL 03 42 56513	40.04	I SEE ME
GL 03 41 74100	947.04	JIVE
GL 03 41 63400	750.00	NATUREBOX #10913
GL 60 99 70000 600017	284.00	NOSSAMAN #513726
GL 60 99 70000 600021	2,609.25	NOSSAMAN #513726
GL 60 99 70000 600055	603.50	NOSSAMAN #513726
GL 53 99 70000 530017	1,224.75	NOSSAMAN #513726
GL 03 41 70000	7,703.50	NOSSAMAN #513726
GL 03 41 70000	23,668.92	NOSSAMAN #513727

GL Finance Code	GL Transaction Amount	Description
GL 03 41 70000	2,388.80	NOSSAMAN #513729
GL 03 41 70000	495.00	NOSSAMAN #513730
GL 03 41 70000	3,465.00	NOSSAMAN #513731
GL 03 41 70000	765.00	NOSSAMAN #513732
GL 03 41 70000	12,776.95	NOSSAMAN #513734
GL 53 99 70000 530017	1,397.50	NOSSAMAN #513735
GL 60 99 70000 600017	1,657.50	NOSSAMAN #513735
GL 60 99 70000 600021	162.50	NOSSAMAN #513735
GL 03 41 70000	5,292.43	NOSSAMAN #513735
GL 03 43 72000	65.59	OFFICE DEPOT #124773813001/PO# 10902
GL 03 41 72900	113.63	OFFICE DEPOT #127222319001
GL 03 41 72900	60.71	OFFICE DEPOT #129998766001
GL 03 41 72900	51.68	OFFICE DEPOT #514798631001
GL 03 41 72900	147.66	OFFICE DEPOT #514799057001
GL 01 35 63404	325.76	PALOMAR BACKFLOW #7296
GL 03 44 72000	79.99	PARALLELS #241589809
GL 03 41 75300	17.65	PREPASS
GL 03 44 60100	10.00	RING
GL 01 34 72000	9,063.77	STAMPEDE DISTRIBUTION - UNKNOWN CHARGE
GL 03 42 56513	285.00	SWANK MOTION
GL 03 42 56513 	12.96	TARGET
GL 03 44 60100	32.18	WASABI
GL 03 41 63401	456.84	WAXIE #79550090
GL 01 34 72000	300.00	WHIP AROUND #35844
GL 03 44 60100	71.88	YOUMAIL
GL 01 35 72000	35.00	ZOHO #66396094
GL 03 44 60100	174.91	ZOOM
GL 01 99 21130	100,240.37	American Express (October Statement)

Rainbow MWD Developer Projections - Water

Installations

Development Name (Active) (Inactive)	Purchased	Anticipated Sales (Connections)							Water LF	PRS	Timing
		FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total			
Horse Ridge Creek	274.8		23.8					23.8	34407	1	In Progress
Horse Ridge Creek (RAH)	113							0			In Progress
Campus Park West								9			
Lilac Del Cielo			20	56				76	2247	1	Recent Activity
Golf Green Estates	77		20					20	5475		In Progress
Pala Mesa Highlands	104		27					27	10089	1	In Progress
Bonsall Oaks/Polo							154	154	21531	3	
Ocean Breeze (Vessels)							396	396			
								0			
Rancho Viejo Phase 3							47	47			
Campus Park							53	53			
Meadowood*			100	250	151			501		1	In Progress
Single Service Laterals		6	5	5	5	5	5	31			See Notes**
TOTAL WATER METERS	568.8	6	196	311	156	5	664	1,338			

Revenue Projections

Meter Size (in)	Revenue Per Meter (Existing)	Purchased	Anticipated Sales							
			FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total	
5/8	6,241									-
3/4	10,401	531.8		191	306	151		644		1,292
1	16,642	0	5	5	5	5	5	20		45
1 1/2	27,043	34	1							1
2	62,406	3								-
3	124,812									-
4	208,020									-
Total		568.8	6	196	311	156	5	664		1,338
Total Revenue			\$110,253	\$2,069,801	\$3,265,916	\$1,653,761	\$83,210	\$7,031,084		\$14,214,025

Notes:

*Actual amount will vary depending on final agreements.

**Average from last 10 years.

Rainbow MWD Developer Projections - Sewer

Installations

Development Name (Active) (Inactive)	Purchased (EDUs)	Anticipated Sales (EDUs)							Sewer LF	LS	Timing
		FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total			
Horse Ridge Creek	723							0	29916	1	In Progress
Horse Ridge Creek (RAH)	169.5							0			
Campus Park West								9			
Lilac Del Cielo	38.9		38.9					39	1382		Recent
Golf Green Estates	94.5		25.8					26	4318		In Progress
Pala Mesa Highlands	126.88		35.7					36	11501		In Progress
Bonsall Oaks/Polo	59.85							96.2	21027		Recent
Ocean Breeze (Vessels)								479			Recent
Rancho Viejo Phase 3								47			Recent
								0	2251		
Campus Park								0			
Meadowood*			422	422				844			
Misc. SFR			3	3	3	3	3	15			
TOTAL EDUs		-	525	425	3	3	634	1591			

Revenue Projections

		Purchased (EDUs)	Anticipated Sales						
			FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total
Existing Fee	\$ 14,126	281.23		525	425	3	3	634	1,591
Meadowwood		883							
Total			-	525	425	3	3	634	1,591
Total Revenue			\$0	\$7,421,800	\$6,003,550	\$42,378	\$42,378	\$8,958,709	\$22,468,816 **

Notes:

*Actual amount will vary depending on final agreements.

** Actual amounts will vary depending on final exchange agreements.

Rainbow Municipal Water District
Property spreadsheet

APN	Description of Use	Acreage
1023000800	North Reservoir	4.8
1023001100	U-1 Pump Station	0.14
1023005000	Rainbow Creek Crossing near North Reservoir	0.89
1023005300	Connection 9	0.01
1024300900	Pump Station across PS1 (not in use)	0.12
1025702000	U-1 Tanks	1.08
1026305400	Pump Station #1	0.33
1026602000	Booster Pump Station #4	0.03
1027001600	Pump Station #3	0.67
1071702800	Connection 7	1.60
1071702900	Pala Mesa Tank	10.35
1080206900	Northside Reservoir	9.23
1082210600	Beck Reservoir	27.25
1082210900	Near Beck Reservoir	4.82
1082211000	Near Beck Reservoir	6.23
1082211800	Near Beck Reservoir - Excess Property (not in use)	4.68
1084210600	Rice Canyon Tank	1.00
1084410300	Canonita Tank	2.41
1091410700	Gomez Creek Tank	1.00
1092310900	Rainbow Heights Tank	0.35
1092330300	Rainbow Heights Tank	0.99
1092341000	Rainbow Heights Concrete Tank - used for SCADA	1.74
1093101800	Vallecitos Tank	0.55
1093822800	Magee Tank	1.03
1093912400	Magee Pump Station	0.3
1100721000	Huntley Road Pump Station	0.52
1102203700	Huntley Chlorination Station (not in use)	0.2
1212011000	Morro Tank	0.31
1212011100	Morro Tank	4.85
1212011200	Morro Reservoir	13.01
1213300900	Morro Reservoir	6.79
1250703200	Sumac Reservoir (Not in Use)	1.72
1250902600	Headquarters	7.38
1250903400	Headquarters	4.43
1250903500	Headquarters	3.40
1250903800	Headquarters	17.03
1251002100	Rancho Viejo Lift Station #5	0.05
1252311800	Hutton Tank	1.39
1252312600	Hutton Tank	0.89
1260803100	Via de los Cepillos Easement	0.47
1261708700	Lift Station #2	0.08
1261708900	Lift Station #2	0.12
1263004200	Lift Station #1	0.01
1270710500	Bonsall Reservoir (Not in Use)	6.19
1270710600	Connection 6	0.28
1271512300	Turner Tank	15.12
1721404300	Gopher Canyon Tank	1.84
	<i>Total</i>	167.68



BOARD OF DIRECTORS

January 26, 2021

SUBJECT

FINANCE REPORT FOR DECEMBER 2020

DESCRIPTION

Summary:

FY 2020/2021 Water Sales:

Budgeted 13,500 AF

Actual NOV FYTD 20/21 9,118 AF

Actual NOV FYTD 19/20 8,440 AF

Actual NOV FYTD 18/19 9,216 AF

November FYTD 2020/2021 Budget vs Actual:

For FY 20/21, the board followed the recommendation of staff and committee to budget future sales lower and more in line with the most recent years' trends at 13,500 AF for FY 20/21, with operating expenses being budgeted within this lower operating revenue level as well.

Treasury Report:

Interest Revenue for November 2020 was \$41,166 compared to \$28,381 for the prior month. Gains from assets sales were \$2,643 for November 2020. Investment valuation was down \$25,434 from the prior month and up \$157,544 over the prior year.

Water Purchases & Water Sales:

The Five-Year Water Purchases Demand Chart (Attachment D) reports purchases; this data is available in real time. The Water Sales Summary Report (Attachment E) represents water that was billed to customers, so the data is time delayed in comparison to the Five-Year Water Purchases Demand Chart. Water Loss from meter inaccuracy and breaks is also not included in the Five-Year Demand Chart since this data is from purchases. These two reports will not correlate unless they are both presented for the same date; we provide the purchases report in real time to provide the board with the most current demand information available.

Attachments:

- A. Budget vs Actuals (NOV FYTD 20/21)
- B. Fund Balance Projections
- C. Treasury Report (NOV FY 20/21)
- D. Five-Year Water Purchases Demand Chart (through 1/6/2020)
- E. Water Sales Summary (NOV FY 20/21)
- F. Check Register (NOV FY 20/21)
- G. Directors' Expense Report (NOV FY 20/21)
- H. Credit Card Breakdown (NOV FY 20/21)
- I. Developer Projections
- J. RMWD Properties


Tracy Largent, CPA
Finance Manager

January 26, 2021

Statement of Revenues & Expenses Budget vs. Actual

Operating Funds (Water, Wastewater, & General Funds)

November 30, 2020



Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
Operating :						
41110-Water Sales-SF, MF, CM, IS	5,064,742	3,140,985	1,923,757	61%	7,538,364	
41112-Sewer Charges-Established Acct	1,290,418	1,331,106	-40,688	-3%	3,194,655	
42120-Monthly O & M Charges	3,418,010	3,495,140	-77,130	-2%	8,388,335	
42121-Monthly O&M Charges - CWA	2,044,390	2,149,041	-104,651	-5%	5,157,699	
43101-Operating Inc Turn On/Off Fees	0	2,083	-2,083	-100%	5,000	
43106-Operating Inc-Sewer Letter Fee	600	417	183	44%	1,000	
41120-Water Sales-Ag-Dom Non Cert	750,556	446,064	304,492	68%	1,070,554	
41160-Water Sales-Ag. Non Discount	2,234,311	1,679,779	554,532	33%	4,031,470	
41170-Water Sales-Construction	268,539	40,601	227,938	561%	97,442	
41180-Water Sales - Tsawr Com	3,360,117	1,595,147	1,764,970	111%	3,828,353	
41190-Water Sales-Sawr Ag/Dom	2,255,492	2,162,385	93,107	4%	5,189,723	
42130-Readiness-To-Serve Rev Id#1	31,714	104,167	-72,453	-70%	250,000	
42140-Pumping Charges	390,843	253,463	137,380	54%	608,312	
-Water Sales	21,109,729	16,400,377	4,709,352	29%	39,360,905	
43100-Operating Inc Oak Crest Service Charges	9,750	9,750	0	0%	23,400	
43102-Operating Inc Penalty/Int Chgs	277,327	20,833	256,493	1231%	50,000	
43104-Operating Inc. R.P. Charges	102,033	102,361	-327	0%	245,665	
43108-Operating Inc Plan Check Rev.	54,779	22,917	31,862	139%	55,000	
43110-Operating Inc Inspections	3,232	8,333	-5,101	-61%	20,000	
43111-Operating Inc Install Fees Hyd	2,070	833	1,237	148%	2,000	
43114-Operating Inc-Miscellaneous	0	2,917	-2,917	-100%	7,000	
43116-New Meter Sales/Install Parts	18,810	16,667	2,143	13%	40,000	
43117-Notice Delivery Revenue	-1	2,083	-2,084	-100%	5,000	
-Other Operating Revenue	468,000	186,694	281,307	151%	448,065	
42200-Overhead Trs From Water Sewer	3,343,510	3,343,509	0	0%	8,024,423	
-Transfers from Water & Waste Water	3,343,510	3,343,509	0	0%	8,024,423	
REVENUE-Operating Revenue	24,921,239	19,930,580	4,990,659	25%	47,833,393	

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
50001-Water Purchases	11,214,172	7,096,235	4,117,938	58%	17,030,963	Seasonal
50003-Water In Storage	65,698	0	65,698		0	
50005-Ready To Serve Charge	205,753	207,825	-2,073	-1%	498,780	FC estimate for budget
50006-Infrastructure Access Charge	268,370	289,560	-21,190	-7%	694,944	FC estimate for budget
50008-Ag Credit-Sawr	-661,844	-420,717	-241,127	57%	-1,009,721	
50010-Customer Service Charge	462,134	462,135	-1	0%	1,109,124	
50011-Capacity Reservation Charge	164,955	174,973	-10,017	-6%	419,934	FC estimate for budget
50012-Emergency Storage Charge	698,378	668,075	30,303	5%	1,603,380	FC estimate for budget
50013-Supply Reliability Charge	387,511	407,050	-19,539	-5%	976,920	FC estimate for budget
-Cost of Purchased Water Sold	12,805,126	8,885,135	3,919,991	44%	21,324,324	←
56101-Regular Salaries	1,822,387	2,192,915	-370,527	-17%	5,262,995	
56103-Overtime Paid Comptime Earn.	188,300	147,917	40,383	27%	355,000	
56202-Director's Compensation	2,850	5,833	-2,983	-51%	14,000	
56518-Duty Pay	14,550	18,583	-4,033	-22%	44,600	
56520-Deferred Comp-Employer Contrib	56,687	58,535	-1,848	-3%	140,485	
-Salary & Labor Expenses	2,084,775	2,423,783	-339,008	-14%	5,817,080	←
56501-Employer's Share FICA SSI	88,284	125,735	-37,450	-30%	301,763	
56502-Employer's Share Medicare	28,956	31,882	-2,926	-9%	76,516	
56515-Worker's Compensation Ins	158,510	60,266	98,244	163%	144,640	Entire Year Paid in July
56516-State Unemployment Ins E.T.T.	579	5,507	-4,929	-89%	13,217	
-Taxes	276,329	223,390	52,939	24%	536,136	
56503-Medical Insurance	373,680	385,436	-11,756	-3%	925,046	
56504-Dental Insurance	35,578	36,355	-777	-2%	87,252	
56505-Vision Insurance	5,048	4,846	202	4%	11,631	
56506-Life S/T L/T Disability Ins	26,272	22,847	3,425	15%	54,832	
56507-Retirement-CalPERS	197,753	232,994	-35,241	-15%	559,186	
56511-Employee Uniform Allowance	7,901	10,417	-2,516	-24%	25,000	
56512-Employee Training/Tuition Reim	11,482	9,000	2,482	28%	21,600	
56513-Employee Relations	2,139	6,083	-3,945	-65%	14,600	
56524-Other Post Employment Benefits	8,120	0	8,120		0	
56530-Gasb 68 Pension	552,548	179,167	373,381	208%	430,000	Entire Year Paid in July
-Fringe Benefits	1,220,520	887,145	333,375	38%	2,129,147	
52176-Overhead Transfer To Gen Fund	3,343,510	3,343,509	0	0%	8,024,423	

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
-Transfers	3,343,510	3,343,509	0	0%	8,024,423	
60000-Equipment	14,366	39,167	-24,800	-63%	94,000	
60100-Computers	55,343	42,517	12,826	30%	102,040	
63100-Equipment Maintenance	71,592	72,750	-1,158	-2%	174,600	
63102-Equipment Maintenance Contract	13,271	24,260	-10,989	-45%	58,225	
63200-Equipment Rental	32,766	48,750	-15,984	-33%	117,000	
63400-Kitchen Supplies	4,784	5,833	-1,050	-18%	14,000	
63401-Building Maintenance	67,508	56,750	10,758	19%	136,200	
63404-Backflow Expenses	48,498	62,708	-14,210	-23%	150,500	
63421-Fuel And Oil	51,247	58,333	-7,086	-12%	140,000	
63422-Repair Supplies Auto	26,785	29,167	-2,381	-8%	70,000	
65000-Property/Liability Insurance	401,242	166,667	234,575	141%	400,000	Entire Year Paid in July
65100-District Paid Insurance Claims	140,124	120,833	19,291	16%	290,000	
65200-Miscellaneous Expense	7,844	0	7,844		0	
66000-Bad Debt Exp/Billing Adjust'S	0	2,083	-2,083	-100%	5,000	
69000-Postage	14,834	19,375	-4,541	-23%	46,500	
70000-Professional Services	406,603	388,000	18,603	5%	931,200	
70100-Annual Audit Services	0	14,583	-14,583	-100%	35,000	
70300-Legal Services	110,007	187,500	-77,493	-41%	450,000	
70400-Bank Service Charges	29,368	20,833	8,535	41%	50,000	
72000-Supplies & Services	463,440	516,167	-52,727	-10%	1,238,800	
72001-Right Of Way Expenses	137,387	83,333	54,054	65%	200,000	
72010-Tank Maintenance	396,551	360,208	36,343	10%	864,500	
72150-Regulatory Permits	4,103	32,333	-28,230	-87%	77,600	
72200-Books & Resources	570	958	-388	-41%	2,300	
72400-Dues & Subscriptions	253,825	256,155	-2,330	-1%	614,773	
72500-Safety Supplies	32,641	17,292	15,349	89%	41,500	
72600-Sewer Line Cleaning	9,433	24,167	-14,734	-61%	58,000	
72700-Printing & Reproductions	1,536	5,833	-4,298	-74%	14,000	
72702-Public Notices & Advertising	456	917	-461	-50%	2,200	
72900-Stationary & Office Supplies	2,442	2,083	359	17%	5,000	
73000-Small Tools & Equipment	22,068	20,333	1,735	9%	48,800	
74000-Communicatons & Phone Bills	837	3,542	-2,704	-76%	8,500	

Positive = Over Budget

Negative = Under Budget

	FY 20/21 YTD Revenues/Expenditures	FY 20/21 YTD Operating Budget	YTD Variance \$	YTD Variance %	FY 20/21 Annual Operating Budget	Notes
74100-Phone Bill	41,328	38,750	2,578	7%	93,000	
75300-Travel, Conferences & Training	1,108	17,496	-16,388	-94%	41,990	
75400-Workforce Development	4,779	1,375	3,404	248%	3,300	
75500-Recruitment	2,325	7,833	-5,509	-70%	18,800	
77000-Sewage Treat.-Oceanside Plant	0	437,500	-437,500	-100%	1,050,000	
78000-Utilities - Electricity	242,615	242,708	-94	0%	582,500	
78300-Hazardous Waster Material Disposal	4,380	5,000	-620	-12%	12,000	
78700-Utilities - Propane	504	6,458	-5,954	-92%	15,500	
78900-Trash Pick-Up	4,557	4,479	77	2%	10,750	
-Other Operating Expenses	3,123,067	3,445,033	-321,966	-9%	8,268,078	←
EXPENSE-Operating Expense	22,853,327	19,207,995	3,645,331	19%	46,099,188	
Operating Revenue (Expenses)	2,067,913	722,585	1,345,328	186%	1,734,205	
Non Operating :						
49301-Property Tax Rev. - Ad Valorem	71,136	189,583	-118,447	-62%	455,000	
-Property Tax Revenue	71,136	189,583	-118,447	-62%	455,000	
49200-Interest Revenues	-5	0	-5			
-Investment Income	-5	0	-5			
49050-Revenue Billing Adjustments	21,316	0	21,316		0	
49106-Other Intergovernmental - State	0	1,250	-1,250	-100%	3,000	
49107-Recycling Revenue	0	3,333	-3,333	-100%	8,000	
49109-Miscellaneous Revenue	63,808	15,000	48,808	325%	36,000	
49114-Misc Revenue - Eng. Services	3,300	2,083	1,217	58%	5,000	
57050-Expense Billing Adjustments	20,893	0	20,893		0	
57525-Loan Costs	0	0	0			
-Other Nonoperating Revenue/Expense	67,531	21,667	45,865	212%	52,000	
-Non Operating Revenue (Expenses)	138,662	211,250	-72,588	-34%	507,000	
Debt Service		989,511	-989,511	-100%	2,374,827	
Current Year Net Revenue Less Expense*	\$ 2,206,575				\$ (133,622)	

*Does not Include: Depreciation Expense

Operating & Debt Service Fund Balance

Current Year

FY21 Beginning Cash

\$5,917,191

Fund Balances:	Water Operating	Wastewater Operating	General Operating	Rate Stabilization	Debt Service	TOTAL
	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21	FY 20/21
Beginning Available Balance	\$286,838	\$1,489,894	\$1,122,838	\$3,603,760	\$664,639	\$7,167,969
Transfer to Water Capital				(3,603,760)		(3,603,760)
Transfer to/from Rate Stabilization						0
Budgeted Operating Surplus (Loss)	100,547	(234,170)	8,159,423		(2,447,793)	5,578,007
Transfers In/(Out)			(8,159,423)		2,447,793	(5,711,630)
Projected Ending Available Balance	\$387,385	\$1,255,724	\$1,122,838	(\$0)	\$664,639	\$3,430,586

Water Capital Fund Balance

Fund 26 & 60

FY21 Beginning Cash

\$2,340,919

Fund Balances:

	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	\$1,497,755	(\$3,312,104)	(\$5,765,151)	(\$3,880,905)
Transfer From Rate Stabilization	3,603,760			
Financing		5,000,000		
Transfer from Operating Reserves		3,349,172	4,809,246	4,018,854
Capacity Fees Current Year				
Less: Capital Labor	(300,000)	(300,000)	(300,000)	(300,000)
Less: Capital Project Budgets	(8,113,619)	(10,502,219)	(2,625,000)	(7,512,000)
Projected Worst Case Ending Available Balance	(\$3,312,104)	(\$5,765,151)	(\$3,880,905)	(\$7,674,050)
Forecasted Capacity Fees	2,069,801	3,265,916	1,653,761	7,031,084
Potential Ending Available Balance	(\$1,242,303)	(\$429,434)	\$3,108,573	\$6,346,512

Capital Project Budgets Water:

GL Project #	Project Name	Project Budgets					
		Actuals FY 19/20	Budget FY 20/21	YTD Actuals	Budget FY 21/22	Budget FY 22/23	Budget FY 23/24
				as of 11/19/2020 FY 20/21			
300007	Programatic EIR for Existing Easements	\$36,236	\$450,000	\$29,736			
300008	New District Headquarters	25,457	200,000	35,848	300,000	300,000	2,000,000
600000	Highway 76 Water Upsize			9,436			
600001	Rainbow Heights PS (#1) Upgrades/Recon.	85,390	1,303,698	442,266	1,303,699		
600002	Gird to Monserate Hill Water Line						1,400,000
600003	San Luis Rey Imported Return Flow Recovery	15,586					600,000
600007	Pressure Reducing Stations	919,844	750,000	295,437	800,000	250,000	800,000
600008	Weese WTP Permanent Emergency Interconnect and Pressure Sta	156	500,000	2,187	1,250,000		
600009	Isolation Valve Installation Program	28,433	150,000	10,488			
600013	Hutton & Turner Pump Stations (SDCWA Shutdown Pump Stations)	37,583		35,450			
600014	Morro Tank Zone Permanent FPUD Interconnection					150,000	
600015	Water Condition Assessment	72,983		32,446			
600017	Pressure Reducing Station Replacement Program (Rehabilitation)	578	300,000	82,882			
600019	Water System Monitoring Program	62,481		10,096		1,000,000	
600021	Pipeline Upgrade Project	132,486	3,250,000	53,866	1,000,000		
600024	Meters for Developments			59,899			
600026	Camino Del Rey Waterline Reloaction	8,925		15	2,100,000		
600029	Via Ararat Drive Waterline Project	280,121		45			
600030	Corrosion Prevention Program Development and Implementation	196,774	250,000	9,077	250,000	250,000	250,000
600031	Olive Hill Estates Transmission Line Reconnection	140,915	1,500,000	1,069,241			
600034	Rice Canyon Tank Transmission PL to I-15/SR76 Corridor		1,000,000	38,615	3,000,000		
600035	Tank and Reservoir Mixing Upgrades		250,000	465	1,500,000		
600036	Pipeline Upgrade Project 2 (PUP 2) (Inactivate & Consolidate to 600021)	65,434		221,348			3,000,000
600037	Live Oak Park Road Bridge Replacement	18,891		782	600,000		
600038	Blue Breton Water System Looping Project		370,000		400,000		
600039	Sarah Ann Gird SS Forcemain (Inactivate & Concolidate to 530018)	11,583		12,105			
600040	Vallecitos PS Relocation		530,000	780	500,000		
600042	Via Vera & West Lilac Water Pipeline Improvements (Inactivate & Consolidate to 600021)			581			
600044	Sagewood Road Water Pipeline Improvements (Inactivate & Consolidate to 600021)			1,285			
600045	Gopher Canyon Water Pipeline Improvements (Inactivate & Consolidate to 600021)			411			
600046	Sampling Ports for testing Project Completed		25,000				
600047	Generator at Sumac					250,000	
600048	Northside Zone Supply Redundancy						500,000
600049	Gomez PS Building		250,000		750,000		

Capital Project Budgets Water: (continued)

GL Project #	Project Name	Actuals	Budget	YTD Actuals	Budget	Budget	Budget
		FY 19/20	FY 20/21	as of 11/19/2020 FY 20/21	FY 21/22	FY 22/23	FY 23/24
600050	Lookout Mountain Electrical Upgrade. The Complete electrical upgrade w/emerg. generator					250,000	750,000
600051	North Feeder and Rainbow Hills Water Line Replacements				150,000	1,850,000	
600052	76 & Gird Permanent Emergency Pump Station (Project Inactivated)					75,000	725,000
600053	Rice Road Water Main Repair New 200' Pipe (Inactivate & Consilidate to 600021)			6,594			
600055	Pipe Lining			373			
600056	Hutton Turner Pump Station (Consolidated to 600013)		580,000		800,000		
600057	Turner Pump Station move to Turner (Consolidated to 600013)		580,000		800,000		
600058	Electrical Panel Switches						
610032	Beck Dam Inundation Map	27,959		61			
610036	Dentro de Lomas Repair	169,330		280			
N/A	Department Level Capital Expenses		559,000				
	Mission Road / FPU D Interconnect						70,000
	Northside Permanent FPU D Emergency Interconnection						150,000
	Pala Mesa Fairways 383 A and C		250,000				
	Sarah Ann Drive Line 400 A		375,000				
	Wilt Road (1331)				500,000		
	Katie Lendre Drive Line				250,000		
	Gird Road 1,600' upsize from 12" to 18" or larger		100,000		1,000,000		
	Katie Lendre Drive Line				250,000		
	Del Rio Estates Line Ext 503						250,000
	East Heights Line 147L						500,000
	Los Alisos South 243						500,000
	East Heights Line 147A						250,000
	Via Zara						125,000
	Roy Line Ext						250,000
	Spanish Oaks						400,000
Total		\$2,337,146	\$13,522,698	\$2,462,094	\$17,503,699	\$4,375,000	\$12,520,000
	@60%		\$8,113,619		\$10,502,219	\$2,625,000	\$7,512,000

Water Service Upgrade Project Fund Balance

FY21 Beginning Cash
 \$ 7,261,642

Fund Balances:	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	\$7,168,951	\$3,068,951	\$ (131,049)	\$ (131,049)
Less: Meter Replacement/Upgrade Project	(4,100,000)	(3,200,000)	0	0
Projected Fund Balance	\$3,068,951	\$ (131,049)	\$ (131,049)	\$ (131,049)

Capital Project Budgets:

		Project Budgets					
GL Project #	Project Name	Actuals FY 19/20	Budget FY 20/21	YTD Actuals as of 11/19/2020 FY 20/21	Budget FY 21/22	Budget FY 22/23	Budget FY 23/24
600027	Service Meter Replacement	\$3,403,236	\$1,300,000	\$145,448	\$1,400,000		
600028	Water Service Upgrade	497,891	2,800,000	515,636	1,800,000		
Total		\$3,901,128	\$4,100,000	\$661,084	\$3,200,000	\$ -	\$ -

Wastewater Capital Fund Balance

Fund 52 & 53 FY21 Beginning Cash
\$13,486,918

Fund Balances:	FY 20/21	FY 21/22	FY 22/23	FY 23/24
Beginning Available Balance	13,696,383.91	\$8,196,384	(\$1,103,616)	(\$1,528,616)
Restricted CFD Funds*	2,750,000			
Financing				
Sewer Connections Current Year				
Less: Capital Project Budgets	(8,250,000)	(9,300,000)	(425,000)	(850,000)
Projected Worst Case Ending Available Balance	\$8,196,384	(\$1,103,616)	(\$1,528,616)	(\$2,378,616)
Forecasted Sewer Connections	7,421,800	6,003,550	42,378	8,958,709
Potential Ending Available Balance	\$15,618,184	\$12,321,734	\$11,939,112	\$20,047,822

**Restricted Cash amounts are available for drawdown throughout the specified Capital Project process.*

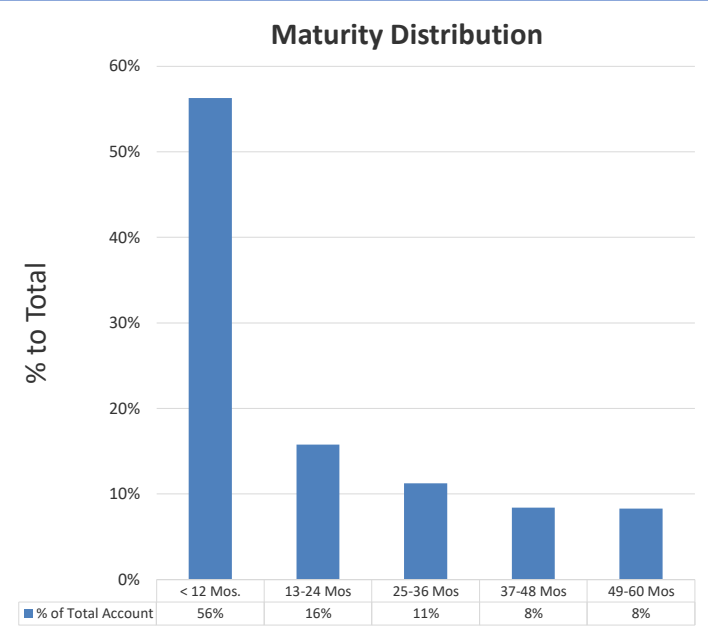
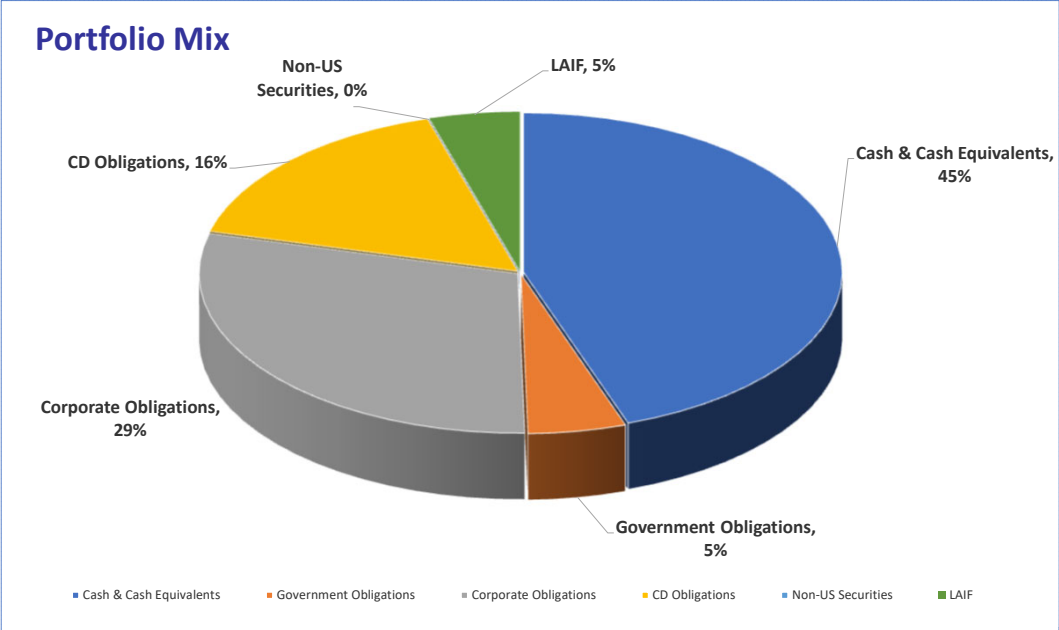
Capital Project Budgets Wastewater:

GL Project #	Project Name	Project Budgets					
		Actuals FY 19/20	Budget FY 20/21	YTD Actuals as of 11/19/2020 FY 20/21	Budget FY 21/22	Budget FY 22/23	Budget FY 23/24
530000	Highway 76 East - Sewer Upsize			\$ 543			
530001	School House Lift Station (#1) Replacement, San Luis Rey Interceptor from Mission to Thoroughbred LSEQ, and San Luis Rey Interceptor/Main From School House LS to Old River LS & Throughbred LS/EQ	37,849	3,000,000	65,968	6,000,000		
530006	Sewer System Rehabilitation Program		100,000		100,000	100,000	100,000
530015	Sewer System Condition Assessment Program		300,000	1,118			
530016	Sewer Lining Project	27,925		609			
530017	N River Road Land Outfall Rehabilitation (Operations Project)		2,500,000	549,865			
530018	Fallbrook Oaks Forcemain and Manhole Replacement		300,000	239			
530019	CIPP 500' of line 8" VCP line near Pala Mesa/Palomar						
530020	Rancho Viejo LS Wet Well Expansion						150,000
530021	Almendra Court, I-15 Crossing Sewer Rehabilitation		40,000				
530022	Fallbrook Oaks LS Rehabilitation						400,000
530023	Replace Rancho Monserate LS Emergency Generator					125,000	
530024	Old River Road LS Equalization Basin		1,000,000		2,500,000		
530025	Old River Road LS to Stallion Outfall Repair		500,000		500,000		
800016	North River Road Sewer Line Replacement	129,709		22,714			
N/A	Department Level Capital Expenses		310,000				
NA	City of Oceanside WW Plant		200,000		200,000	200,000	200,000
Total		\$ 195,484	\$ 8,250,000	\$ 640,513	\$ 9,300,000	\$ 425,000	\$ 850,000

RAINBOW MUNICIPAL WATER DISTRICT
TREASURER'S MONTHLY REPORT OF INVESTMENTS
PORTFOLIO SUMMARY
11/30/2020



TYPE	ISSUER	CUSIP	Bond Rating	Date of Maturity	Par Value	Cost Basis	Market Value*	Interest Rate	Yield to Maturity	Semi-Annual Interest	Days to Maturity	Object
Money Market Funds	JP MORGAN MONEY MARKET	48125C068S	N/A			\$ 1,095,344	\$ 1,095,344				0	11508
Trust	Willimington Trust	CSCDA 2017-01				\$ 2,750,000	\$ 2,750,000				0	10301
Money Market Funds	Zions Bank	7326251D				\$ 629,121	\$ 629,121	2.090%			0	10310
Money Market Funds	Zions Bank	7326250				\$ 4,990,727	\$ 4,990,727	2.060%			0	10311
Money Market Funds	Zions Bank	7326251E				\$ 1,642,205	\$ 1,642,205	2.090%			0	10309
Total Cash & Cash Equivalents					\$ -	\$ 11,107,398	\$ 11,107,398					
Non-Callable	FEDERAL HOME LOAN BANK BONDS	3130AD4X7	Aaa	12/11/20	\$ 500,000	\$ 494,905	\$ 500,260	2.000%	2.400%	\$ 4,949	11	11508
Non-Callable	FEDERAL FARM CR BKS	3133EHRU9	Aaa	07/19/22	\$ 200,000	\$ 200,938	\$ 205,602	1.900%	1.800%	\$ 1,909	596	11508
Non-Callable	FEDERAL HOME LOAN BANKS	3130ADR9G	Aaa	03/10/23	\$ 500,000	\$ 501,990	\$ 528,955	2.670%	2.660%	\$ 6,702	830	11508
Total Government Obligations					\$ 1,200,000	\$ 1,197,832	\$ 1,234,817					
Make Whole	CITIBANK NA	17325FAQ1	Aa3	07/23/21	\$ 475,000	\$ 486,623	\$ 483,365	3.400%	2.150%	\$ 8,075	235	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 308,000	\$ 315,377	\$ 318,783	3.150%	1.900%	\$ 13,860	487	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 290,400	\$ 297,355	\$ 300,567	3.150%	1.900%	\$ 13,860	487	11508
Callable 3/1/22	UNION BK CALIF N A MEDIUM TERM	90520EAH4	A2	04/01/22	\$ 281,600	\$ 288,344	\$ 291,459	3.150%	1.900%	\$ 13,860	487	11508
Non-Callable	WELLS FARGC	95000U2B8	A2	07/22/22	\$ 980,000	\$ 989,232	\$ 1,015,358	2.610%	2.410%	\$ 12,909	599	11508
Callable 10/1/22	PNC BK N A PITTSBURG PA	69349LAG3	A3	11/01/22	\$ 980,000	\$ 999,179	\$ 1,021,278	2.700%	2.065%	\$ 13,489	701	11508
Bullet	BANK OF AMERICA CORP	06051GEU9	A2	01/11/23	\$ 475,000	\$ 490,794	\$ 503,709	3.300%	2.300%	\$ 7,838	772	11508
Bullet	JP MORGAN CHASE AND CC	46625HJX98	A2	05/13/24	\$ 930,000	\$ 981,522	\$ 1,025,762	3.625%	2.400%	\$ 16,856	1260	11508
Stepped/CBLE 2/28/25	WELLS FARGO & CC	95001D5X4	A2	02/28/25	\$ 850,000	\$ 858,075	\$ 844,118	2.050%	2.060%	\$ 8,713	1551	11508
Callable 9/10/25	AMERICAN HOND FIN CORP MTN	02665WDN8		09/10/25	\$ 500,000	\$ 506,050	\$ 504,570	1.000%	1.300%	\$ 2,500	1745	11508
Callable 9/30/23	CITIGROUP INC	17298CKE7	A3	09/30/23	\$ 1,000,000	\$ 1,000,000	\$ 996,620	1.000%	1.000%	\$ 5,000	1034	11508
Total Corporate Obligations					\$ 7,070,000	\$ 7,212,550	\$ 7,305,589					
FDIC Ins. CD	DISCOVER BANK	254672F29	N/A	08/10/21	\$ 248,000	\$ 248,000	\$ 250,497	1.520%	1.500%	\$ 1,885	253	11508
FDIC Ins. CD	WELLS FARGO BANK NATL ASSN	949763AF3	N/A	08/17/21	\$ 98,000	\$ 98,000	\$ 99,042	1.570%	1.550%	\$ 769	260	11508
FDIC Ins. CD	WELLS FARGO BANK NATL ASSN	949763AF3	N/A	08/17/21	\$ 150,000	\$ 150,000	\$ 151,595	1.570%	1.550%	\$ 1,178	260	11508
FDIC Ins. CD	MB FINL BK NA CHIC IL	55266CZJ8	N/A	11/18/21	\$ 247,000	\$ 247,000	\$ 253,647	2.810%	2.850%	\$ 3,470	353	11508
FDIC Ins. CD	FLAGSTAR BK FSB TROY MICH	33847E2K2	N/A	06/13/22	\$ 245,000	\$ 246,749	\$ 253,766	2.440%	2.200%	\$ 3,010	560	11508
FDIC Ins. CD	GOLDMAN SACHS BK USA NY	38148PKT3	N/A	06/14/22	\$ 245,000	\$ 245,000	\$ 253,406	2.340%	2.350%	\$ 2,867	561	11508
FDIC Ins. CD	CAPITAL ONE NATL ASSN VA	14042RKL4	N/A	11/22/22	\$ 250,000	\$ 250,000	\$ 261,065	2.400%	2.400%	\$ 3,000	722	11508
FDIC Ins. CD	MORGAN STANLEY	61747MF63	N/A	01/11/23	\$ 246,000	\$ 246,000	\$ 258,905	2.630%	2.650%	\$ 3,235	772	11508
FDIC Ins. CD	BMW BANK NORTH AMER	05580AMB7	N/A	03/29/23	\$ 240,000	\$ 240,000	\$ 255,223	2.860%	2.900%	\$ 3,432	849	11508
FDIC Ins. CD	SALLIE MAE BK SLT LAKE CITY	795450M44	Aaa	04/11/23	\$ 240,000	\$ 240,000	\$ 255,734	2.900%	2.950%	\$ 3,480	862	11508
FDIC Ins. CD	CAPITAL ONE BANK (USA) NAT	1402TAW7	N/A	06/19/24	\$ 245,000	\$ 245,000	\$ 264,585	2.520%	2.500%	\$ 3,087	1297	11508
FDIC Ins. CD	MORGAN STANLEY PVT BK PURCHA	61760AL49	N/A	06/24/24	\$ 245,000	\$ 245,000	\$ 262,510	2.290%	2.250%	\$ 2,805	1302	11508
FDIC Ins. CD	FIRST NATL BK MCGREGOR TEX	32112UDA6	N/A	06/28/24	\$ 249,000	\$ 250,743	\$ 269,665	2.300%	2.150%	\$ 2,884	1306	11508
FDIC Ins. CD	MERRICK BK SOUTH JORDAN UTAH	59013KBV7	N/A	07/31/24	\$ 249,000	\$ 249,000	\$ 266,741	2.200%	2.200%	\$ 2,739	1339	11508
FDIC Ins. CD	BMO HARRIS BY NATL CHIC	05581W7S8	NA	05/28/25	\$ 210,000	\$ 210,000	\$ 210,096	0.750%	0.750%	\$ 788	1640	11508
FDIC Ins. CD	STATE BK INDIA CHICAGO ILL	856283N69	NA	06/26/25	\$ 248,000	\$ 252,166	\$ 251,750	0.950%	0.940%	\$ 1,198	1669	11508
FDIC Ins. CD	JPMORGAN CHASE BK NA COLUMBU	48128UHS1	NA	07/31/25	\$ 249,000	\$ 249,000	\$ 249,202	0.550%	0.550%	\$ 685	1704	11508
Total CD Obligations					\$ 3,904,000	\$ 3,911,659	\$ 4,067,429					
Total Non-US Securities					\$ -	\$ -	\$ -					
Subtotal Long Term Pooled Investment	Local Agency Investment Fund (LAIF)**	1.004114534			\$ 12,174,000	\$ 23,429,438	\$ 23,715,232					
						\$ 2,092,429	\$ 1,142,429			\$ -		13103
Portfolio Totals						\$ 25,521,867	\$ 24,857,661					



This monthly report accurately reflects all District pooled investments. It is in conformity with the Investment Administrative code section 5.03.080. The District has sufficient cash flow to meet six months of obligations. This is in effect is in compliance with the current Investment Policy.

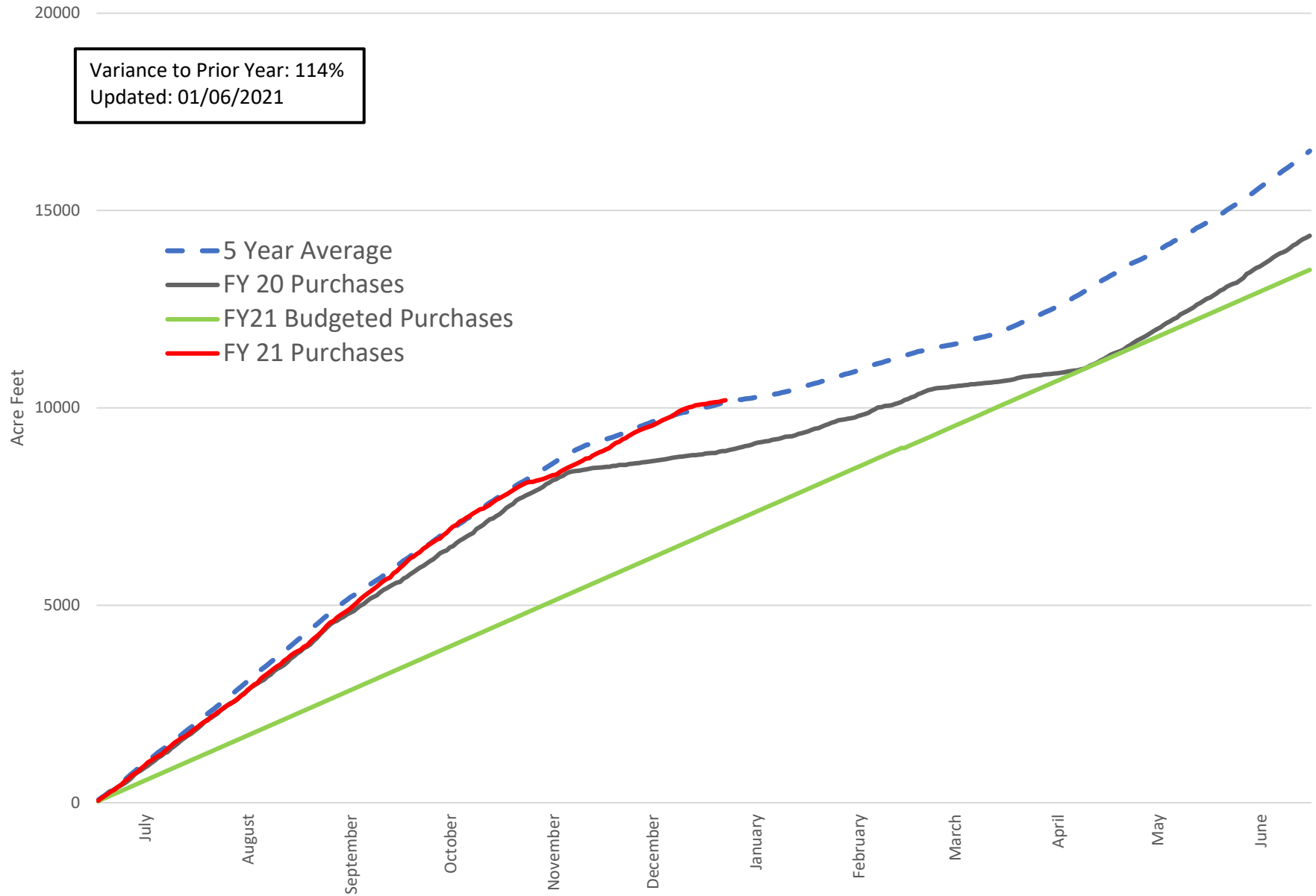
Tracy Largent
 Tracy Largent, Treasurer

12/29/2020

*Source of Market Value - MUFG monthly statements
 **Source of LAIF FMV - CA State Treasurer Pooled Money Investment Account @ <https://www.treasurer.ca.gov/pmia-laif/reports/valuation.asp>

System Demands Comparison Chart

Variance to Prior Year: 114%
Updated: 01/06/2021



Comparative Water Sales YTD from Prior Years

FISCAL YEAR 2020-2021

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
553	AD	34,763	39,406	46,230	42,207	42,502								471
400	AG	109,886	131,840	137,233	129,665	129,675								1,465
267	CM	43,615	49,777	48,946	49,458	49,458								554
19	CN	6,330	12,547	10,164	14,041	14,057								131
21	IS	2,513	2,972	3,359	3,231	3,231								35
114	MF	14,151	14,484	14,090	14,996	14,996								167
323	SC	137,945	133,502	160,919	156,961	156,961								1,713
1021	SD	186,337	204,966	223,721	227,262	229,964								2,462
5536	SF	169,793	186,711	189,918	187,388	189,511								2,120
8254	Total	705,333	776,205	834,580	825,209	830,355	-	-	-	-	-	-	-	9,118

FISCAL YEAR 2019-2020

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
553	AD	28,018	36,530	36,506	32,640	37,164								392
400	AG	113,285	139,802	139,715	135,633	132,703								1,518
267	CM	35,561	46,750	44,883	40,374	29,303								452
19	CN	1,484	1,549	1,183	1,041	1,286								15
21	IS	3,060	1,799	1,946	2,046	2,048								25
114	MF	11,910	11,187	11,539	11,065	12,605								134
323	SC	135,069	157,307	156,337	136,485	152,308								1,693
1021	SD	164,817	213,262	218,596	179,714	207,689								2,259
5536	SF	150,907	188,769	182,811	153,331	174,251								1,951
8254	Total	644,111	796,955	793,516	692,329	749,357	-	-	-	-	-	-	-	8,440

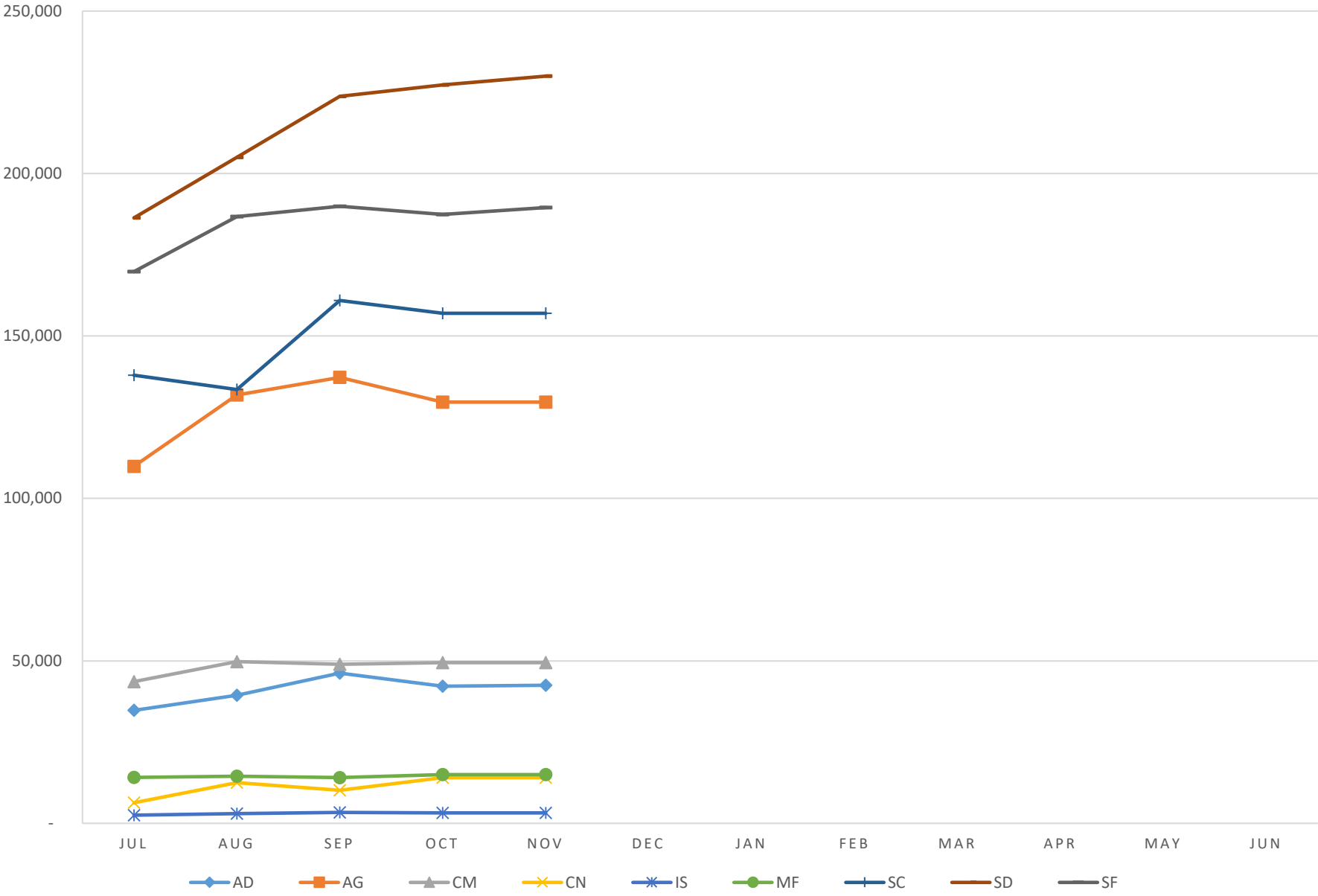
FISCAL YEAR 2018-2019

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
562	AD	34,648	47,312	45,104	28,007	29,134								423
402	AG	129,946	149,080	154,084	110,908	93,077								1,463
264	CM	51,483	67,254	66,114	36,283	24,307								563
23	CN	3,982	27,189	4,915	2,545	3,115								96
21	IS	4,964	3,824	3,852	3,447	2,161								42
112	MF	11,653	12,856	13,798	11,513	11,816								141
323	SC	165,088	203,887	203,899	134,052	132,762								1,928
1024	SD	230,264	264,247	273,401	189,659	170,318								2,589
5468	SF	168,323	192,173	207,384	146,492	144,114								1,971
8199	Total	800,351	967,822	972,551	662,906	610,804	-	-	-	-	-	-	-	9,216

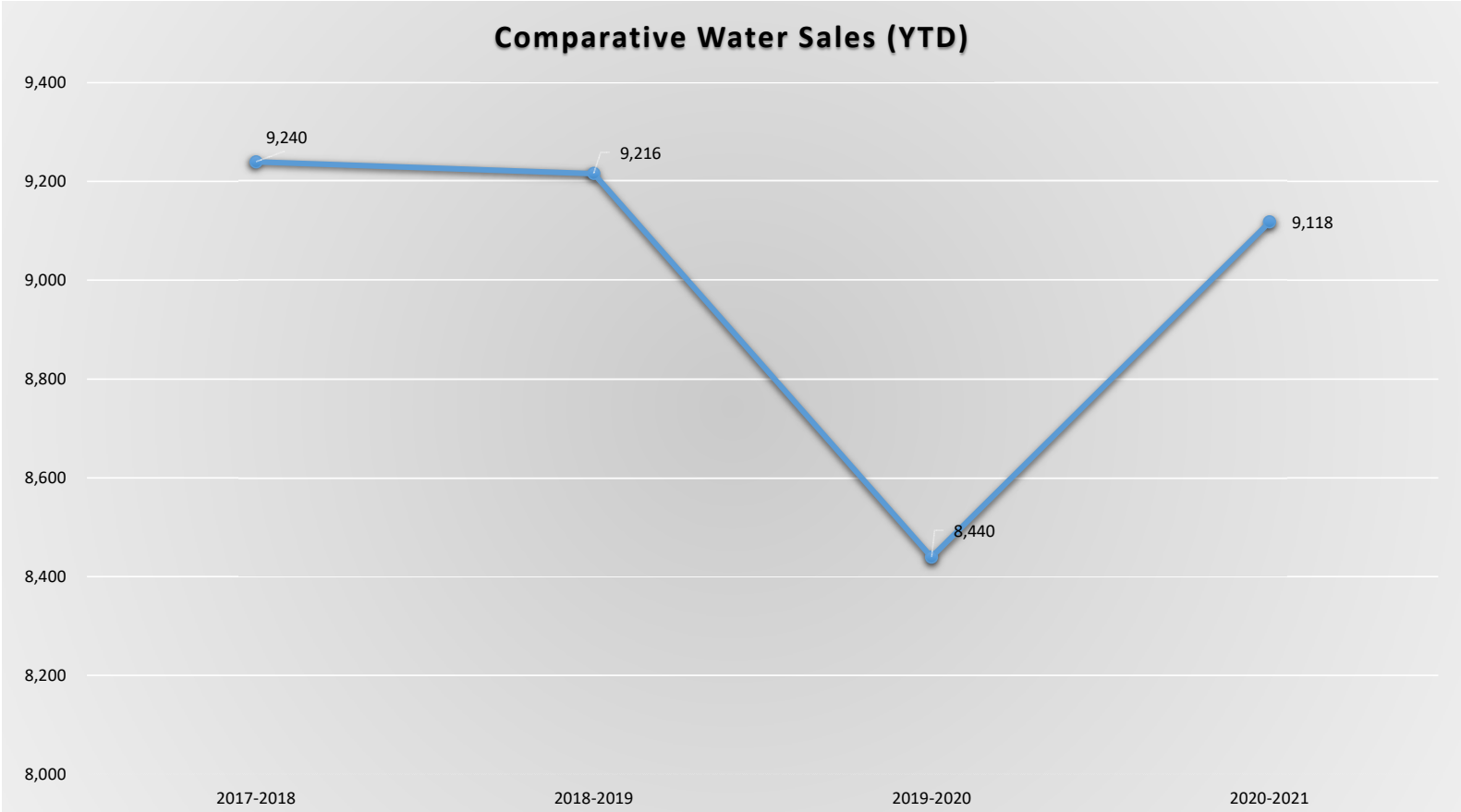
FISCAL YEAR 2017-2018

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
563	AD	33,310	29,712	36,164	31,255	32,514								374
395	AG	144,066	131,474	145,280	120,785	126,036								1,533
247	CM	33,715	42,488	33,812	26,189	24,168								368
32	CN	2,447	3,983	8,073	10,623	18,605								100
20	IS	2,320	2,440	2,793	2,488	2,335								28
96	MF	11,472	10,002	13,072	10,304	11,489								129
323	SC	179,822	156,120	202,103	148,336	176,307								1,980
1024	SD	244,799	223,157	271,457	222,398	243,725								2,768
5196	SF	174,946	165,760	194,809	155,004	162,664								1,959
7896	Total	826,897	765,136	907,563	727,382	797,843	-	-	-	-	-	-	-	9,240

USAGE BY CUSTOMER CLASS FY 20-21



Comparative Water Sales YTD from Prior Years





Check Register November 2020

Description	Bank Transaction Code	Issue Date	Amount
ADVANCED RADIATOR HEAT TRANSFER TECHNOLOGY INC	CHECK	11/25/2020	1,089.75
AIRGAS USA, LLC	ACH	11/13/2020	840.61
ARAMARK UNIFORM SERVICES	CHECK	11/13/2020	860.42
ARAMARK UNIFORM SERVICES	CHECK	11/25/2020	784.12
AT&T	CHECK	11/25/2020	167.15
AT&T	CHECK	11/25/2020	562.84
AT&T LONG DISTANCE	CHECK	11/25/2020	26.92
AT&T MOBILITY	CHECK	11/13/2020	2,098.34
ATLAS ENGINEERING WEST, INC.	CHECK	11/25/2020	128.00
AZUGA, INC.	CHECK	11/25/2020	1,136.95
BABCOCK LABORATORIES, INC	ACH	11/13/2020	1,143.00
BONSALL PEST CONTROL	CHECK	11/25/2020	200.00
BOOT WORLD, INC	ACH	11/13/2020	200.00
BRAX COMPANY, INC	CHECK	11/13/2020	9,985.00
BROWN & CALDWELL	CHECK	11/25/2020	6,866.13
BRYAN ROSE	CHECK	11/13/2020	100.00
CHRIS BROWN	ACH	11/13/2020	15,000.00
CHRIS HEINCY	CHECK	11/13/2020	171.83
CHRIS HEINCY	CHECK	11/25/2020	90.00
CITIBANK AS ESCROW AGENT FOR CITY OF SAN DIEGO & ORION	CHECK	11/25/2020	2,600.00
COLONIAL LIFE & ACCIDENT INS.	CHECK	11/13/2020	60.71
COLONIAL LIFE & ACCIDENT INS.	CHECK	11/25/2020	60.71
CONCORD ENVIRONMENTAL ENERGY, INC.	ACH	11/13/2020	51,493.55
CONCORD ENVIRONMENTAL ENERGY, INC.	ACH	11/25/2020	51,833.85
CORE & MAIN LP	CHECK	11/13/2020	3,532.86

Description	Bank Transaction Code	Issue Date	Amount
CORE & MAIN LP	CHECK	11/25/2020	6,508.10
COUNTY OF SAN DIEGO/REGISTRAR	CHECK	11/13/2020	9,000.00
CRACKS & CORNERS CLEANING SERVICE	ACH	11/25/2020	1,657.00
CRAIG SHOBE	CHECK	11/13/2020	560.00
CRAIG SHOBE	CHECK	11/25/2020	550.00
CUSTOM TRUCK BODY & EQUIPMENT, INC.	ACH	11/13/2020	2,852.22
DAVID SEYMOUR	CHECK	11/13/2020	1,089.00
DELL BUSINESS CREDIT	CHECK	11/25/2020	1,954.70
DEXTER WILSON ENGINEERING	CHECK	11/25/2020	10,535.00
DIAMOND ENVIRONMENTAL SERVICES	CHECK	11/13/2020	775.08
FALLBROOK AUTO PARTS	CHECK	11/25/2020	857.18
FALLBROOK EQUIPMENT RENTAL	ACH	11/25/2020	319.20
FALLBROOK IRRIGATION SUPPLIES	CHECK	11/13/2020	90.06
FALLBROOK WASTE AND RECYCLING	CHECK	11/13/2020	1,321.95
FEDEX	CHECK	11/25/2020	62.38
FLYERS ENERGY LLC	ACH	11/13/2020	3,288.78
FLYERS ENERGY LLC	ACH	11/25/2020	4,527.57
FREEDOM AUTOMATION, INC.	CHECK	11/13/2020	1,275.00
FREEWAY TRAILER SALES	CHECK	11/25/2020	64.60
GOLDEN STATE INDUSTRIAL COATINGS, INC.	CHECK	11/13/2020	2,000.00
GOVERNMENT FINANCE OFFICERS ASSOCIATION	CHECK	11/25/2020	150.00
GRANGETTO'S-FALLBROOK	CHECK	11/13/2020	1,213.27
HACH	CHECK	11/25/2020	7,116.36
HARRIS & ASSOCIATES, INC.	ACH	11/13/2020	14,437.50
HARRIS & ASSOCIATES, INC.	ACH	11/25/2020	26,400.00
HDR ENGINEERING, INC.	CHECK	11/25/2020	3,440.00
HELIX ENVIRONMENTAL PLANNING INC	CHECK	11/13/2020	16,277.00
HOUSTON AND HARRIS	CHECK	11/13/2020	4,597.50
HOUSTON AND HARRIS	CHECK	11/25/2020	1,807.50
IB CONSULTING, LLC	CHECK	11/13/2020	1,950.00
ICONIX WATERWORKS (US) INC	ACH	11/13/2020	40,368.03
ICONIX WATERWORKS (US) INC	ACH	11/25/2020	10,130.22
IMPACT DESIGN	CHECK	11/13/2020	175.37

Description	Bank Transaction Code	Issue Date	Amount
INFOR (US), INC.	ACH	11/13/2020	5,000.00
INFOR (US), INC.	ACH	11/25/2020	2,650.00
INFOSEND, INC.	CHECK	11/25/2020	4,695.59
INFRASTRUCTURE ENGINEERING CORPORATION	ACH	11/13/2020	3,460.50
INFRASTRUCTURE ENGINEERING CORPORATION	ACH	11/25/2020	675.00
INLAND WATER WORKS SUPPLY CO.	CHECK	11/13/2020	377.13
JUSTIN DEMARY	CHECK	11/13/2020	80.92
JUSTIN DEMARY	CHECK	11/25/2020	68.71
KDM MERIDIAN	CHECK	11/25/2020	5,320.00
KENNEDY/JENKS CONSULTANTS INC	ACH	11/25/2020	6,386.25
KEVIN MILLER	ACH	11/25/2020	1,089.00
KNOCKOUT PEST CONTROL& TERMITE, INC.	CHECK	11/13/2020	150.00
LINCOLN NATIONAL LIFE INSURANCE COMPANY	CHECK	11/25/2020	4,317.08
LIQUID ENVIRONMENTAL SOLUTIONS OF CA, LLC	ACH	11/13/2020	210.00
MASTERCRAFT HOMES GROUP, LLC	CHECK	11/25/2020	38,502.00
MOBILE MINI, INC	CHECK	11/13/2020	161.23
MOBILE MINI, INC	CHECK	11/25/2020	1,162.55
MODULAR BUILDING CONCEPTS, INC	CHECK	11/13/2020	1,315.63
NATIONAL SAFETY COMPLIANCE,INC	CHECK	11/13/2020	89.95
NUTRIEN AG SOLUTIONS, INC	CHECK	11/13/2020	59.44
OCCUPATIONAL HEALTH CENTERS OF CA, A MEDICAL CORP	CHECK	11/13/2020	545.00
OCCUPATIONAL HEALTH CENTERS OF CA, A MEDICAL CORP	CHECK	11/25/2020	510.00
O'REILLY AUTO PARTS	CHECK	11/13/2020	46.66
PACIFIC METROLOGY	CHECK	11/13/2020	207.00
PACIFIC METROLOGY	ACH	11/25/2020	138.00
PACIFIC PIPELINE SUPPLY	CHECK	11/13/2020	999.60
PACIFIC PIPELINE SUPPLY	CHECK	11/25/2020	3,729.22
PACIFIC SAFETY CENTER	CHECK	11/13/2020	395.00
PALOMAR BACKFLOW	ACH	11/25/2020	18,750.00
PALOMAR HEALTH	CHECK	11/13/2020	500.00
PARKHOUSE TIRE, INC.	ACH	11/13/2020	1,599.94
PATRIOT PORTABLE RESTROOMS-SD	ACH	11/13/2020	151.37
PERRAULT CORPORATION	CHECK	11/13/2020	1,439.15

Description	Bank Transaction Code	Issue Date	Amount
PERRAULT CORPORATION	CHECK	11/25/2020	2,523.86
PITNEY BOWES INC.	CHECK	11/25/2020	714.33
POLLUTION CONTROL DISTRICT COUNTY OF SAN DIEGO, AIR	CHECK	11/25/2020	450.00
PRECISION MOBILE DETAILING	ACH	11/25/2020	641.00
PRINCIPAL LIFE INSURANCE COMPANY	ACH	11/25/2020	7,692.50
PUBLIC POLICY STRATEGIES, INC.	CHECK	11/13/2020	7,500.00
QUALITY CHEVROLET	ACH	11/25/2020	76.79
QUALITY GATE COMPANY	ACH	11/13/2020	200.00
RAIN FOR RENT RIVERSIDE	CHECK	11/13/2020	1,717.66
RAMON FRANCISCO COTE	CHECK	11/13/2020	341.00
RBC SERVICES, LLC	CHECK	11/13/2020	1,111.32
REM MECHANICAL, INC	ACH	11/13/2020	434.00
REM MECHANICAL, INC	ACH	11/25/2020	90.00
RENE BUSH	ACH	11/25/2020	726.00
RHO MONSERATE C.C.H.A.	CHECK	11/13/2020	356.30
ROTARY CLUB OF BONSTALL	CHECK	11/13/2020	1,200.00
RT LAWRENCE CORPORATION	ACH	11/13/2020	643.10
SAFETY-KLEEN	ACH	11/25/2020	572.44
SAN DIEGO GAS & ELECTRIC	CHECK	11/13/2020	56,102.47
SAN DIEGO GAS & ELECTRIC	CHECK	11/25/2020	3,726.27
SCW CONTRACTING CORPORATION	ACH	11/13/2020	378,879.00
SDCWA WATER PURCHASE- SEP 2020	WIRE	11/13/2020	3,408,380.08
SHRED-IT USA LLC	CHECK	11/13/2020	163.44
SOUTHWEST ANSWERING SERVICE, INC.	CHECK	11/13/2020	822.48
SPECIALTY MOWING SERVICES, INC - W9	ACH	11/13/2020	8,485.00
STREAMLINE	ACH	11/25/2020	300.00
SUE WEBB	CHECK	11/13/2020	49.03
SUPERIOR READY MIX	CHECK	11/13/2020	7,655.45
T S INDUSTRIAL SUPPLY	CHECK	11/13/2020	830.84
T S INDUSTRIAL SUPPLY	CHECK	11/25/2020	5,787.21
TCN, INC	CHECK	11/13/2020	15.86
TIAA COMMERCIAL FINANCE, INC.	CHECK	11/25/2020	5,397.35
TNG SECURITY INC. DBA CALIFORNIA COMMERCIAL SECURITY	CHECK	11/13/2020	368.04

Description	Bank Transaction Code	Issue Date	Amount
TRAFFIC SAFETY SOLUTIONS, LLC	ACH	11/13/2020	12,562.50
TRAFFIC SAFETY SOLUTIONS, LLC	ACH	11/25/2020	1,850.00
ULINE	CHECK	11/13/2020	366.63
UNDERGROUND SERVICE ALERT	ACH	11/13/2020	264.22
UNDERGROUND SERVICE ALERT	ACH	11/25/2020	216.25
UNION BANK CC - DAUGHERTY (OCTOBER STATEMENT)	EFT	11/16/2020	391.04
UNION BANK CC - DEL RIO (OCTOBER STATEMENT)	EFT	11/16/2020	96.00
UNION BANK CC - HARP (OCTOBER STATEMENT)	EFT	11/16/2020	362.66
UNION BANK CC - LAGUNAS (OCTOBER STATEMENT)	EFT	11/16/2020	141.12
UNION BANK CC - ROSE (OCTOBER STATEMENT)	EFT	11/16/2020	20.84
UNION BANK CC - WILLIAMS (OCTOBER STATEMENT)	EFT	11/16/2020	150.00
UTILITY SERVICE CO.	ACH	11/13/2020	198,275.58
WATER QUALITY SPECIALISTS	ACH	11/13/2020	1,950.00
WATERLINE TECHNOLOGIES INC.	CHECK	11/25/2020	3,221.73
WHITE CAP CONSTRUCTION SUPPLY	CHECK	11/13/2020	456.60
WILLDAN FINANCIAL SERVICES	CHECK	11/13/2020	2,500.00
ZOLL MEDICAL CORPORATION	CHECK	11/13/2020	141.36
		Total:	4,560,084.58

**Director's Expenses
FY 2020-2021**

Disbursement Date	Description	Helene Brazier	Miguel Gasca	Claude Hamilton	Michael Mack	Carl Rindfleisch
07/31/20	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
	TRAVEL EXPENSES MILEAGE EXPENSE				\$ 102.35	
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 252.35</u>	<u>\$ 150.00</u>
08/31/20	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
	TRAVEL EXPENSES MILEAGE EXPENSE					
	REIMBURSEMENT FROM DIRECTORS					
	Monthly Totals	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>	<u>\$ 150.00</u>

**Director's Expenses
FY 2020-2021**

Disbursement Date	Description	Helene Brazier	Miguel Gasca	Claude Hamilton	Michael Mack	Carl Rindfleisch
09/30/20	WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS TRAVEL EXPENSES MILEAGE AND EXPENSES REIMBURSEMENT FROM DIRECTORS		\$ 150.00	\$ 150.00	\$ 300.00	\$ 300.00
	Monthly Totals	\$ -	\$ 150.00	\$ 150.00	\$ 300.00	\$ 300.00
10/31/20	WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS TRAVEL EXPENSES MILEAGE AND EXPENSES REIMBURSEMENT FROM DIRECTORS		\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00
	Monthly Totals	\$ -	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00

**Director's Expenses
FY 2020-2021**

Disbursement Date	Description	Helene Brazier	Miguel Gasca	Claude Hamilton	Michael Mack	Carl Rindfleisch
11/30/20	WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS TRAVEL EXPENSES MILEAGE EXPENSE REIMBURSEMENT FROM DIRECTORS		\$ 375.00		\$ 375.00	
					\$ 150.00	\$ 450.00
	Monthly Totals	\$ -	\$ 375.00	\$ -	\$ 525.00	\$ 450.00
	REPORT TOTAL:	\$ 300.00	\$ 1,425.00	\$ 750.00	\$ 1,827.35	\$ 1,350.00



AMERICAN EXPRESS

November 2020

GL Finance Code	GL Transaction Amount	Description
GL 03 20 75300	375.00	ACWA
GL 03 20 75300	375.00	ACWA
GL 01 34 72000	1,044.90	AMAZON #112-0312811-6818624/PO #11080
GL 03 44 60100	181.76	AMAZON #112-0423492-5958623
GL 03 36 72000	80.49	AMAZON #112-2898210-3421057
GL 03 44 60100	62.00	AMAZON #112-4085770-5452254
GL 03 44 60100	252.33	AMAZON #112-5726409-7424255
GL 03 36 72000	11.67	AMAZON #112-6701598-9424238
GL 03 43 72500	87.39	AMAZON #112-7653731-7797036/PO #11050
GL 03 44 60100	42.96	AMAZON #112-7992751-7189065
GL 01 34 72000	19.38	AMAZON #113-1716397-1917804
GL 01 34 72000	87.89	AMAZON #113-4010977-3003406/PO #11034
GL 01 34 72000	87.89	AMAZON #113-4010977-3003406/PO #11034
GL 01 34 72000	303.96	AMAZON #113-4010977-3003406/PO #11034
GL 01 34 72000	13.02	AMAZON #113-4581670-9424228
GL 02 61 72000	99.14	AMAZON #113-4869055-2392265
GL 03 41 63401	205.53	AMAZON #113-7498662-4014656
GL 03 42 72000	21.52	AMAZON #113-7525663-0944235
GL 01 34 72000	543.75	AMAZON #114-0480708-0403450/PO #11097
GL 01 34 72000	4,309.99	AMAZON #114-4301529-1208241/PO #11026
GL 03 44 60100	0.25	AMAZON WEB SERVICES
GL 03 43 72000	95.00	AMERICAN SOCIETY
GL 03 43 72000	2.99	APPLE.COM
GL 03 44 60100	90.00	ATLASSIAN #AT-118210740
GL 03 44 60100	266.20	AUTHORIZE.NET, 11-1-20
GL 03 44 60100	237.39	AZURE #E0300CPNMZ
GL 03 42 56513	120.00	CANVAS

GL Finance Code	GL Transaction Amount	Description
GL 03 43 63400	255.75	COFFEE AMBASSADOR ##INV1899
GL 03 44 60100	192.50	CORELOGIC
GL 03 43 72000 800013	150.00	COVID CLINIC
GL 03 41 63401	78.79	CULLIGAN #113020
GL 03 44 60100	39.99	DIRECT TV
GL 03 44 60100	100.00	FLIPSTICK
GL 03 41 63400	76.50	FRUIT GUYS #5541600
GL 03 41 63400	38.25	FRUIT GUYS #5542370
GL 03 41 63400	76.50	FRUIT GUYS #5543146
GL 03 41 63400	38.25	FRUIT GUYS #5543910
GL 03 41 74100	965.20	JIVE
GL 03 44 60100	75.00	LOGMEIN.COM
GL 03 41 63400	750.00	NATUREBOX #11003
GL 03 41 70000	7,668.00	NOSSAMAN #514829
GL 60 99 70000 600021	1,313.50	NOSSAMAN #514829
GL 53 99 70000 530017	994.00	NOSSAMAN #514829
GL 60 99 70000 600035	923.00	NOSSAMAN #514829
GL 60 99 70000 600034	1,065.00	NOSSAMAN #514829
GL 01 99 70000 100013	284.00	NOSSAMAN #514829
GL 03 91 70000 610030	177.50	NOSSAMAN #514829
GL 03 41 70000	38,243.80	NOSSAMAN #514830
GL 03 41 70000	211.50	NOSSAMAN #514832
GL 03 41 70000	999.00	NOSSAMAN #514833
GL 03 91 70000 700027	8,201.49	NOSSAMAN #514834
GL 03 41 70000	5,853.30	NOSSAMAN #514835
GL 03 41 70000	3,376.61	NOSSAMAN #514837
GL 03 41 70000	749.40	NOSSAMAN #514838
GL 03 91 70000 610030	97.50	NOSSAMAN #514838
GL 03 43 72000	40.40	OFFICE DEPOT
GL 03 41 75300	17.65	PREPASS
GL 03 44 60100	10.00	RING
GL 03 42 56513	917.19	SYMBOL ARTS
GL 03 44 60100	2,671.00	TURTLE SHELL
GL 03 44 60100	36.08	WASABI

GL Finance Code	GL Transaction Amount	Description
GL 60 99 72000 600028	3,340.25	WESTERN WATER #1300303-00
GL 01 34 72000	300.00	WHIP AROUND
GL 01 35 72000	35.00	ZOHO #66489995
GL 03 44 60100	174.91	ZOOM
GL 01 99 21130	89,554.21	American Express (November Statement)

Rainbow MWD Developer Projections - Water

Installations

Development Name (Active) (Inactive)	Purchased	Anticipated Sales (Connections)							Water LF	PRS	Timing
		FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total			
Horse Ridge Creek	274.8		23.8					23.8	34407	1	In Progress
Horse Ridge Creek (RAH)	113							0			In Progress
Campus Park West								9			
Lilac Del Cielo			20	56				76	2247	1	Recent Activity
Golf Green Estates	77		20					20	5475		In Progress
Pala Mesa Highlands	104		27					27	10089	1	In Progress
Bonsall Oaks/Polo							154	154	21531	3	
Ocean Breeze (Vessels)							396	396			
								0			
Rancho Viejo Phase 3							47	47			
Campus Park							53	53			
Meadowood*			100	250	151			501		1	In Progress
Single Service Laterals		6	5	5	5	5	5	31			See Notes**
TOTAL WATER METERS	568.8	6	196	311	156	5	664	1,338			

Revenue Projections

Meter Size (in)	Revenue Per Meter (Existing)	Purchased	Anticipated Sales							
			FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total	
5/8	6,241									-
3/4	10,401	531.8		191	306	151		644		1,292
1	16,642	0	5	5	5	5	5	20		45
1 1/2	27,043	34	1							1
2	62,406	3								-
3	124,812									-
4	208,020									-
Total		568.8	6	196	311	156	5	664		1,338
Total Revenue			\$110,253	\$2,069,801	\$3,265,916	\$1,653,761	\$83,210	\$7,031,084		\$14,214,025

Notes:

*Actual amount will vary depending on final agreements.

**Average from last 10 years.

Rainbow MWD Developer Projections - Sewer

Installations

Development Name (Active) (Inactive)	Purchased (EDUs)	Anticipated Sales (EDUs)							Sewer LF	LS	Timing
		FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total			
Horse Ridge Creek	723							0	29916	1	In Progress
Horse Ridge Creek (RAH)	169.5							0			
Campus Park West								9			
Lilac Del Cielo	38.9		38.9					39	1382		Recent
Golf Green Estates	94.5		25.8					26	4318		In Progress
Pala Mesa Highlands	126.88		35.7					36	11501		In Progress
Bonsall Oaks/Polo	59.85							96.2	21027		Recent
Ocean Breeze (Vessels)								479			Recent
Rancho Viejo Phase 3								47			Recent
								0	2251		
Campus Park								0			
Meadowood*			422	422				844			
Misc. SFR			3	3	3	3	3	15			
TOTAL EDUs		-	525	425	3	3	634	1591			

Revenue Projections

		Purchased (EDUs)	Anticipated Sales						
			FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24+	Total
Existing Fee	\$ 14,126	281.23		525	425	3	3	634	1,591
Meadowwood		883							
Total			-	525	425	3	3	634	1,591
Total Revenue			\$0	\$7,421,800	\$6,003,550	\$42,378	\$42,378	\$8,958,709	\$22,468,816 **

Notes:

*Actual amount will vary depending on final agreements.

** Actual amounts will vary depending on final exchange agreements.

Rainbow Municipal Water District
Property spreadsheet

APN	Description of Use	Acreage
1023000800	North Reservoir	4.8
1023001100	U-1 Pump Station	0.14
1023005000	Rainbow Creek Crossing near North Reservoir	0.89
1023005300	Connection 9	0.01
1024300900	Pump Station across PS1 (not in use)	0.12
1025702000	U-1 Tanks	1.08
1026305400	Pump Station #1	0.33
1026602000	Booster Pump Station #4	0.03
1027001600	Pump Station #3	0.67
1071702800	Connection 7	1.60
1071702900	Pala Mesa Tank	10.35
1080206900	Northside Reservoir	9.23
1082210600	Beck Reservoir	27.25
1082210900	Near Beck Reservoir	4.82
1082211000	Near Beck Reservoir	6.23
1082211800	Near Beck Reservoir - Excess Property (not in use)	4.68
1084210600	Rice Canyon Tank	1.00
1084410300	Canonita Tank	2.41
1091410700	Gomez Creek Tank	1.00
1092310900	Rainbow Heights Tank	0.35
1092330300	Rainbow Heights Tank	0.99
1092341000	Rainbow Heights Concrete Tank - used for SCADA	1.74
1093101800	Vallecitos Tank	0.55
1093822800	Magee Tank	1.03
1093912400	Magee Pump Station	0.3
1100721000	Huntley Road Pump Station	0.52
1102203700	Huntley Chlorination Station (not in use)	0.2
1212011000	Morro Tank	0.31
1212011100	Morro Tank	4.85
1212011200	Morro Reservoir	13.01
1213300900	Morro Reservoir	6.79
1250703200	Sumac Reservoir (Not in Use)	1.72
1250902600	Headquarters	7.38
1250903400	Headquarters	4.43
1250903500	Headquarters	3.40
1250903800	Headquarters	17.03
1251002100	Rancho Viejo Lift Station #5	0.05
1252311800	Hutton Tank	1.39
1252312600	Hutton Tank	0.89
1260803100	Via de los Cepillos Easement	0.47
1261708700	Lift Station #2	0.08
1261708900	Lift Station #2	0.12
1263004200	Lift Station #1	0.01
1270710500	Bonsall Reservoir (Not in Use)	6.19
1270710600	Connection 6	0.28
1271512300	Turner Tank	15.12
1721404300	Gopher Canyon Tank	1.84
	<i>Total</i>	167.68

