



Rawhide Wash Flood Hazard Mitigation Project FCD 2018C015, COS 284-PA-2019

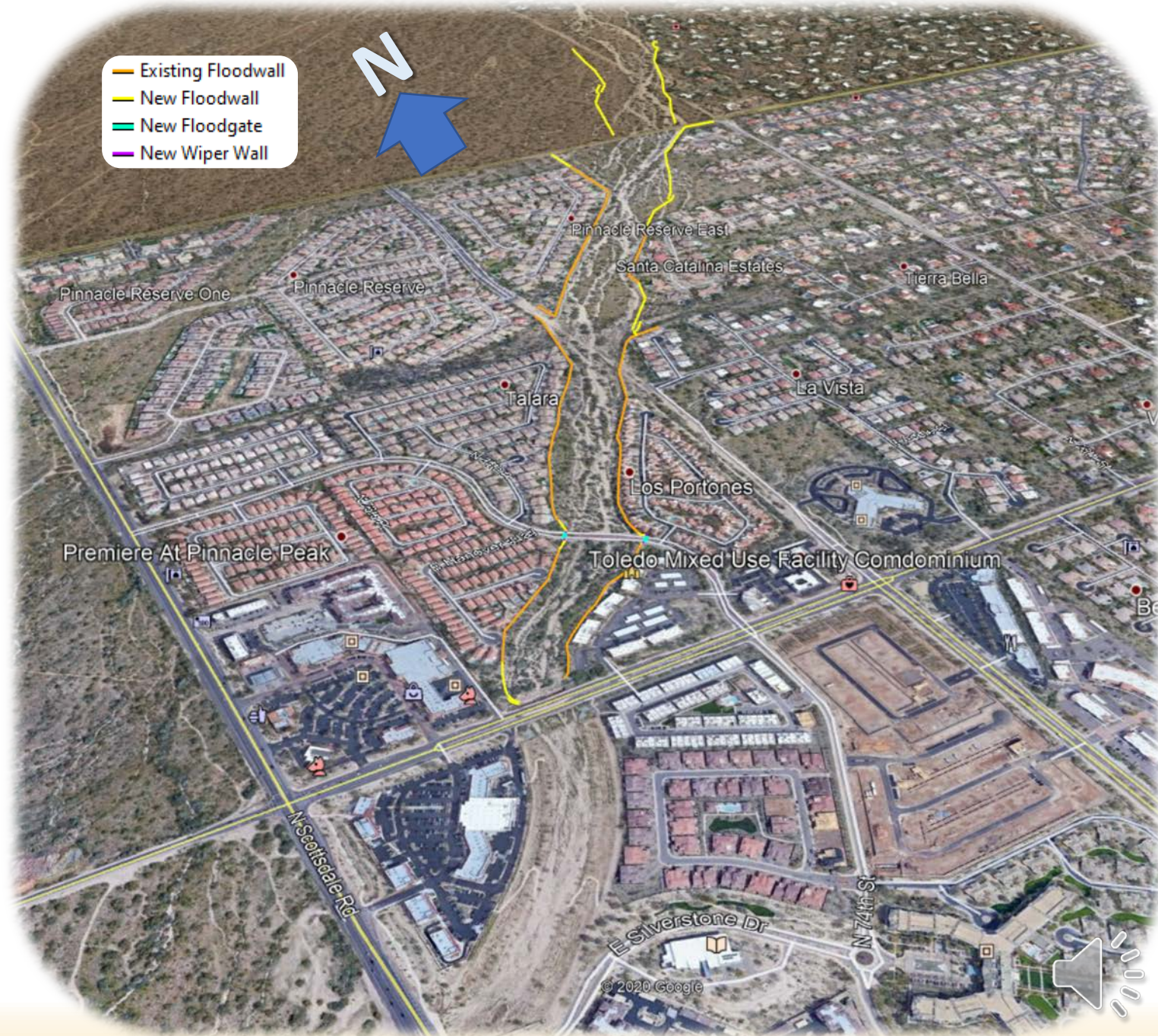


Virtual Public Meeting / Open House
January 18 – January 29, 2021



VPM AGENDA

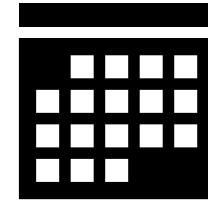
- VPM overview
- Project team introduction
- Project background
- Why this project? Goals and benefits
- Key design elements
- Landscaping & aesthetics
- Construction
- Schedule
- Closing remarks



VIRTUAL PUBLIC MEETING OVERVIEW

SCHEDULE

- Official duration and comment period: January 18 to January 29, 2021
- Media links will remain active during project



SHARED MEDIA (Web Accessible at: <http://maricopa.gov/rawhidewash>)

4 Separate Presentation Videos (*.mp4)

- Main Presentation
- Project Design Details
- Landscape / Aesthetics Details
- Construction Manager at Risk



Downloadable Materials (*.pdf)



MEET THE TEAM

NAZAR NABATY, PE RAY DOVALINA, PE ASHLEY COUCH, PE SCOTT OGDEN, PE JEREMIAH HANCOCK

Project Manager
Flood Control District of
Maricopa County

Assistant Public
Works Director /
Floodplain
Administrator
City of Phoenix

Drainage and Flood
Control Program
Manager and
Floodplain
Administrator
City of Scottsdale

Project Manager
Prime Consultant
JE Fuller

Construction Manger
Rummel Construction



CONTACT INFORMATION

PRIMARY POINT OF CONTACT

Jesus Murillo – Senior Planner

City of Scottsdale

Planning and Development Services

Phone: 480-312-7849

Email: JMurillo@ScottsdaleAz.gov



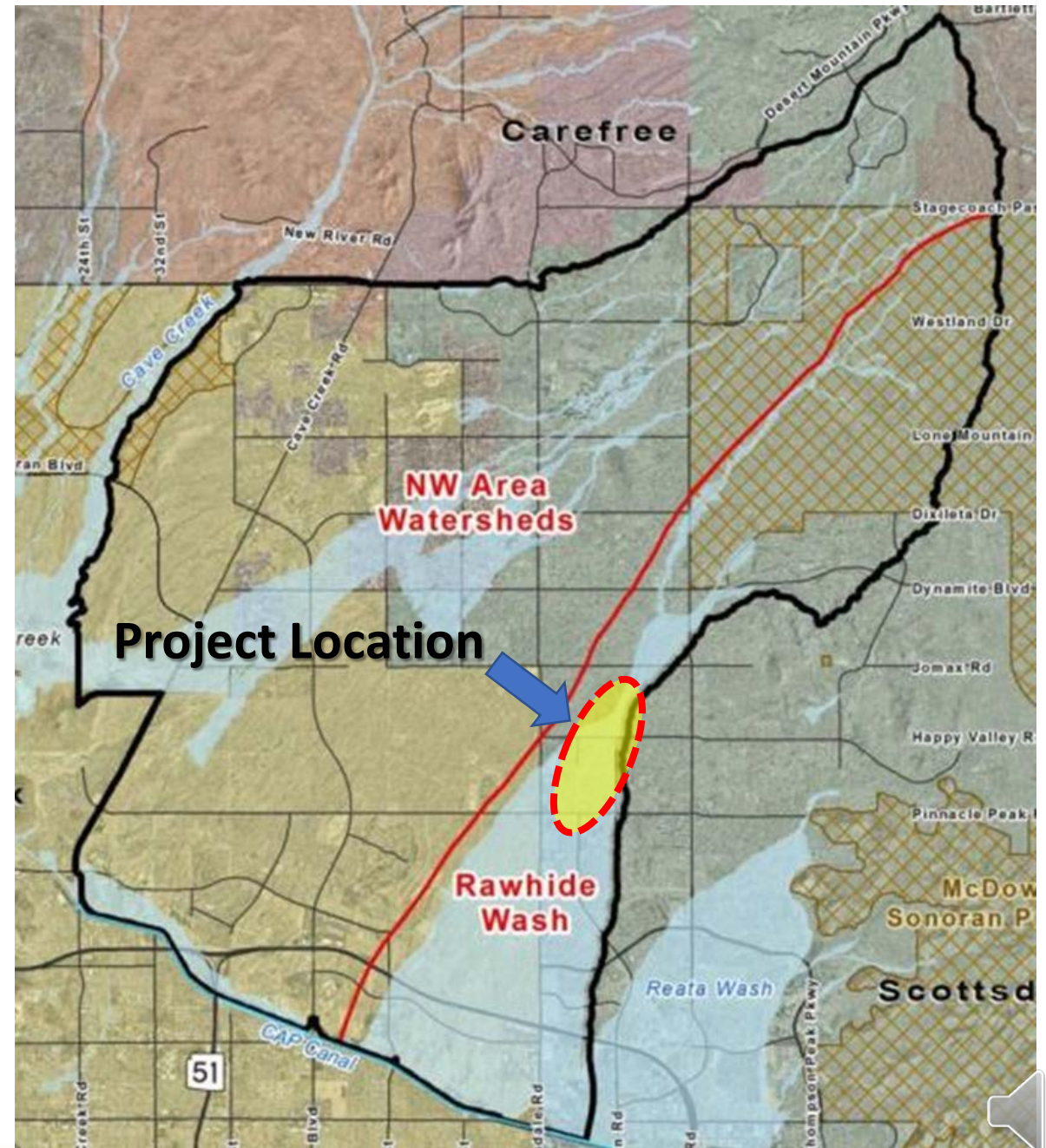
Jesus' Role:

- Primary Point of Contact for Virtual Public Meeting (VPM) participants
- Ensure all questions and comments are conveyed to Project Team



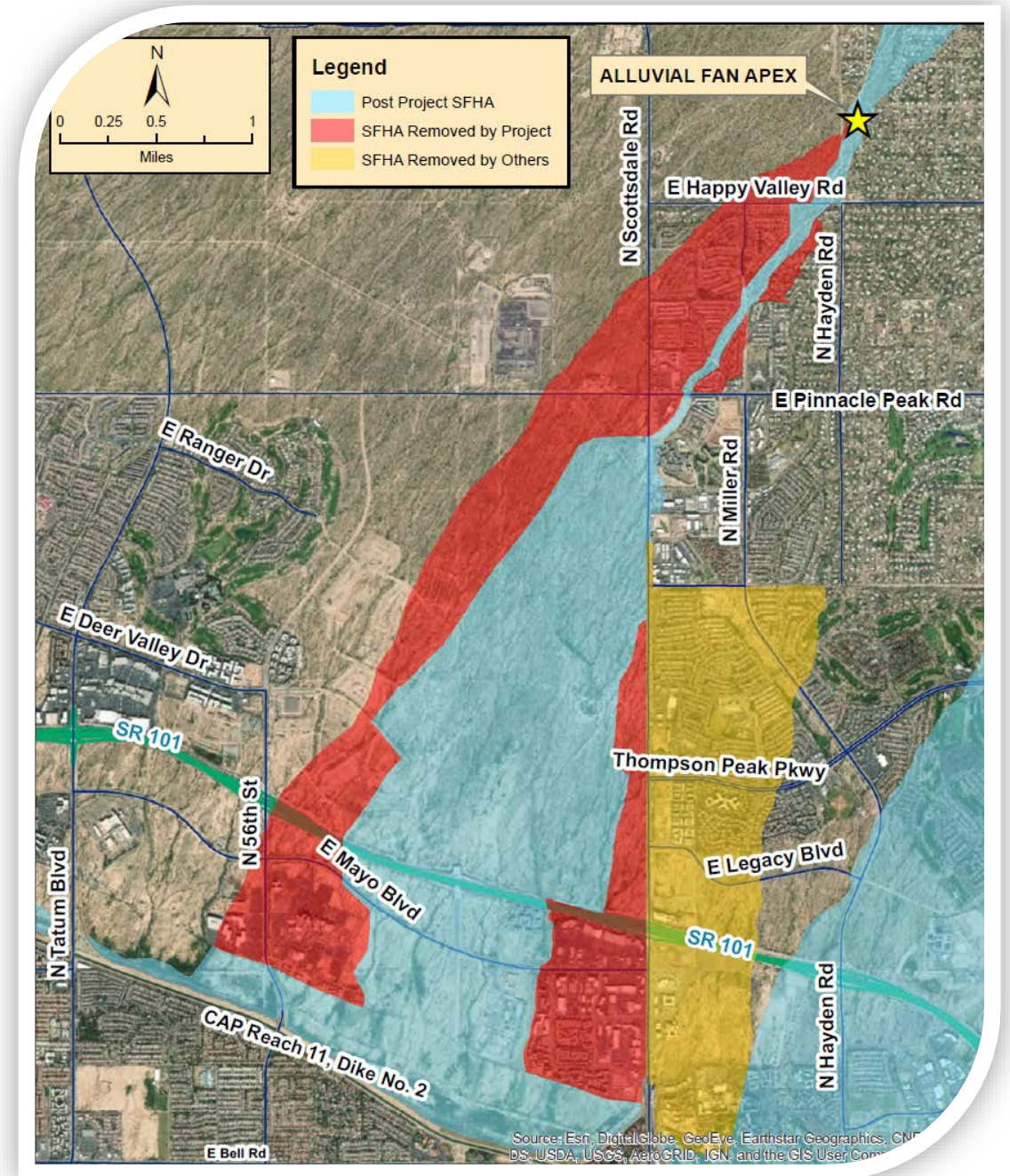
PROJECT BACKGROUND

- Identified in the Pinnacle Peak West Area Drainage Master Study (PPW-ADMS)
 - Completed in June 2016
 - Jurisdiction: 46% in Scottsdale, 45% in Phoenix and 8% in Unincorporated Maricopa County
- PPW Focus Areas:
 - Flood hazard identification
 - Flood risk reduction through mitigation
 - Revision of flood zones from alluvial fan to riverine
- Rawhide Wash Conveyance Alternative
 - Control apex and remove flowpath uncertainty
 - Convey full flow in a natural corridor and bracket with levees for containment



PROJECT BACKGROUND

- The construction project is within the City of Scottsdale Jurisdiction
- Affected Federal Emergency Management Agency (FEMA) floodplain is within the City of Scottsdale and the City of Phoenix
- The project will remove 1,873 acres of land from the floodplain (1,438 in Phoenix, 435 in Scottsdale)
- The project is designed to mitigate the 1% annual chance of exceedance (100-year) flood event.



PROJECT BACKGROUND

- Estimated cost for design, utility relocations, rights-of-way acquisitions, construction and construction management = \$16.5M
- Project Cost share:
 - Flood Control District 50%
 - City of Phoenix 40%
 - City of Scottsdale 10%
- The District is lead agency for design and construction of the project



PROJECT AUTHORIZATIONS



- April 11, 2018, Resolution FCD 2018R005 authorized the District to develop the intergovernmental agreements (IGAs)
- January 16, 2019, IGA FCD 2018A013 among the Flood Control District, the City of Phoenix and the City of Scottsdale authorized design, rights-of-way acquisition, and utility relocations
- March 20, 2020, IGA FCD 2019A009 among the Flood Control District, the City of Phoenix and the City of Scottsdale authorized construction, construction management, and Operation and Maintenance
- March 25, 2020, contract FCD 2019C024 awarded for Construction Manager At Risk (CMAR) to Rummel Construction, Inc.



Why This Project?

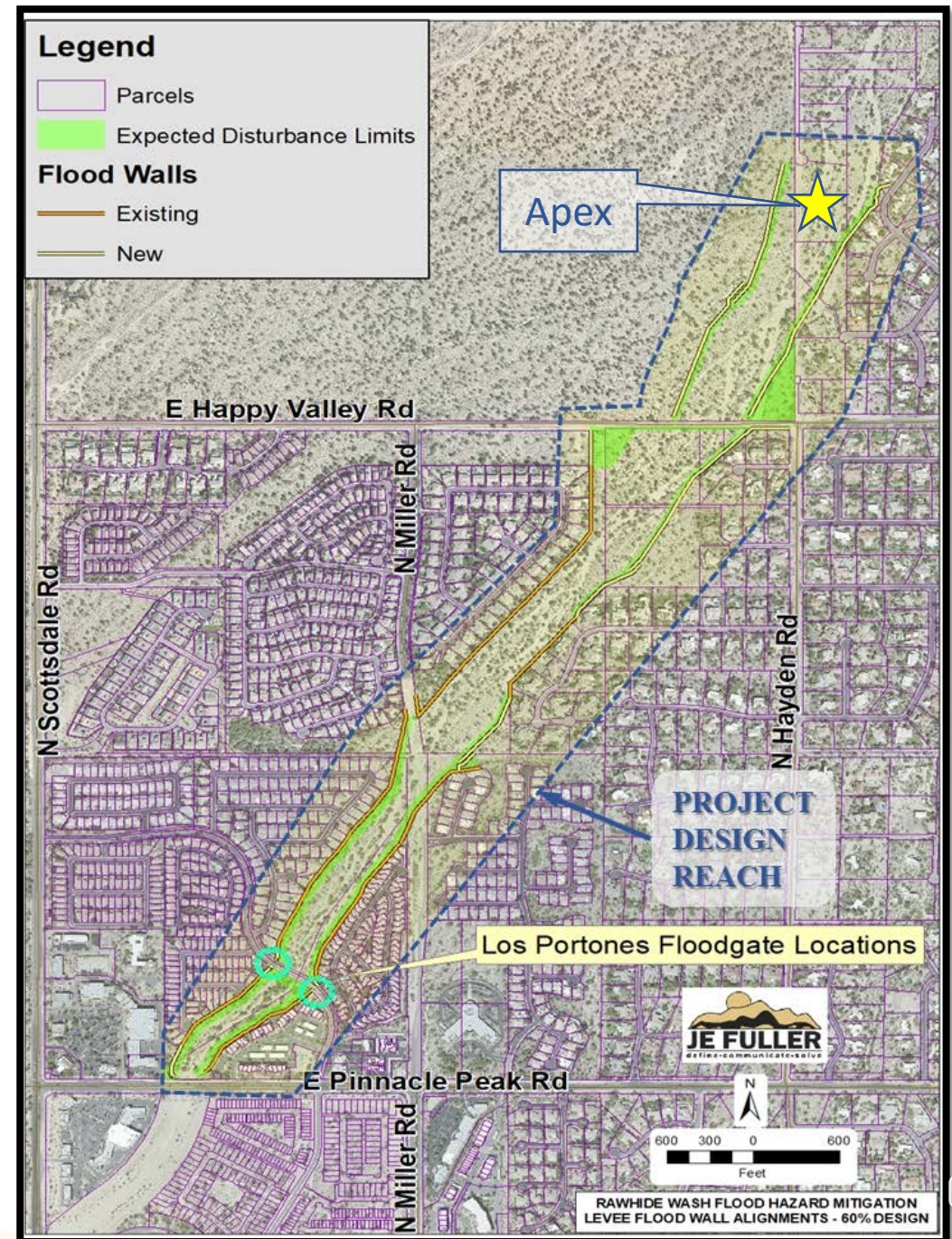
Goals/Benefits

- Provides 100-year flood protection for more than more than 850 homes and buildings currently at risk
- Floodplain reduction
 - Flood insurance no longer mandatory for mortgage holders
- Reduced cost for downstream drainage infrastructure
 - Flow will be delivered to one point—the existing Scottsdale Road bridge over Rawhide Wash, designed to handle the entire flow



KEY DESIGN ELEMENTS

- New floodwalls to capture apex and direct 100-year flow to stay within floodwall/levee system
- Improve the existing floodwalls to meet FEMA levee standards
- Access for people and wildlife will be maintained
- Aesthetics for structures and native plant avoidance and/or salvage
- Interior drainage is addressed
- Improved crossing at Los Portones Drive
- Designed to meet FEMA standards, and a CLOMR/LOMR will be prepared to remap the floodplain



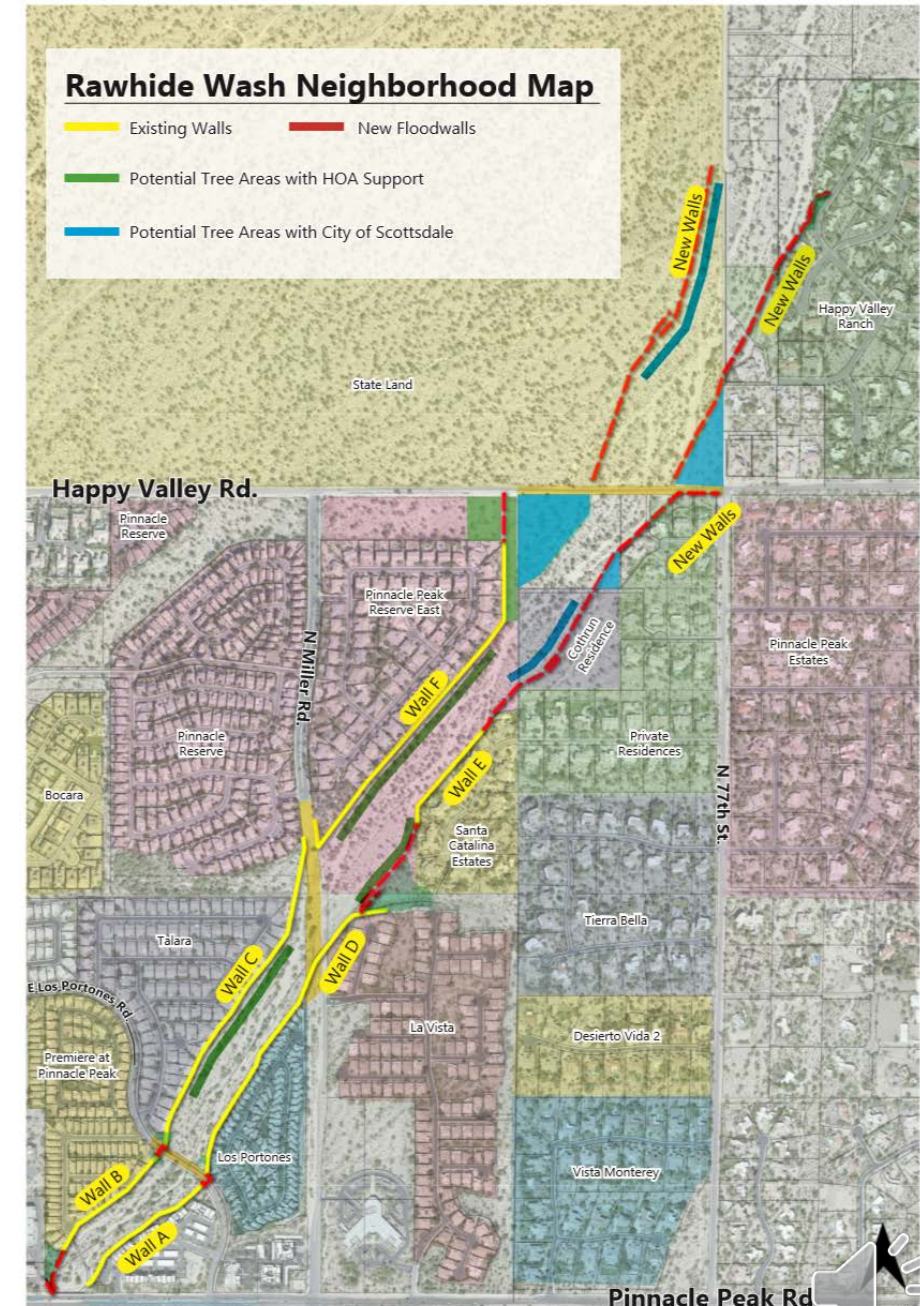
FLOOD WALL AESTHETICS

- Flood walls have been identified with a proposed wall modification, a replacement or a new wall addition.
- Existing walls to be modified or replaced will match existing wall finish and colors.
- New wall options include painted stucco or mortar-wash slump block.

 **Wall A**
Increase Wall Height

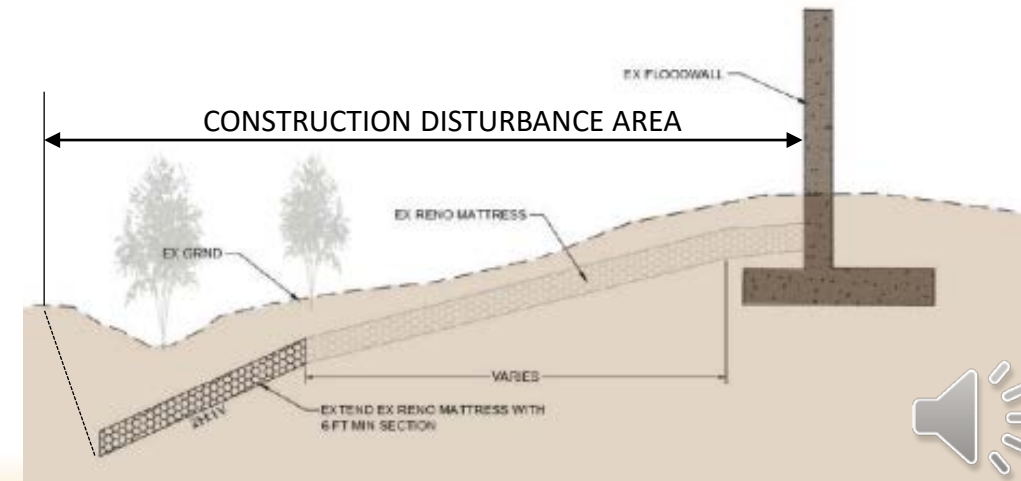


 **Walls B and F**
Increase Wall Height



DISTURBANCE AREAS TREE & CACTUS SALVAGE

- The project will meet the City of Scottsdale's native plant inventory and native plant salvage requirements, including trees and cacti.
- Native plants will be salvaged from the construction disturbance area and stored in a project nursery.



LANDSCAPE RESTORATION

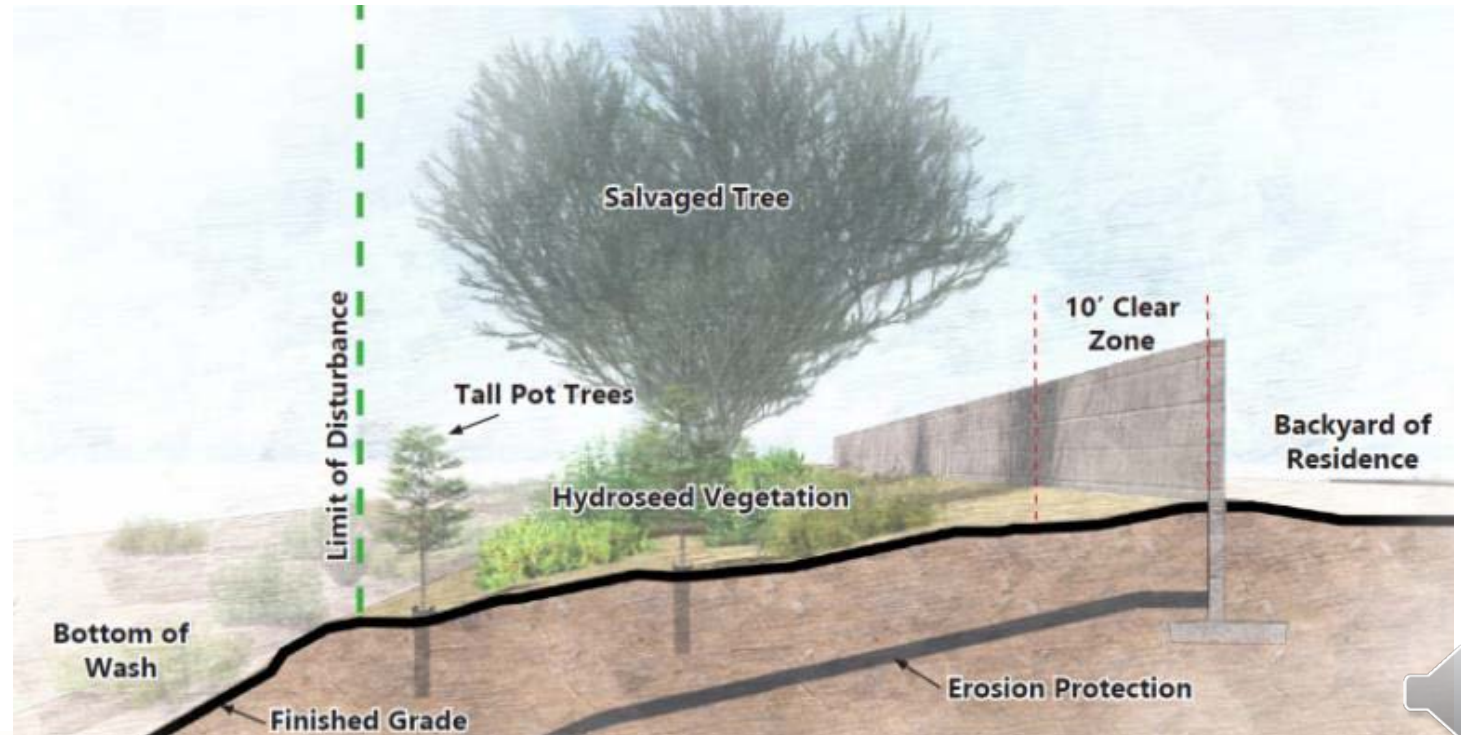
- Following flood wall modifications and installation of the erosion protection, the area will be graded to resemble a natural wash bank.
- Restoration will include planting of salvage trees, nursery grown “tall pot trees” and native Sonoran Desert hydroseed.
- Salvage trees will be watered with a temporary irrigation system.



Nursery Trees grown in Tall Pots



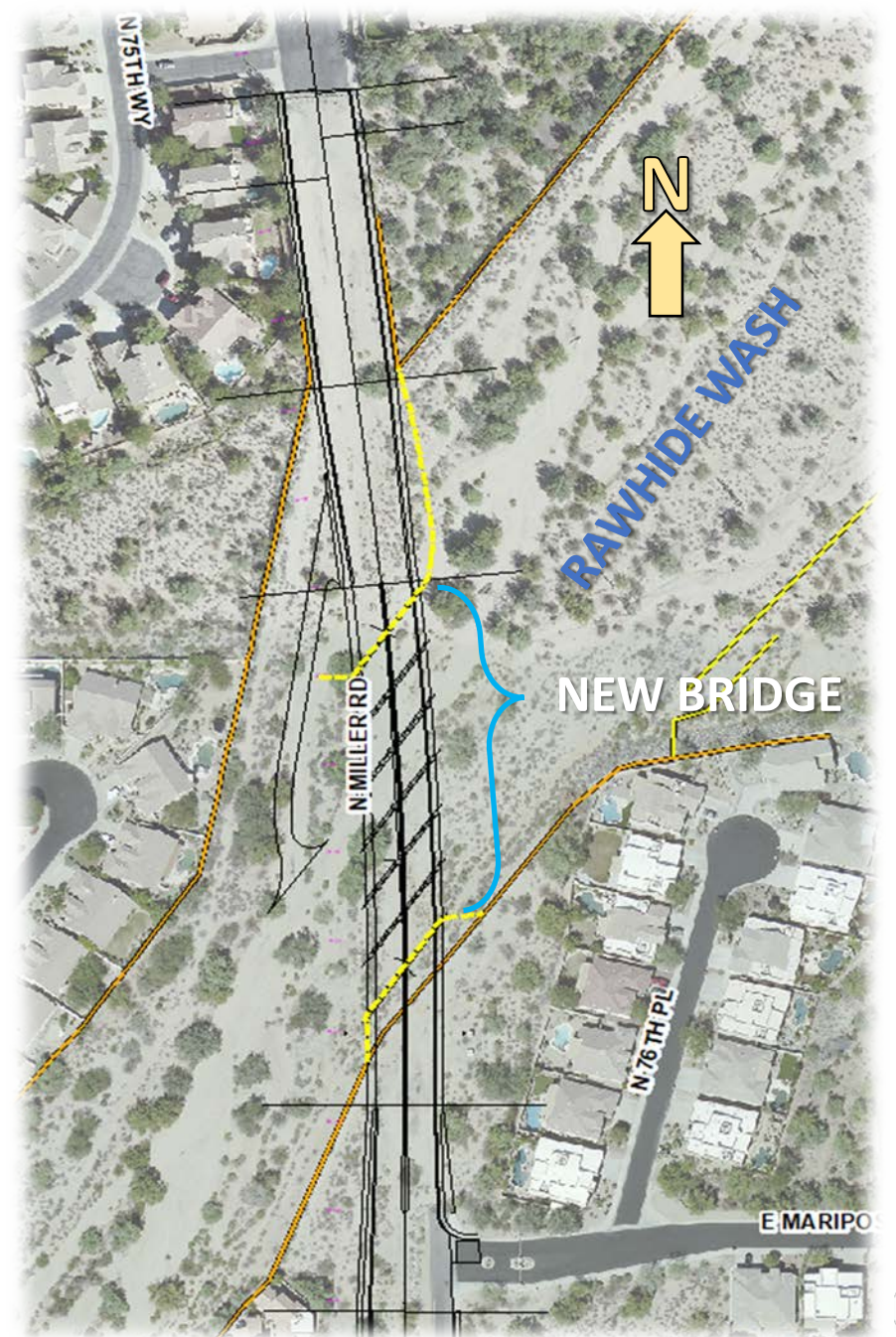
Wash Restoration Planting



FUTURE MILLER ROAD BRIDGE

Scottsdale Project Manager
Jeremy Richter
Phone: 480-312-7869
Email: JRichter@ScottsdaleAz.gov

- Completes the gap in Miller Road between Pinnacle Peak Road and Happy Valley Road
- Design began in October 2020
- Improvements planned since the 1990s
- 4-lane roadway with bicycle lanes and sidewalks
- Public Outreach to begin by March 2021
- Design expected to be complete by March 2022
- Construction as early as Summer of 2022



CONSTRUCTION

- Construction delivery using a construction manager at risk (CMAR)
- Qualifications-based contractor selection with provisions for defined construction costs
- Contractor participates in the design process resulting in a better project
- Partnering with contractor to improve project delivery, public involvement, and protection of natural assets



Rummel Construction, Inc.



PROJECT TIMELINE

60% Design Submittal
March 2020

90% Design Submittal
February 2021

Miller Road Project
October 2020

Final Construction
Package Available
May 2021

Virtual Public Meeting
January 2021

CLOMR Submittal
to FEMA
February 2021

Utility Relocation
Right of Way Acquisition
June 2021

Construction
Duration
12 Months



CLOSING

- Please address all comments and questions to:
Jesus Murillo – Senior Planner
Email: JMurillo@ScottsdaleAz.gov
Phone: 480-312-7849
- When contacting the City of Scottsdale about this project, be sure to include the following on your correspondence:
COS 284-PA-2019
Case No. 7-WM-2020
- See the links provided at the beginning of this presentation for access to supplemental materials



**THANK YOU FOR
YOUR PARTICIPATION!**

**WE LOOK FORWARD
TO HEARING FROM
YOU!**

