



**ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA  
TRABUCO CANYON WATER DISTRICT  
ADMINISTRATION FACILITY  
32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA  
SEPTEMBER 6, 2023 AT 7:00 AM**

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**COMMITTEE MEMBERS**

Michael Safranski, Committee Chair  
Stephen Dopudja, Committee Member  
Don Chadd, Committee Member Alternate

**DISTRICT STAFF**

Fernando Paludi, General Manager  
Michael Perea, District Secretary  
Lorrie Lausten, District Engineer  
Gary Kessler, Water System Superintendent  
Oscar Ulloa, Wastewater Superintendent  
Jason Stroud, Maintenance Superintendent

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**AGENDA NOTE:**

*Trabuco Canyon Water District (District) will make this Engineering/Operational Committee Meeting available by telephone audio as follows:*

**Telephone Audio:** 1 (669) 900-6833

**Access Code:** 973-7562-7682

*Persons desiring to monitor the Committee meeting agenda items may download the agenda and documents on the internet at [www.tcwd.ca.gov](http://www.tcwd.ca.gov). You may submit public comments by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). In order to be part of the record, emailed comments on meeting agenda items must be received by the District at the referenced e-mail address not later than 7:00 a.m. (PDT) on the day of the meeting.*

**CALL MEETING TO ORDER**

**VISITOR PARTICIPATION**

*Members of the public wishing to address the Committee regarding a particular item on the agenda are requested to submit public comments by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). The Committee Chair will call on the visitor following the Committee's discussion about the matter. Committees do not constitute a quorum of the Board of Directors and Committee Members cannot make decisions on matters. The Committee makes recommendations only to the Board of Directors. Members of the public will be given the opportunity to speak to the Committee prior to making a recommendation on the matter. For persons desiring to make verbal comments and utilizing a translator to present their comments into English reasonable time accommodations, consistent with State law, shall be provided. Please limit comments to three minutes.*

**ORAL COMMUNICATION**

*Members of the public who wish to make comment on matters not appearing on the agenda are requested to submit oral communication by email to the Committee at [mperea@tcwd.ca.gov](mailto:mperea@tcwd.ca.gov). Under the requirements of State Law, Directors cannot take action on items not identified on the agenda and will not make decisions on such matters. The Board President may direct District Staff to follow up on issues as may be deemed appropriate. For persons desiring to make verbal comments and utilizing a translator to present their comments into English reasonable time accommodations, consistent with State law, shall be provided. Please limit comments to three minutes.*

**COMMITTEE MEMBER COMMENTS**

**REPORT FROM THE GENERAL MANAGER**

TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | SEPTEMBER 6, 2023

ENGINEERING MATTERS

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PRESENTER(S): FERNANDO PALUDI, GENERAL MANAGER  
MICHAEL PEREA, ASSISTANT GENERAL MANAGER  
LORRIE LAUSTEN, DISTRICT ENGINEER

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

**RECOMMENDED ACTION:**

*Approve the following Engineering/Operational Committee Meeting Recap(s) and recommend that the Board receive and file same (Consent Calendar).*

1. August 2, 2023

ITEM 2: QUARTERLY CAPITAL IMPROVEMENT PROGRAM (CIP) UPDATE

**RECOMMENDED ACTION:**

*Committee to receive information at the time of the Committee meeting.*

ITEM 3: DOVE CANYON SLOPE REPAIR

**RECOMMENDED ACTION:**

*Committee to receive additional information at the time of the meeting.*

ITEM 4: DOVE CANYON EASEMENTS

**RECOMMENDED ACTION:**

*Committee to receive additional information at the time of the meeting.*

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Lead and Copper Rule Revisions
2. Wastewater Blower Room Project
3. Master Plan/Condition Assessment Final Report
4. Other Projects

**RECOMMENDED ACTION:**

*Committee to receive project status updates at the time of the Committee Meeting.*

OPERATIONAL MATTERS

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PRESENTER(S): GARY KESSLER, WATER SYSTEM SUPERINTENDENT  
OSCAR ULLOA, WASTEWATER OPERATIONS SUPERINTENDENT  
JASON STROUD, MAINTENANCE DEPARTMENT SUPERINTENDENT

ITEM 6: WATER SYSTEM UPDATES

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | SEPTEMBER 6, 2023**

**ITEM 7: WASTEWATER SYSTEM UPDATES**

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**ITEM 8: MAINTENANCE DEPARTMENT UPDATES**

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**REGULATORY AND OTHER MATTERS**

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**ITEM 9: OTHER MATTERS/REPORTS**

**RECOMMENDED ACTION:**

*Hear Other Matters/Reports that may have arisen after the posting of the agenda.*

**ADJOURNMENT**

**AVAILABILITY OF AGENDA MATERIALS**

*Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Trabuco Canyon Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection at the Trabuco Canyon Water District Administrative Facility, 32003 Dove Canyon Drive, Trabuco Canyon, California (District Administrative Facility) or will be posted online on the District's website located at [www.tcwd.ca.gov](http://www.tcwd.ca.gov). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available online at [www.tcwd.ca.gov](http://www.tcwd.ca.gov) at the same time as they are distributed to the Board Members, except that, if such writings are distributed immediately prior to or during the meeting, they will be posted online on the District's website located at [www.tcwd.ca.gov](http://www.tcwd.ca.gov).*

**COMPLIANCE WITH THE REQUIREMENTS OF CALIFORNIA GOVERNMENT CODE SECTION 54954.2**

*In compliance with California law and the Americans with Disabilities Act, if you need special disability-related modifications or accommodations, including auxiliary aids or services in order to participate in the meeting, or if you need the agenda provided in an alternative format, please contact the District Secretary at (949) 858-0277, at least 48 hours in advance of the scheduled Board meeting. Notification at least 48 hours prior to the meeting will assist the District in making reasonable arrangements to accommodate your request. The Board Meeting Room is wheelchair accessible.*



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**ADMINISTRATIVE MATTERS**

**ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

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**RECOMMENDED ACTION:**

*Approve the following Engineering/Operational Committee Meeting Recap(s) and recommend that the Board receive and file same (Consent Calendar):*

- 1. August 2, 2023 Committee Meeting*

**CONTACTS (staff responsible): PALUDI/PEREA**



## TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 2, 2023

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### **DIRECTORS PRESENT**

Mike Safranski, Committee Chair  
Stephen Dopudja, Committee Member

### **STAFF PRESENT**

Fernando Paludi, General Manager  
Michael Perea, Assistant General Manager  
Lorrie Lausten, District Engineer  
Gary Kessler, Water Superintendent  
Jason Stroud, Maintenance Superintendent  
Oscar Ulloa, Wastewater Superintendent  
Karen Warner, Principal Accountant  
Phil Serpas, CMMS/SCADA Administrator  
Roseann Lejsek, Administrative Assistant

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Safranski called the August 2, 2023 Engineering/Operational Committee Meeting to order at 7:00 a.m.

### **VISITOR PARTICIPATION**

No comments were received.

### **ORAL COMMUNICATION**

No comments were received.

### **COMMITTEE MEMBER COMMENTS**

None were received.

### **REPORT FROM THE GENERAL MANAGER**

None were received.

### **ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

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Mr. Perea presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

- MOTION:** Approve the Engineering/Operational Committee Meeting Recap and recommended that the Board receive and file the same (Consent Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 2, 2023**

**ITEM 2: HERITAGE SEWER LIFT STATION DRY PIT IMPROVEMENTS**

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Ms. Lausten presented this matter for Committee consideration and review, and she provided an overview of the project. Ms. Lausten reported that the District has received two bids after publicly bidding the project, and she presented a bid evaluation which compared the bids from Ferreira Construction and GCI Construction. Discussion occurred concerning bid cost differences, specifically the costs associated with the proposed temporary sewer bypass system. Ms. Lausten expressed her confidence in the bids, and she recommended awarding the project to Ferreira Construction.

- MOTION:** Recommend the Board of Directors authorize the General Manager to execute a contract for Heritage Sewer Lift Station Dry Pit Improvements to Ferreira Construction in the not to exceed amount of \$173, 201, with 10% contingency of \$17,320, for a not to exceed amount of \$190,521 (Action Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

**ITEM 3: EL TORO SEWER LIFT STATION SURGE TANK AND OPERATIONAL IMPROVEMENTS**

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Mr. Paludi presented this project status update for Committee review, and he reported that this project has been completed and the station is online. Ms. Lausten provided an overview of the station upgrades and the associated challenges due to supply chain delays. Ms. Lausten reported that the District’s contractor has also completed the repair of the force main valve in El Toro Road before the start of a City of Lake Forest road improvement project

- MOTION:** None – Informational item only.

**ITEM 4: SCADA UPGRADE PROJECT ADDENDUM NO. 1 TO FY 2022/23 AGREEMENT WITH TESCO CONTROLS**

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Mr. Paludi presented this matter for Committee consideration and review, and he reported that this proposed addendum was missing in the original scope of work. Ms. Lausten reported that the Robinson Ranch panel upgrade was included in the project site work and network diagram but was missed due to site naming confusion. Ms. Lausten provided a review of the proposed addendum for the Committee, and she reported that the cost is approximately 20% higher than originally quoted. Discussion occurred concerning fiscal responsibility and the impacts of the change order. Director Dopudja asked how long staff has known of this oversight; Ms. Lausten reported that this matter has been known since January. Director Dopudja expressed his appreciation to staff for acknowledging the oversight, and he requested that staff work with TESCO Controls to negotiate for lower costs. Mr. Paludi provided background information on the recent sale of the company to a private equity firm and some of the associated project challenges.

- MOTION:** Recommend the Board of Directors authorize the General Manager to execute Addendum No. 1 to FY 2022/23 Agreement with TESCO Controls, Inc. for Robinson Ranch Panel Upgrade to TESCO Controls, Inc. in the not to exceed amount of \$96,250 (Action Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

**ITEM 5: PROJECT PARTNERS CONTRACT FOR DISTRICT STAFF AUGMENTATION**

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Mr. Paludi presented this matter for Committee consideration, and he commented that the adopted capital improvement project (CIP) budgets for the next five years are ambitious, and that staff needs assistance. Mr. Paludi reported that District staff has reached out to Project Partners (Consultant) for a cost-effective solution to augment staff to meet the needs of the CIP projects. Director Safranski asked if this proposed staff augmentation was included in the adopted budget; Mr. Paludi reported that the costs would be capitalized by the project. Director Dopudja supported the recommendation by acknowledging the reasonable hourly rate for the consultant.

- MOTION:** Recommend the Board of Directors authorize the General Manager to execute a contract for As-Needed Project Management Support to Project Partners in the not to exceed amount of \$162,000 (Action Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

**ITEM 6: RATIFICATION OF THE PURCHASE OF FOUR NEW UTILITY TRUCK FLEET VEHICLES**

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Mr. Paludi presented this matter for Committee consideration, and he mentioned that District staff is responding to recently adopted regulatory requirements. Mr. Perea provided background information on the California Air Resources Board (CARB) Advanced Clean Fleets (ACF) regulation adopted in April 2023 that will require local agencies to transition to zero emission vehicle fleets beginning in 2024 through 2027. Mr. Perea reported that the District budgeted for the purchase of two new vehicles in FY 2023/24, but is recommending the acceleration of the purchase of two additional vehicles budgeted for FY 2024/25 as a cost control measure. Director Dopudja mentioned that this matter was discussed at Executive Committee, and he expressed disappointment that the matter was not discussed further with the committee; Mr. Perea acknowledged that there was confusion in agendizing the matter for discussion. Discussion occurred regarding current battery technology challenges and investment strategies for zero emission vehicle fleet enhancement and associated charging infrastructure costs. Mr. Perea recommended the ratification of vehicle purchases.

- MOTION:** Recommend the Board of Directors ratify the purchase of four (4) new utility truck fleet vehicles from Tuttle Click Ford for a not to exceed amount of \$249,928.80 (Action Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

**ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

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**1. Saddleback Meadows On-Site Improvements: RFP for Plan Check Services**

Mr. Paludi provided an update concerning the ongoing discussion with the developer concerning the proposed water storage needs and the preparation of a conditional will serve letter which would require the preparation of a cost-sharing agreement for the construction of a new water storage tank at Harris Grade as a condition of water service. The developer is requesting the acceleration of the project plan check requirements. Director Dopudja expressed concerns with performing the plan check without a conditional will serve letter, and he

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 2, 2023**

did not support a partial plan check. Ms. Lausten expressed her concerns with performing the plan check prior to the issuance of conditional will serve letter. The Committee recommended the completion of the conditional will serve letter for the developer.

**2. Dove Canyon Plaza Improvements and Agreement**

Mr. Paludi presented this matter for Committee consideration, and he reported that District staff is working with the property owner on improvements for fire protection and renegotiating the existing reciprocal parking agreement. Mr. Paludi provided a brief update on progress efforts, and he mentioned this matter will be agendaized for discussion with the Executive Committee.

**3. Other Projects –**

Mr. Paludi reported that Dove Canyon Master Association (DCMA) has received proposals for the repair of the damaged v-ditch below the District’s Dove Reservoir. Discussion occurred concerning property ownership and responsibilities. Mr. Paludi added that DCMA plans to complete the work by November 2023, and that District staff will engage with the DCMA Property Manager on this matter.

**MOTION:** None – Informational item only.

**ITEM 8: WATER SYSTEM UPDATES**

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Mr. Kessler reviewed the projects and repairs for the prior two months, and he reported that Water Operations staff has completed the following tasks:

1. Worked with Ferreira Construction to replace water service on Saratoga in Dove Canyon.
2. Repaired leaking water service on Pine St. In Trabuco Oaks area.
3. Repaired leaking water service on Shadow Rock in Robinson Ranch.
4. Repaired leaking water service on Sycamore in Trabuco Oaks area.
5. Replaced hydrant on Sycamore Canyon in Dove Canyon.
6. Worked extensively with developer and contractors at the Saddle Crest development.
7. Continued to work with TESCO Controls to finish upgrades at GWTF.

Mr. Kessler presented the Water System Summary for Committee review, and he provided updates on the GWTF production. Mr. Kessler provided an update concerning recent water quality issues with Irvine Lake water, and he reported that the District has utilized other agency interconnections to supplement groundwater production to meet system demands. Discussion occurred concerning potential remedies to the Irvine Lake water quality issues.

**MOTION:** None – Informational item only.

**ITEM 9: WASTEWATER SYSTEM UPDATES**

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Mr. Ulloa reviewed the projects and repairs for the prior two months, and he reported that Wastewater Operations staff had completed the following tasks:

1. Assisted TESCO Controls with El Toro Lift Station Startup
2. Repaired 12” flow meter at El Toro Lift Station
3. Replace the aeration system in the W. SBR at the WWTP
4. Installed new drainpipe for SBR tanks at the WWTP
5. Replaced two blower motors at the WWTP
6. Assisted in the recoating of three manholes (two in Dove Canyon/ one in Rancho Cielo)
7. Completed Cla-Val maintenance for the recycled distribution system.

**TRABUCO CANYON WATER DISTRICT  
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8. Assisted in the repair of El Toro Lift Station 8" force main valve.
9. Coordinated and assisted with the bypass for Golf Club surge tank leak repair.

Mr. Ulloa presented the Recycled Water System Summary for Committee review, and he reported that Tick Creek/Dove Creek pump stations were online. Mr. Ulloa reported that Dove Lake freeboard was currently at three feet. Discussion occurred concerning the urban water recovery agreement with Santa Margarita Water District (SMWD).

**MOTION:** None – Informational item only.

**ITEM 10: MAINTENANCE DEPARTMENT UPDATES**

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Mr. Stroud reviewed the projects and repairs for the prior two months, and he reported that Maintenance staff completed the following tasks:

**Projects and Repairs**

Maintenance staff performed and/or completed the following tasks and projects:

**Water Operations**

1. Installed a new wet well sump pump at the Trabuco Creek Groundwater Treatment Facility

**Wastewater Operations**

1. Worked with Vaughn Industries onsite at Robinson Ranch WWTP to align both SBR multi-vane blowers.
2. Assisted with the installation of a new mixer on West SBR.
3. Weed whacked and installed new inlet screens at Shadow-Rock Detention Basin Facility.
4. Worked with Ferreira Construction onsite at El Toro Sewer Lift Station force main to dig up and inspect 8" valve. Replaced broken sheer pin.
5. Assisted JPIA inspector from Asset Works at the Robinson Ranch WWTP.

**District Fleet Upgrades & Other Projects**

1. Purchased and received four new F250 4x4 service trucks.

**MOTION:** None – Informational item only.

**ITEM 11: OTHER MATTERS/REPORTS**

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Mr. Perea reported that District staff has engaged with the District's Southern California Edison (SCE) representative to perform an energy efficiency evaluation of certain District facilities based on current electrical rates and demands in comparison with other rate opportunities and facility improvements. Director Safranski expressed his support in the effort to reduce the District's energy costs and improve overall efficiency.

**MOTION:** None – Informational item only.

**ADJOURNMENT**

Director Safranski adjourned the August 2, 2023 Engineering/Operational Committee Meeting at 8:30 a.m.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**ENGINEERING MATTERS**

**ITEM 2: QUARTERLY CAPITAL IMPROVEMENT PROGRAM (CIP) UPDATE**

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This report summarizes the status of Trabuco Canyon Water District’s (District’s) Capital Improvement Program (CIP) Update as summarized below and per the attached Exhibit 1.

| <b>Status of the CIP Projects</b> |                 |
|-----------------------------------|-----------------|
| <b>No.</b>                        | <b>Status</b>   |
| 1                                 | Cancelled       |
| 1                                 | Completed       |
| 3                                 | Out to Bid      |
| 3                                 | Design/Planning |
| 8                                 | Ongoing         |
| 3                                 | In Construction |
| 2                                 | Not Started     |

**FUNDING SOURCE:**

Capital Improvement Program

**FISCAL IMPACT (PROJECT BUDGET):**

\$4,512,000

**ENVIRONMENTAL COMPLIANCE:**

Not Applicable

**RECOMMENDED ACTION:**

*Committee to receive information at the time of the Committee meeting.*

**EXHIBIT(S):**

1. CIP Budget Update

**CONTACTS (staff responsible): PALUDI/LAUSTEN**

**TRABUCO CANYON WATER DISTRICT  
CAPITAL IMPROVEMENT PLAN BUDGET  
FY 2023/2024**

| Item                               | Name  | Status          | Project Basis                   | Amount             |
|------------------------------------|---|-----------------|---------------------------------|--------------------|
| <b>WATER PROJECTS</b>              |   |                 |                                 |                    |
| 1                                  | DWTP Office Replacement                                   | Cancelled       | Safety/End of Service Life      | \$350,000          |
| 2                                  | 10" Pipeline Replacement - Cooks to Harris Grade (Design) | Design/Planning | Reliability                     | \$250,000          |
| 3                                  | PSPS Transfer Switch Upgrade-Water                        | Out to Bid      | Reliability                     | \$60,000           |
| 4                                  | DWTP Vault Improvements                                   | In Construction | Safety                          | \$75,000           |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$735,000</b>   |
| <b>SEWER PROJECTS</b>              |   |                 |                                 |                    |
| 5                                  | Golf Club SLS Improvement                                 | Design/Planning | End of Service Life             | \$1,800,000        |
| 6                                  | WWTP - Blower Replacements                                | Design/Planning | Reliability                     | \$400,000          |
| 7                                  | Chiquita FY23/24  | Ongoing         | Contract Agreement              | \$178,000          |
| 8                                  | Heritage SLS Pump Replacement                             | In Construction | End of Service Life             | \$100,000          |
| 9                                  | PSPS Transfer Switch Upgrade-Sewer                        | Out to Bid      | Reliability                     | \$60,000           |
| 10                                 | WWTP SCADA/Fiber Optic Upgrade                            | Out to Bid      | End of Service Life             | \$130,000          |
| 11                                 | El Toro Force Main Valve Replacements                     | Completed       | Reliability/End of Service Life | \$79,000           |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$2,747,000</b> |
| <b>NON-DOMESTIC WATER PROJECTS</b> |   |                 |                                 |                    |
| 12                                 | Dove/Robinson Ranch Recycled BPS Improvements (Design)    | Not Started     | End of Service Life             | \$100,000          |
| 13                                 | Recycled PRV Improvements                                 | Not Started     | End of Service Life             | \$200,000          |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$300,000</b>   |
| <b>SHARED PROJECTS</b>             |   |                 |                                 |                    |
| 14                                 | SCADA System Upgrades FY 23-24                            | In Construction | Reliability/End of Service Life | \$400,000          |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$400,000</b>   |
| <b>EQUIPMENT</b>                   |   |                 |                                 |                    |
| 15                                 | Fleet   | Ongoing         | General Maintenance             | \$130,000          |
| 16                                 | Pump Replacements - Sewer                                 | Ongoing         | End of Service Life             | \$50,000           |
| 17                                 | Pump Replacements - Water                                 | Ongoing         | End of Service Life             | \$50,000           |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$230,000</b>   |
| <b>PROGRAM</b>                     |   |                 |                                 |                    |
| 18                                 | PRV - Water   | Ongoing         | General Maintenance             | \$20,000           |
| 19                                 | Valve Replacement - Water                                 | Ongoing         | General Maintenance             | \$30,000           |
| 20                                 | Wet Well Recoating  | Ongoing         | General Maintenance             | \$30,000           |
| 21                                 | Manhole Recoating   | Ongoing         | General Maintenance             | \$20,000           |
| <b>Sub-Total</b>                   |   |                 |                                 | <b>\$100,000</b>   |
| <b>Total</b>                       |   |                 |                                 | <b>\$4,512,000</b> |

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**ENGINEERING MATTERS**

**ITEM 3: DOVE CANYON SLOPE REPAIR UPDATE**

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The slope between the WWTP reclaimed reservoir and Dove Canyon domestic tank has significant damage to the v-ditch, down drain, terrace drain, splash walls along with erosion of the soil and vegetation. Dove Canyon Master Association (DCMA) is taking the lead on the repairs. Per GMU's repair exhibit (Exhibit 1), DCMA broke down the repairs into a primary and secondary repair area. The HOA Board initially approved the primary repair area only; however, after discussions with the District, DCMA will fund the entire project (Exhibit 2). District staff is working with DCMA on providing access for the repairs from the District's Dove tank property at the top of the slope. The schedule for the work is included as Exhibit 3.

**FUNDING SOURCE:**

No District funds are committed at this time

**FISCAL IMPACT (PROJECT BUDGET)**

Not applicable

**ENVIRONMENTAL COMPLIANCE:**

Per Developer

**RECOMMENDED ACTION:**

*Committee to receive information at the time of the Committee meeting.*

**EXHIBIT(S):**

1. GMU Repair Exhibit
2. JES Proposal
3. Bid Schedule

**CONTACTS (staff responsible): PALUDI/LAUSTEN**



July 12, 2023

Ms. Debi Cole  
**SEABREEZE MANAGEMENT,**  
**c/o DOVE CANYON MASTER ASSOCIATION**  
26840 Aliso Viejo Pkwy, Suite 100  
Aliso Viejo, CA 92656

GMU Project 23-106-10

Subject: Slope Repair Below Reservoir Site (near Grey Rock Dr) - Pre-Bid Meeting Notes

**General Scope:**

- Remove vegetation, broken v-ditches, and cement slurry debris
- Perform Remedial Grading to remove loose soil within failure area (failure area approx. 3,800 SF of 2:1 slope)
- Import soil and place as engineered fill to re-establish original 2:1 slope grades (approx. 1,200 CY of import)
- Excavate and reconstruct v-ditches, down drains with slope anchors, intersections, and splash walls per Orange County Stds (approx. 250 ft of v-ditch and down drain)
- Finish slope grading and erosion control

**Additional Notes from Pre-Bid Meeting:**

- Planting and irrigation to be handled by others (ParkWest under contract with HOA)
- Access allowed through TCWD reservoir properties at top and toe of slope. Any impacts to TCWD property shall be restored to prior condition, including fencing, drive areas, slopes, grades, etc. Reservoir sites to be closed and secured at end of each shift.
- Provide unit cost for additional imported soil material if quantity exceeds 1,200 CY assumption.
- Secondary Repair Area: Provide separate line item(s) for down drain and v-ditch replacement below the primary repair area (see attached exhibit).
  - Remove and dispose of sediment from toe of slope U-ditch for a width of 20 ft
  - Construct splash wall at toe of slope U-ditch: 20-ft long by 3 ft high
  - Replace down drain with slope anchors, terrace drain intersection (6 ft horizontal each side), and splash walls per Orange County Stds
- Import soils may be available from nearby TCWD property, but material quantity and quality is unknown at this time. Bidders should provide pricing that assumes import from other off-site sources. Import soils should be silty sand or clayey sand with low to medium expansion index; silt and clay soils with high expansion index should be avoided.

**Repair Exhibit:**

- See attached exhibit illustrating these notes and general repair areas.





Construct splash wall 20-ft x 3-ft

Remove debris from U-ditch

Secondary Repair Area:  
Replace down drain, slope anchors, terrace drain connections, and splash walls

Primary Repair Area:  
-Remove vegetation, broken v-ditches, and cement slurry debris.  
-Perform remedial grading  
-Import soil and place as engineered fill  
-Replace v-ditches, down drains, slope anchors, splash walls  
-Finish slope and erosion control

Failure Area

Reconstruct v-ditch to pavement transition with new splash walls 6-ft long each side

**J.E.S. ENGINEERING CONTRACTORS**

**PROPOSAL**

30767 Gateway Place #154  
Rancho Mission Viejo, CA 92694

**Phone #** 949.388.6060    [jes.ckay@yahoo.com](mailto:jes.ckay@yahoo.com)

**Fax #** 949.388.6100

**Number**

3367

**DATE**

5/17/2023

**NAME / ADDRESS**

Dove Canyon Master Association  
% Dept 291 Seabreeze Mang Company, Inc.  
PO BOX 4579, Dept 291  
Houston, TX 77210-4579

**LOCATION:**

Dove Canyon - Grey Rock...

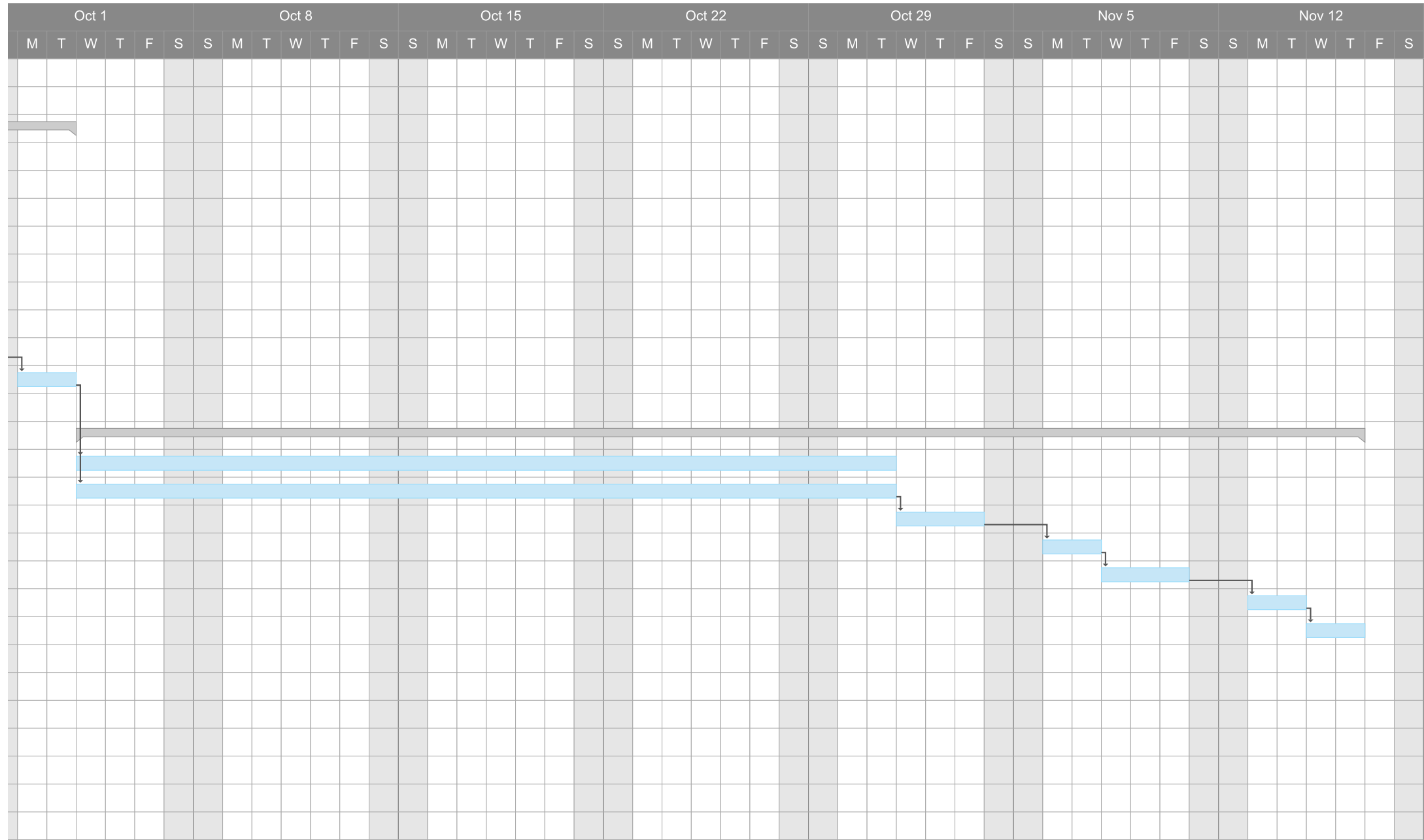
| DESCRIPTION   | QTY         | UNIT PRICE    | TOTAL            |
|---|-------------|---------------|------------------|
| The following proposal is to repair the v-ditch down drain and slope damage as detailed on the attached exhibit - including the following scope of repair work:<br><br>Location: Dove Canyon - Grey Rock Slope Issue<br><br>Remove Vegetation and Damaged Down Drains, Terrace Drains and Down Drain - Terrace Drain Intersections as Well as the Slurry Attached to V Ditch Down Drain - Includes Disposal Offsite:<br><br>Bench and Fill Imported Soil (Imported Soil from Separate Line Item) for Roughly 3,800 SQFT Repair Area:<br><br>Import Soil - Import Soil Budget Based on Delivery of 1200 Cubic Yards - To Be Billed Based on Yardage Delivered:<br>1200 - 30.10 Per Cubic Yard = 36,120.00<br><br>Replace Concrete Items Including:<br>Terrace Drain / Down Drain Intersections with Splash Wall<br>Terrace Drain and Down Drain V Ditch Including Slope Anchors on Down Drain<br><br>Notes:<br>- Proposal is based on observations and quantities before clearing of vegetation and observation of entire repair area. Quantities due to change based on GMU field observation and direction.<br>- Proposal does not include any new hydroseed or planting of finished slope.<br>- Proposal assumes use of Water District Access through the tank site /and reservoir including removing at least two of the chain-link fence posts for slope access.<br>- Proposal does not include any permits, inspections, field test, observations, etc.<br>- Proposal assumes import is available from a site approximately 1.5 hours round trip away and at the time of the writing of this proposal - available without a fee. |             |               |                  |
|   | 1.00        | 21,392.5      | 21,392.50        |
|   | 1.00        | 32,000        | 32,000.00        |
|   | 1,200.00    | 30.1          | 36,120.00        |
|   | 1.00        | 19,340        | 19,340.00        |
| <b>Added Scope Per Onsite Meetings and Second Bid: Second Repair Area<br/>Splash Wall / Remove U-ditch Debris - Replace Down Drain, Slope Anchors<br/>Terrace Drain Connections Per Aron @ GMU Email - 7/12/23</b>  | <b>1.00</b> | <b>24,650</b> | <b>24,650.00</b> |

Thank you for the opportunity to bid this project. Mitch Perkin

**TOTAL**

\$133,502.50





**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**ENGINEERING MATTERS**

**ITEM 4: DOVE CANYON EASEMENTS**

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Dove Canyon was developed in the late 1980's and included the Districts' water, sewer and reclaimed water facilities. The tract map described a temporary construction easement over the development, but the three sewer lift stations (Bell Canyon, Barneberg and Golf Club) were never deeded in fee or easements recorded. District staff has been working with Dove Canyon Master Association (DCMA) and Dove Canyon Golf Course to resolve the property issue. Staff contracted with DMc Engineering to survey the three stations and prepare the easement documents. The Golf Course has reviewed and will approve the easement for the Golf Club SLS. DCMA will be bringing the easements for Barneberg SLS and Bell Canyon SLS to their Board for consideration on September 19, 2023.

**FUNDING SOURCE:**

To be determined

**FISCAL IMPACT (PROJECT BUDGET)**

To be determined

**ENVIRONMENTAL COMPLIANCE:**

Not Applicable

**RECOMMENDED ACTION:**

*Committee to receive project status updates at the time of the Committee Meeting.*

**EXHIBIT(S):**

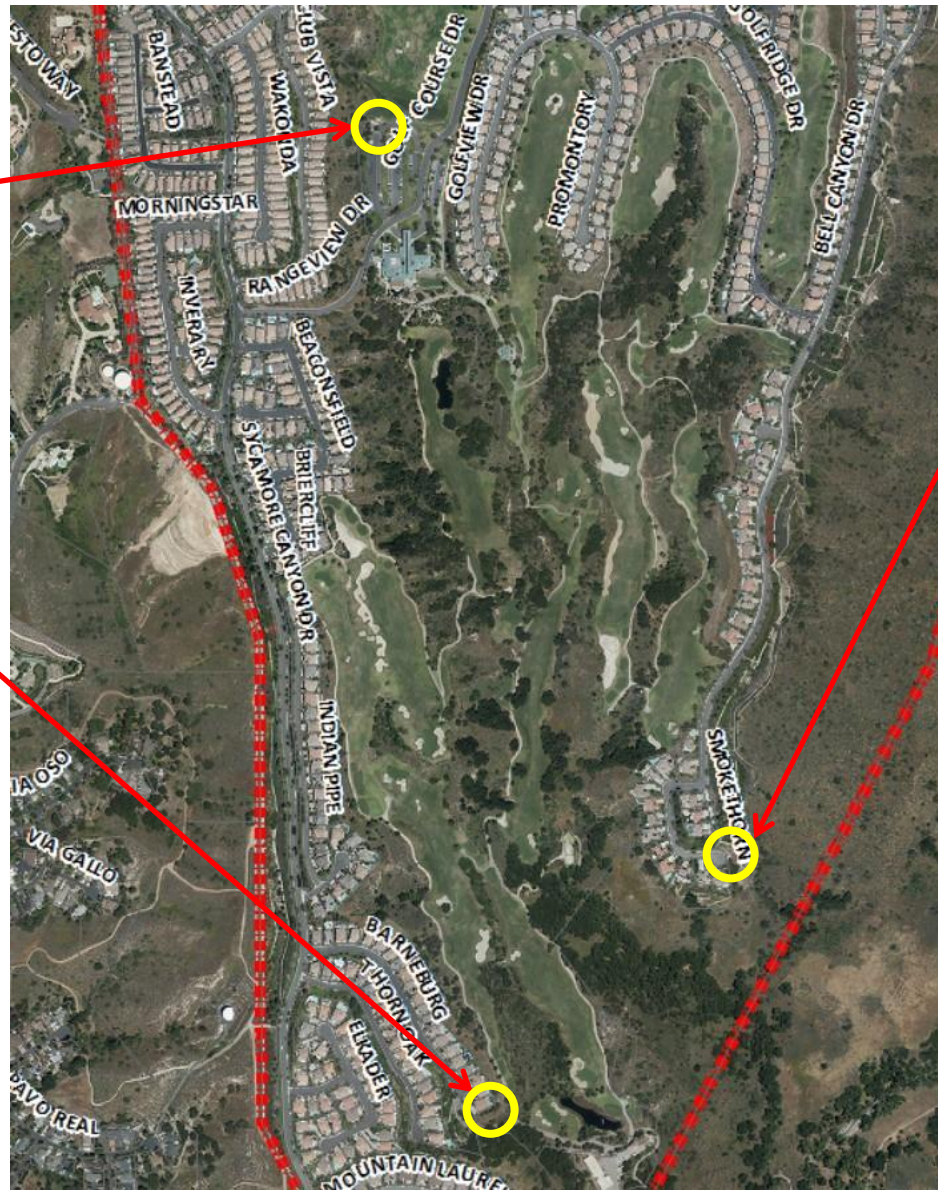
1. Location Map
2. Dove Canyon Easements

**CONTACTS (staff responsible): PALUDI/LAUSTEN**

**Golf Club LS**

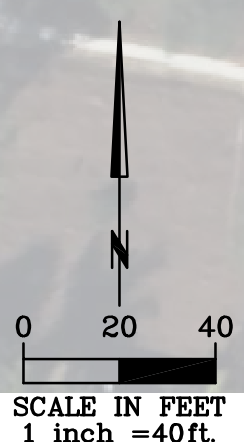
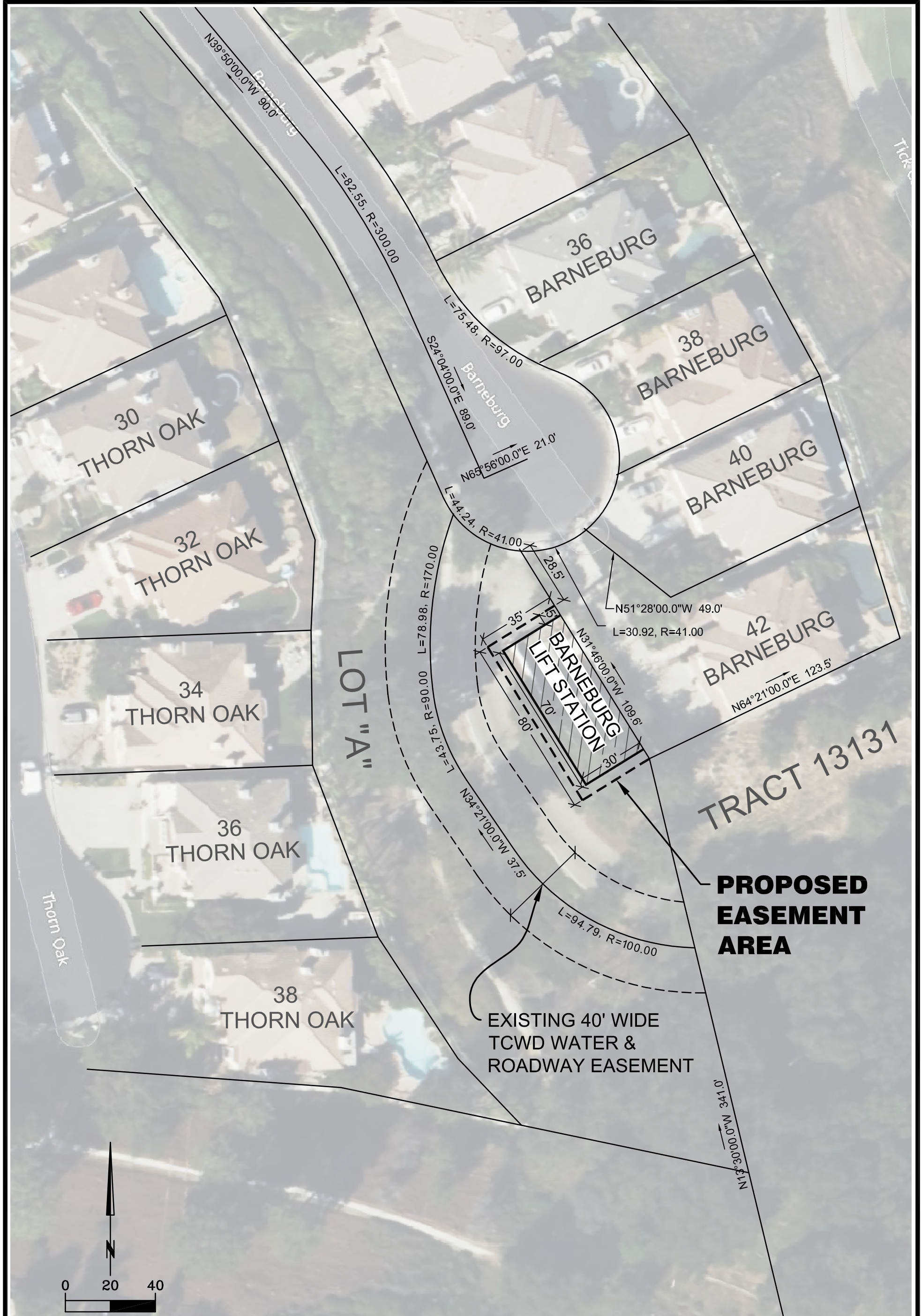
**Barneburg LS**

**Bell Canyon LS**



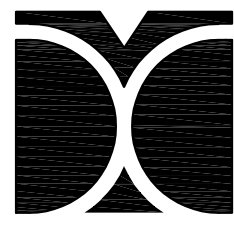
Location Map  
Trabuco Canyon Water District  
Dove Canyon Lift Stations

FILENAME: J:\JOBS\728-53 Barneburg, Bell Canyon, Golf Club\728-53 - Barneburg Lift Station Proposed Easement Area.dwg, LAST SAVED ON: Jul 07 2023 11:26am PLOTTED BY: EORTIZ, ON: Jul 07 2023 11:26am



07-07-2023

# BARNEBURG LIFT STATION PROPOSED EASEMENT AREA



**DMC ENGINEERING**  
 CIVIL ■ SURVEYING ■ PLANNING ■ CONSTRUCTION  
 Tel: (949) 753-9393 ♦ Fax: (949) 753-9322  
 18 Technology Drive, Suite 100, Irvine, California 92618  
 E-Mail: dmc@dmceng.com ♦ www.dmceng.com





**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**ENGINEERING MATTERS**

**ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

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1. Lead and Copper Rule Revisions
2. Wastewater Blower Room Project
3. Master Plan/Condition Assessment Final Report
4. Other Projects

**RECOMMENDED ACTION:**

*Committee to receive project status updates at the time of the Committee Meeting.*

**EXHIBIT(S):**

None

**CONTACTS (staff responsible): PALUDI/PEREA/LAUSTEN**

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**OPERATIONAL MATTERS**

**ITEM 6: WATER SYSTEM UPDATES**

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The following is a brief report of the water system through **August 2023**.

**Projects and Repairs**

Water Operations staff performed and/or completed the following tasks and projects:

1. Repaired an 8" water main break on Mayfair Drive in the Robinson Ranch community.
2. Replaced a water service curb stop valve on Mill Stream Road in lower Robinson Ranch.
3. Prepared for the Regional Water Board inspection. Unfortunately, the inspection was rescheduled for October.
4. Shut down the Trabuco Creek Groundwater Treatment Facility. The GWTF produced 531 acre feet of water in 2023 – *seasonal record*.

**Monthly Water System Operations Summary**

The Monthly Water System Operations Summary is attached for the Committee's review. Any anomalies will be presented at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

1. Monthly Water System Operations Summary

**CONTACTS (staff responsible): PEREA/KESSLER**



**TRABUCO CANYON WATER DISTRICT  
MONTHLY WATER SYSTEM OPERATIONS SUMMARY - 2022**

| <b>System Demands**</b>                 |  |       |      |      |      |      |     |  |  |  |  |  |       |
|---|--|-------|------|------|------|------|-----|--|--|--|--|--|-------|
| AF/Day                                  | 3.0  | 4.0   | 2.8  | 4.3  | 4.4  | 5.0  | 7.0 |  |  |  |  |  | 4.3   |
| Daily Average, CFS                      | 1.5  | 2.0   | 1.4  | 2.2  | 2.2  | 2.5  | 3.4 |  |  |  |  |  | 2.2   |
| <b>Other Water Deliveries/Purchases</b> |  |       |      |      |      |      |     |  |  |  |  |  |       |
| Ridgeline (DWTP Delivery)               | 85.2   | 103.0 | 8.9  | 24.9 | 35.5 | 2.0  | 0.0 |  |  |  |  |  | 259.5 |
| El Toro (Interconnection Purchase)      | 0.0  | 0.0   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 |  |  |  |  |  | 0.0   |
| Baker WTP (CSC Delivery)                | 115.0  | 108.0 | 55.2 | 55.2 | 81.7 | 72.2 |     |  |  |  |  |  | 487.3 |
| Portola Hills (Wholesale Purchase)      | 8.0  | 8.4   | 6.9  | 7.7  | 9.0  | 11.0 |     |  |  |  |  |  | 51.0  |
| Skyridge (Wholesale Purchase)           | 1.5  | 1.5   | 1.6  | 1.9  | 1.7  | 2.0  | 2.2 |  |  |  |  |  | 12.5  |
| * Usage estimated                       | ** Excludes Operational use, losses, and supplement to Recycled Water Reservoir (RW) |       |      |      |      |      |     |  |  |  |  |  |       |

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**OPERATIONAL MATTERS**

**ITEM 7: WASTEWATER SYSTEM UPDATES**

The following is a brief report of the wastewater system through **August 2023**.

**Projects and Repairs**

Wastewater Operations staff performed and/or completed the following tasks and projects:

1. Assisted Maintenance Department staff in the replacement of a 60hp blower.
2. Assisted TESCO Controls in the repair of VFD #3 at the Dove Recycled Water (NDW) Pump Station.
3. Replaced 40hp EQ basin pump at the Robinson Ranch Wastewater Treatment Plant (WWTP).
4. Replaced 40hp pump for Tick Creek Dry Season Recovery Station located in the Dove Canyon community.
5. Prepared and cleaned the Robinson Ranch WWTP in preparation for a facility tour.

**Sewer System Management Plan (SSMP) Report**

*The purpose of the program is to communicate on a regular basis with the public on the development, implementation, and performance of TCWD’s SSMP. Status updates on the work and type of work performed on the sewer system will be provided, including sewer line and manhole cleaning, system repairs, lift station cleaning, and updates from satellite facilities:*

| <b>Sewer System Management Plan (SSMP) Monthly Update</b> |               |
|---|---------------|
| Total Sewer Line, Feet*                                   | 212,045       |
| <b>Total Sewer Line Cleaned (Ft) – Month</b>              | <b>18,255</b> |
| Total Sewer Line Cleaned (Ft) – Cleaning Cycle            | 118,240       |
| Cleaning Cycle Period (Mos.) [Start date: 9/1/22]         | 12            |
| <b>Total Sewer Line Cleaned, %</b>                        | <b>55%</b>    |
| The Oaks at Trabuco – Pumping Frequency for the Month     | 12            |
| O’Neill Park Sewer System Status                          | Ok            |
| O’Neill Park Sewer System Repairs                         | None          |
| SSMP Quarterly Report – <i>Next Quarterly Report</i>      | 3Q 2023       |
| SSMP Program Audit – <i>Next Audit Report**</i>           | February 2024 |

*\*This amount includes the OC Parks-owned O’Neill Park sewer system the District is contracted to clean.*

*\*\*Periodic internal audits shall be conducted, at a minimum every two years, with reports kept on file. The audit shall focus on evaluating the effectiveness of the SSMP and TCWD’s compliance with the mandatory elements of TCWD’s SSMP:*

**Monthly Recycled Water System Operations Summary**

The Monthly Recycled Water System Operations Summary is attached for the Committee’s review. Any anomalies will be presented at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

1. Monthly Recycled Water System Operations Summary

**CONTACTS (staff responsible): PEREA/ULLOA**

**TRABUCO CANYON WATER DISTRICT | NON-DOMESTIC WATER SYSTEM SUMMARY - 2023**

| <b>RECYCLED WATER SUPPLY</b>          |        |         |         |         |         |         |         |         |     |     |     |     |     |       |               |
|---------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-----|-----|-----|-------|---------------|
|                                       | MAX    | JAN     | FEB     | MAR     | APR     | MAY     | JUN     | JUL     | AUG | SEP | OCT | NOV | DEC | TOTAL | FIVE YEAR AVG |
| WWTP Reclaimed Water Production, AF   | 78.3   | 58.6    | 37.8    | 34.6    | 29.2    | 38.2    | 27.1    | 40.9    |     |     |     |     |     | 266.3 | 529.1         |
| Reclaimed Reservoir Level, FT         | 1274.5 | 1,273.0 | 1,274.0 | 1,272.5 | 1,272.2 | 1,272.0 | 1,270.0 | 1,259.0 |     |     |     |     |     | -     | -             |
| Reclaimed Reservoir Free Board, FT    | 25.5   | 1.5     | 0.5     | 2.0     | 2.3     | 2.5     | 4.5     | 15.5    |     |     |     |     |     | -     | -             |
| Reclaimed Reservoir Storage, AF       | 145.5  | 135.7   | 139.3   | 132.1   | 130.0   | 128.6   | 118.8   | 67.0    |     |     |     |     |     | -     | -             |
| Supplemental Domestic Water Added, AF | N/A    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |     |     |     |     |     | 0.0   | 35.5          |

| <b>RECYCLED WATER SYSTEM DEMAND</b>      |               |             |              |              |              |              |              |              |            |            |            |            |             |               |              |
|--|---------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|-------------|---------------|--------------|
| NON DOMESTIC WATER USER                  | ALLOC. AF     | 8%<br>JAN   | 17%<br>FEB   | 25%<br>MAR   | 33%<br>APR   | 42%<br>MAY   | 50%<br>JUN   | 58%<br>JUL   | 67%<br>AUG | 75%<br>SEP | 83%<br>OCT | 92%<br>NOV | 100%<br>DEC | TOTAL         | ALLOC. %     |
| Dahlia Court                             | 8.2           | 0.07        | 0.1          | 0.0          | 0.3          | 0.2          | 0.2          | 0.2          |            |            |            |            |             | 1.10          | 13.4%        |
| Dove Canyon Golf Course                  | 106.7         | 0.29        | 5.9          | 0.2          | 17.4         | 15.0         | 26.4         | 51.2         |            |            |            |            |             | 116.50        | 109.2%       |
| Dove Canyon Master Association           | 279.3         | 0.28        | 1.1          | 0.1          | 7.6          | 16.6         | 13.1         | 26.3         |            |            |            |            |             | 65.10         | 23.3%        |
| Robinson Ranch                           | 80.2          | 0.25        | 1.4          | 0.3          | 0.8          | 1.4          | 2.9          | 4.0          |            |            |            |            |             | 10.98         | 13.7%        |
| Trabuco Highlands                        | 159.7         | 2.25        | 5.9          | 0.1          | 6.5          | 8.5          | 5.3          | 11.4         |            |            |            |            |             | 39.87         | 25.0%        |
| City of RSM                              | 0.1           | 0.00        | 0.03         | 0.00         | 0.04         | 0.05         | 0.05         | 0.03         |            |            |            |            |             | 0.20          | 150.8%       |
| Construction Water                       | N/A           | 0.00        | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |            |            |            |            |             | 0.00          | N/A          |
| Sakaida Nursery                          | 1.1           | 0.00        | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |            |            |            |            |             | 0.00          | 0.0%         |
| SMWD                                     | N/A           | 41.74       | 40.6         | 7.7          | 0.0          | 2.3          | 4.1          | 0.0          |            |            |            |            |             | 96.55         | N/A          |
| TY Nursery                               | 17.9          | 0.00        | 0.05         | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |            |            |            |            |             | 0.05          | 0.3%         |
| <b>TOTAL, AF</b>                         | <b>653.2</b>  | <b>44.9</b> | <b>55.1</b>  | <b>8.4</b>   | <b>32.7</b>  | <b>44.1</b>  | <b>52.0</b>  | <b>93.1</b>  |            |            |            |            |             | <b>330.34</b> | <b>50.6%</b> |
| <b>PERCENTAGE OF NDW ALLOCATION/YEAR</b> |               | <b>6.9%</b> | <b>15.3%</b> | <b>16.6%</b> | <b>21.6%</b> | <b>28.3%</b> | <b>36.3%</b> | <b>50.6%</b> |            |            |            |            |             |               |              |
| <b>TOTAL ANNUAL AVG. NDW AVAILABLE**</b> | <b>774.36</b> |             |              |              |              |              |              |              |            |            |            |            |             |               |              |

| <b>URBAN RUNOFF CAPTURE AND REUSE</b>  |                   |       |       |       |       |       |       |       |     |     |     |     |     |       |               |
|--|-------------------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|---------------|
| DISTRICT FACILITY                      |                   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG | SEP | OCT | NOV | DEC | TOTAL | FIVE YEAR AVG |
| Shadow Rock Detention Basin Production |                   | 0.15  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |     |     |     |     |     | 0.15  | 14.2          |
| Dove   Tick Creek Production*          | <i>Dry Season</i> | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 10.7  |     |     |     |     |     | 10.7  | 58.8          |
|  | TCWD Portion      | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 5.3   |     |     |     |     |     | 5.3   | -             |
|  | SMWD Portion      | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 5.3   |     |     |     |     |     | 5.3   | -             |
| Dove Lake Water Pumped                 |                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |     |     |     |     |     | 0.0   | 185.8         |
| Dove Lake Free Board, Ft               |                   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |     |     |     |     |     | -     | -             |
| Dove Lake Storage, AF                  |                   | 331.0 | 331.0 | 331.0 | 331.0 | 331.0 | 331.0 | 331.0 |     |     |     |     |     | -     | -             |
| Total Rainfall, In.                    |                   | 8.1   | 2.1   | 10.3  | 0.0   | 1.1   | 0.0   | 0.0   |     |     |     |     |     | 21.5  | 14.7          |

\* SMWD share of Dove/Tick Pump Station Dry Season Water is 50% of production.

\*\* Based on 5-Year Average Reclaimed Water Reservoir Base Supply & Recycled Water Production

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**OPERATIONAL MATTERS**

**ITEM 8: MAINTENANCE DEPARTMENT UPDATES**

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The following is a brief report of work completed by Maintenance staff through **August 2023**.

**Projects and Repairs**

Maintenance staff performed and/or completed the following tasks and projects:

**Water Operations**

1. Worked with Duthie Power to inspect/troubleshoot diesel driven pump at Robinson Ranch Booster Pump Station for emergency use.
2. Worked with Water Operations to assess a leaking air compressor at the Dimension Water Treatment Plant (DWTP). An oil leak was identified and repaired.

**Wastewater Operations**

1. Worked with Vaughan Industrial to remove and replace the East SBR blower at the Robinson Ranch WWTP.
2. Worked with Wastewater Operations and Hydrotech Electric to remove and replace the EQ Basin pump. The old motor was sent to Evans Hydro for service and repair.
3. Worked with Wastewater Operations and Hydrotech Electric to remove and replace a pump and motor at Tick Creek Dry Season Recovery Station.

**District Fleet Upgrades & Other Projects**

1. Received and outfitted four new fleet vehicles in accordance with District fleet specifications.
2. Assisted Hartford Steam Boiler (JPIA 3<sup>rd</sup> Party Inspector) on the inspection of air compressor tanks at Heritage Sewer Lift Station and Canyon Creek Booster Pump Station.
3. Installed moisture filters and fuel additive to SULAIR towable air compressor, Godwin mobile diesel pump, and Cummings mobile diesel generator.
4. Replaced a damaged axle on the boat trailer with a new axle, hubs, and tires.

**RECOMMENDED ACTION:**

*Committee to receive system status updates. No action required.*

**EXHIBITS**

None

**CONTACTS (staff responsible): PEREA/STROUD**

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | SEPTEMBER 6, 2023**

**REGULATORY AND OTHER MATTERS**

**ITEM 9: OTHER MATTERS/REPORTS**

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Other Matters/Reports from the General Manager and/or District staff may be provided at the time of the Engineering/Operational Committee Meeting.

**RECOMMENDED ACTION:**

*Hear Other Matters/Reports that may have arisen after the posting of the agenda.*

**EXHIBITS**

None

**CONTACTS (staff responsible): PALUDI/PEREA**