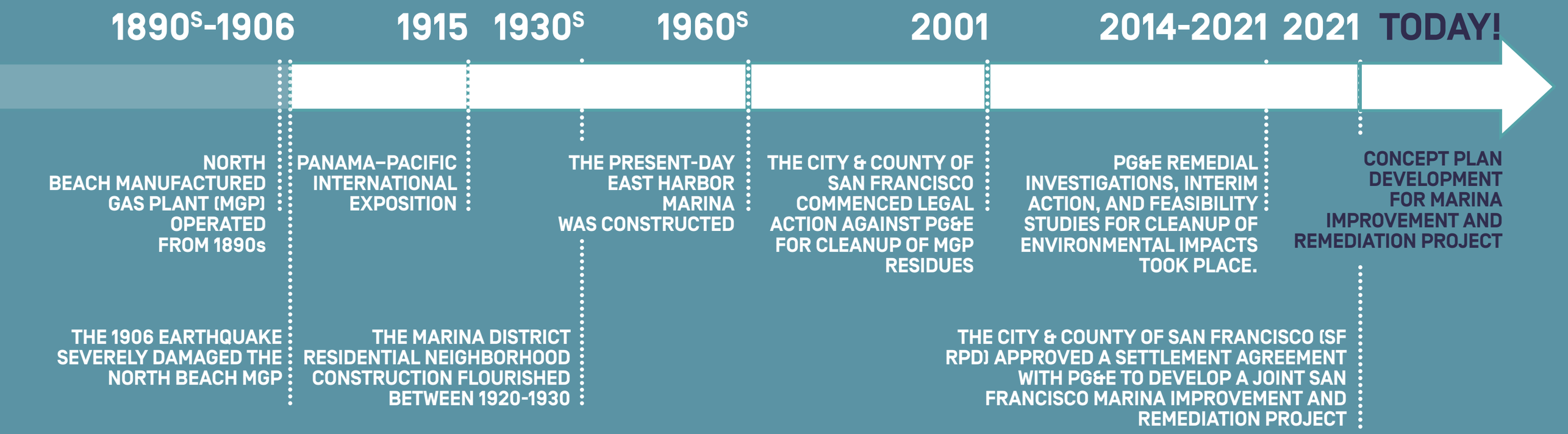
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

BCDC DRB
1.6.2025

SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

SITE



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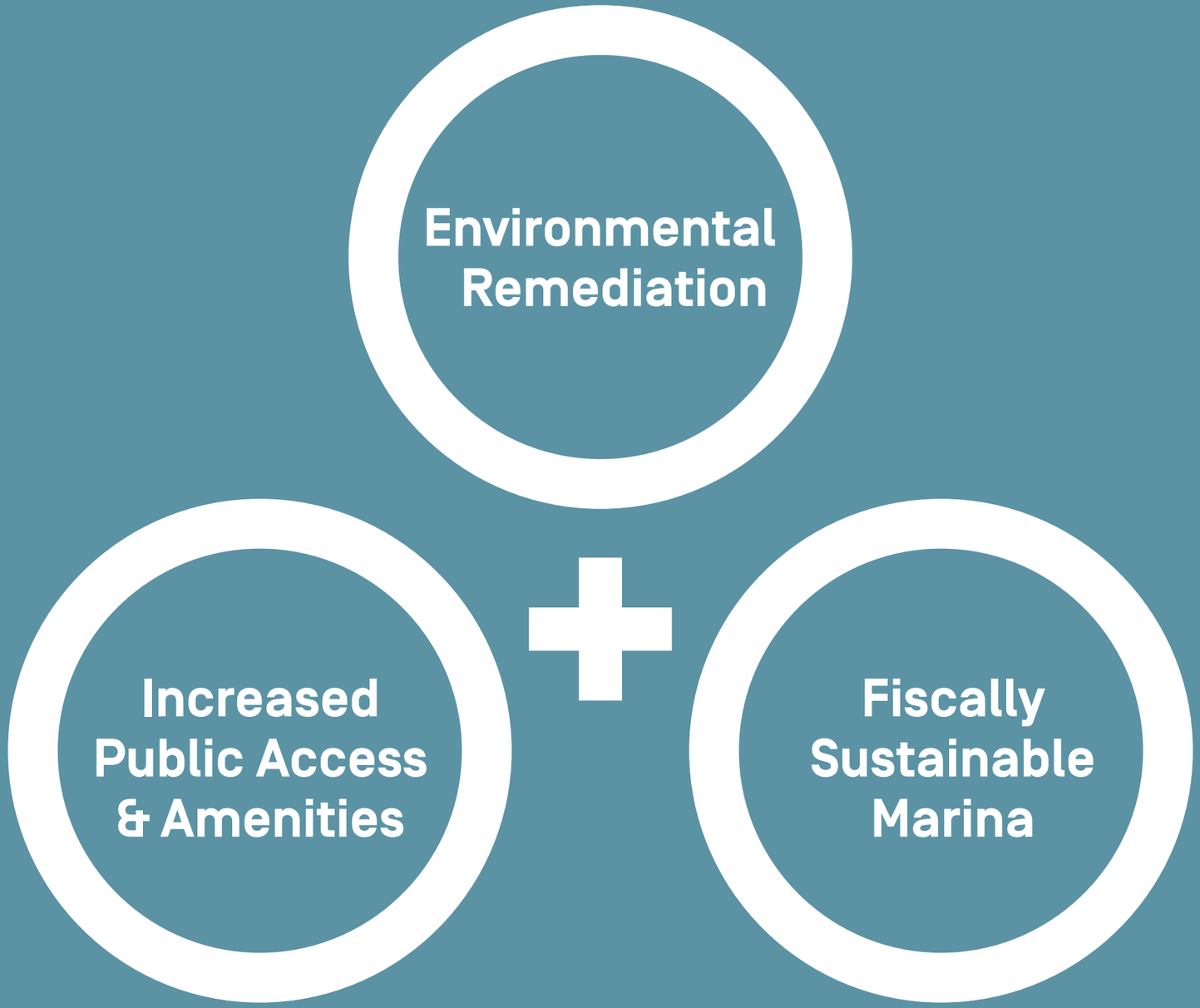
SITE HISTORY

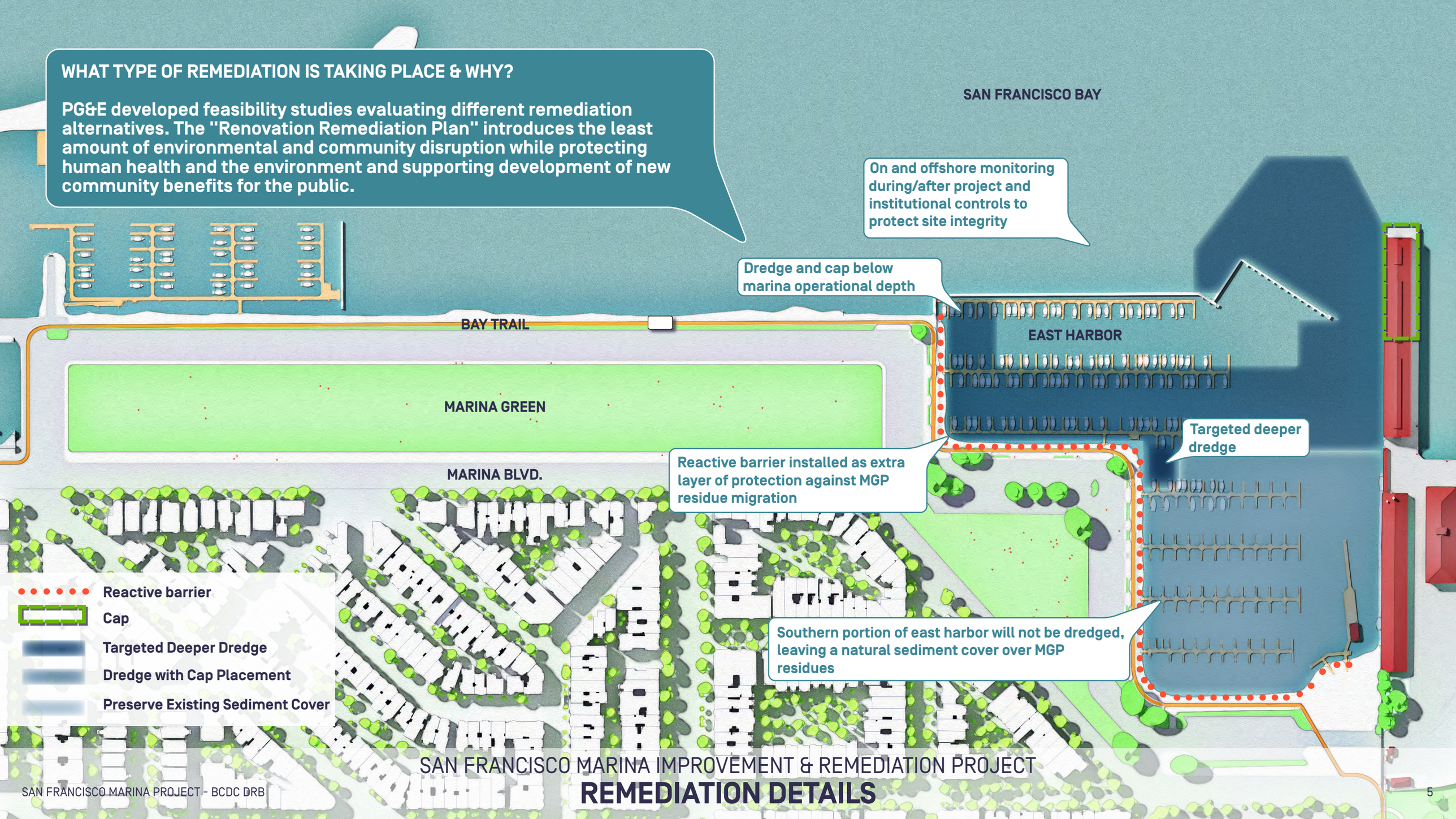


SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

PROJECT GOALS

WHAT TYPE OF REMEDIATION IS TAKING PLACE & WHY?

PG&E developed feasibility studies evaluating different remediation alternatives. The "Renovation Remediation Plan" introduces the least amount of environmental and community disruption while protecting human health and the environment and supporting development of new community benefits for the public.



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REMEDIATION DETAILS

REMEDIAL INVESTIGATION AND RISK ASSESSMENT

Studies generally found that MGP residue in sediment is:

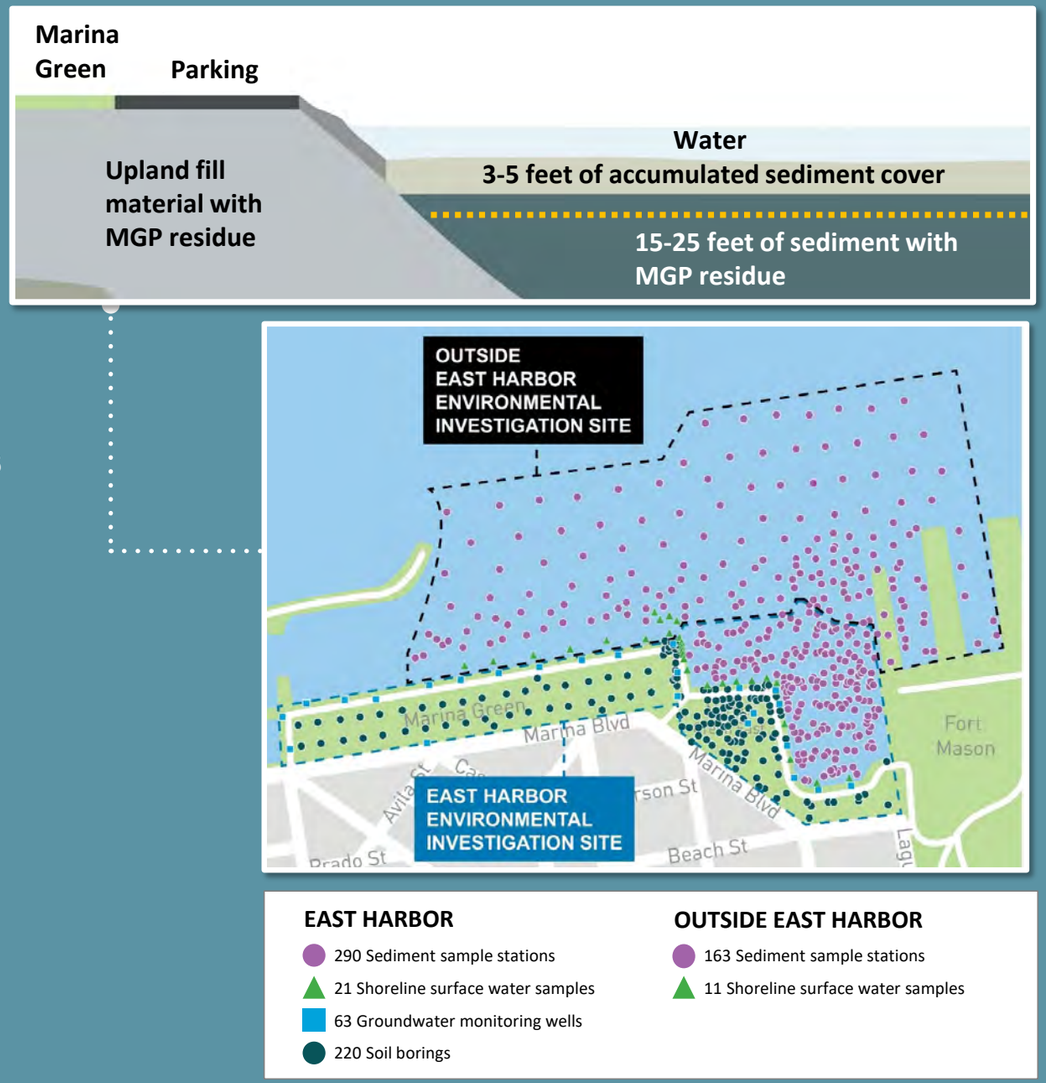
- Not migrating from original deposited location (100+ years ago)
- Buried under accumulated sediment cover
- Not entering surface water or groundwater

Risk assessment found:

- Sediment cover generally isolates MGP residue, preventing it from interacting with people and wildlife
- Dredging to return East Harbor to RPD's desired marina operational depths may uncover the MGP residue

Recommended Remedy:
Dredging to Accommodate Marina Improvements and Capping

- Sustainably addresses 100% of the risks presented by the MGP residue
- Compatible with RPD's renovation of the marina
- Transfers the least contamination through neighborhoods to dewatering and disposal facilities



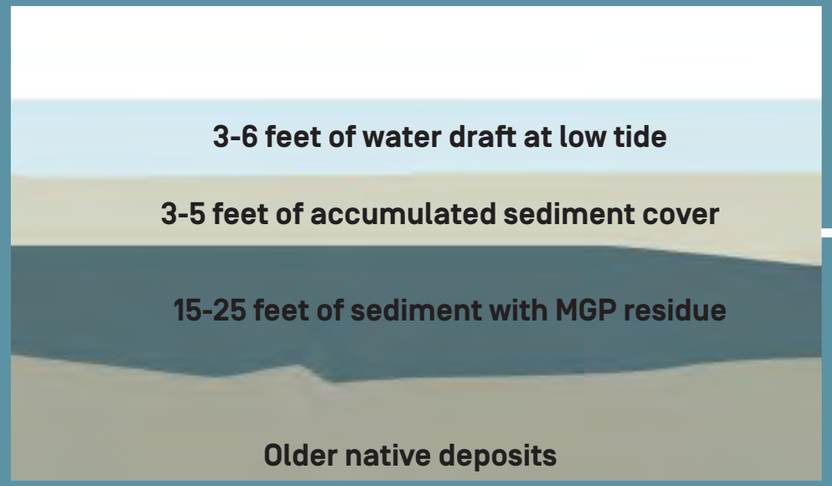
CAPPING SEDIMENT REMEDIATION TECHNOLOGY

- Capping is often the best practice remediation technology for deep, non-mobile legacy contamination, like the conditions at the site
- Cleanup technology approved by EPA and used for decades at more than 100 sites throughout the US, including in the Bay Area (e.g., Potrero, India Basin, Oyster Point)
- Existing sediment cover can effectively work as a cap to chemically and physically isolate contamination

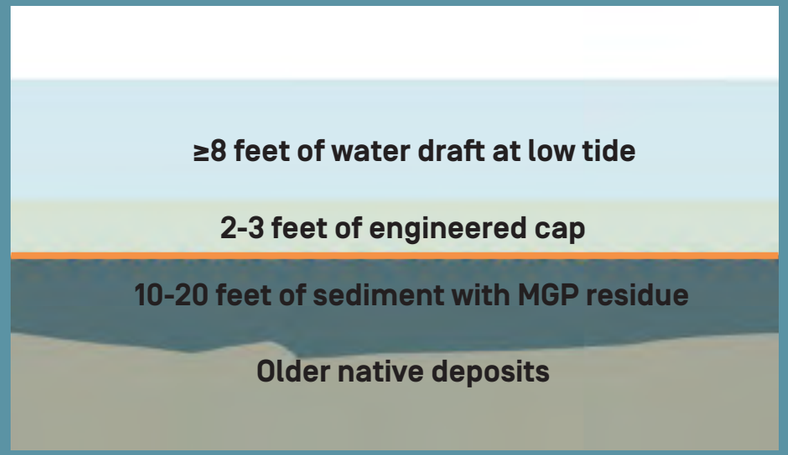
CONCEPTUAL CAP LAYERS

BEFORE AND AFTER REMEDIATION CONDITIONS

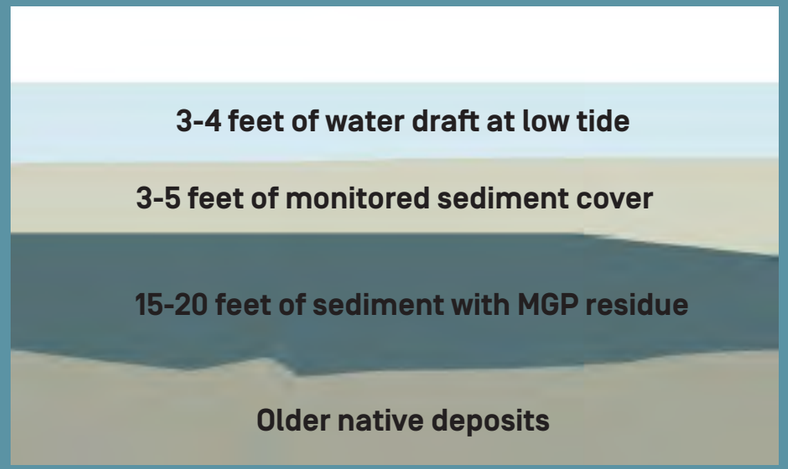
EXISTING CONDITIONS
(EAST HARBOR MARINA)



NORTHERN MARINA AREA: ENGINEERED CA



SOUTHERN RECREATION AREA:
MONITORED SEDIMENT COVER



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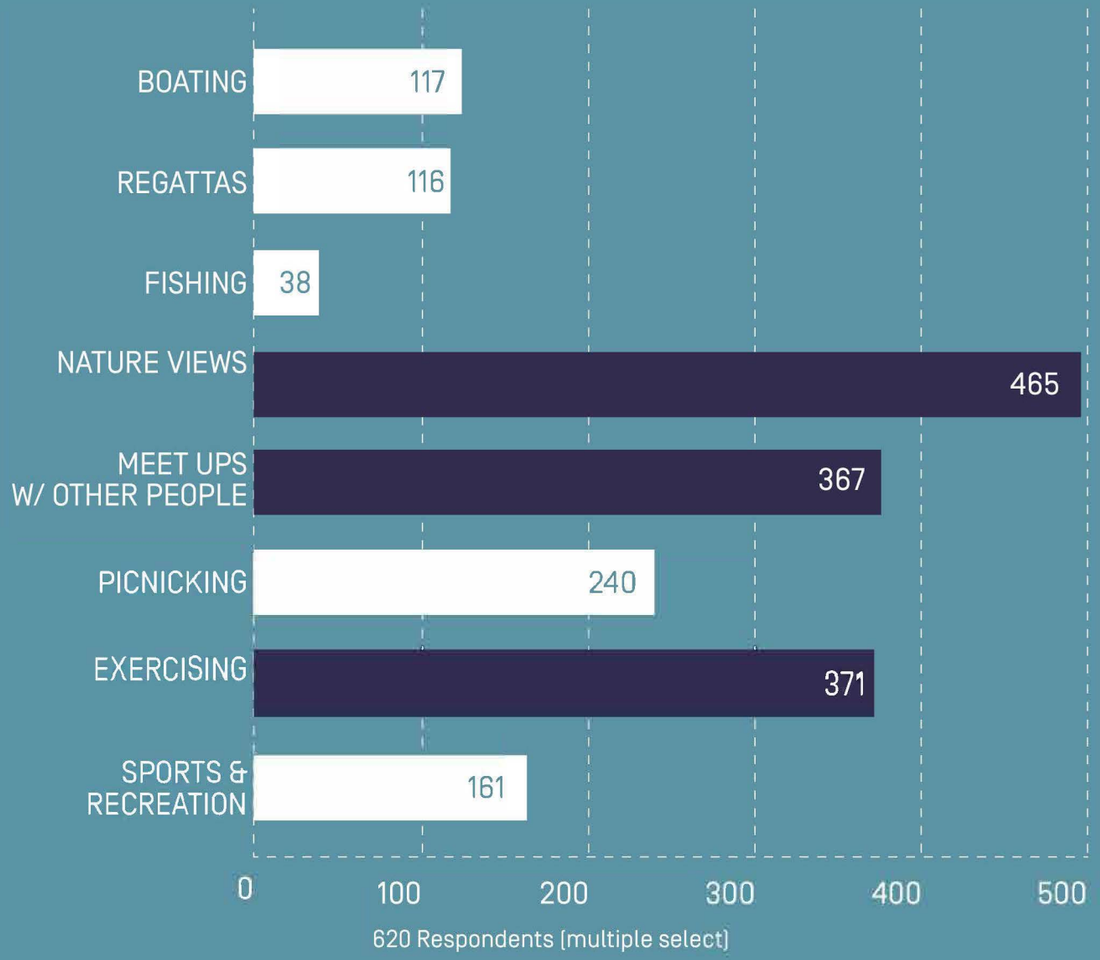
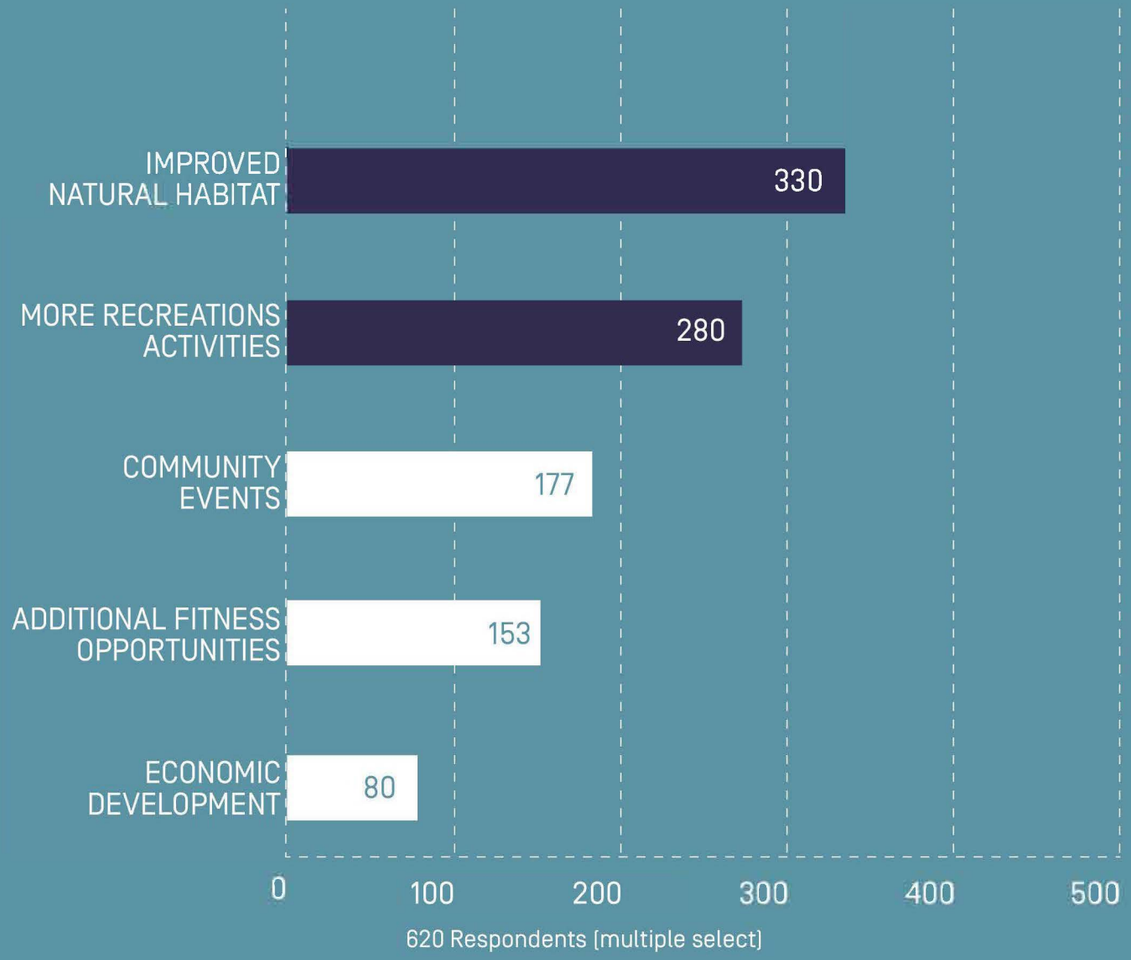
EXISTING SITE PLAN

What type of activities do you currently enjoy in the Marina?



620 Respondents (multiple select)

Which of the following excite you about the Marina?



620 Respondents (multiple select)

Survey results are from the project survey fielded in person and online. 654 people responded to the survey; this data is not a statistically significant or representative sample.

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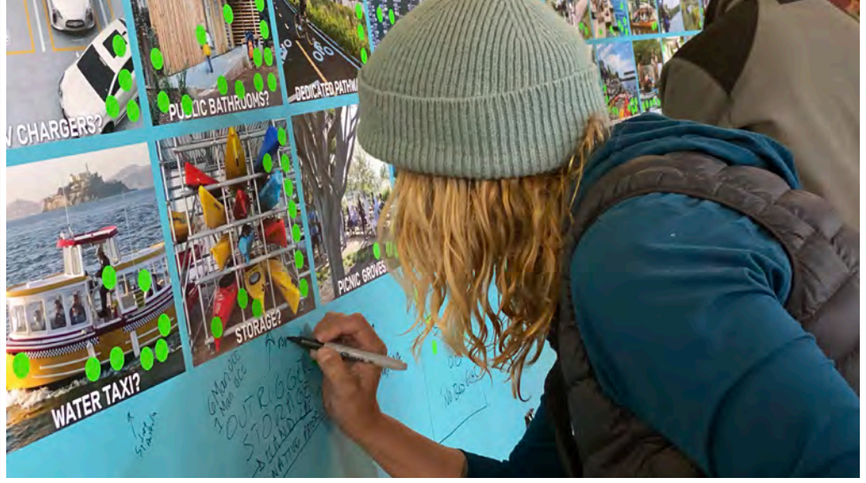
SURVEY DATA

- 1 PROJECT WEBSITE
- 16 SOCIAL MEDIA POSTINGS
- 5 COMMUNITY MEETINGS
- 436 ATTENDEES
- 2 ONLINE SURVEYS
- 825 SURVEY RESPONSES
- 1,000’ RADIUS PHYSICAL MAILING LIST
- 900+ DIGITAL MAILING LIST
- 1 WATER BOARD PUBLIC MEETING



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COMMUNITY ENGAGEMENT

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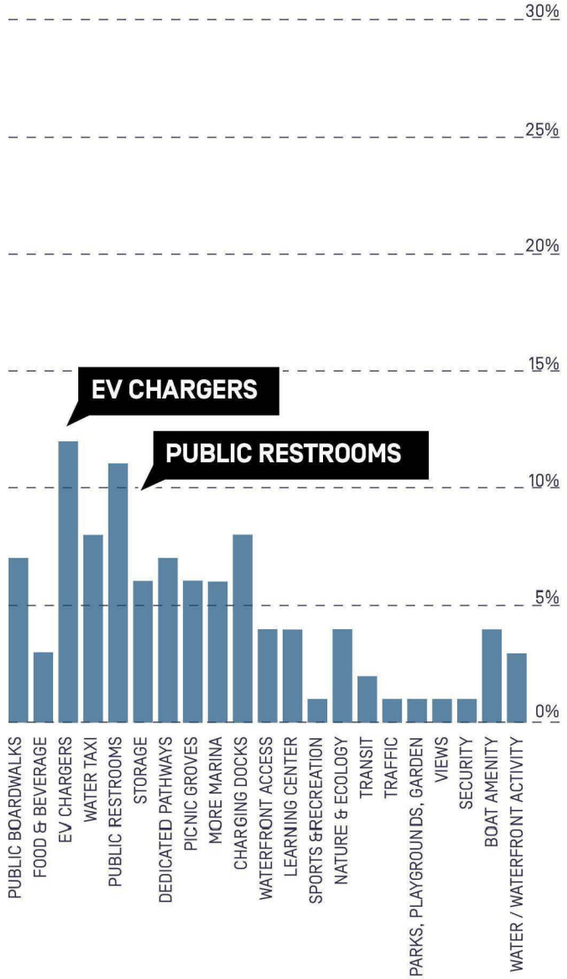
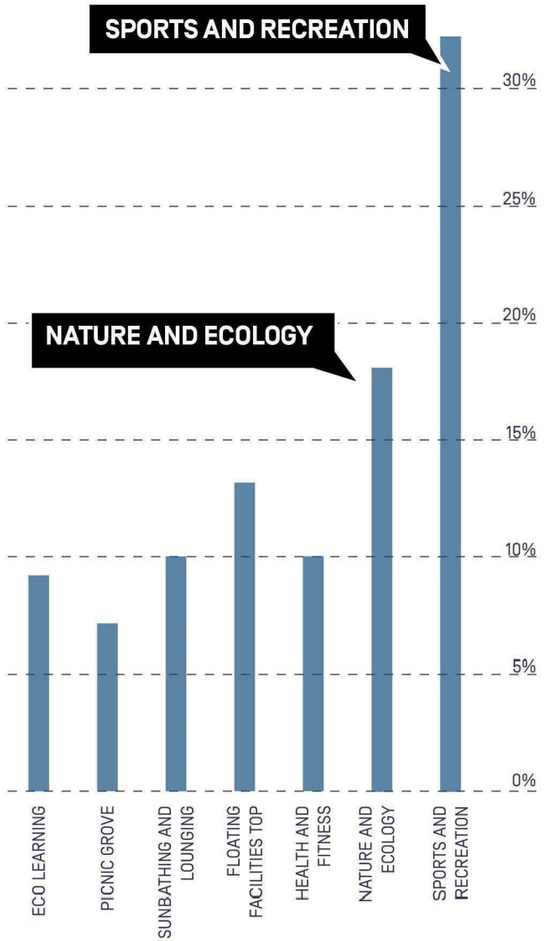


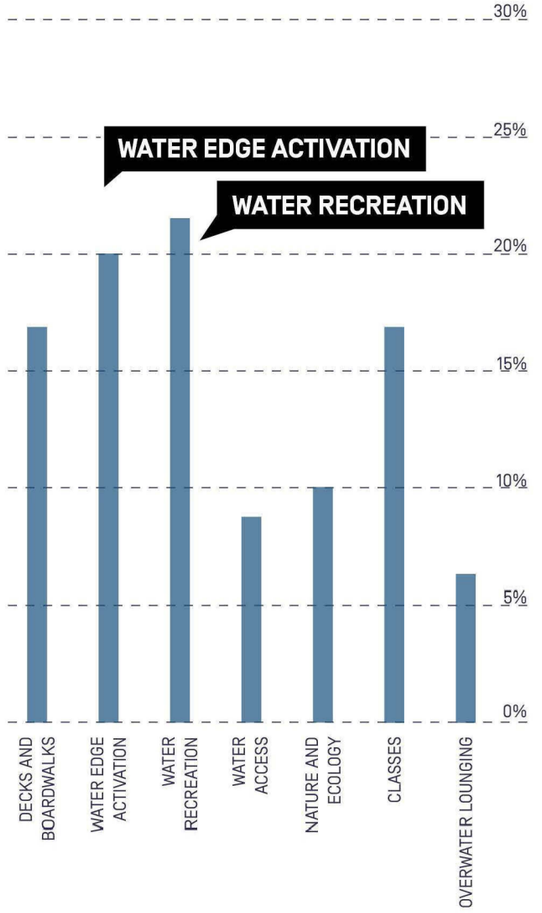
AMENITIES

WHAT AMENITIES DOES THE SAN FRANCISCO MARINA NEED?



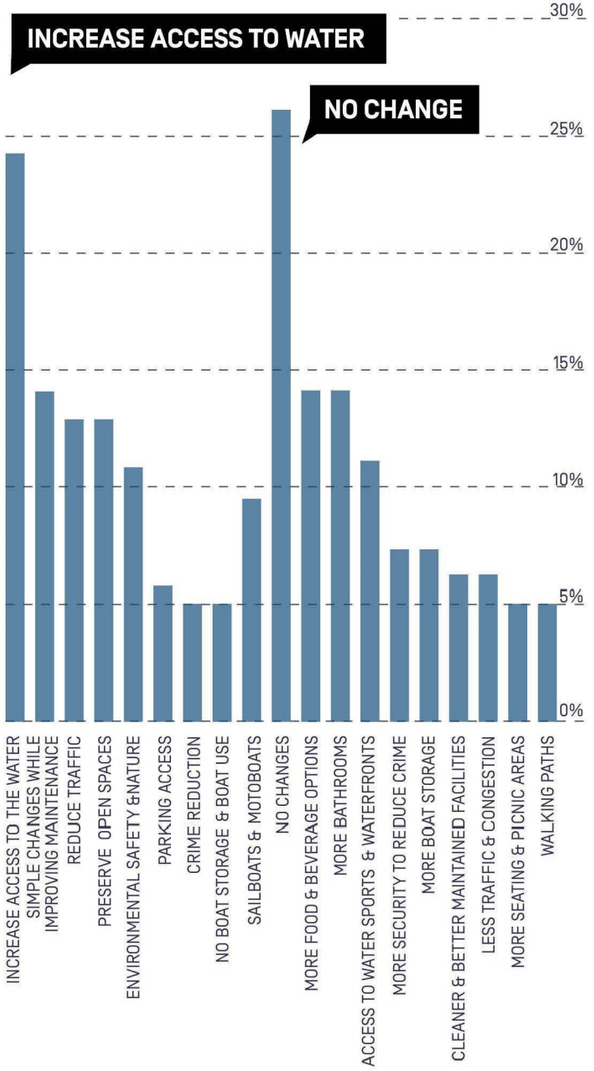
MARINA PARK ATTRACTIONS

WHAT WOULD ATTRACT YOU MOST TO THE MARINA PARK?



WATERFRONT ATTRACTIONS

WHAT WOULD ATTRACT YOU MOST TO THE MARINA WATERFRONT?

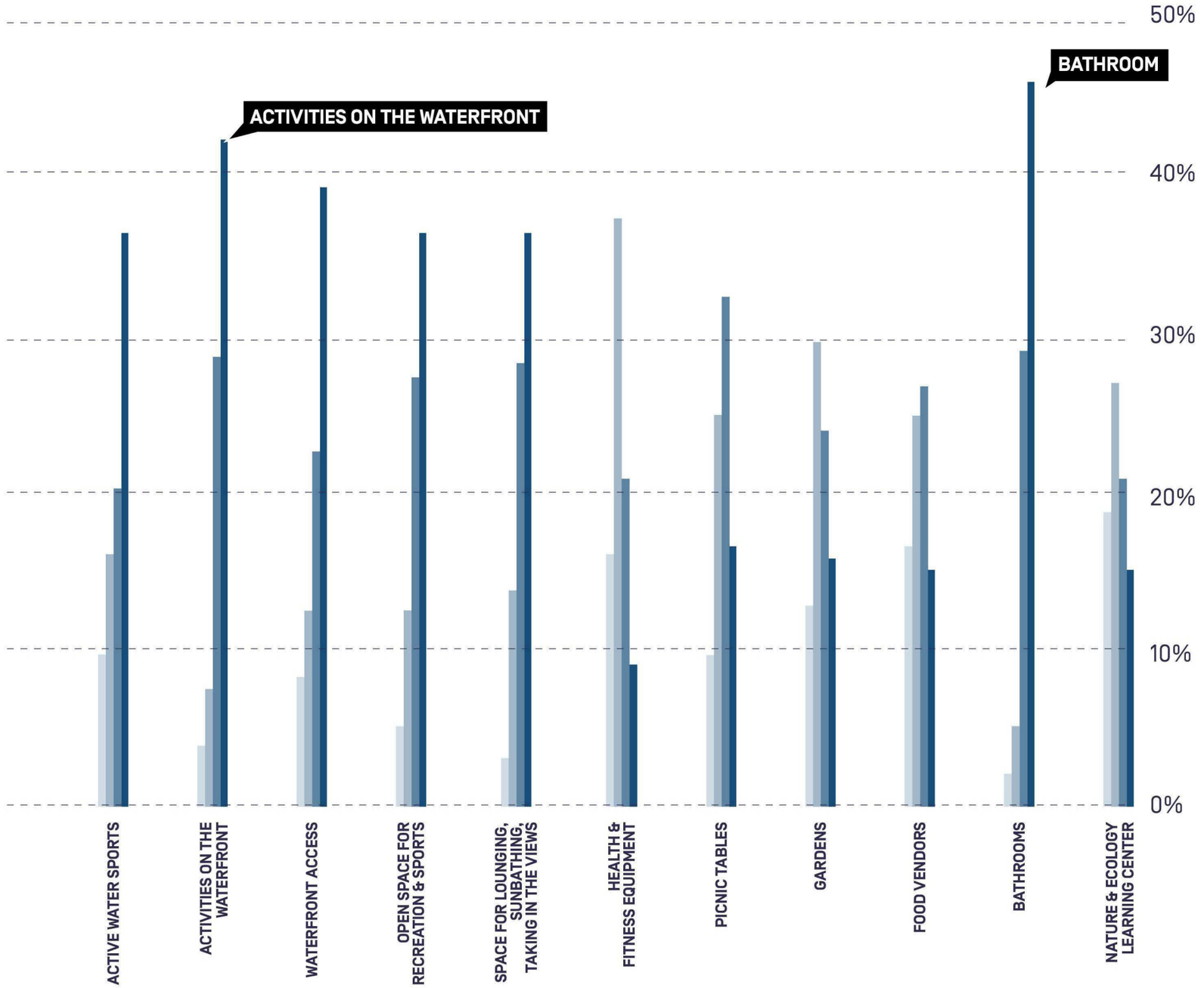


MORE IDEAS

ANY OTHER IDEAS & QUESTIONS FOR A NEW MARINA PARK?

AMENITY IMPORTANCE

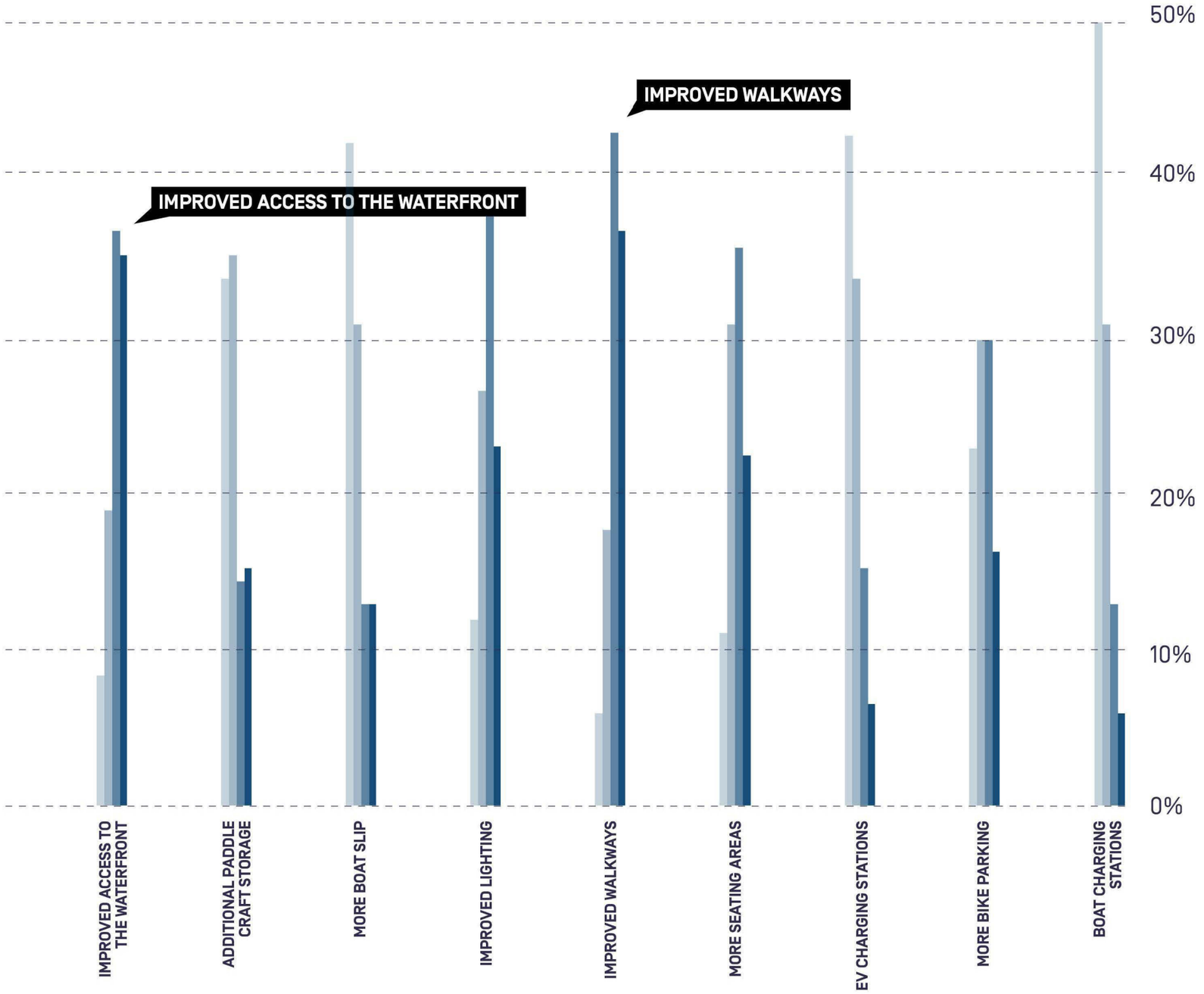
HOW IMPORTANT ARE THE AMENITIES AT A FUTURE MARINA PARK?



NOT AT ALL IMPORTANT
LESS IMPORTANT
IMPORTANT
VERYIMPORTANT

INFRASTRUCTURE IMPORTANCE

HOW IMPORTANT ARE THE INFRASTRUCTURE IMPROVEMENT WOULD YOU LIKE TO SEE AT THE MARINA?



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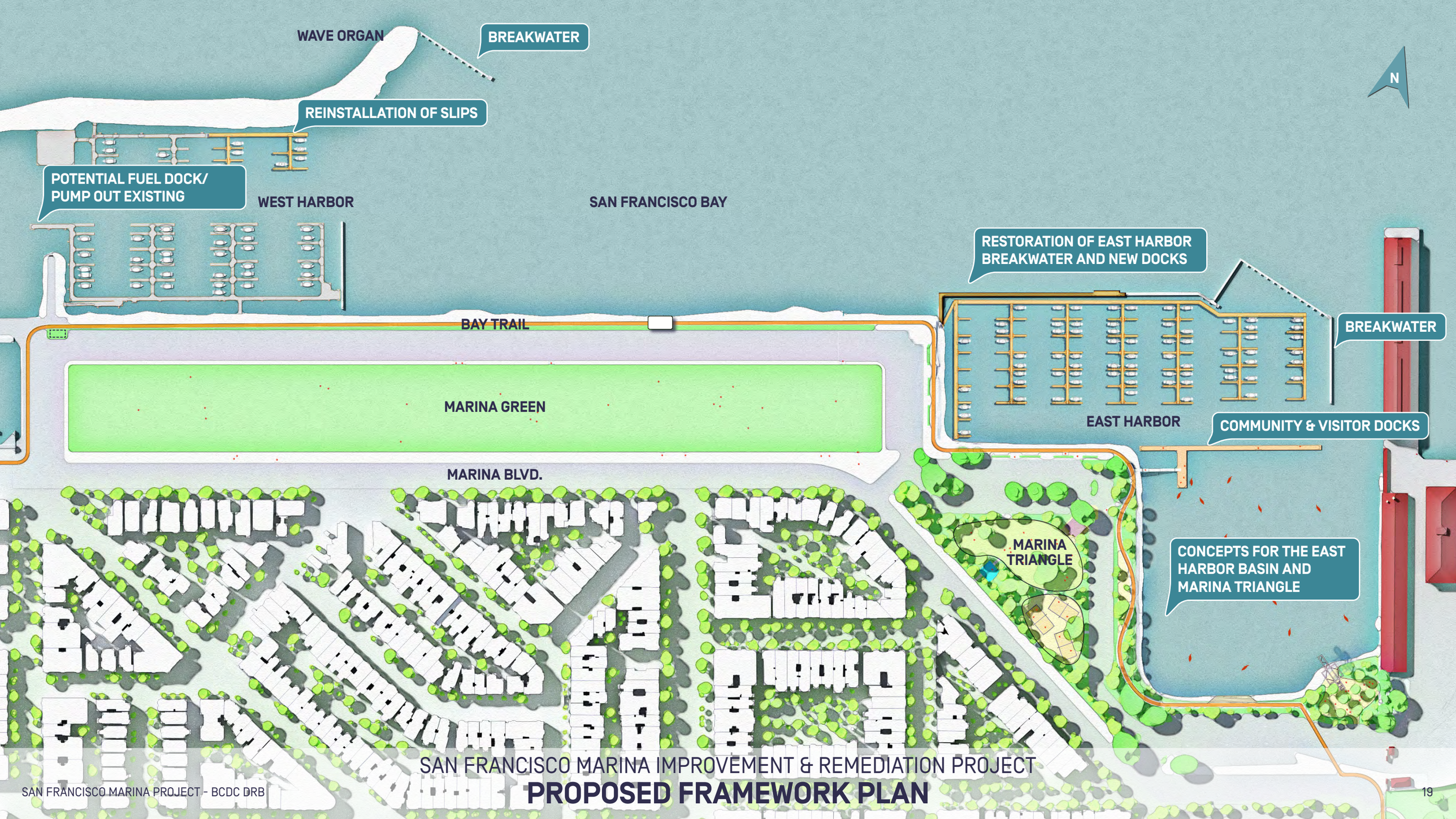
OCTOBER 2023 FRAMEWORK PLAN



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PROPOSED FRAMEWORK PLAN

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EXISITNG MARINA WATERFRONT

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OCTOBER 2023 PROPOSED

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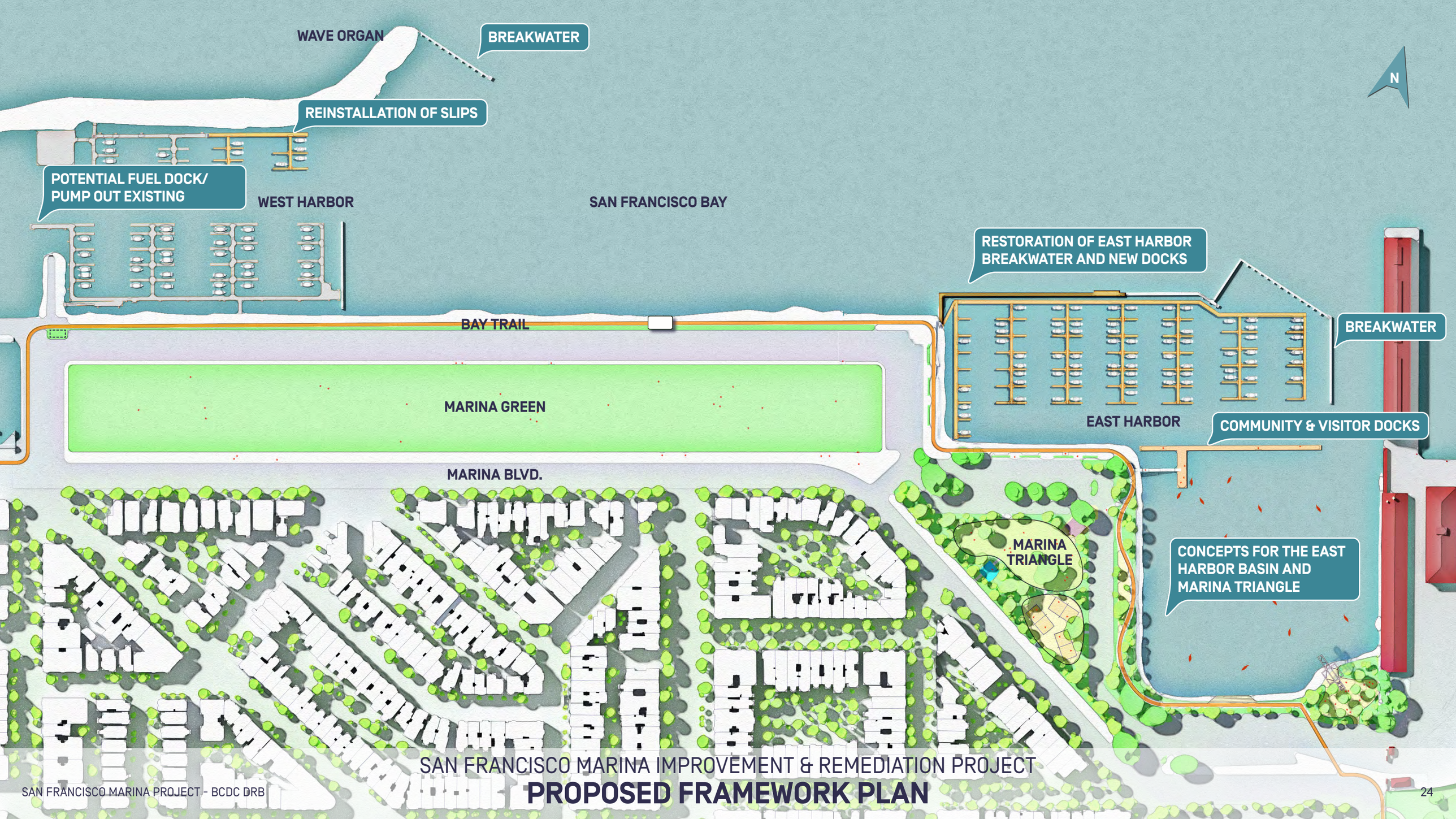
PROPOSED MARINA WATERFRONT

SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

PROPOSED MARINA WATERFRONT



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PROPOSED FRAMEWORK PLAN

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EXISTING SITE PLAN

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PROPOSED SITE PLAN

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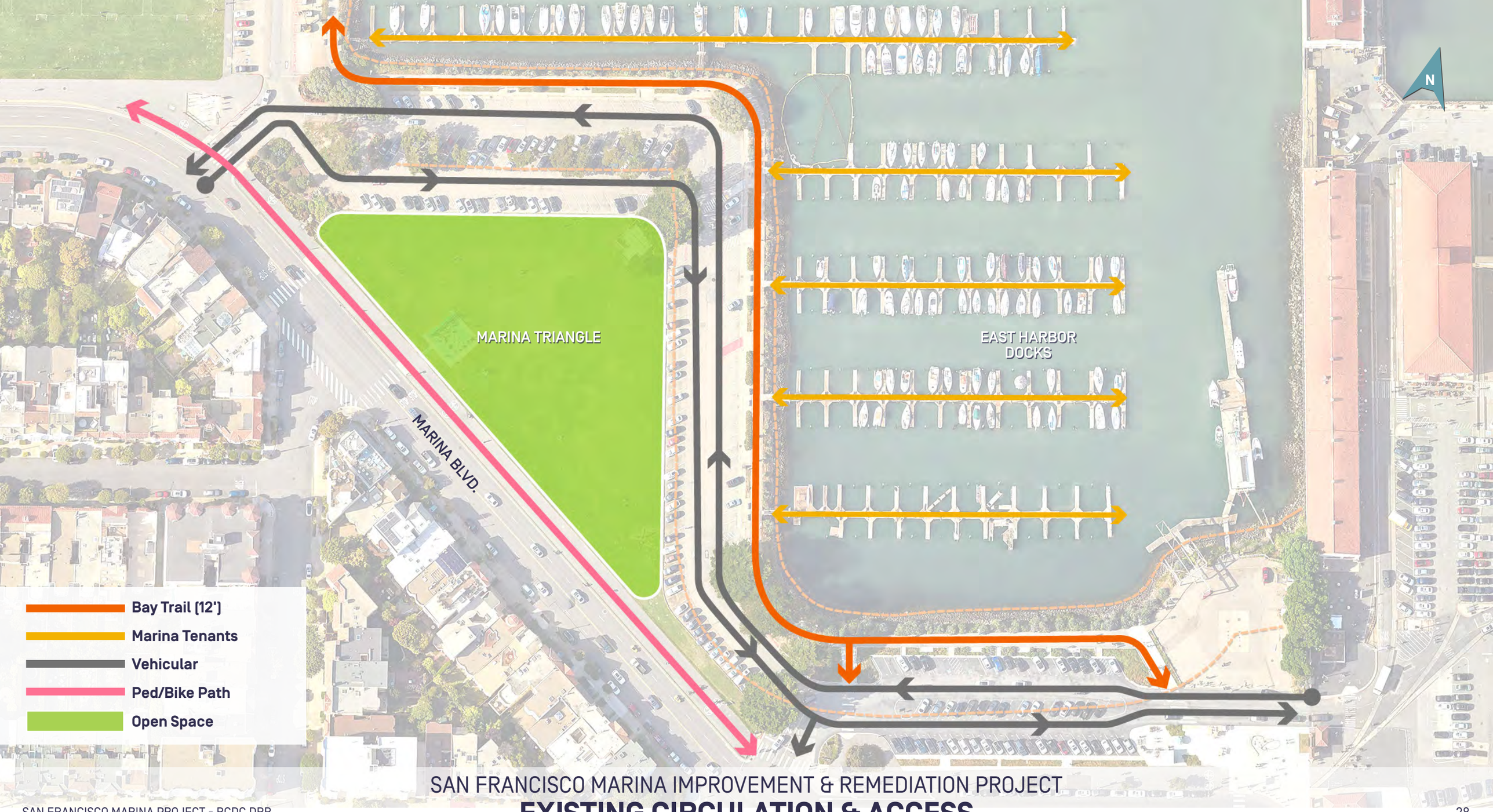
PROPOSED SITE PLAN



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EXISTING CIRCULATION & ACCESS

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PROPOSED CIRCULATION & ACCESS


KAYAK POLO


KAYAKS


SAIL BOATS


PADDLE BOARDS

MARINA TRIANGLE

MARINA BLVD.

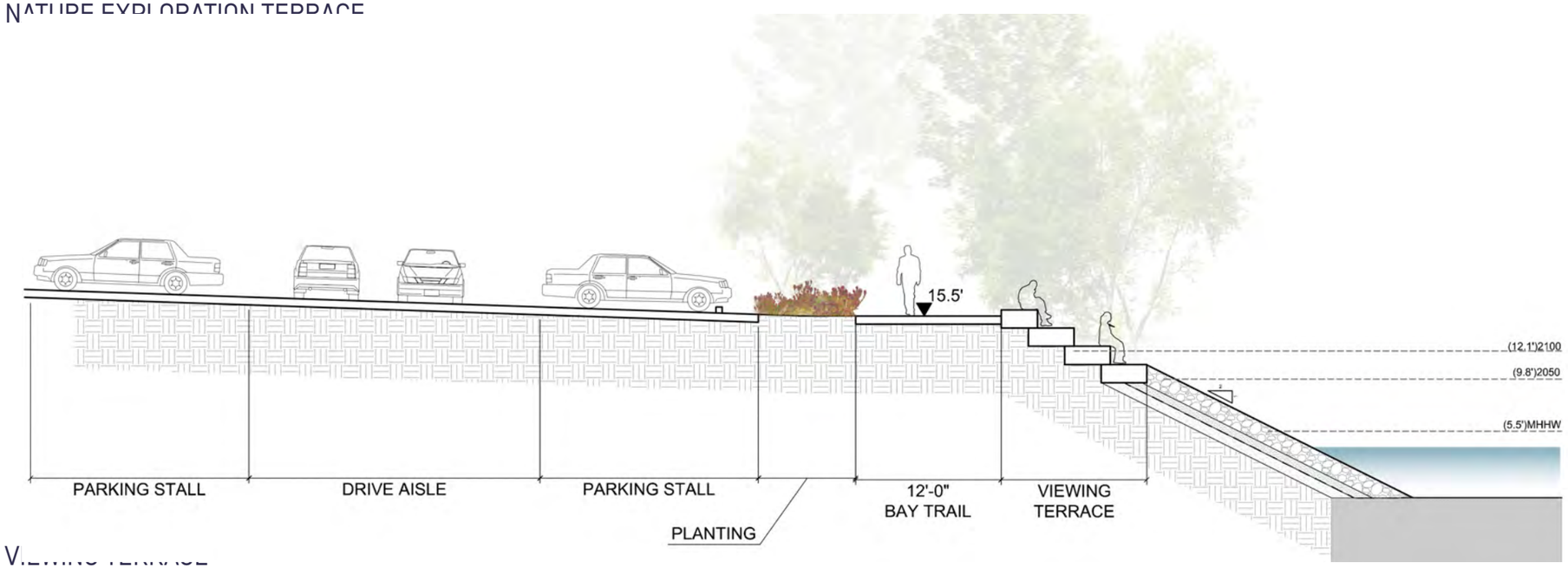
SHALLOW
WATER BASIN

N

SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

PROPOSED CIRCULATION & ACCESS

SECTION A: NATURE EXPLORATION TERRACE



SECTION B: VIEWING TERRACE

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CONCEPT SECTIONS

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NATURE EXPLORATION TERRACE

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EXISTING CONDITION

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GOLDEN GATE BRIDGE LAWN

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EXISTING CONDITION

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COMMUNITY DOCK

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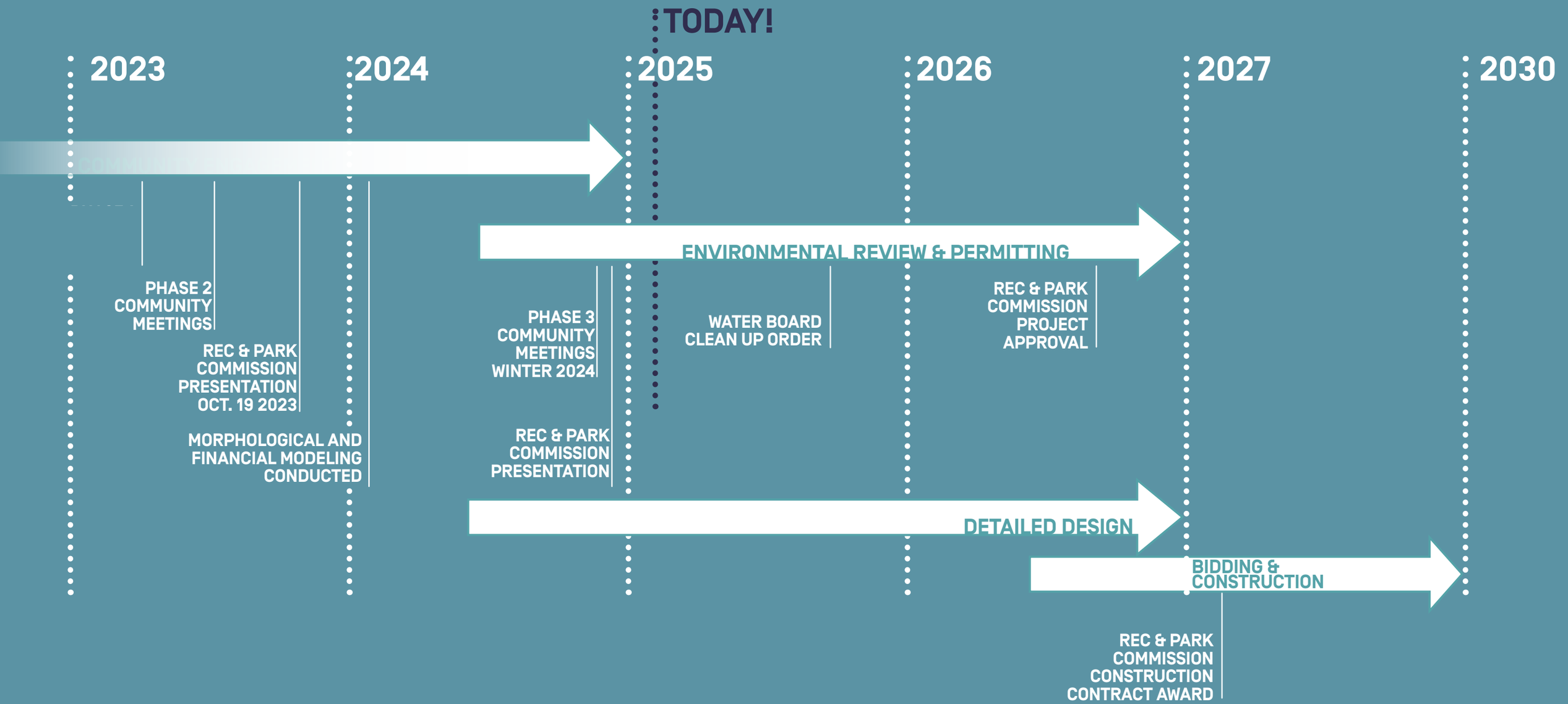
ANGEL ISLAND OVERLOOK



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PROJECT SCEDULE


SAN
FRANCISCO
MARINA
PARK
THANK YOU!
SAN FRANCISCO
RECREATION
& PARKS
PG&E