

**MEMORANDUM**

April 23, 2025

**TO:** Reclamation District No. 2026

**FROM:** Nathan Hershey

**SUBJECT:** April 2025 Engineer's Report

Described below are the engineering items to be discussed at your April 23, 2025 meeting.

**Subventions 2023-24** – The District submitted an application for participation in the Program in the amount of \$665,000. A total of \$14 million has been approved by the Central Valley Flood Protection Board for the Program for FY 2023-24. A final claim was submitted in the amount of \$256,853.01.

**Subventions 2024-25** – The District submitted an application for participation in the Program in the amount of \$665,000. A total of \$14 million has been approved by the Central Valley Flood Protection Board for the Program for FY 2024-25.

**Subventions 2025-26** – The District submitted an application for participation in the Program in the amount of \$700,000.

**Annual Maintenance** – Attached are the current maintenance items we are tracking.

**FEMA** – The District's claim is currently under review at FEMA. MBK will continue to check in with FEMA personnel regarding status updates. The total claim amount is \$65,256.11.

**SB 88** – All equipment through Phase 4 has been installed and certified by MBK Engineers. Data is currently being collected at 37 sites across all four islands. MBK will continue to monitor all sites weekly via Wildeye's website and monthly via site visits. In early March, three flow meter batteries were replaced. In April, two flow meter batteries have been replaced so far.

All Wildeye units are currently working, with the exception of:

- (1) Bouldin Island Siphon 30: Damaged by driftwood (equipment will be reinstalled when Phase 5 installations occur at nearby siphons).
- (2) Bouldin Island Siphon 24: The data collected is not being recorded correctly in Wildeye, which we believe is due to a configuration issue. MBK will coordinate with Wildeye to try to resolve the issue during Phase 5 installations.
- (3) Bouldin Island Siphon 10: The Wildeye unit is not receiving inputs from the connected flowmeter. Upon visual inspection by MBK, no issues seemed to be present. Wildeye will evaluate and repair during nearby Phase 5 installations.

All flow meters are currently working, with the exception of:

- (1) Bouldin Island Siphon 2: This meter can be replaced with the complimentary 12" meter and 14" conversion kit provided by TechnoFlo. A change order or new contract is needed with Gornto to have the equipment installed.
- (2) Bouldin Island Siphon 26: This meter can be replaced with one of the surplus 12" meters purchased by MWD during the Phase 5 equipment purchase. The extra 14" conversion kit is no longer needed for Bouldin Island Siphon 9 and can be used. A change order or new contract is needed with Gornto to have the equipment installed.
- (3) Bacon Island Siphon 25: This meter can be replaced with one of the surplus 12" meters purchased by MWD during the Phase 5 equipment purchase. A change order or new contract is needed with Gornto to have the equipment installed.
- (4) Webb Tract Siphon 6: This meter can be replaced with one of the surplus 12" meters purchased by MWD during the Phase 5 equipment purchase. A change order or new contract is needed with Gornto to have the equipment installed.
- (5) Bacon Island Siphon 14: Grounding cable disconnected and dead battery. MBK to fix cable and replace battery.
- (6) Holland Tract Siphon 1: Dead battery. MBK to replace.
- (7) Holland Tract Siphon 2: Low battery. MBK to replace.

Phase 5 flow meter installations have been completed on Bouldin Island and Webb Tract. A separate request for proposals will be created at a later date for Bacon Island and Holland Tract. The installation of Phase 5 Wildeye telemetry equipment has been completed on Bouldin Island, but we are waiting on confirmation that all Wildeye units have been moved to the steel posts welded on to the siphons by RD staff. MBK is coordinating with Wildeye staff to begin installations on Webb Tract.

MBK has provided MWD staff with a draft summary technical report on the 2023 OpenET and measured diversion comparison for review and is developing a similar comparison for 2024.

MBK prepared Water Year 2024 annual reports, and MWD staff submitted the reports prior to the February 1, 2025 deadline. Subsequent to those submissions, MWD staff prepared and submitted a second set of annual reports using the Delta ACP reporting platform.

MBK met with MWD and Tetra Tech on March 6, 2025, to discuss the Bouldin Island Water Balance. Tetra Tech requested recommendations by MBK regarding the metering of the discharge pumps. MBK shared that MWD has an excess 24" flange mag meter from the Phase 5 equipment purchase that could be utilized. Other meters would be required to measure flows in the larger pipes. MBK is currently working with TechnoFlo to obtain a quote for a 30" flange mag meter and will reach out to MWD staff once it is received.

## RD 2026 – Webb Tract

### Issue Tracking Summary

April 18, 2025

Issue ID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
003	Medium	October 3, 2016 5:00 PM	JaimeBarajas	Station 614	Broken Equipment	Pump station platform pile appears to have buckled.	Repair	Dino to investigate and repair; Schedule TBD. See photos.
019	Medium	January 31, 2017 5:00 PM	JaimeBarajas	Station 614	Boil	Boil located near pump station	Investigate	Jaime to monitor. On 3/22/17 District forces coretrenched levee and found no cause for seepage.
050	Low	July 20, 2017 5:00 PM	Russ Ryan	Station 180	Crack	Possible small crack between WS crown and AB splash berm	Monitor	
061	Medium	January 19, 2018 1:00 AM	Dave Forkel	Station 164+60 False River Pump	Seepage	Seepage under discharge pipes. Ongoing problem.	Monitor	Investigate problem; This has been a long-term issue. 6/9/18 Photos received from Jaime; MBK investigating options for remediation
61.1		June 10, 2019 12:00 AM						Seepage berm construction complete. RD forces placed 6,026 cy of material. Continue to monitor.
069		July 10, 2018 12:00 AM	AndrewReece	Station 408	Sloughing	Approx. 200ft of rip rap sloughing	Monitor	
105	Medium	December 10, 2020 11:31 AM	Dave Forkel	Sta 378+00	Crack	40 ft crack in center of levee	Monitor	
106	Medium	February 3, 2023 10:13 AM	Dave Forkel	Sta 445+00	Boil	Boil about halfway down slope, toe very wet. Sandbags installed.	Investigate	Sandbags
107	Medium	October 18, 2023 12:48 PM	Jack Cronin	Station marker just north of fisherman's cut. Just on water side of marker. Can't see marker from water.	Sloughing	Sloughing, appears old. Not likely from earthquake.	Monitor	