



## DRAINAGE INFRASTRUCTURE

**DATE:** April 2024

### **PURPOSE**

To provide information and overview of the drainage facilities bordering March Air Reserve Base. There are three main facilities that border MARB and provide storm water protection.



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## DISCUSSION

March Air Reserve Base has been subject to considerable flooding in the past. There are three main facilities that border MARB and provide storm water protection.

### Heacock Channel (GREEN – Completed)

A major 2004 flooding event forced a brief closure of March Air Reserve Base (MARB). In 2010, March JPA facilitated meetings with local stakeholders Riverside County Flood Control and Water Conservation District, City of Moreno Valley and MARB officials. Through MOUs and joint federal and local funding, partners were able to complete a 2-mile long concrete lined channel in 2018 and removed hundreds of federal and local lands, including over 400 residents, from a major flood plain.

### Perris Valley Drainage Lateral B (YELLOW – Fully Funded - Pending MARB easement)

The Perris Valley drainage system runs along the western border of MARB carrying flows from the nearby Riverside National Cemetery to the Base. The system is an un-improved dirt system. A non-aviation logistics facility (VIP 215) constructed part of the drainage system and the remainder of the system is located on the Base.

Status: This project is fully funded. No federal funds are involved. Construction plans are complete. Construction start date is waiting on final review of an easement package by the Installation Commander. The new Installation Commander recently landed at MARB and stakeholders are optimistic that construction of this facility would begin in 2024.

### Cactus Channel (RED – Pending Easements and Funding MOUs)

The Cactus Channel is an approximate 1.5 mile, un-improved drainage facility that border the Base to the north from the I-215 freeway to the terminus in the Heacock Channel. This channel has experienced hikes in construction costs due to COVID. New project estimates place the project over the \$26 Million mark.

Following is the cost share summary of the Project based on Stakeholders' participation.

<b>Cactus Channel</b>		
<b>Stakeholders</b>	U.S. Air Force	<b>\$1.9 Million</b>
	Lewis Group	<b>\$5.1 Million</b>
	USDA	<b>\$3.4 Million</b>
	MarchOne/MJPA	<b>\$6.1 Million</b>
	RCFC&WCD	<b>\$9.0 Million</b>
	City of Moreno Valley	<b>\$0.5 Million</b>
	<b>Total Project Cost</b>	<b>\$26.2 Million</b>

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Status: March JPA is working closely with Riverside Flood Control & Water Conservation District, Air Force Reserve Command, March Air Reserve Base, private developers and the USDA to obtain easements and construction funding through community partnership MOUs. Design of the proposed facility is 100% complete. Construction easements and funding MOUs have been circulated to stakeholders by the Riverside Flood Control District.

### **RECOMMENDATIONS / REQUESTS**

We are aware of the potential for flooding impacts to the base due to the Lateral B and Cactus Channel's and seek AF Reserve assistance to address these issues.

- Lateral B: Continued engagement by AFRC personnel and MARB leadership to support the Easement requests for construction and maintenance.
- Cactus Channel: Continued engagement by AFRC and 452 AMW leadership to support processing the Easement requests for construction and maintenance as well as financial support for the completion of the project.