



**ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA  
TRABUCO CANYON WATER DISTRICT  
ADMINISTRATION FACILITY  
32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA  
JUNE 5, 2024 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 | JUNE 5, 2024

**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. *May 1, 2024 Committee Meeting*

**ITEM 2: PROJECT PARTNERS CONTRACT FOR DISTRICT STAFF AUGMENTATION**

**RECOMMENDED ACTION:**

*Recommend the Board of Directors authorize the General Manager to execute a contract for As-Needed Project Management Support to Project Partners for Fiscal Year 2024-2025 in the not to exceed amount of \$155,000 (Action Calendar).*

**ITEM 3: GOLF CLUB SEWER LIFT STATION EASEMENT**

**RECOMMENDED ACTION:**

*Recommend that the Board of Directors receive the Grant of Easement to the Trabuco Canyon Water District by SJS Tomorrow, LLC, for the Dove Canyon Golf Club Sewer Lift Station and authorize the District Secretary to execute said Grant of Easement (Action Calendar).*

**ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

1. Golf Club Sewer Lift Station Construction Update
2. DWTP Office Trailer Update
3. Golf Course Recycled Water Vault Upgrade
4. WWTP Blower Room Project
5. Bell Canyon and Barenberg Lift Station Easements
6. Other projects

**RECOMMENDED ACTION:**

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



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA | JUNE 5, 2024**

**OPERATIONAL MATTERS**

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

**ITEM 5: WATER SYSTEM UPDATES**

**RECOMMENDED ACTION:**

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

**ITEM 6: WASTEWATER SYSTEM UPDATES**

**RECOMMENDED ACTION:**

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

**ITEM 7: MAINTENANCE DEPARTMENT UPDATES**

**RECOMMENDED ACTION:**

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

**REGULATORY AND OTHER MATTERS**

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**ITEM 8: 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 | JUNE 5, 2024**

**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. *May 1, 2024 Committee Meeting*

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



## TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 1, 2024

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### **DIRECTORS PRESENT**

Mike Safranski, Committee Chair  
Stephen Dopudja, Committee Member

### **STAFF PRESENT**

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

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Safranski called the May 1, 2024 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

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

None

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

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

**MOTION:** Approve the Engineering/Operational Committee Meeting Recap and recommend 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

**ITEM 2: ROBINSON RANCH WASTEWATER TREATMENT PLANT BLOWER MODIFICATION PROJECT**

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Mr. Paludi presented this matter for Committee consideration and review. Ms. Lausten provided an overview of the project, and she reported that District staff solicited bids from six pre-qualified contractors and received two responsive bids. Ms. Lausten presented a bid comparison for Committee review, and she stated that both bids came in significantly higher than the engineer’s estimate. Ms. Lausten stated that based on the two bids, staff is considering an alternative solution and is not making any recommendations at this time. Discussion occurred regarding the possible reasons for the cost increase from the original budget and engineer’s estimate. Mr. Paludi stated that project costs are increasing industry-wide, and that he asked Mr. Ulloa to propose project alternatives to control the District’s costs. Mr. Ulloa provided information regarding various portions of the project that could possibly be completed by District staff to bring down costs. Director Safranski commented that he appreciates staff proactively looking into alternative cost savings. Mr. Paludi recommended a site walk with the Committee in the coming weeks for a better understanding of the project goals.

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

**ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

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**1. Golf Club Sewer Lift Station Construction Update**

Mr. Paludi provided a brief update on this matter, and he reported that the new surge tank, which is located on the exterior adjacent to the facility, will have a gate and wall installed to cover the tank. Ms. Lausten provided a construction report covering the months of February and March 2024. Mr. Paludi reported that there have been no change orders on this project to date.

**2. DWTP Vault Lid Improvements**

Mr. Paludi provided a brief update on this matter, and he reported that three vault lids at the Dimension Water Treatment Plant are failing and in need of replacement. Ms. Lausten reported that one lid has been replaced and that this portion of the project came in under budget.

**3. SCADA Project Update**

Mr. Paludi provided an update on this matter, and he reported that the District is working with TESCO Controls on any outstanding matters related to this project. Mr. Paludi also reported that staff is working on entering into an agreement with a new contractor to complete the project, and he commended Mr. Phil Serpas for his dedicated work to ensure the project stays on track.

**4. LCRR Update**

Ms. Lausten provided an update on this matter, and she reported that the District has entered into a cost-sharing agreement with MWDOC for completion of a service line inventory due to the State by October 16, 2024. Ms. Lausten reported on the status of the inventory and the District’s next steps. Ms. Lausten stated that the District is completing the required inspection work as a cost savings measure.

**5. Oaks at Trabuco Development**

Mr. Paludi provided an update on this project, and he reported that the developer is working with their contractor to make the plant operational for District acceptance. Mr. Ulloa reported that certain discrepancies in the information provided by the developer’s team concerning wastewater production and facility viability. Mr. Paludi reported that the District has contracted with Hazen to perform a facility conditional assessment to better understand any site challenges and/or deficiencies prior to acceptance.

**6. Other Projects – Saddle Crest**

Mr. Paludi provided a brief update on this matter.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 1, 2024**

**ITEM 4: WATER SYSTEM UPDATES**

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

1. Worked with Ferreira Construction on Dimension Water Treatment Plant (DWTP) Influent Vault replacement project.
2. Assisted Meter Department with the replacement of 2 residential curb stop valve replacements in the Dove Canyon community.
3. Replaced vault sump pumps at Lindsay, Robinson Ranch, and GWTF.
4. Replaced High Country pressure transducer.
5. Conducted Fire Flow Test on Live Oak Canyon Road for future residential development.
6. Valve Exercise Program Update: Exercised 82 valves in the Dove Canyon and Robinson Ranch communities.

Mr. Kessler presented the Water System Summary for Committee review, and he reported that he did not have the most current numbers due to it being the first of the month. Mr. Kessler reported that the District is meeting 100% of potable demands utilizing the groundwater treatment facility, but that the creek is drying up faster than anticipated. Mr. Kessler provided a history of the District's challenges with utilizing Irvine Lake as a water source. Director Safranski requested to agendaize this matter next month for an update.

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

**ITEM 5: WASTEWATER SYSTEM UPDATES**

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

1. Installed variable frequency drives (VFD) for the East and West SBR Hoffman blowers at WWTP.
2. Repaired the electrical feed wires at Tick Creek Pump Station in preparation for upcoming dry season recovery.
3. Underground field surveying at WWTP for electrical duct bank to feed proposed new MCC at blower building.
4. Jackhammered and removed the old NEQ pump base in preparation to install a new NEQ pump.
5. Worked with Maintenance Dept. on weed abatement at WWTP and surrounding areas for OCFA inspections.
6. Repaired mooring line for reservoir mixer.
7. Started sampling raw influent at The Oaks to better understand the incoming wastewater.
8. Replaced El Toro Sewer Lift Station 12" flowmeter.

Mr. Ulloa presented the Recycled Water System Summary for Committee review, and he reported that he did not have the most current numbers due to it being the first of the month. Mr. Ulloa reported that the reservoir is at capacity and that Dove Lake is spilling. Director Safranski asked staff if there are plans to dredge the recycled water reservoir to increase capacity. Ms. Lausten responded that staff recently completed a bathymetric study of the reservoir which includes the necessary guidance to perform dredging. Mr. Ulloa reported that operations staff maintains the upstream desilting basins to minimize excess soils entering the reservoir.

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

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 1, 2024**

**ITEM 6: MAINTENANCE DEPARTMENT UPDATES**

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Mr. Stroud reviewed the projects and repairs for the prior month, 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. Completed Lyndsay pressure reducing valve (PRV) vault electrical outlet repair.
2. Assisted DMc Engineering with underground utility markings.

**Wastewater Operations**

1. Assisted with variable frequency drive (VFD) installation in WWTP blower room.
2. Performed job walk with filter vendor for Dove Recycled Water Pump station.
3. Performed job walk with David Rodriguez for handrail project WWTP.
4. Weed abatement at Porter Ranch property and WWTP access road and dam face.

**District Fleet Upgrades & Other Projects**

1. Prepared #7 for new service body installation.
2. Scheduled Duthie Poer for backup emergency power generator preventative maintenance.
3. Worked with OCFA at Porter Ranch property for USAR Trench Rescue training.

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

**ITEM 7: OTHER MATTERS/REPORTS**

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There were no other matters reported.

**MOTION:** None

**ADJOURNMENT**

Director Safranski adjourned the May 1, 2024 Engineering/Operational Committee Meeting at 8:13 a.m.



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | JUNE 5, 2024**

**ENGINEERING MATTERS**

**ITEM 2: PROJECT PARTNERS CONTRACT FOR DISTRICT STAFF AUGMENTATION**

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The District's proposed Capital Improvement Plan Budget for Fiscal Year 24/25 is \$5,326,589. To complete these projects, Staff proposes to contract with Project Partners to provide an as-needed project manager who will provide project management support services to the District Engineer. These services would consist of planning, consultant design management, operational support, and construction management.

**FUNDING SOURCE:**

General Fund and CIP

**FUNDING SOURCE:**

Capital Improvement Program

**FISCAL IMPACT (PROJECT BUDGET):**

\$155,000

**ENVIRONMENTAL COMPLIANCE:**

Not applicable

**RECOMMENDED ACTION:**

*Recommend the Board of Directors authorize the General Manager to execute a contract for As-Needed Project Management Support to Project Partners for Fiscal Year 2024-2025 in the not to exceed amount of \$155,000 (Action Calendar).*

**EXHIBIT(S):**

1. Project Partners Proposal

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



**Project  
Partners**

"Partners in Building Engineering Careers and Teams"

[www.projectpartners.com](http://www.projectpartners.com)

Lorrie Lausten  
District Engineer  
Trabuco Canyon Water District  
32003 Dove Canyon Dr.  
Trabuco Canyon, CA 92679

April 15, 2024

SUBJECT: Proposal for As-Needed Project Management Support Services

Dear Ms. Lausten,

Project Partners is pleased to offer this proposal to provide As-Needed Project Management Support Services to Trabuco Canyon Water District (District). Below is our proposed scope of work and level of effort.

### **Scope of Work**

Project Partners understands that the District has a need for Project Management Support Services to assist with implementing and completing key projects and therefore we are submitting this proposal to provide as-needed project management support for next fiscal year (July 1, 2024 through June 30, 2025). Project Management support would consist of both planning, consultant design management and support during construction.

Specific duties for this position would include but are not limited to:

- Perform project management and administration of consultant capital improvement design projects.
- Preparation and review project scope, request for proposals (RFPs), specifications, and engineering designs.
- Implement the planning, design, construction, and closeout phases of water engineering projects.
- Negotiate, administer, and manage agreements for consultant services, design, construction management, inspection, and other specialty services.
- Monitor and evaluate construction work in progress to ensure compliance with approved plans, specifications, and contract.
- Oversee, direct or manage construction activities.
- Provide support by performing calculations and plan check reviews
- Represent and make presentations to the public, Board of Directors meeting and for various other commissions.

Projects would include but are not limited to:

- Wastewater Treatment Plant Blower Room and Motor Control Center Upgrade

- Dove HOA Pressure Reducing Valves Vault Upgrade
- Drinking Water Treatment Plant Vault Upgrades
- Dove/Robinson Ranch Recycled Water Pump Station Upgrades
- Manual Transfer Switches (MTS) Storm Upgrade
- Wastewater Treatment Plant SCADA-Fiber Upgrade

## **Schedule**

We anticipate our staff will initially provide support services for approximately 20 hours per week for the 2025 fiscal year (until June 30, 2025). Should the District's needs change, we will adjust our staff's schedule to meet the goals of the District. However, in all cases, we will manage and track our staff's time to ensure we do not exceed 1000 hours per fiscal year and remain fully compliant with CalPERS rules.

## **Proposed Staff Resource(s)**

Project Partners is proposing Mr. David Rodriguez to provide Project Management Support Services. He is an experienced Mechanical Engineer with extensive experience in construction and project management. He worked at Orange County Sanitation District for 34 years and served as a Project Manager, Resident Engineer, and Engineering Commissioning Coordinator. Mr. Rodriguez is also a Certified Construction Manager (CCM).

## **Billing Rate and Project Budget**

The proposed budget will allow support through next fiscal year from July 1, 2024 to June 30, 2025. Project Partners' billing rates for our proposed Sr. Project Manager is as follows:

<b><u>Classification</u></b>	<b><u>2024-25 Hourly Billing Rate</u></b>	<b><u>Estimated Budget</u></b>
<b>Sr. Project Manager</b>	<b>\$160</b>	<b>\$155,000</b>

*Note: District approved Mileage and Expenses will be billed as incurred with no additional markup.*

Thank you for utilizing Project Partners' services and should you have any questions, please do not hesitate to call at any time. We look forward to providing services to you and your staff.

Sincerely,



Kimo Look, P.E.  
Project Partners

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | JUNE 5, 2024**

**ENGINEERING MATTERS**

**ITEM 3: GOLF CLUB SEWER LIFT STATION EASEMENT**

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Trabuco Canyon Water District (District) owns and operates the Golf Club Sewer Lift Station (SLS) in the Dove Canyon community adjacent to the golf club driving range. This station receives wastewater flows from majority of the community by way of Bell Canyon and Barneburg Sewer Lift Stations and gravity sewer flows, and then conveys the wastewater to the Robinson Ranch Wastewater Treatment Plant via a sewer force main on Hillrise.

The station was constructed in the early 1990s and the temporary easements during construction were recorded in 1987, which granted easements to the District over the entire Dove Canyon development, until such time that the owner would grant permanent easements and right of ways to the District. The pipeline easements were dedicated on the tract map, but the three sewer lift stations were never converted to permanent easements nor dedicated in fee. District staff has been working with the Golf Course owners on the easement since discovering this during the upgrade to the lift station.

**FUNDING SOURCE:**

Capital Improvement Program

**FISCAL IMPACT (PROJECT BUDGET):**

\$10,000

**ENVIRONMENTAL COMPLIANCE:**

Not Applicable

**RECOMMENDED ACTION:**

*Recommend that the Board of Directors receive the Grant of Easement to the Trabuco Canyon Water District by SJS Tomorrow, LLC, for the Dove Canyon Golf Club Sewer Lift Station and authorize the District Secretary to execute said Grant of Easement (Action Calendar).*

**EXHIBIT(S):**

1. Grant of Easement

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

RECORDING REQUESTED BY AND  
WHEN RECORDED MAIL TO:

Michael Perea, Secretary  
Trabuco Canyon Water District  
32003 Dove Canyon Dr.  
Trabuco Canyon, California 92679  
TCWD Doc. \_\_\_\_\_

ASSESSOR'S PARCEL NO.: \_\_\_\_\_

MAIL TAX STATEMENTS TO ADDRESS ABOVE

(Space Above For Recorder's Use)

EXEMPT from Documentary Transfer Tax per Revenue and Taxation Code §11922

FREE RECORDING REQUESTED -- Essential to acquisition by Trabuco Canyon Water District (Government Code §§6103 & 27383)

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**GRANT OF EASEMENT  
TO THE  
TRABUCO CANYON WATER DISTRICT  
BY  
SJS Tomorrow, LLC  
FOR  
DOVE CANYON GOLF CLUB WASTEWATER LIFT STATION**

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FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, SJS Tomorrow, LLC, ("Grantor"), hereby grants and conveys to TRABUCO CANYON WATER DISTRICT, a County water district formed and existing pursuant to Division 12, Sections 30000-33901 of the California Water Code ("Grantee"), and its successors and assigns, a perpetual non-exclusive easement for the "Dove Canyon Golf Club Sewer Lift Station" facilities and purposes.

This easement includes, but not by way limitation, the right to install, construct, reconstruct, remove, replace, renew, inspect, maintain, repair, improve, and relocate sewer pipelines, lift station equipment, wet well, electrical equipment, and emergency electrical generator equipment, together with incidental appurtenances, connections, and structures in, over, under, upon, along, through and across portions of real property located in the County of Orange, State of California, described in Exhibit "A" and depicted in Exhibit "B", both of which are attached hereto and by this reference incorporated herein as the "Easement Area".

This easement includes the right to enter upon and to pass and repass over and along the Easement Area for the construction, reconstruction, operation, and maintenance of the facilities to be constructed in the Easement Area by Grantee or its successors and assigns, its officers, agents, and employees and by persons under contract with Grantee or its successors and assigns.

The undersigned has executed this Easement as of the date written.

DATED: MAY 15, 2024

GRANTOR: 

By: LARRY TAYLOR

Name

MEMBER SITS TOMORROW, LLC

Title

a CA corporation,

GRANTEE: TRABUCO CANYON WATER DISTRICT

By: \_\_\_\_\_  
Name

\_\_\_\_\_  
Title

By: \_\_\_\_\_  
Name

\_\_\_\_\_  
Title

NOTARY ACKNOWLEDGEMENT

STATE OF CALIFORNIA    )  
  )  
COUNTY OF ORANGE    )

On \_\_\_\_\_, 20\_\_\_\_, before me, \_\_\_\_\_,        a  
Notary Public in and for said State, personally appeared \_\_\_\_\_

\_\_\_\_\_, who  
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public in and for said State.

(SEAL)

*See attached California Acknowledgment*

**CALIFORNIA ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

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

State of California }  
County of Riverside }

On May 15th, 2024 before me, Tracy Hinson, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Lawrence Taylor  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument (the person(s)), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.



Place Notary Seal and/or Stamp Above

Signature [Handwritten Signature]  
Signature of Notary Public

**OPTIONAL**

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Grant of Easement

Document Date: May 15th, 2024 Number of Pages: 6

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: _____	Signer's Name: _____
<input type="checkbox"/> Corporate Officer – Title(s): _____	<input type="checkbox"/> Corporate Officer – Title(s): _____
<input type="checkbox"/> Partner – <input type="checkbox"/> Limited <input type="checkbox"/> General	<input type="checkbox"/> Partner – <input type="checkbox"/> Limited <input type="checkbox"/> General
<input type="checkbox"/> Individual <input type="checkbox"/> Attorney in Fact	<input type="checkbox"/> Individual <input type="checkbox"/> Attorney in Fact
<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator	<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____
Signer is Representing: _____	Signer is Representing: _____



**RESOLUTION OF SJS TOMORROW, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY APOINTING ASSISTANT MANAGER-Effective as of May 14, 2024**

WHEREAS, effective as of January 1, 2023, the Members of SJS Tomorrow, LLC, a California limited liability company (the “Company”) authorized an Amended And Restated Operating Agreement for SJS Tomorrow, LLC (“Operating Agreement”).

WHEREAS, pursuant to the Operating Agreement, the Company appointed Chloe Saiyoun Kim as Manager.

WHEREAS, pursuant to Section 5.10 of the Operating Agreement, the Manager may appoint an Assistant Manager at any time. The Assistant Manager shall exercise such powers and perform such duties as shall be determined from time to time by the Manager.

RESOLVED, that the Manager hereby authorizes and appoints Lawrence Taylor as Assistant Manager of the Company. The Assistant Manager shall have all necessary powers to manage and carry out the purposes, business, property, and affairs of the Company.

The undersigned hereby certifies that she is the duly elected and qualified Manager of the Company duly formed pursuant to the laws of the state of California and that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have executed my name as Manager of the Company.



---

Chloe Saiyoun Kim, Manager

The undersigned has executed this Easement as of the date written.

DATED: \_\_\_\_\_

GRANTOR: \_\_\_\_\_

By: \_\_\_\_\_

Name

\_\_\_\_\_  
Title

a \_\_\_\_\_ corporation,

GRANTEE: TRABUCO CANYON WATER DISTRICT

By: \_\_\_\_\_

Name

\_\_\_\_\_  
Title

By: \_\_\_\_\_

Name

\_\_\_\_\_  
Title



**EXHIBIT "A"**  
**LEGAL DESCRIPTION**

THAT CERTAIN PARCEL OF LAND IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA LYING WITHIN THE PARCEL OF LAND AS SHOWN ON TRACT MAP NO. 13131 RECORDED ON JUNE 14, 1988, IN BOOK 607, PAGES 9 - 30 OF SAID COUNTY, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

POINT OF BEGINNING (**POB**) AT THE MOST NORTHWESTERLY CORNER OF LOT 25 OF SAID PARCEL OF LAND AS SHOWN ON TRACT NO. 13131, SAID CORNER BEING ALONG THE PROPERTY LINE. THENCE S25°53'00"W A DISTANCE OF 10.00 FEET, THENCE S65°07'00"E, A DISTANCE OF 20.00 FEET TO THE TRUE POINT OF BEGINNING (**TPOB**); THENCE S26°40'02"W, A DISTANCE OF 39.19 FEET; THENCE S30°50'14"E, A DISTANCE OF 34.78 FEET; THENCE S13°58'34"W, A DISTANCE OF 24.78'; THENCE S75°03'43"E, A DISTANCE OF 51.53 FEET; THENCE S14°56'17"W, A DISTANCE OF 23.89 FEET; THENCE N45°18'05"E, A DISTANCE OF 34.10 FEET; THENCE N01°24'01"W, A DISTANCE OF 27.23 FEET; THENCE N74°52'19"W, A DISTANCE OF 41.13 FEET; THENCE N63°12'38"W, A DISTANCE OF 38.16 FEET TO THE TPOB.

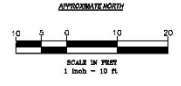
SUBJECT TO COVENANTS, CONDITIONS AND RESTRICTIONS, IF ANY.

MORE PARTICULARLY SHOWN ON EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

EXHIBIT "B"



SEWER LIFT STATION EASEMENT AREA FOR DOVE CANYON GOLF CLUB



Plotted: Mar 07, 2024 - 1:59pm by: JMS  
 Drawing Name: \\\\S0051728-02-Banham - Red Carpet - Golf Club\2024-03 - Dove Canyon Golf Club\DWG\Golf Club Boundary.dwg

03/07/2024

**DMC ENGINEERING**  
 CIVIL • SURVEYING • PLANNING • CONSTRUCTION

Tel: (949) 753-9393  
 18 Teledigging Drive, Suite 100, Irvine, California 92618  
 E-Mail: dmc@dmceing.com • www.dmceng.com

TRABUCO CANYON WATER DISTRICT

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by deed or grant dated \_\_\_\_\_  
\_\_\_\_\_ from \_\_\_\_\_  
\_\_\_\_\_ to TRABUCO CANYON WATER DISTRICT, a County water district, is hereby accepted  
by the undersigned officer on behalf of the Board of Directors, pursuant to authority conferred by  
Resolution No. 99-894 of the Board of Directors, adopted on June 16, 1999, and the TRABUCO  
CANYON WATER DISTRICT consents to recordation thereof by its duly authorized officer.

Date: \_\_\_\_\_

TRABUCO CANYON WATER DISTRICT

By: \_\_\_\_\_

Michael Perea  
District Secretary  
Trabuco Canyon Water District

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | JUNE 5, 2024**

**ENGINEERING MATTERS**

**ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

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1. Golf Club Sewer Lift Station Construction Update
2. DWTP Office Trailer Update
3. Golf Course Recycled Water Vault Upgrade
4. WWTP Blower Room Project
5. Bell Canyon and Barenberg Lift Station Easements
6. Other Projects

**RECOMMENDED ACTION:**

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

**EXHIBIT(S):**

1. Golf Club SLS Monthly Construction Report
2. DWTP Construction Photos
3. Blower Room Photos

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

**Golf Club Sewer Lift Station  
Improvement Project  
TCWD Project No. 2122-010**

Construction Report  
April 2024





**I. GENERAL PROJECT INFORMATION**

***Contract*** Golf Club Sewer Lift Station Improvement Project

***Contractor*** Pacific Hydrotech Corporation (PHC)

***Contract Time***

Original Calendar Days: 200 Calendar Days  
from Notice to Proceed

Notice to Proceed: January 29, 2024

Original Contract Completion Date: August 16, 2024

Allowed Calendar Days via Change  
Orders: 0 Days

*Revised Completion Date via Potential  
Change Order:* October 4, 2024

Weather-Related Delay Days: 3 Days

***Contract Price***

Original Contract Amount: \$1,889,300.00

Approved Change Order Amount: \$0.00

Revised Contract Amount: \$1,889,300.00

## II. CONSTRUCTION MANAGER SUMMARY

This report provides a summary of activities in April 2024 for the Golf Club Sewer Lift Station Project.

Within April 2024, Pacific Hydrotech Corporation (PHC), continued to backfill the Bypass Wet Well with native, excavated materials. Although, in early April weather impacted continued efforts to backfill the Bypass Wet Well, as the project site had saturated soils and inclement weather prevented the PHC crew to continue. About three (3) Rain Days were assessed. PHC backfilled the Bypass Wet Well in 12-inch lifts, compacted with a remote controlled vibratory, sheep-foot roller, and a “jumping jack” along the exterior edge of the Bypass Wet Well. These efforts were observed by a GMU, Soil Technician – field compaction testing was performed by nuclear gauge, and results achieved compaction expectations. While the backfill was reaching up to grade, i.e. at subgrade of parking lot area, the “Slide Rail Shoring” – posts and panels – were being removed.

After the backfill and compaction of the Bypass Wet Well was completed, PHC proceeded to excavate and install shoring for the 12-inch PVC Gravity Pipeline. This Pipeline is approximately 26 feet below the surface of the parking lot, required a conventional trench box to support and shore up the excavation. As soon as this trench excavation was opened and supported, PHC proceeded to excavate an area to accommodate the Diversion Manhole. The depth of the excavation for the Diversion Manhole is approximately 29 feet below the surface of the parking lot. This also required a conventional trench box system.

While both excavated areas were opened and supported, PHC proceeded to place the 12-inch PVC Gravity Pipeline, check line-and-grade between the penetration (or invert) at the Bypass Wet Well and corresponding penetration at the Diversion Manhole. The Diversion Manhole was delivered and installed by PHC’s subcontractor, Manhole Builders, Inc. The subgrade of the Diversion Manhole was verified by a GMU Soil Technician, and soon after Manhole Builders proceeded to form and place rebar for the manhole base. The manhole base accommodated the pre-existing 10-inch gravity sewer line, which will eventually be opened up to allow flow between Bypass Wet Well and during the Temporary Bypass system, at a later date. GMU obtained concrete samples to perform compressive tests during the 28-day curing period.

Upon completion and installation of the Diversion Manhole, PHC proceeded to place pipe bedding- and “shade”-material for the 12-inch PVC Gravity Pipeline, and started to backfill and compact native, excavated materials for the Diversion Manhole the trench for the Gravity Pipeline. PHC backfilled the Bypass Wet Well in 12-inch lifts, compacted with a remote controlled vibratory, sheep-foot roller, and a “jumping jack” along the exterior edge of the Diversion Manhole. These efforts were observed by a GMU, Soil Technician – like the Bypass Wet Well, field compaction testing was performed by nuclear gauge, and results achieved compaction expectations. While the backfill was reaching up to grade, i.e. at subgrade of parking lot area, the trench box shoring materials were being removed.

When PHC completed the backfill and compaction efforts of these excavated areas, the substructures – Bypass Wet Well and Diversion Manhole were leak tested, and coating subcontractor, Techno Coatings, mobilized onto the site to start the Raven Epoxy lining application of the substructures.

---

**III. CONSTRUCTION ACTIVITIES FOR THIS REPORTING PERIOD**

The following work activities were performed during this reporting period:

- PHC completed backfill and compaction of the Bypass Wet Well, and the “Slide Rail Shoring” system was removed.
- PHC proceeded and completed excavation and backfill for installation of the 12-inch PVC Gravity Pipeline and 5-foot Diversion Manhole. PHC installed conventional, trench box shoring systems for these excavated areas, and were removed upon completion of backfill and compaction.
- The Diversion Manhole was furnished and installed by the subcontractor, Manhole Builders, Inc.
- PHC poured and installed the chamfer or fillet features at the bottom, interior of the Bypass Wet Well and Diversion Manhole.
- PHC prepared Bypass Wet Well and Diversion Manhole to accommodate the Raven Epoxy lining application by subcontractor, Techno Coatings.

**IV. ANTICIPATED CONSTRUCTION ACTIVITIES – NEXT REPORTING PERIOD**

The work activities anticipated in the next reporting period:

- Continue to complete the Raven Epoxy lining application by subcontractor, Techno Coatings. Field inspection for quality assurance and quality control will be performed by CSI Services.
- PHC to install the Drop Bowl Inlet along with the 10-inch PVC down pipe inside the Bypass Wet Well.
- PHC to proceed with exporting excess, excavated material from project site.
- PHC to prepare and rough grade the project site to accommodate the Temporary Bypass System by subcontractor, HERC Rentals.
- Schedule and conduct a Temporary Bypass Workshop with TCWD Engineering and Operations, JIG Consultants, Pacific Hydrotech Corporation, and HERC Rentals.

**V. CONTRACTOR SUBMITTALS**

Through the end of the reporting period, the following submittals have been received:

	Lift Station
Prior Submittals	29
Submittals Received This Period	14
<b>TOTAL SUBMITTALS</b>	<b>53</b>

**VI. CONTRACTOR REQUEST FOR INFORMATION (RFIs)**

Through the end of the reporting period, the following RFIs have been received:

	Lift Station
Prior RFIs	7
RFIs Received This Period	1
<b>TOTAL RFIs</b>	<b>8</b>

**VII. CHANGE ORDERS**

No change order requests were submitted by PHC and change orders process by TCWD.

**VIII. SCHEDULE**

The Notice to Proceed (NTP) is based on January 29, 2024 as an immediate need to start and install the Surge Tank directed by TCWD. The Contract Duration is 200 Calendar Days, and this results in a Contract Completion on August 16, 2024.

It was discussed at the Pre-Construction Meeting that because of the immediate need to start the Surge Tank, and the sum of the materials being procured and delivered for the Temporary Bypass System and stainless steel, Air Release Valves, it is anticipated that the Contract Completion will be extended.

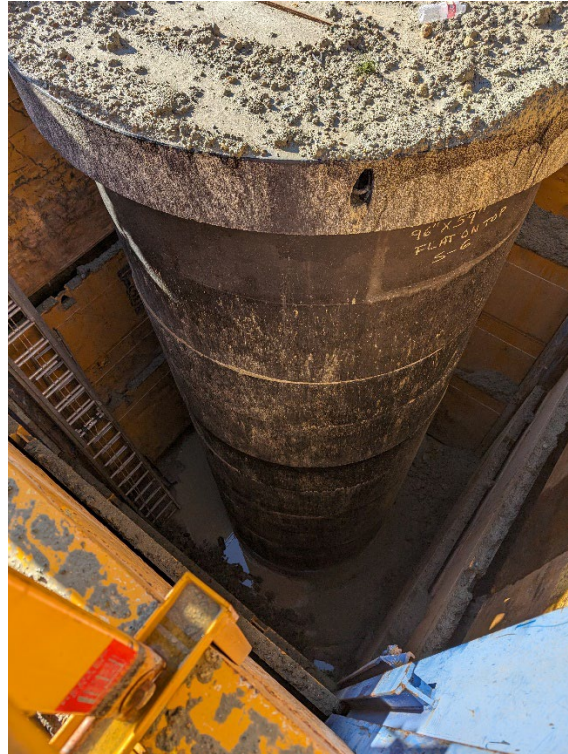
As such, an updated Progress Schedule prepared by PHC reflects a Contract Completion of October 4, 2024. This will result in an anticipated non-compensable, time extension under a separate Change Order to be issued to Pacific Hydrotech Corporation.

**IX. PHOTOS**

Construction photos documenting PHC's activities and progress during this reporting period are provided in Appendix A.

## APPENDIX A

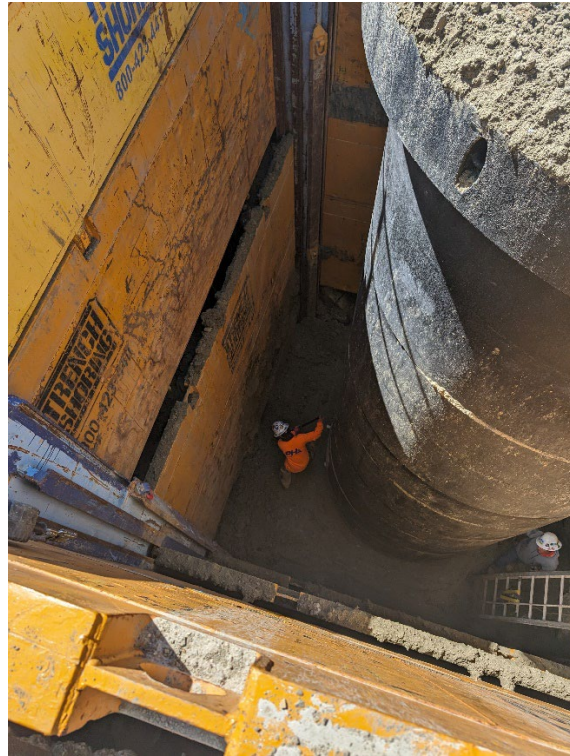
### Construction Photos



Conditions of Bypass Wet Well during Rain Day – bottom of excavation with ponded surface water.



Native, backfill material being placed in Bypass Wet Well excavation.



**PHC spreading backfill material prior to compaction efforts.**



**PHC utilizing a remote controlled, vibratory, sheep-foot roller.**





Continued to backfill and compact materials towards grade.



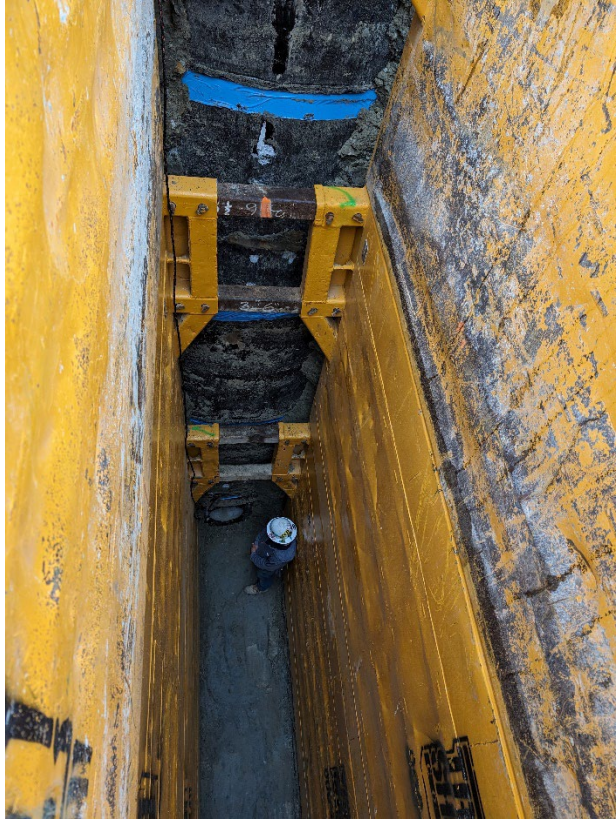
“Slide Rail Shoring” system being removed as backfill reaches grade.



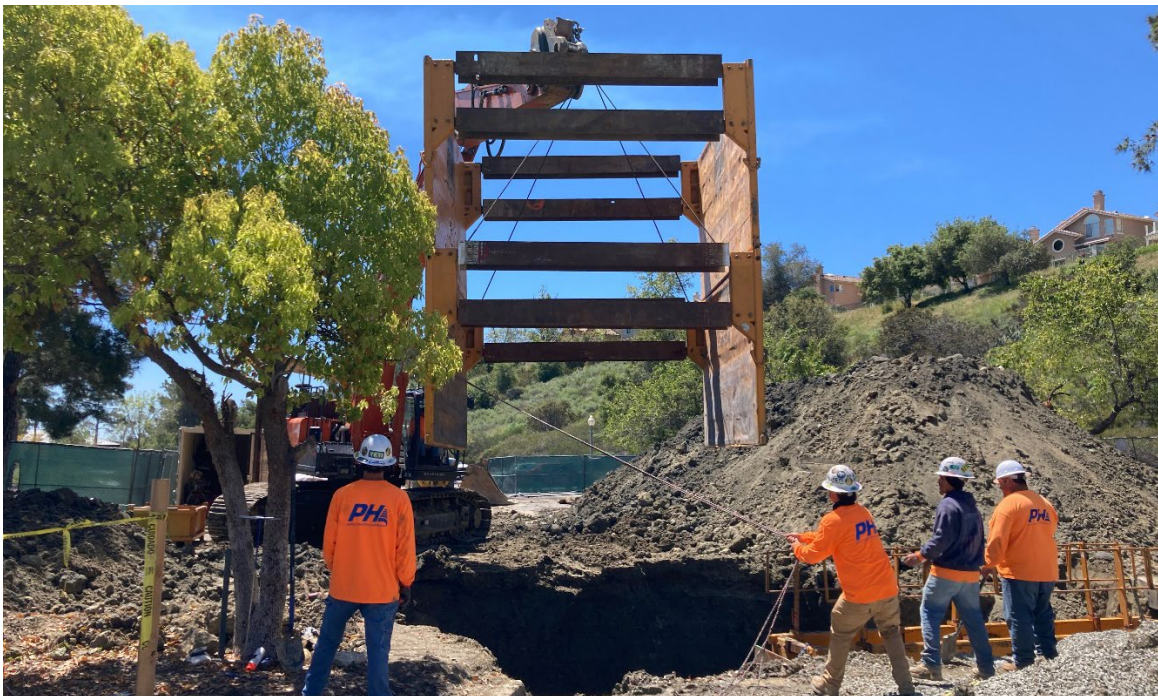
**GMU Soil Technician field observing and assessing backfill and compaction efforts.**



**PHC started to excavate and support trench for 12-inch PVC Gravity Pipeline.**



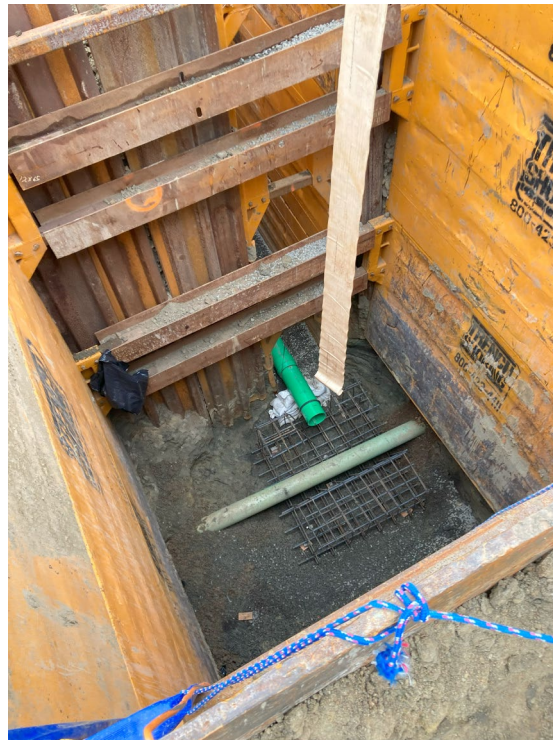
Open and shored excavation for 12-inch PVC Gravity Pipeline.



Conventional, trench box shoring for Diversion Manhole.



**Bottom of Diversion Manhole excavation with 12-inch PVC Gravity Pipeline penetration.**



**Rebar and form for Diversion Manhole concrete base.**



**Delivery and install of Diversion Manhole.**



**Continued and completed installation of Diversion Mahole.**



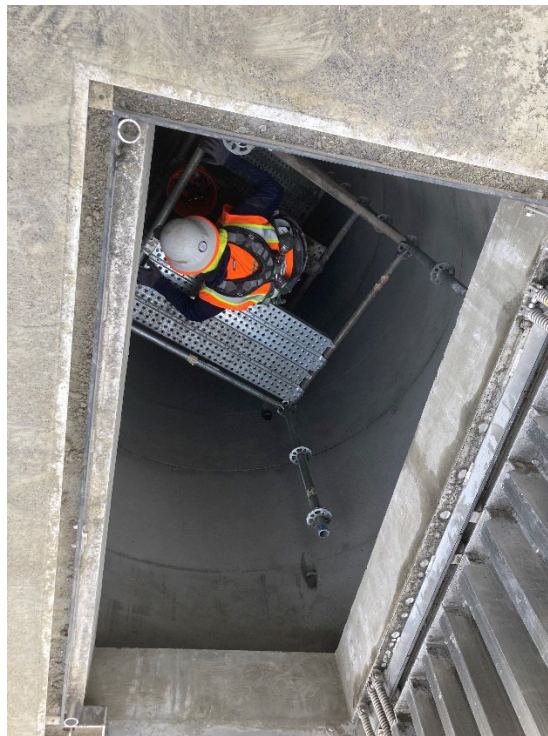
**Backfilled and compacted materials for 12-inch PVC Gravity Pipeline and Diversion Manhole.**



**Removal of conventional, trench box shoring materials.**



**GMU Soil Technician field observing and assessing backfill and compaction efforts by nuclear gauge.**



**Techno Coatings mobilized onto Bypass Wet Well to install scaffolding and continue with sandblasting prior to epoxy-lining application.**

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# DWTP Office Trailer Rehabilitation

Trabuco Canyon Water District  
June 5<sup>th</sup>, 2024 E&O Committee





# Restroom Reconstruction



# Replacement of Damage Sub-Floor



# Acoustic Ceiling and New Skirt Replacement



# Restroom Fixture Installation



# New Acoustic Ceiling and Stairs



# Robinson Ranch Wastewater Treatment Plant Blower Modifications

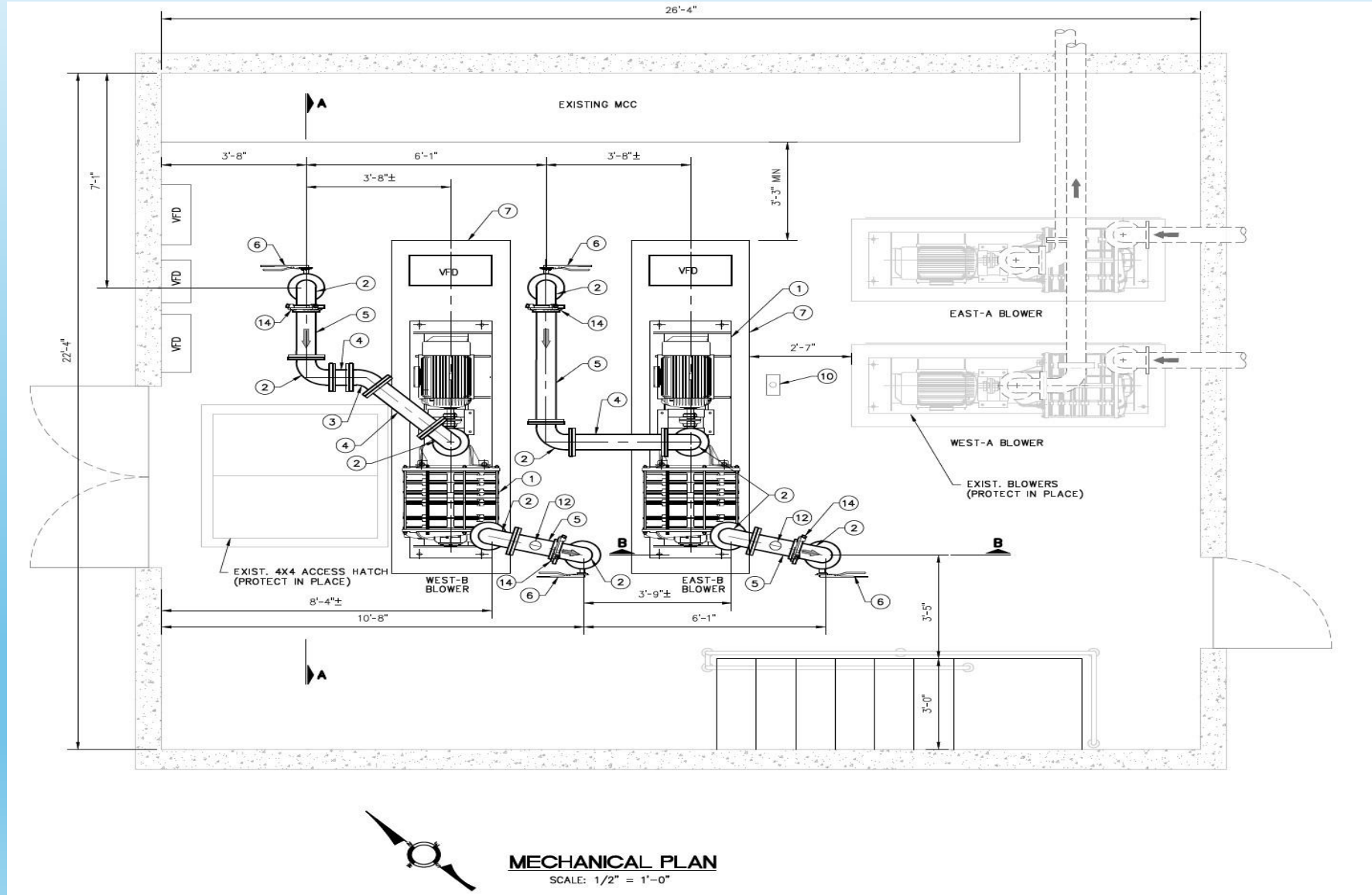
Trabuco Canyon Water District  
June 3, 2024 E&O Committee



# Existing Blowers Inside of Blower Building



# Original Plan - Install New Blowers & VFDS Inside of Blower Building





# Proposed New Location for Blowers Adjunct to the Existing Blower Building



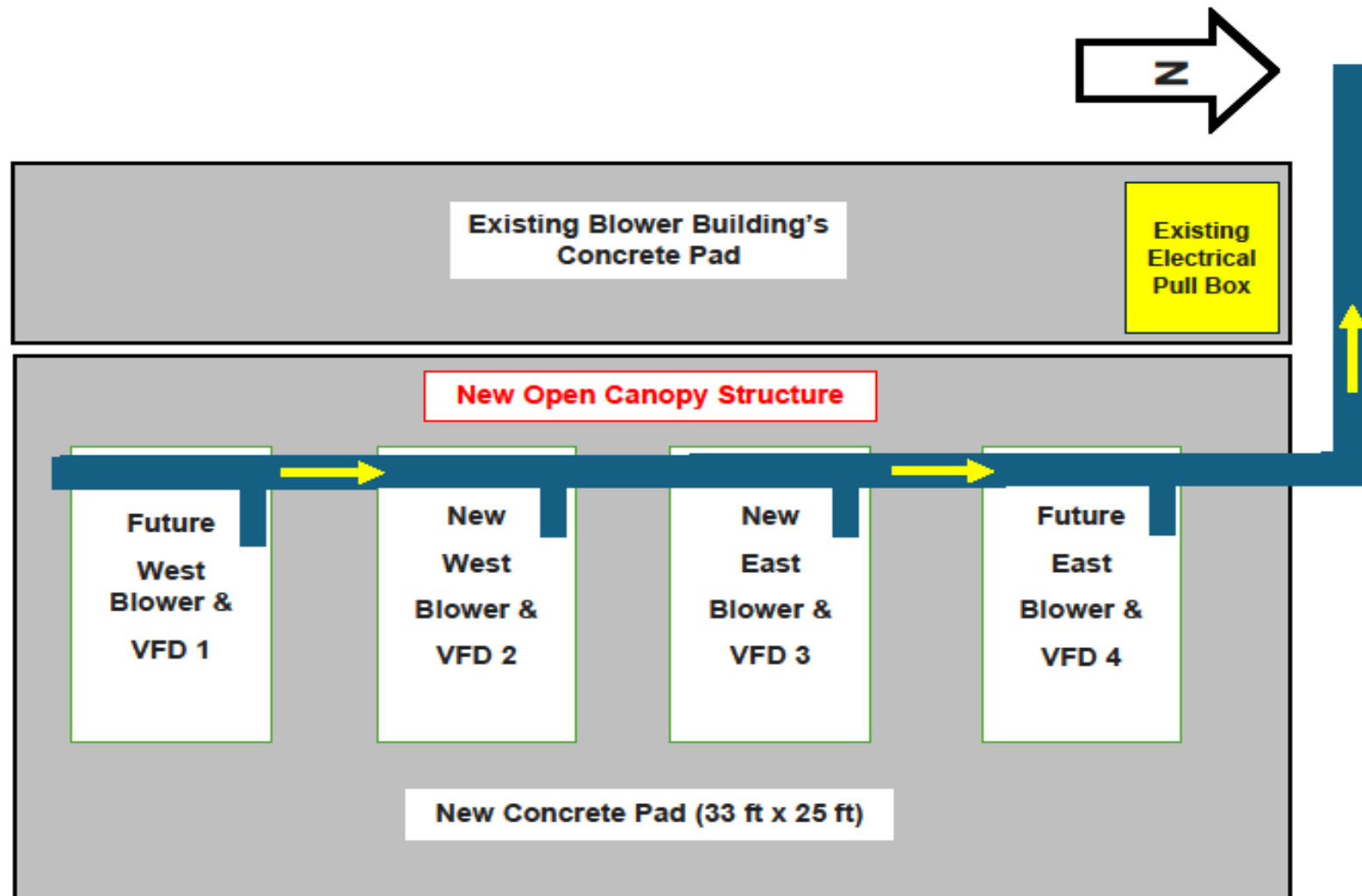
# Field Marks for New Blowers & VFDs



# Field Marks for New Blowers' Discharge Piping Connections



# Proposed Outdoor Layout No. 3

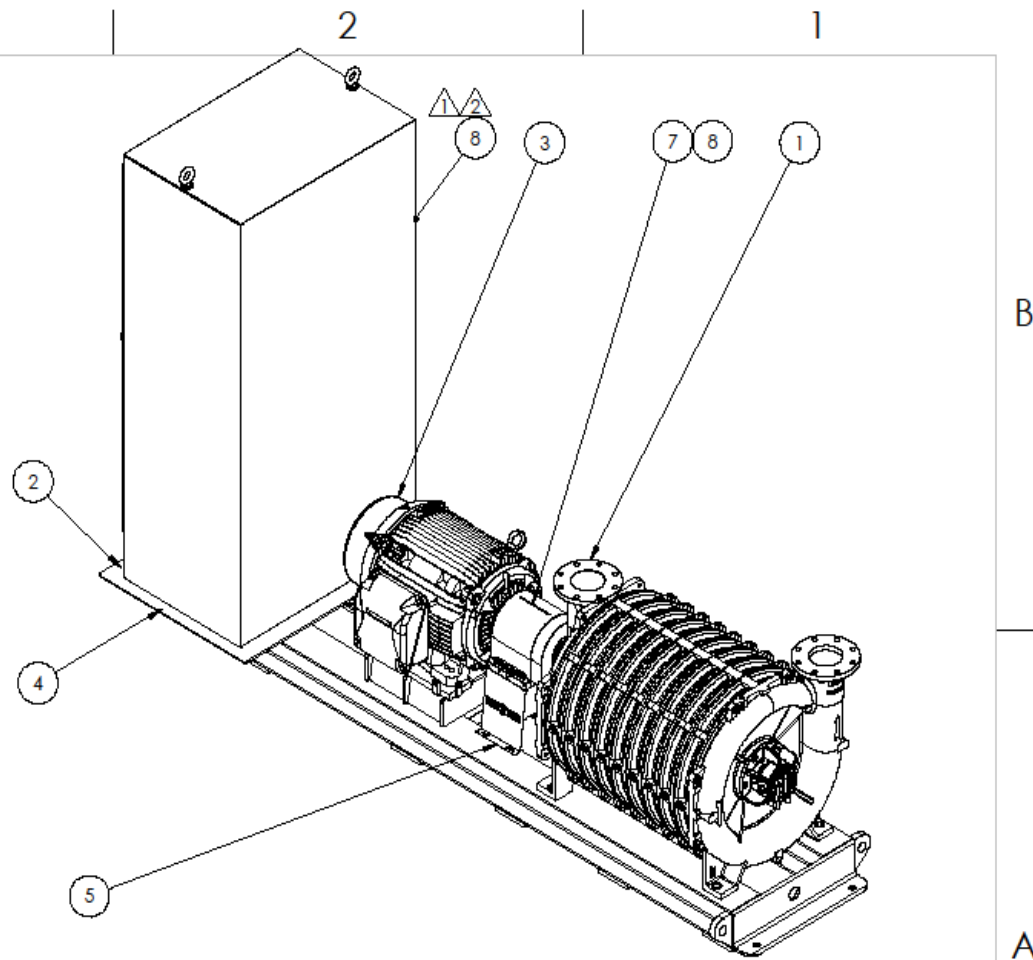


Not Intended for Construction and Not To Scale  
May 28, 2024

## Draft Layout 3 - New Blowers & VFDs

# New Lone Star Blower & VFD Drawing

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	N/A	MC5-10 STAGE BLOWER	1
2	N/A	SKID ASSEMBLY, 25 X 120	1
3	N/A	MOTOR	1
4	1000964000	PAD, VIBRATION ISOLATION, 6X6X5/8	12
5	1000800050	BASE, MC5/6, ADJUSTABLE GUARD	1
6	N/A	COUPLING	1
7	1000800049	GUARD, MC5/6, COUPLING, ADJUSTABLE, E5-E20	1
8	N/A	VFD	1



B

B

A

A

ZONE	REV.	REF. DOC	DESCRIPTION	DATE	APPROVED
B2	2		UPDATED VFD	5/17/2024	J.CUMMINGS
B2	1		UPDATED VFD	2/1/2024	J.CUMMINGS
	0		INITIAL RELEASE	10/02/2023	J.CUMMINGS
REVISIONS					

NOTES:

REMOVE ALL DIMENSION DIMENSIONING AND TOLERANCING TO SHARP EDGES UNLESS OTHERWISE SPECIFIED	
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
STANDARD TOLERANCES	
MACHINING	ASSEMBLY
X ±.020	X/X ±.1/8
JX ±.010	ANGLES ±.2°
XXX ±.005	WELDING
X/X ±1/64	ALL WELD SYMBOLS PER THE AMERICAN WELDING SOCIETY
ANGLES ± 1°	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LONE STAR BLOWER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LONE STAR BLOWER IS PROHIBITED.	

MATERIAL	
N/A	
WEIGHT: N/A	
REMOVE BURRS AND BREAK ALL SHARP EDGES MACHINED SURFACES 63	
DRAWN BY	DATE
J.CUMMINGS	10/02/2023
CHECKED BY	DATE
S.SCHOPPA	10/02/2023
APPROVED BY	DATE
J.CUMMINGS	10/02/2023
THIRD ANGLE PROJECTION	

**LONE STAR**

GENERAL ARRANGEMENT,  
MC5, 10 STAGE, INLET DRIVE,  
IP1, DP1, E30, 364/5TS

SIZE	DWG. NO.	REV
B	MC5-10-VFD	2
DRAWING IS FOR REFERENCE ONLY UNLESS SPECIFIED AS APPROVED PART MC5-10-VFD		
SCALE: 1:48	DO NOT SCALE DRAWING	SHEET 1 OF 3

4

3

2

1

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | JUNE 5, 2024**

**OPERATIONAL MATTERS**

**ITEM 5: WATER SYSTEM UPDATES**

---

The following is a brief report of the water system through **May 2024**.

**Projects and Repairs**

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

1. Worked with contractor to replace 8" inline isolation valve on Glen Echo in the Dove Canyon community.
2. Replaced 2" curb stop on Hemingway Drive.
3. Serviced 47 valves in the Dove Canyon community.
4. Worked with New Dimensions (Contractor) on Dimension Water Treatment Plant (DWTP) office rehabilitation.

**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 - 2024**

<b>System Demands**</b>													
AF/Day	3.1	2.8	3.0	3.3									3.1
Daily Average, CFS	1.5	1.4	1.5	1.6									1.5
<b>Other Water Deliveries/Purchases</b>													
Ridgeline (DWTP Delivery)	0.0	51.5	43.4	0.0									94.9
El Toro (Interconnection Purchase)	0.0	0.0	0.0	0.0									0.0
Baker WTP (CSC Delivery)	89.1	89.7	106.2	106.3									391.3
Portola Hills (Wholesale Purchase)	8.5	7.5	7.0	7.2									30.2
Skyridge (Wholesale Purchase)	1.7	1.5	1.5	1.5									6.2
* Usage estimated <span style="float: right;">** Excludes Operational use, losses, and supplement to Recycled Water Reservoir (RW)</span>													



**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING | JUNE 5, 2024**

**OPERATIONAL MATTERS  
ITEM 6: WASTEWATER SYSTEM UPDATES**

The following is a brief report of the wastewater system through **May 2024**.

**Projects and Repairs**

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

1. Worked with Ferreira Construction to repair an emergency 12” sewer force main line break at El Toro Lift Station.
2. Cleaned a major section of Santiago Canyon Road sewer pipeline with the assistance of a third-party traffic control contractor.
3. Replaced a submersible pump at Golf Club Sewer Lift Station in the Dove Canyon community.
4. Installed and tested new emergency back-up high-level dialers at Golf Club and Plano Sewer Lift Stations.

**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>9,440</b>
Total Sewer Line Cleaned (Ft) – Cleaning Cycle	69,114
Cleaning Cycle Period (Mos.) [Start date: 1/1/24]	1
<b>Total Sewer Line Cleaned, %</b>	<b>32%</b>
The Oaks at Trabuco – Pumping Frequency for the Month	14
O’Neill Park Sewer System Status	Ok
O’Neill Park Sewer System Repairs	None
SSMP Quarterly Report – <i>Next Quarterly Report</i>	1Q 2024
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 | RECYCLED WATER SYSTEM SUMMARY - 2024**

<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	39.4	40.0	42.4	42.1									164.0	517.2
Reclaimed Reservoir Level, FT	1274.5	1,272.8	1,273.0	1,273.5	1,273.5									-	-
Reclaimed Reservoir Free Board, FT	25.5	1.7	1.5	1.0	1.0									-	-
Reclaimed Reservoir Storage, AF	145.5	134.3	135.7	137.5	137.5									-	-
Supplemental Domestic Water Added, AF	N/A	0.0	0.0	0.0	0.0									0.0	5.2

<b>RECYCLED WATER SYSTEM DEMAND</b>															
NON DOMESTIC WATER USER	ALLOC. AF	8% JAN	17% FEB	25% MAR	33% APR	42% MAY	50% JUN	58% JUL	67% AUG	75% SEP	83% OCT	92% NOV	100% DEC	TOTAL	ALLOC. %
Dahlia Court	8.2	0.00	0.1	0.1	0.2									0.43	5.3%
Dove Canyon Golf Course	106.7	0.54	1.1	0.4	8.5									10.50	9.8%
Dove Canyon Master Association	279.3	0.90	1.2	3.0	4.6									9.67	3.5%
Robinson Ranch	80.2	0.78	1.1	0.3	0.4									2.62	3.3%
Trabuco Highlands	159.7	1.97	2.0	0.2	1.7									5.93	3.7%
City of RSM	0.1	0.03	0.00	0.00	0.01									0.04	30.0%
Construction Water	N/A	0.00	0.0	0.0	0.0									0.00	N/A
Sakaida Nursery	1.1	0.00	0.0	0.0	0.0									0.00	0.0%
SMWD	N/A	-	-	-	0.0									0.00	N/A
TY Nursery	17.9	0.00	0.00	0.0	0.0									0.00	0.0%
<b>TOTAL, AF</b>	<b>653.2</b>	<b>4.2</b>	<b>5.5</b>	<b>4.0</b>	<b>15.4</b>									<b>29.19</b>	<b>4.5%</b>
<b>PERCENTAGE OF NDW ALLOCATION/YEAR</b>		<b>0.6%</b>	<b>1.5%</b>	<b>2.1%</b>	<b>4.5%</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		0.06	0.06	0.00	0.00									0.12	14.2
Dove   Tick Creek Production*	Dry Season	4.9	0.0	0.0	0.0									4.9	43.5
	TCWD Portion	4.9	0.0	0.0	0.0									4.9	-
	SMWD Portion	0.0	0.0	0.0	0.0									0.0	-
Dove Lake Water Pumped		0.0	0.0	0.0	0.0									0.0	183.0
Dove Lake Free Board, Ft		0.0	0.0	0.0	0.0									-	-
Dove Lake Storage, AF		331.0	331.0	331.0	331.0									-	-
Total Rainfall, In.		4.7	11.0	4.5	1.6									21.8	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 | JUNE 5, 2024**

**OPERATIONAL MATTERS**

**ITEM 7: MAINTENANCE DEPARTMENT UPDATES**

---

The following is a brief report of work completed by Maintenance staff through **May 2024**

**Projects and Repairs**

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

**Water Operations**

1. Assisted Operations with hydrostatic tank inspection at Canyon Creek Booster Pump Station.
2. Installed new Rotron blower at the DWTP filter building.

**Wastewater Operations**

1. Assisted Operations with removing a stage one pump for repairs at Golf Club Sewer Lift Station and sending to contractor for repairs.
2. Assisted Operations on emergency 12" sewer force main line break at El Toro Lift Station.
3. Worked with Pulsco and SS Mechanical (Contractors) on restoring surge tank operational controls at El Toro Sewer Lift Station after sewer line repair.

**District Fleet Upgrades & Other Projects**

1. Prepared and participated in the Water Awareness Day event.
2. Continued with weed abatement at Robinson Ranch Wastewater Treatment Plant.

**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 | JUNE 5, 2024**

**REGULATORY AND OTHER MATTERS  
ITEM 8: 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**