

# ENGINEERING/OPERATIONAL COMMITTEE MEETING AGENDA TRABUCO CANYON WATER DISTRICT

32003 DOVE CANYON DRIVE, TRABUCO CANYON, CA ADMINISTRATION FACILITY, BOARDROOM DECEMBER 1, 2021 AT 7:00 AM

# **COMMITTEE MEMBERS**

Edward Mandich, Committee Chair Stephen Dopudja, Committee Member Michael Safranski, Committee Member Alternate

### **DISTRICT STAFF**

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

#### **AGENDA NOTE:**

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

Persons desiring to monitor the Committee meeting agenda items may download the agenda and documents on the internet at <a href="www.tcwd.ca.gov">www.tcwd.ca.gov</a>. You may submit public comments by email to the Committee at <a href="mperea@tcwd.ca.gov">mperea@tcwd.ca.gov</a>. 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 <a href="mailto:not later than 7:00 a.m.">not later than 7:00 a.m.</a> (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**. 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**. 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

### **ADMINISTRATIVE MATTERS**

PRESENTER(S): FERNANDO PALUDI, GENERAL MANAGER MICHAEL PEREA, DISTRICT SECRETARY

# 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. November 3, 2021 Committee Meeting

# **ENGINEERING MATTERS**

PRESENTER(S): FERNANDO PALUDI, GENERAL MANAGER

MICHAEL PEREA, ASSISTANT GENERAL MANAGER

LORRIE LAUSTEN, DISTRICT ENGINEER

ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING T-MOBILE CELLULAR SITE LEASE AMENDMENT NO. 2

#### **RECOMMENDED ACTION:**

Committee to receive information at the time of the Committee Meeting and recommend the Board of Directors approve the T-Mobile West LLC Amendment No. 2 to the Site Lease Agreement (Action Calendar).

# ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

- 1. Saddleback Meadows Development
- 2. Trabuco Creek Wells Facility
- 3. Orange County Rescue Mission Service Relocation
- 4. Other Projects

# **RECOMMENDED ACTION:**

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

# **OPERATIONAL MATTERS**

PRESENTER(S): GARY KESSLER, WATER SYSTEM SUPERINTENDENT

MICHAEL PEREA, ASSISTANT GENERAL MANAGER

JASON STROUD, MAINTENANCE DEPARTMENT SUPERINTENDENT

### **ITEM 4: WATER SYSTEM UPDATES**

# **RECOMMENDED ACTION:**

Committee to receive system status updates. No action required.



#### **ITEM 5: WASTEWATER SYSTEM UPDATES**

# **RECOMMENDED ACTION:**

Committee to receive system status updates. No action required.

## ITEM 6: MAINTENANCE DEPARTMENT UPDATES

# **RECOMMENDED ACTION:**

Committee to receive system status updates. No action required.

## REGULATORY AND OTHER MATTERS

# **ITEM 7: 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. 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 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.

#### 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.



# **ADMINISTRATIVE MATTERS**

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. November 3, 2021 Committee Meeting

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



# **DIRECTORS PRESENT**

Ed Mandich, Committee Chair Stephen Dopudja, Committee Member

# **STAFF PRESENT**

Fernando Paludi, General Manager Michael Perea, Assistant General Manager Lorrie Lausten, District Engineer Karen Warner, Principal Accountant Gary Kessler, Water Superintendent Jason Stroud, Maintenance Superintendent Oscar Ulloa, Wastewater Chief Plant Operator Lisa Marie Sangi, Executive Assistant

# **PUBLIC PRESENT**

None

# **PUBLIC PRESENT VIA CONFERNECE CALL**

None

# **CALL MEETING TO ORDER**

Director Mandich called the November 3, 2021 Engineering/Operational Committee Meeting to order at 7:01 AM. Public access to the meeting was made available by teleconference broadcast.

# **VISITOR PARTICIPATION**

No comments were received.

# **ORAL COMMUNICATION**

No comments were received.

# **COMMITTEE MEMBER COMMENTS**

No comments were received.

# **REPORT FROM THE GENERAL MANAGER**

No comments were received.

# ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

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

# **RECOMMENDED ACTION**

The Committee recommended that the Engineering/Operational Committee Meeting Recap(s) be forwarded to the Board of Directors for approval (Consent Calendar).

# ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING FISCAL YEAR 2021/2022 CAPITAL IMPROVEMENT PROGRAM BUDGET REALLOCATIONS

Mr. Paludi introduced this matter to the Committee for consideration. Ms. Lausten provided a brief overview of the adopted Fiscal Year 2021/2022 Capital Improvement Program (CIP), and she presented a proposed reallocation budget due to the impacts of higher critical facility improvement projects. Mr. Perea provided additional feedback related to the proposed budget reallocation and he emphasized the critical nature of certain wastewater facility projects. Discussion occurred concerning certain project deferment to future years. Mr. Paludi added that District staff will bring additional information related to this matter, including financing options as detailed in the 2020 rate study.

#### **RECOMMENDED ACTION:**

Committee recommended forwarding the DRAFT Proposed Reallocated Fiscal Year 2021/2022 Capital Improvement Program Budget to the Board of Directors for consideration (Action Calendar).

# ITEM 3: DIMENSION WATER TREATMENT PLANT BACKWASH TANK REPLACEMENT PROJECT UPDATE

Ms. Lausten provided a brief project status update, and she reported that the project has been completed. Ms. Lausten presented project photos for Committee review, and she reported that a contract change order would be presented at the following Committee meeting for consideration. Mr. Kessler commented that Water Operations is very satisfied with the final product. Discussion occurred concerning ongoing cathodic protection improvements at District facilities.

## **RECOMMENDED ACTION:**

Receive information at the time of the meeting. No action required.

# ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING HERITAGE SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi introduced this matter for Committee review, and he mentioned that this project is currently in the design stage. Ms. Lausten provided a brief update on the proposed design and engineer's estimated project budget. Discussion occurred concerning certain proposed facility mechanical, electrical, and site security improvements. Ms. Lausten added that this project has been re-scheduled for Fiscal Year 2022/2023.

# **RECOMMENDED ACTION:**

There was no action taken.

# ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING EL TORO SEWER LIFT STATION SURGE TANK REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee consideration. Mr. Perea reported that JIG Consultants has completed the final design for the station improvements, including mechanical and electrical improvements. Mr. Perea expressed his appreciation to Irvine Ranch Water District (IRWD) for their patience during this process as the station is currently bypassed to their facility downstream. Ms. Lausten reviewed the plans and specifications, and she reported that SS Mechanical is finalizing a proposal for the proposed improvements. Discussion occurred concerning supply chain challenges and delays that have impacted the procurement of certain items. Mr. Perea recommended forwarding this matter to Board of Directors for their consideration.

# **RECOMMENDED ACTION:**

The Committee recommended forwarding this information to the Board of Directors for their consideration (Action Calendar).

#### TRABUCO CANYON WATER DISTRICT

# **ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021**

# ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING ADOPTION OF UPDATED MEMORANDUM OF UNDERSTANDING BETWEEN THE COUNTY OF ORANGE FOR USE OF COUNTYWIDE MASS NOTIFICATION SYSTEM (ALERTOC)

Mr. Paludi presented this matter for Committee consideration. Mr. Perea provided a brief review of the District's participation in County of Orange Countywide Mass Notification System (AlertOC) since 2013, and he presented the updated proposed Memorandum of Understanding (MOU) with a review of the updated terms. Mr. Perea recommended the Board of Directors approve and authorize the continued participation in the AlertOC system.

# **RECOMMENDED ACTION:**

Committee recommended the Board of Directors approve and authorize the General Manager to execute the Memorandum of Understanding Between the County of Orange and Participants for Use of Countywide Mass Notification System (Action Calendar).

# ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

# 1. Dimension Water Treatment Plant Office and Storage Improvements

Mr. Paludi introduced this matter for Committee consideration. Ms. Lausten reviewed the proposed office site layout and final plans. Ms. Lausten mentioned that this matter will be brought back to the next Engineering/Operational Committee meeting for Committee consideration.

# 2. Saddle Crest Development

Mr. Paludi introduced this matter. Mr. Perea mentioned that District staff met with the Developer onsite and reviewed the punch list items; testing and accepting the facilities once TCWD standards have been met.

# 3. Golf Club Sewer Lift Station Surge Tank Replacement

Mr. Perea provided a brief project update to the Committee, and he reported on the procurement delays for the Motor Control Center (MCC) and certain valves. Ms. Lausten reported that District staff are evaluating the replacement and relocation of the facility onsite surge tank.

# 4. Other Projects

Ms. Lausten mentioned that Verizon Mobile has contacted the District concerning the potential for a cellular tower installation on an above ground reservoir. Mr. Paludi added that more information concerning this matter will be presented at a future meeting.

# **RECOMMENDED ACTION**

The Committee received the status updates. There was no action taken.

## **ITEM 8: WATER SYSTEM UPDATES**

Mr. Kessler reviewed the projects and repairs for October 2021, and he reported that Water Operations staff has completed the following tasks:

- 1. Worked with Ferreira Construction to repair a 10" domestic water emergency pipeline break on Live Oak Canyon Road.
- 2. Replaced the backwash waste valve on Filter No. 2 at the Dimension Water Treatment Plant (DWTP).
- 3. Completed eight fire flow tests in the both the Saddle Crest Development and Shelter Canyon Development.
- 4. Worked with Wastewater Operations assistance to repair a leaking water valve in the Rancho Cielo community.

5. Relocated excess spoils from DWTP Backwash Tank Rehabilitation Project to Coyote Flats below Robinson Ranch Wastewater Treatment Plant.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that domestic water was supplied to the reclaimed water reservoir to meet high system demands.

# **RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

# **ITEM 9: WASTEWATER SYSTEM UPDATES**

Mr. Ulloa reviewed the projects and repairs for October 2021, and he reported that Wastewater Operations staff had completed the following tasks:

- 1. Worked with TESCO Controls on SCADA system upgrades.
- 2. Worked with Maintenance Department to install a back-up polymer pump for solids handling.
- 3. Completed wastewater and recycled water quarterly sampling schedule.
- 4. Worked with Brightview Landscape for weed abatement of overflow structures at Dove Lake and Reservoir.
- 5. Cleaned gravity sanitary sewer lines from Falcon View Estates to El Toro Lift Station overnight with Traffic Control assistance.
- 6. Worked with Maintenance Department on blower motor improvements at the Robinson Ranch WWTP.

Mr. Ulloa provided a review of the Monthly Non-Domestic Water (NDW) System Summary report for October 2021, and he reported that operations supplemented the reclaimed water reservoir with domestic water to meet high system demands. Mr. Perea reported that District staff will invoice NDW users for the cost of supplemental domestic water in accordance with the Recycled Water Allocation Policy.

# **RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

# **ITEM 10: MAINTENANCE DEPARTMENT UPDATES**

Mr. Stroud reviewed the projects and repairs for October 2021, and he provided the additional highlights:

- 1. Finished repairs at Falcon Booster Pump Station with new motors, and rebuilt pumps.
- 2. Scheduled Quinn CAT Mobile Services to repair the CAT 430E backhoe stinger ram, located at the Robinson Ranch Wastewater Treatment Plant.
- 3. Excavated a 12'deep x 16'long x 3'wide trench for the Orange County Fire Authority to perform their annual trench safety training.
- 4. Provided flood damage assistance at the Administration building.
- 5. Staff attended the SCADA kick-off meeting with TESCO Controls.

Mr. Stroud provided a brief update on the upcoming staff training for open trench/competent person training.

# **RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

# **ITEM 11: OTHER MATTERS/REPORTS**

There were no other matters or reports received.

# **RECOMMENDED ACTION**

There was no action taken.

# **ADJOURNMENT**

Director Mandich adjourned the November 3, 2021 Engineering/Operational Committee Meeting at 7:55 AM.



# **ENGINEERING MATTERS**

# ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING T-MOBILE CELLULAR SITE LEASE AMENDENT NO. 2

Trabuco Canyon Water District (District) owns and operates two domestic water reservoirs (commonly known as the Trabuco Tanks) in the Robinson Ranch community. Since approximately 2005, the District has had an onsite lease with option agreement with T-Mobile USA communications for onsite cellular equipment, and the contractual arrangement has been managed by ATS Communications (ATS) by a separate agreement with the District. Recently, District staff and legal counsel have been working with ATS to review certain terms of the site lease agreement with T-Mobile, which has resulted in a proposed Amendment No. 2 (Exhibit 1).

# **FUNDING SOURCE:**

Not applicable.

# **FISCAL IMPACT:**

Potential for increased revenue due to annual rent adjustments.

# **ENVIRONMENTAL COMPLIANCE:**

Not applicable

# **RECOMMENDED ACTION:**

Committee to receive information at the time of the Committee Meeting and recommend the Board of Directors approve the T-Mobile West LLC Amendment No. 2 to the Site Lease Agreement (Action Calendar).

## **EXHIBIT(S)**:

1. DRAFT-Amendment No. 2 to Site Lease with Option Agreement

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

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

# AMENDMENT NO. 2 TO SITE LEASE WITH OPTION

THIS AMENDMENT NO. 2 to S.	THE LEASE AGREEMENT ("Amendment No. 2") is made and
entered into thisday of	, 2021,
BY AND BETWEEN	TRABUCO CANYON WATER DISTRICT, a public corporation, hereinafter referred to as "Landlord,"
AND	T-MOBILE WEST LLC (formerly a corporation), a Delaware limited liability company, successor in interest by merger to TMO CA/NV, LLC, successor in interest to OMNIPOINT COMMUNICATIONS INC., a subsidiary of T-Mobile USA, Inc., hereinafter referred to as "Tenant."

# RECITALS

- A. Landlord is the owner of that certain real property legally described in Exhibit "A" commonly known as Trabuco Reservoir located at 21194 Meander Lane, Trabuco Canyon, California 92697 (Assessor's Parcel Number 125-110-022) ("Landlord's Property") related to the Site Lease with Option agreement defined in Recital B below.
- B. Landlord and Tenant are parties to that certain Site Lease with Option dated December 29, 2005, as amended by that certain First Amendment to Site Lease with Option dated January 9, 2008, ("First Amendment," and collectively, the "Lease") wherein Landlord leased to Tenant a certain portion of Landlord's Property, including any applicable non-exclusive easements for access and utilities, commonly known as Trabuco Reservoir for uses permitted under the Lease.
- C. Landlord and Tenant have agreed to amend the Lease in order to allow Tenant to expand the use and size of the existing Premises, and to install and operate additional equipment and associated cables on Landlord's Property, as more particularly described in this Amendment No. 2 below.
- D. Landlord and Tenant have agreed to amend the Lease to revise the Rent, and make other revisions to the Lease, all as set forth more fully below.
- E. Landlord and Tenant agree to enter into this Amendment No. 2 in order to set forth terms and conditions applicable to the Lease as described below.

# **AGREEMENT**

**NOW THEREFORE**, in consideration of the promises and conditions set forth herein, and for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

- 1. **Incorporation of Recitals**. The Recitals set forth above are, by this reference, hereby incorporated into this Amendment No. 2 as if fully set forth in the body hereof.
- 2. **Defined Terms**. Any capitalized terms used in this Amendment No. 2 that are not defined herein shall have the meanings given those terms in the Lease. Unless the context clearly indicates otherwise, all references to the "Lease" in this Amendment No. 2 shall hereinafter be deemed to refer to the Lease as amended hereby.
- 3. **Premises.** Section 1 of the Lease is hereby deleted in its entirety and replaced with the following:

"Landlord owns the real property legally described in Exhibit "A" commonly known as the Trabuco Reservoir Site, with a street address of 21194 Meander Lane, Trabuco Canyon, CA 92697 (Assessor's Parcel Number 125-110-022) and a water tank located thereon ("Water Tank"). Subject to the following terms and conditions, Landlord leases to Tenant that portion of Landlord's Property ("Landlord's Property") only as depicted in Exhibit "D," including any applicable non-exclusive easements for access and utilities, only as depicted on Exhibit D (the "Premises")."

- 4. Premises. Section 1 (d) of the Lease is hereby added to Section 1 of the Lease:
  - "(d) Tenant shall submit to Landlord plans and specifications (the "Plans") for the any proposed modification of the installation (as defined in Exhibit "C," attached hereto), together with the sum of Five Thousand and no/Dollars (\$5,000.00). Landlord shall have the sole right to approve the plans in writing. Landlord's approval must be given or denied within sixty (60) days after submission thereof by Tenant. In the event Landlord objects to Plans, Landlord's objections shall be clearly stated in writing. If Landlord objects to the Plans, Tenant shall have the right to either resubmit the Plans in accordance with same approval process as stated above, except that Tenant will not be obligated to make an additional \$5,000.00 payment for such resubmission, or terminate this Agreement."
- 5. **Additional Equipment.** Landlord consents to the installation and operation of additional equipment, and associated cables on Landlord's Property as described in Exhibit "C" and depicted in Exhibit "D" hereto. Exhibits "C" and "D," attached hereto, shall replace Exhibit "B" to the Lease in its entirety. Landlord's execution of this Amendment No. 2 will confirm Landlord's approval of Exhibits "C" and "D".
- 6. **Rent**. Section 4 of the Lease and Section 1 of the First Amendment are hereby amended and replaced entirely as follows:

"Tenant's monthly rent obligations for the Premises on Landlord's Property shall be Two Thousand Eight Hundred Dollars (\$2,800.00) per month ("Rent"), commencing on the first (1st) day of the month following the full execution of this Amendment No. 2 (the "Rent Increase Commencement Date"), and continuing on or before the fifth day of each month thereafter, in advance, during the Term of the Lease and any Renewal Term thereafter. Rent shall be payable to Trabuco Canyon Water District at Landlord's address set forth below or by electronic payment. Notwithstanding the foregoing, the Rent commencing on

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

the Rent Increase Commencement Date is due and owing within thirty (30) days following the Rent Increase Commencement Date."

7. **Annual Rent Adjustment**. The second sentence of Section 5 of the Lease is hereby amended and replaced as follows:

"Commencing on January 1, 2022, and on January 1 of each year during the remaining Renewal Terms, if any, the monthly Rent shall be increased annually by three percent (3%) over the Rent paid during the previous year."

- 8. **Additional Rent.** Within sixty (60) days of the Effective Date of this Second Amendment, Tenant shall pay Landlord a one-time payment of Twenty Thousand and No/100 Dollars (\$20,000.00).
- 9. **Improvements; Utilities; Access.** Portions of Section 7 of the Lease are amended as follows:

Section 7 (a) is hereby deleted in its entirety and replaced as follows:

"(a) Subject to Landlord's prior review and approval set forth in Section 1(d) above, Tenant shall have the right, at its sole cost and expense, to erect and maintain on the Premises improvements, personal property and facilities necessary to operate its communications system, including, without limitation, radio transmitting and receiving antennas, microwave dishes, equipment shelters and/or cabinets and related cables and utility lines and a location based system, including, without limitation, antenna(s), coaxial cable, base units, location based systems, and other associated equipment (collectively, the "Antenna Facilities"). The Antenna Facilities shall remain the exclusive property of Tenant and are not fixtures."

Section 7(b) is amended as follows:

"Notwithstanding the foregoing and except for Section 7(f) below, following the installation of the lock system set forth in Section 7(f) below, Tenant shall not install any locking mechanism of any kind on or about the Premises or any property of Landlord, including Landlord's own access system. In the event that Tenant installs any locking mechanism on Landlord's Property, the Premises, or access system, such installation shall be a material breach of this Lease subject to penalty and immediate termination of this Lease, at Landlord's sole and absolute discretion. Tenant shall pay to Landlord a penalty of Two Thousand Five Hundred and no/dollars (\$2,500.00) per occurrence. Tenant shall have no access to Landlord's Property, including the Premises, until payment of such penalty. Landlord shall provide Tenant with written notice of such breach and penalty and/or termination together with documentary evidence of such installation."

Section 7(f) is deleted in its entirety and replaced in full with the following:

"Landlord shall provide access to Tenant, Tenant's employees, agents, contractors and subcontractors to the Premises twenty-four (24) hours a day, seven (7) days a week. Access during normal business hours (i.e., 7:00 AM to 4:00 PM, Monday through Thursday, excluding holidays) shall be at no charge to Tenant. At any time, other than 7:00 AM to

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

4:00 PM, Monday through Thursday ("After-Hours"), access shall be for emergency purposes only. If Tenant requires access After-Hours for non-emergency purposes, Tenant shall reimburse Landlord any cost or expense reasonably associated with Tenant's After-Hours access and/or Tenant's supervised access to Landlord's Property ("Restricted Areas").

Landlord shall install a lock system to secure Landlord's Property. Tenant agrees to reimburse Landlord for the cost of such installation within thirty (30) days following receipt of an invoice together with reasonable supporting documentation evidencing such cost. To access the Landlord's Property, Tenant or any vendor, contractor, employee, agent or representative of Tenant must send a request by email to customerservice@tcwd.gov not less than 24 hours prior to Tenant's requested access, except in the case of emergency the following information: (i) entity name requesting access and entity's relationship to Tenant, (ii) anticipated time, date and duration for access, and (iii) a brief explanation of the scope of work; (iv) proof of insurance coverage for each and every person and/or entity; and, as applicable, (v) notification and accommodation for the use of heavy equipment such as cherry pickers or large vehicles commonly associated with construction activities, if any. Landlord will provide a key to the Tenant or its agents for access, which must be returned to the Landlord the same day. If Tenant or its agents do not return the key to the Landlord, then Tenant agrees to reimburse Landlord for the cost of rekeying the lock system or replacing the lock system. In case of emergency, Tenant shall call \_\_\_\_\_ for immediate access to the lock system and Premises."

Section 7(g) is hereby added by including the following:

"Tenant shall maintain the Premises (but not the Water Tank) and Tenant's Facilities in compliance with all applicable laws, including any applicable conditions of approval referenced above or as amended. At all times throughout the Term and Renewal Term, Tenant shall maintain, repair and secure its Antenna Facilities and all other personal property and improvements brought onto the Property in clean and safe condition. Tenant shall keep the Premises free of debris, graffiti, or nuisance condition. Tenant shall repair damage to the Premises or damage to Landlord's Property to the extent caused by Tenant within thirty (30) days following receipt of written notice from Landlord, to ensure the Premises are safe, secure and compliant with applicable laws, rules and regulations. Notwithstanding anything to the contrary herein, if Landlord determines in its sole discretion that hazardous conditions are created by the damage, Landlord may require, immediate action or a period of less than thirty (30) days in which repairs must be completed, at Tenant's sole cost and expense. If Landlord elects to complete repairs according to this Section 7, Tenant shall reimburse Landlord for Landlord's associated costs within thirty (30) days of receipt of an invoice detailing such costs. Nothing herein shall require Tenant however to restore or repair any damage to the Premises caused by Landlord, or Landlord's agents, invitees, tenants, or tenants' contractors, subcontractors and/or employees."

# 10. **Termination.** Section 8(g) is added by including the following:

"Tenant shall remove all Tenant's Facilities, including, but not limited to, the Antenna Facilities, at its sole cost and expense not later than ninety (90) days after the expiration,

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

cancellation, or termination of the Lease. Tenant shall be responsible for paying Rent until site areas are restored and Tenant shall repair or pay for any damage to Landlord's Property caused by such removal and restore Landlord's Property to the reasonable satisfaction of the Landlord and in a manner reasonably acceptable to the General Manager, or the General Manager's designee."

Section 8(h) is hereby added as follows:

"Notwithstanding anything else to the contrary in this Lease, Landlord may terminate this Lease in the event Tenant interferes with any activity of Landlord on Landlord's Property, including, but not limited, to installation of a lock or locking mechanism in any way interfering with Landlord's access to Landlord's Property, and such interference is not resolved within forty-eight (48) hours following phone or email notification of such interference to Tenant, with a written hard copy delivered to Tenant according to the notice provisions of this Lease..."

- 11. **Insurance and Subrogation and Indemnification**. Section 11(a) of the Lease is deleted in its entirety and replaced in full with the following:
  - "(a) **Minimum Insurance Requirements** The Tenant shall procure and maintain for the duration of the use of the facility, insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the use of the facilities and the activities of the Tenant, guests, agents, representatives, or employees. The Tenant shall provide and maintain the following commercial general liability, automobile liability, workers' compensation and property coverage:

**Coverage -** Coverage shall be at least as broad as the following:

- 1. **General Liability** Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including property damage, bodily injury and personal & advertising injury with limits of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If Commercial General Liability Insurance or other form with a general aggregate limit, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 25 03, or ISO CG 25 04, or insurer's equivalent endorsement provided to Landlord) or the general aggregate limit shall be twice the required occurrence limit.
- 2. **Workers' Compensation Insurance -** The Tenant shall provide workers' compensation coverage as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
- 3. **Property insurance** against all risks of loss to any Tenant improvements or betterments, at full replacement cost with no coinsurance penalty provision.

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

**Required Provisions -** The Commercial General Liability policy is to contain, or be endorsed to contain, the following provisions:

- 1. Additional Insured Status: Landlord, its directors, officers, employees, and authorized volunteers are to be included as additional insured (at least as broad as ISO Form CG 20 10 10 01 or CG 20 11) as respects: liability arising out of the use of the facilities, work or activities performed by or on behalf of the Tenant including materials, parts, or equipment furnished in connection with such work or operations, and automobiles owned, leased, hired or borrowed by the Tenant. The coverage shall contain no special limitations on the scope of protection afforded to Landlord, its directors, officers, employees, and authorized volunteers.
- 2. **Primary Coverage**: For any claims related to this facilities use, the Tenant's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the Landlord, its directors, officers, employees, and authorized volunteers, with respect to the acts or omissions of Tenant. Any insurance or self-insurance maintained by the Landlord, its directors, officers, employees, and authorized volunteers shall be excess of the Tenant's insurance and shall not contribute with it.

**Notice of Cancellation:** Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Landlord.

**Acceptability of Insurers -** Insurance is to be placed with insurers having a current A.M. Best rating of no less than A-:VII or as otherwise approved by Landlord.

The Tenant agrees and he/she will comply with such provisions before commencing the Lease. All of the insurance shall be provided on policy forms and through companies satisfactory to Landlord. Failure to continually satisfy the Insurance requirements is a material breach of contract.

**Verification of Coverage** - Tenant shall furnish the Landlord with certificates and amendatory endorsements effecting coverage required by the above provisions. All certificates and endorsements are to be received and approved by the Landlord *at least five days* before the Tenant use of facilities commences activities.

12. **Notices**. Section 12 of the Lease is hereby deleted in its entirety and replaced in full with the following:

"Notices. All notices, requests, demands and other communications shall be in writing and are deemed given after deposit in the U.S. mail, certified and postage paid, or via a nationally recognized overnight courier, and shall be effective upon actual receipt or refusal as shown on the shipping receipt to the addresses set forth below. Notices will be addressed to the parties as follows:

Landlord: Trabuco Canyon Water District

6 of 14

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

32003 Dove Canyon Drive Dove Canyon, CA 92679 Attn: General Manager Re: Cellular Leases

With a Copy to: ATS Communications

4195 Chino Hills Parkway, #605

Chino Hills, CA 91709

Tenant: T-Mobile USA, Inc.

12920 SE 38th Street Bellevue, WA 98006

Attn: Lease Compliance/Site #LA02963A

Either party hereto may change the address or persons for the giving of notice to it by thirty (30) days' prior written notice to the other as provided herein."

- 13. **Assignment and Subleasing**. Section 15 of the Lease is hereby deleted in its entirety and replaced with the following:
  - "(a) This Lease shall not be assigned by Tenant, except with the prior written consent of Landlord that may be withheld for any reason in the Landlord's sole discretion.
  - (b) Notwithstanding the foregoing, Tenant may, without Landlord's consent but upon at least sixty (60) days prior written notice to Landlord, from time to time assign this Lease in its entirety (i) to any entity which has, directly or indirectly, a fifty-one percent (51%) or greater interest in Tenant (a "Parent"), (ii) to any entity in which Tenant or a Parent has a fifty-one percent (51%) or greater interest, (iii) to any entity with a net worth of at least Twenty Million Dollars (\$20,000,000), or (iv) to any entity that acquires all or substantially all of the Tenant's assets in the market as defined by the Federal Communications Commission in which the Landlord's Property is located. Any such assignment shall not be effective unless and until the assignee executes and delivers to Landlord a written assumption of all Tenant's obligations under this Lease.
  - (c) Sub-leasing is strictly prohibited.
  - (d) Any attempted or unauthorized assignment or sub-lease shall be automatically void. The acceptance of Rent by Landlord from any person other than Tenant or an authorized assignee shall not be deemed to be a waiver by Landlord of any provision hereof. Consent to one assignment by Landlord shall not be deemed consent by Landlord to any subsequent assignment."
  - 14. **Collocation Incentive Payment.** Section 22 of the First Amendment to the Lease is hereby deleted in its entirety.

# 15. Miscellaneous:

Section 18(k) is hereby added as follows:

7 of 14

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

(k) Holdover. Tenant will have no right or privilege whatsoever to use or occupy the Premises in any manner or for any purpose after this Lease expires or terminates. If Tenant continues to use or occupy the Premises after this Lease expires or terminates, then this Lease will automatically convert to a month-to-month lease on the same terms and conditions (the "Holdover Term"), except that (1) the Rent will be automatically increased to one hundred ten percent (110%) of the Rent payable in the immediately previous year (the "Holdover Fee"), and will continue to increase in accordance with Section 7 of this Second Amendment (Annual Rent Adjustment); and (2) either the Landlord or Tenant may terminate such license on thirty (30) calendar days' written notice for any or no reason. Landlord's receipt of any Holdover Fees from Tenant will not be construed to constitute Landlord's consent to such holding over by Tenant or to limit, waive, or impair, in any way, Landlord's rights or remedies under this Lease, at law or equity. Tenant shall indemnify, defend and hold harmless all Indemnified Parties from and against any loss, liability, claim, damage, cause of action, injury, cost or expense (including, without limitation, attorneys' fees and costs) arising out of, in connection with, or relating to Tenant's holding over, except to the extent arising from Landlord's gross negligence or willful misconduct. The foregoing indemnity survives termination or expiration of this Lease.

- 16. Continued Effect. Except as expressly amended hereby, all terms and conditions set forth in the Lease remain unmodified and in full force and effect. Nothing herein shall relieve Tenant of its obligation to comply with any and all applicable laws, and any approvals required to be obtained from any governmental authority having jurisdiction. Unless specified otherwise, any capitalized terms used herein shall have the same meaning prescribed to them in the Lease.
- 17. **Signature Authority**. The persons who have executed this Amendment No. 2 represent and warrant that they are duly authorized to execute this Amendment No. 2 in their individual or representative capacity as indicated.

**IN WITNESS WHEREOF**, Landlord and Tenant have executed this Amendment No. 2 to the Site Lease Agreement as of the date first written above.

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

LANDLORD:	TENANT:
TRABUCO CANYON WATER DISTRICT,	
a public corporation	liability company
By:	By:
Name:	Name:
Title:	Title:
Approved as to Form:	
ΓCWD General Counsel	

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

# **EXHIBIT "A"**

# **LEGAL DESCRIPTION OF LANDLORD'S PROPERTY**

Landlord's Property of which Premises are a part is legally described as follows:

21194 Meander Lane, Trabuco Canyon, CA 92697 (Assessor's Parcel Number 125-110-022)



TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR



TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

# **EXHIBIT "C"**

# **DESCRIPTION OF FACILITIES TO BE INSTALLED**

Description of Premises & Tenant's Facilities Pursuant to Site Lease with Option dated December 29, 2005, as amended by that certain First Amendment to Site Lease with Option dated January 9, 2008:

- A. One (1) equipment enclosure measuring approximately 10'-0" x 25'-0" (~250 Sq. Ft.) located within a chain-link fence.
- B. Up to four (4) equipment cabinets mounted on a raised concrete equipment pad within equipment enclosures.
- C. Up to eight (8) ~6' tank-mounted panel antennas (4 per sector, 2 sectors) mounted behind FRP screening.
- D. Two tank-mounted FRP antenna screens measuring approximately 14'-9" x 6'-8" each,
- E. One (1) tank-mounted vertical cable tray.
- F. Two (2) tank-top horizontal cable trays.
- G. Up to one (1) 2' diameter tank-mounted microwave antenna, mounted behind FRP screening.
- H. Underground conduits, cables, cable trays, wires, utility equipment and access necessary for the operation of the communications facilities.

Additions and Alterations to Premises & Tenant's Facilities by this Amendment No. 2 to include the following:

- 1) Remove tank-top cable trays.
- 2) Remove existing vertical cable tray.
- 3) Re-route horizontal cable tray at base of tank, mounted using magnetic attachments.
- 4) Install two (2) new vertical cable trays beneath antenna sectors.
- 5) Install Up to four (4) tank-mounted remote radio units (RRUS) at antenna level.
- 6) Install up to two (2) surge suppressor units at the antenna level.
- 7) Add new fiber cables within existing conduits and cable routes and within three (3) new magnetic tank-mounted vertical cable trays.
- 8) Remove and replace all epoxy/welded tank-mounted equipment with magnetic attachments.

TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR

# EXHIBIT "D"

# REPRESENTATION OF FACILITIES TO BE INSTALLED ON PREMISES



TENANT SITE NUMBER: LA02963A

LANDLORD SITE NAME: TRABUCO RESERVOIR



# **ENGINEERING MATTERS**

# ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

- 1. Saddleback Meadows Development
- 2. Trabuco Creek Wells Facility
- 3. Orange County Rescue Mission Service Relocation
- 4. Other Projects

# **RECOMMENDED ACTION:**

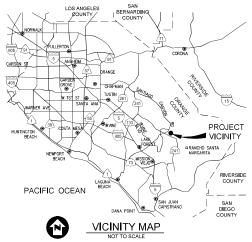
Committee to receive project status updates at time of the Committee Meeting.

# **EXHIBIT(S):**

1. OC Rescue Mission Service Connection Plans

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

# ORANGE COUNTY RESCUE MISSION NEW DOMESTIC, IRRIGATION AND FIRE WATER SERVICE CONNECTIONS









# **NOVEMBER 2021**

#### INDEX OF SHEETS

SHEET NO.	SHEET HILE
1	TITLE SHEET
2	GENERAL NOTES AND LEGER
3	WATER LINE BLOWUP
4	WATER LINE OVERVIEW
5	DETAILS
6	DETAILS



THE PPE AND SHALL BE BLUE IN COLOR WITH THE WORDS "CAUTION: WATER LINE BELOW" IMPRINTED IN MINIMUM 1-INCH HIGH LETTERS, BLACK IN COLOR. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT.

 NO FACILITY IS TO BE BACKFILLED UNTIL INSPECTED BY THE DISTRICT.
 SHUT DOWN OF EXISTING WATERLINES TO FACILITATE CONNECTION TO EXISTING FACILITIES SHALL BE COORDINATED WITH THE DISTRICT INSPECTOR, NO CONNECTIONS TO THE DISTRICT'S EXISTING WATER SYSTEM SHALL BE MADE UNTIL THE NEW FACILITIES HAVE BEEN SUCCESSFULLY TESTED AND DISINFECTED, CONTRACTOR TO PERFORM ALL Unit. The Noti Fachitis Have Beth Slocksshull "Step and poseprette, continenties to Persona No.

CHRISTIAN CHRISTIAN STEP AND STATE OF THE STATE OF

16. ALL BURED BOLTS, ANCHOR BOLTS AND NUTS SHALL BE TYPE 316 STAINLESS STEEL AND SHALL BE COATED

INSPECTOR SHALL BE NOTIFIED PRIOR TO INSTALLATION OF BACKFLOW DEVICE AT (949) 858-0277.

19. IRRIGATION SYSTEM MUST COMPLY WITH THE DISTRICT'S RULES AND REGULATIONS FOR NONDOMESTIC WATER

20. ALL WATER SYSTEM INFRASTRUCTURE SHALL BE SUITABLE FOR POTABLE WATER SYSTEMS AND SHALL MEET INSF

20. ALL MORE STSIEM PRESIDENCES SHALL BE SUITABLE FOR FOUREL WHILE STSIEMS AND SHALL MEET MS
60/65 ISTANDON DO CLUEFORM NO FLOE STRANDESS
21. MARTE MES, LATERAS, AND APPRITISHANCES SHALL BE INSTALLED WITH OPS LOCATION WITH 1' ACCIDANCY,
LECETORION FLE, NATIOUR FORMS, SHALL BE SHATTED TO THE OTSIENT PORRO TO PARMA THE STREETS.
22. TRACER WRITE COPPER TRACER WIRE SHALL BE INSTALLED AND SECURED TO THE TOP OF ALL PIC PIPE AS IT IS BEING LAID. TRACER WIRE SHALL BE STUBBED UP AT EACH VALVE (BROUGHT INTO VALVE BOX), TO EACH SERVICE (GROUNDED TO CORPORATION STOP), TO ALL APPURTENANCES AND TO ALL HYDRANTS (COLED AROUND BARREL JUST BELOW THE TOP FLANCE WITH 16 INCHES EXCESS). TRACER WIRE SHALL BE SECURED TO THE TOP OF THE PIPE, AT A MINIMUM OF 10—FOOT INTERVALS, WITH PLASTIC ADHESIVE TAPE. THE COPPER WIRE SHALL BE \$12 CO. WITH HIMPER INSULATION.

Ou WITH HAMPE POSIZATION.

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RIGHT—OF—WAY
RESILIENT WEDGE
CATE VALVE
SOUTH, SLOPE OR
GRADIENT OF PIPELINE
STORM DRAIN
SHEFT

STANDARD

STEEL
TRABUCO CANYON
WATER DISTRICT
TELEPHONE
TYPICAL

VITRIFIED CLAY PIPE VERTICAL WEST WATER LINE WATER METER

**ABBREVIATIONS** AGGREGATE BASE ASPHALT CONCRETE APPROXIMATE AIR VAC AMERICAN WATER WORKS ASSOCIATION PCC ASSOCIATION
BACKFLOW PREVENTER
BUTTERFLY VALVE
BLOWOFF ASSEMBLY
BEGIN VERTICAL CURVE
CLASS
CORRUGATED METAL PIPE PF & RD CORRUGATED METAL
CONTINUOUS
CENTER
CENTERLINE
DIAMETER
DUCTILE IRON PIPE
DETAIL
DRAWING R (RAD) RT RW R/W R/W RWGV DRAWING
EAST
EAST
EAST
END CURVE RETURN
END CURVE RETURN
END CURVE
EDGE OF PAVEMENT
END VERTICAL CURVE
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MM s SD SHT ST STA STD STL TCWD TEL TYP VCP VERT MANHOLE MINIMUM MECHANICAL JOINT NORTH

<u>LEGEND</u>

SYMBOLS EXISTING WATER METER I AVA EXISTING WATER VALVE ≥ WV EXISTING SURVEY MONUMENT EXISTING FIRE HYDRANT SMH EXISTING SEWER MANHOLE WV PROPOSED WATER VALVE X PROPOSED FIRE HYDRANT

LINE TYPES

--- PROPERTY LINE ----- CENTERLINE - - - EXIST, WATER LINE \_\_\_\_\_\_ EXIST, COMMUNICATION LINE — — E — EXIST, ELECTRIC LINE \_\_\_\_ S \_\_\_\_ EXIST. SEWER LINE EXIST. ELECTRIC LINE

- - EXIST. RECYCLED WATER LINE 21505 House address number

#### ADDITIONAL NOTES:

ALL BENDS 11 1/4" OR GREATER, TEES AND CROSSES SHALL BE EPOXY LINED DUCTILE IRON (CLASS 350) WITH PUSH-ON JOINTS AND THRUST BLOCK PER TCWD STANDARD DWG, NO. W12 UNLESS OTHERWISE NOTED N PLANS.

DO NOT EXCEED 80% OF MANUFACTURER'S RECOMMENDED DEFLECTION REQUIREMENTS FOR PIPE INSTALLATION.

#### BASIS OF BEARING:

THE BASIS OF BEARING IS NO8'27'04"W, BETWEEN DMC CONTROL POINTS 7 AND 9 LOCATED BY GPS ON 4/13/2018 (JN: 728-38).

#### BENCH MARK:

ORANGE COUNTY DESIGNATION 3D-162-04

ELEV. = 1193.289 FT. (NAVD88) LEVELED IN 2017

#### SITE UTILITIES:

SOUTHERN CALIFORNIA EDISON SOUTHERN CALIFORNIA GAS CO. COX CABLE SERVICES AT&T ELECTRICITY GAS

SITE KEY NOTES:

- NEW PRIVATE WATERLINE TO BE CONSTRUCTED BY OTHERS 2" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY, 2" AND SMALLER PER TOWD STD. DWG. W-7, TO BE INSTALLED BY OTHERS

EXISTING 8" AC WATERLINE TO BE ABANDONED IN PLACE

1 1/2" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY, 1 1/2" AND SMALLER PER TCWD STD. DWG. W-7, TO BE INSTALLED BY OTHERS

#### SITE CONSTRUCTION NOTES:

CONSTRUCT CUT-IN TEE FOR ACP PER TOWN STD. DWG. W-19c. VALVE TO BE CONSTRUCTED ON 8" LINE ONLY
 CONSTRUCT THRUST BLOCK PER TOWN STD. DWG. W-16

- CONSTRUCT 8" PVC, C900 DR14, WATERLINE AND CONSTRUCT WATER TRENCH PER TCWD STD. DWG. W-17

CONNECT TO EXSTING 8" AC VALVE USING D.L. FLANGED COUPLING ADAPTER WITH 316
 STAINLESS STEEL NUTS, BOLTS AND WASHERS.
 CONSTRUCT 8" DOUBLE CHECK BACKFLOW ASSEMBLY PER TOMO STD. DWG. W-6

6 CONSTRUCT 8" DOUBLE CHECK BACKFLOW ASSEMBLY PER
CONSTRUCT WATER TRENCH PER TOWN STD. DWG. W-17
CONSTRUCT 2" CORPERS SEDIMON WITH STD.

CONSTRUCT SERVER THEN UNIS SIZE UNIS, MILT YEAR TO STD. DWG, W-20 (RINGBARD) METER PER TOND STD. DWG, W-20 (RINGBARD) METER TO BE SUPPLIED BY TOM CONSTRUCT SOOPER SERVICE WITH 2 MICH METER PER TOND STD. DWG, W-20, (DOMESTIC) SETSER TO BE SUPPLIED BY TOND CONSTRUCT SERVICE CONNECTION OF TOWN STD. DWG, W-3a (CONSTRUCT SERVICE CONNECTION SET TOWN STD. DWG, W-3a

ONSTRUCT 2" SERVICE COMMENT

TO RE-PAVE SURFACE WITH 8" AC

- CUT AND CAP EXISTING WATERLINE WITH AN MJ CAP

12 — ABANDON EXISTING SERVICE BY REMOVING WATER METER AND DELIVER TO TOWN AND CAP EXISTING CORP-STOP AT THE MAIN AND BACKFILL AS REQUIRED.

- REMOVE EXISTING WATER VALVE

VIEWED D.J.M.

DMc Engineering ■ SURVEYING ■ PLANNING ■ CONSTRUCTION 18 Technology Drive, Suite 100, Irvine, CA 92618 E-Mail: dmc@dmceng.com (949) 753-9393

APPROVED TRABUCO CANYON WATER DISTRICT

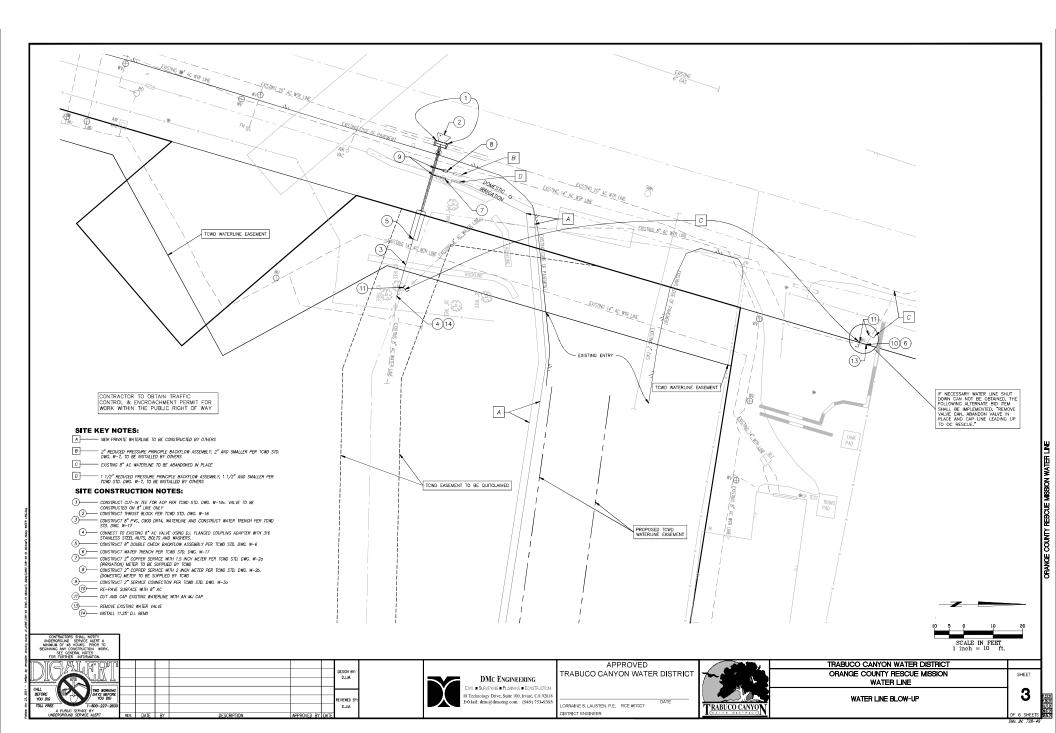
ORRAINE S. LAUSTEN, P.E. RCE #67027



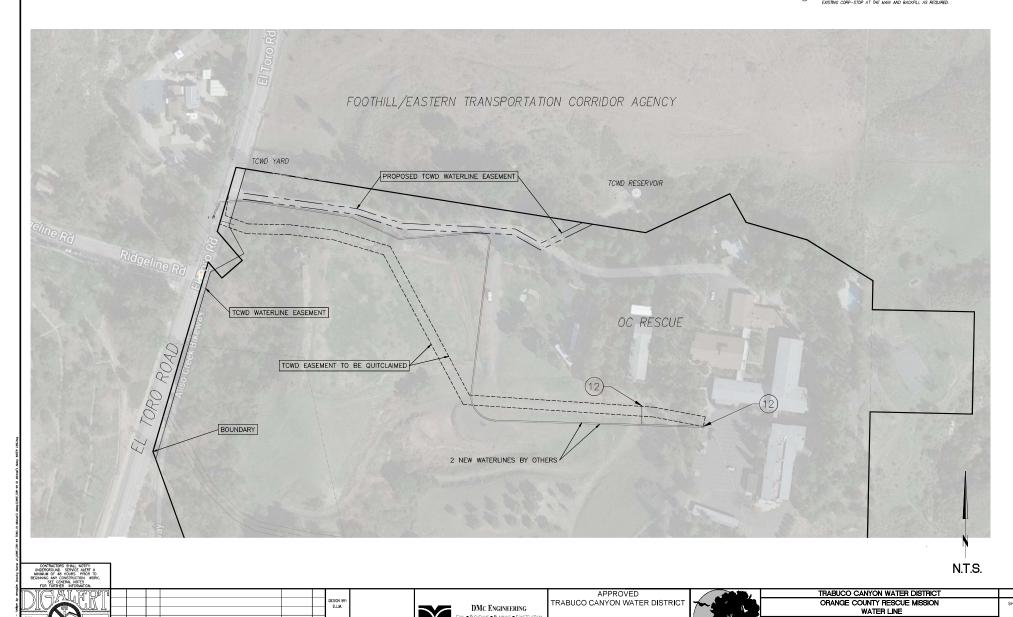
TRABUCO CANYON WATER DISTRICT ORANGE COUNTY RESCUE MISSION

WATER LINE GENERAL NOTES, LEGEND, ABBREVIATIONS, NOTES, BENCH MARK

BASIS OF BEARINGS



WATER LINE OVERVIEW



CIVIL # SURVEYING # PLANNING # CONSTRUCTION 18 Technology Drive, Suite 100, Irvine, CA 92618 E-Mail: dmc@dmceng.com (949) 753-9393

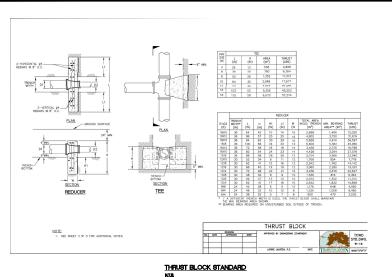
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TRABUCO CANYO

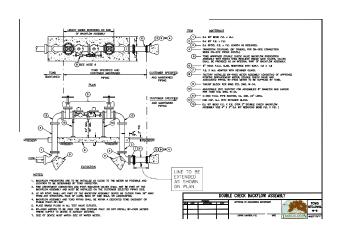
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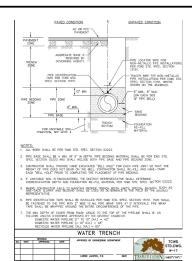




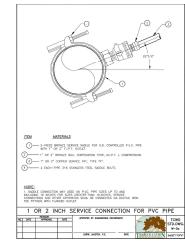


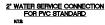


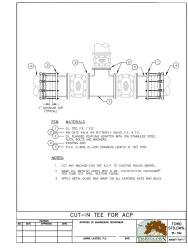




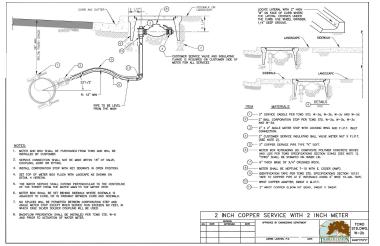








CUT-IN TEE FOR ACP STANDARD



2" METER STANDARD NTA

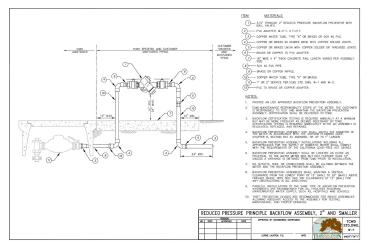
UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK, SE GENERAL NOTES FOR FURTHER INFORMATION.								
DIGALERI							DESIGN BY: D.L.M.	
CALL BEFORE YOU DIG  TOLL FREE  A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	REV.	DATE	BY	DESCRIPTION	APPROVED BY		REVIEWED BY: D.J.N.	
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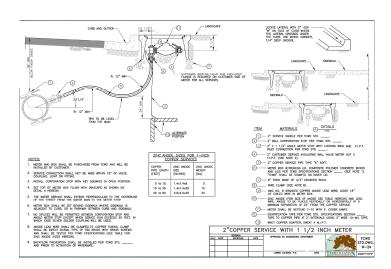
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LORRAINE S. LAUSTEN, P.E.	RCE #67027	DATE



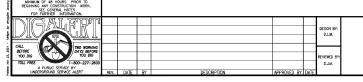
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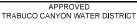




11/2" METER STANDARD NTR







LORRAINE S. LAUSTEN, P.E. RCE #67027 DISTRICT ENGINEER

- E
TRABUCO CANYON

	TRABUCO CANYON WATER DISTRICT	
	ORANGE COUNTY RESCUE MISSION	SHEET
	WATER LINE	
	DETAILS	6
RABUCO CANYON	DETREE	
waтек вівтиіст)] <b>(</b>		OF 6 SHEET
		DMc .N: 728-4

# **OPERATIONAL MATTERS**

## **ITEM 4: WATER SYSTEM UPDATES**

The following is a brief report of the water system for **November 2021**.

# **Projects and Repairs**

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

- 1. Worked with the Meter Department to change out a one-inch curb stop on Somerset in the Dove Canyon Community.
- 2. Worked with Contracted Plumbers to install the Back Flows and change out a two-inch curb stop within Trabuco Market Place.
- 3. Changed out all pump packing at the Robinson Ranch Pump Station.
- 4. Worked on the redesigned discharge piping on pump #1 and remounted the Cla Val in a horizontal position at the Falcon Booster Pump Station.
- 5. Worked with the Maintenance Department to pull Booster Pump #1 at Dimension Water Treatment Plant.

# **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**

Monthly Water System Operations Summary

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

# TRABUCO CANYON WATER DISTRICT MONTHLY WATER SYSTEM OPERATIONS SUMMARY

2021													
DIMENSION WTP										l			
	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEP	ОСТ	NOV	DEC	TOTAL
SAC METER AC/FT	160	125	75	176	214	136	0	0	122			_	
BACKWASH AC/FT	4	4	2.0	6	5	3	0	0	3	5			
FLUSHWATER AC/FT	7	6	3.0	9	9	4	0	0	5	9			
WTP EFFLUENT AC/FT	175	124	83	176	213	132	0	0	131	228			
Wells		L			·						<u> </u>		
TRABUCO CREEK GWTF	0	0	0	0	0	0	0	0	0	0			
US WELL AC/FT	0	0	0	0	0	0	0	0	0	0			
AMP WATER													
SMWD AC/FT	0.12	2	8	0	0	51	122	146	55	0			
IRWD AC/FT	0	12.4	53.4	10	0	51	137	131	59	0			
TOTAL SUPPLY													
AC/FT	175	138	145	186	213	234	259	277	245	228			
CFS DAILY AVERAGE	2.8	2.5	2.3	3.1	3.4	3.9	4.2	4.6	4.1	3.7			
AC/FT PER DAY	5.6	5.0	4.6	6.2	6.9	7.8	8.4	9.2	8.1	7.4			
OPERATIONS in GAL.													
WTP DOMESTIC	32,239	27,377	29,845	35,380	41,215	23,936	0	374	27,277	49,817			
WWTP DOM	17,354	18,176	8,751	7,629	10,322	7,232	7,884	10,913	5,385	3,283			
OPERATIONS (AF)													
SUPPLEMENT TO RW	0	0	0	0	0	0	0	0	6	21			
LOSSES in GAL.													
FLUSHING (gal.)	0	0	0	0	0	0	0	30,000	25,000	0			
SEWER CLEANING (gal.)	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000			
LINE BREAKS (gal.)	100,000	24,000	200,000	50,000	0	0	0	75,000	100,000	100,000			
SYSTEM DEMAND **													
CFS DAILY AVERAGE	2.8	2.5	2.3	3.0	3.4	3.9	4.1	4.6	4.1	3.7			
AC/FT PER DAY	5.6	5.0	4.6	6.2	6.9	7.8	8.4	9.2	8.1	7.3			
RESERVOIR STORAGE													
MONTHLY AVG (MG)	9.0	8.8	8.4	8.1	8.0	8.6	8.7	8.9	8.8	8.6			
DAYS OF STORAGE	4	3	3	3	3	3	3	4	4	3			
ZONES (AF)													
RIDGELINE PS	127	107	73	127	199	124	0	0	131	212			
EL TORO P.S.	18	20	53	10	0	51	137	131	59	0			
TOPANGA	2	2	2	3	4	4	4	4	3	3			
FALCON	0.3	0.2	2.4	0.7	0.7	0.7	1.2	1.1	1.1	0.6			
ROSE PRV/ OAKS	1	1	1	Inop.	Inop.	Inop.	1	5	4	3			
CANYON CREEK	0.1	0.2	0.2	0.3	0.4	0.3	0.5	0.4	0.5	0.4			
ROSE P.S.	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.3	0.3			
ROBINSON RANCH	31	31	34	53	63	72	68	60	75	71			
DOVE CANYON	61	54	62	75	84	86	95	96	83	84			
PORTOLA HILLS	11	10	10	11	12	13	15	14	15	13			
* Usage estimated new me	ter installed				** Excludes (	Operational u	se, losses, an	d supplement	to Recycled \	Water Reserv	oir (RW)		

# **OPERATIONAL MATTERS**

#### **ITEM 5: WASTEWATER SYSTEM UPDATES**

The following is a brief report of the wastewater system for **November 2021.** 

# **Projects and Repairs**

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

- Assisted the Maintenance Department on the installation and telemetry of a level transducer/float at Tick Creek Dry Season Recovery.
- 2. Installed and calibrated telemetry for a Smart Cover Level Indicator at the Santiago Lift Station Wet Well, located outside of Falcon Estates.
- 3. Performed a thorough cleaning of the headworks climber screen at the Robinson Ranch Wastewater Treatment Facility.
- 4. Cleaned the Barneburg Lift Station Wet Well, located in the Dove Canyon Community.

# <u>Sewer System Management Plan (SSMP) Report</u>

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:

Sewer System Management Plan (SSMP) Monthly Upo	date
Total Sewer Line, Feet*	210,495
Total Sewer Line Cleaned (Ft) – Month	17,247
Total Sewer Line Cleaned (Ft) – Cleaning Cycle	88,771
Cleaning Cycle Period (Mos.) [Start date: 8/9/21]	2
Total Sewer Line Cleaned, %	42%
The Oaks at Trabuco – Pumping Frequency for the Month	13
O'Neill Park Sewer System Status	Ok
O'Neill Park Sewer System Repairs	None
SSMP Quarterly Report – Next Quarterly Report	4Q 2021
SSMP Program Audit – Next Audit Report**	January 2022

<sup>\*</sup>This amount includes the OC Parks-owned O'Neill Park sewer system the District is contracted to clean.

# **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): PALUDI/PEREA/ULLOA

<sup>\*\*</sup>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:

# TRABUCO CANYON WATER DISTRICT | NON-DOMESTIC WATER SYSTEM SUMMARY - 2021

RECYCLED WATER SUPPLY							RESPONDED.								
	MAX	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEP	ОСТ	NOV	DEC	TOTAL	FIVE YEAR AVG
WWTP Reclaimed Water Production, AF	78.3	50.6	43.9	52.8	42.8	46.2	44.1	47.0	47.0	45.0	46.0			465.5	550.04
Reclaimed Reservoir Level, FT	1274.5	1,266.0	1,268.5	1,270.8	1,268.9	1,268.2	1,264.0	1,255.2	1,257.5	1,248.0	1,257.5			-	-
Reclaimed Reservoir Free Board, FT	25.5	8.5	6.0	3.7	5.6	6.3	10.5	19.3	17.0	26.5	17.0			-	-
Reclaimed Reservoir Storage, AF	145.5	96.4	112.5	125.2	115.4	110.4	87.5	51.6	59.5	30.4	59.5		1	-	-
Supplemental Domestic Water Added, AF	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	22.3			26.1	72.88
RECYCLED WATER SYSTEM DEMAND			The state of the		TOTAL TO	PATE NAME OF THE PATE N		WE THE				New York		2000	
NON DOMESTIC WATER USER	ALLOC. AF	8%	17%	25%	33%	42%	50%	58%	67%	75%	83%	92%	100%		
NON DOMESTIC WATER USER	ALLUC. AF	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	TOTAL	ALLOC. %
Dahlia Court	8.2	0.2	0.2	0.2	0.3	0.3	0.3	0.1	0.1	0.0	0.1			1.9	23%
Dove Canyon Golf Course	106.7	6.6	7.1	10.6	25.6	37.2	42.2	55.2	46.4	37.2	20.3			288.4	270%
Dove Canyon Master Association	279.3	5.5	5.7	7.1	16.1	22.3	30.4	31.1	30.6	26.2	10.7			185.7	66%
Robinson Ranch	80.2	0.9	1.3	1.3	2.4	4.1	4.9	4.7	4.1	3.8	1.7			29.2	36%
Trabuco Highlands	159.7	3.7	3.0	2.1	6.6	8.8	10.0	11.8	9.7	21.0	3.5			80.2	50%
City of RSM	0.1	0.00	0.00	0.00	0.30	0.01	0.01	0.02	0.1	0.02	0.0			0.51	395%
Construction Water	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	N/A
Sakaida Nursery	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0%
SMWD	N/A	0.0	0.0	0.0	6.6	2.8	2.2	1.0	3.9	2.3	0.0			18.8	N/A
TY Nursery	17.9	0.0	5.8	4.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0			16.1	90%
TOTAL, AF	653.2	16.8	23.1	25.3	64.1	75.6	90.0	104.0	95.0	90.5	36.4		Ì	620.7	95%
PERCENTAGE OF NDW ALLOCATION/YEAR	2	3%	6%	10%	20%	31%	45%	61%	76%	89%	95%				
TOTAL ANNUAL AVG. NDW AVAILABLE**	774.36														
URBAN RUNOFF CAPTURE AND REUSE				7 7	HERE	7. 116	TO THE REAL	TO STATE	425	E-William	ACCES ON				
DISTRICT FACILITY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	TOTAL	FIVE YEAR AVG
Shadow Rock Detention Basin Production		0.04	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.02			0.18	21.22
Dove   Tick Creek Production*	Dry Season	0.0	0.0	0.0	7.0	6.8	5.3	4.5	2.1	3.3	3.6			32.6	102.7
	TCWD Portion	0.0	0.0	0.0	3.5	3.4	2.7	2.2	1.0	1.7	1.8		1	16.3	-
	SMWD Portion	0.0	0.0	0.0	3.5	3.4	2.7	2.2	1,0	1.7	1.8	-		16.3	-
Dove Lake Water Pumped		0.0	0.0	0.0	11.3	28.5	20.0	24.0	63.5	1.6	0.0			148.9	201.7
Dove Lake Free Board, Ft		5.6	5.3	3.2	4.1	5.9	7.2	9.0	14.3	14.3	13.7				
Dove Lake Storage		128.0	131.5	166.4	158.1	117.2	107.0	79.0	28.0	28.0	30.0			-	-
Total Rainfall, In.		1.7	0.0	1.2	0.0	0.0	0.0	0.0	0.1	0.0	1.0			4.0	14.5
+ CMMD above of David (Tiels David Obstica D			1			0.0	0.0	0.0	U.,		1.0	L		1 7.0	1 17.0

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

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

# **OPERATIONAL MATTERS**

# ITEM 6: MAINTENANCE DEPARTMENT UPDATES

The following is a brief report of the wastewater system for **November 2021.** 

# **Projects and Repairs**

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

- 1. Cut the access panel on the headworks at the Robinson Ranch Wastewater Treatment Plant for easier cleaning and maintenance.
- 2. Replaced the batteries on the slide rail.
- 3. Assisted Wastewater Operations with replacing the level transducer at Tick Creek Dry Season Recovery.
- 4. Attended vertical turbine training at Evans-Hydro in Rancho Dominguez.
- 5. Replaced a leaking hydraulic ram on the John Deere skip-loader.
- 6. Repaired the carburetor on the boat, located at the Robinson Ranch Wastewater Treatment Plant.
- 7. Repaired the front access gate at the Dimension Water Treatment Plant.

# **RECOMMENDED ACTION:**

Committee to receive system status updates. No action required.

# **EXHIBITS**

None

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

# REGULATORY AND OTHER MATTERS ITEM 7: OTHER MATTERS/REPORTS

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**