SAFER Bay Project Public Scoping Meeting

Notice of Preparation
May 19, 2022

SAN FRANCISQUITO CREEK
JOINT POWERS AUTHORITY

Esta reunión será interpretada al español.

This meeting will be interpreted into Spanish.

Language Courtesies and Interpretation Logistics

Cortesías sobre el idioma y logística de interpretación.

Logistics and Key Meeting Details

- Meeting is being recorded and will be posted on sfcjpa website
- Use Q&A for questions
- Polls

Tribal Lands Acknowledgement

The SAFER Bay Project sits on the traditional territory and unceded homeland of more than nine tribes of First Peoples – the Ohlone - who are the original inhabitants of the San Francisco Peninsula.

As the indigenous stewards of this land and in accordance with their traditions, the First Peoples have acted as caretakers of this place for millennia. We recognize the benefit of living and working in their traditional homeland.

This acknowledgement demonstrates a commitment for a process that recognizes the sovereign rights of First Peoples.

Organization

1. Welcome
2. Environmental Review Process
3. Proposed Project Overview
4. Additional public outreach
5. Comments and Questions

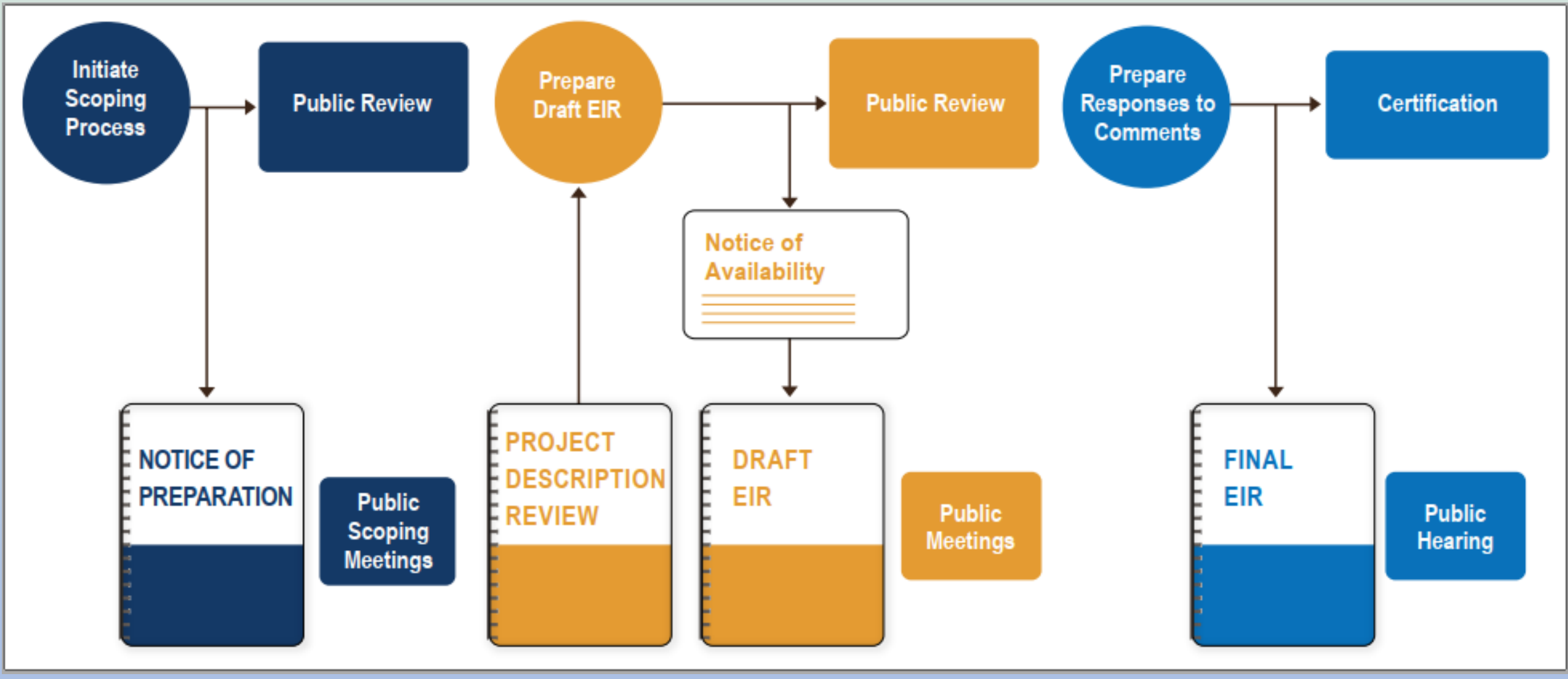
Welcome

Drew Combs, Menlo Park City Council, District 2 Representative and Vice Chair, SFCJPA Board

California Environmental Quality Act

- Directs agencies to:
  - Evaluate environmental impacts before considering approval of a project
  - Identify ways to reduce impacts
- Involves public in project planning
- Key document: the Environmental Impact Report

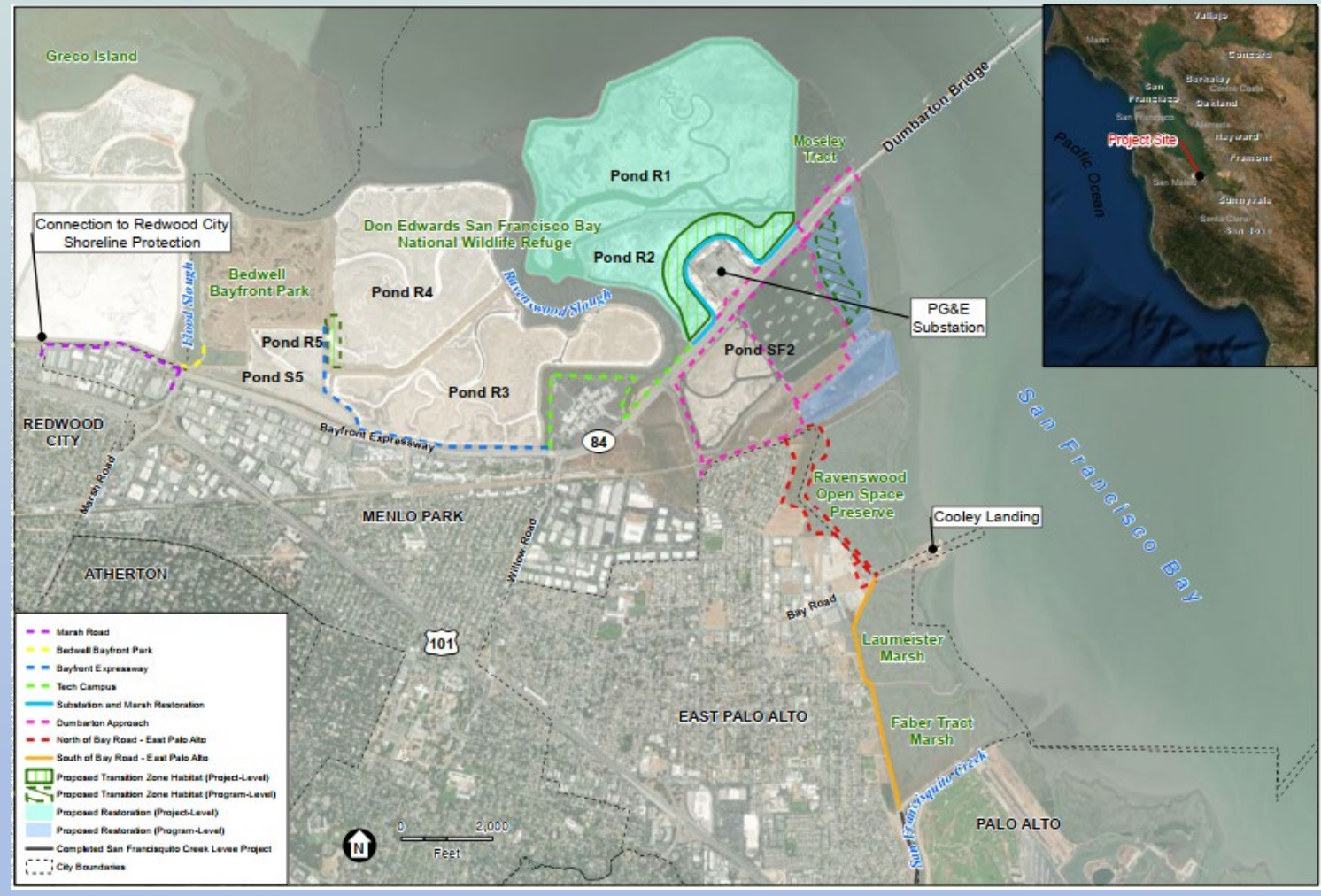
Environmental Impact Report Process



April 2022 | 2023 | Early 2024 | Late 2024

SAFER Bay EIR Level of Detail

- Project will be implemented in phases
- EIR will:
  - Evaluate Project comprehensively ("program level")
- Include more detail for 2 reaches ("project level")



EIR Contents

Summary

Project Description

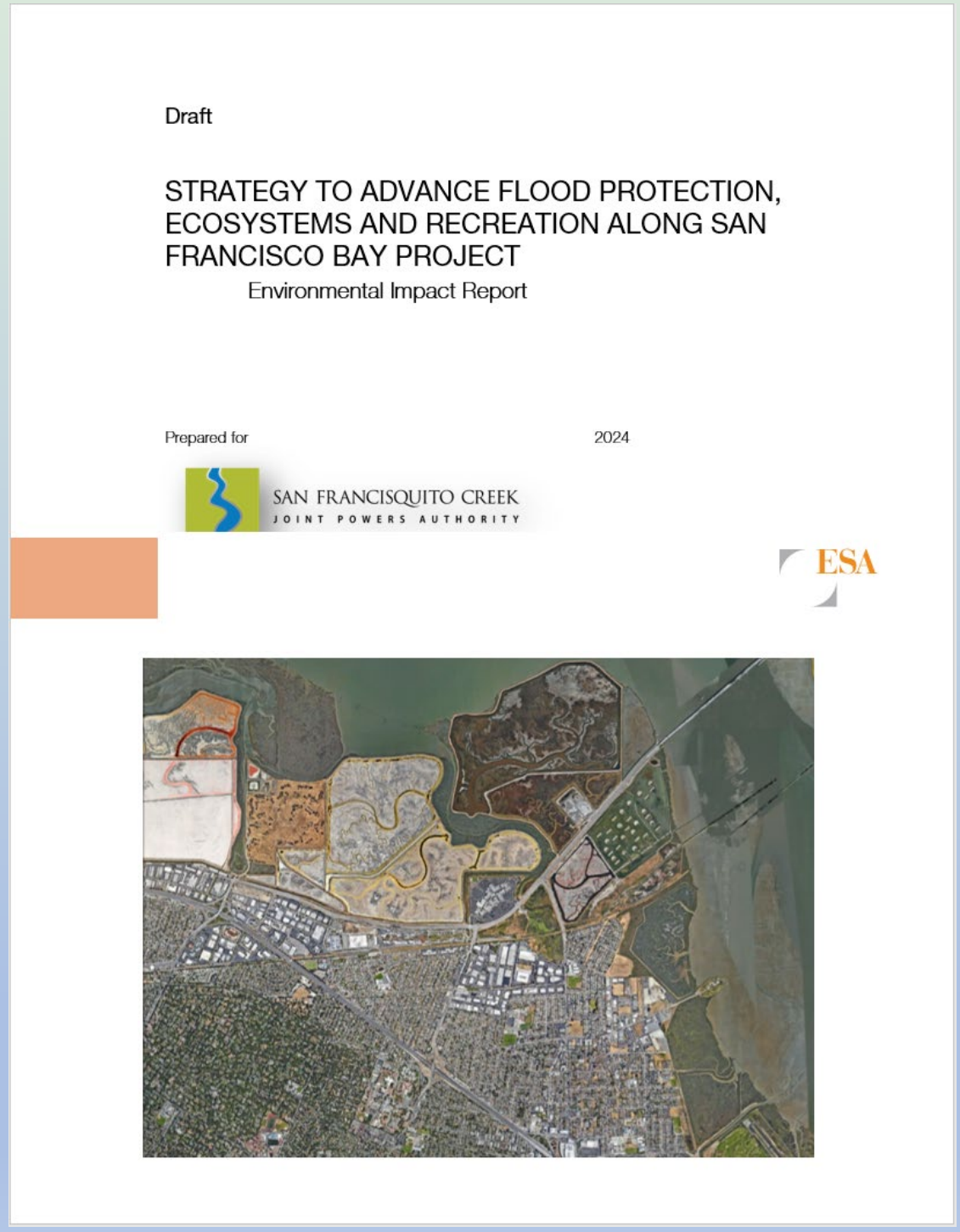
- Design, construction and operations

Environmental Setting

Environmental Impacts

Ways to reduce significant impacts

- Mitigation Measures
- Alternatives

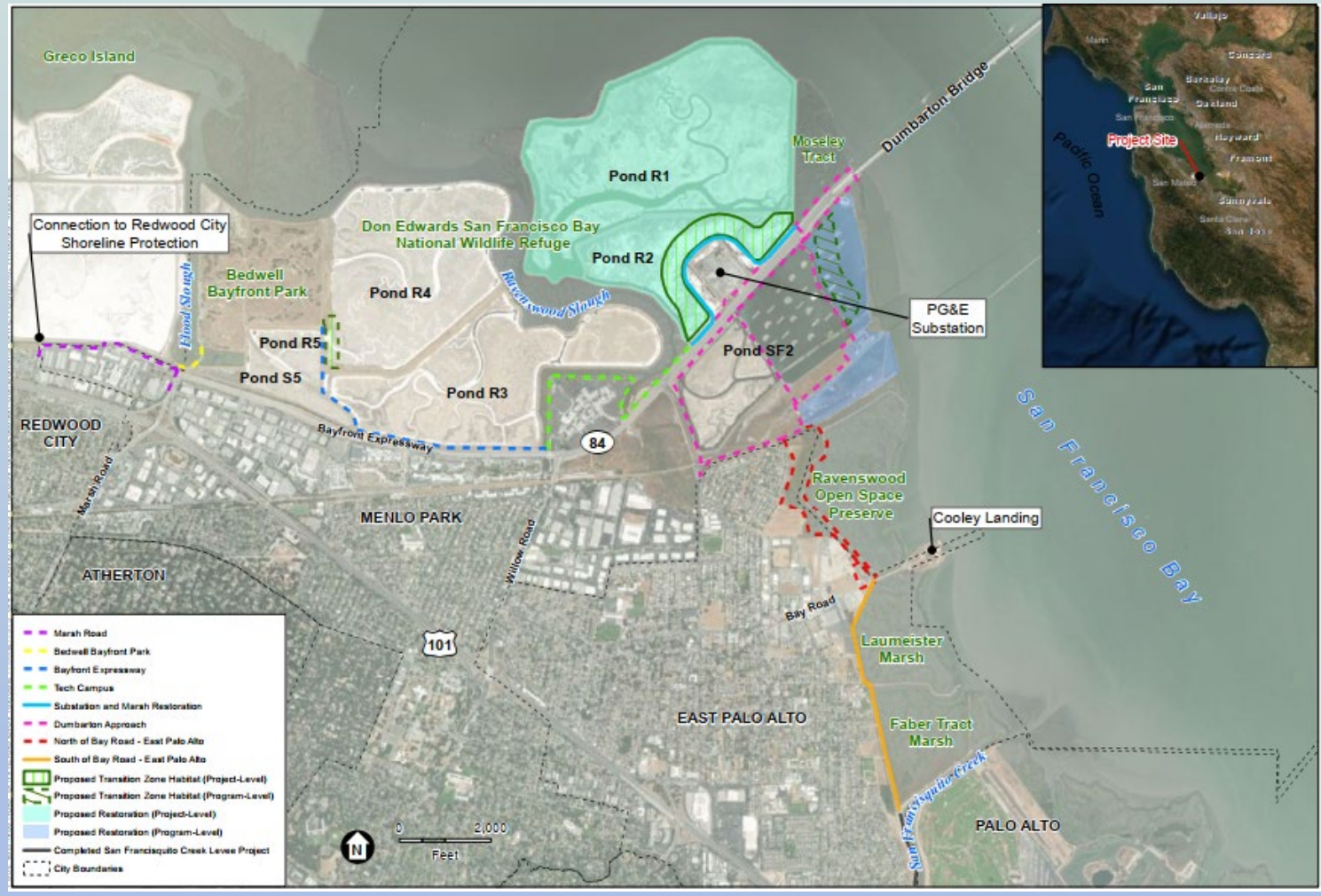


Issues to be Investigated in the EIR

- Aesthetics
- Agricultural Resources
- Air Quality
- Biological Resources
- Cultural Resources and Tribal Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards, Hazardous Materials
- Hydrology and Water Quality
- Noise
- Recreation
- Traffic and Transportation
- Utilities and Public Services
- Wildfire
- Alternatives

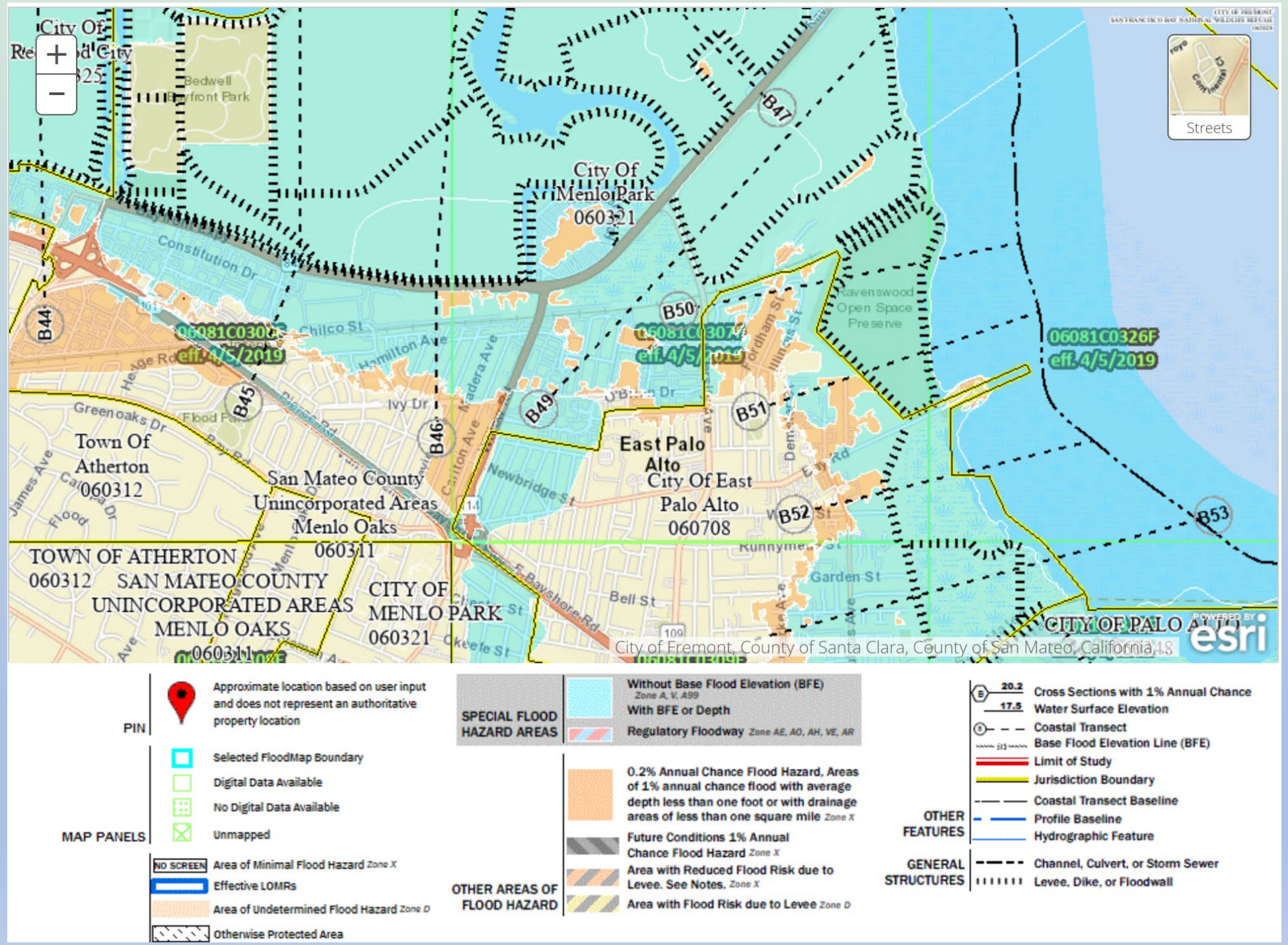
Environmental Justice

Would the Project Disproportionately Affect Disadvantaged Communities?



SAFER Bay Overview

Feasibility Study- 2016

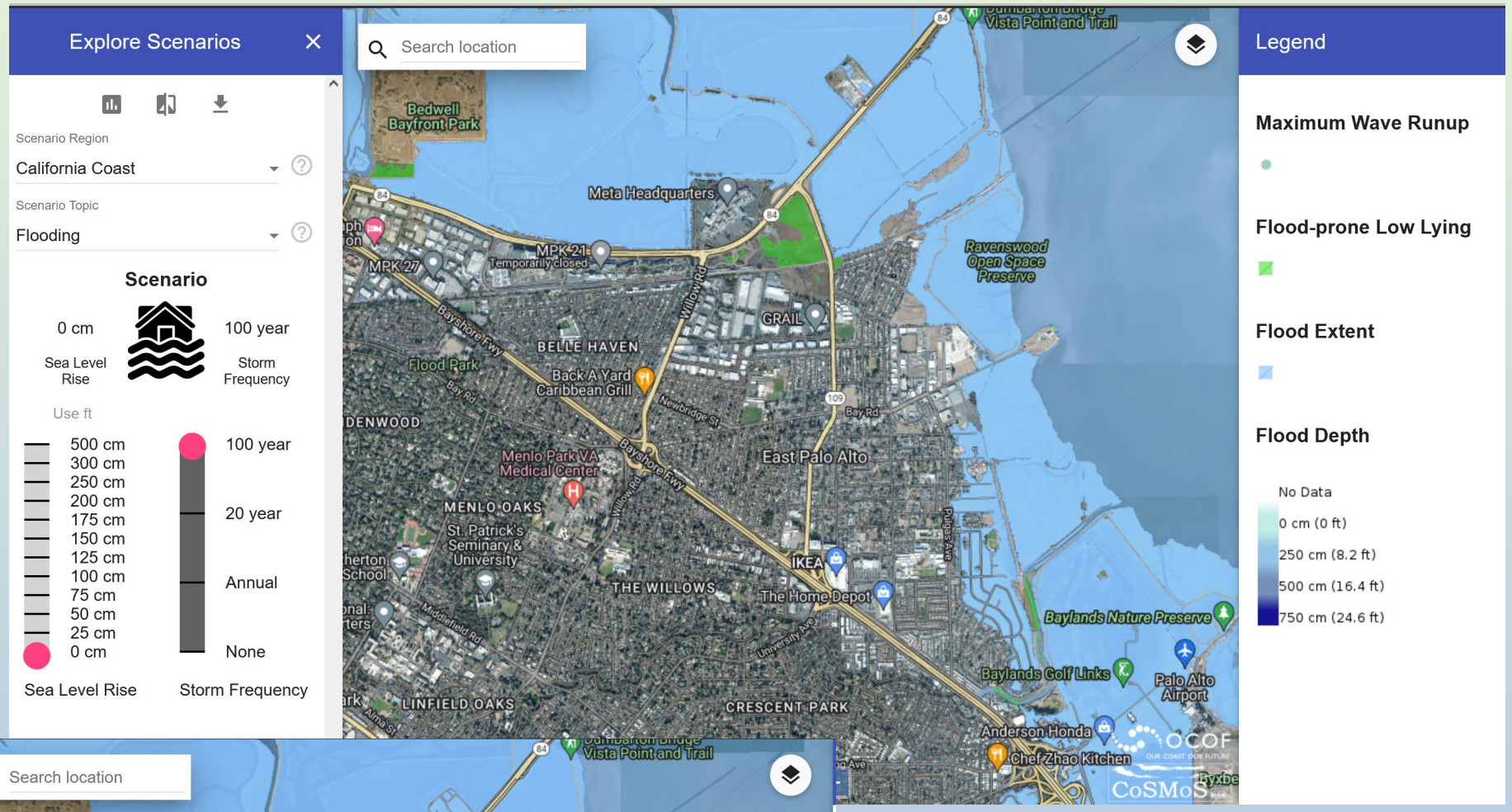


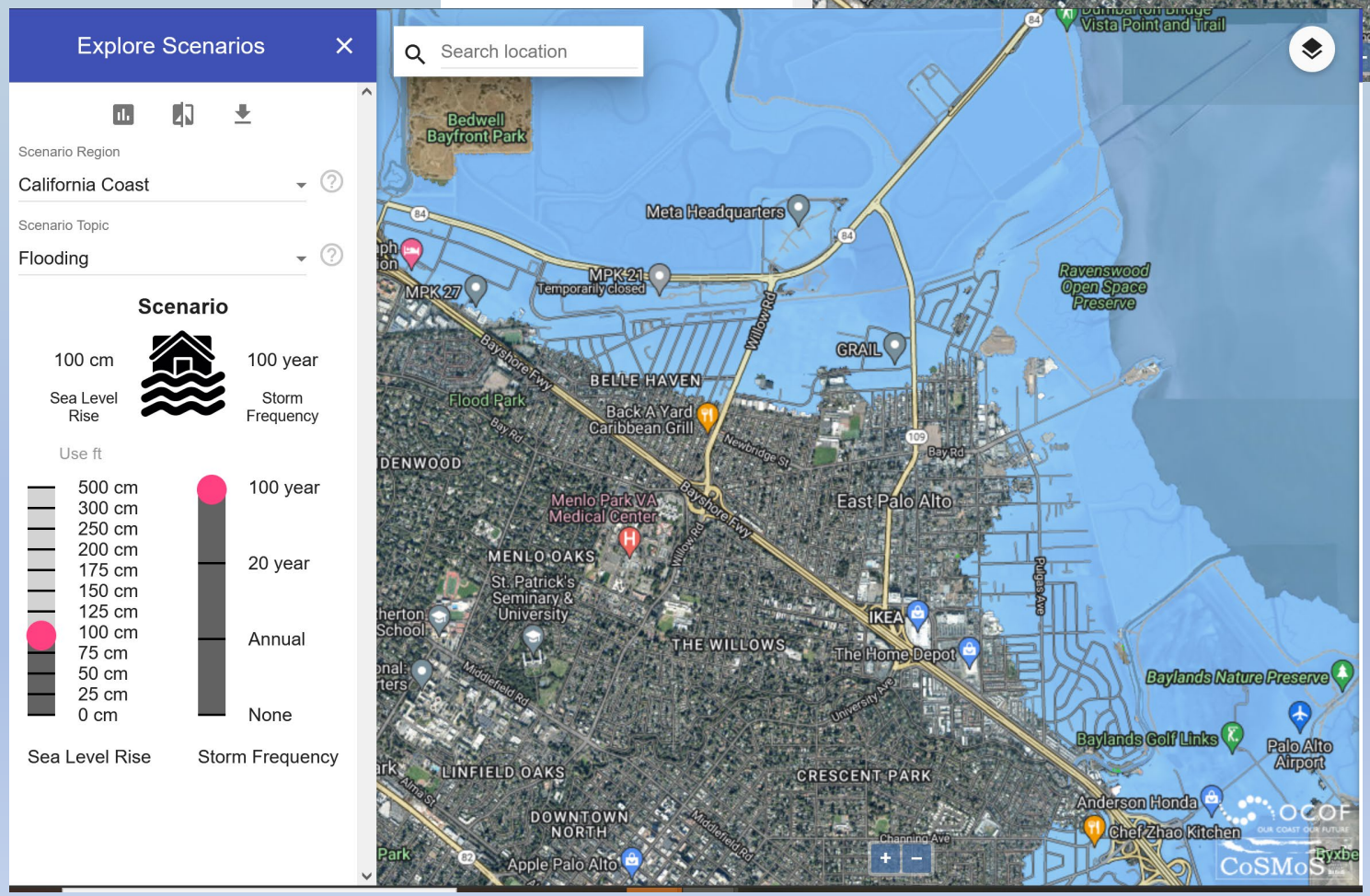
Overarching Goals:

- *Nature-based flood protection and restoration of former marshes*
- *Protect properties and critical infrastructure*
- *Increase recreational opportunities*

Source: FEMA Flood Map Service Center https://msc.fema.gov/portal/home

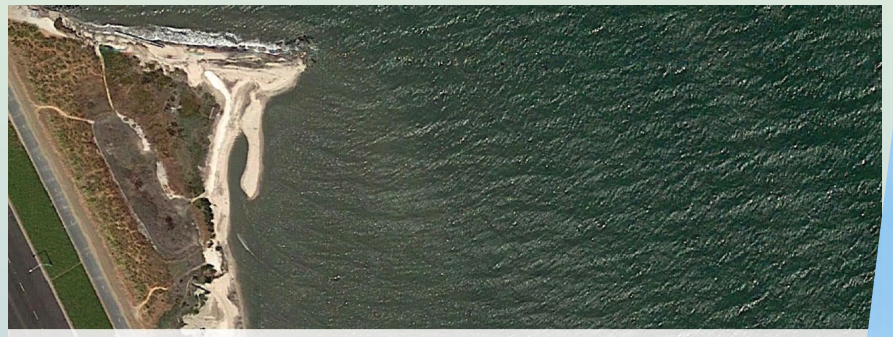
Sea Level Rise





Source:
https://ourcoastourfuture.org/hazard-map/

Multiple Studies = converging consensus on approach



SAN FRANCISCO BAY SHORELINE
Adaptation Atlas

Working with Nature to Plan for Sea Level Rise
Using Operational Landscape Units

RESILIENT BY DESIGN
BAY AREA CHALLENGE

THE FIELD OPERATIONS TEAM

DUMBARTON BRIDGE
WEST APPROACH +
ADJACENT COMMUNITIES
RESILIENCE STUDY
TECHNICAL REPORT
JUNE 2020

Caltrans · Metropolitan Transportation Commission · Bay Area Regional Collaborative · bcdc · Menlo Park · Coastal Conservancy · San Francisquito Creek Joint Powers Authority

Public Draft Feasibility Report

SAFER Bay Project

Strategy to Advance
Flood protection, Ecosystems and
Recreation along San Francisco Bay

East Palo Alto and Menlo Park

(Task Order 1)

October 2016

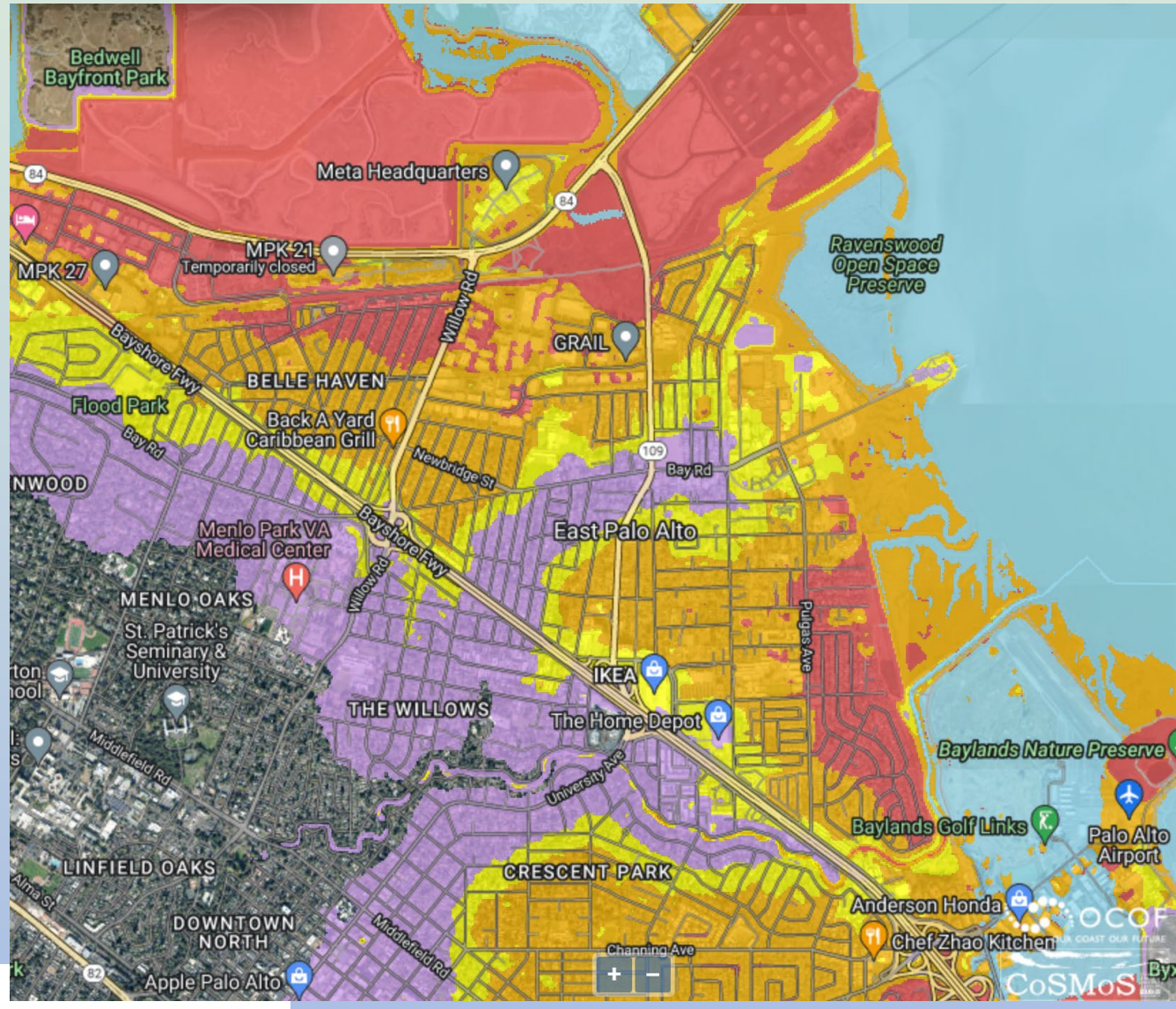
SFCJPA.ORG

San Francisquito Creek
Joint Powers Authority
615 B Menlo Avenue
Menlo Park, CA 94025

COUNTY OF SAN MATEO
SEA LEVEL RISE
VULNERABILITY
ASSESSMENT

Engineering Design Criteria

- Ocean Protection Council 2020 recommendation for 3.5 feet of projected sea level rise by 2050
- 100-year (1%) tide
- FEMA freeboard, settlement, wave runup, etc. for certified levees



Emergent groundwater in red. Source: https://ourcoastourfuture.org/hazard-map/

Objective 1.1 | Build Resiliency to Sea-Level Rise, Coastal Storms, Erosion, and Flooding

Target

1.1.1: Ensure California's coast is resilient to at least 3.5 feet of sea-level rise by 2050, as consistent with the State's Sea-Level Rise Guidance Document as appropriate for a given location or project.[9] This target will be modified periodically based on the best available science and updates to the State's Sea-Level Rise Guidance Document.

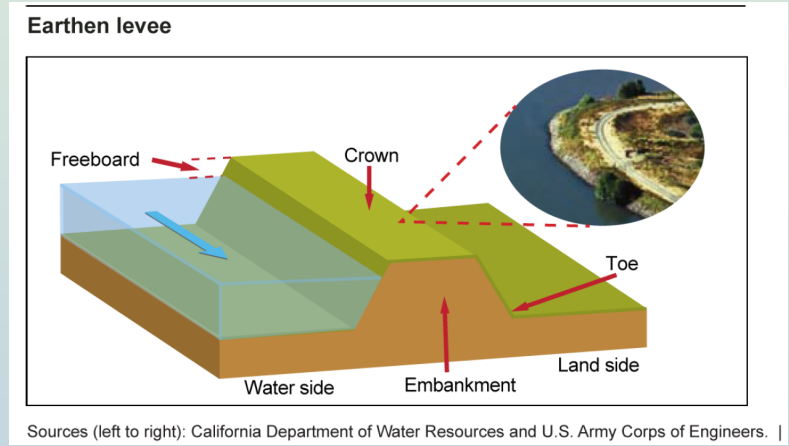
FEMA

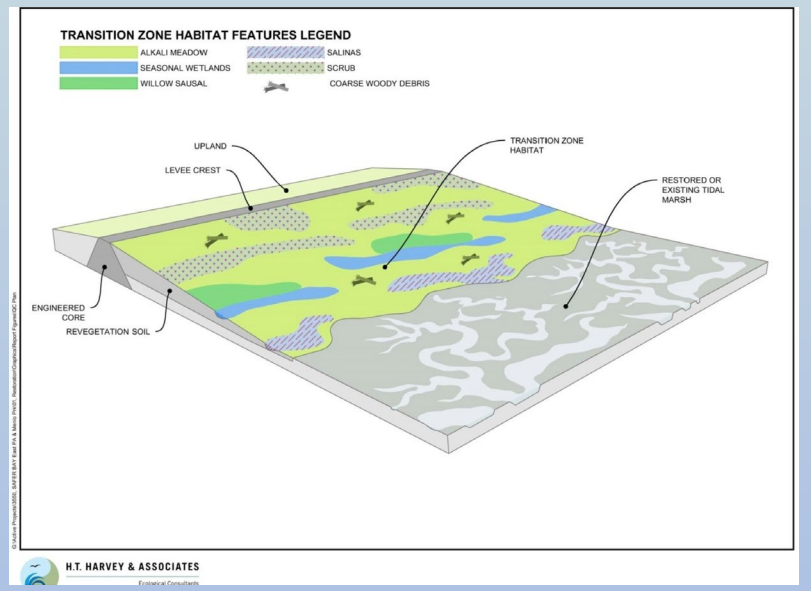
Project Level: South of Bay Rd., East Palo Alto

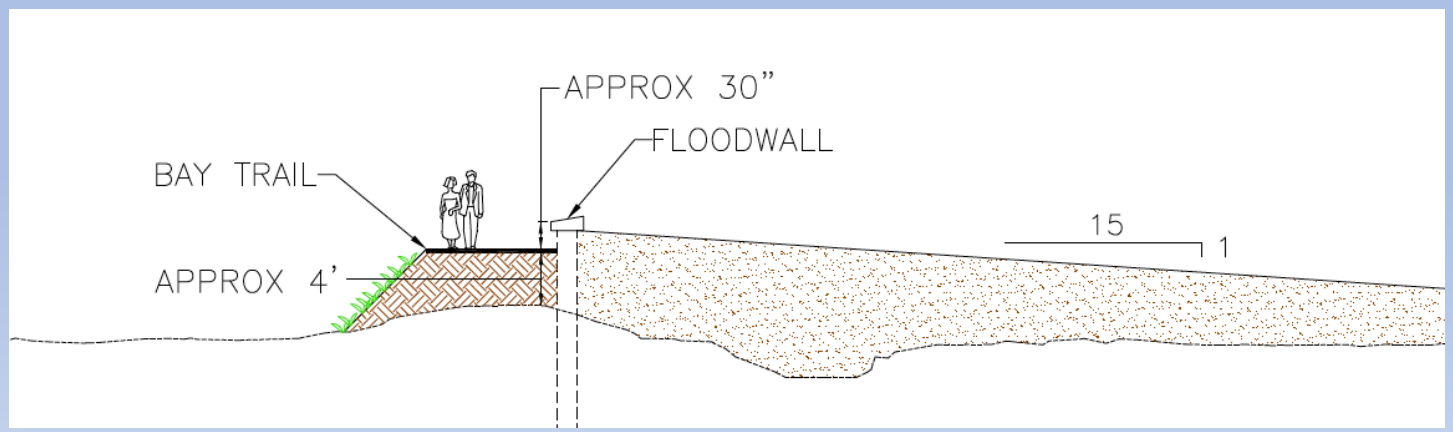
Project Level components: Menlo Park- Restoration of Ponds R1 and R2

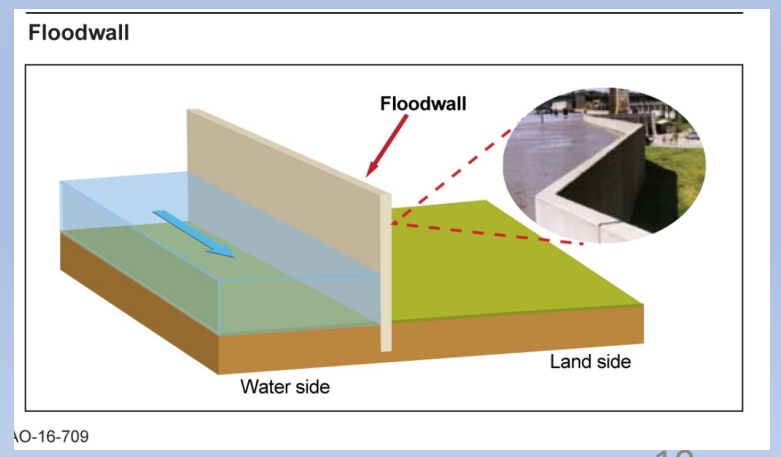
Types of Flood Protection Considering:

- Standard levee with 3:1 slopes
- Standard levee with broader slopes water side of 5:1 or 7:1
- Ecotone levee with very broad slopes of 30:1
- Conventional floodwall
- Hybrid sheetpile floodwall



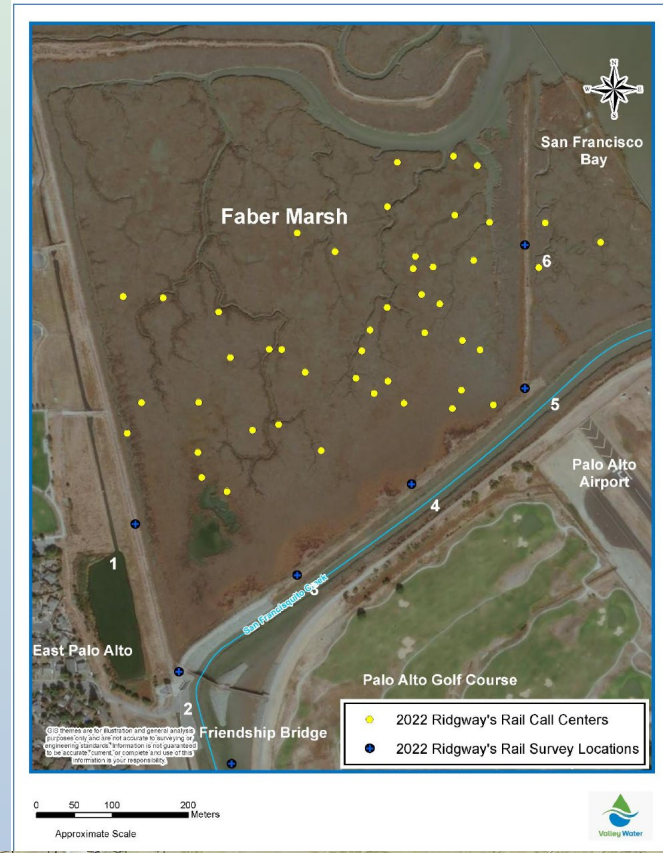


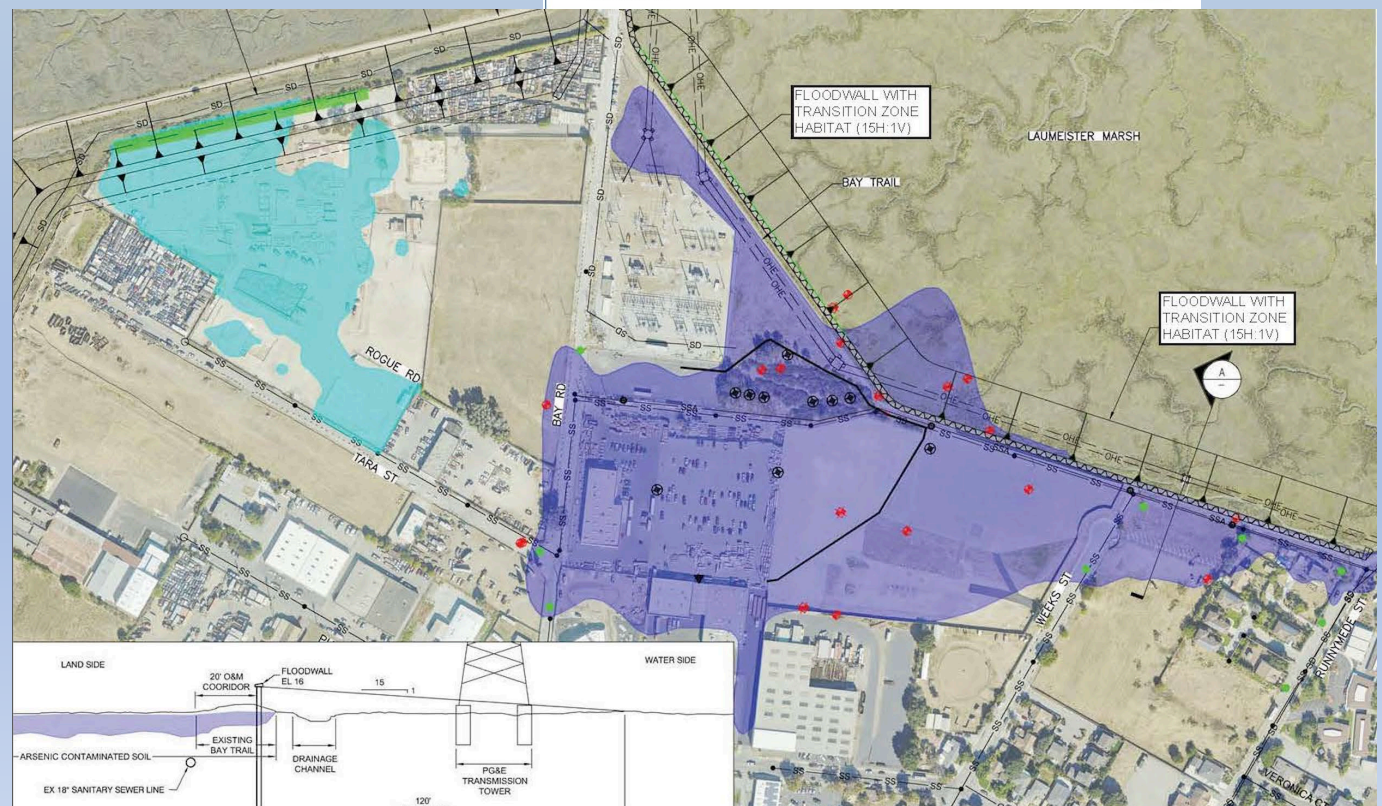




Type of Flood protection depends on site specific constraints

- Geotechnical and engineering requirements
- Location- adjacent to high value marsh and existing homes and school
- Contamination
- Available space- Cooley Landing Substation
- Underground and overhead utilities





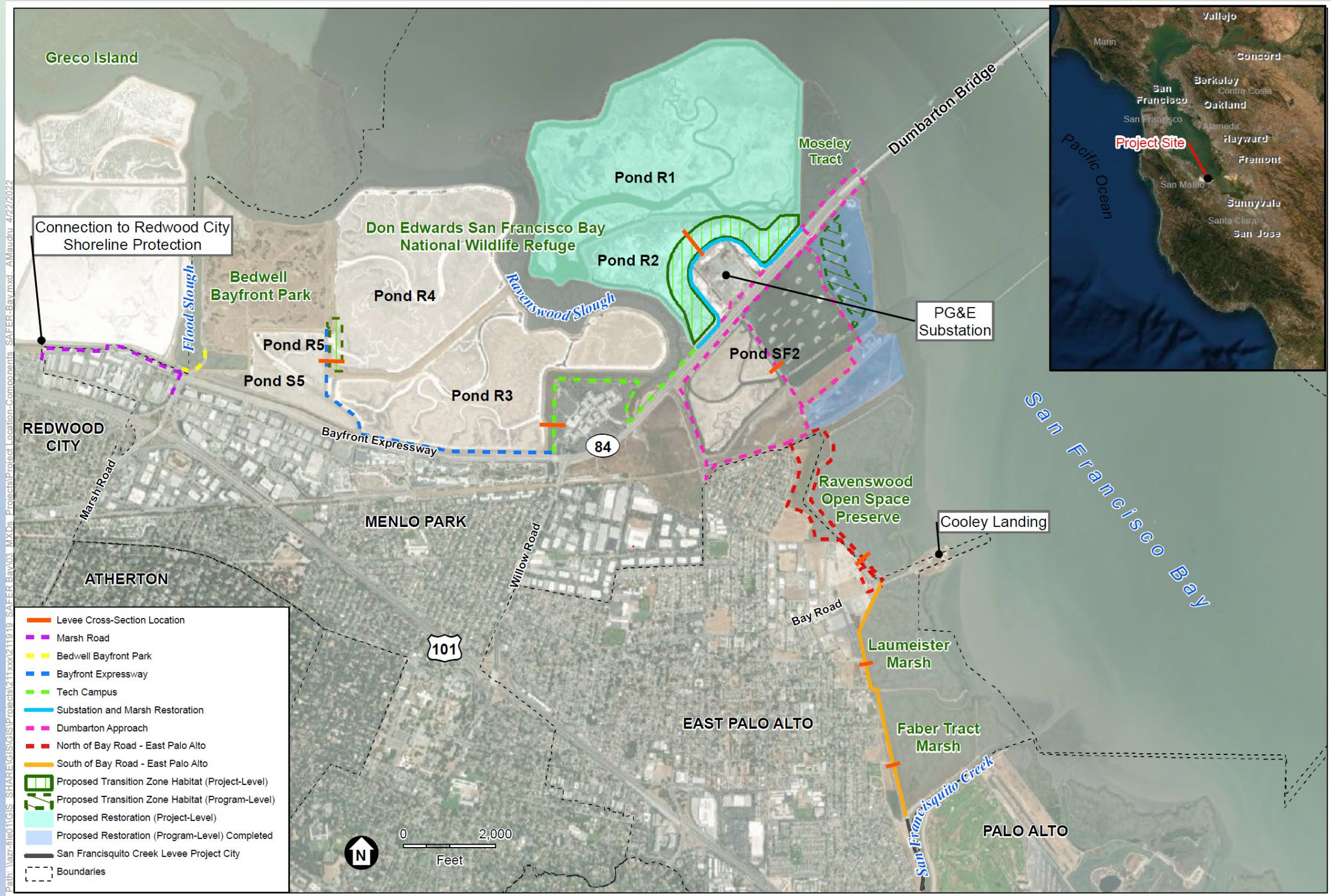
3 Rs: Restoration, Recreational Improvements and Regional Coordination

Restore former Salt Ponds R1 and R2 (~600 acres)

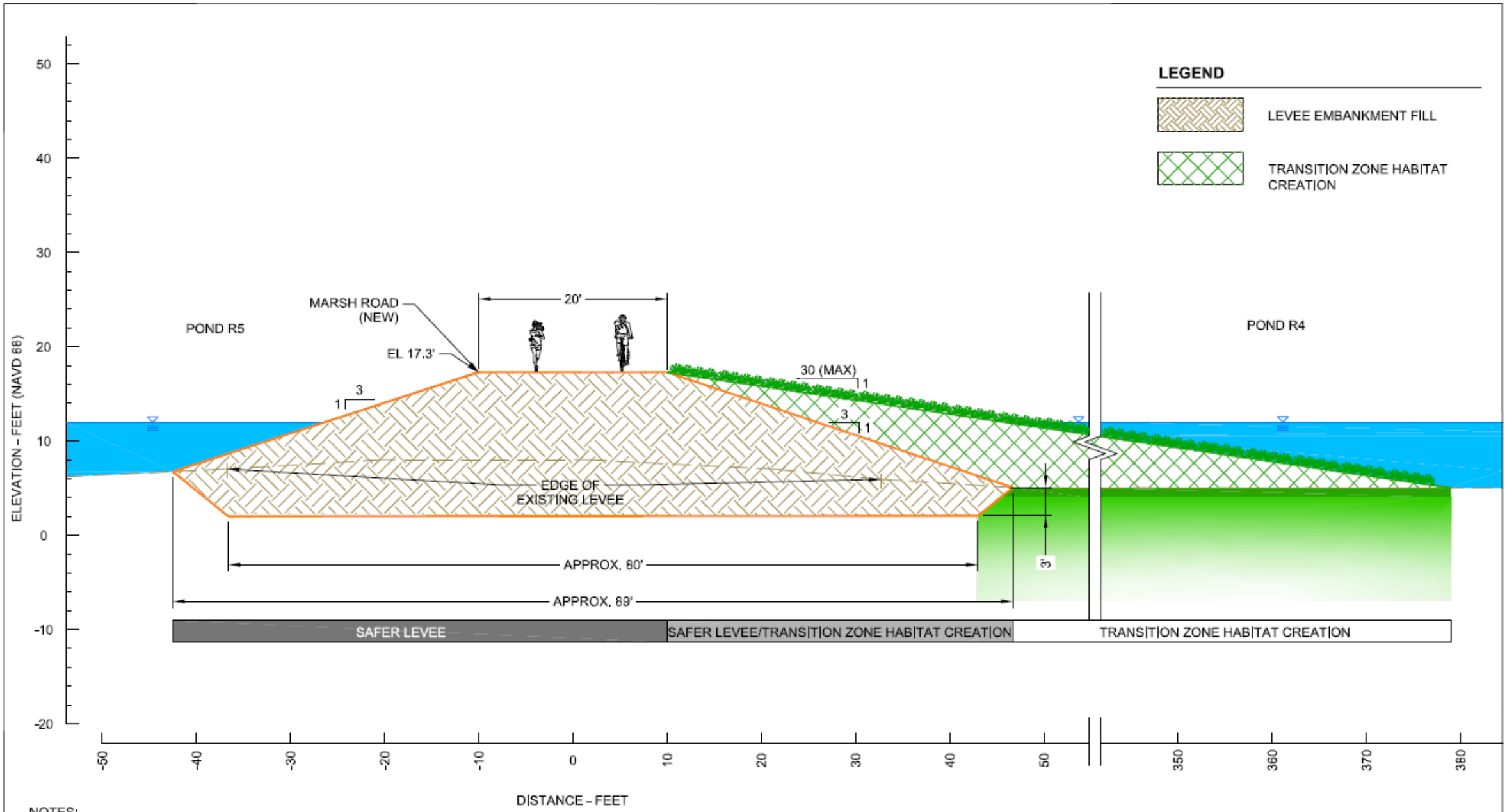
Recreation: Upgrade Bay Trail

Regional and local Coordination- solution does not cause increased flooding in other areas

Example Cross Sections



Bedwell Bayfront Park



NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. LEVEE HEIGHT ASSUMES 1 FT OF POST-CONSTRUCTION SETTLEMENT
4. TRANSITION ZONE DESIGNED TO BE INTEGRATED WITH AND EXPANDED UPON SBSPRP TRANSITION ZONE IMPROVEMENTS
4. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019

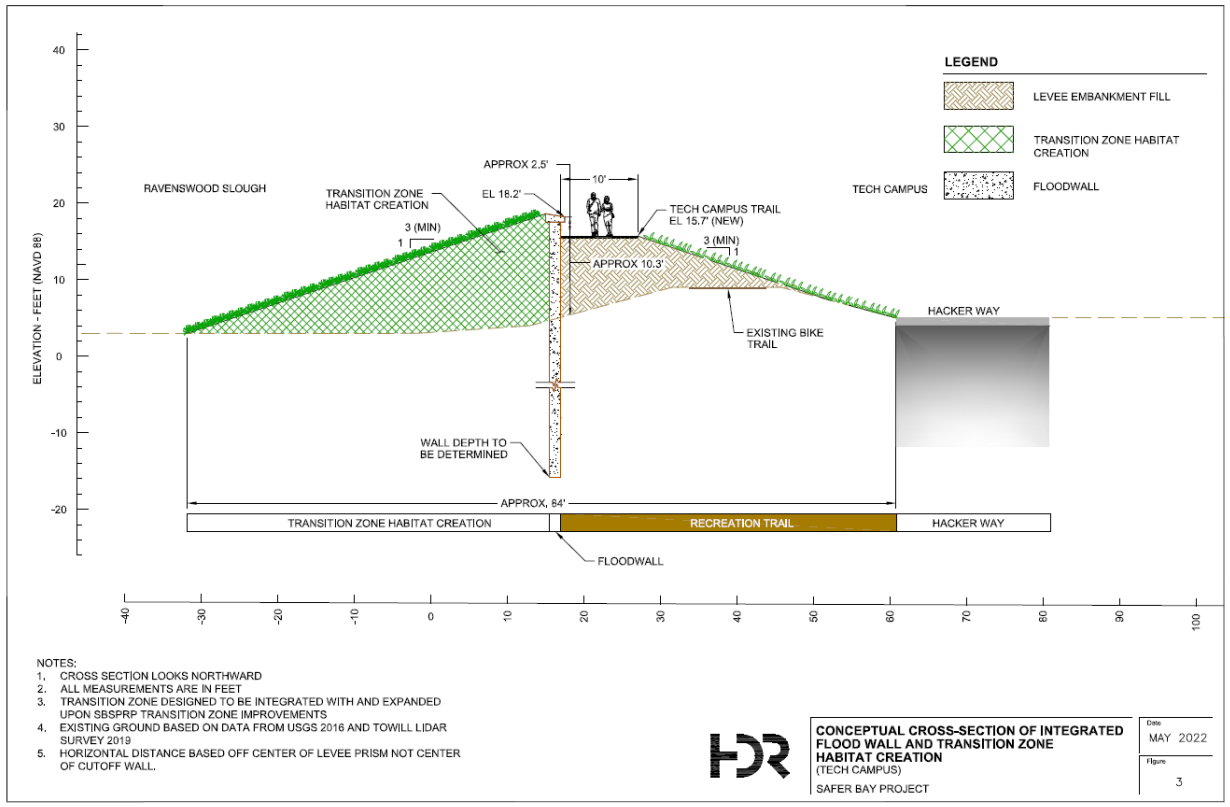
CONCEPTUAL CROSS-SECTION OF LEVEE WITH TRANSITION ZONE HABITAT
(BEDWELL BAYFRONT PARK)

SAFER BAY PROJECT

Date: MAY 2022

Figure: 2

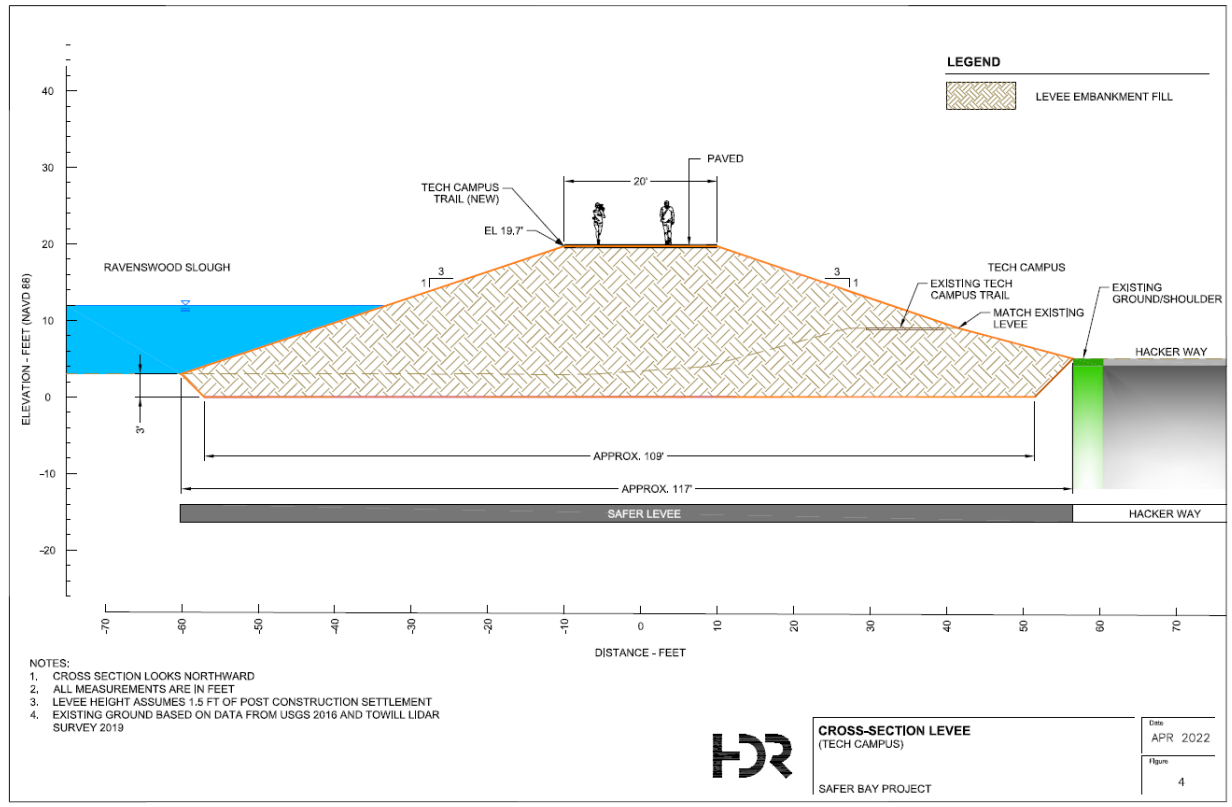
Tech Campus



NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. TRANSITION ZONE DESIGNED TO BE INTEGRATED WITH AND EXPANDED UPON SBSPRP TRANSITION ZONE IMPROVEMENTS
4. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019
5. HORIZONTAL DISTANCE BASED OFF CENTER OF LEVEE PRISM NOT CENTER OF CUTOFF WALL.

CONCEPTUAL CROSS-SECTION OF INTEGRATED FLOOD WALL AND TRANSITION ZONE HABITAT CREATION
(TECH CAMPUS)
SAFER BAY PROJECT

Date: MAY 2022
Figure: 3

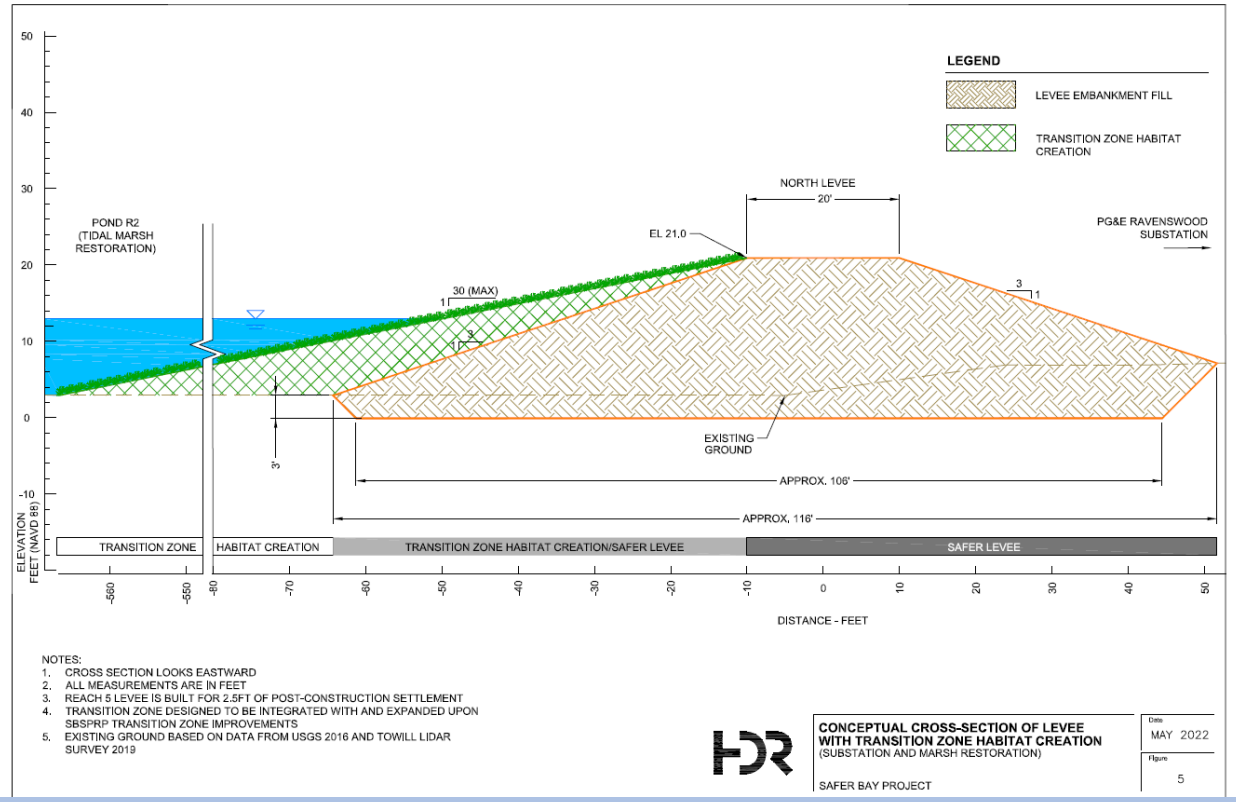


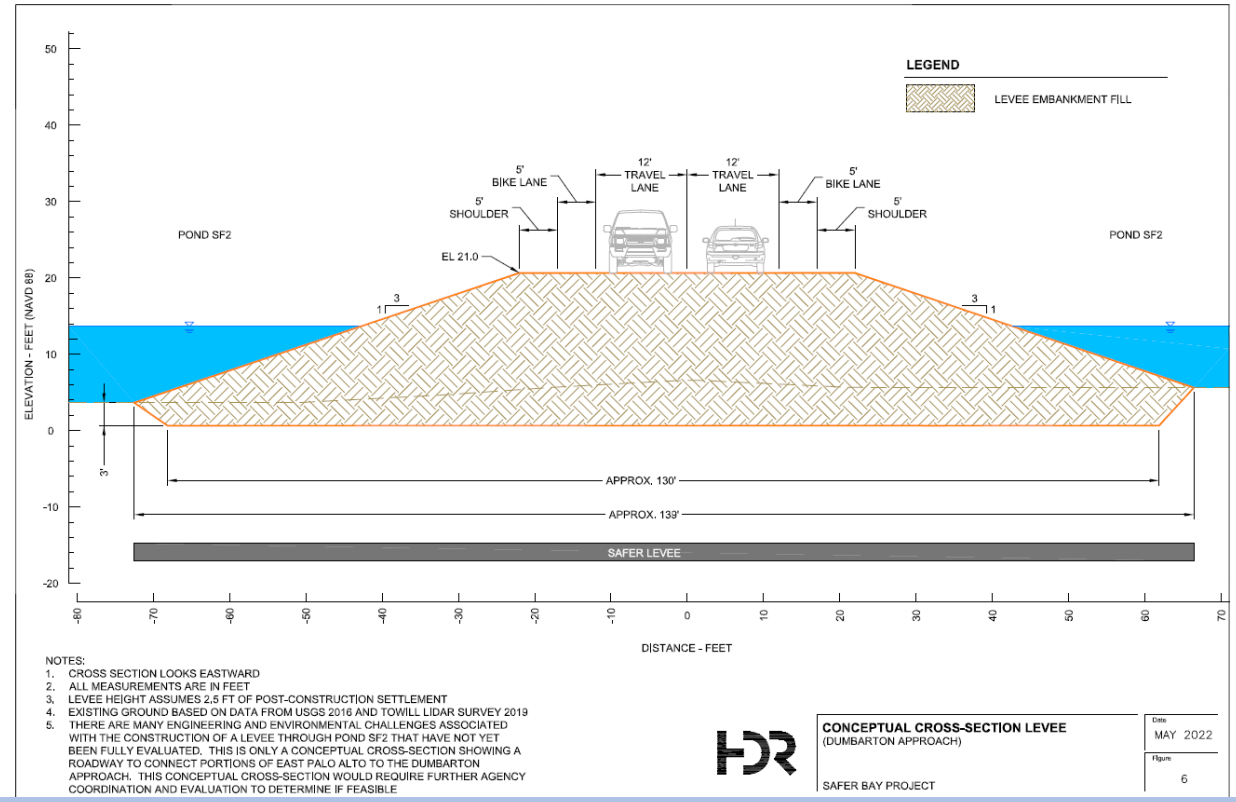
NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. LEVEE HEIGHT ASSUMES 1.5 FT OF POST CONSTRUCTION SETTLEMENT
4. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019

CROSS-SECTION LEVEE
(TECH CAMPUS)
SAFER BAY PROJECT

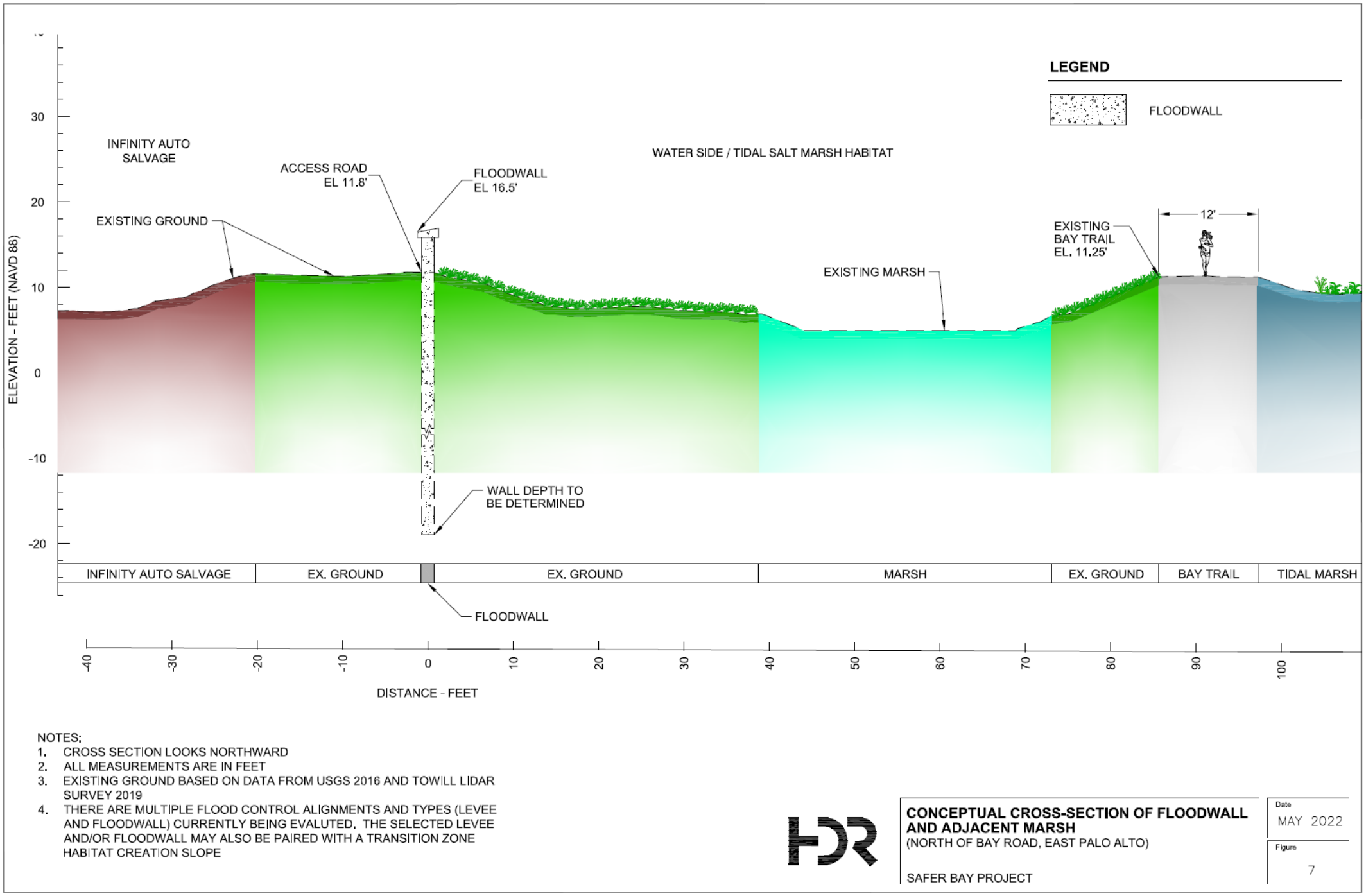
Date: APR 2022
Figure: 4

Substation and Dumbarton Approach





North of Bay Road, EPA



NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019
4. THERE ARE MULTIPLE FLOOD CONTROL ALIGNMENTS AND TYPES (LEVEE AND FLOODWALL) CURRENTLY BEING EVALUTED. THE SELECTED LEVEE AND/OR FLOODWALL MAY ALSO BE PAIRED WITH A TRANSITION ZONE HABITAT CREATION SLOPE

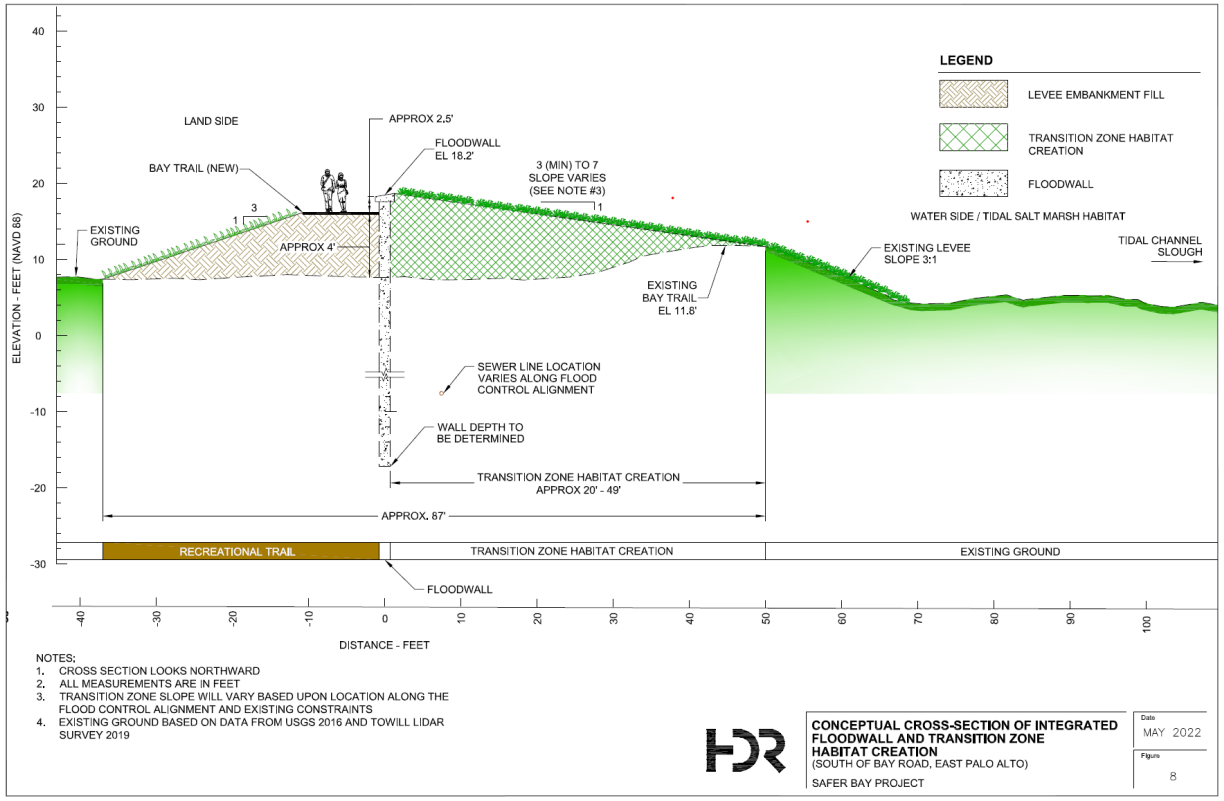
CONCEPTUAL CROSS-SECTION OF FLOODWALL AND ADJACENT MARSH
(NORTH OF BAY ROAD, EAST PALO ALTO)

SAFER BAY PROJECT

Date: MAY 2022

Figure: 7

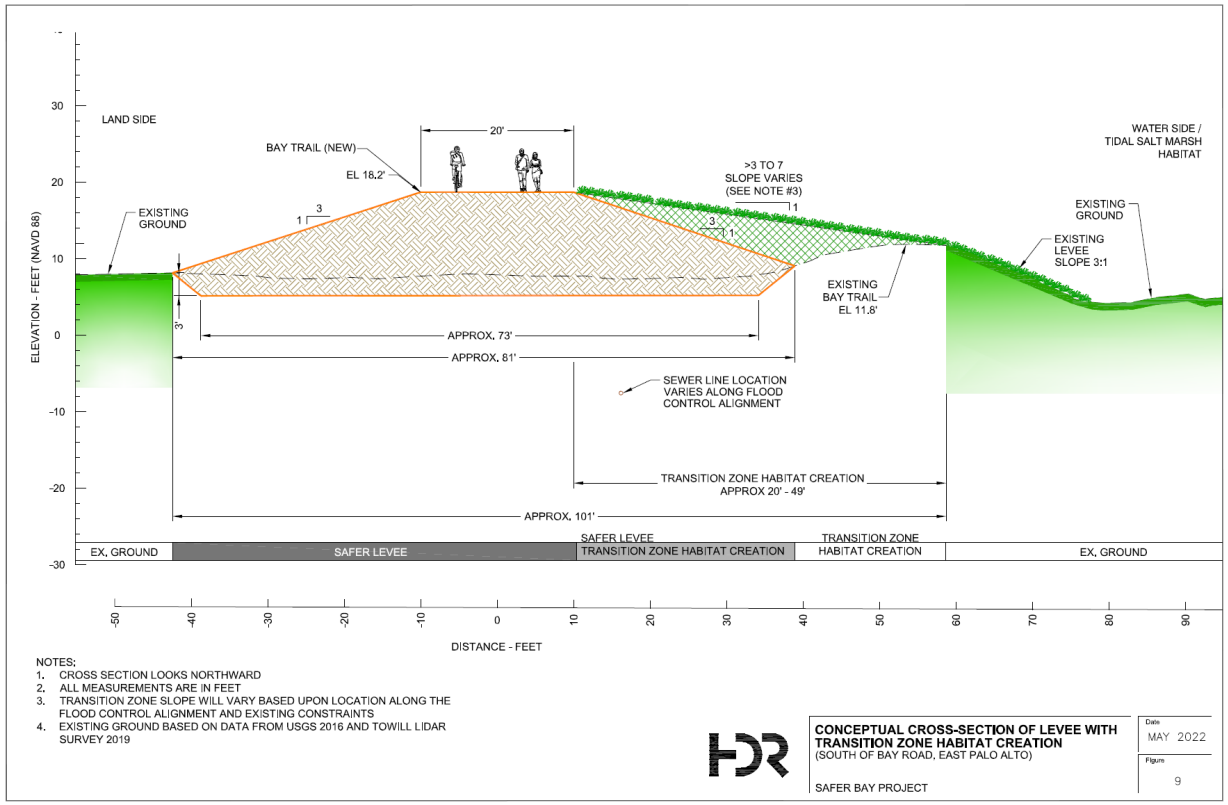
South of Bay Road, EPA



NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. TRANSITION ZONE SLOPE WILL VARY BASED UPON LOCATION ALONG THE FLOOD CONTROL ALIGNMENT AND EXISTING CONSTRAINTS
4. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019

CONCEPTUAL CROSS-SECTION OF INTEGRATED FLOODWALL AND TRANSITION ZONE HABITAT CREATION
(SOUTH OF BAY ROAD, EAST PALO ALTO)
SAFER BAY PROJECT

Date: MAY 2022
Figure: 8



NOTES:
1. CROSS SECTION LOOKS NORTHWARD
2. ALL MEASUREMENTS ARE IN FEET
3. TRANSITION ZONE SLOPE WILL VARY BASED UPON LOCATION ALONG THE FLOOD CONTROL ALIGNMENT AND EXISTING CONSTRAINTS
4. EXISTING GROUND BASED ON DATA FROM USGS 2016 AND TOWILL LIDAR SURVEY 2019

CONCEPTUAL CROSS-SECTION OF LEVEE WITH TRANSITION ZONE HABITAT CREATION
(SOUTH OF BAY ROAD, EAST PALO ALTO)
SAFER BAY PROJECT

Date: MAY 2022
Figure: 9

Preliminary Schedule

- Base mapping: Completed 2020
- Geotechnical Investigation: September 15, 2022 - January 31, 2023
- 30% Engineering Design- June 2023
- Draft Project Description: August 2023
- Draft Environmental Impact Report: Early 2024

Engagement Plan

SFCJPA Board Adopted – **Bay Adapt Guiding Principles**

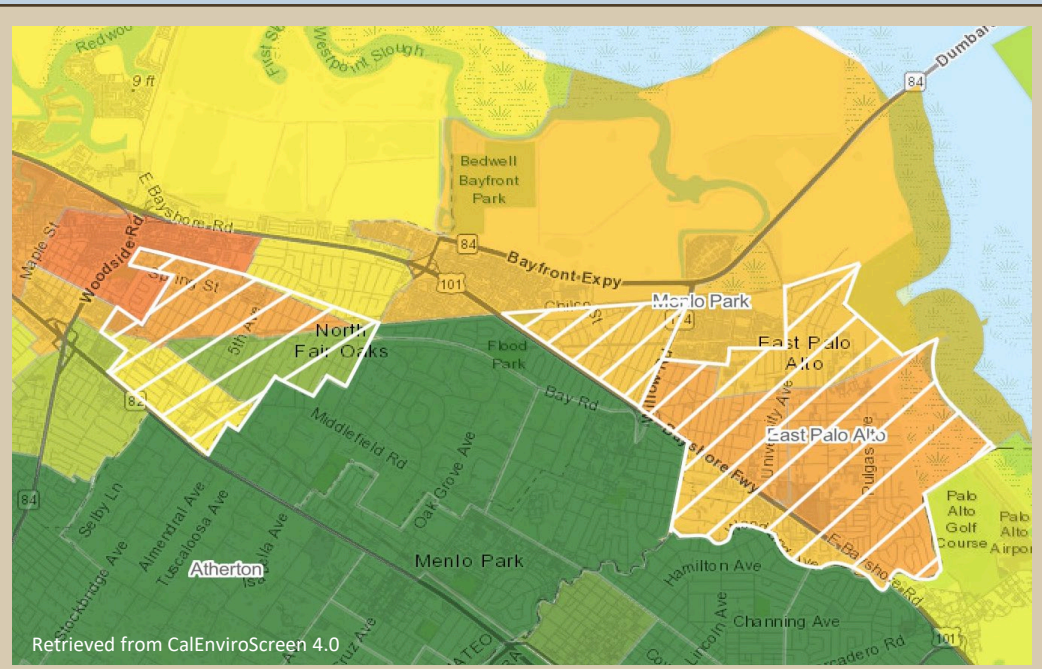
- Support socially vulnerable communities
- Nature first whenever possible
- Support existing efforts – plan for long term
- Practice inclusive and community led governance

Goals

- Awareness
- Education
- Input
- Decision Making

CLIMATE RESILIENT COMMUNITIES

Climate Resilient Communities is a community-based organization dedicated to serving the underrepresented through empowering community voices to implement climate solutions that bring about unity, justice, and resilience.



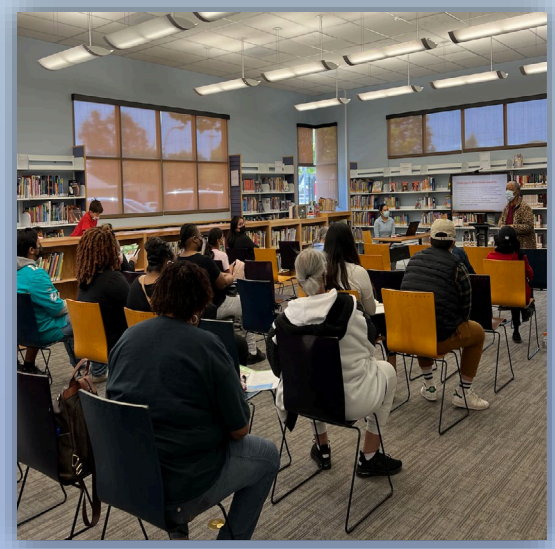
Community-Based Adaptation

Climate Action Education

Resilient Homes

Engagement Plan

- Advisory Group
- Climate Change Community Teams
- Partnerships with Other CBO's
- Language Justice
- Cultural Relevance
- Community Events
- Focus Groups
- Workshops

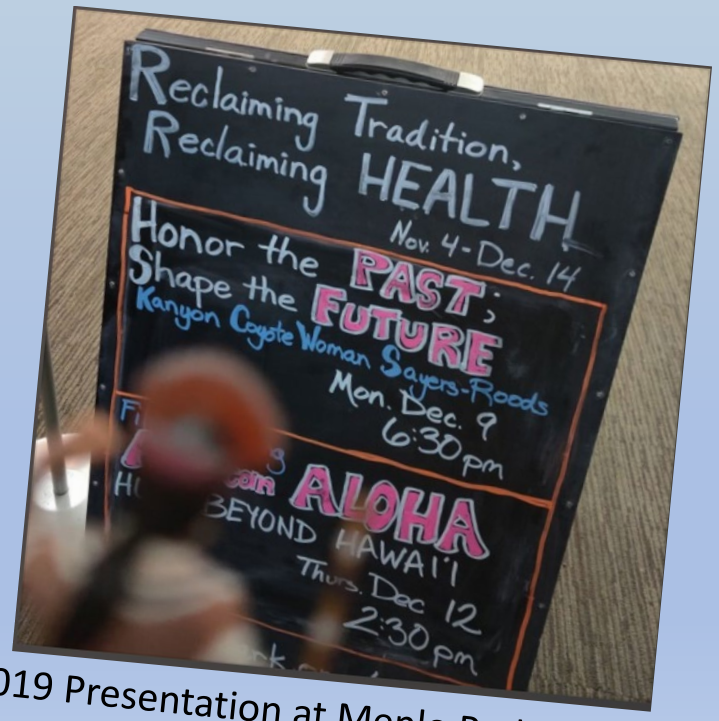


SFCJPA Tribal Engagement

Native American Heritage Commission Updated list of tribes received May 5, 2022

Sacred Lands search: positive for area

Project will have a Cultural Resource plan for pre-project testing and tribal representative onsite during earth moving activities.



Source: 2019 Presentation at Menlo Park Library, Kanyon Coyote Woman Sayers-Roods

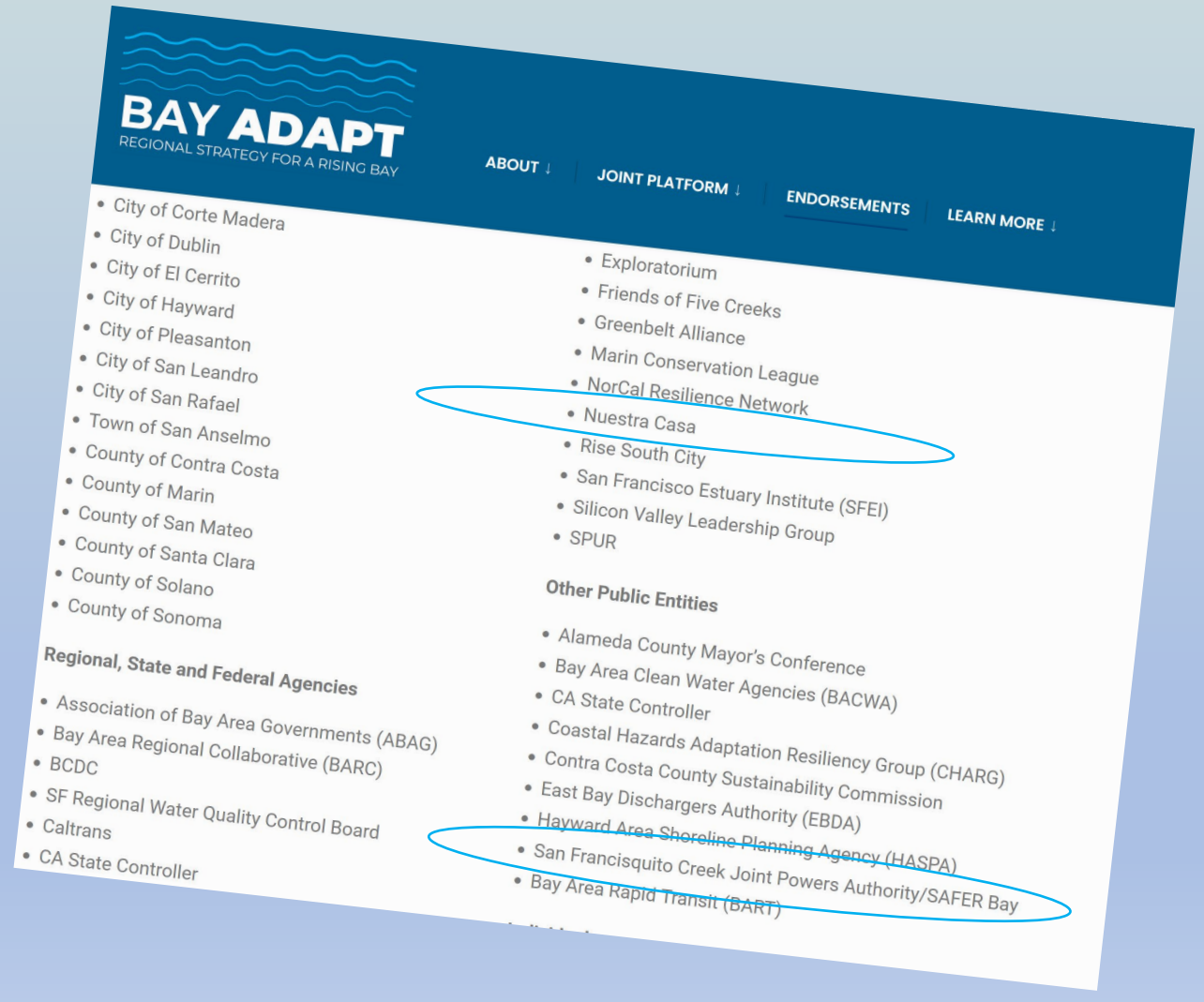
Environmental Justice

Nuestra Casa

At Nuestra Casa, **we stand by our community's side** to help them navigate institutions, build people power, and use their voice to shape a new, more equitable community.

Our programs **build leaders** who transform our local community and are actively engaged in our local economy, school district, and civic life.

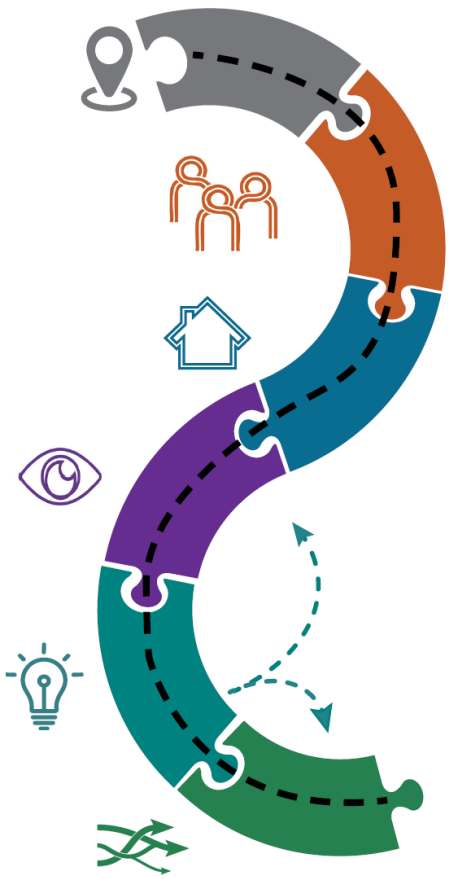
Together, we will build a community
that leaves no one behind.



Bay Adapt- Integrated Project

Nuestra Casa

Overview of the Adaptation Roadmap



Chapter 1. **Build Your Adaptation Roadmap**
Assess your starting point and desired outcomes.

Chapter 2. **Center People in Decision-Making**
Structure your adaptation process by building your core team, identifying communities and stakeholders, using participation and decision-making tools, and applying effective communication approaches.

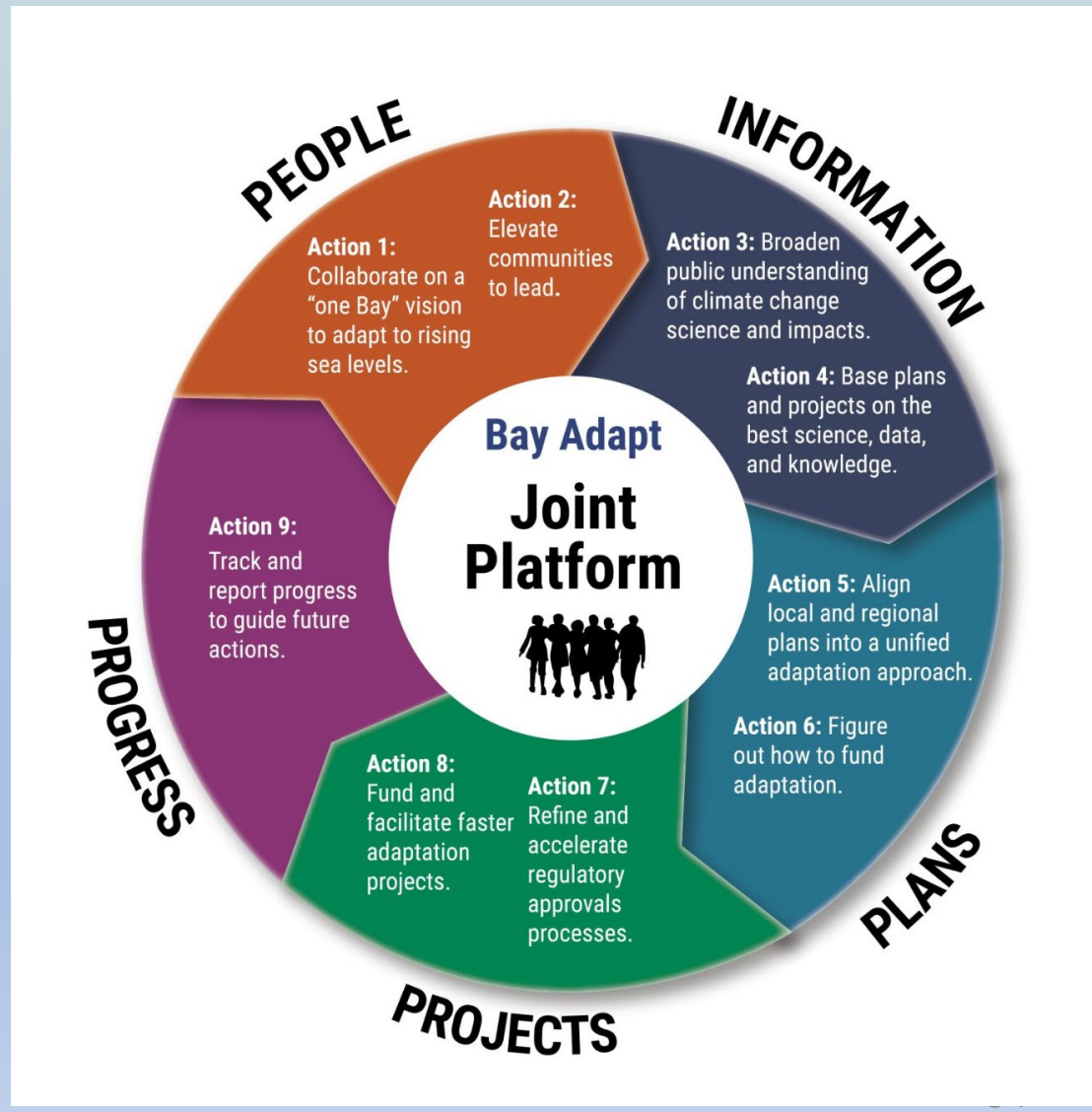
Chapter 3. **Set Local Context and Sense of Place**
Gather information on local context and conditions including local and regional plans, embedding community values, identifying nature-based opportunities, and framing adaptation pathways.

Chapter.4. **Shape Shared Vision of the Future**
Explore visions for future adaptation by defining the issues, creating vision and guiding principles, doing scenario planning to explore different adaptation futures, and discussing outcomes and expectations.

Chapter 5. **Bring Together Shared Solutions**
Build adaptation strategies that meet community and stakeholders visions by exploring adaptation actions and the ART Adaptation Catalog, bundling actions into strategies, phasing them over time, discussing tradeoffs and making decisions.

Chapter 6. **Pathways Approach to Implementation**
Lay out the plan by linking people and processes to outcomes, creating an implementation and monitoring plans and preparing for change over time.

Figure 2 · Overview of Content and Themes Within Each Chapter of the Adaptation Roadmap.



Public Comments

NOP comment period ends June 15, 2022

Submit by email to:
tbyler@sfcjpa.org

by postal mail to:
SFCJPA 2100 Geng Rd. Suite 210,
Palo Alto, CA 94303
Attn: Tess Byler