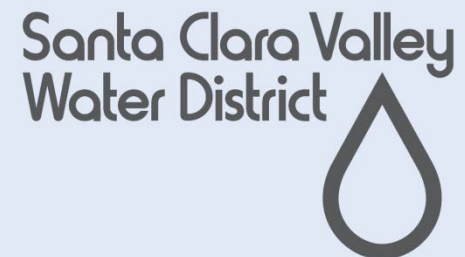


Permanente Creek Flood Protection Project

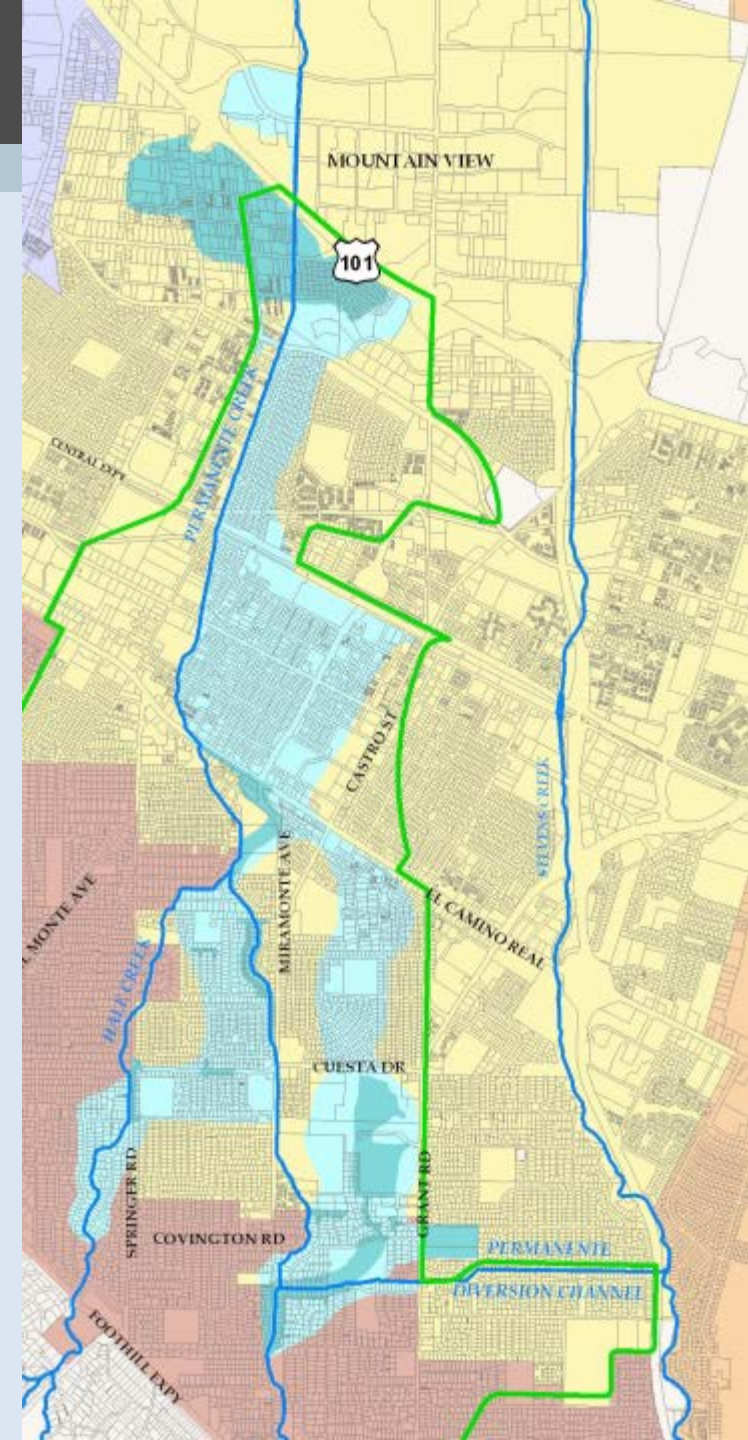
Rancho San Antonio County Park Flood Detention Area

Cupertino Parks and Recreation
Commission
October 6, 2016



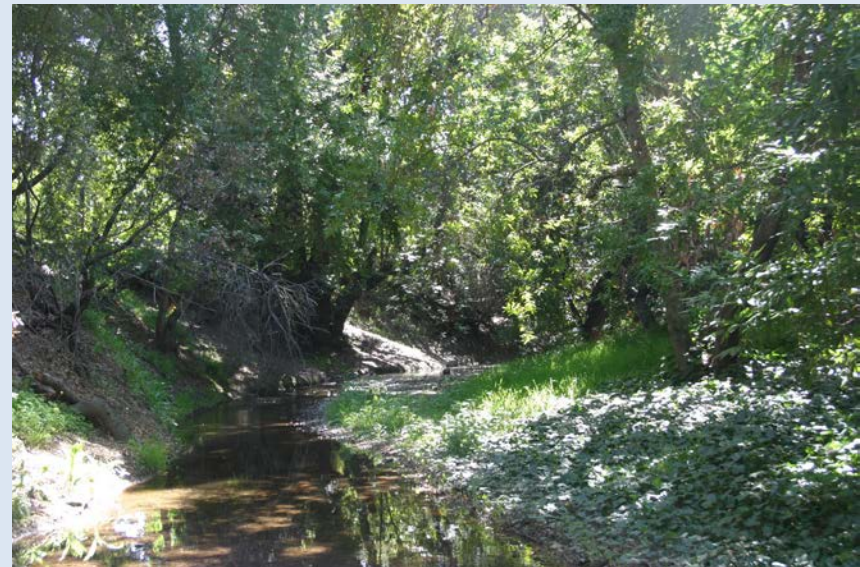
Historical flooding

- 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

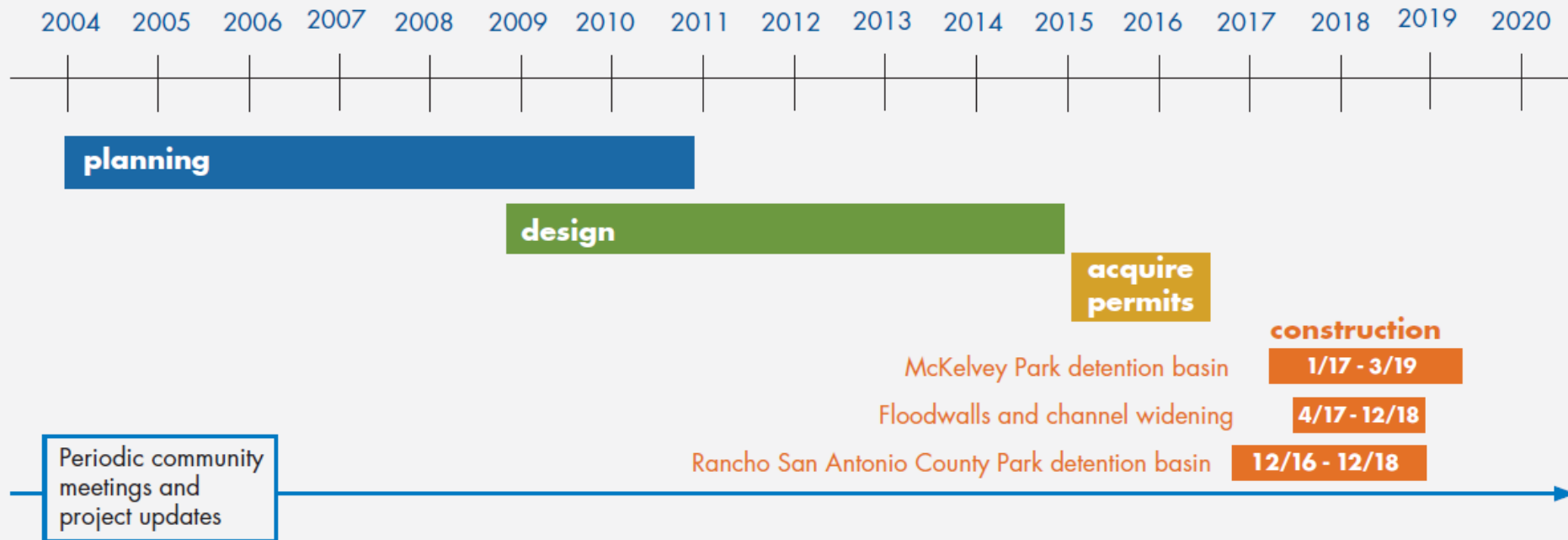
The project will protect 2,200 parcels in Mountain View and Los Altos from a one-percent flood.

Light blue area shows the historical flood area



Project schedule

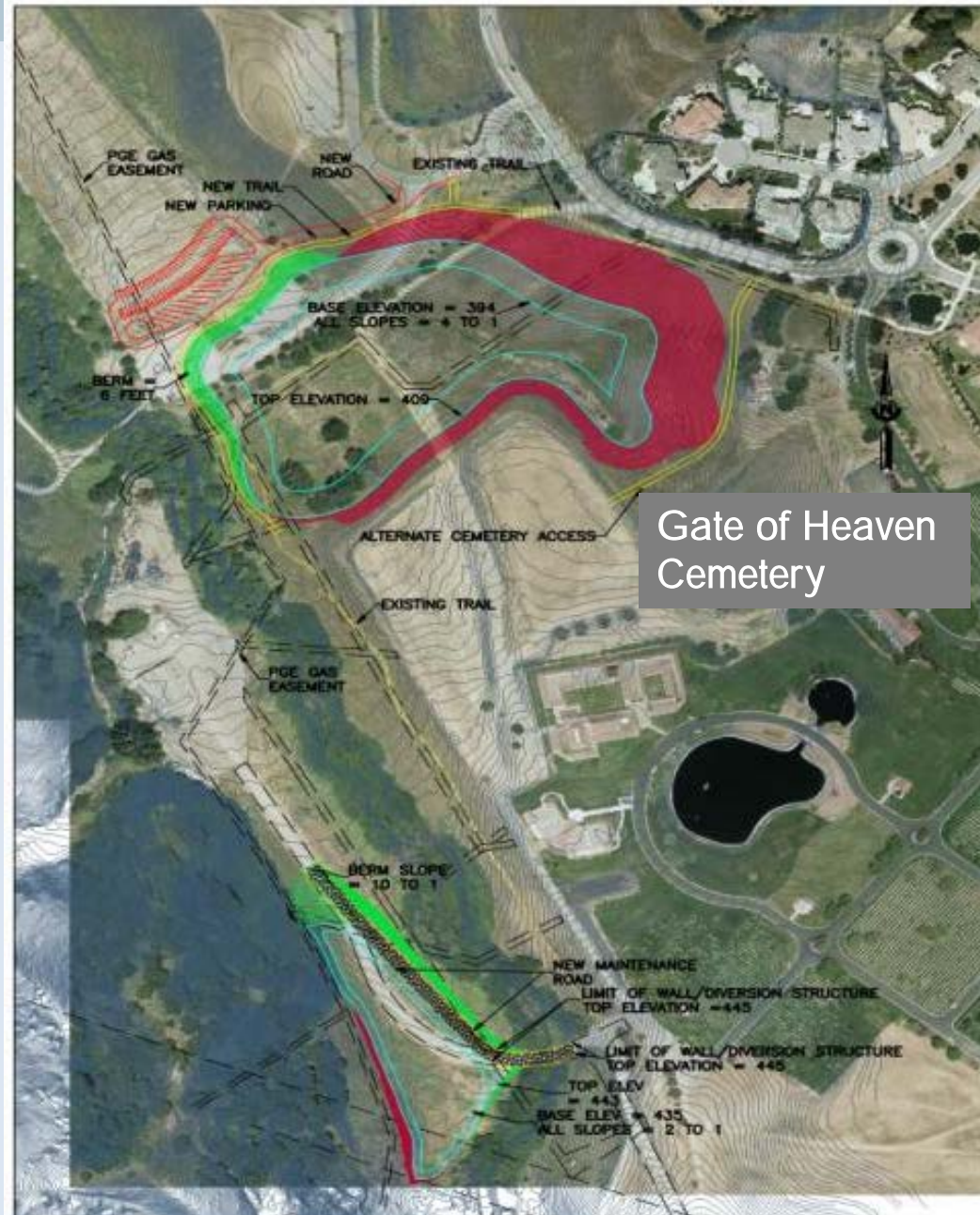
Project Schedule



D. Rancho San Antonio

Features:

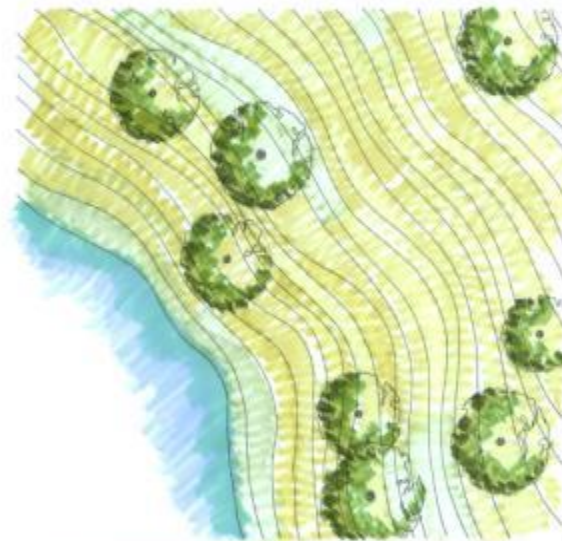
- Detention basins
- New parking areas
- New restroom
- New maintenance bridge
- Plant new native trees
- Remove non-native trees







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. Rancho San Antonio: Visual rendering



Existing view from Cristo Rey Drive looking southwest

Left:
Current view

Right:
**Rendering of
future view**



Visual simulation of proposed project

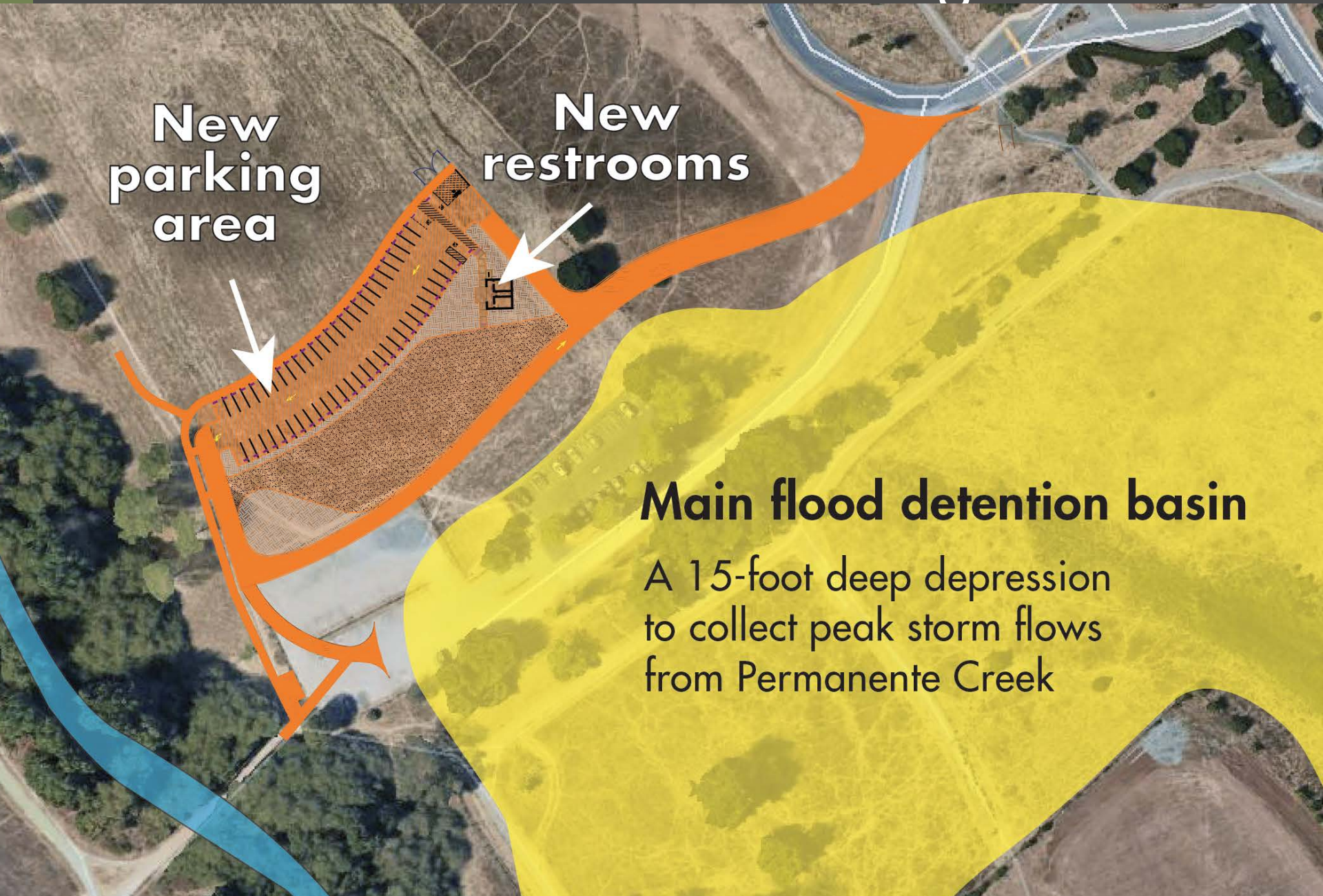
D. Rancho San Antonio: Parking Area

**New
parking
area**

**New
restrooms**

Main flood detention basin

A 15-foot deep depression
to collect peak storm flows
from Permanente Creek



D. Rancho San Antonio: Construction Schedule

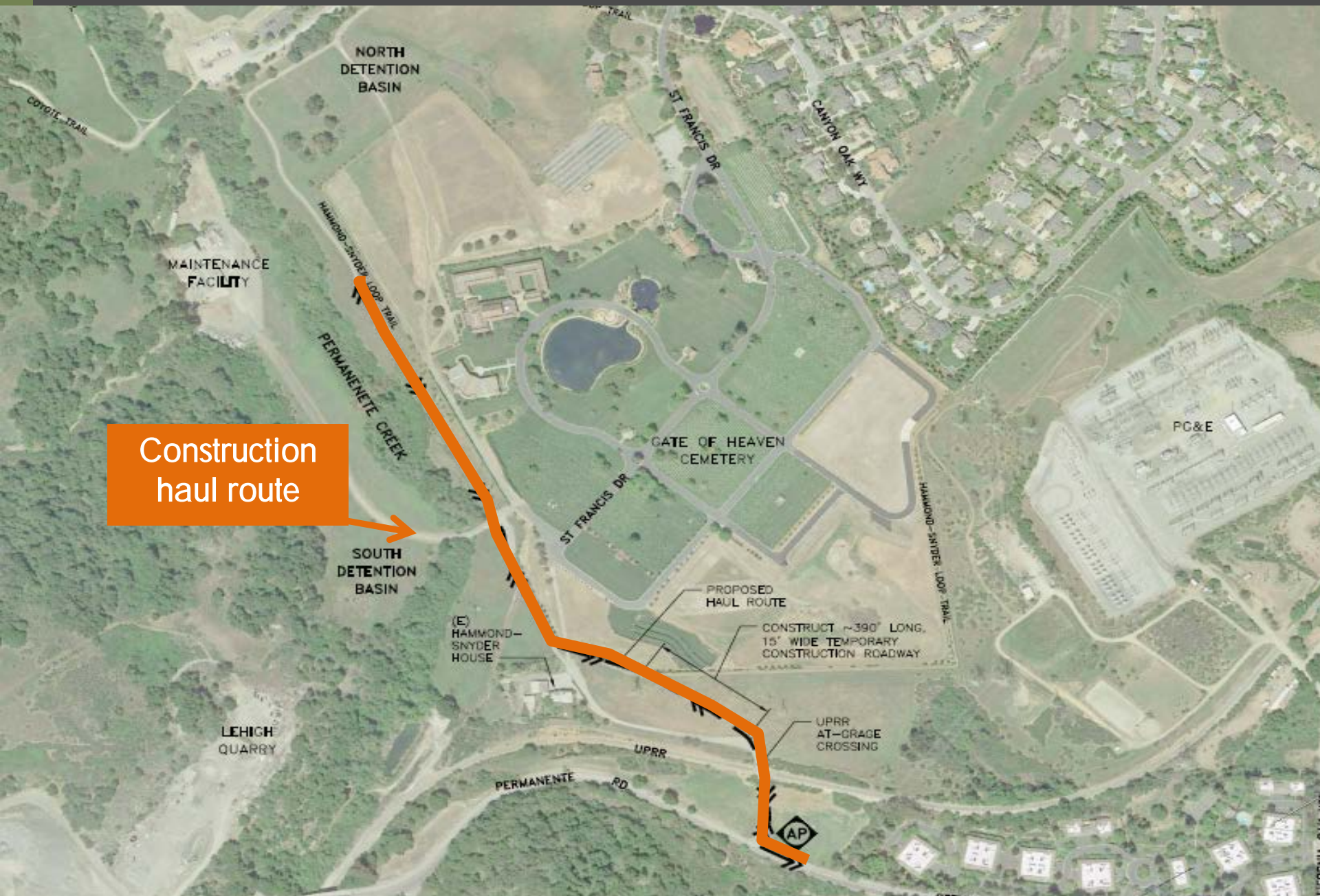
Construction Activity	Estimated Date
Parking lot preparation and construction	Dec 2016 to March 2017
Site preparation	February to March 2017
Well construction	March 2017
North basin construction	April 2017 to May 2018
Inlet structure and south basin construction	April to October 2018
South basin outlet construction	May 2018
Trail construction	May 2018
Site restoration	June to December 2018

What to expect during construction

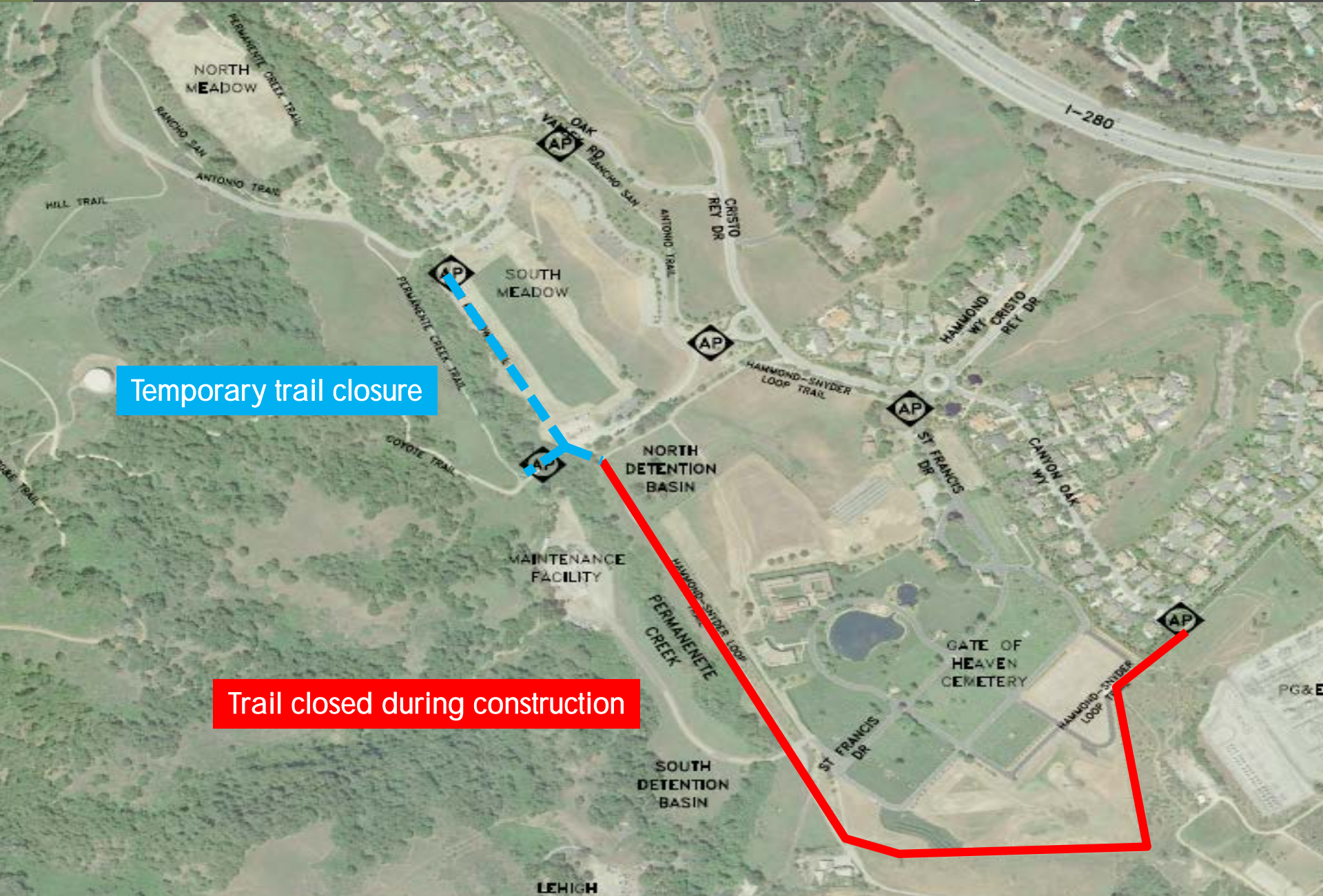
- Estimated two years of construction
- Trucks hauling dirt
- South Meadow parking area will remain open
- Screening fence
- South Meadow and Hammond-Snyder Loop trails will be closed
- Work hours are 8 a.m. to 5 p.m., Monday through Friday



D. Rancho San Antonio: Construction Haul Route



D. Rancho San Antonio: Trail Impacts



Outreach



- Public meetings
- Mailed notice
- Signage and flyers
- Website
- Email updates
- Fact sheets
- Media relations
- Parks & MidPen newsletters
- NextDoor



For more information

Lotina Nishijima

lnishijima@valleywater.org

(408) 630-2795

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

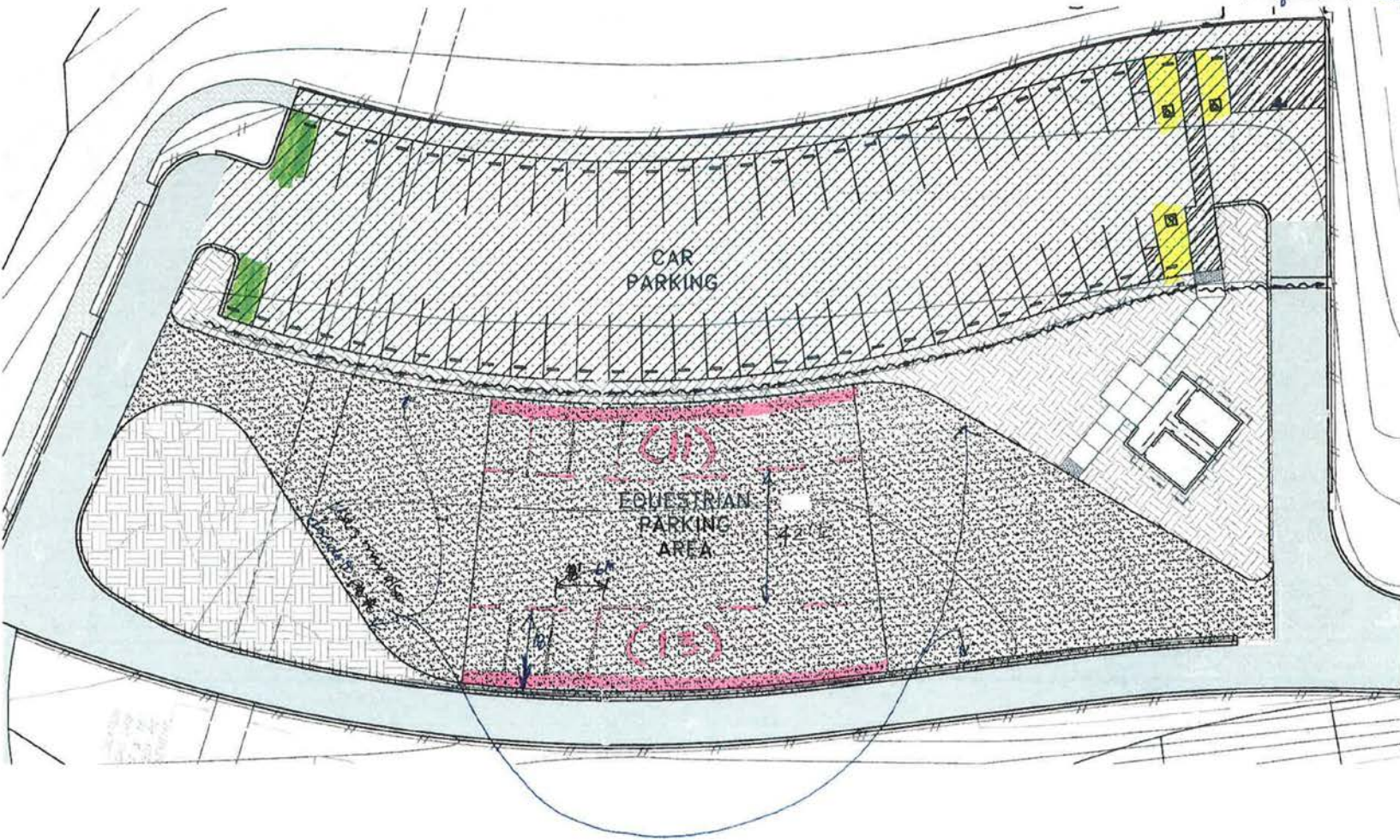
- Sign up to receive project updates via email.
- View project reports, maps, history and other information.

ADA stalls (3)

passenger vehicle stalls (56)

if passenger vehicles parked in equestrian area (unmarked) (24)

total 83 stalls



Pink area assumes no equestrian trailers are parked there.

(E) Equestrian lot.
assumed 9' x 18' spaces.
No check for turn movement.

(E) = 24 spaces
1 ADA space



assumes ϕ equestrian trailers

Hmm / mm
R. Crawford.
7/11/2016