

MEMORANDUM

February 12, 2020

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: February 2020 Engineer's Report

Described below are the engineering items to be discussed at your February 12, 2020 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$400,000. \$12 million has been approved for Program funding for FY 2018-19, consistent with recent previous years. The District's final claim was been submitted in the amount of \$209,466.23. DWR and CDFW have performed their annual inspection and the claim is currently being processed.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$500,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20.

Subventions 2020-21 – Applications for participation in the Program are due April 1. We will be working on a draft of the application and will submit the final package prior to the deadline.

Annual Maintenance – Attached are the current maintenance items we are tracking. We have reviewed the status of the stationing paddles on the island. All paddles have been accounted for and none require replacement at this time.

Five Year Plan – Work on the Five-Year Plan is currently in progress. The proposed project phasing exhibit is attached, with a general goal of building all new projects to the State's Bulletin 192-82 levee standard. Areas recently rehabilitated would be raised to the 192-82 standard after the proposed rehabilitation projects are complete. The Plan must be completed by the end of 2020.

DWR Emergency Response Grant Update – We are still waiting to see the final version of the Local Flood Safety Plan.

SB 88 – Work under Phase 2 of the measurement experiment (work plan for 2019 through Feb 2020) is wrapping up. All of the data collected through the summer irrigation season has been reviewed and analyzed. Review of data collected this fall and winter has begun. MBK has prepare a draft Report to update last year's experiment summary report. A draft of the Report will be provided to MWD as soon as possible, with the intent to finalize by the end of February.

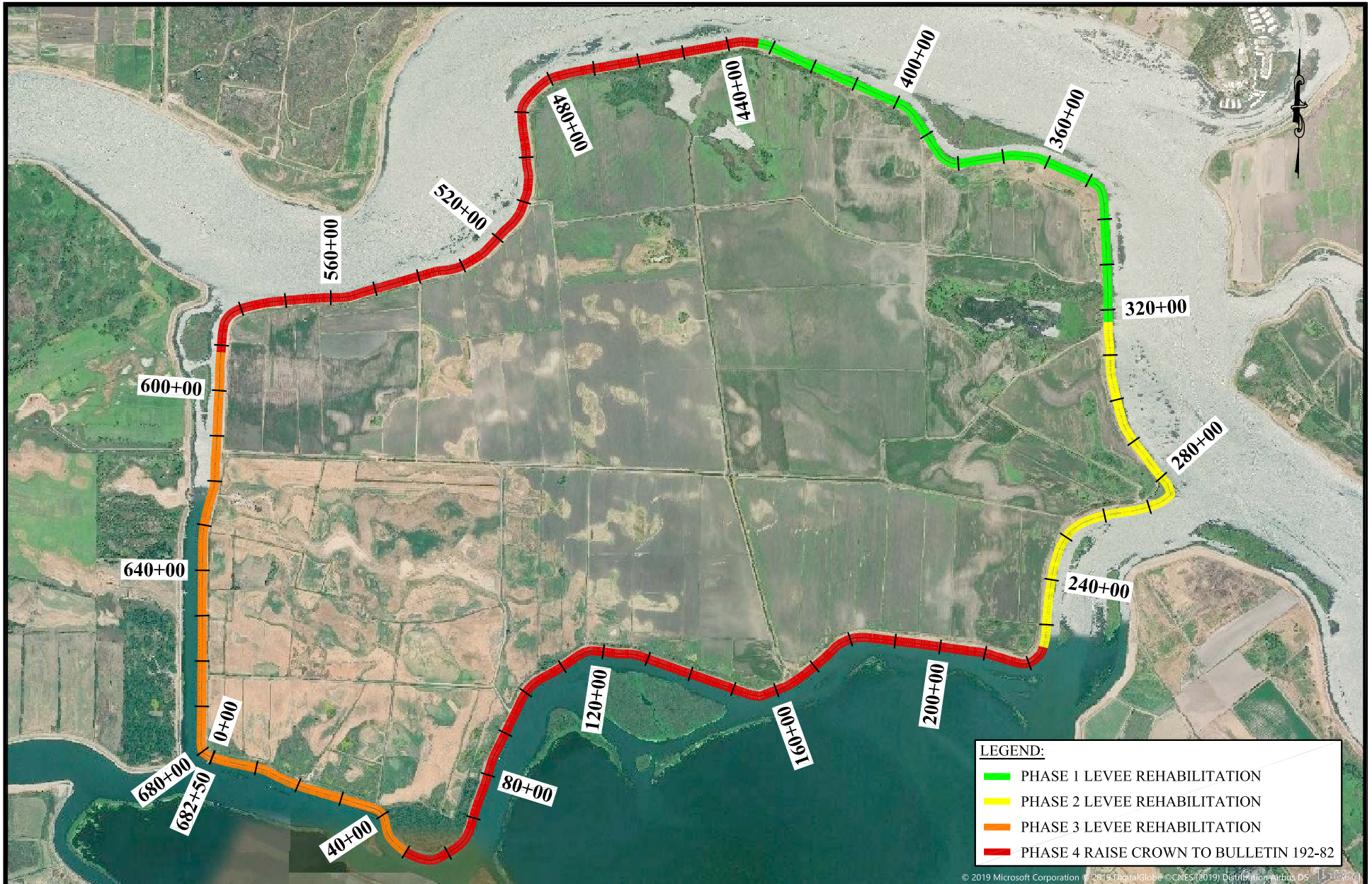
On behalf of MWD and the RDs, MBK submitted a Request for Additional Time (Request) to the Delta Watermaster on January 3, 2020. On February 6, 2020, MBK received approval for the Request from John Collins of the Delta Watermaster's office. The approval states that the newly approved Request will expire on January 1, 2021, and that if additional time is required, another Request should be submitted no later than December 1, 2020.

MBK has drafted a workplan for 2020 efforts, as outlined in the Request. The workplan primarily involves installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. A preliminary list of sites to install flange magnetic meters has been identified. These sites will include telemetry equipment, with the intent to post data to the Reclamation District websites for each island. Approximate costs for equipment and installation for these sites has also been obtained. The workplan also includes the removal of equipment that does not show promise in meeting the accuracy requirements.

During a site visit to Bouldin Island on December 13, 2019 the vandalized test sites (Bouldin Island Siphon Nos. 39 and 40) were investigated. We found that the solar panels, dataloggers, and power supplies were stolen, but the flow sensors were not damaged and remain in place. Future site visits to all of the islands are currently on hold until diversions increase and/or activities related to the next phase of the Measurement Experiment begin.

Reclamation District No. 2026 Webb Tract
Issue Tracking Summary
2/7/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
3	Medium	10/4/2016	Jaime Barajas	Station 614	Broken Equipment	Pump station platform pile appears to have buckled.	Repair	Dino to investigate and repair; Schedule TBD. See photos.
19	Medium	2/1/2017	Jaime Barajas	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.
50	Low	7/21/2017	Russ Ryan	Station 180	Crack	Possible small crack between WS crown and AB splash berm	Monitor	
61	Medium	1/19/2018	Ralph Heringer	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		6/10/2019	Nate Hershey			Seepage berm construction complete. RD forces placed 6,026 cy of material. Continue to monitor.		
69	Medium	7/10/2018	Andrew Reece	Station 408	Sloughing	Approx. 200ft of rip rap sloughing	Monitor	



MBK
ENGINEERS

455 University Avenue, Suite 100
Sacramento, California 95825
Phone: (916) 456-4400 • Fax: (916) 456-0253

RECLAMATION DISTRICT NO. 2026
WEBB TRACT

PROJECT PHASING EXHIBIT

SCALE:	1" = 3000'
JOB NUMBER:	4280-18
DRAWN BY:	JB
DATE:	10/10/2019
SHEET:	6 OF 6