



## Small Project Assistance Program

For Flood Control Capital Projects

Fiscal Year 2021

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Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009 (602) 506-1501

# Small Project Assistance Program

## Purpose of the Program

In accordance with Flood Control District of Maricopa County (District) Resolution 2009R003A, the District prioritizes and funds potential local flood control capital projects through its annual Small Project Assistance Program (SPAP). Resolution 2009R003A authorizes the program.

The Small Project Assistance Program has three purposes:

- Facilitate the mitigation of flood hazards that are local in nature but pose a risk to the citizens and property of Maricopa County;
- Using consistent, published criteria, objectively evaluate submitted local flood control capital projects requested by municipalities/agencies;
- Allow for the rapid implementation of recommended local flood control capital projects with minimal administrative delay.

## Scope of the Program

The following general limitations exist on District assistance offered under this program:

- The terms of the District's standard Small Project Assistance Program Intergovernmental Agreement (IGA) (generally described below) are mandatory;
- Annual District contributions for all projects submitted under this program is based on Capital Improvement Program funding availability;
- The District will participate in no more than five local flood control projects per municipality in the program fiscal year.

Exceptions to the policies of this program are not granted. However, projects may alternately be submitted to the District's Capital Improvement Program Prioritization Procedure that allows for additional implementation flexibility.

Though intended to primarily address actual structure flooding problems, the SPAP will also consider projects that will resolve "potential" structure flooding problems. The standard SPAP IGA will be utilized for both types of projects. The Scoring Matrix is the same for both actual structure flooding projects and "potential" structure flooding projects. However, SPAP project submittals that address actual structure flooding problems will be funded first. SPAP project submittals that only address "potential" structure flooding will be implemented based on availability of District funding. "Potential" structure flooding projects may be placed in a "backlog que" of projects until such time as District funding becomes available. In the Scoring Matrix questions number one and two, the appropriate box must be checked if the proposed project only addresses "potential" structure flooding problems.

The SPAP will consider opportunities for Water Conservation, Alternative Stormwater Management, and third party Grant Funding opportunities. The Scoring Matrix question number four provides for inclusion and earning of such related points.

Implementation of projects that rely on third party Grant Funding, and if such funding will not be available in the submitted program fiscal year, can be placed in the “backlog que” for implementation in a future program fiscal year when both District and the grant funding becomes available. Such grant funded projects that resolve actual structure flooding problems will move ahead of other projects in the “backlog que”.

## **Procedure**

No later than the 1<sup>st</sup> Friday of each October, the District and other municipalities/agencies will identify and recommend projects for consideration in the following fiscal year. Proposals are prepared through a web application located at [www.maricopa.gov/549/Small-Project-Assistance-Program](http://www.maricopa.gov/549/Small-Project-Assistance-Program), which requires submitters (Outside municipalities/agencies or District staff) to answer objective questions.

Each proposal must include supporting documentation of structure flooding to residential and/or commercial properties. Provide photos, copies of flooding complaints and a list of properties that have experienced structural flooding including the address, parcel number and the date(s) of flooding.

Each proposal that only resolves “potential” structure flooding problems must include hydraulic model evidence indicating the flood event level that could “potentially” cause the structure flooding as well as the number of “potentially” flooded structures.

Each proposal must produce an independent solution to mitigate a local drainage problem that has historically caused or “potentially” would cause flooding to structures. Projects shall not duplicate or have overlapping benefits of recently completed or current projects.

Proposals shall not be split into multiple submittals. District funding is meant to be applied to a single project that resolves a specific flooding issue.

Each proposal must include a location map or design plans detailing project elements.

Proposals will be objectively scored in accordance with a scoring matrix approved by the District’s Flood Control Advisory Board, and scored submittals will be ranked.

Projects must score at least 40 points to be considered for approval. Above this, an adjustment of the approval threshold may be made each year based on available funding.

Projects scoring above the set approval threshold are reviewed by the District’s Director or Chief Engineer and General Manager, who may determine that a project would more appropriately be evaluated under the District’s Capital Improvement Program Prioritization Procedure.

District staff prepares draft IGAs for approved projects, as appropriate, and presents these draft Agreements to submitting municipalities/agencies for approval. Agency approvals for these Intergovernmental Agreements must be provided within 45 days of receipt. These Agreements are subsequently forwarded to the District's Board of Directors for approval.

Recommended and approved projects will be completed over the course of the fiscal year for which the projects were submitted or the following fiscal year. This requirement will not be applied if the submitted project relies in part on third party Grant Funding, in which case the project would be placed in the "backlog que" and implemented as indicated above.

Refer to the attached process flow chart for the approval and subsequent implementation process for a project.

## **Agreement Terms**

The District's Small Project Assistance Program Standard Intergovernmental Agreement is a component of this program. Among its terms, the Agreement stipulates that:

- Costs associated with rights-of-way acquisition, utility adjustments or relocations, permitting, construction management, materials testing, survey work, non-flood control features operations and maintenance are the responsibility of the requesting municipality/agency;
- Design costs may be cost shared (at the discretion of the submitter)
- The requesting municipality/agency acts as lead agency for all activities;
- The District will be given an opportunity to review and comment on project plans and specifications, and District comments will be incorporated where feasible;
- District contributions are limited to 75% of construction and design costs of flood control elements of the project, not to exceed \$500,000;
- The District may pay fifty percent (50%) of its cost share contribution upon award of a construction contract for approved projects, and its cost share contribution for remaining construction and/or design costs incurred upon completion of construction or prior to the end of the fiscal year for which the project is approved or the following fiscal year, whichever is first to occur;
- District contributions are limited to project construction and design costs incurred during the fiscal year for which the project was submitted or the following fiscal year – subsequent and prior costs are the sole responsibility of the requesting municipality/agency;
  - This requirement will not be applied as described if the submitted project relies on third party Grant Funding, in which case the project would be placed in the "backlog que" and implemented as previously described. District contributions would then be applied as indicated above, but within the program fiscal year in which the project was removed from the "backlog que" and construction initiated.

- The requesting municipality/agency is responsible for all operations and maintenance and related costs associated with a completed project – District staff will not be available to assist with these efforts.

This standard agreement is mandatory for all projects approved under this procedure; a copy will be provided upon request.

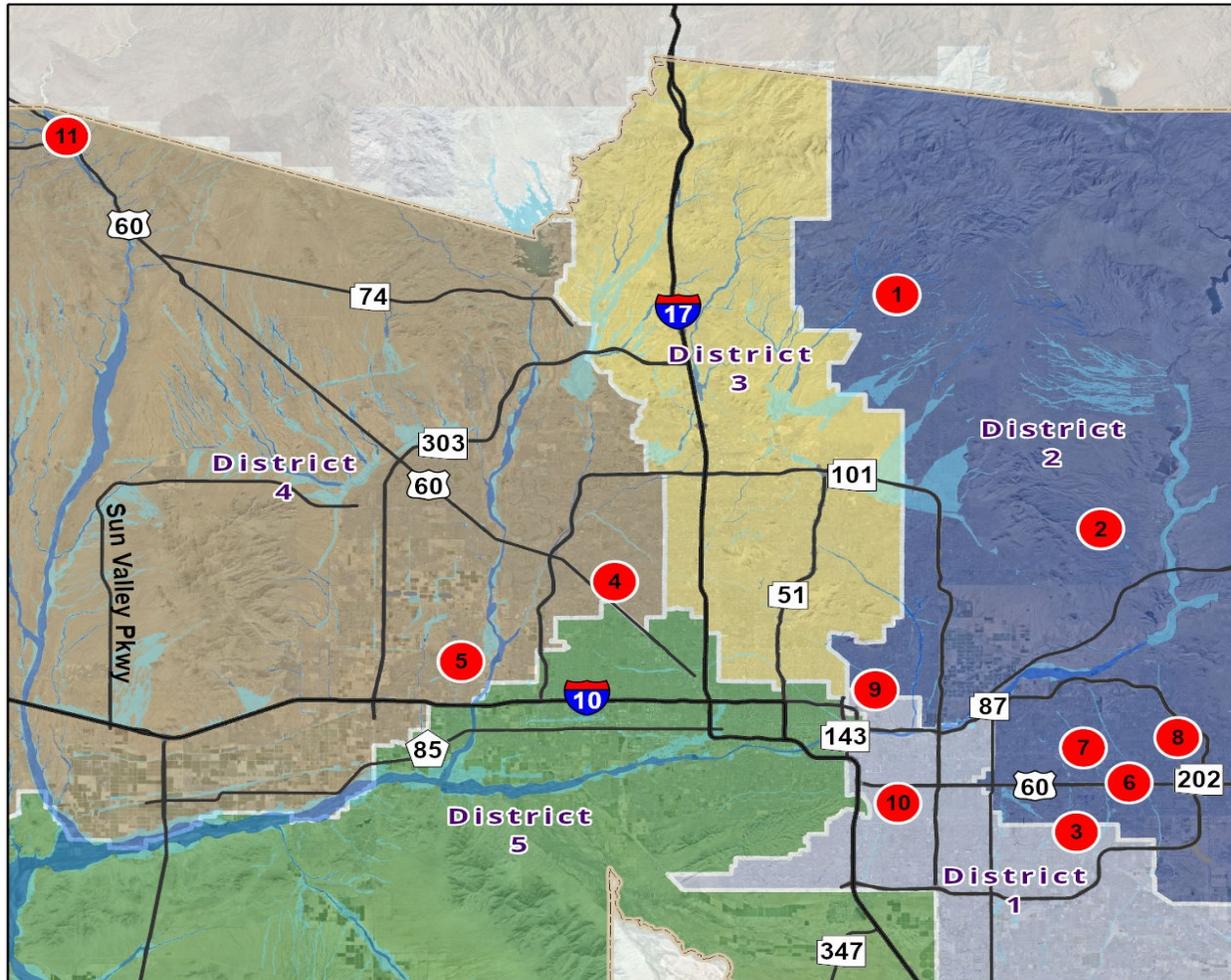
**Points of Contact**

Planning and Project Management Division Manager: Don Rerick, P.E., 602-506-4878  
 Capital Improvement Program Supervisor: Kim Belt, CPM, 602-506-3639  
 Project Management Branch Manager: Tim Murphy, P.E., CFM, 602-506-4605

**Fiscal Year 2021 Small Project Assistance Program Schedule**

August 15 <sup>th</sup> , 2019	Notices Mailed to Municipalities/Agencies
October 4 <sup>th</sup> , 2019	Municipalities’/Agencies’ Proposals Due
October 2019	Proposals Administratively Reviewed and Ranked
October 2019	District Budget Evaluated for Funding Availability
October 2019 – January 2020	IGAs Drafted and Presented for Approval
FY 2021 SPAP Program Period:	July 1, 2020 – June 30, 2022
June 30 <sup>th</sup> , 2022	Cutoff Date for District Reimbursement

# Small Project Assistance Program Submittals For Fiscal Year 2021



- 1 Desert Awareness Park / Galloway Wash Improvements
- 2 Golden Eagle Park Dam - Debris Mitigation Improvements
- 3 Crossroads Storm Water Pump Upgrades
- 4 Royal Shadows Drainage Improvement Project
- 5 Vista Verde Drive Drainage Improvement Project
- 6 Somerset Circle Drainage Improvements
- 7 Val Vista at the Eastern Canal Drainage
- 8 Palo Verde Drainage Improvements
- 9 Oak Street Storm Drain Improvements
- 10 Watson Drive and Bonarden Lane
- 11 Powder House Wash Realignment and Low Water Crossing

● FY 2021 Small Projects

■ Floodway

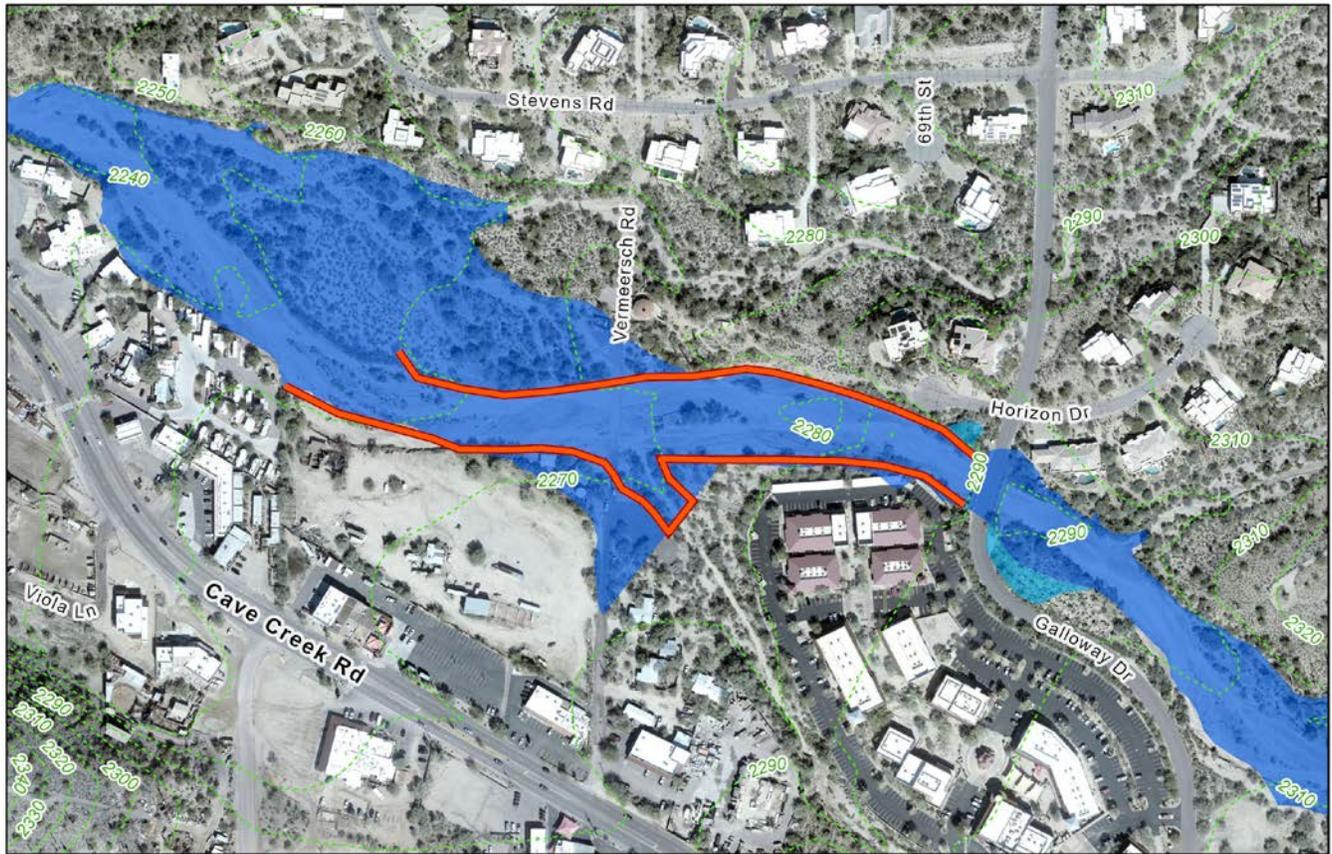
■ Floodplain

Supervisorial District

- 1
- 2
- 3
- 4
- 5

0 5 10 Miles





— Project Area   
 - - - 10 ft Contour   
   Floodway  
  Floodplain



Aerial Photography - Fall 2018

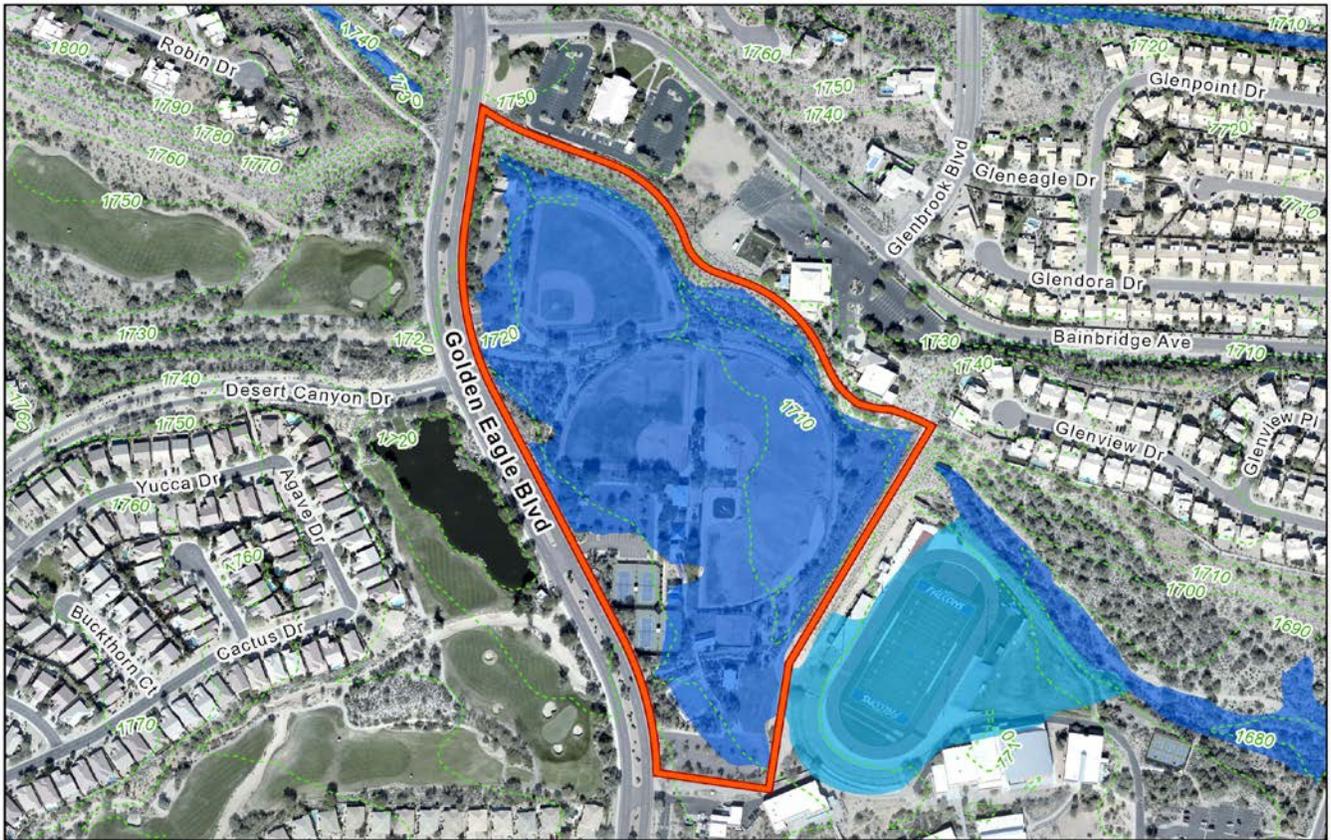
1 inch equals 325

<b>Project Description:</b> Stabilize channel banks to protect structural improvements in park and public roadway.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					Yes
Smallest storm event that can cause residential or commercial flooding					2-year
Number of residential or commercial structures having potential to flood					27
Number of events having caused residential or commercial flooding					0
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					0%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$650,000
District cost share					\$487,500
<b>Score: 60</b>					

APPROVED

# Golden Eagle Park Dam – Debris Mitigation Improvements Town of Fountain Hills

No.2



— Project Area   
 - - - 10 ft Contour   
  Floodway  
 Floodplain



Aerial Photography - Fall 2018

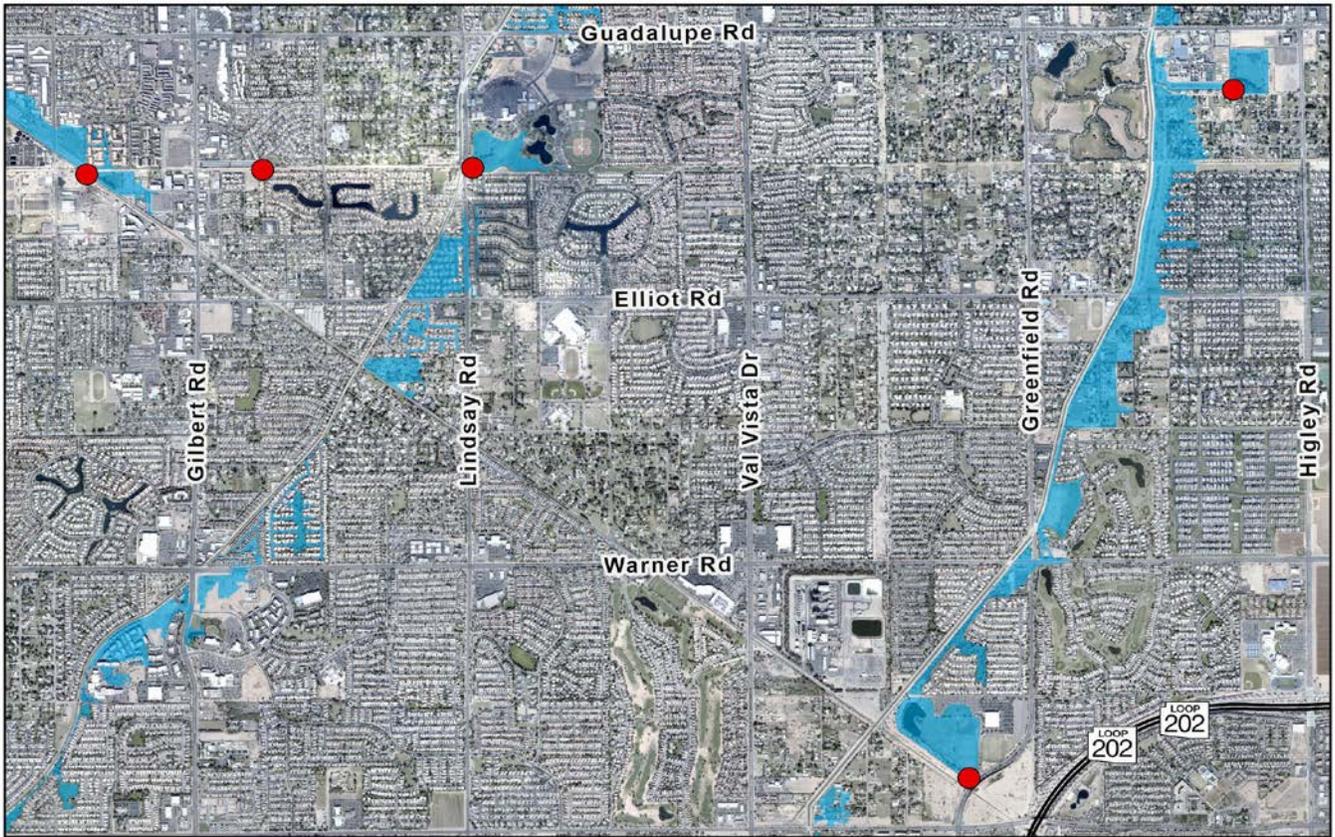
1 inch equals 400

<b>Project Description:</b> Removal of trash rack, Channel excavation/removal, Bollard/debris structure, Grouted riprap and Concrete access.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					7
Number of events having caused residential or commercial flooding					1
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					0%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$121,000
District cost share					\$90,750
<b>Score: 52</b>					

APPROVED

# Crossroads Storm Water Pump Upgrades Town of Gilbert

No.3



- Stormwater Pump Station
- Floodplain

Aerial Photography - Fall 2018

1 inch equals 3,000



<b>Project Description:</b> Upgrade backup generator, addition of an explosive gas sensor, misc. upgrades to trash racks and wet well structure					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					No
Smallest storm event having caused residential or commercial flooding					None
Number of residential or commercial structures having historically flooded					0
Number of events having caused residential or commercial flooding					0
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					0%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$600,000
District cost share					\$450,000
<b>Score: 15</b>					

NOT APPROVED

# Royal Shadows Drainage Improvement Project

## City of Glendale

No.4



- Project Area
- Existing Infrastructure
- Flooded Property
- 10 ft Contour

Aerial Photography - Fall 2018

1 inch equals 200



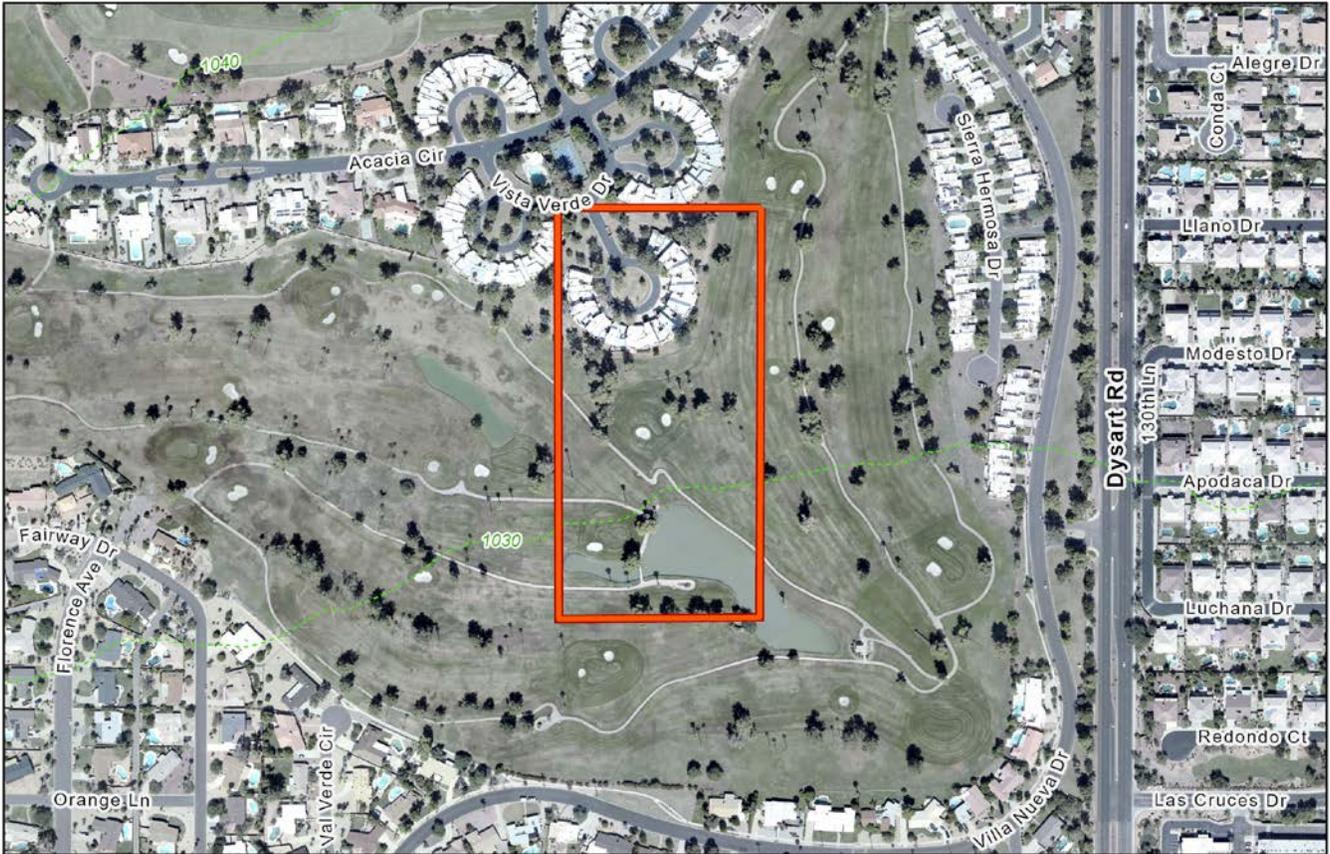
**Project Description:** Modify the existing inlet, and increase the capacity of the outfall facilities by providing an overland outfall with additional capacity and/or constructing a storm drain system which will discharge to an existing 72-inch storm drain in 67th Avenue.

Project Evaluation Category				Response	
Potential to Flood				N/A	
Smallest storm event having caused residential or commercial flooding				2-year	
Number of residential or commercial structures having historically flooded				5	
Number of events having caused residential or commercial flooding				2	
Smallest storm event having caused roadway or access closures				None	
Municipal commitment to completing design				Yes	
Percent design complete to date				30%	
Rights-of-way in place				Yes	
Project priority to agency				1	
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost				\$200,000	
District cost share				\$150,000	
<b>Score: 68</b>					

APPROVED

# Vista Verde Drainage Improvement Project City of Litchfield Park

No.5



— Project Area

- - - 10 ft Contour

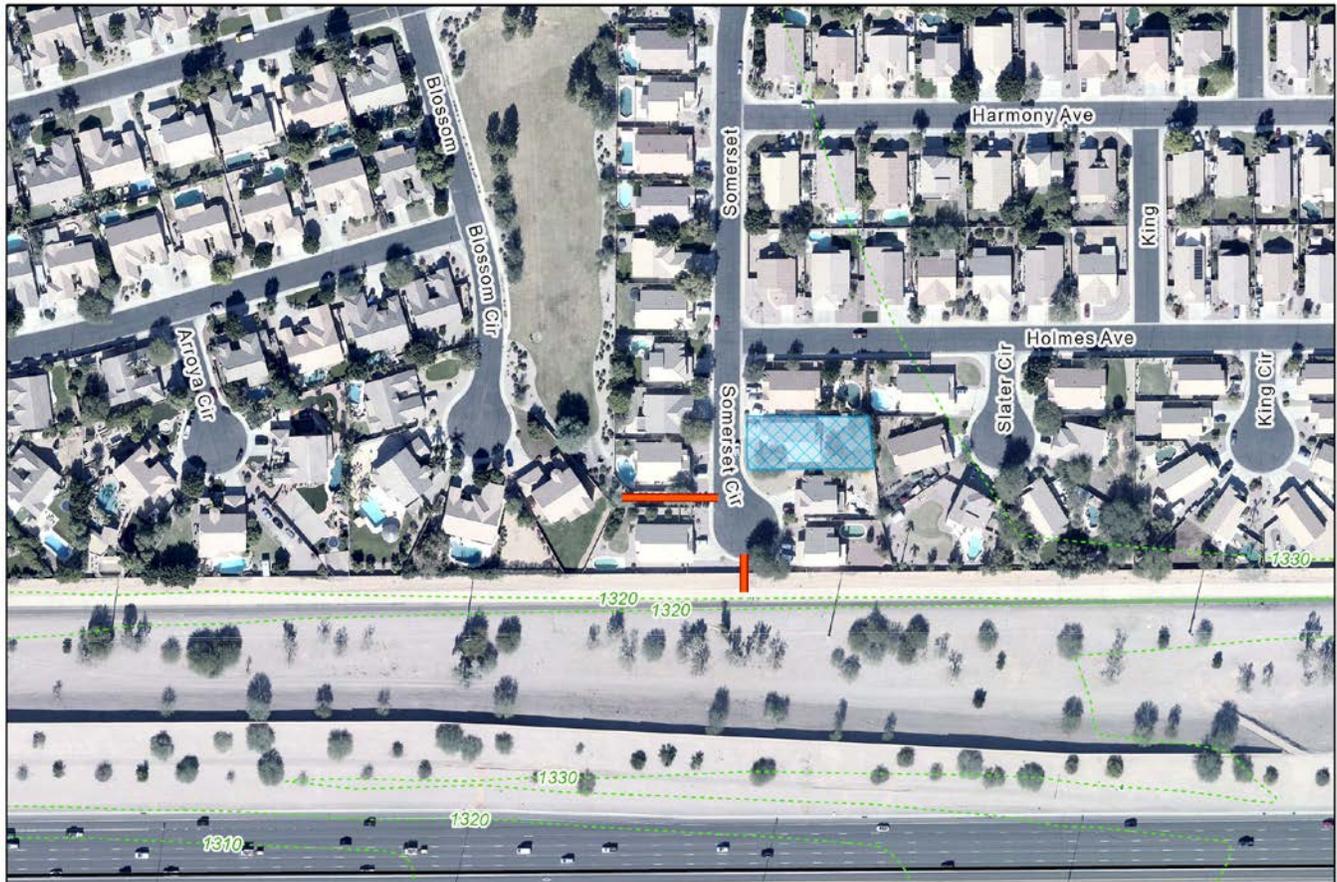


Aerial Photography - Fall 2018

1 inch equals 400

<b>Project Description:</b> Reconstruction of 120 lineal feet of Vista Verde Drive, construction of 850 lineal feet of earthen overflow channel, and revegetate impacted areas.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					11
Number of events having caused residential or commercial flooding					1
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					100%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$250,000
District cost share					\$187,500
<b>Score: 67</b>					

APPROVED



- Project Area
- - - 10 ft Contour
- Flooded Property

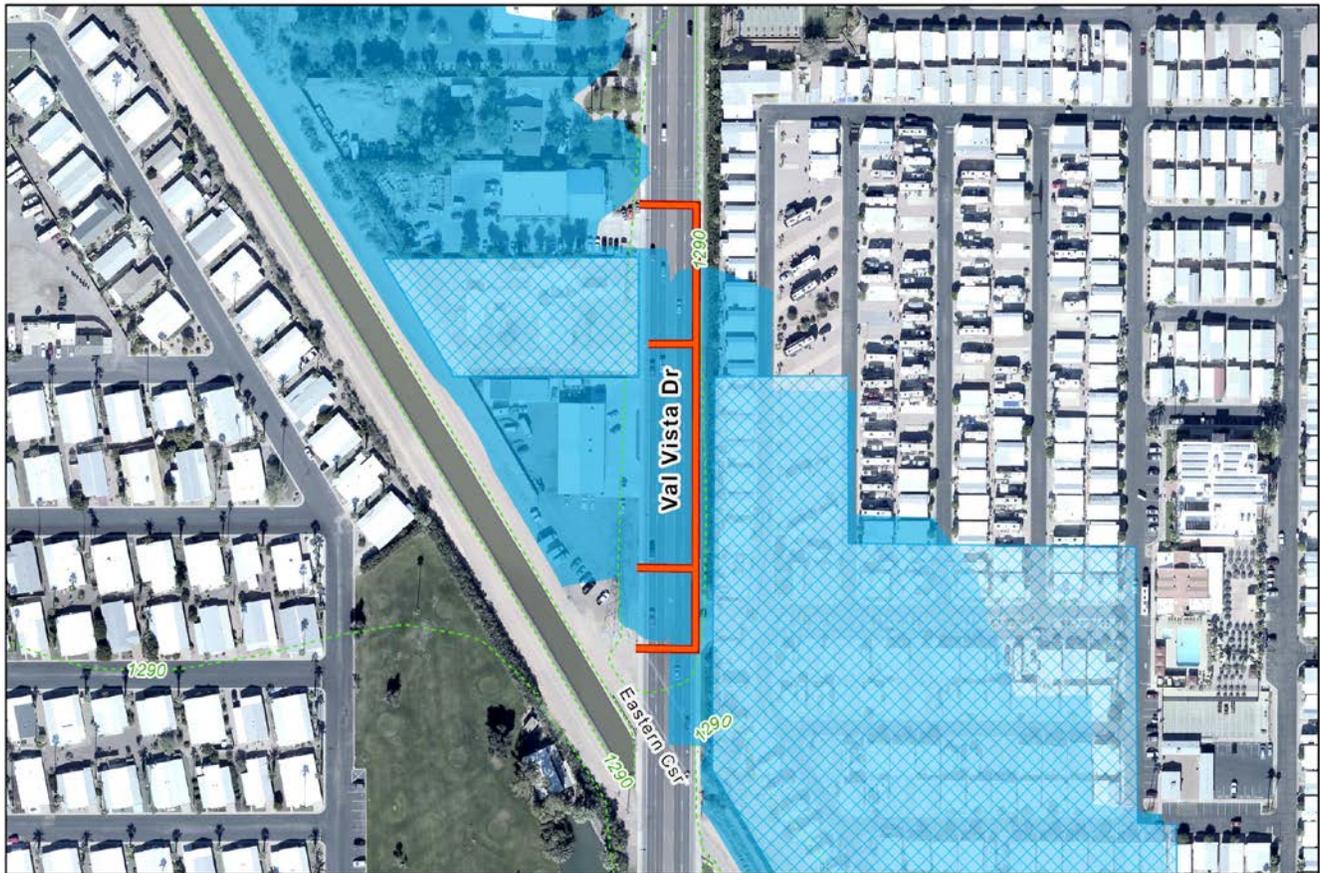


Aerial Photography - Fall 2018

1 inch equals 200

<b>Project Description:</b> Installation of Spillway, block wall modification and depressed sidewalk/curb.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					<b>N/A</b>
Smallest storm event having caused residential or commercial flooding					50-year
Number of residential or commercial structures having historically flooded					1
Number of events having caused residential or commercial flooding					1
Smallest storm event having caused roadway or access closures					10-year
Municipal commitment to completing design					Yes
Percent design complete to date					60%
Rights-of-way in place					Yes
Project priority to agency					2
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$244,447
District cost share					\$183,335
<b>Score: 44</b>					

APPROVED



— Project Area   
  Flooded Property   
  Floodplain  
- - - - - 10 ft Contour

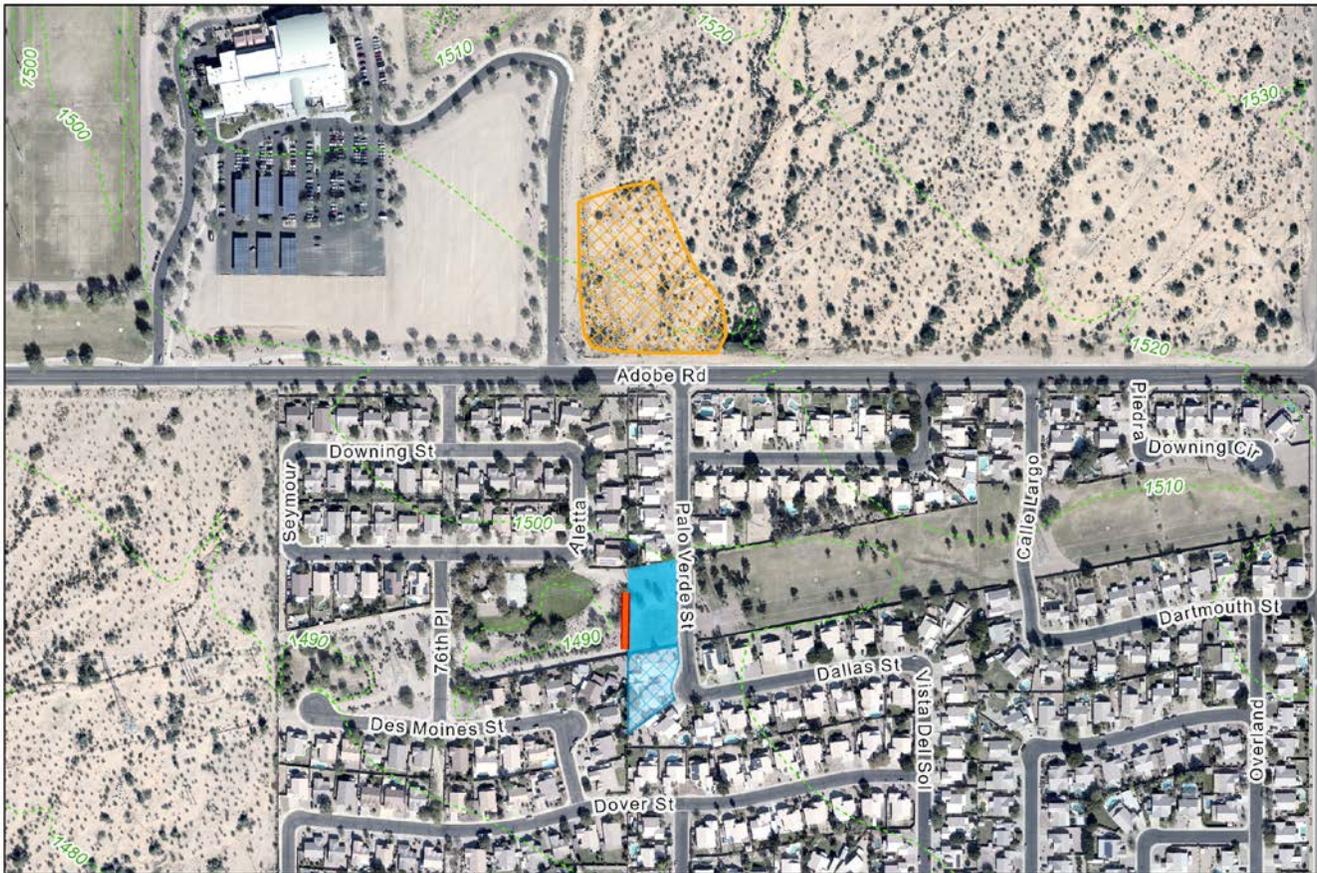
Aerial Photography - Fall 2018

1 inch equals 200



<b>Project Description:</b> Installation of junction box, catch basins, and connection to existing manholes.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					4
Number of events having caused residential or commercial flooding					4
Smallest storm event having caused roadway or access closures					10-year
Municipal commitment to completing design					Yes
Percent design complete to date					0%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$610,231
District cost share					\$457,673
<b>Score: 61</b>					

APPROVED



- Project Area
- Flooded Property
- 10 ft Contour
- Proposed Basin
- Existing Basin



Aerial Photography - Fall 2018

1 inch equals 400

<b>Project Description:</b> Construction of overflow weir, catch basin, valley gutter and retention basin.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					2
Number of events having caused residential or commercial flooding					5
Smallest storm event having caused roadway or access closures					10-year
Municipal commitment to completing design					Yes
Percent design complete to date					0%
Rights-of-way in place					Yes
Project priority to agency					3
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$600,655
District cost share					\$450,491
<b>Score: 48</b>					

APPROVED

# Oak Street Drain Improvements

## City of Scottsdale

No.9



Aerial Photography - Fall 2018

1 inch equals 400



<b>Project Description:</b> Raise frequently-clogged grates, which are currently flush to the top of two existing catch basins, by 4 inches and modify trash racks at five existing headwall-type inlets to reduce clogging.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					2
Number of events having caused residential or commercial flooding					1
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					30%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$100,442
District cost share					\$75,332
<b>Score: 43</b>					

APPROVED

# Watson Drive and Bonarden Lane City of Tempe

No.10



— Project Area      - - - - 10 ft Contour

- - - - Existing Infrastructure



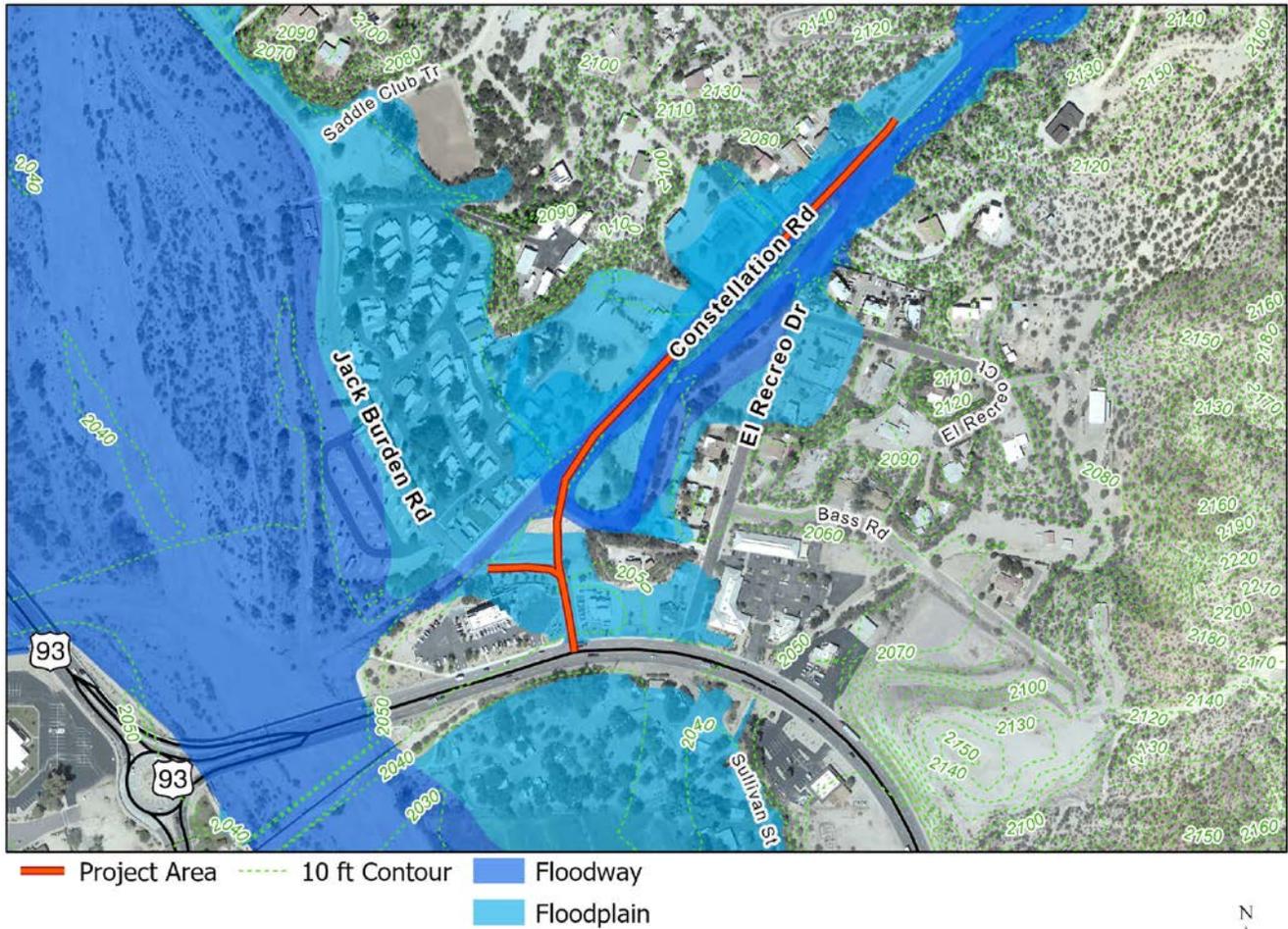
Aerial Photography - Fall 2018

1 inch equals 400

<b>Project Description:</b> Installation of approximately 1100' - 36" pipe to connect from Watson Dr to Rural Road; Additional outlet/storm drain line to connect to Kiwanis system along Watson Dr, Palm Dr, and Sesame St. to College Ave.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					61
Number of events having caused residential or commercial flooding					2
Smallest storm event having caused roadway or access closures					None
Municipal commitment to completing design					Yes
Percent design complete to date					20%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	Yes	Alternative Stormwater Mgmt.	Yes	Grant Funded	No
Total project cost					\$951,340
District cost share					\$500,000
<b>Score: 61</b>					

APPROVED

# Powder House Wash Realignment and Low Water Crossing No.11 Town of Wickenburg



Aerial Photography - Fall 2018

1 inch equals 400



<b>Project Description:</b> Installation of sidewalks, pavement, grading, catch basins, box culverts, headwalls, concrete aprons, storm drains, curb ramps, driveways and curbs.					
<b>Project Evaluation Category</b>					<b>Response</b>
Potential to Flood					N/A
Smallest storm event having caused residential or commercial flooding					10-year
Number of residential or commercial structures having historically flooded					9
Number of events having caused residential or commercial flooding					3
Smallest storm event having caused roadway or access closures					10-year
Municipal commitment to completing design					Yes
Percent design complete to date					30%
Rights-of-way in place					Yes
Project priority to agency					1
Water Conservation Opportunities	No	Alternative Stormwater Mgmt.	No	Grant Funded	No
Total project cost					\$2,600,000
District cost share					\$500,000
<b>Score: 68</b>					

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