



**SAN BERNARDINO
VALLEY** | A REGIONAL WATER
AGENCY SINCE 1954

**BOARD OF DIRECTORS WORKSHOP - RESOURCES/ENGINEERING
2:00 pm Thursday, September 19, 2024**

In Person:

380 East Vanderbilt Way
San Bernardino, CA 92408

Online via Zoom:

<https://sbvmwd.zoom.us/j/82492309440>

Meeting ID: 824 9230 9440

PASSCODE: 3802020

By Telephone:

Dial-in Info: (877) 853 5247 US Toll-free

Meeting ID: 824 9230 9440

PASSCODE: 3802020

If you are unable to participate online or by telephone, you may also submit your comments and questions in writing for the District's consideration by sending them to comments@sbvmwd.com with the subject line "Public Comment Item #" (insert the agenda item number relevant to your comment) or "Public Comment Non-Agenda Item". Submit your written comments by **6:00 p.m. on Wednesday, September 18, 2024**. All public comments will be provided to the Board President and may be read into the record or compiled as part of the record.

IMPORTANT PRIVACY NOTE: Online participants **MUST** log in with a Zoom account. The Zoom app is a free download. Please keep in mind: (1) This is a public meeting; as such, the virtual meeting information is published on the World Wide Web and available to everyone. (2) Should you participate remotely via telephone, your telephone number will be your "identifier" during the meeting and available to all meeting participants; there is no way to protect your privacy if you elect to call in to the meeting.



SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
380 E. Vanderbilt Way, San Bernardino, CA 92408

BOARD OF DIRECTORS' WORKSHOP - RESOURCES/ENGINEERING
2:00 PM Thursday, September 19, 2024

CALL TO ORDER

Chairperson: Director Hayes Vice-Chair: Director Harrison

1) **INTRODUCTIONS**

2) **PUBLIC COMMENT**

Members of the public may address the Board regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on off-agenda items except as authorized by law. Each speaker is limited to a maximum of three (3) minutes.

3) **DISCUSSION AND POSSIBLE ACTION ITEMS**

- 3.1 Status Update on the Enhanced Recharge in the Santa Ana River Basins - Phase 1B (30 min) - Page 2
[Staff Memo - Project Status Update for the Enhanced Recharge Phase 1B Project](#)
[Exhibit for the Enhanced Recharge Project, Phases 1A, 1B, and 1C](#)

4) **FUTURE BUSINESS**

5) **ADJOURNMENT**

DATE: September 17, 2024

TO: Board of Directors

FROM: Leo Ferrando, Assistant Chief Engineer
Mike Esquer, Senior Project Manager
Brent Adair, Project Manager

SUBJECT: Project Status Update for the Enhanced Recharge Phase 1B Project

Staff Recommendation

Receive and file. Staff is providing the Board of Directors (BOD) with an update on the status of the construction of the Enhanced Recharge - Phase 1B Project.

Summary

On March 7, 2023, the BOD awarded the construction project to Bogh Engineering for \$51,380,900. Following the BOD's construction contract award, Valley staff provided Bogh Engineering with the Notice to Proceed on March 20, 2023. This project is currently under construction and is estimated to be completed by November 2024. During this meeting, staff will provide a more detailed presentation on the project construction status.

Background

The following summarizes the Enhanced Recharge in the Santa Ana River Basins (SARER) Phase 1B Project (Project). This Project, along with Phase 1A, will facilitate the capturing and recharge of Santa Ana River water diverted by San Bernardino Valley (Valley) and Western Municipal Water District (WMWD) under the Water Rights Permits 21264 and 21265. The Permits were granted in 2010. When the Project is complete, it will accommodate the diversion of up to 500 cubic feet per second (cfs) and recharge up to 78,500 acre-feet in a single year.

The Preliminary Design Report (PDR) for the Enhanced Recharge Project was started in 2010 and completed in 2011. In general, the entire Enhanced Recharge Project was broken into various phases due to mainly the timing and permitting strategies for each phase, including Phase 1A, which consists of the improvements to the San Bernardino Valley Water Conservation District's (WCD) canal, construction of the sedimentation basin and pipelines connecting to the Foothill Pipeline; Phase 1B, which consists of construction of new canals and recharge basins; and Phase

1C, which consists of improvements to the Intake Structure and construction of debris removal equipment.

Upon completion of Phase 1A construction in 2018, the Board awarded the design and project management to Butier Engineering for Phase 1B. Additionally, the Board also awarded a contract for obtaining compliance with the California Environmental Quality Act (CEQA) to ELMT in 2020 for the Project.

After the Project was advertised for bids and the subsequent bid opening, at the March 7, 2023, BOD meeting, Bogh Engineering was awarded the construction project for \$51,380,900. Furthermore, the Board also approved budgetary funds for a 10% contingency along with \$3.5M for special inspection, field engineering, and biological monitoring. Due to the levels of coordination and attention needed during construction, management efficiency, and District staff availability, rather than continuing Butier Engineering's service, District staff took over the construction management aspect of work.

The construction contract has expended \$48,680,556.31 of the original contract amount (OCA) of \$51,380,900. The Project has \$2,788,765.34 remaining in the OCA. Additional Project Change Orders (PCOs) in the amount of \$2,964,723 (5.8% of OCA) have been approved for Bogh Construction. Of the overall PCO amount, \$996,777 (34% of the total PCOs) is for peripheral improvements, including Permanent SBKR Fencing at Weaver Basins, improvements to the Santa Ana Low Turnout for SWP deliveries to the new basins, and site grading at the Foothill pump station associated with the sewer improvement. Additionally, \$1,167,946 (39% of the total PCOs) is for habitat restoration that is required to be completed after the construction of the new basins. Only \$800,000 (27% of the PCO) is focused on the improvement and redesign of the SARER 1B Project.

The Construction project was estimated to take 30 months and would have a completion date of September 2025. The Project is on track to be completed by November 2024, almost 10 months ahead of schedule. Through coordination with WCD staff, limited water recharge in several of the new basins began as early as January 2024. Throughout the Project, Staff has worked closely with the construction team and WCD to limit outages to the existing basins. It is estimated that between 12,000 and 15,000 acre-feet of additional water recharge was captured due to the coordination efforts.

Engineering staff will provide detailed construction activities, photos, and expenditures to date in a presentation to the Board at the Workshop.

District Strategic Plan Application

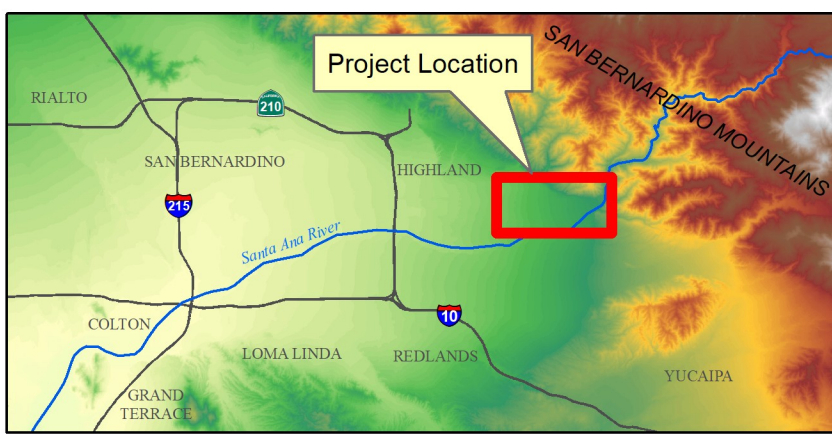
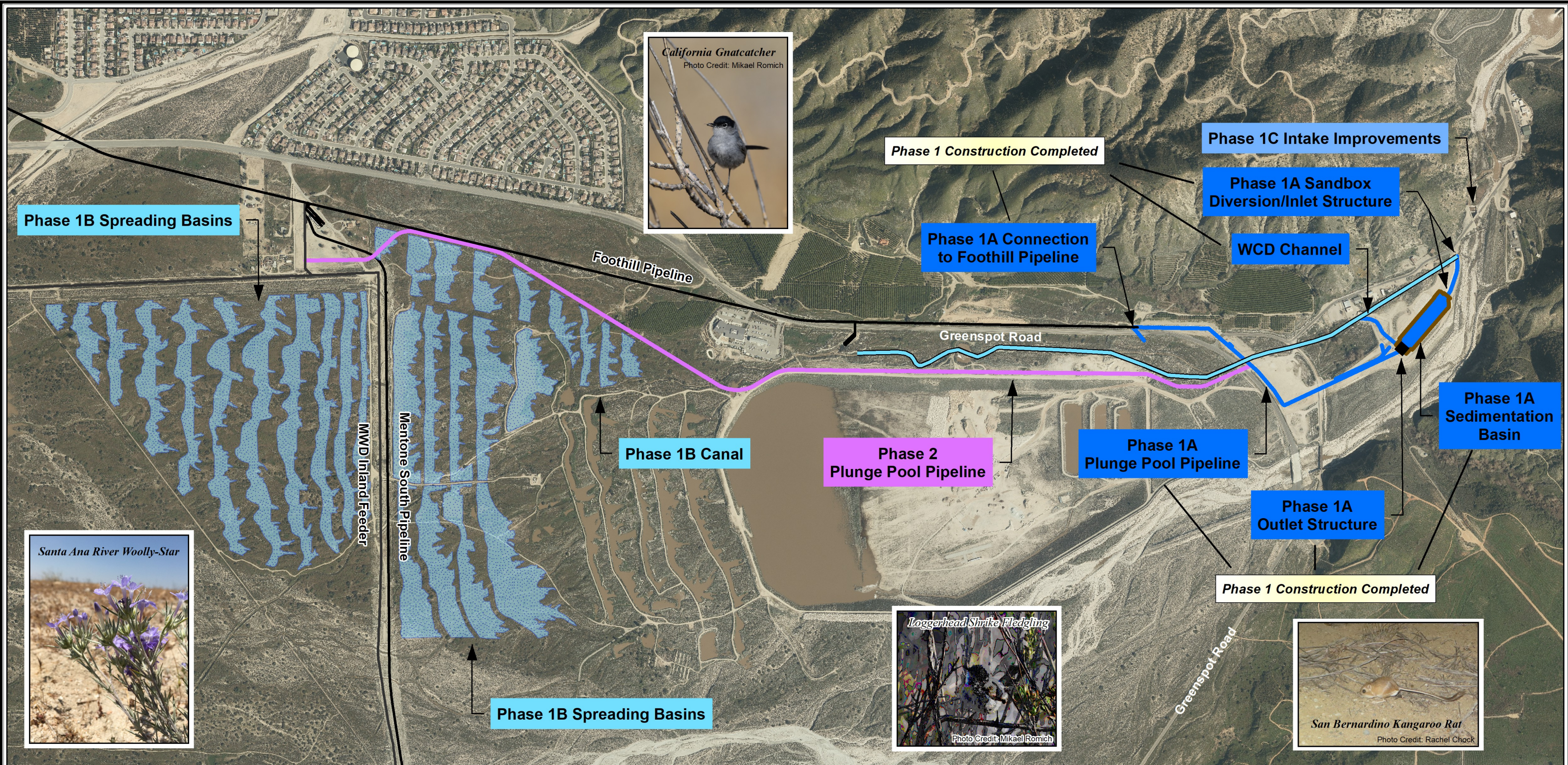
The Project demonstrates the District's mission, vision, values, and strategies of working collaboratively to provide reliable and sustainable water supply for the region, being innovative and driven, building trust by being a collaborative and resourceful partner, and maximizing the value of the region's water assets.

Fiscal Impact

The estimated construction costs were included in the approved FY23/24 and FY24/25 General Fund budgets in anticipation of the construction activities during this fiscal year. The Project costs will be apportioned using the "Watermaster split," with WMWD paying approximately 28% and Valley paying approximately 72%. It is the intent of Valley District to use WIFIA program funding to finance a portion of the construction costs for the Project, with matching funds coming from other listed Valley projects identified in the WIFIA program.

Attachment

Exhibit for the Enhanced Recharge Project, Phases 1A, 1B, and 1C



Facilities of Enhanced Stormwater Capture and Recharge Along the Santa Ana River Project



Aerial Photography Date: March, 2019
Source: SBVMWD, SBCO

Date: 8/28/2023

