

TOWN OF PARADISE VALLEY

MARICOPA COUNTY FLOOD CONTROL DISTRICT SMALL PROJECT ASSISTANCE PROGRAM

December 3, 2020



AGENDA

Agenda

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



MISCELLANEOUS DRAINAGE IMPROVEMENTS

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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



56th Street south of Cherokee Wash



SMALL PROJECT ASSISTANCE PROGRAM

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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.



DESERT CREST DR. AREA MAP



DESERT CREST DR. STORM WATER FLOWS



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

DESERT CREST DR. EXISTING CONDITIONS

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Desert Crest Dr. Looking West (Upstream)



DESERT CREST DR. EXISTING CONDITIONS

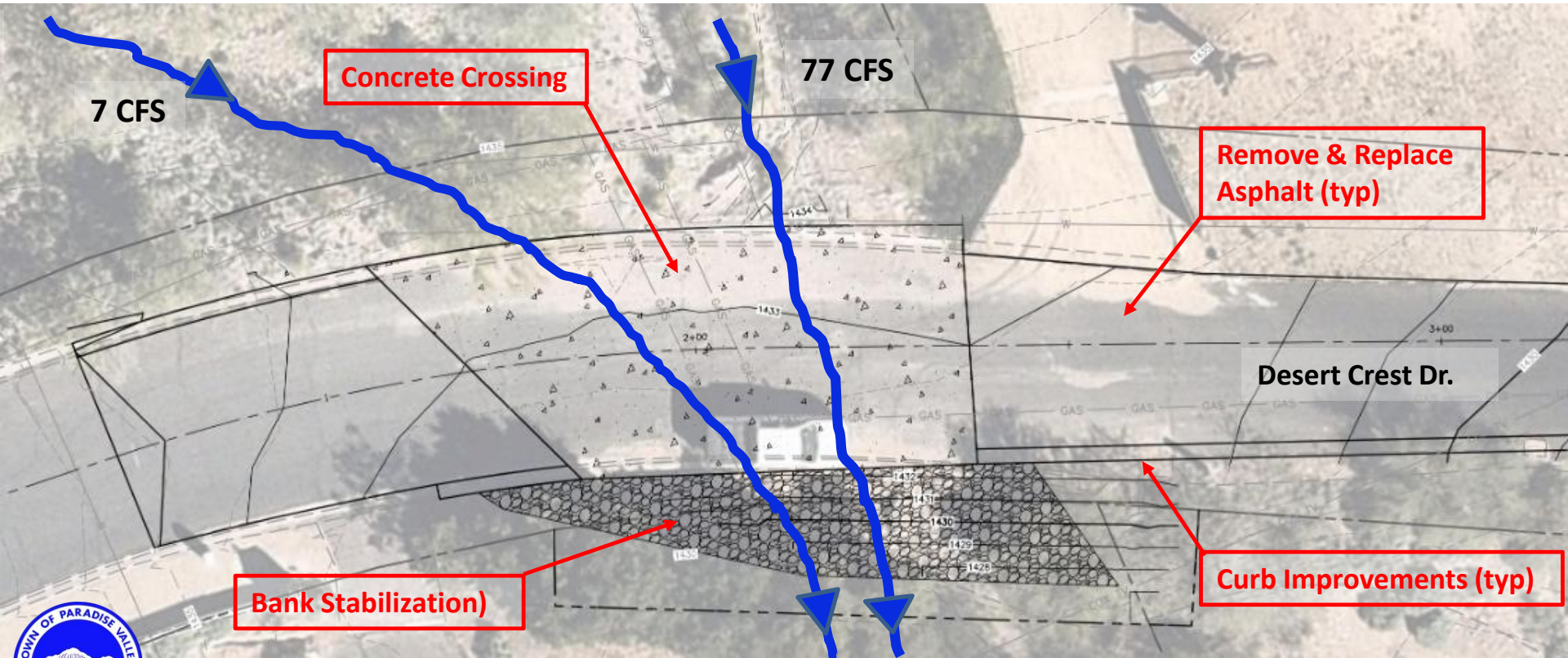
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Desert Crest Dr. Looking East (Downstream)



DESERT CREST DR. IMPROVEMENTS



DESERT CREST DR. IMPROVEMENTS

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



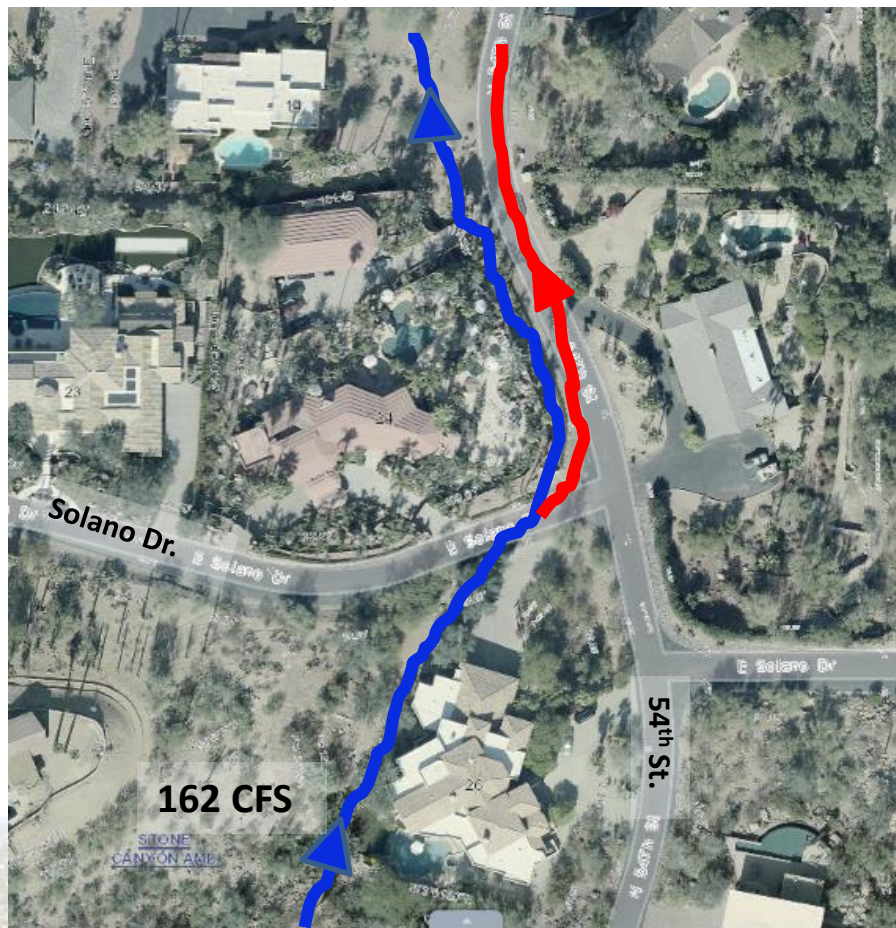
54TH ST. & SOLANO DR. AREA MAP

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54TH ST. & SOLANO DR. STORM WATER FLOWS

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



54TH ST. & SOLANO DR. RAIN EVENT VIDEO

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54TH ST. & SOLANO DR. RAIN EVENT VIDEO

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54TH ST. & SOLANO DR. RAIN EVENT

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54th St. & Solano Dr. – 10/2/18



54TH ST. & SOLANO DR. RAIN EVENT

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54th St. & Solano Dr. – 10/2/18



54TH ST. & SOLANO DR. RAIN EVENT

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



54TH ST. & SOLANO DR. RAIN EVENT

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



54TH ST. & SOLANO DR. RAIN EVENT

19



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



54TH ST. & SOLANO DR. RAIN EVENT

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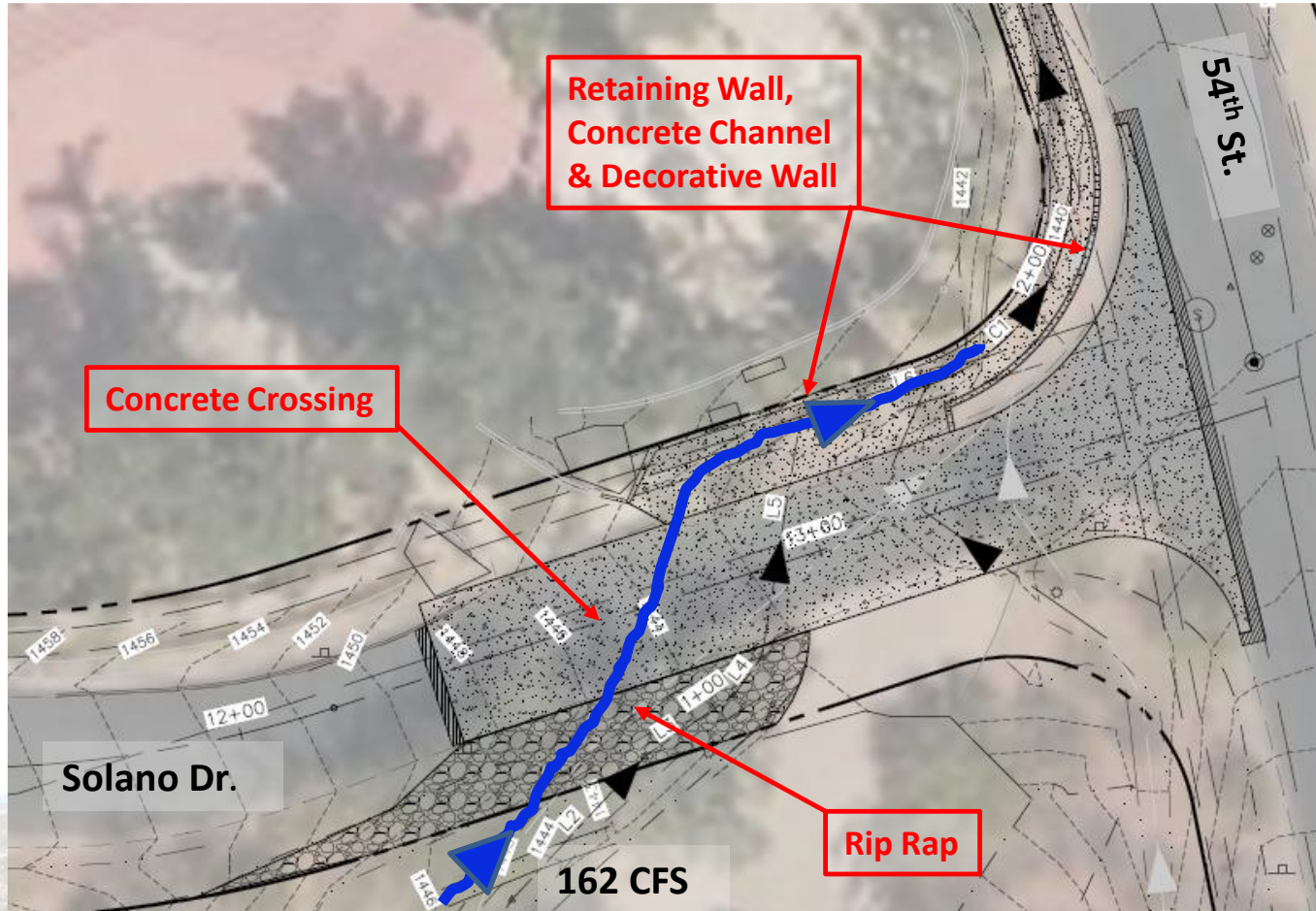


54th St. looking north after rain event – 12/9/19



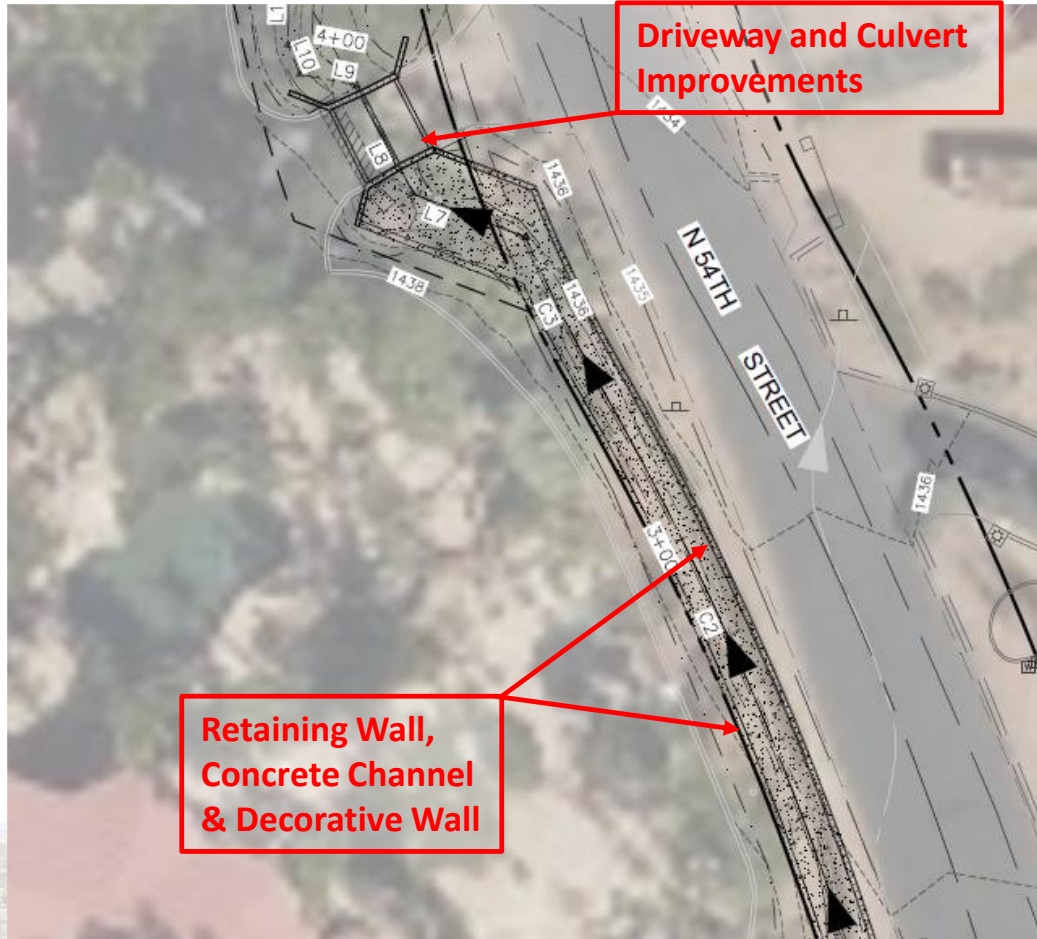
54TH ST. & SOLANO DR. IMPROVEMENTS

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54TH ST. & SOLANO DR. IMPROVEMENTS

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54TH ST. AND SOLANO DR. IMPROVEMENTS

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



NEXT STEPS

- Does Council want to move forward with the Desert Crest Dr. improvements?
- Does Council want to move forward with the 54th 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.



QUESTIONS?

