

**AGENDA FOR A MEETING OF THE
ENGINEERING/EQUIPMENT COMMITTEE
OF THE VALLECITOS WATER DISTRICT
MONDAY, APRIL 19, 2021 AT 3:00 P.M.
VIA TELECONFERENCE**

Due to the evolving situation with the COVID-19 Novel Coronavirus, so long as state or local public health officials have imposed or recommended social distancing measures Vallecitos Water District will hold future meetings via teleconferencing and allow members of the public to observe and address the meeting telephonically or otherwise electronically. During this period of time, Vallecitos Water District will not be making any physical location available for members of the public to observe the meeting and offer public comment. The public is encouraged to watch and participate in the meeting from the safety of their homes. The meeting can be viewed on the agenda page located on the main page of the District's website. Public comments or questions can be submitted to the following email address: PublicComment@vwd.org. All written comments that are received at least 90 minutes before the meeting will be provided to the Committee members, and a record of the receipt of comment will be noted during the meeting. Members of the public viewing the meeting via the Zoom videoconferencing platform can express their desire to provide input at the appropriate time by utilizing the "Raise Hand" function. Additional instructions for online participation will be posted on the District's website. www.vwd.org/meetings

CALL TO ORDER - DIRECTOR ELITHARP

ITEM(S) FOR DISCUSSION

1. SAN ELIJO HILLS AND LAND OUTFALL CONDITION ASSESSMENT UPDATE
2. MRF PROJECTS OVERVIEW
3. CONSULTANT PM AWARD FOR MRF WORKLOAD
4. VWD/VID ANNEXATION AREA DISCUSSION
5. LADY BUG LANE PLACE EXTENTION AND OFFSITE AGREEMENT DISCUSSION
6. OLIVE STREET OFFSITE DISCUSSION
7. CIP QUARTERLY UPDATE

OTHER BUSINESS

PUBLIC COMMENT

Persons wishing to address a matter not on the Agenda may be heard at this time; however, no action will be taken until the matter is placed on a future agenda in accordance with Board policy. Public comments are limited to three minutes. A Request to Speak form is required to be submitted to the Executive Secretary prior to the start of the meeting, if possible. Public comment should start by stating name, address, and topic. The Board is not permitted during this time to enter into a dialogue with the speaker.

If you have any disability which would require accommodation in order to enable you to participate in this meeting, please call the Executive Secretary at 760.744.0460 ext. 264 at least 48 hours prior to the meeting.

AFFIDAVIT OF POSTING

I, Diane Posvar, Executive Secretary of the Vallecitos Water District, hereby certify that I caused the posting of this Agenda in the outside display case at the District office, 201 Vallecitos de Oro, San Marcos, California by 3:00 p.m., Friday, April 16, 2021.

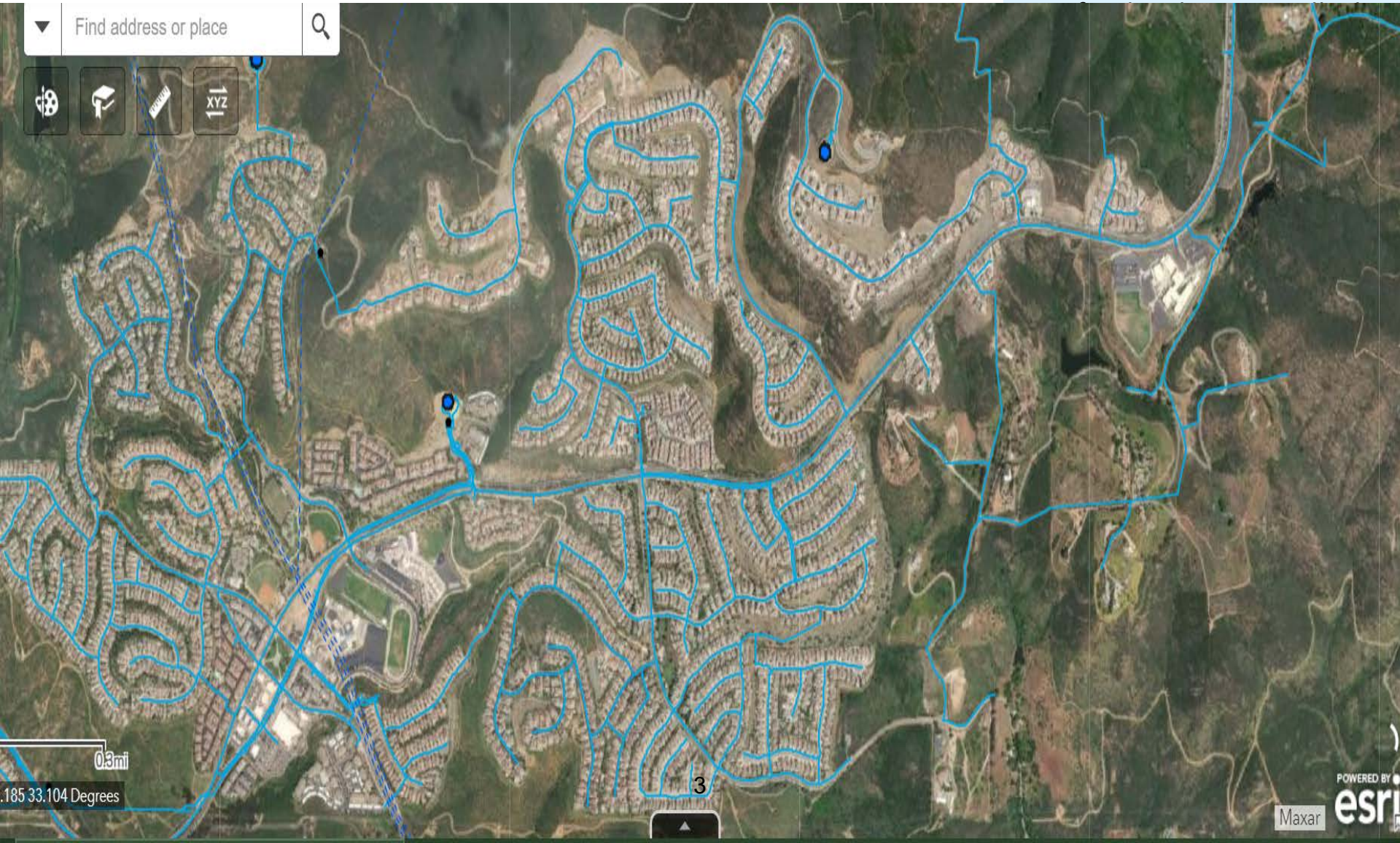
Diane Posvar

Diane Posvar

Pipeline Condition Assessment

Scheduled for May 2021

Four weeks total duration



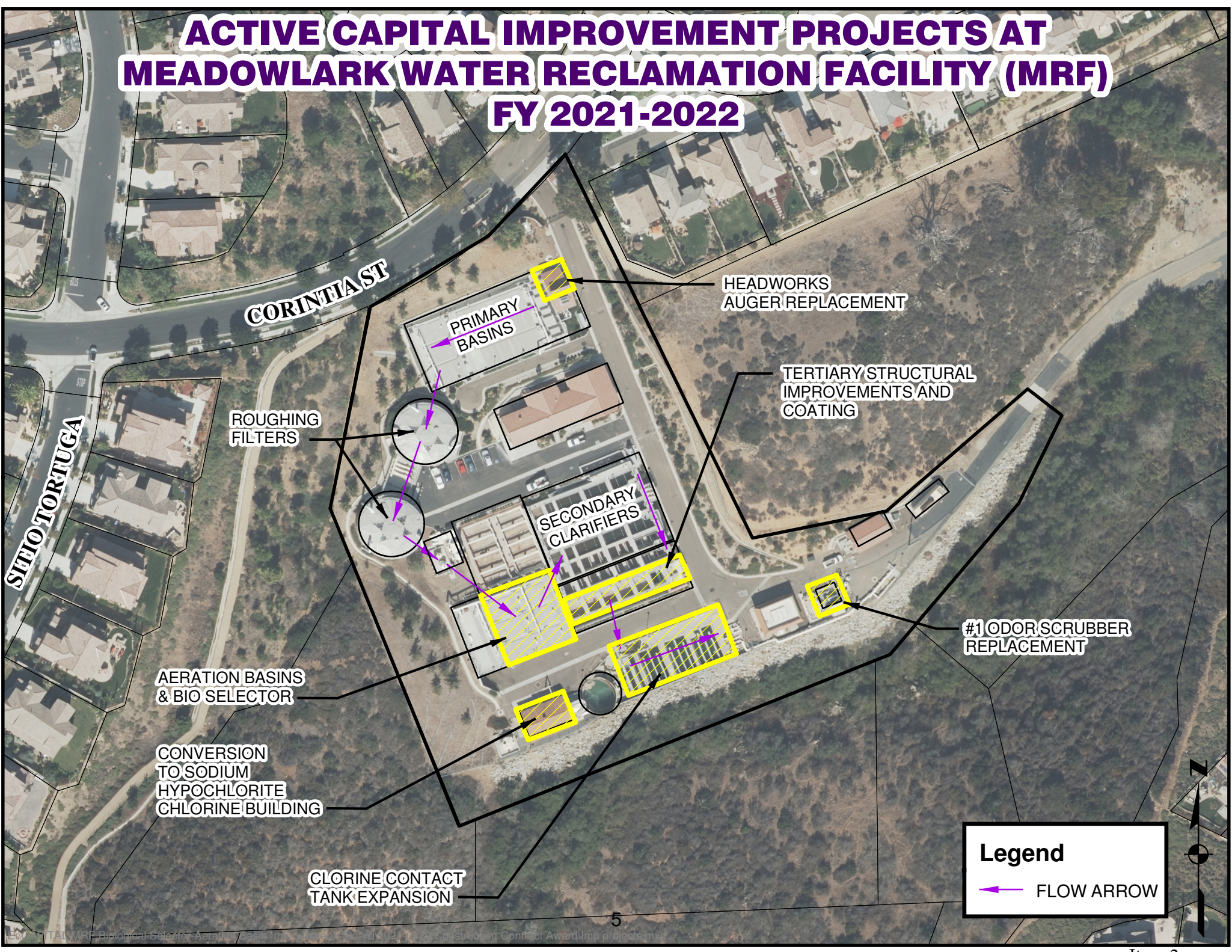
Land Outfall West Condition Assessment



Scheduled for May 2021
Two weeks total duration



ACTIVE CAPITAL IMPROVEMENT PROJECTS AT MEADOWLARK WATER RECLAMATION FACILITY (MRF) FY 2021-2022



Legend
← FLOW ARROW

DATE: APRIL 19, 2021
TO: ENGINEERING COMMITTEE
SUBJECT: AWARD FOR MEADOWLARK WATER RECLAMATION FACILITY (MRF) STAFF EXTENSION AS NEEDED TASK ORDER FOR FISCAL YEAR 20/21-21/22.

BACKGROUND:

The Meadowlark Water Reclamation Facility (MRF) was originally built in 1958 as a State wastewater training facility. MRF has undergone two notable upgrade projects in 1982 and 2005.

In 1982, the District added rotating biological contactors, expanded the sedimentation tanks, filters, and chlorine contact tank. These additions allowed the District to produce recycled water for the City of Carlsbad. MRF production capacity was increased to 2.25 MGD.

In 2005 upgrades, the District added new sedimentation tanks, roughing filters, odor scrubbers, aeration basins, secondary clarifiers, and tertiary filters. The upgrades allowed the District to increase wastewater treatment and recycled water production to 5 MGD. The recycled water is produced for sale to the City of Carlsbad and Olivenhain Municipal Water District.

Today, Meadowlark Water Reclamation Facility (MRF) wastewater treatment plant continues to produce secondary effluent, that can be legally discharged through an ocean outfall, or go through tertiary treatment producing recycled water, used for landscape irrigation regionally. The treatment process includes three (3) separate and distinct stages, primary, secondary, and tertiary treatment.

DISCUSSION:

Engineering is currently managing six budgeted projects in three different phases from planning, design, and construction at MRF. The Chlorine gas to Sodium Hypochlorite Conversion and Chlorine Contact Tank Expansion are currently in the planning phase. Tertiary Structural Improvements is in design scheduled to begin construction in the winter. The Headworks Auger, Aeration Basins, and #1 Odor Scrubber replacement projects were all different assets at the end of their useful lifecycle's and in need of replacement, these projects will be in construction this summer.

To assist with the active projects at MRF, District staff solicited interest and availability for Staff Extension Services from Consultants on the Engineering As-Needed List. Black & Veatch was selected from the solicitation due to the treatment plant experience and availability of a project manager. Staff Extension will assist with preparation of request of proposals, assist with planning, design and preparation of bid documents (plans and specs), and conduct construction management.

FISCAL IMPACT:

Funding for the MRF Staff Extension Services will be funded in the current fiscal year directly through the individually budgeted capital Improvement projects (CIP) at MRF. These CIPs have multiyear timeline and budgets. Each fiscal year will allocate funds accordingly within the CIP for Staff Extension Services. Only the first phase which extends from May 2021 through FY 21/22 is proposed for authorization. Each subsequent FY shall be evaluated and brought back to the Board individually for authorization. The total estimated project cost and budget summary are as follows:

<u>May through June 2021 and FY 2021/2022</u>	<u>\$149,567</u>
Current recommended Budget Total	\$149,567
*Optional FY 2023/2024	\$149,567
<u>*Optional FY 2024/2025</u>	<u>\$149,567</u>
Optional FY Budget Totals	\$299,134

*Optional Fiscal Years 2023/2024 and 2024/2025 will each require Board approval.

RECOMMENDATION:

Staff requests Committee support to the Board for the Staff Extension Service as follows:

1. Authorize the General Manager to execute a Task Order on the As-Needed Agreement with Black & Veatch in the amount of \$149,567, subject to the provisions of the contract.

ATTACHMENTS:

Gantt Chart

DATE: APRIL 19, 2021
TO: BOARD OF DIRECTORS – ENGINEERING COMMITTEE
SUBJECT: PROPOSED RE-ORGANIZATION OF PROPERTIES IN THE CALLE MARIA AREA

BACKGROUND:

APN 's 224-180-22, 28, 35, 36 & 37 are currently outside of the Vallecitos Water District (VWD) boundary and within the Vista Irrigation District (VID) and several of the parcels currently receive water service from VID by connections to the VID flume.

DISCUSSION:

VID requested to remove connections to the flume and is proposing to annex the properties into the Vallecitos Water District and detach them from VID to accomplish this. The proposal is to connect parcels (APN 224-180-22, 28, 35 & 37) to new meters be connected to new VWD meters off the existing VWD water main in Calle Maria. This would also provide better water pressure and more consistent service to the customers.

Since these meter locations would not be directly along the frontage of each parcel, they would be subject to a "Temporary Off-Site Water Service Agreement". VID would construct private service lines to each lot through an existing access/utility easement.

VID would pay the annexation costs of \$31,989.92 and VWD's Water Capital Facility Fees of \$43,643.00 (for three ¾" meters and one 1" meter). SDCWA Capacity Fees have already been paid and will stay with these properties.

VID will take the lead in initiating the annexation process with each customer.

One parcel (APN 224-180-36) is undeveloped and does not currently have water service with VID. Future development of this lot is anticipated to be a minor 3-lot subdivision. Annexation and service connections will be addressed directly with VWD when the lot develops.

FISCAL IMPACT:

Payment of \$31,982.92 (\$4,952.00/acre x 6.46 acres) in water annexation fees will be collected in accordance with Ordinance No. 200.

Payment of \$43,643.00 in VWD Water Capital Facility Fees.

Cost of providing water service is offset by water revenue.

All other fees will cover actual costs and have no fiscal impact.

RECOMMENDATION:

Staff requests Committee support to the Board for VID's request to annex APN 224-180-22, 28, 35 & 37 into VWD's water District boundary and execution of Temporary Off-Site Water Service Agreements.

PROPOSED RE-ORGANIZATION OF PROPERTIES IN CALLE MARIA AREA

LEGEND:

 VID SERVICE AREA

PROPOSED PROPERTIES
TO BE ANNEXED

224-180-22

224-180-28

224-180-35

224-180-36

224-180-37

PROPOSED METER LOCATION

EXIST. ACCESS/UTILITY EASEMENT

LADY BUG LANE

PROPOSED WATER LINE EXTENSION

EXISTING CLARK WATER LINE EXTENSION 1979

SERVICE TO BE ABANDONED

Property proposes new 3000 square foot residence with ADU (converted from existing 750 square feet residence)

T - 11/1/1990
1821702000

LADY BUG LANE

Reason for main line extension is construction of new home voids temporary agreement

SERVICE TO BE ABANDONED

Property connected through Clark water line extension as-built no. 1336-01 6/15/1979

T - 8/21/1990
WATER ONLY
1821702100

1821702200

1821702500

Existing temporary offsite needs to be canceled & meter relocated to new main.

TWIN OAKS VALLEY RD



DATE: APRIL 19, 2021
TO: BOARD OF DIRECTORS – ENGINEERING COMMITTEE
SUBJECT: OLIVE STREET PROPOSED WATER MAIN EXTENSION AND EXISTING OFF-SITE SERVICES

BACKGROUND:

APN 's 182-101-43 & 44 (Papp-Lundblade Annexation) located near Olive Street and Sycamore Drive were approved for annexation into VWD for water and sewer at the August 19, 2020 Board meeting. The owners have not yet submitted plans for their water and sewer connections. They will be required to construct a new water main along the private road fronting their properties.

DISCUSSION:

There are two existing off-site water service connections to APNs 182-101-29 & 30. These properties have frontage along the proposed water main. These existing services should be relocated to the new main per District policy.

APN 182-101-30 is currently within Vista Irrigation District's service area and served by VWD via an exchange agreement with VID. This agreement does not require that either VID or the customer pay to have the service relocated.

APN 182-101-29 should be subject to a Temporary Off-Site Water Service Agreement which normally requires the customer to pay the costs to relocate the service, but no agreement exists. It appears that APNs 182-101-22 and 29 are owned by the same person. APN 182-101-22 had an existing VWD water service in 1999 when the owner had an additional meter installed to serve their nursery. It is unclear if the lot was split at that time and VWD was not aware of the change. The nursery consists of multiple greenhouses which straddle both parcels.

Based on the existing situation, there are three options moving forward.

Option 1: Allow the installation of the Papp-Lundblade water main without relocating the existing off-site meters.

Option 2: Require the property owners of APN 182-101-29 & 30 to relocate their off-site meters to the new main at their expense to follow District policy. However, the agreements do not fully support this option and enforcement may be challenged by the property owners.

Option 3: Since it may be desirable to achieve compliance with District policy, require the Papp-Lundblade owners to relocate the off-site meters to the new main as part of their construction with District reimbursement to the Papp-Lundblade owners for this additional work.

FISCAL IMPACT:

Costs dependent on option chosen.

RECOMMENDATION:

Presented for discussion with committee regarding options.

OLIVE STREET WATER MAIN EXTENSION AND EXISTING OFF-SITE SERVICES

LEGEND:

 VID SERVICE AREA

