

Permanente Creek Flood Protection Project

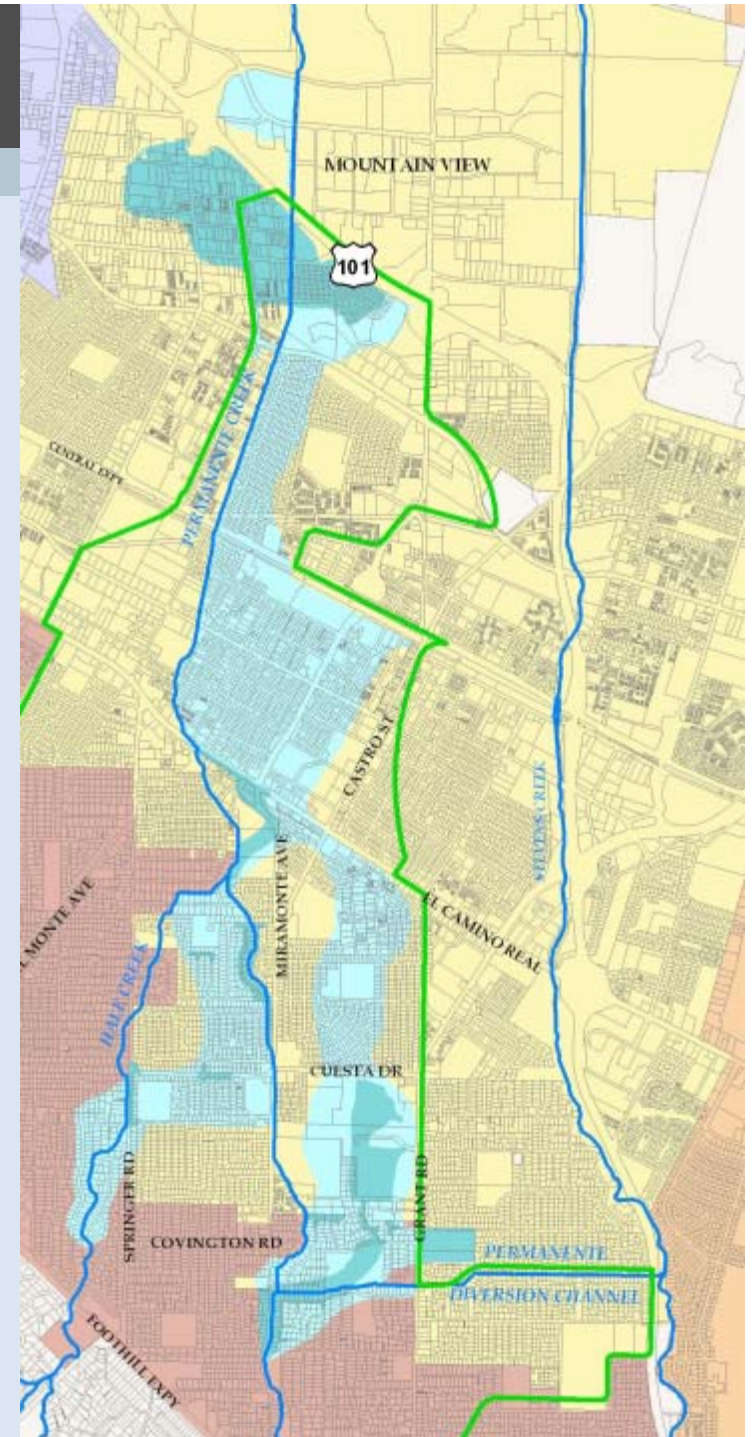
# Update on Rancho San Antonio Detention Basin

Joint SCVWD – SCCBOS Meeting  
May 18, 2017



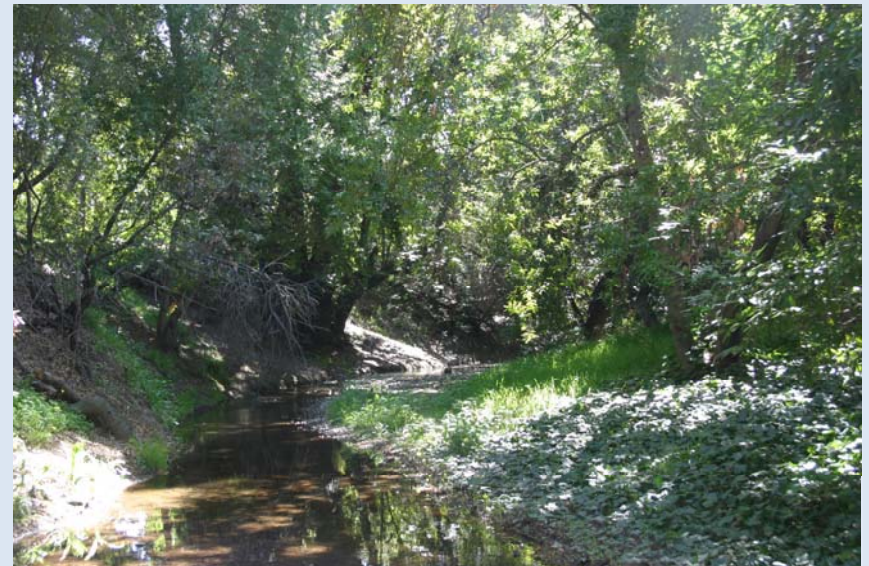
# Historical flooding

- 12 major floods in the past century
- Most recent major floods in 1995 and 1998
- Potential flood damages in this area are estimated in excess of \$48 million (1999 value)

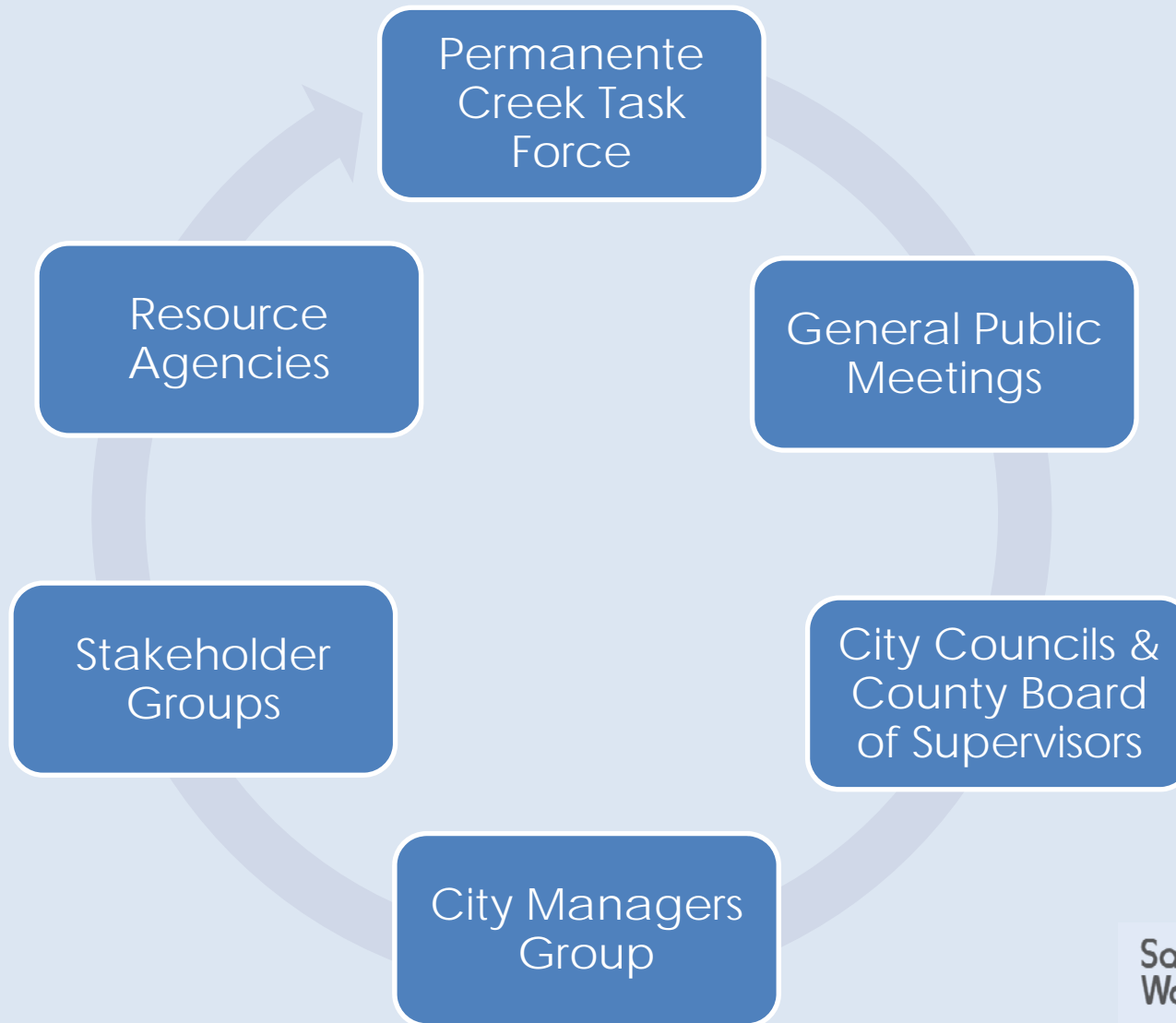


# Project objectives

- Provide one-percent flood protection to the citizens of Mountain View and Los Altos using a natural flood protection approach
- Protect Central Expressway and Middlefield Road
- Address deteriorating concrete channels
- Provide opportunities for environmental enhancements and trail extensions
- Minimize long-term maintenance costs



# Extensive outreach during planning & design





# Major project elements

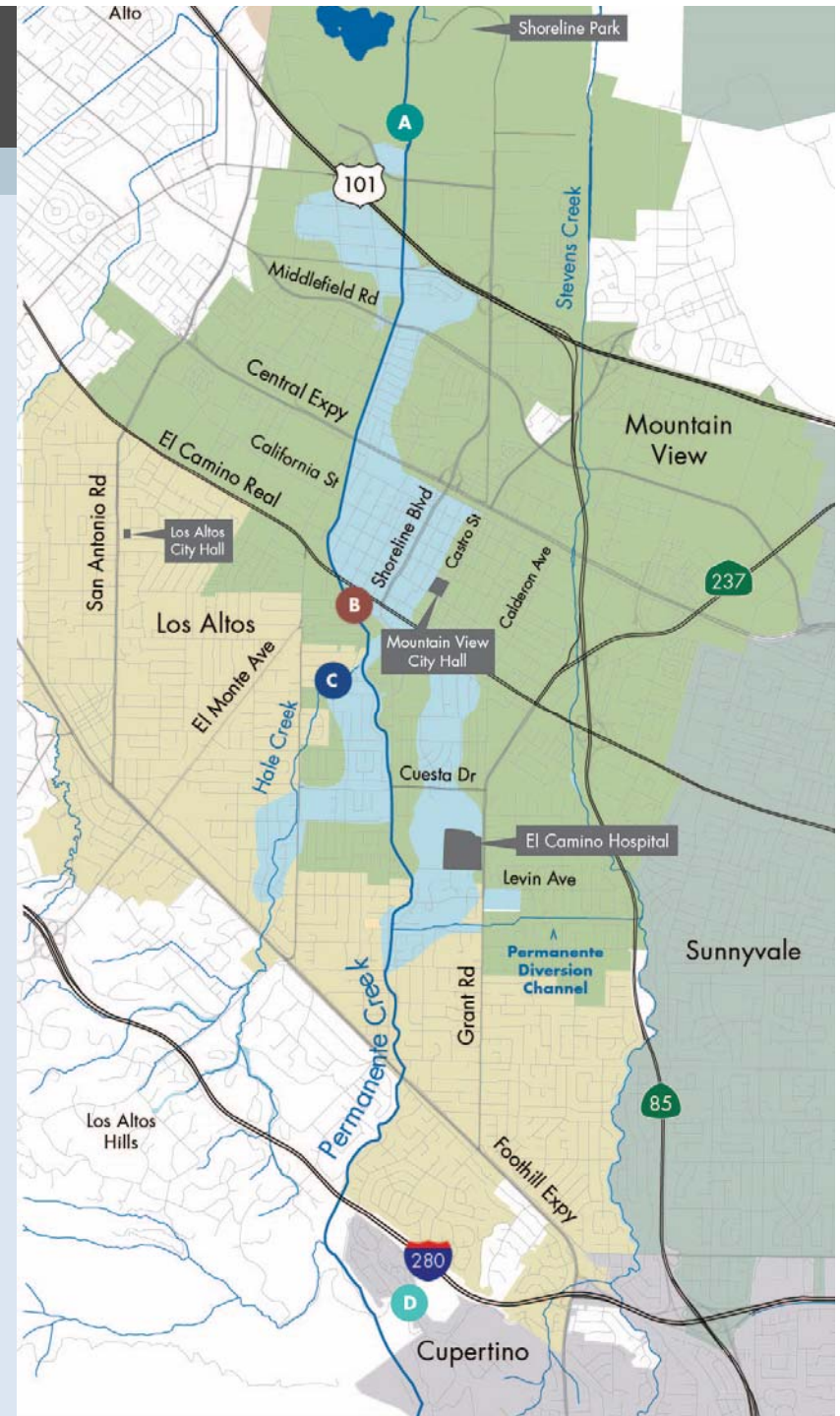
- A** Floodwalls
- C** Channel widening

## Flood detention areas:

- B** McKelvey Park
- D** Rancho San Antonio Park

The project will protect 2,200 parcels in Mountain View and Los Altos from a one-percent flood.

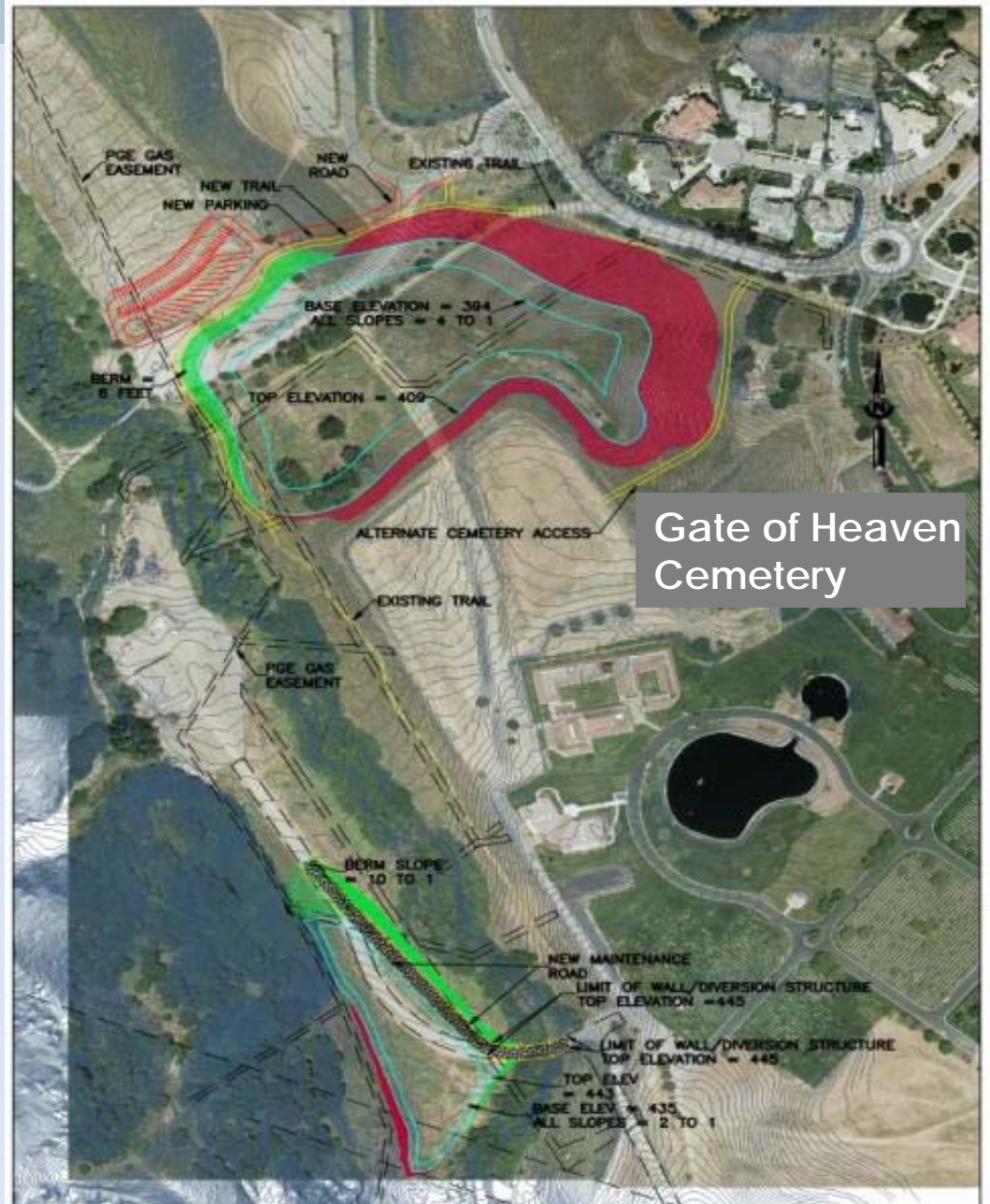
*Light blue area shows the historical flood area*



# D. Rancho San Antonio (RSA)

## Features:

- Detention basins
- New parking area
- New restroom
- New maintenance bridge
- Plant new native trees
- Remove non-native trees



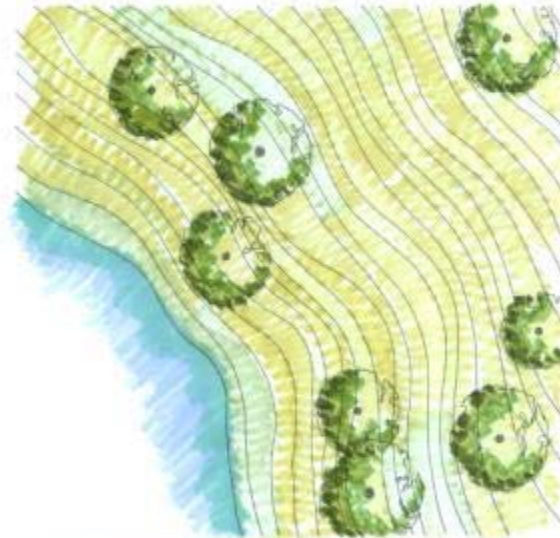








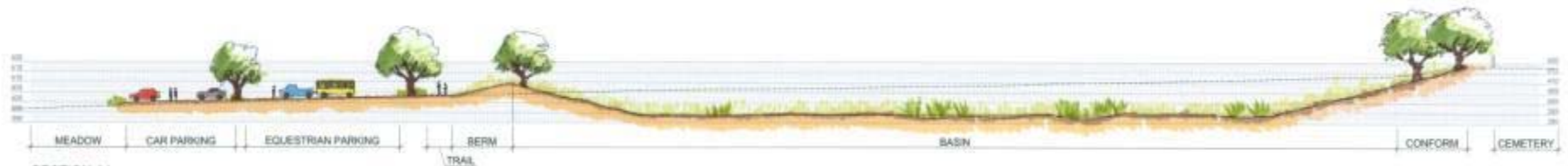
KEY PLAN  
Scale 1" = 100'-0"



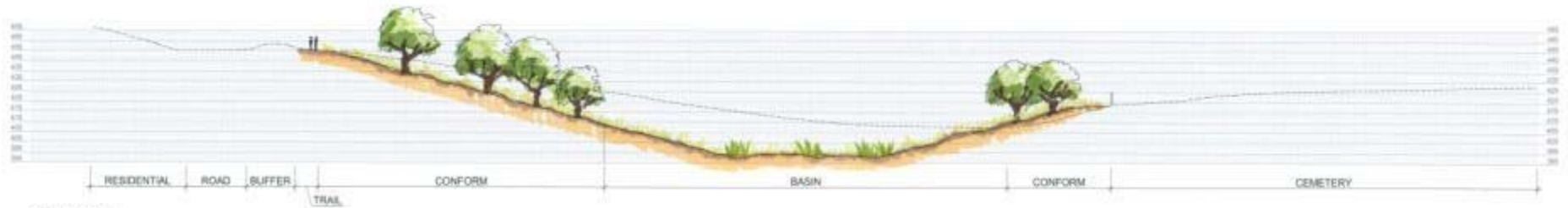
ILLUSTRATIVE SLOPE PLAN  
Scale 1" = 10'-0"



ILLUSTRATIVE SLOPE SECTION  
Scale 1" = 10'-0"



SECTION AA  
Scale 1" = 20'-0"



SECTION BB  
Scale 1" = 20'-0"



# D. RSA: Visual Rendering



Existing view from Cristo Rey Drive looking southwest

Left:  
**Current view**

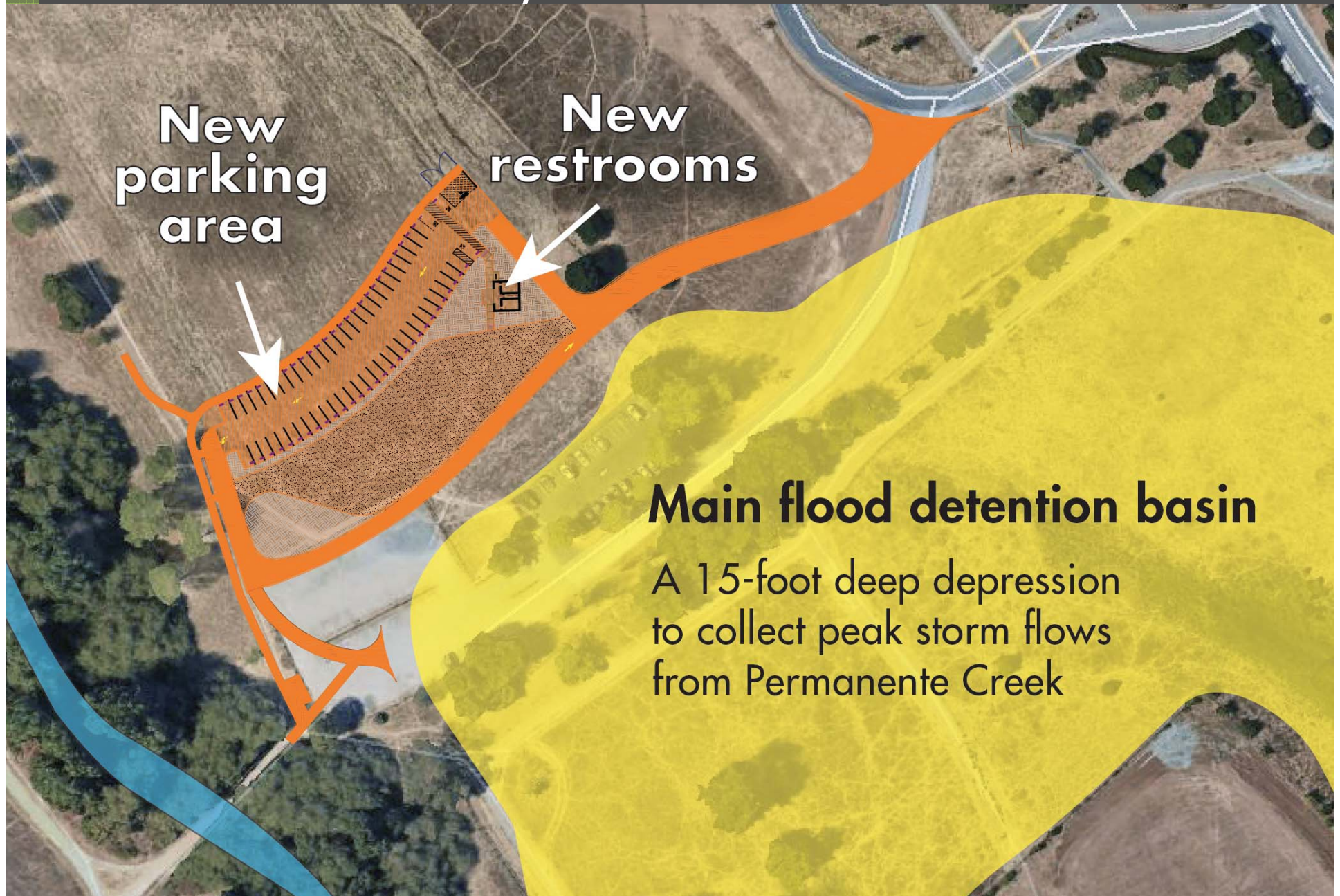
Right:  
**Rendering of  
future view**



Visual simulation of proposed project

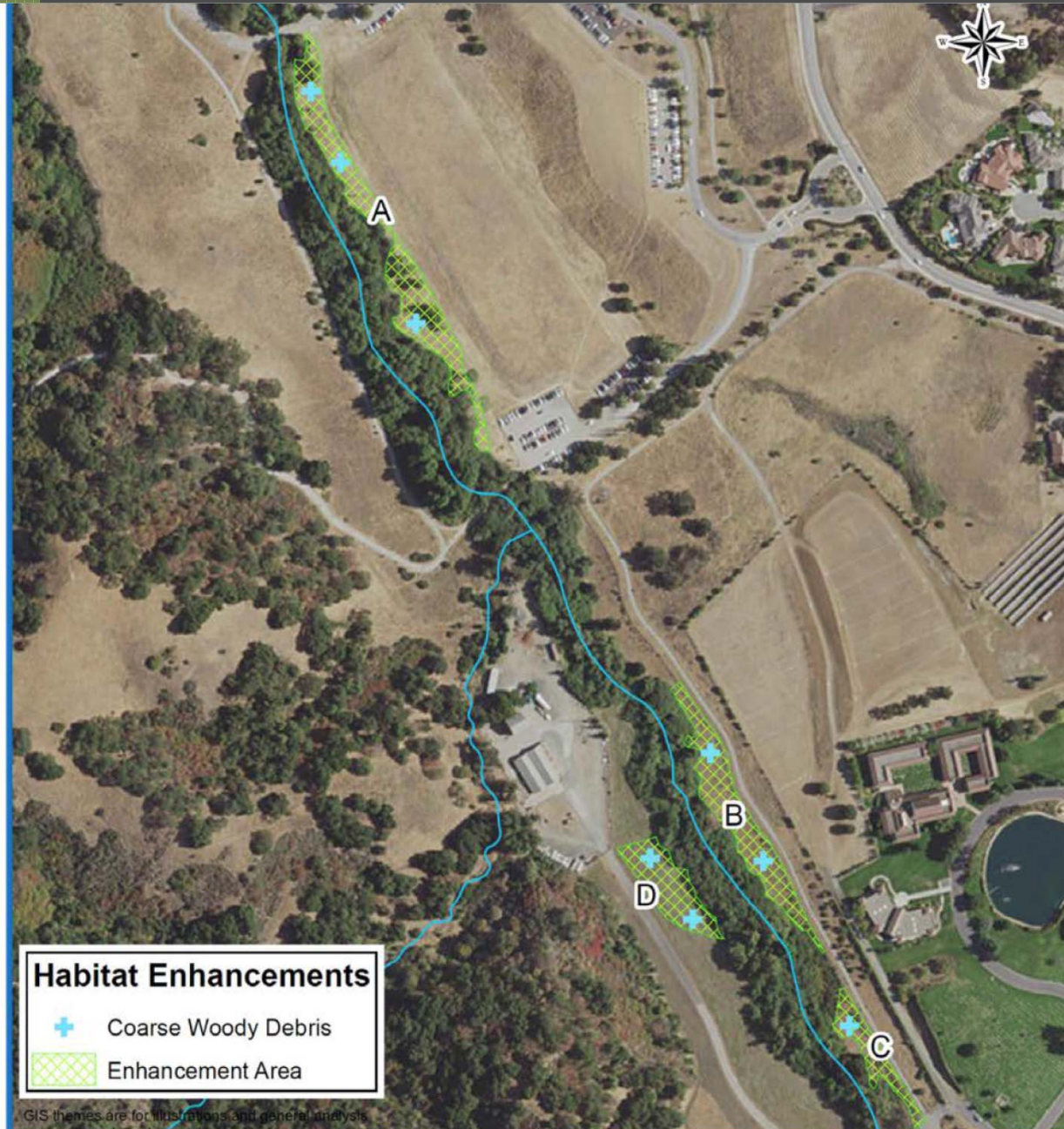


## D. RSA: Parking Area





## D. RSA: Enhanced Habitat



- Restore almost 20 acres of habitat for the endangered California Red-Legged Frog
- Allows for riparian restoration downstream

## D. RSA: Current Status

Construction Activity	Estimated Date
Awarded to Granite Construction	Oct 2016
Construction Start	Dec 2016
New Parking Lot & Restroom	Jan – June 2017
Inlet structure and south basin construction	May to Oct 2017
South basin outlet construction	May to Jul 2017
North basin construction	July 2017 to Feb 2018
Site restoration	Spring 2018











# Support District's Efforts Regarding Regulatory Permits

1. Obtain flexibility from regulatory agencies in long-term financial assurances
2. Ensure adequate funding for regulatory agencies to improve the overall permit process and prevent project delays
3. Seek ways to expedite permit issuance for routine maintenance of channels
4. Better coordinate mitigation requirements amongst agencies



# For more information

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<http://valleywater.org/services/PermanenteCreek.aspx>

- Sign up to receive project updates via email.
- View project reports, maps, history and other information.

