



# City Council Report

**Date:** April 6, 2020  
**To:** City Council  
**Through:** Kari Kent, Assistant City Manager  
**From:** Beth Huning, City Engineer  
Rob Kidder, Assistant City Engineer  
**Subject:** Flood Control Improvement Projects (3 Locations) – Three Intergovernmental Agreements (IGAs) with the Flood Control District of Maricopa County  
  
City Project No's: CP0977, CP0978 and CP0816  
Council Districts: 2 and 5

## Purpose and Recommendation

The purpose of this report is to provide information to the City Council to review and consider approval of three (3) separate Intergovernmental Agreements (IGAs) between the Flood Control District of Maricopa County ("District") and the City of Mesa ("City") for the design, construction, construction management, operation, and maintenance of drainage improvements within the City. The three proposed IGA's are for the following projects:

1. Palo Verde Drainage Improvements Project
2. Val Vista at the Eastern Canal Drainage Project
3. Somerset Circle Drainage Improvements Project

Refer to Exhibit "A", Exhibit "B" and Exhibit "C" for the location of each project.

Staff recommends that the Council approve all three (3) IGAs and a Resolution authorizing the City Manager or his designee to execute each of the IGAs.

## Background

On April 27, 2011, the District Board of Directors adopted Resolution FCD 2009R003A (C-69-09-062-6-01) authorizing the District to cost-share in recommended drainage projects by local agencies under the District's Small Project Assistance Program (SPAP). In January 2020, City staff received approval for three (3) individual projects for cost share under the SPAP for fiscal years 2021 and 2022. Consequently, each project has been

approved by the District for funding up to a maximum of \$500,000.

1) CP0977 Palo Verde Drainage Improvements Project

This area of the City (south of Brown Road and east of Power Road) has experienced flooding at various times and takes on runoff from adjacent undeveloped land which flows over Adobe Road and onto Palo Verde Road, flooding adjacent properties. City staff proposes to improve existing drainage basins on Palo Verde Road, construct a new detention basin north of Adobe Road to capture flows, and construct a valley gutter along Adobe Road to route flows west on Adobe Road.

2) CP0978 Val Vista at the Eastern Canal Drainage Project

This area of the City (north of Main Street and east of the SRP Eastern Canal) has historically experienced flooding and drainage issues that have created a flood hazard for residential along Val Vista Drive and in the Val Vista Village RV Park. Runoff arrives at a low point in Val Vista and ponds in the street due to the elevated SRP Canal. Due to this extensive ponding for prolonged periods, road closure of Val Vista Drive is necessary for public safety. City staff proposes to add lateral storm drain pipes and inlets in Val Vista Drive to reduce flooding and ponding times. These improvements are recommended to improve the flooding and reduce the ponding time in Val Vista Drive.

3) CP0816 Somerset Circle Drainage Improvements Project

This area of the City (north of US 60 and east of Higley Road) has experienced flooding and drainage issues that have created a hazard for residential properties located on Somerset Circle. The lack of capacity in the existing storm drain system creates issues with storm water flow conveyance, flooding homes and streets. City staff proposes to improve grading through an existing drainage tract and install a depressed curb to route flows to an adjacent detention basin, improve the storm drain system, and improve an existing block wall drainage opening with a new spillway to capture and route flows away from the cul-de-sac.

## **Discussion**

The purpose of each IGA is to identify and define the responsibilities of the District and the City for design, right-of-way acquisition, utility relocation, construction, construction management, operation, and maintenance of the proposed projects. The City must participate in the design and construction cost of each project and also operate and maintain the facilities. The District will fund seventy five percent (75%) of the project construction cost incurred and invoiced between July 1, 2020 and June 30, 2022, up to a maximum of \$500,000 per project in accordance with the District's SPAP as stated in each IGA.

Once a bid for each project has been received and accepted, each construction contract

will be brought to the City Council for consideration. The local matching funds will come from the City's Transportation Department Highway User Revenue Fund.

### **Alternatives**

The City Council could choose not to enter into each of the three (3) IGAs with the District. The City's lack of participation in this program would stop the projects, resulting in continued drainage problems for citizens in each of the areas identified. This alternative is not recommended.

### **Fiscal Impact**

The District will fund seventy-five percent (75%) of the project design and construction costs incurred for each project up to a maximum contribution of \$500,000. The City will be responsible for funding the remainder of the cost. The City will also be 100% responsible for land acquisition, landscape aesthetic improvements, utility conflicts, construction administration, operation, and maintenance costs. A breakdown of the total estimated construction cost for each Project is as follows:

<b>Project Description</b>	<b>City's Estimated Contribution</b>	<b>District Estimated Design &amp; Construction Contribution</b>	<b>Total Estimated Design &amp; Construction Cost</b>
1. Palo Verde Drainage Improvements Project	\$150,164	\$450,491	\$600,655
2. Val Vista at the Eastern Canal Drainage Project	\$152,558	\$457,673	\$610,231
3. Somerset Circle Drainage Improvements Project	\$61,112	\$183,335	\$244,447
<b>Totals</b>	<b>\$363,834</b>	<b>\$1,091,499</b>	<b>\$1,455,333</b>

### **Coordinated With**

The Transportation Department concurs with this recommendation.