

**MEMORANDUM**

January 19, 2022

**TO:** Reclamation District No. 2025

**FROM:** Nathan Hershey

**SUBJECT:** **January 2022 Engineer's Report**

Described below are the engineering items to be discussed at your January 19, 2022 meeting.

**Subventions 2020-21** – The District submitted an application for participation in the Program in the amount of \$845,000. \$12 million has been approved for Program funding for FY 2020-21. A final claim in the amount of \$81,813.28 was submitted.

**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, 2022. At DWR's request, we will be submitting the anticipated total cost of improvements for planning purposes by the end of the month.

**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. Work under Phase 4 of the measurement experiment is expected to begin in the near future. MWD has authorized the purchase of 25 flow meters along with telemetry units to be installed on all four islands. The flow meters, flanges, bolts, and job boxes were delivered by Technoflo earlier this month. MWD has begun their inspection of the delivered equipment and will reach out to Technoflo if anything is missing and/or damaged. MWD has also begun the process of selecting a contractor to perform the installations of this equipment. The installations are estimated to be completed before the end of 2022. MBK has conducted visits to the proposed sites to identify work that needs to be completed prior to installing the flow meters. MBK will work with MWD and the selected contractor to complete these preparations.

After reviewing the notes and photos from MBK's visits to the Phase 4 sites, 4 siphons were identified as potentially having asbestos or had a tar coating on the pipe exterior. These hazardous materials could harm the contractor and the environment if not disposed of properly. MBK visited these sites with an environmental consultant, Bovee Environmental Management, on December 30th to determine if any hazardous materials are present. The tests showed hazardous materials were present at 3 of the 4 sites. MWD has already contracted with W.C. Maloney to remove the materials in the area where the flow meter would be installed. MBK will be joining W.C. Maloney at the first site to ensure there is enough material for the flow meter installation to continue.

MWD and the RDs are in compliance for calendar year 2022 under an approved extension of time. The extension was approved by the Delta Watermaster on January 13th, 2022 and will expire on January 1st, 2024. The extension of time included a Plan for Compliance which provides details regarding the methods to estimate diversions on siphons without flow meters and provides a measurement equipment installation schedule. MWD currently anticipates that installing all the flow meters will take five years. Therefore, MBK has provided cost estimates for flange magnetic meters with telemetry equipment installed on the water side of all active siphons.

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.

**Reclamation District No. 2025 Holland Tract**  
**Issue Tracking Summary**  
1/14/2022

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				

**Reclamation District No. 2025 Holland Tract**  
**Issue Tracking Summary**  
1/14/2022

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
99	Low	9/16/2021	DaveForkel	Sta 350+50	Erosion	Vegetation clearing by landowner may have exposed levee to erosion.	Monitor	