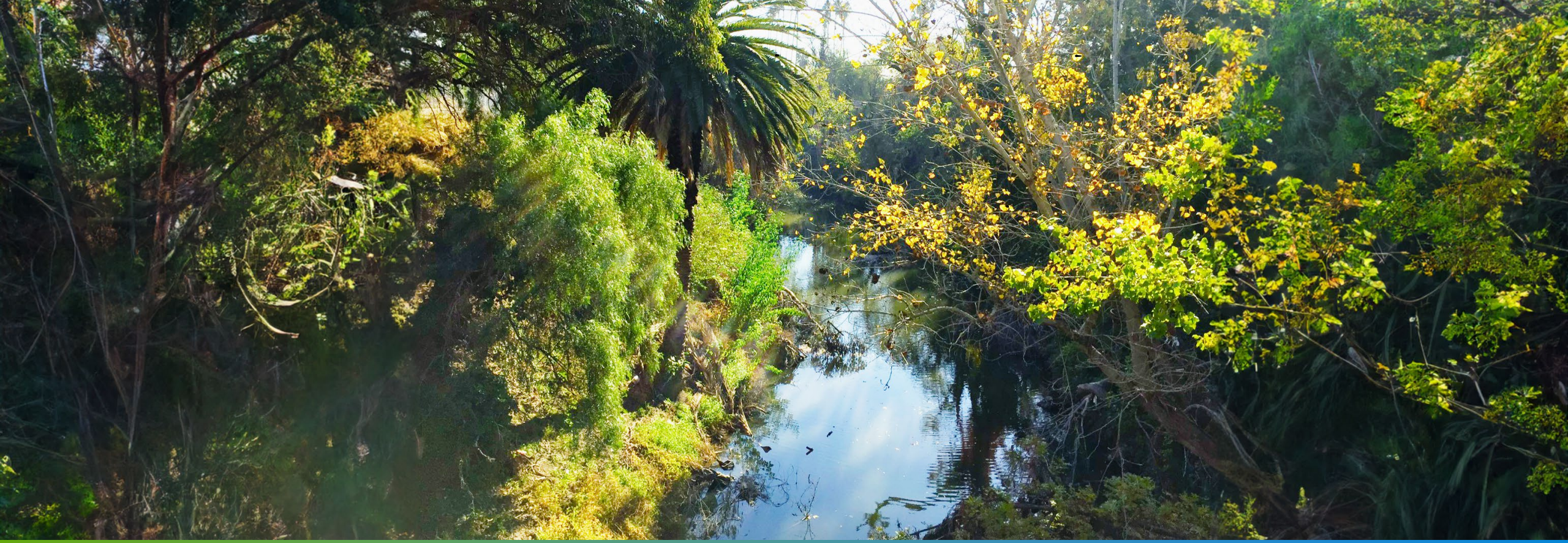


Coyote Creek Flood Protection Project

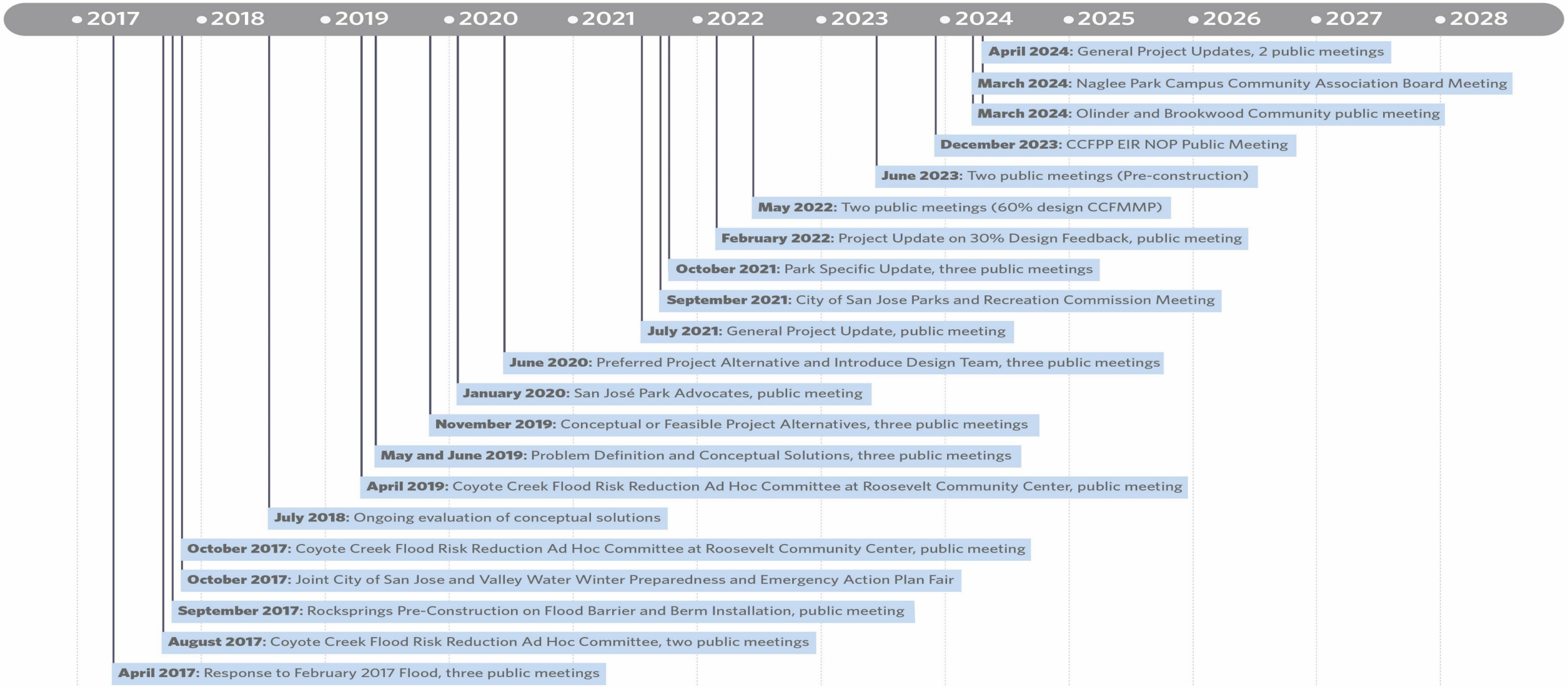
April 18, 2024

Valley Water

Presentation Overview

- Recap of Past Meetings
- Project Objective
- Project Location
- Phase 2 – Project Overview
- Next Steps
- Phase 1 – Construction Progress

Public Engagement

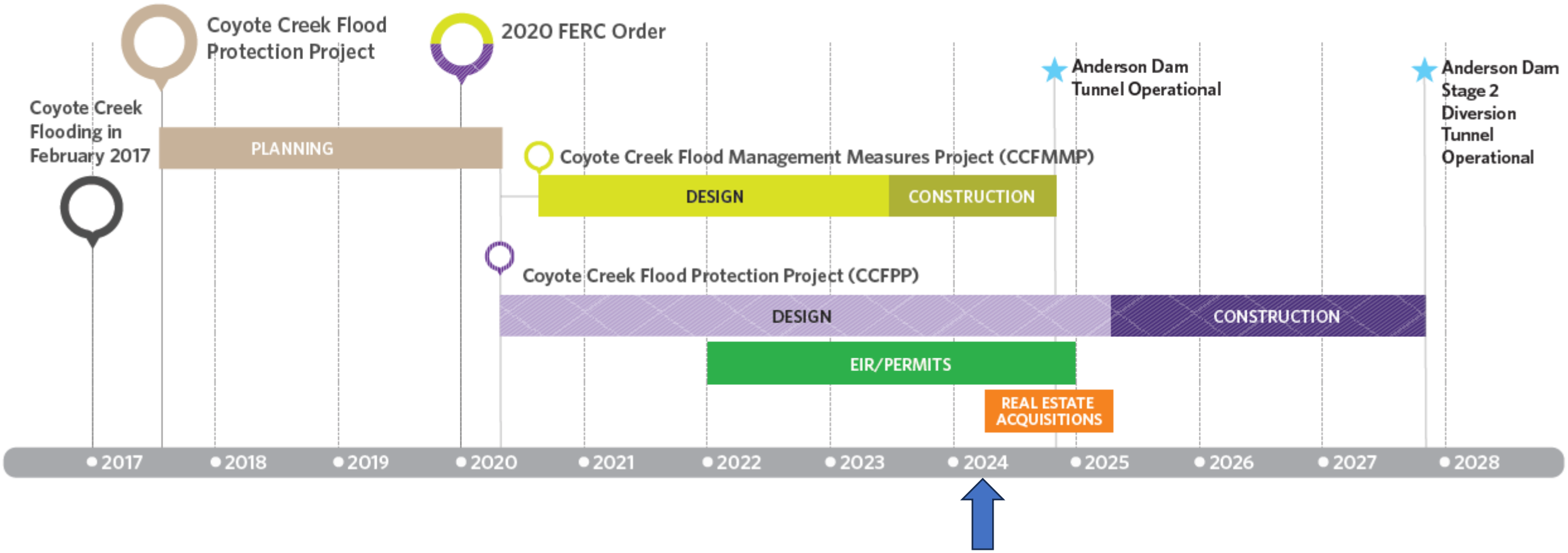


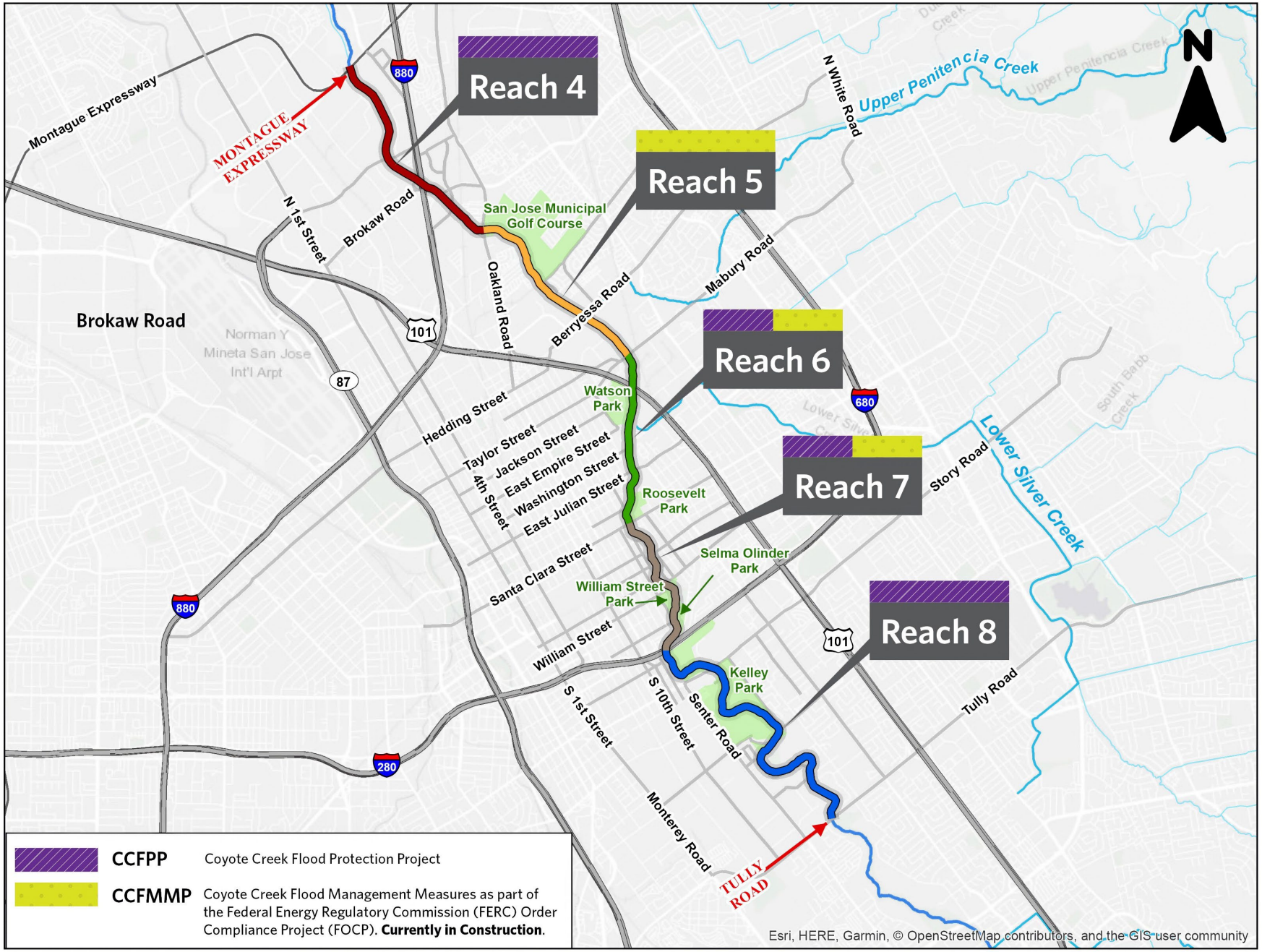
Project Objective

Reduce risk of flooding to homes, schools, businesses, and transportation infrastructure from a flood event equivalent to the February 2017 event

Photo Curtesy of Kevin Lowe

Anderson/Coyote Timeline





Project Area

- 9 Miles
- Coyote Creek Flood Management Measures Project (Phase 1)
  – Reaches 5, 6 and 7
  – In Construction
- Coyote Creek Flood Protection Project (Phase 2)
  – Reaches 4, 6, 7 and 8
  – In Design

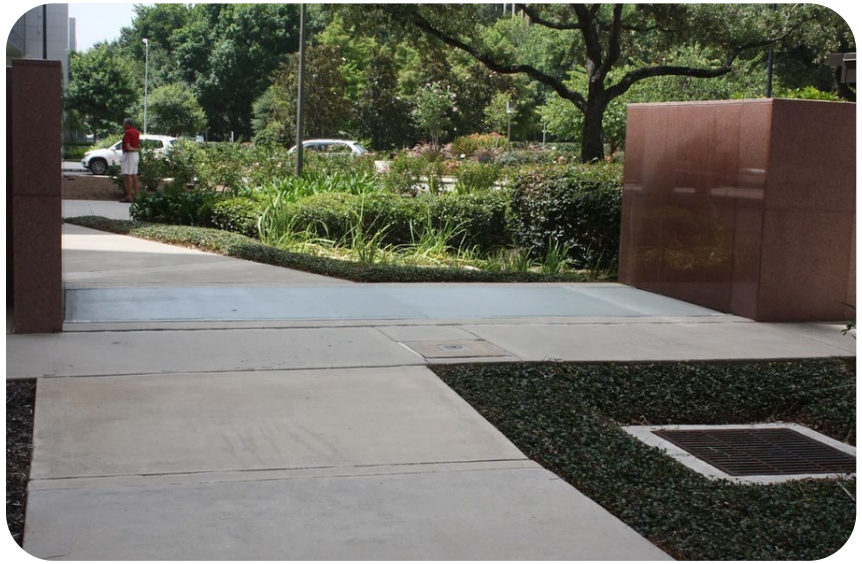
Project Elements

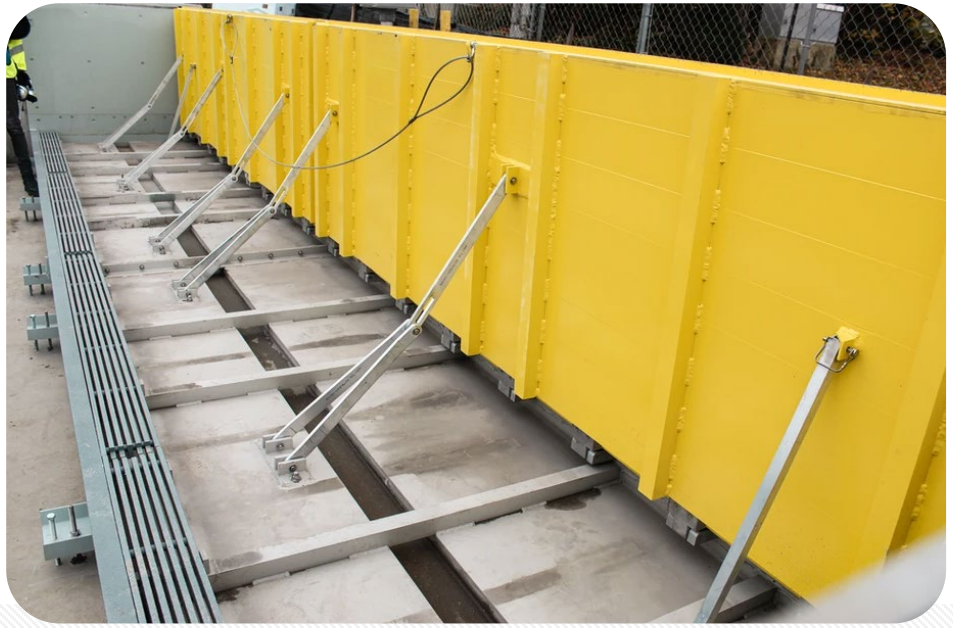
- Floodwalls
  - Vertical walls that contain and redirect flood flows
  - Sheet pile floodwalls with cut off walls below ground
  - Or reinforced concrete floodwalls
- Passive Barriers
  - Hidden below the ground until flood conditions trigger deployment
- Berms
  - Ridges or embankments that contain and redirect flood flows

Passive Barrier

- Watson Park, William Street Park and Selma Olinder Park and other locations
- Automatically rise from the ground during flood events
- Embedded in the ground when not deployed, providing a level surface for other uses (e.g., roadways, sidewalks)
- Heights range from 5 to 8 feet above the ground surface when deployed

Passive Barrier



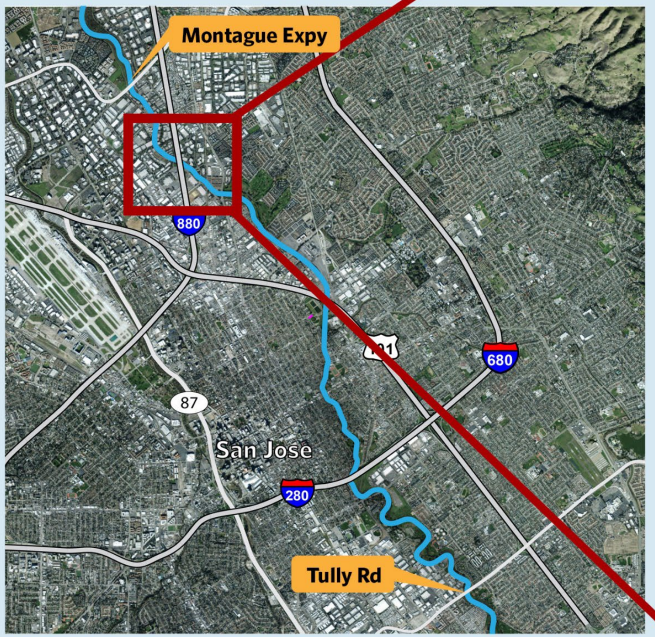


Valley Water

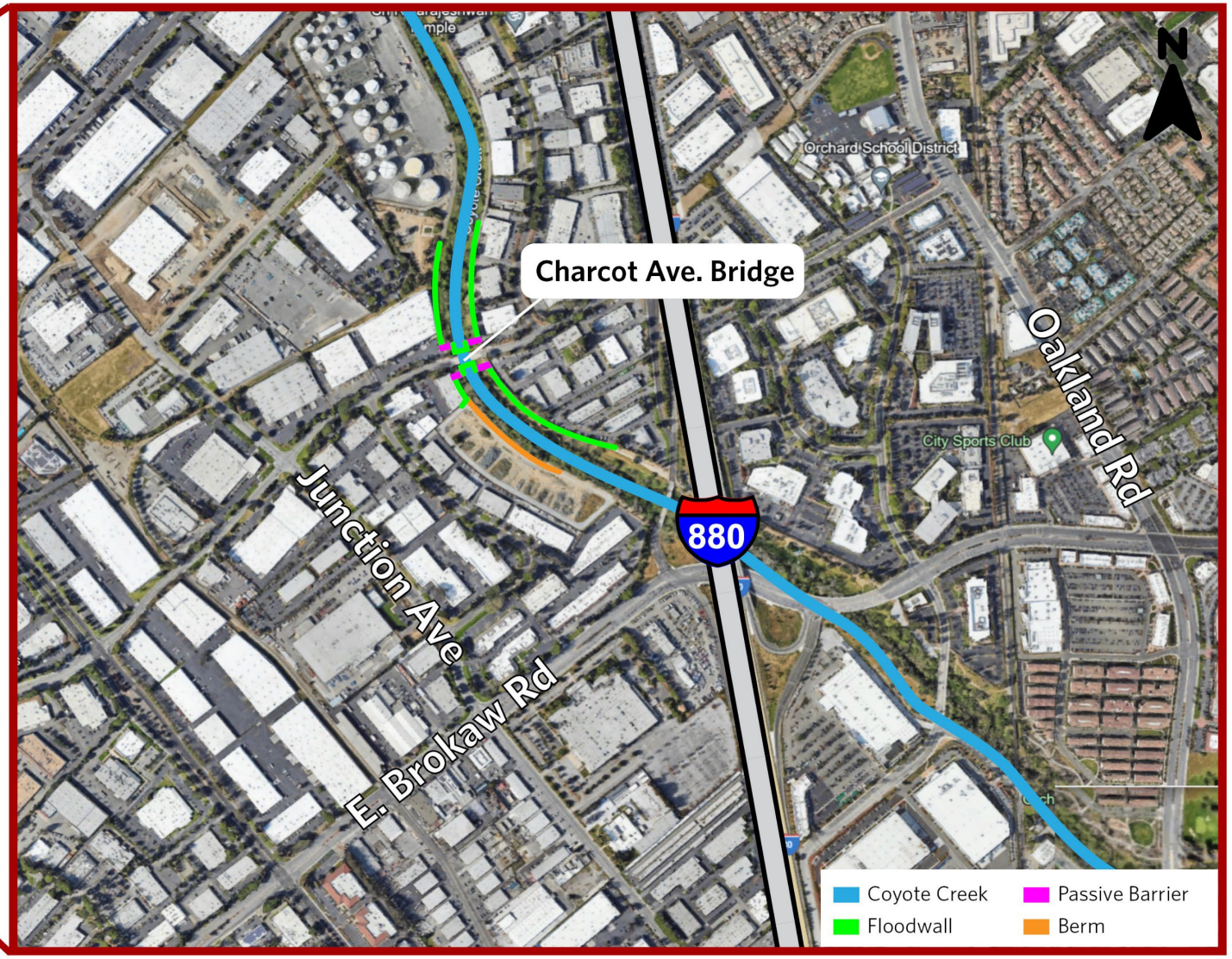
Project Elements

REACH 4

Install floodwalls and berms along Coyote Creek and add new headwalls on Charcot Ave. Bridge to prevent flooding of the surrounding areas.



Key Map

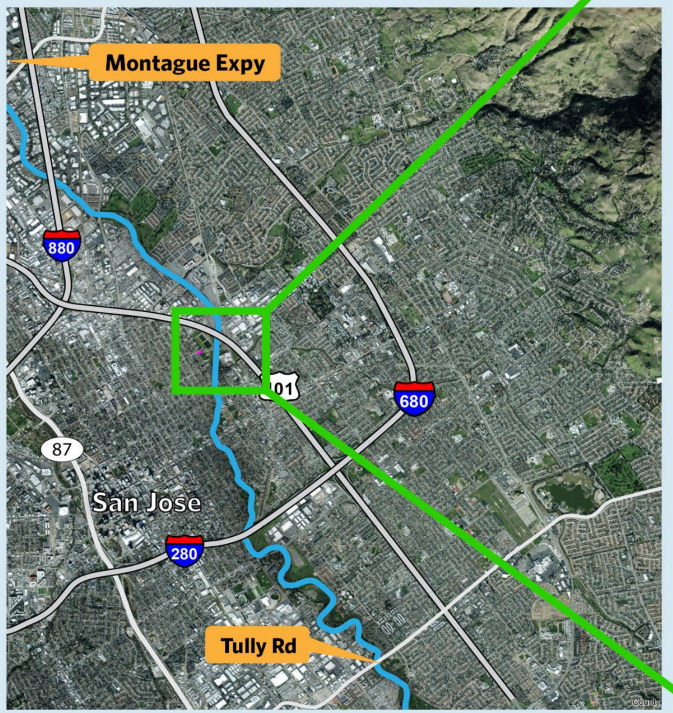


Reach 4 Project Area

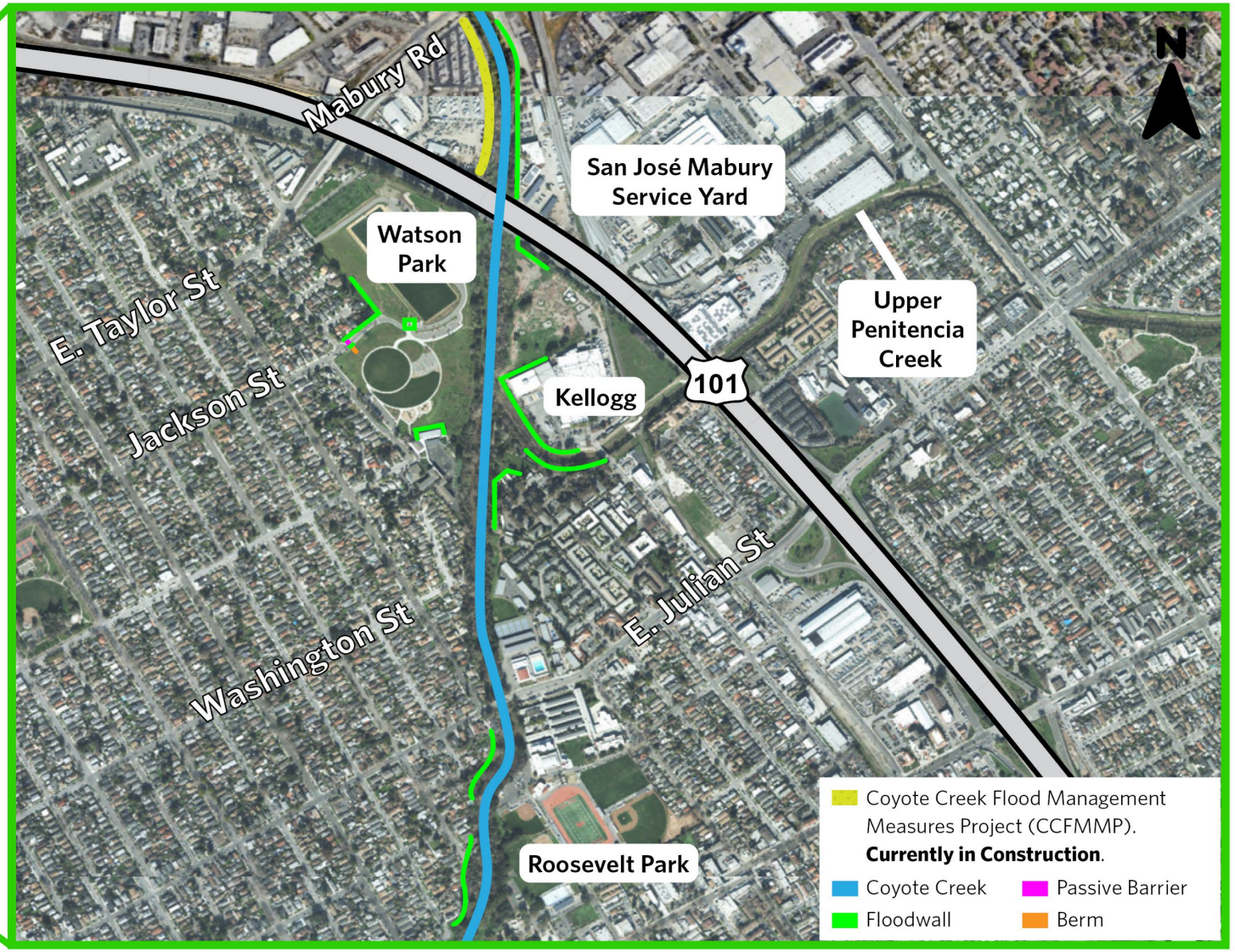
Project Elements

REACH 6

Install floodwalls, berm, and passive barrier to protect residential, businesses and industrial areas.



Key Map

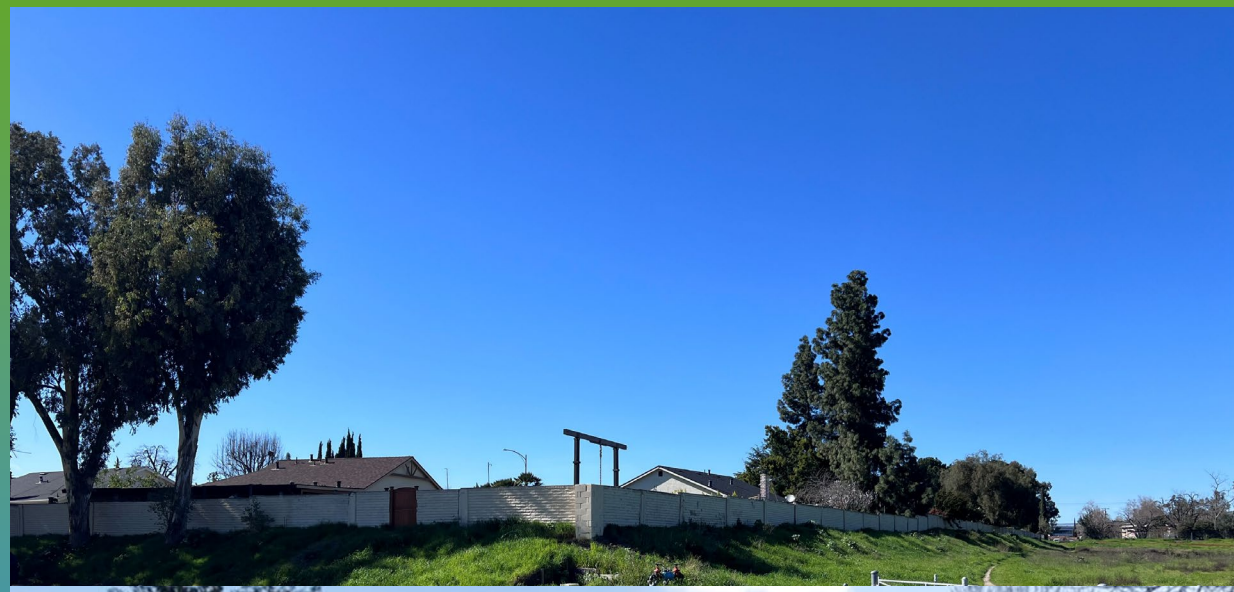


Reach 6 Project Area

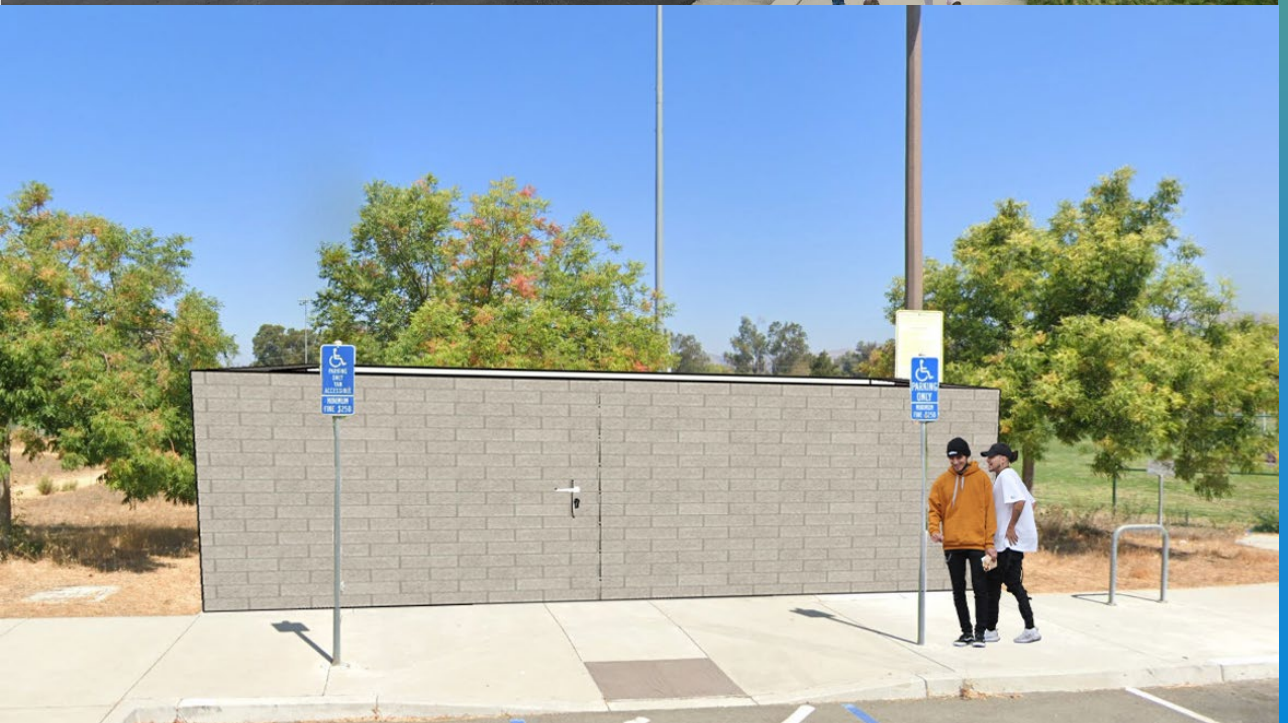
Watson Park

- Flood Wall
- Passive Barrier
- Berm

Watson Park – Existing Conditions



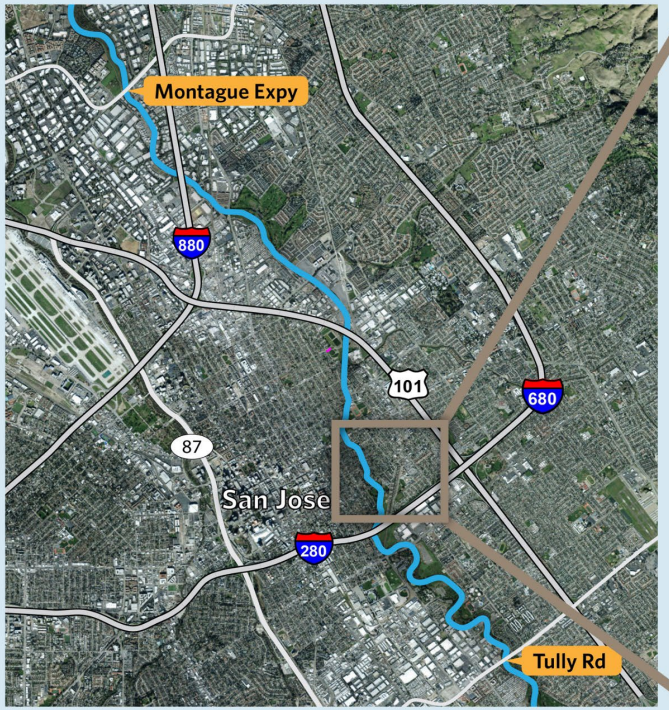
Watson Park – Post Project



Project Elements

REACH 7

Install floodwalls, passive barriers, and berms to protect residential, businesses and industrial areas.



Key Map

Reach 7 Project Area

William Street Park

Flood Wall

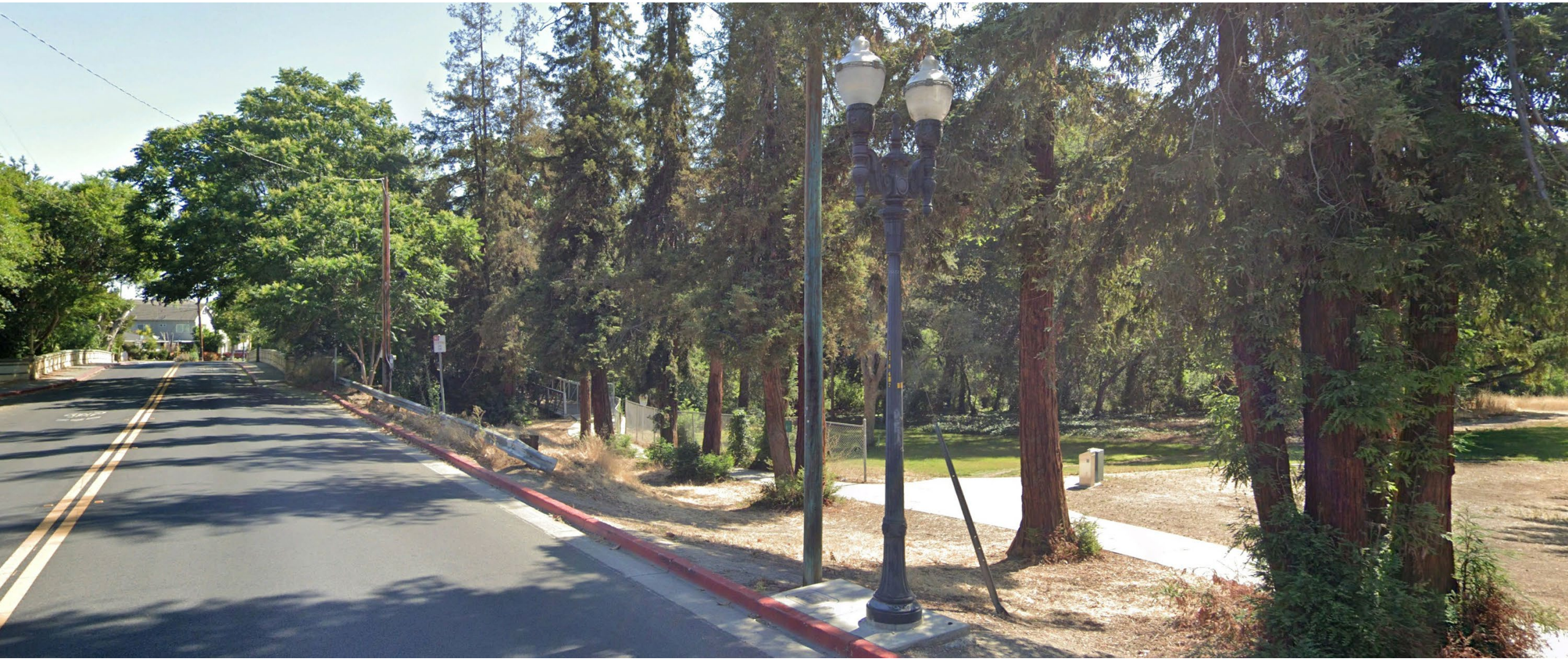
Passive Barrier

William Street Park - Existing Conditions (S 16th Street)

Williams Street Park- Passive Barrier Down

William Street Park with Raised Passive Barrier

William Street Park - Existing Conditions (E William Street)



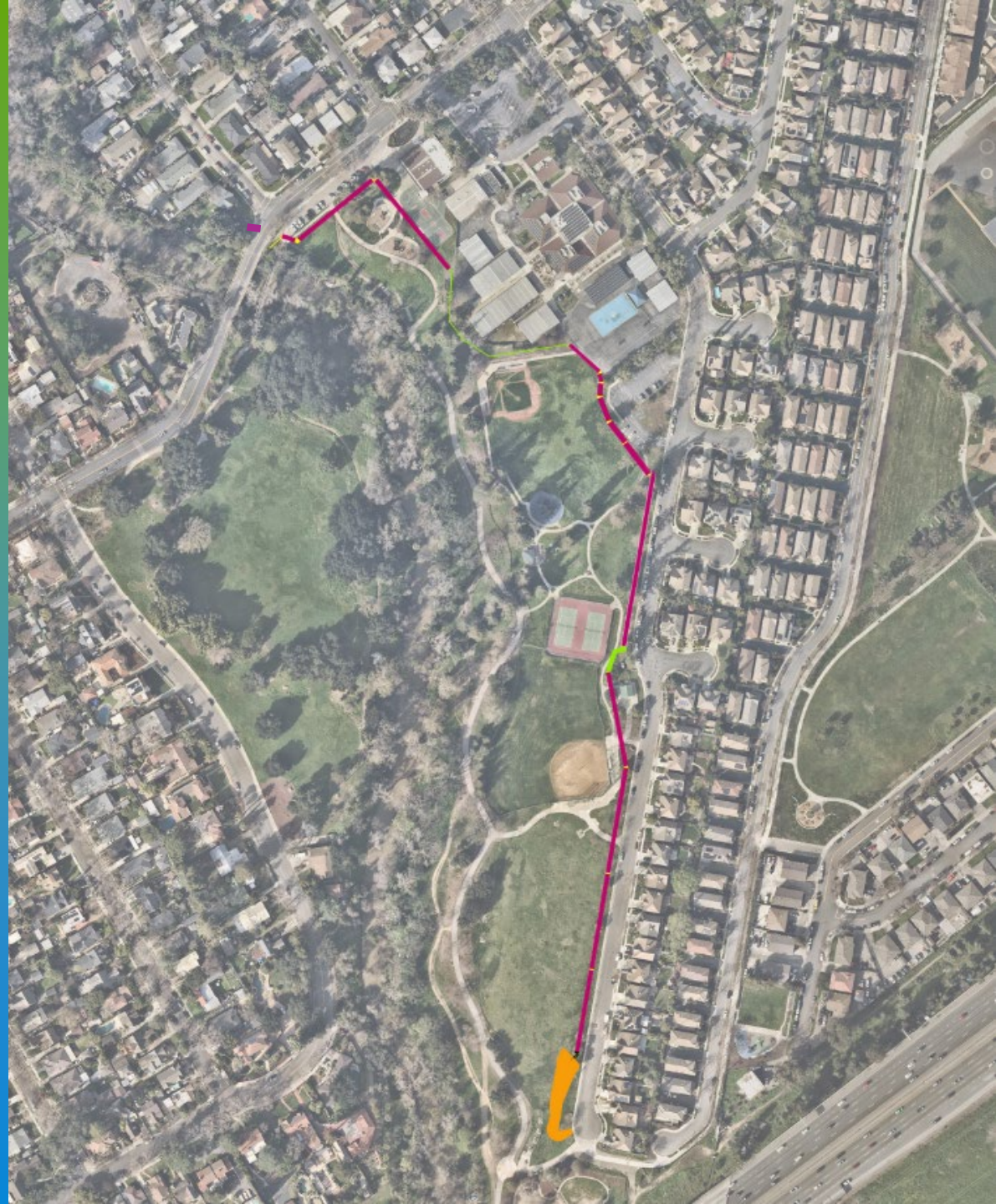
Valley Water

William Street Park (E William Street) with floodwall

William Street Park (E William Street) with floodwall and Passive Barrier

Selma Olinder Park

- Flood Wall
- Passive Barrier
- Berm



Selma Olinder Park with lowered passive barriers (E William Street)

Selma Olinder Park with raised passive barriers (E William Street)

Selma Olinder Park, Woodborough Drive - existing condition

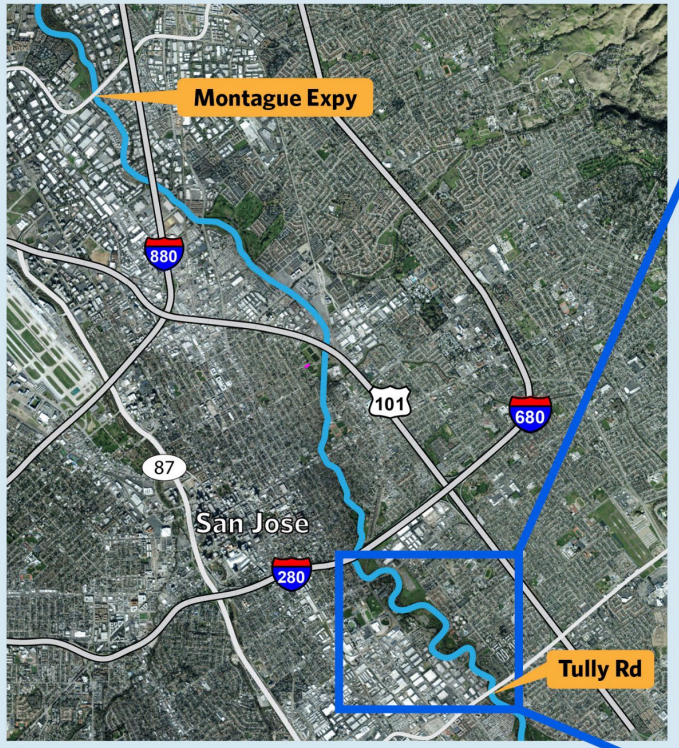
Selma Olinder Park, Woodborough Drive – lowered passive barrier

Selma Olinder Park, Woodborough Drive - with raised passive barriers

Project Elements

REACH 8

Install floodwalls and a berm to protect residential, businesses and industrial areas.



Key Map

Reach 8 Project Area

Rocksprings Park

Flood Wall

Berm

Rocksprings Park

Kelley Park

Flood Wall

Kelley Park

Additional Information

www.Valleywater.org/coyote-creek

E1: Coyote Creek Flood Protection*

Select a Creek & River Project

About This Project

This project is to plan, design and construct improvements along approximately nine (9) miles of Coyote Creek, between Montague Expressway and Tully Road, in San José. The primary objective is to provide protection from floods up to the level that occurred on February 21, 2017, equivalent to approximately a 5% flood (20-year event). In December 2019, the Valley Water Board of Directors voted to allocate local funding for construction of the preferred project; however, Valley Water is also exploring additional external funding sources and partnership opportunities.

Since 2017, Valley Water has implemented several short-term interim projects to help reduce the risk of flooding along Coyote Creek. These include the installation of an interim floodwall and embankment along the creek in the Rock Springs community. This structure protects the Rock Springs community from a flood event equivalent to the February 2017 flood. Other interim projects include repairing a 150-foot levee adjacent to the South Bay Mobile Home Park, installing flood gauges on bridges that provide real-time visual information on water levels and removing invasive vegetation from Valley Water and City property in parts of the creek that experienced the most flooding.

*This project was voter approved as part of the Safe, Clean Water and Natural Flood Protection Program.

Status	Phase	Location	Schedule	Funding
Active; Adjusted	Design	San José	Start FY 2022 / Finish FY 2028	Safe, Clean Water Fund ($209.7 million)

Next Steps

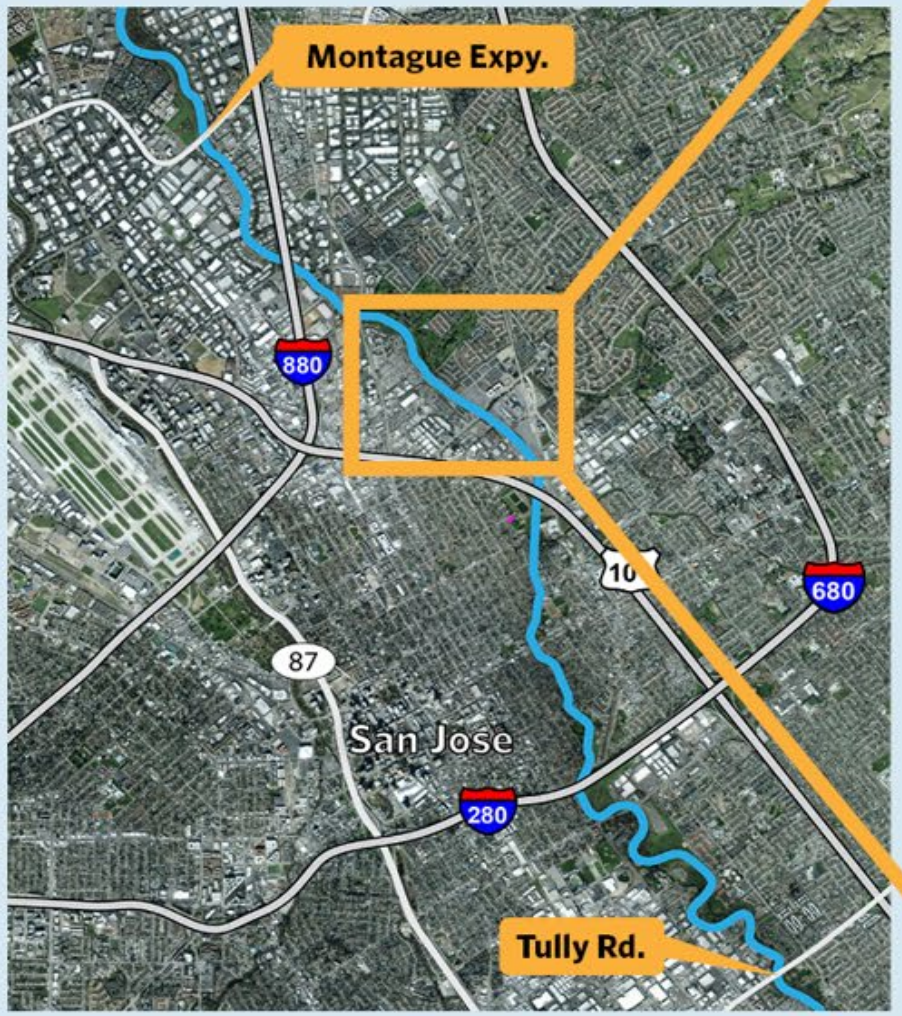
- 90% Design – May 2024
- Final Design – October 2024
- Draft EIR for Public Review – June 2024
- Public Meeting (Draft EIR) – June 2024
- Pre-Construction Public Meeting – Spring 2025
- Construction Start – Spring/Summer 2025
- End of Construction – Late 2027
- Ongoing plant monitoring – 3 years following construction

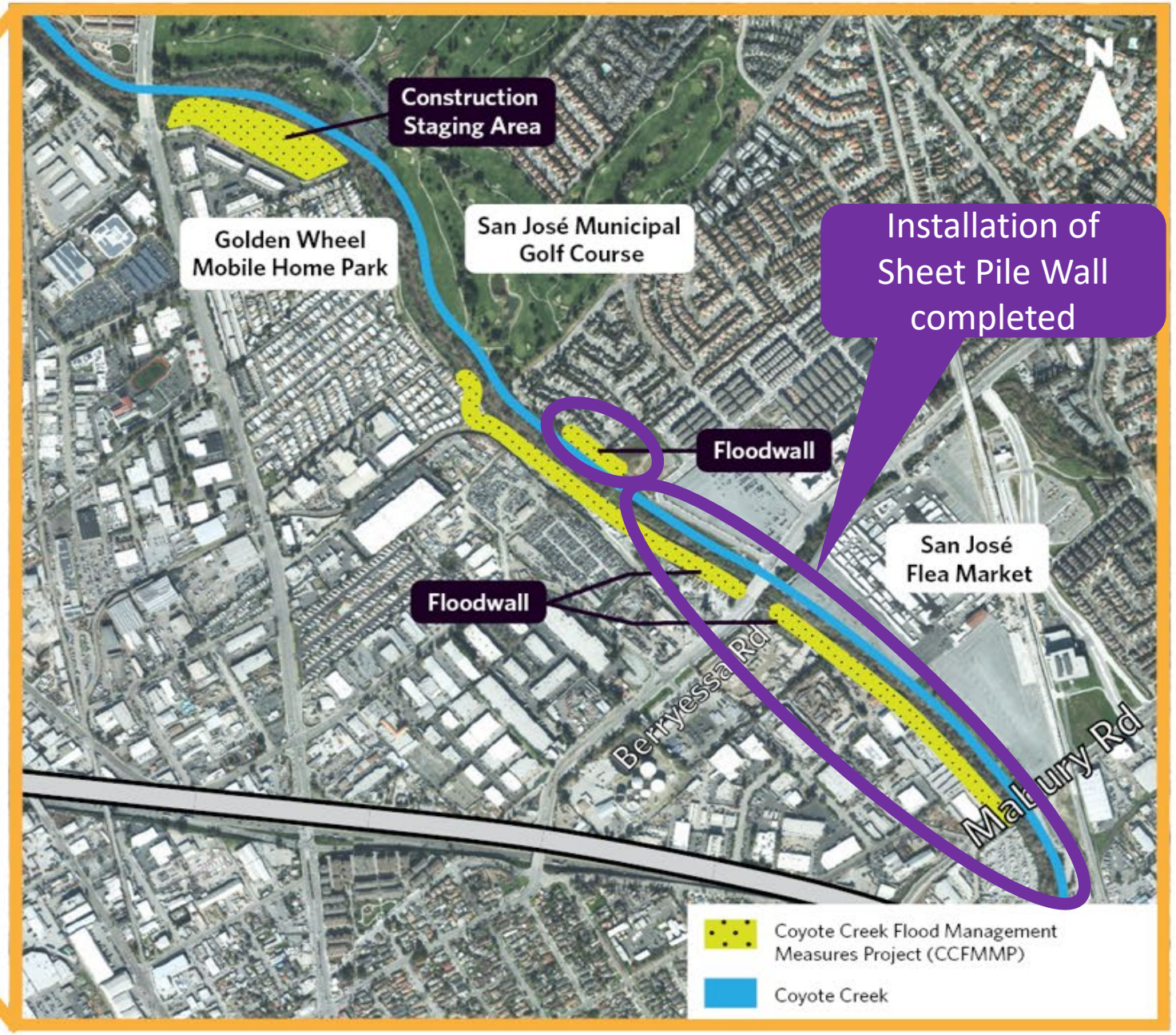
Coyote Creek Flood Management Measures Project – Construction Update

Construction Progress – Phase 1

REACH 5

Install floodwalls to protect residential, businesses and industrial areas.

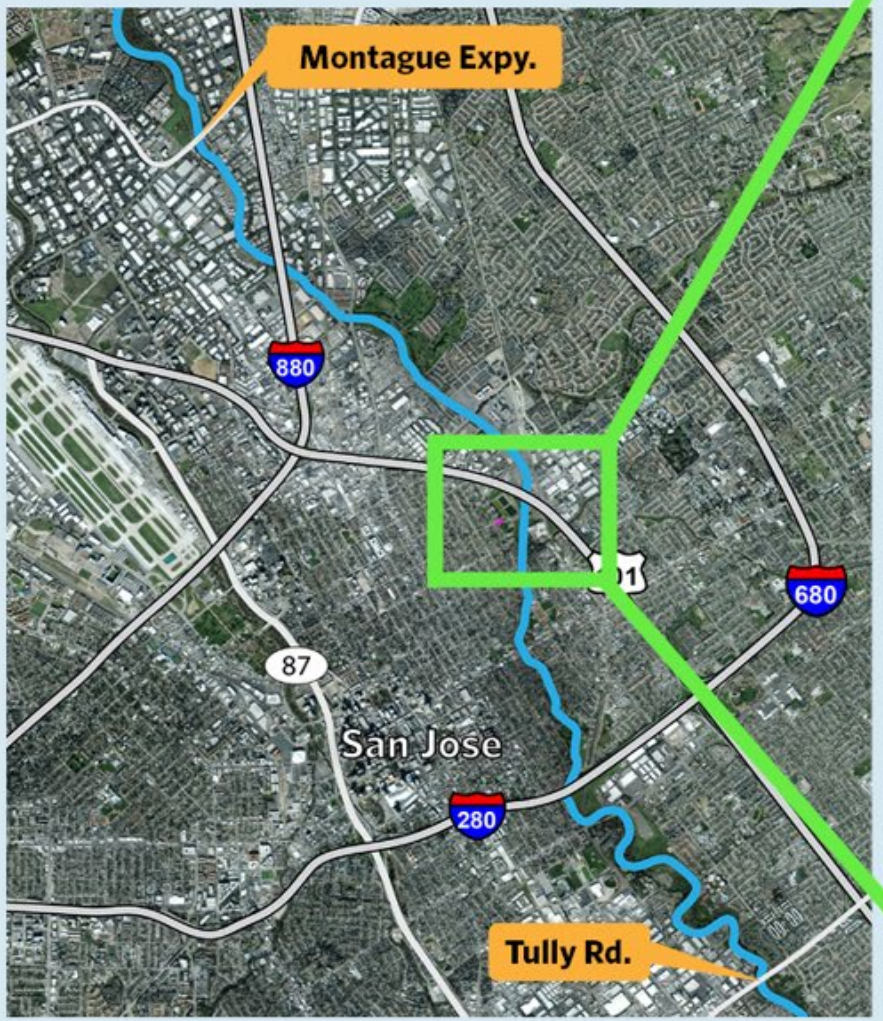




Construction Progress – Phase 1

REACH 6

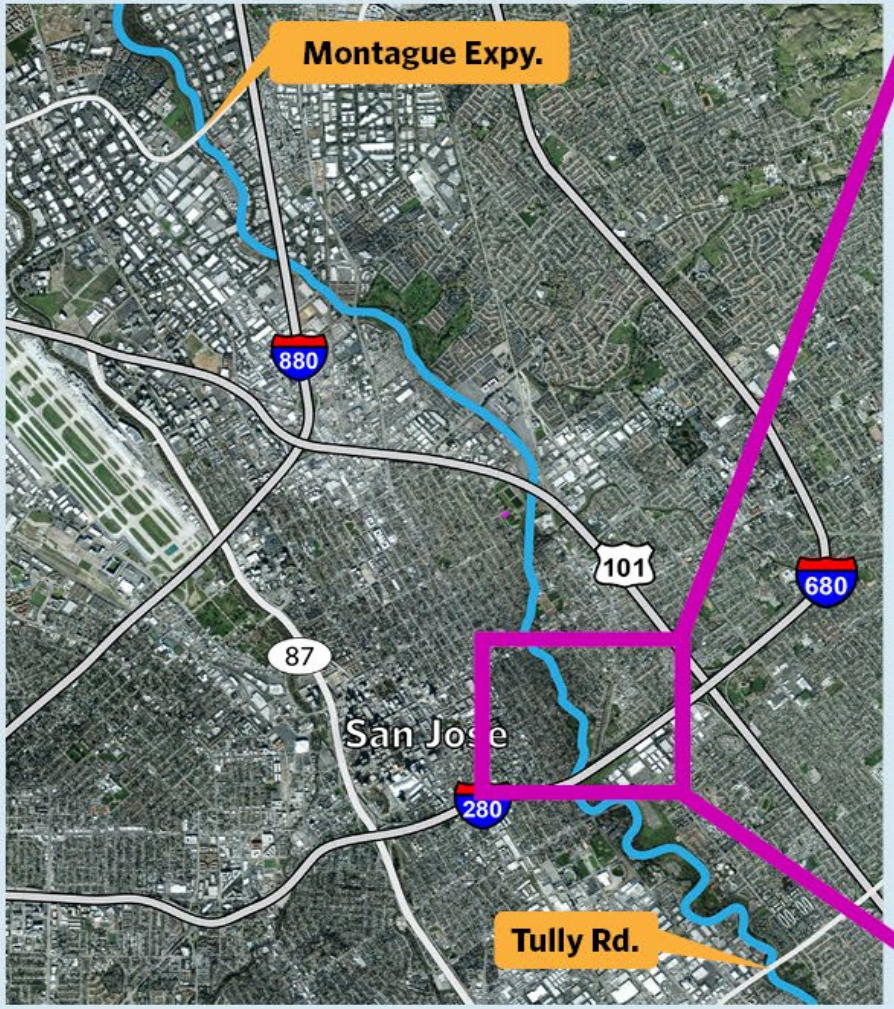
Install floodwalls to protect residential, businesses and industrial areas.



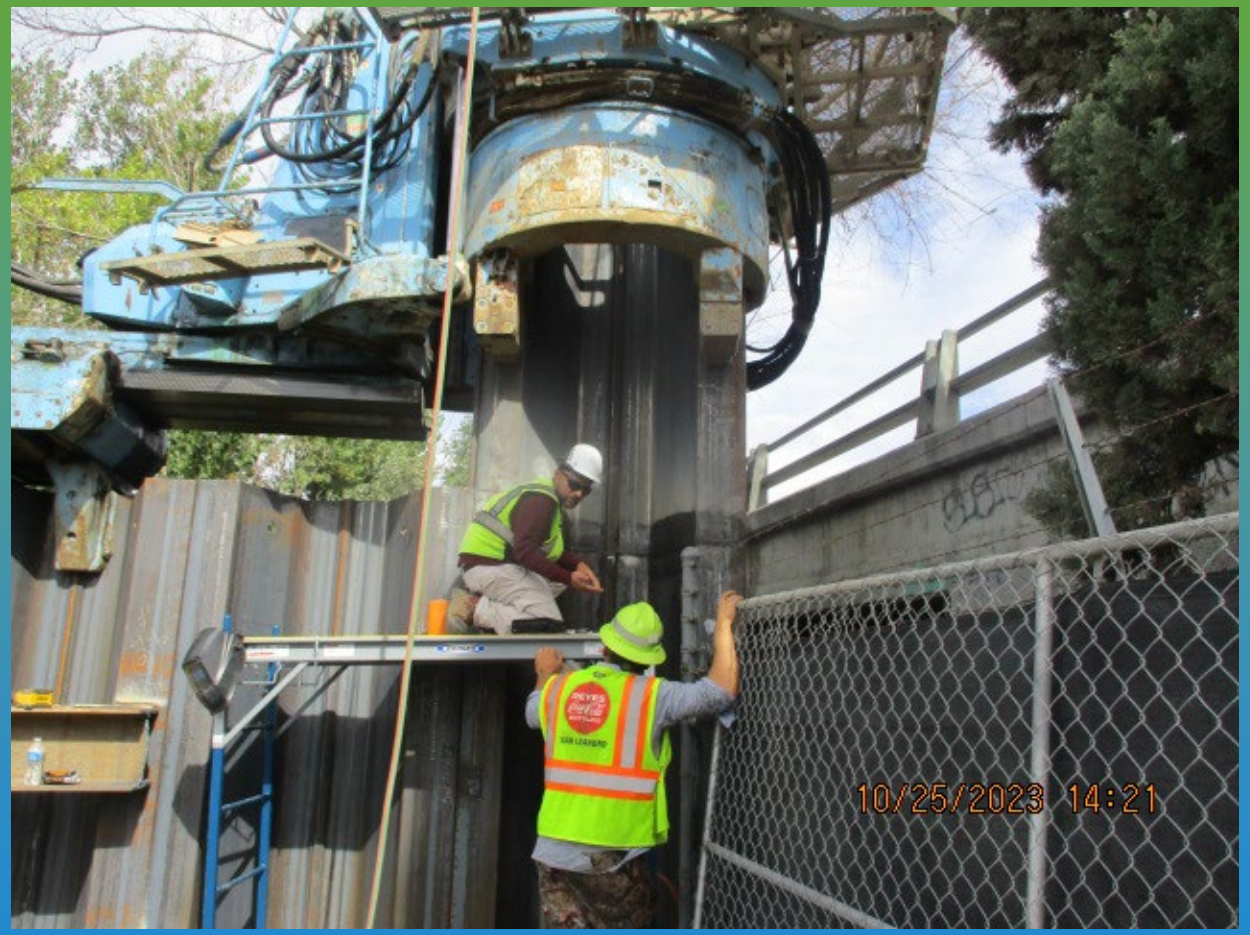
Construction Progress – Phase 1

REACH 7

Install floodwalls to protect residential, businesses and industrial areas.



Construction Photos



Construction Photos

Updates Available Online

SCAN THE QR CODE:

Or visit this website:
delivr.com/2dvgj

END OF PRESENTATION

Questions & Answers

Valley Water

Clean Water • Healthy Environment • Flood Protection