

Flood Zone 9 Advisory Board Meeting

February 27, 2025

Important Notes:

- New Board Members must complete their oath before the meeting convenes.
- Meeting will be recorded on Zoom.

Item 1. Elect Chairperson and Vice Chairperson

1. Conduct Roll Call
2. Round of Introductions
3. Nominate Chairperson
4. Nominate Vice-Chairperson
5. Conduct Vote

Recommended Action: Elect a chairperson and vice-chairperson for the advisory board.

Item 2. Review and Approve Order of Agenda

- This is a new standing agenda item for Flood Zone Advisory Board Meetings
- Advisory Board to review and confirm agenda items and consider any changes to the order of items.

Agenda

1. Elect Chairperson and Vice Chairperson
2. Review and Approve Order of Agenda
3. Summary of Action Minutes: November 7, 2024
4. Open Time for Items Not on the Agenda
5. Project Updates
 - San Anselmo Flood Risk Reduction Project
 - Corte Madera Creek Flood Risk Management Project
6. Annual and Preventive Maintenance Work Program
7. Schedule Next Meeting

Item 3. Summary of Action Minutes: November 7, 2024

Draft meeting minutes from November 7,
2024:

<https://flooddistrict.marincounty.gov/meetings/zone-9-advisory-board-meeting-november-7-2024/#/tab-minutes>

Recommended Action: Approve the minutes.

Item 4. Open Time for Items Not on the Agenda

- Comments will be heard for items not on the agenda.
- Time is limited to 3 minutes per speaker.
- Board members will not take action on items brought up in open time.

Item 5. Project Updates

- San Anselmo Flood Risk Reduction
- Corte Madera Creek Flood Risk Management

Building Bridge 2 (BB2) Removal Project



MARIN COUNTY FLOOD CONTROL AND WATER
CONSERVATION DISTRICT

FLOOD ZONE 9 ADVISORY BOARD MEETING
FEBRUARY 27, 2025

Judd Goodman, PE
Senior Civil Engineer

Agenda

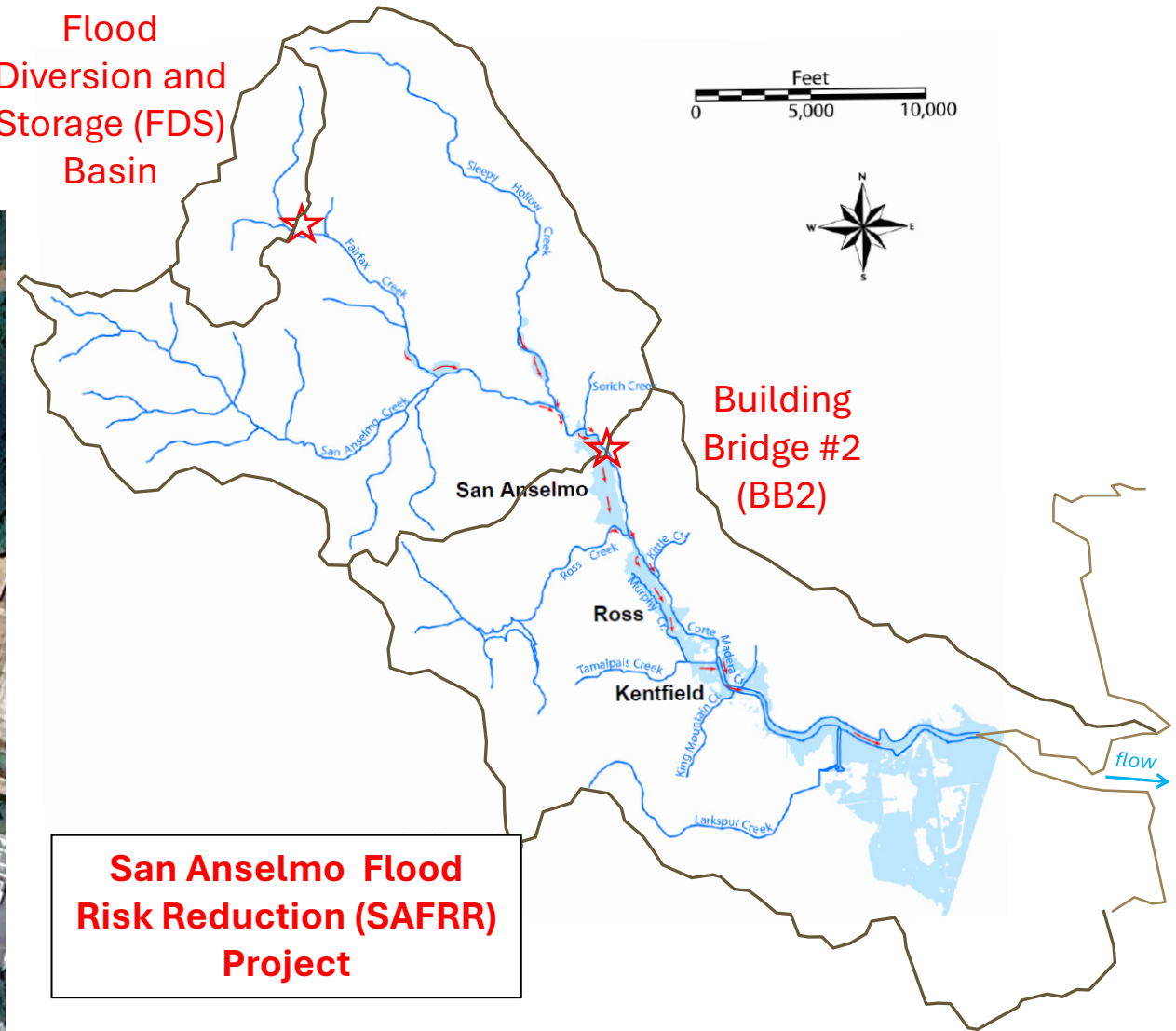
- Background
- Benefits
- Project Update
- FEMA Update



Background



Sunnyside
Flood
Diversion and
Storage (FDS)
Basin



San Anselmo Flood
Risk Reduction (SAFRR)
Project

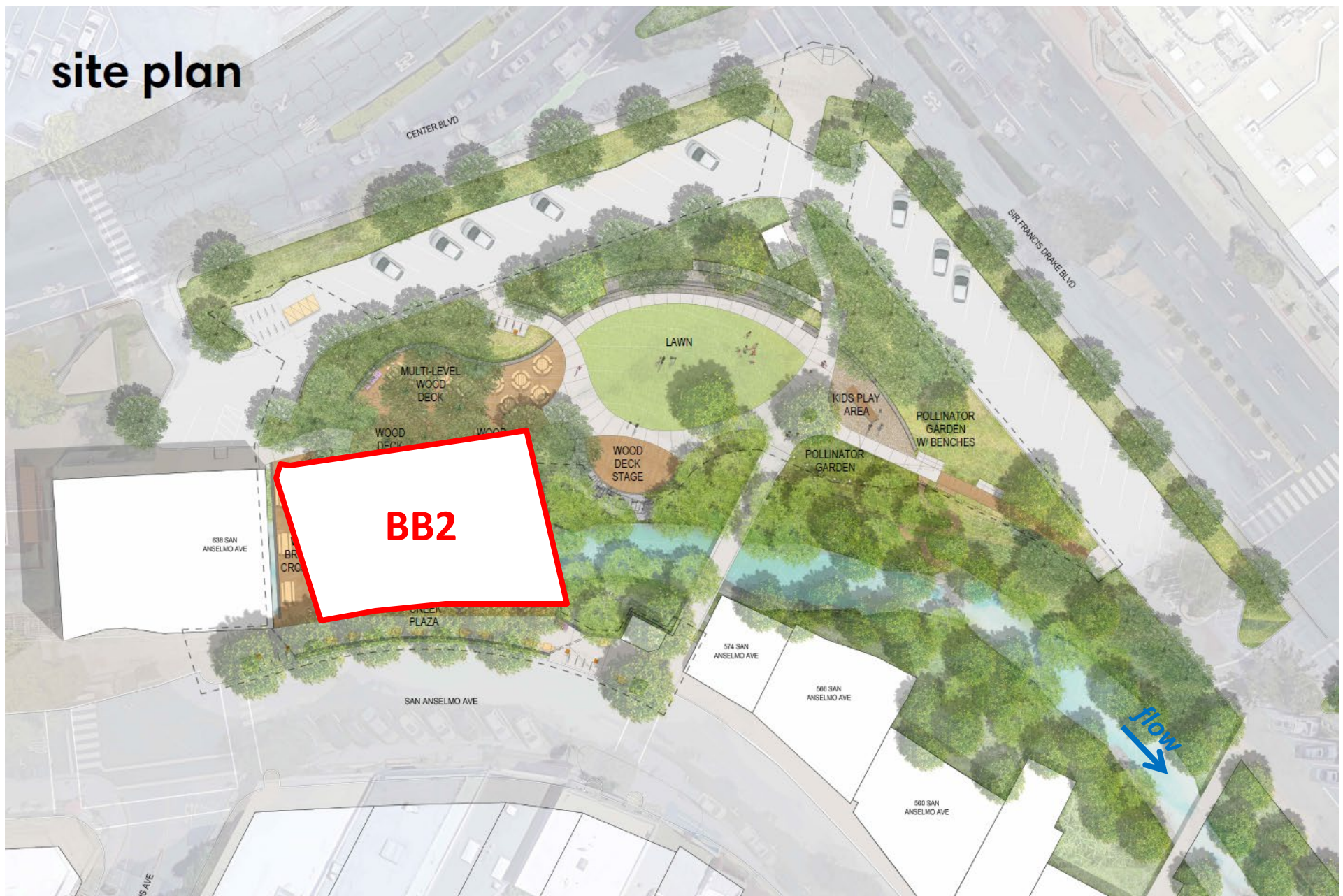


**BB2 Obstruction
Exacerbates Downtown
Flooding**



**Structurally
Unsound**

site plan



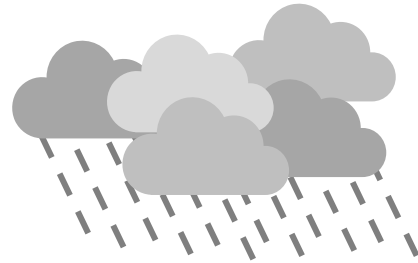
Benefits

Storm Scenarios



10-Year Storm

*10% chance any
given year*



25-Year Storm

*4% chance any
given year*

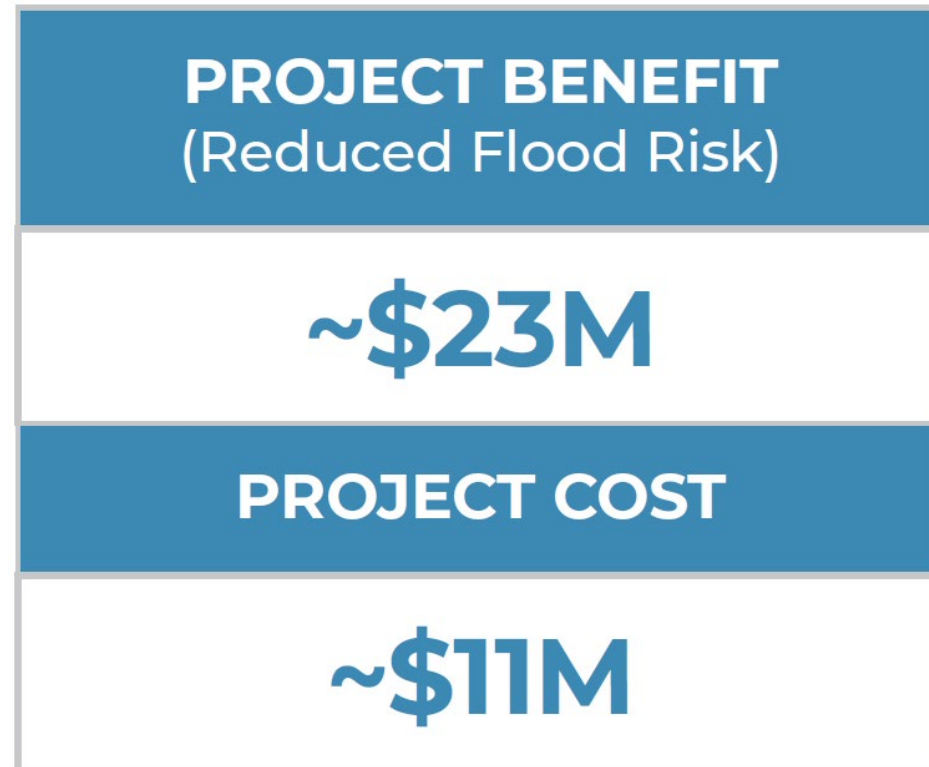


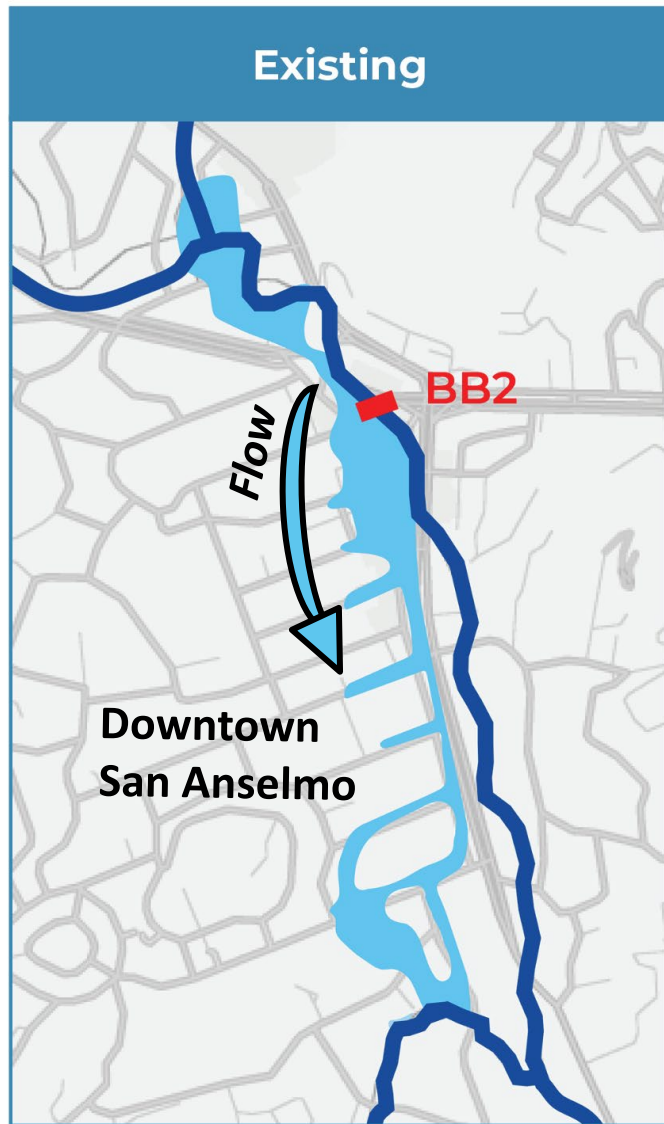
100-Year Storm

*1% chance any
given year*

Benefit to Homes and Businesses

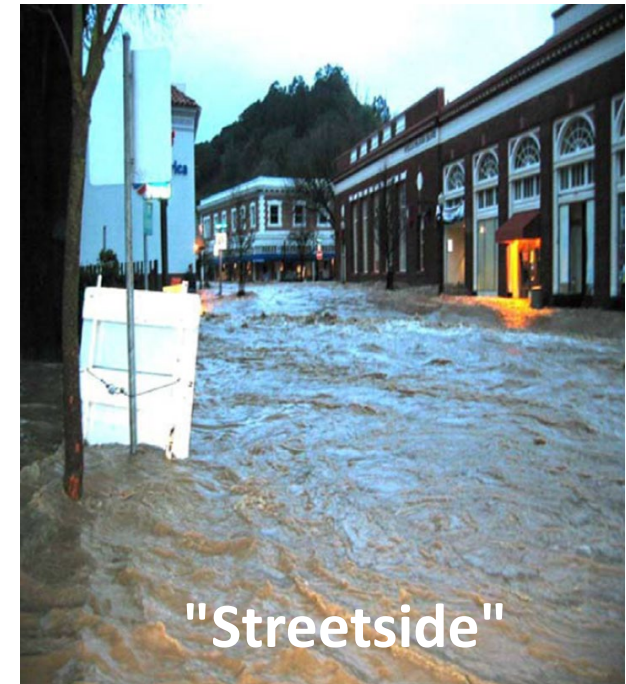
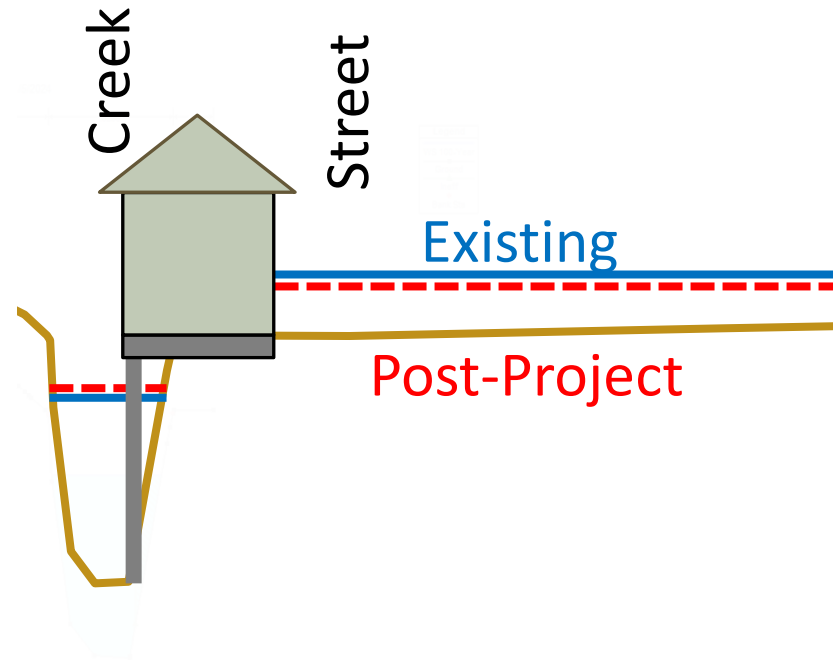
- BB2 Removal reduces flood risk for ~500 properties





- San Anselmo Creek
- 10-Year Flood Inundation

For large flood events, water surface generally drops on the streetside, rises in the creek.



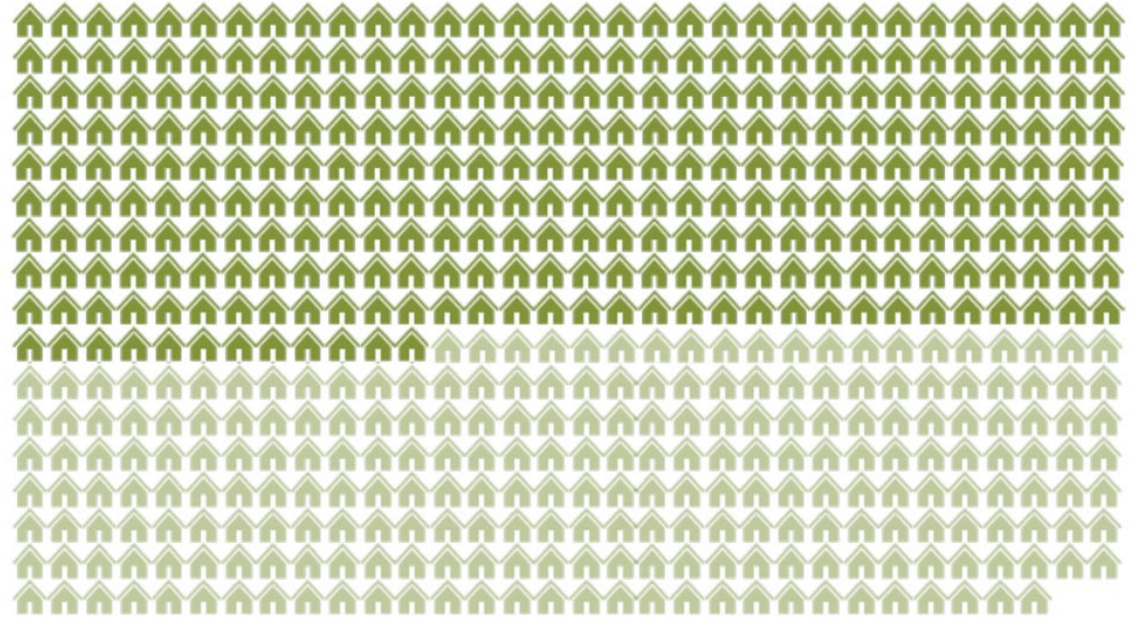
10-Year Flood Control Improvement | SAFRR

300 PROPERTIES

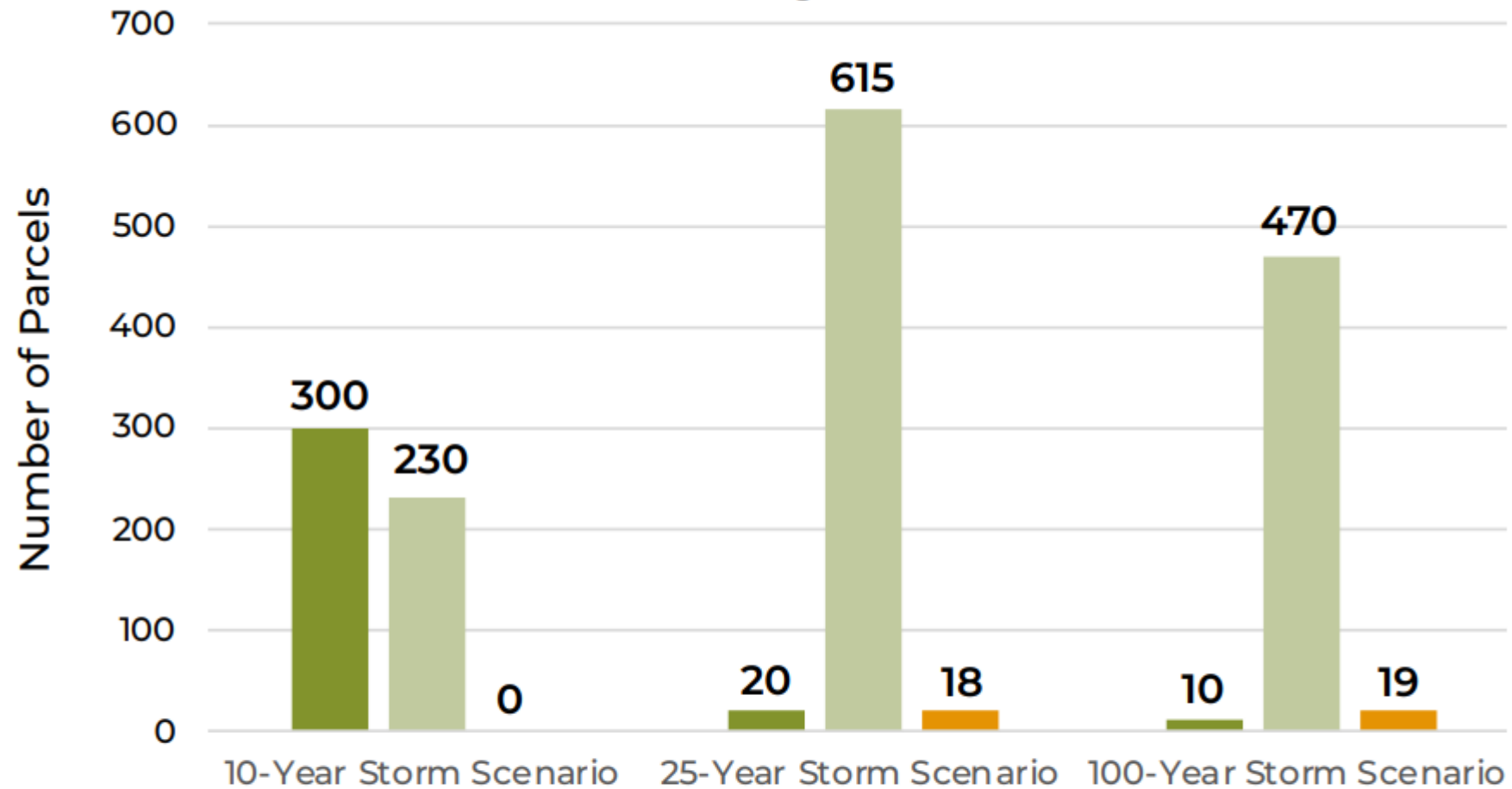
WILL BE REMOVED FROM
FLOOD INUNDATION

230 PROPERTIES

WILL EXPERIENCE A
REDUCTION IN FLOOD
INUNDATION



SAFRR Project Outcomes



- Removed From Flood Inundation
- Deceased Flood Inundation Levels
- Increased Flood Inundation Levels

Increase is only within Creek

Increased flood inundation ≠ impact

Project Update

2024

Highlights:

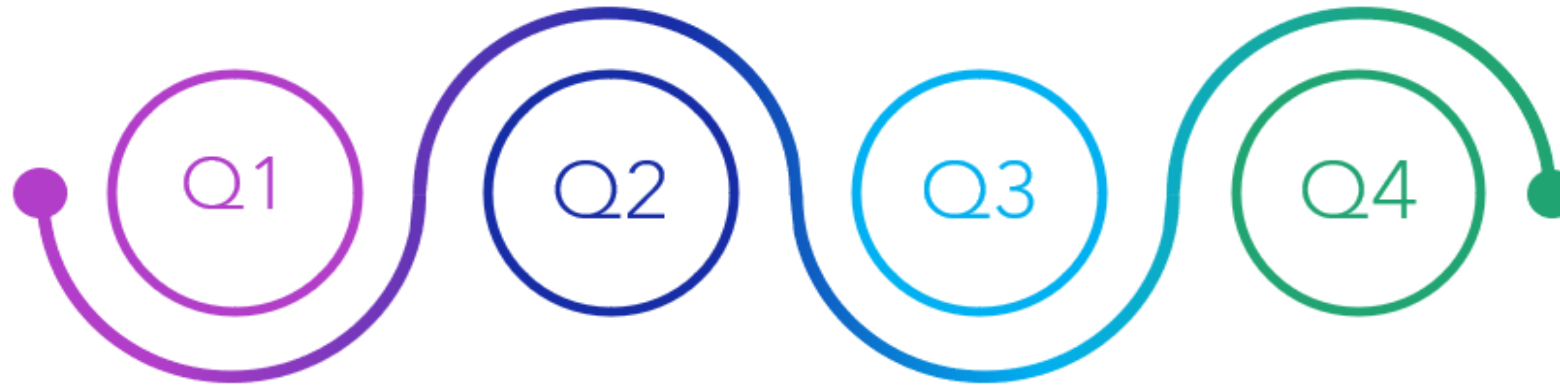
- Developed FEMA pathway
- Developed California Environmental Quality Act (CEQA) pathway
- Discovered and closed underground storage tank



2025

Highlights:

- Submit FEMA application
- Complete final preparations ahead of planned construction in 2026



Q1 MILESTONE

- Completed 1-D hydraulic analysis
- Cleaned & sealed the underground storage tank

Q2 MILESTONE

- Prepare CLOMR
- Prepare CEQA addendum
- Update project cost estimates

Q3 MILESTONE

- Finalize CLOMR
- Finalize CEQA addendum
- Finalize PS&E
- Finalize MOU with San Anselmo

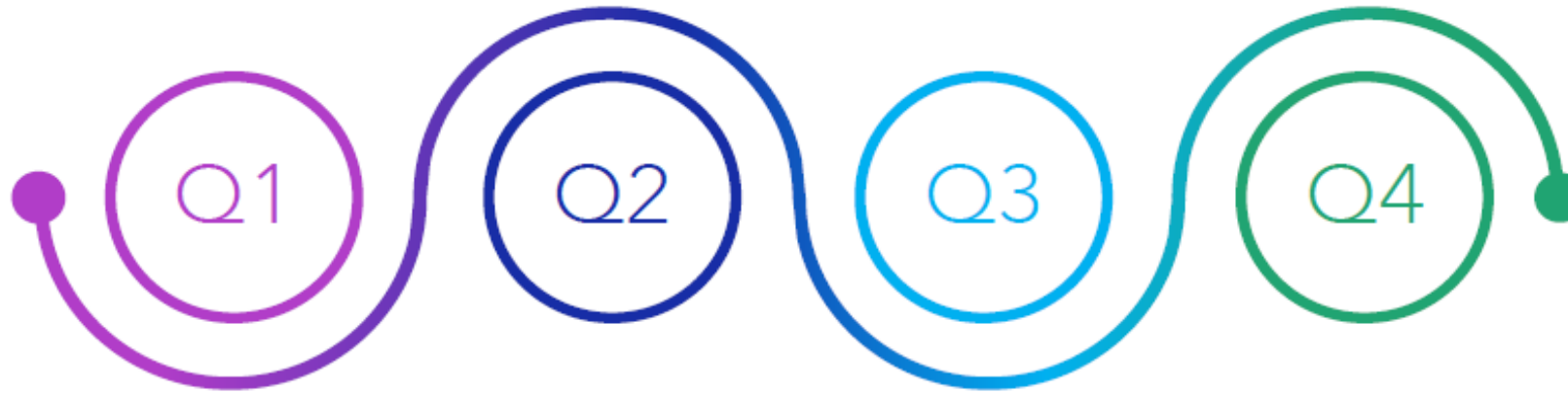
Q4 MILESTONE

- Obtain permits from San Anselmo
- Finalize ROW
- Prepare to advertise for construction

2026

Highlights:

- Remove BB2 and restore creek



Q1 MILESTONE

- Award construction bid
- Prepare for construction

Q2 MILESTONE

- Remove building bridge
- Restore creek banks

Q3 MILESTONE

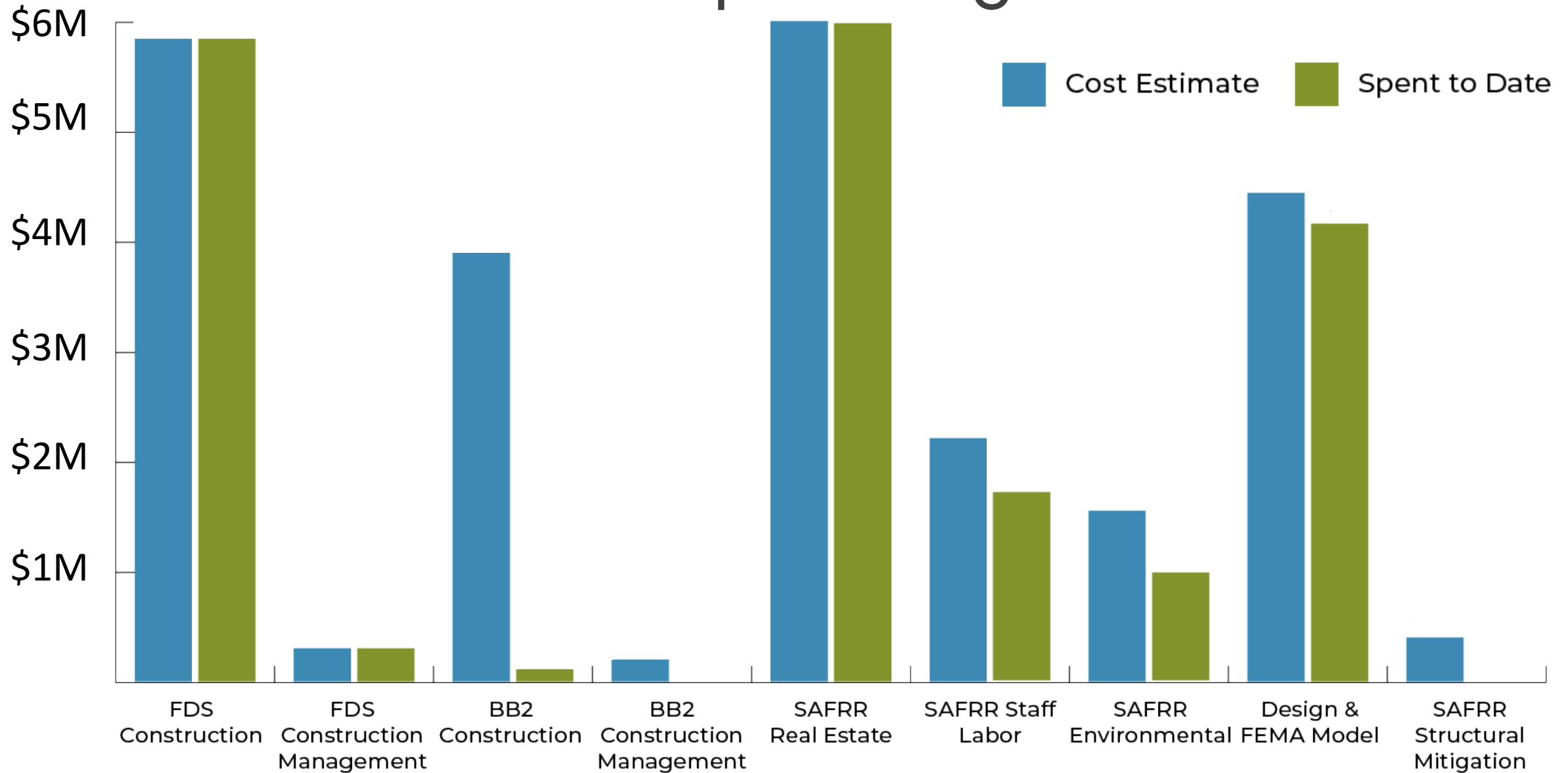
- Complete construction
- Prepare to turn key to San Anselmo

Q4 MILESTONE

- Start post construction-monitoring

SAFRR Project Budget

~\$25M



FEMA Update

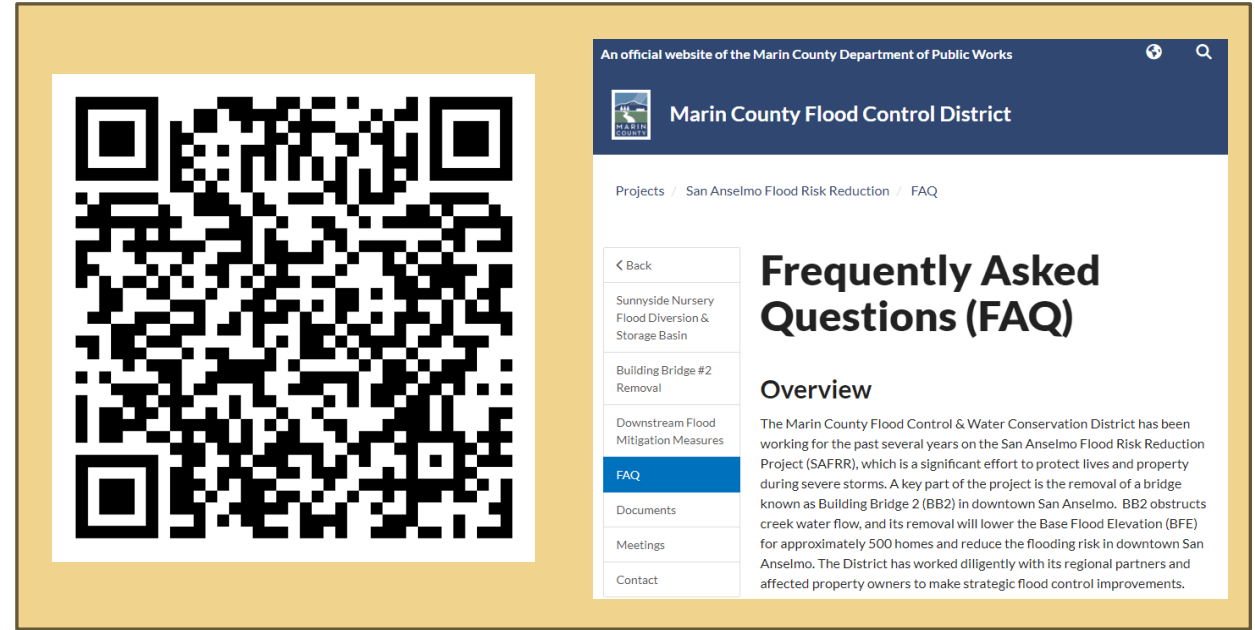
Conditional Letter of Map Revision (CLOMR)



FEMA

FEMA Approval Process Update

- Initial agreement on using a Conditional Letter of Map Revision (CLOMR)
- CLOMR based on FEMA's 1-D hydraulic model
- Initial model runs with select field data reviewed informally by FEMA
- Strong likelihood of CLOMR approval based on FEMA discussions
- Final determination after FEMA's formal review
- CLOMR submission: End of April 2025
- Expected approval: Late 2025



Response to Questions

Additional information, including FAQs, can be found on the Flood Control District's webpage.



In-Person Communication

- Response about Redwood Trees:
 - Hiring an arborist to prepare a tree protection and monitoring plan.
 - Speak at San Anselmo town council meeting (early summer).
- Response about Technical Analysis:
 - Notify property owners with modeled rise in Base Flood Elevation (BFE).
 - Present CLOMR information to the Advisory Board after hearing back from FEMA.
 - Offer to meet property owners that experience a rise in BFE, or others.
- “Office Hours” to answer questions on a ‘walk-in’ basis

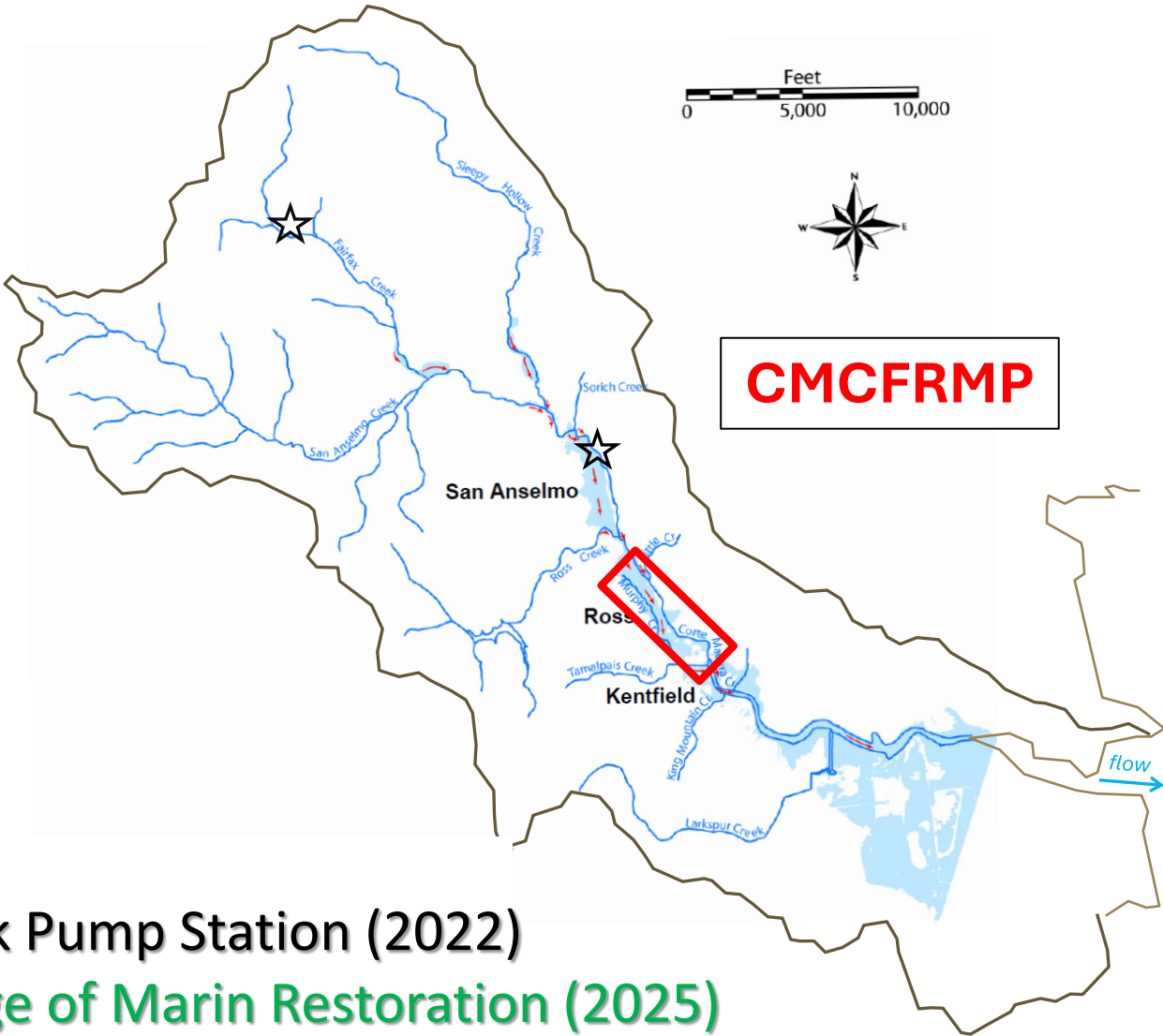
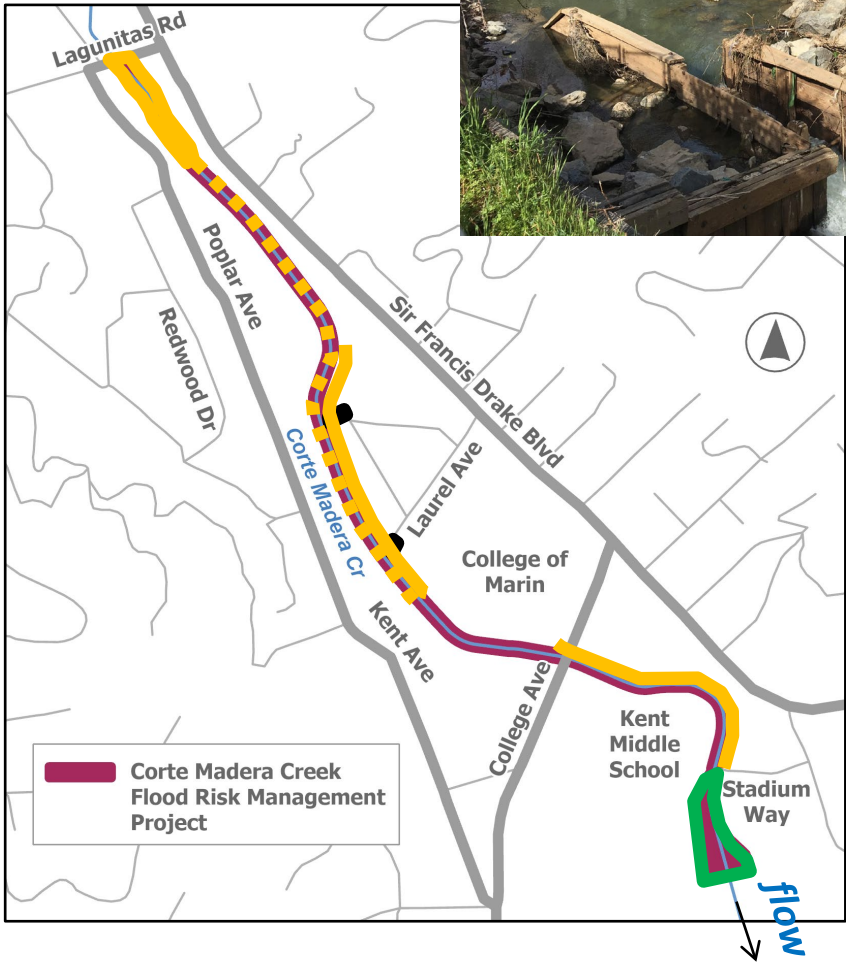
Corte Madera Creek Flood Risk Management Project (CMCFRMP)



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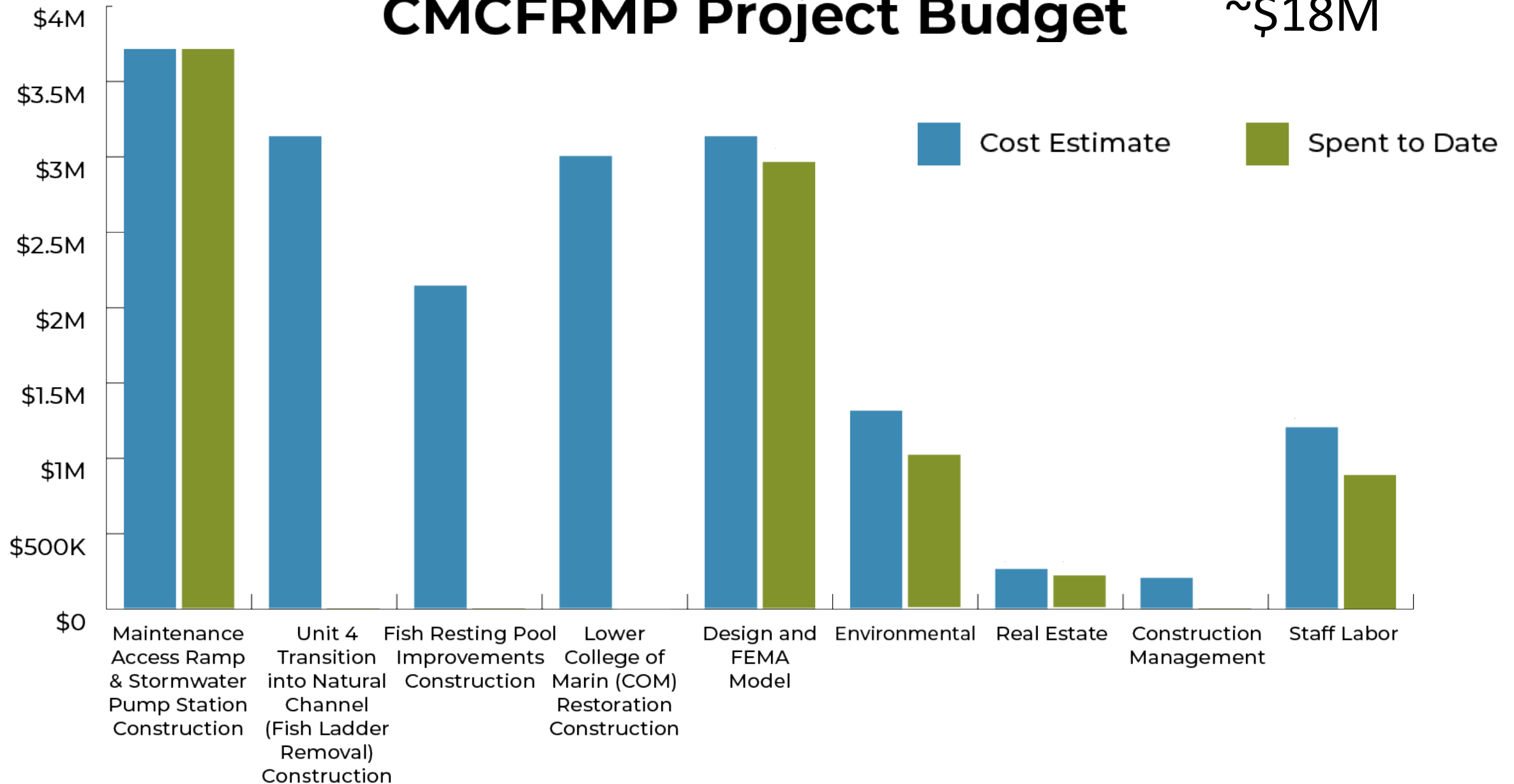
Judd Goodman, PE
Senior Civil Engineer



- Granton Park Pump Station (2022)
- Lower College of Marin Restoration (2025)
- Fish Resting Pool Improvements (2026)
- Natural Channel Transition and Raised Floodwalls (2026)

CMCFRMP Project Budget

~\$18M



Questions

Additional information, including FAQs, can be found on the Flood Control District's webpage.



Recommended Actions

Recommended Action: Recommend the District Board of Supervisors approve a budget adjustment of up to \$3,000,000 for construction of the Lower College of Marin Restoration. Existing grants in the amount of \$2,863,270 will reimburse Zone 9 for these costs.

Item 6. Annual and Preventive Maintenance Work Program

- There will not be a presentation on this item as a full update is provided in the staff report.
- This is an opportunity for advisory board members to ask any questions and members of the public to provide comment.

Item 7. Schedule Next Meeting

- Per the Zone bylaws, regular meetings are held on the third Tuesday in January. Due to lack of a quorum, this year's was postponed to today.
- Additionally, the advisory board should pick an additional regular meeting date that works for their schedule.
- Special meetings may be called if there is a project need or other urgent need that comes up between now and the regular meetings.