

Zone 5
Report to the Zone Commissioners
By Jason Uhley, General Manager-Chief Engineer
November 2018

Current/Recent Construction Projects

Banning MDP Lines D-2 and D-2A (5-8-00169-01)

This District-led project constructed over one mile of underground storm drain that will help collect runoff from the local streets and reduce flooding at the intersection of Ramsey and Hargrave Streets. The system collects water west of the intersection of Hargrave and Indian School Lane and conveys it in an underground storm drain southerly along Hargrave Street until it discharges into the existing Ramsey Street storm drain.

The contractor, Mamco, Inc. dba Alabbasi, was the lowest bidder at \$3,133,777.00. Construction began on May 15, 2017 and finished February 2018.



Active Design Projects

Calimesa Channel, Stage 3 (5-8-00160-03)

This City of Calimesa-led project will extend the Calimesa Channel, Stage 1 outlet from its existing location just west of 5th Street to a new location in the natural wash downstream of Calimesa Boulevard. The extension will transition the existing open channel into an underground facility and capture and convey flows within County Line Road before releasing them back into the natural wash. The District has currently committed to fund approximately \$6 million of the \$7.3 million project. The overall project will include water quality enhancements and improvements to the recreational trail.

The City has secured a \$900,000 U.S. E.P.A. grant for preliminary engineering and environmental work, and is currently evaluating alternative designs which include an upstream basin.



Gilman Home Channel Stage 6 (5-8-00170-06)

This is a Banning Unified School District (BUSD)-led project to alleviate flooding and facilitate campus expansion at Banning High School. The District has met and coordinated with BUSD to determine the scope of the project. BUSD currently proposes the project to extend the existing Gilman Home Channel, Stage 2 southerly approximately 1,100 feet along the westerly boundary of Banning High School. The proposal is to replace the existing natural channel with a 12' x 8' reinforced concrete box (RCB) and to fill in the watercourse to create an even surface. The school intends to use the area above the RCB as a parking lot. The cost estimate for the 1,100 ft. for this proposal is \$2.7 million. The District budgeted \$500,000 as partial funding toward this project presuming significant financial participation from BUSD. In recent discussions, BUSD expressed the intent to ask for additional funding from the District at the budget hearings in December 2018.

Banning MDP Line H, Stage 1 (5-8-00177-01)

This is a District-led project that will reduce flooding along Hathaway Street between Barbour and Wesley Streets. The project will collect flows in Hathaway Street, starting at Barbour Street, and will convey the flow south in an underground storm drain within Hathaway and then east within Wesley Street, discharging the flow into Smith Creek. The project is fully funded by the District with some betterment funding provided by the City for paving roads. Design plans are currently 90% complete, and the project is expected to advertise for construction in February 2019.

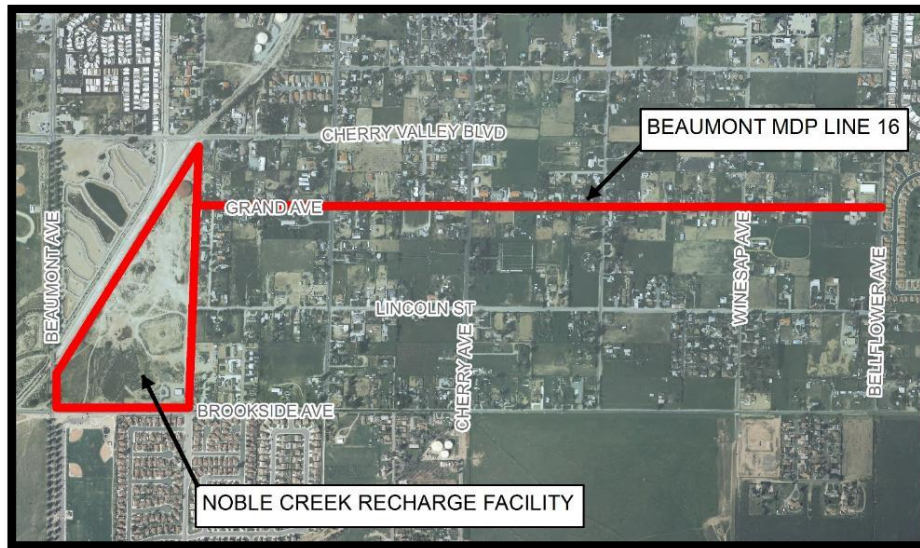


Beaumont MDP Line 16, Stage 1 (5-8-00201-01)

This is a District-led project that will build MDP Line 16 as an element of a cooperative project with the Beaumont-Cherry Valley Water District (BCVWD) to provide both flood control and stormwater capture for groundwater recharge. Line 16 will be built in Grand Avenue beginning at the intersection of Grand Avenue and Bellflower Avenue, heading west along the right of way of Grand Avenue until it reaches BCVWD's Noble Creek Recharge Facility (NCRF) - Ph II. This project will provide 10-year storm protection to the area south of Grand Avenue and west of Winesap Avenue, and allow BCVWD to recharge storm flows from Line 16's tributary area into the Beaumont Groundwater Basin.

The District has hired a consultant to complete the final design and is currently working on 30% plans. The project will be partially funded by the IRWM Grant. The District and BCVWD are

currently working on a funding agreement to cover the remaining costs. Construction costs are based on a 50/50 cost share; the District will contribute 100% of the Line 16 design costs, and BCVWD will contribute 100% of the NRCF-Ph II design costs.



Uncategorized/Other Contributions

Hydrogeotechnical Analysis (5-6-10020-00)

This is a District-led project to hire geotechnical engineers to test existing District facilities for groundwater recharge potential. This is fully funded by the District. As of October 2018, one basin in Zone 5 was tested for infiltration and was found eligible for stormwater/urban runoff capture.

San Gorgonio Integrated Regional Watershed Management (IRWM) (5-6-10027-00)

This is a City of Banning-led project to identify and implement water management solutions on a regional scale. The project includes activities to support close coordination with project proponents, the District, Regional Water Management Group (RWMG) Members and additional stakeholders. Cost includes project management of the San Gorgonio IRWM Plan Program, monthly progress reports, research, preparation, meeting materials (agenda, presentation, sign-in sheet, meeting notes) and meeting facilitation with RWMG key stakeholders and California Department of Water Resources. Future activities include coordination for the Proposition 1 grant application with an anticipated deadline of April 2019.