

# TOWN OF PARADISE VALLEY

## MARICOPA COUNTY FLOOD CONTROL DISTRICT

### SMALL PROJECT ASSISTANCE PROGRAM

December 3, 2020



1

## AGENDA

2

### Agenda

1. Miscellaneous Drainage Improvements
2. MCFCD Small Project Assistance Program
3. Desert Crest Drive Improvements
4. 54<sup>th</sup> Street & Solano Drive Improvements
5. Next Steps



2

## MISCELLANEOUS DRAINAGE IMPROVEMENTS <sup>3</sup>

Capital Improvement Project to provide drainage improvements at various locations to:

- Prevent ongoing maintenance by Public Works
- Minimize potential residential flooding
- Pursue County Flood Control District Small Project Assistance Program funding

FY21 Design/Construction	\$50,000
FY21 Contingency	\$150,000 (if available)
FY22 Design/Construction:	\$200,000
FY23 Design & Construction	\$200,000



56<sup>th</sup> Street south of Cherokee Wash



3

## SMALL PROJECT ASSISTANCE PROGRAM <sup>4</sup>

Maricopa County Flood Control District program to:

- Provide financial assistance through intergovernmental agreements (IGAs) to municipalities to implement small local flood hazard mitigation capital projects based on funding availability;
- Limit contributions to 75% of project design and construction costs not to exceed \$500,000 per project;
- Present standard IGAs with Agencies to the Board for ratification and approval.

Submitting municipalities are solely responsible for rights-of-way/easement acquisition, utility relocation, construction management, operations and maintenance, and are responsible for construction costs in excess of the Flood Control District's contribution limit.

Reimbursements for approved projects must be made no later than June 30, 2023.



4



## DESERT CREST DR. AREA MAP

5



5

## DESERT CREST DR. STORM WATER FLOWS

6



- 18 Acre Drainage Area
- Low Flow Crossing
- 84 CFS Crossing Roadway
- Public Works Clean Up "Hot Spot" Area

6

## DESERT CREST DR. EXISTING CONDITIONS

7



Desert Crest Dr. Looking West (Upstream)



7

## DESERT CREST DR. EXISTING CONDITIONS

8



Desert Crest Dr. Looking East (Downstream)

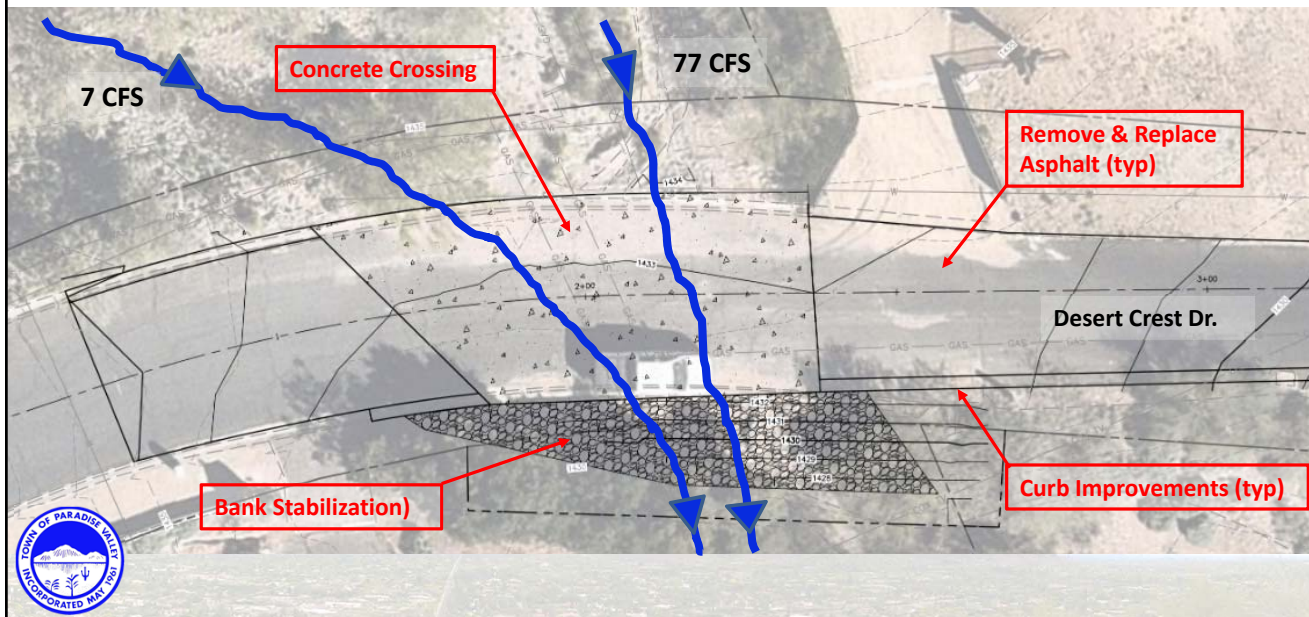


8



## DESERT CREST DR. IMPROVEMENTS

9



9

## DESERT CREST DR. IMPROVEMENTS

10

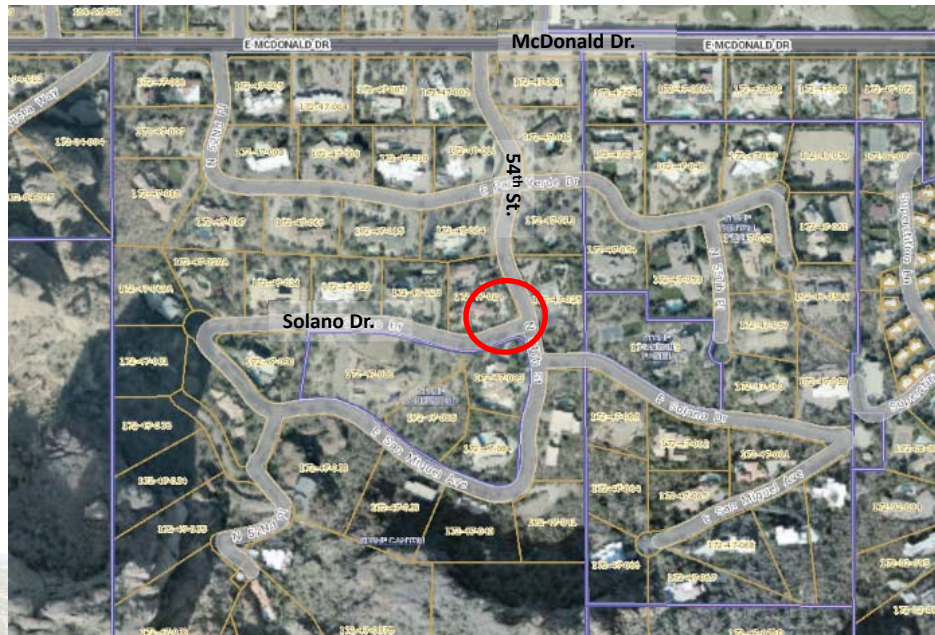
- MCFCF Small Project Assistance Program application approved
- \$100,000 design & construction estimate
- \$75,000 MCFCF funding
- \$25,000 Town funding
- MCFCF to provide IGA to Town by end of December
- Proposed project schedule & anticipated invoicing to MCFCF by January 4, 2021



10

## 54<sup>TH</sup> ST. & SOLANO DR. AREA MAP

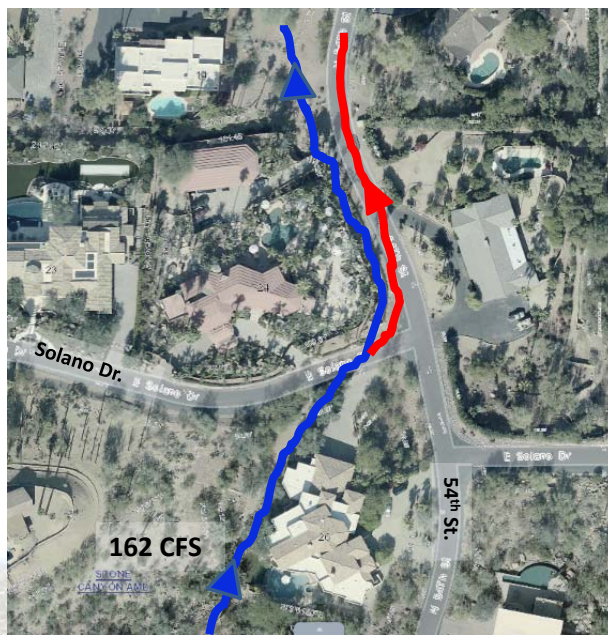
11



11

## 54<sup>TH</sup> ST. & SOLANO DR. STORM WATER FLOWS

12



- Cudia City Wash Study High Hazard Area
- 42 Acre Drainage Area
- Low Flow Crossing
- 162 CFS Crosses Roadway
- Significant "Break Out" Flow Onto 54<sup>th</sup> St.
- Public Works Clean Up "Hot Spot" Area

12



## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT VIDEO

13



13

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT VIDEO

14



14

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

15



54<sup>th</sup> St. & Solano Dr. – 10/2/18

15

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

16



54<sup>th</sup> St. & Solano Dr. – 10/2/18

16



## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

17



54<sup>th</sup> St. & Solano Dr. after rain event – 9/24/19

17

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

18



54<sup>th</sup> St. & Solano Dr. after rain event – 9/24/19

18

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

19



54<sup>th</sup> St. & Solano Dr. cleanup after rain event – 12/9/19

19

## 54<sup>TH</sup> ST. & SOLANO DR. RAIN EVENT

20

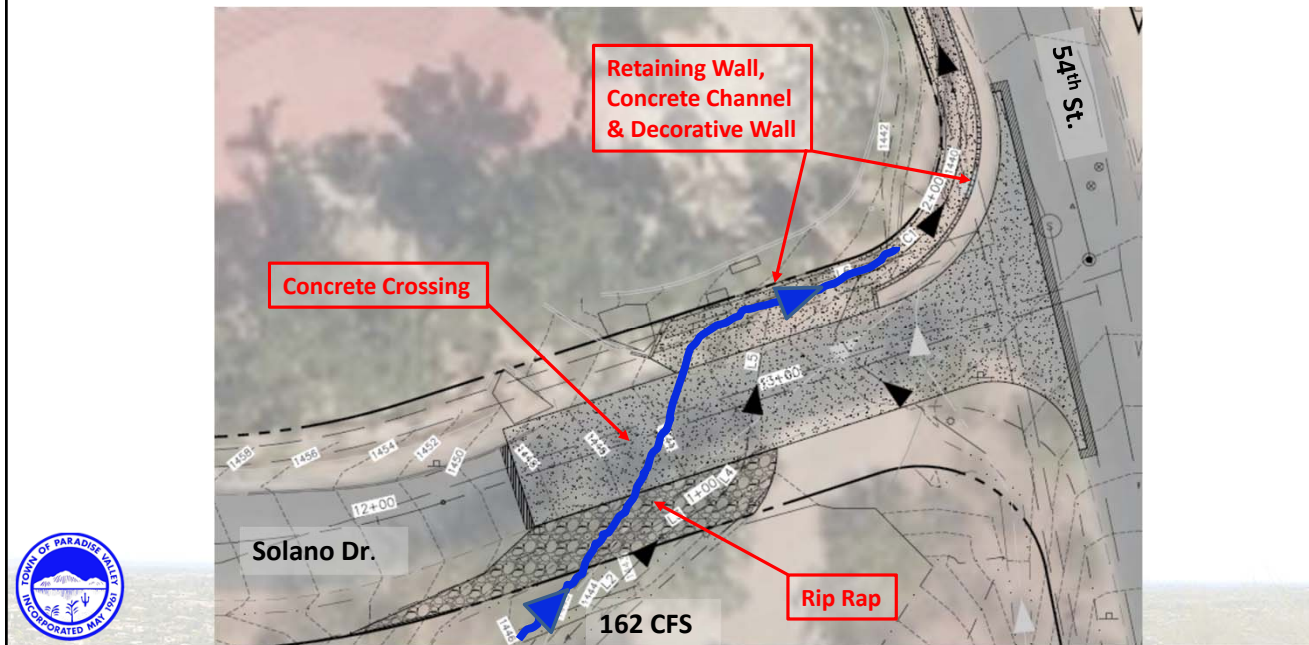


54<sup>th</sup> St. looking north after rain event – 12/9/19

20

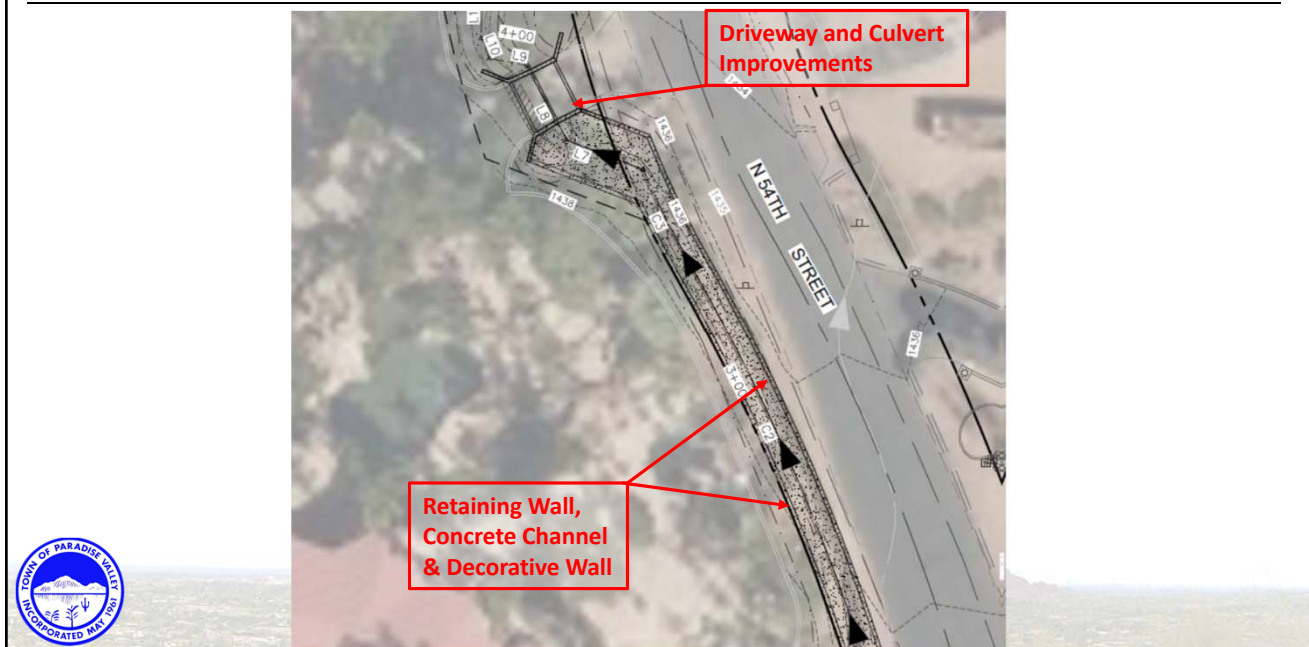


## 54<sup>TH</sup> ST. & SOLANO DR. IMPROVEMENTS



21

## 54<sup>TH</sup> ST. & SOLANO DR. IMPROVEMENTS



22

## 54<sup>TH</sup> ST. AND SOLANO DR. IMPROVEMENTS <sup>23</sup>

- MCFCFD Small Project Assistance Program application approved
- \$617,445 design & construction estimate
- \$463,084 MCFCFD funding
- \$154,361 Town funding
- MCFCFD to provide standard IGA to Town by end of December
- Proposed project schedule & anticipated invoicing to MCFCFD by January 4, 2021



23

## NEXT STEPS <sup>24</sup>

- Does Council want to move forward with the Desert Crest Dr. improvements?
- Does Council want to move forward with the 54<sup>th</sup> St. and Solano Dr. improvements?
- Staff to work with Finance Department on funding and project timing.
- Staff to work with Flood Control District on preparation of standard IGAs for Flood Control Board of Directors & Town Council approval.
- Staff to provide Flood Control District with proposed project schedule & anticipated invoicing schedule.



24



25

# QUESTIONS?



25