

MEMORANDUM

August 18, 2021

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: August 2021 Engineer's Report

Described below are the engineering items to be discussed at your August 18, 2021 meeting.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$845,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20. The District submitted a claim in the amount of \$211,282.60 for the fiscal year and received reimbursement in the amount of \$143,611.

Subventions 2020-21 – The District submitted an application in the amount of \$845,000. \$12 million has been approved for Program funding for FY 2020-21. We will be working on compiling the District's claim in the coming months. Final claims must be submitted by November 1.

Subventions 2021-22 – The District submitted an application for participation in the Program in the amount of \$465,000. \$10 million has been approved for the Program for FY 2021-22.

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

Five Year Plan – Work on the Five-Year Plan is currently in progress. A draft of the plan was distributed via email and we have incorporated the comments received to date. We have also addressed anticipated DWR comments and have sent a draft to DWR staff for review and comment. DWR has extended the expiration date of the funding agreements to December 31, 2021.

SB 88 – Work under Phase 3 of the measurement experiment has been completed. Phase 3 efforts primarily involved installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. The installation of telemetry equipment at each of these sites is also complete. MBK has visited the sites and certified that the installed flow meters have all been installed to manufacturer's specifications. MBK is still in the process of conducting comparison tests with the portable flow meter at these new sites.

During these site visits it was discovered that the equipment at Bouldin Island Siphon No. 27 had been stolen. In addition, MBK found that the flange bolts had to be tightened at two sites to prevent the siphon from losing prime. Lastly, the newly installed flow meter at Bacon Island Siphon No. 24 was generating questionable flow meter readings that MBK was unable to resolve during a site visit on 8/6/21. To complete the troubleshooting, the gate valve at the discharge of the siphon needs to be fixed to prevent leaking when fully shut to allow MBK to reprogram the flow meter.

MWD and the RDs are in compliance for calendar year 2021 under an approved extension of time. Current direction by MWD was to proceed with strict compliance. Therefore, MBK has provided cost estimates for

flange magnetic meters installed on the water side of all active siphons and developed a draft plan for compliance, which was provided to staff and legal counsel on June 8th. The draft plan for compliance will be refined with specific plans for individual siphons as operational details and legal direction are confirmed.

Development of the Delta-wide ACP by the Delta Measurement Experiment Consortium to utilize Open ET for measuring and reporting diversions continues. RD staff are currently in the process of creating place of use polygons for each of the islands. MBK and MWD continue to participate in the Consortium. The next Consortium meeting has not yet been scheduled.

Reclamation District No. 2025 Holland Tract
Issue Tracking Summary
8/13/2021

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
2	Medium	9/13/2016	Russ Ryan	Station 185	Crack	Crack in splash cap near leak	Monitor	Monitor; See photos
22	Low	2/10/2017	Nate Hershey	Station 545+80	Boil	Boil in landside slope	Monitor	Directed Asta to build a containment berm; Berm constructed; continue to monitor. 2/13/17 No flow coming through levee, relatively dry
25	Medium	2/13/2017	Nate Hershey	Station 105	Erosion	Erosion site	Repair	Repair; Monitor and repair when feasible
28	Low	2/18/2017	Russ Ryan	Station 315+75	Rodent Activity	Rodent Activity	Repair	Repair; Monitor and repair when feasible
60	Medium	1/18/2018	Brian Janowiak	Station 414-417	Other	Rodent activity	Monitor	Minor squirrel activity, mostly on upper LS slope. One larger void in levee crest (Sta 417) may need to be excavated.
98	Medium	6/10/2020	RalphHeringer	Sta 470 to 480 from LS of county road to toe ditch	Other	Fire	Monitor	Fire
98.1		8/11/2020	Nate Hershey	July 4 fire reported at Marina #1				
98.2		8/11/2020	Nate Hershey	July 20 fire reported at Mainstone property				