



Small Project Assistance Program

For Flood Control Capital Projects

Fiscal Year 2017

Administrative edits to this document may be authorized by the Chief Engineer and General Manager of the Flood Control District of Maricopa County under the authority granted by Resolution FCD 2009R003A.

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. 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;
- 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 (generally reported 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.

Procedure

No later than the 1st Friday of each October (October 9 this year), the District and other non-municipalities/agencies will identify and recommend projects for consideration in the following fiscal year. Proposals are accomplished through a web application located at www.fcd.maricopa.gov/spap, which requires submitters (Outside non-municipalities/agencies or District staff) to answer objective questions.

Each proposal must include supporting documentation of structural 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 must produce an independent solution to mitigate a local drainage problem that has historically caused 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 within the same or across multiple fiscal years. 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.

No set score threshold exists for the approval of projects; rather, an approval threshold is established each year based on available funding. This approval threshold will be no less than 40 points.

Projects scoring above the set approval threshold are reviewed by the District's 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 Intergovernmental Agreements for approved projects, as appropriate, and presents these draft Agreements to submitting non-municipalities/agencies approval. 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 District approval.

Recommended and approved projects will be completed over the course of the fiscal year for which the projects were submitted.

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 design, 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;
- The requesting municipality 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 costs of flood control elements of the project, not to exceed \$250,000;
- The District pays 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 costs incurred upon completion of construction or prior to the end of the fiscal year for which the project is approved, whichever is first to occur;
- District contributions are limited to project construction costs incurred during the fiscal year for which the project was submitted – subsequent and prior costs are the sole responsibility of the requesting municipality;
- The requesting municipality 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: N/A

Fiscal Year 2017 Small Project Assistance Program Schedule

August 24th, 2015	Notices Mailed to Municipalities
October 9th, 2015	Municipalities' Proposals Due
October 2015	Proposals Administratively Reviewed and Ranked
October 2015	District Budget Evaluated for Funding Availability
October 2015 – January 2016	IGAs Drafted and Presented for Approval
January 2016 – June 2016	Final Plans and Specifications Completed by Municipalities
Program Fiscal Year	Approved Projects Constructed by Submitting Municipalities
June 30 th , 2017	Cutoff Date for District Reimbursement

Small Project Assistance Program Scoring Matrix

Finite values are assigned to project evaluation questions as follows:

1. Smallest storm event that has flooded residential or commercial structures:

20	2-year
16	5-year
12	10-year
9	50-year
6	Greater than 50-year
0	No documented evidence of damage to residential or commercial structures

2. Number of residential or commercial structures that have historically been flooded:

20	Five or more
16	Four
12	Three
8	Two
4	One
0	Zero

3. Number of recorded storm events that have flooded residential or commercial structures:

15	Three or more
10	Two
5	One
0	Zero

4. Smallest storm event that has caused roadway or access closures:

15	2-year
10	5-year
5	10-year
0	No documented evidence of roadway or access closures during a 10-year or smaller event

5. If work towards final plans and specifications is underway/completed, indicate percent complete:

15	100%
12	90%
10	60%
3	30%
0	Less than 30%

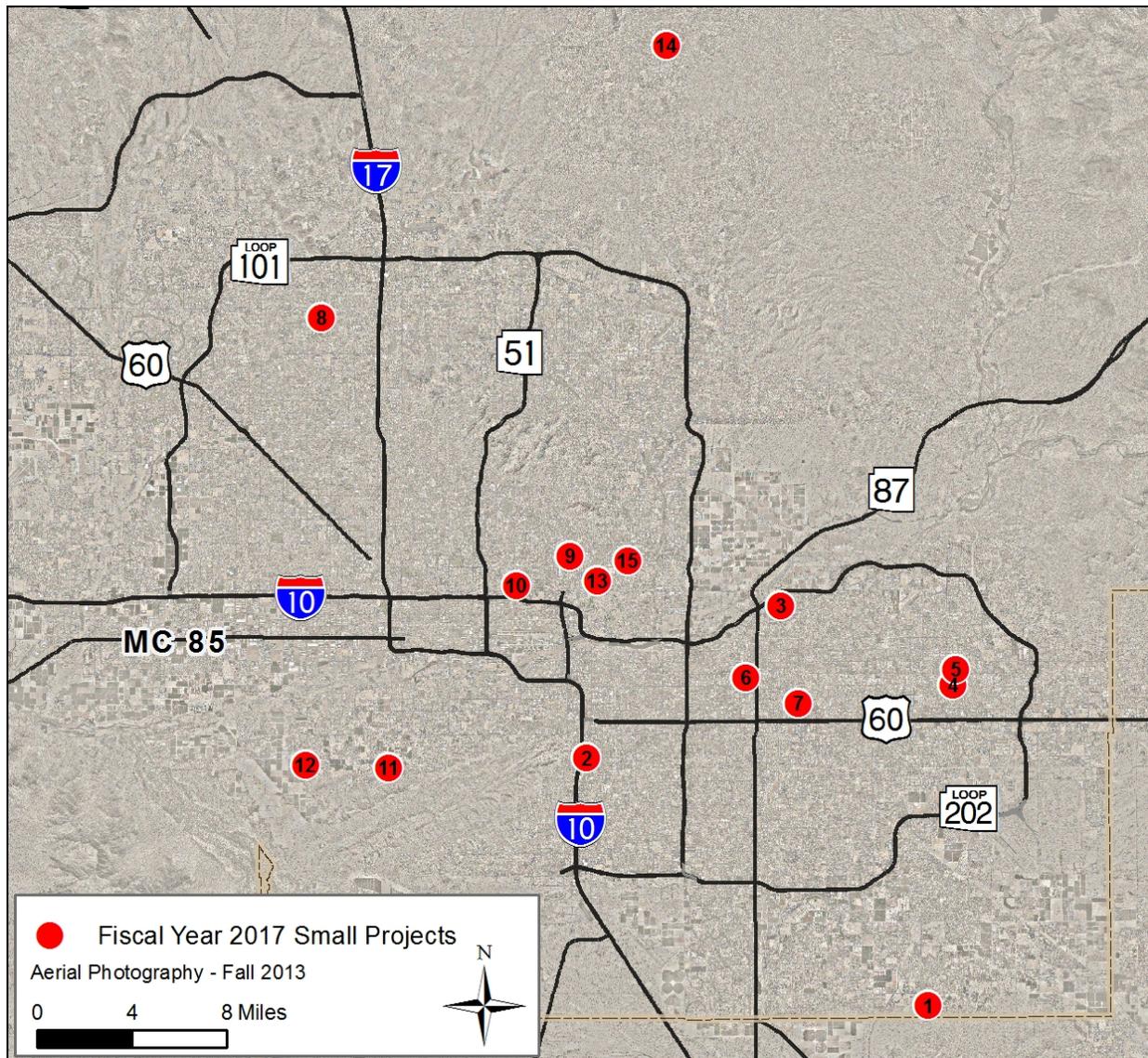
6. Does the submitting municipality own all project rights-of-way or have necessary land rights in place?

10	Yes
0	No

7. Indicate municipality's priority assigned to this project (1, 2, 3, etc.) compared to its other submittals:

5	One
3	Two
0	Three or more

Small Project Assistance Program Submittals For Fiscal Year 2017



Project	Agency	Score
01. San Tan Boulevard at 170th Street - Storm Drain	Gilbert	35
02. 9054 S. Calle Sahuaro (APN 301-12-051)	Guadalupe	44
03. Summer Street and Bates Street	Mesa	42
04. 63rd Street and Broadway Road	Mesa	67
05. 63rd Street and Main Street	Mesa	36
06. Extension Road and 2nd Avenue	Mesa	69
07. Solomon and Southern Avenue	Mesa	71
08. 47th Avenue and Paradise Lane Detention Basin	Phoenix	76
09. Osborn Road Storm Drain between 48th Street & 49th Street	Phoenix	65
10. Palm Lane and 30th Street Storm Drain	Phoenix	75
11. 23rd Avenue and Olney Avenue Detention Basin	Phoenix	52
12. 51st Avenue Storm Drain between Olney Avenue & Dobbins Road	Phoenix	59
13. Sherwood Heights Detention Basin	Scottsdale	47
14. Sandflower and 81st Storm Drain	Scottsdale	22
15. Cheery Lynn Storm Drain	Scottsdale	50

San Tan Boulevard at 170th Street – Storm Drain

Town of Gilbert

No.1



— Proposed Storm Drain - - - 10 ft Contour
 Affected Property

Aerial Photography - Fall 2014

1 inch = 300 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	5-year
Number of residential or commercial structures having historically flooded	0
Number of events having caused residential or commercial flooding	3
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	No
Project priority to agency	1
Total project cost	\$75,000
District cost share	\$56,250
Score: 35	

NOT APPROVED

9054 S. Calle Sahuaro (APN 301-12-051)
Town of Guadalupe

No.2



- Proposed Storm Drain - - - 10 ft Contour
- Existing Basin Affected Property

Aerial Photography - Fall 2014

1 inch = 400 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	2-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	none
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	1
Total project cost	\$125,000
District cost share	\$93,750
Score: 44	

APPROVED



- ⊕ Proposed Manhole - - - - - 10 ft Contour
- Proposed Storm Drain Affected Property

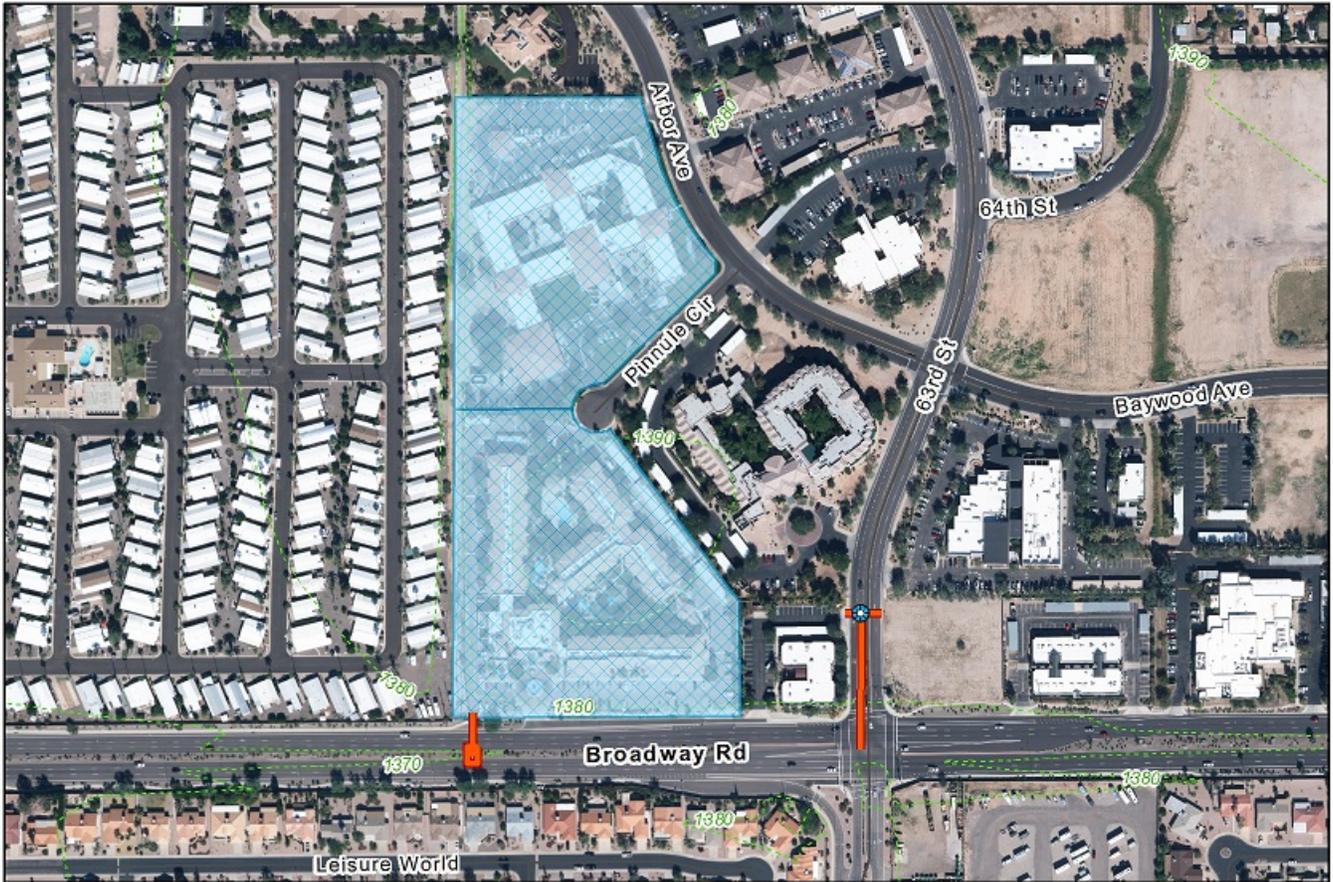
Aerial Photography - Fall 2014

1 inch = 300 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	50-year
Number of residential or commercial structures having historically flooded	4
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	2
Total project cost	\$781,578
District cost share	\$250,000
Score: 42	

Met minimum scoring criteria – project not recommended for implementation due to District budget constraints.



- ⊗ Proposed Manhole
- Proposed Storm Drain
- 10 ft Contour
- Affected Property

Aerial Photography - Fall 2014

1 inch = 300 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	10-year
Number of residential or commercial structures having historically flooded	5
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	0%
Rights-of-way in place	Yes
Project priority to agency	3
Total project cost	\$425,070
District cost share	\$250,000
Score: 67	

APPROVED



- ⊗ Proposed Manhole - - - - - 10 ft Contour
- Proposed Storm Drain Affected Property

Aerial Photography - Fall 2014

1 inch = 200 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	>50 year
Number of residential or commercial structures having historically flooded	6
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	0%
Rights-of-way in place	No
Project priority to agency	5
Total project cost	\$267,150
District cost share	\$200,362.50
Score: 36	

NOT APPROVED

Extension Road and 2nd Avenue City of Mesa

No.6



- Proposed Manhole
- Proposed Storm Drain
- 10 ft Contour
- Affected Property

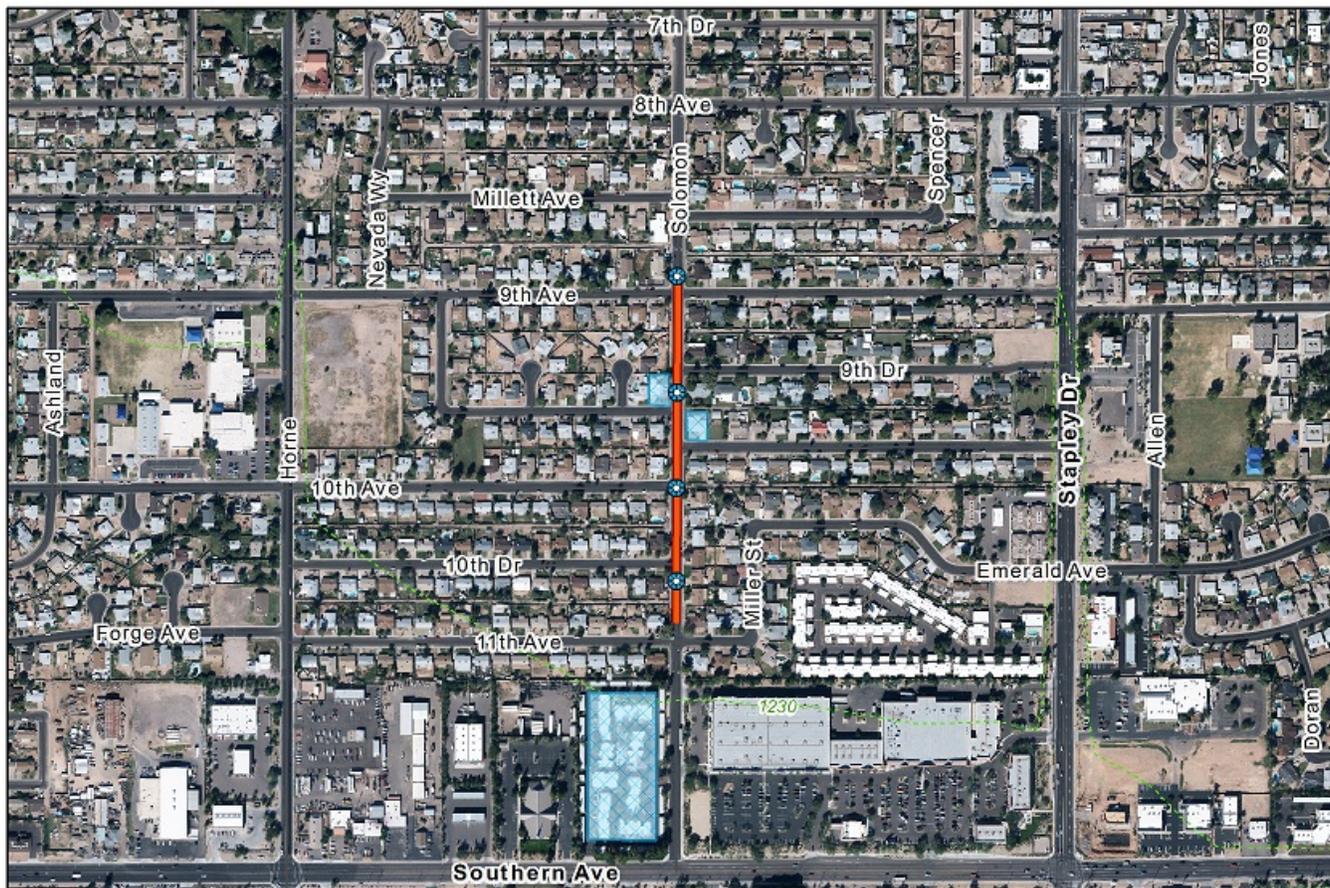
Aerial Photography - Fall 2014

1 inch = 350 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	5-year
Number of residential or commercial structures having historically flooded	2
Number of events having caused residential or commercial flooding	4
Smallest storm event having caused roadway or access closures	2-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	1
Total project cost	\$545,820
District cost share	\$250,000
Score: 69	

APPROVED



- Proposed Manhole
- Proposed Storm Drain
- - - 10 ft Contour
- Affected Property

Aerial Photography - Fall 2014

1 inch = 550 feet

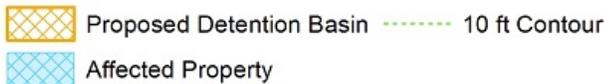
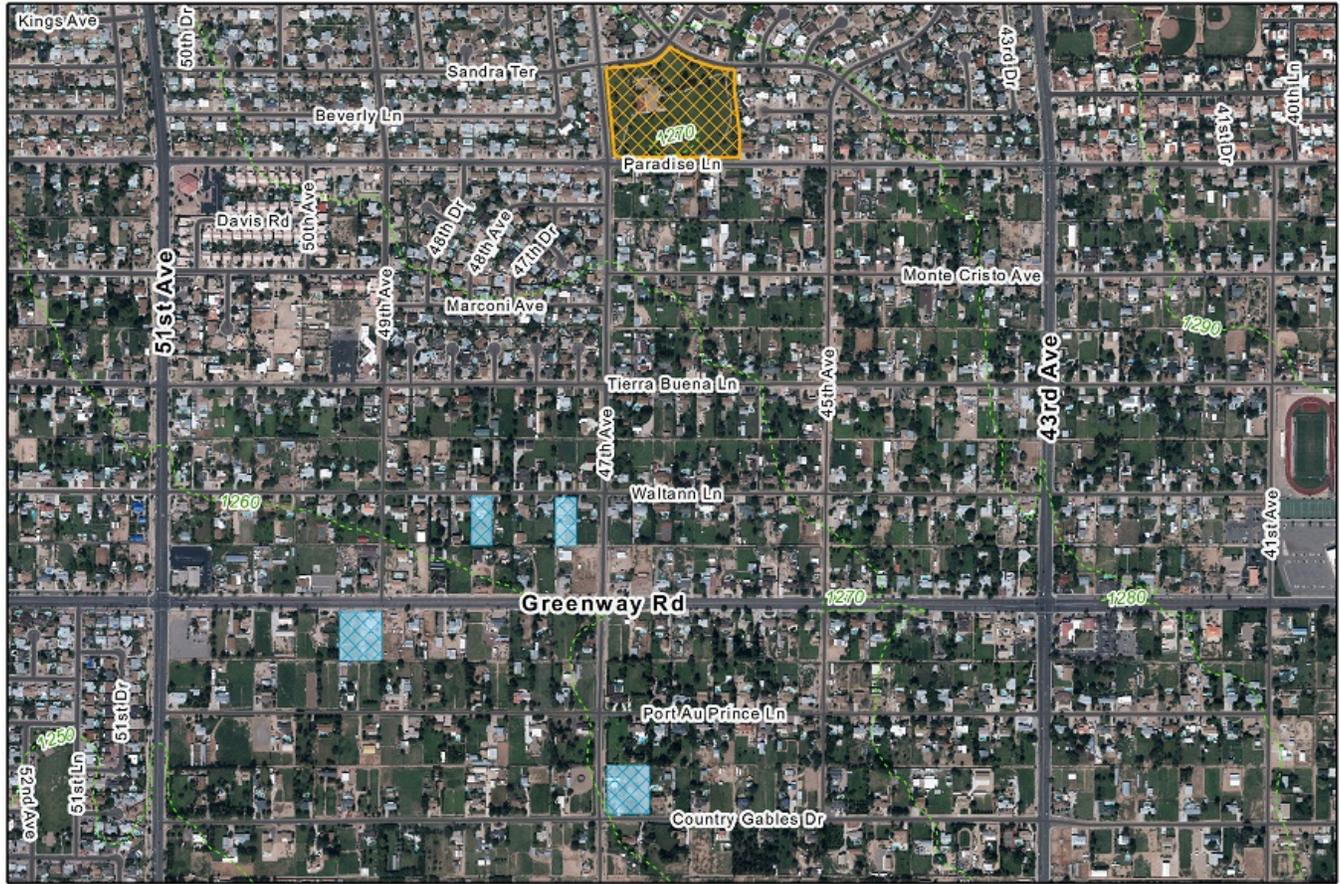


Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	5-year
Number of residential or commercial structures having historically flooded	5
Number of events having caused residential or commercial flooding	2
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	4
Total project cost	\$419,400
District cost share	\$250,000
Score: 71	

APPROVED

47th Avenue and Paradise Lane Detention Basin City of Phoenix

No.8



Aerial Photography - Fall 2014

1 inch = 950 feet

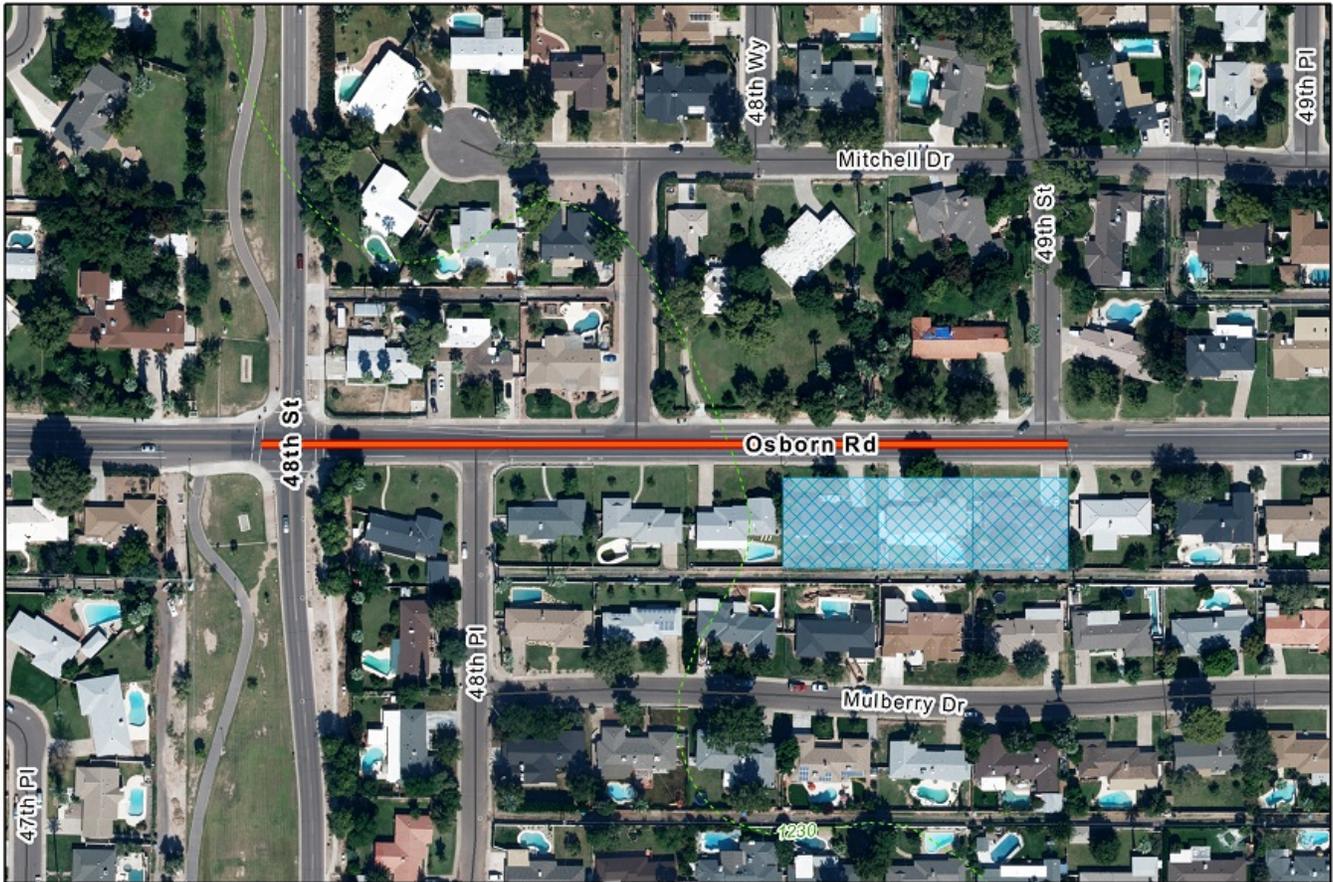


Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	2-year
Number of residential or commercial structures having historically flooded	4
Number of events having caused residential or commercial flooding	4
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	1
Total project cost	\$600,000
District cost share	\$250,000
Score: 76	

APPROVED

Osborn Road Storm Drain between 48th St. and 49th St. City of Phoenix

No.9



— Proposed Storm Drain - - - - - 10 ft Contour

▨ Affected Property

Aerial Photography - Fall 2014

1 inch = 175 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	2-year
Number of residential or commercial structures having historically flooded	3
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	0%
Rights-of-way in place	Yes
Project priority to agency	3
Total project cost	\$400,000
District cost share	\$250,000

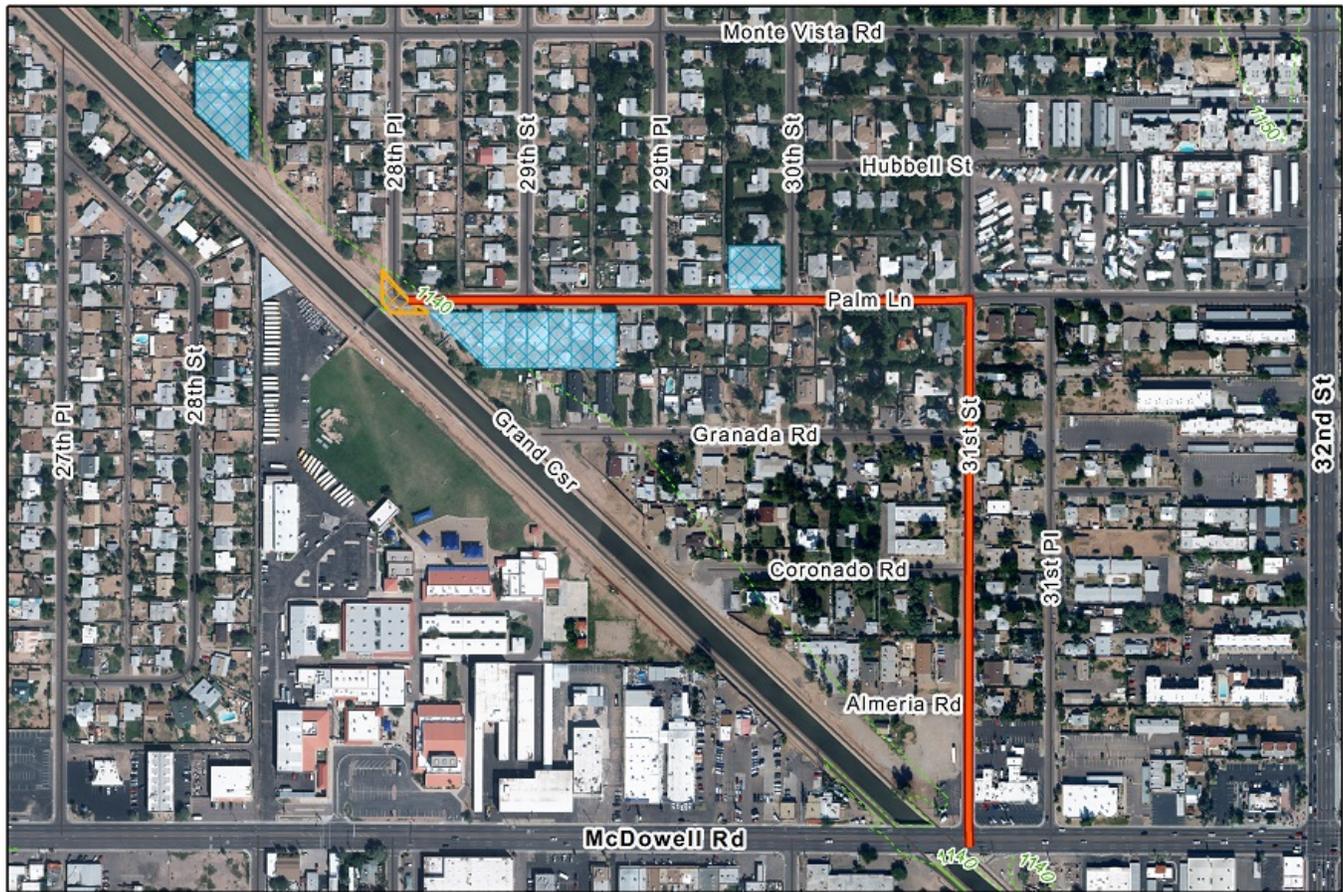
Score: 65

APPROVED

Palm Lane and 30th Street Storm Drain

City of Phoenix

No.10



- Proposed Storm Drain
- Affected Property
- Proposed Detention Basin
- 10 ft Contour

Aerial Photography - Fall 2014

1 inch = 400 feet

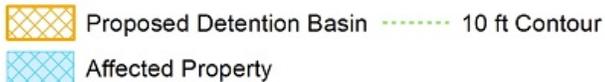


Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	2-year
Number of residential or commercial structures having historically flooded	10
Number of events having caused residential or commercial flooding	5
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	3
Total project cost	\$700,000
District cost share	\$250,000
Score: 75	

Met minimum scoring criteria – project not recommended for implementation due to District budget constraints.

23rd Avenue and Olney Avenue Detention Basin City of Phoenix

No.11



Aerial Photography - Fall 2014

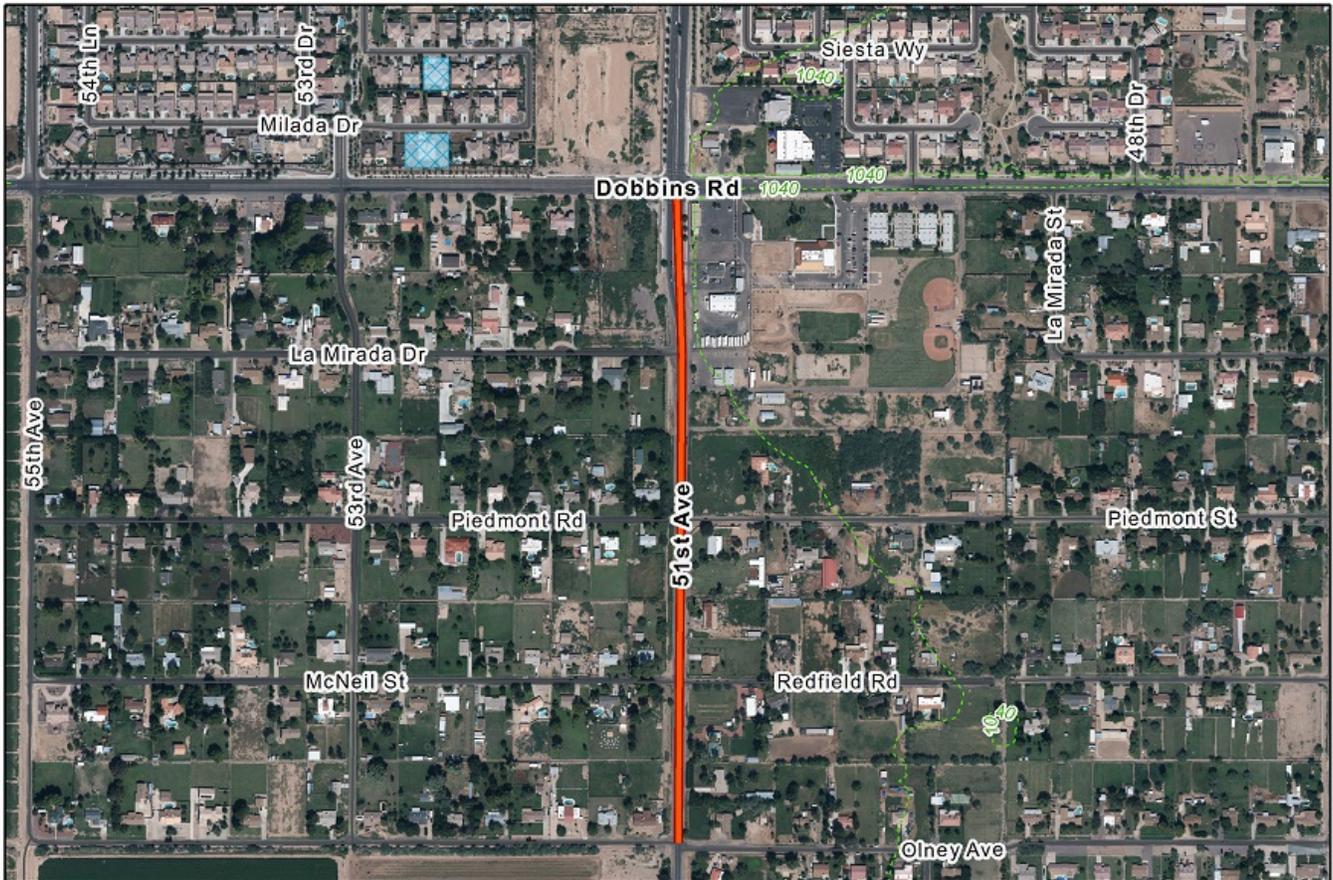
1 inch = 575 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	10-year
Number of residential or commercial structures having historically flooded	21
Number of events having caused residential or commercial flooding	2
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	No
Project priority to agency	4
Total project cost	\$700,000
District cost share	\$250,000
Score: 52	

Met minimum scoring criteria – project not recommended for implementation due to District budget constraints.

51st Avenue Storm Drain between Olney Avenue & Dobbins No.12 City of Phoenix



— Proposed Storm Drain ⋯ 10 ft Contour
 Affected Property

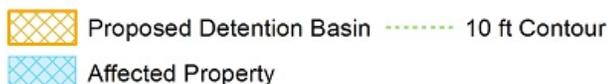
Aerial Photography - Fall 2014

1 inch = 640 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	5-year
Number of residential or commercial structures having historically flooded	2
Number of events having caused residential or commercial flooding	3
Smallest storm event having caused roadway or access closures	5-year
Municipal commitment to completing design	Yes
Percent design complete to date	0%
Rights-of-way in place	Yes
Project priority to agency	5
Total project cost	\$700,000
District cost share	\$250,000
Score: 59	

APPROVED



Aerial Photography - Fall 2014

1 inch = 300 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	2-year
Number of residential or commercial structures having historically flooded	3
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	0%
Rights-of-way in place	No
Project priority to agency	1
Total project cost	\$230,000
District cost share	\$172,500
Score: 47	

APPROVED



— Proposed Storm Drain - - - 10 ft Contour
 Affected Property

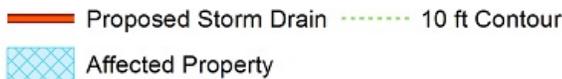
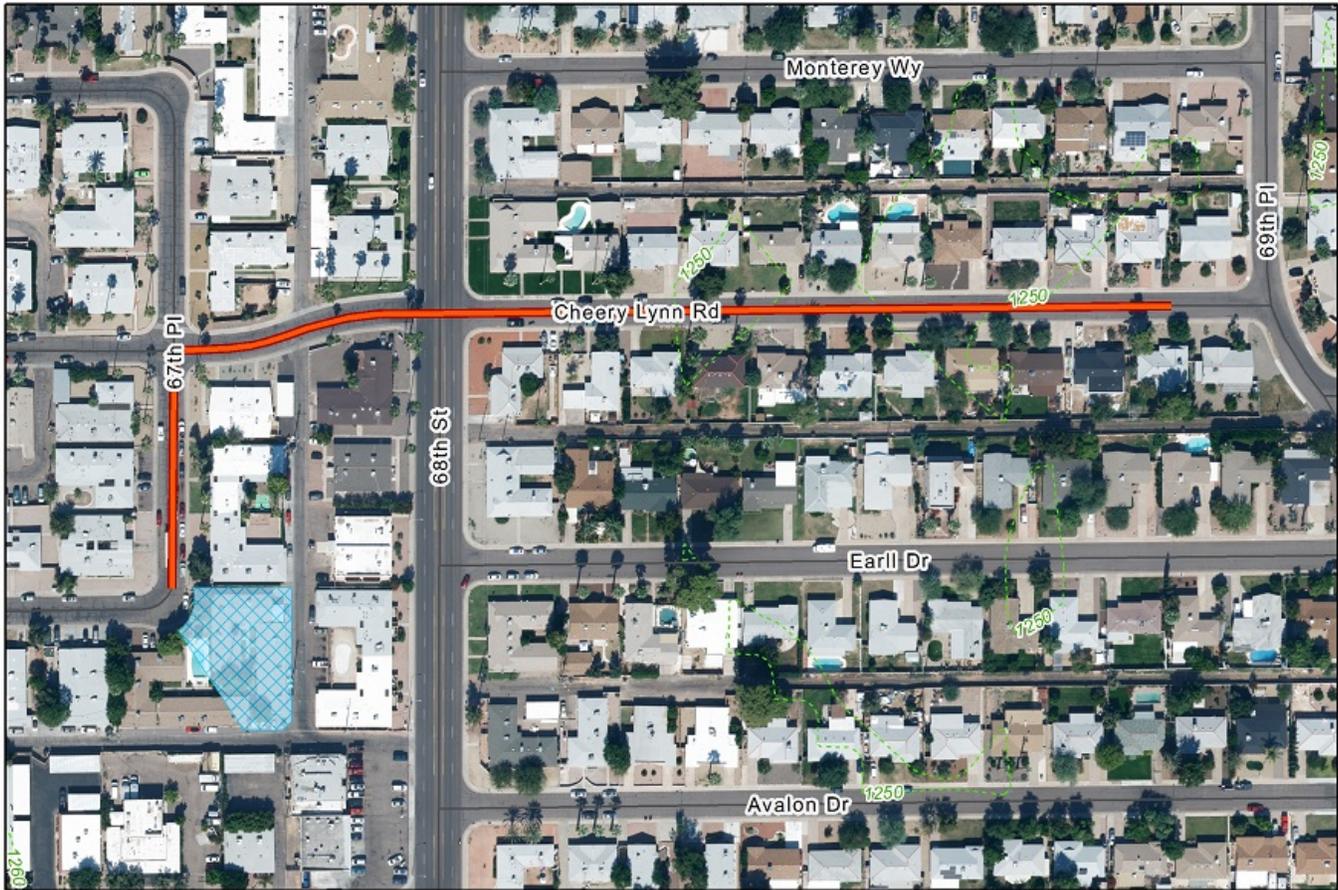
Aerial Photography - Fall 2014

1 inch = 175 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	50-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	0%
Rights-of-way in place	No
Project priority to agency	2
Total project cost	\$230,000
District cost share	\$172,500
Score: 22	

NOT APPROVED



Aerial Photography - Fall 2013

1 inch = 175 feet



Project Evaluation Category	Response
Smallest storm event having caused residential or commercial flooding	10-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	None
Municipal commitment to completing design	Yes
Percent design complete to date	100%
Rights-of-way in place	Yes
Project priority to agency	3
Total project cost	\$175,000
District cost share	\$131,250
Score: 50	

Met minimum scoring criteria – project not recommended for implementation due to District budget constraints.