



San Francisco's Ocean Beach Climate Change Adaptation Project



File No. 231075, Great Highway Extension - Road Closure

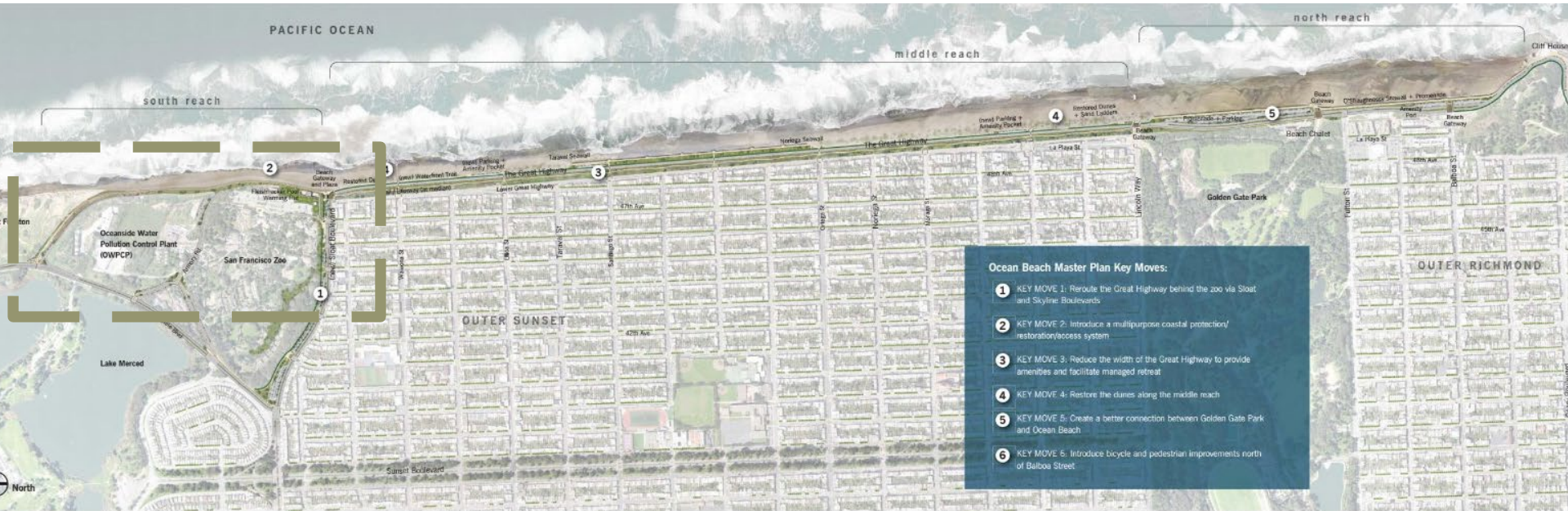
Land Use & Transportation Committee | April 29, 2024

Anna M. Roche, SFPUC Project Manager, Climate Change

Monica Scott, SF Rec Park Project Manager

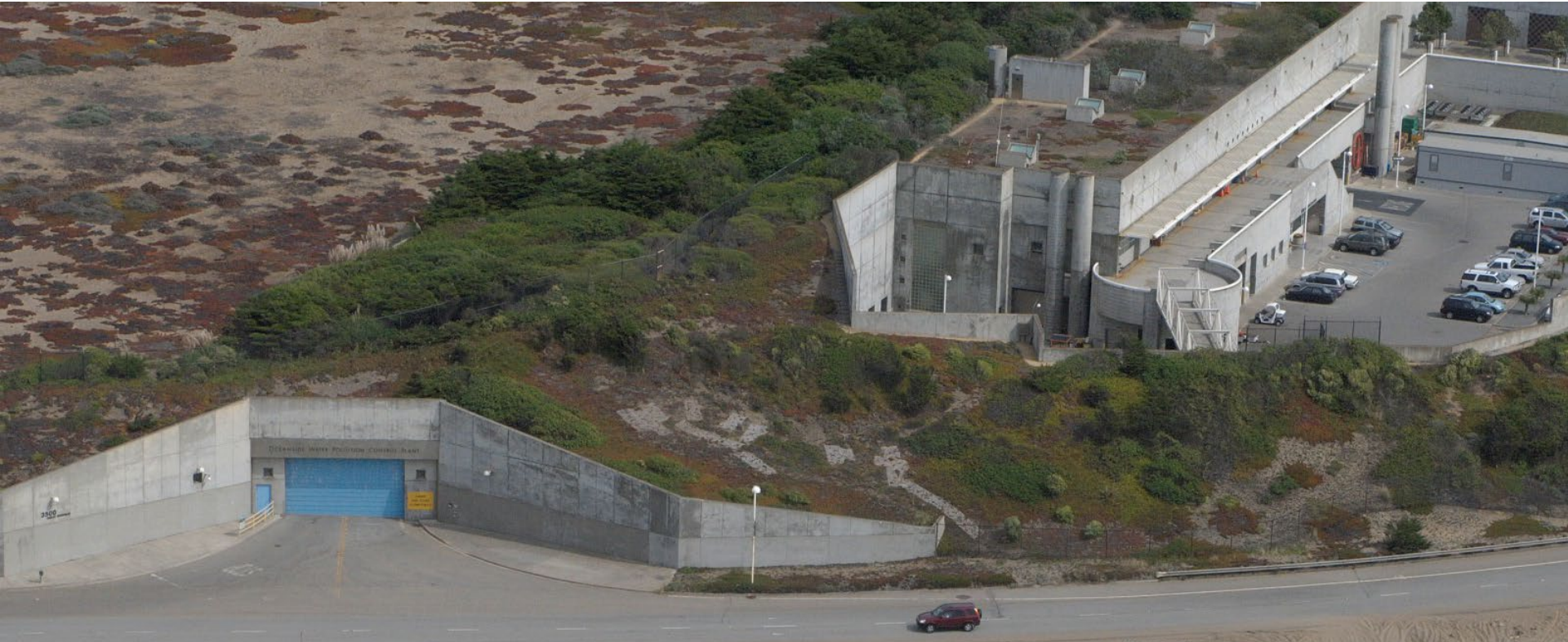


Project Location



Southern Portion of Ocean Beach

Project History – Clean Water Program



Chronic Erosion



Historic Approaches to Coastal Erosion





Climate Change Focused Planning for Ocean Beach



ocean beach master plan

May 2012



with AECOM | ESA PWA | NelsonNygaard | Sherwood Design Engineers | Phil D King PhD



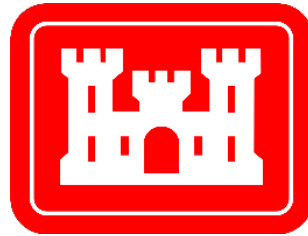
Partner Agencies



San Francisco
Public Utilities
Commission



San Francisco
Planning



Temporary Protection Measures

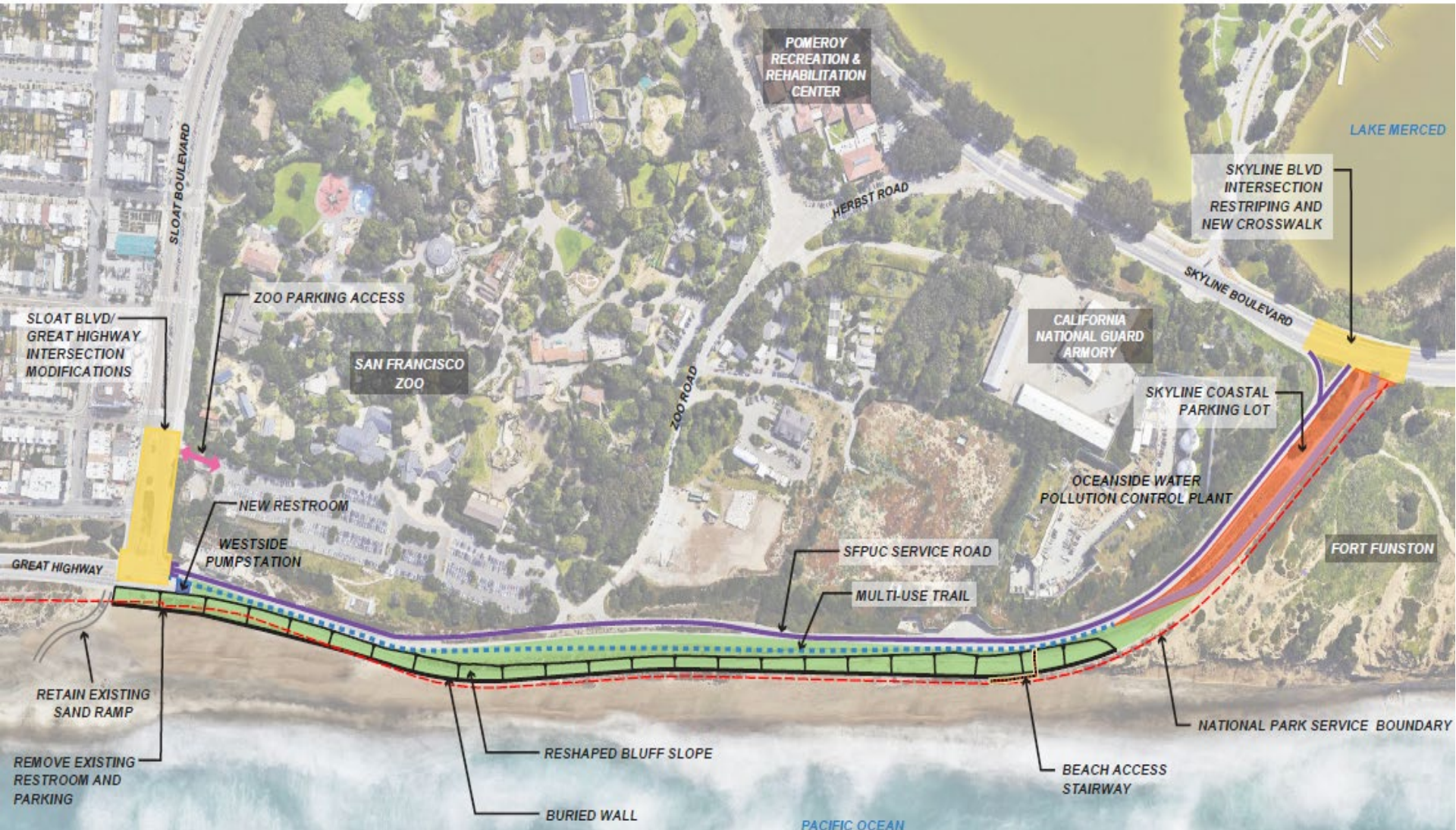


Sand from North Ocean Beach

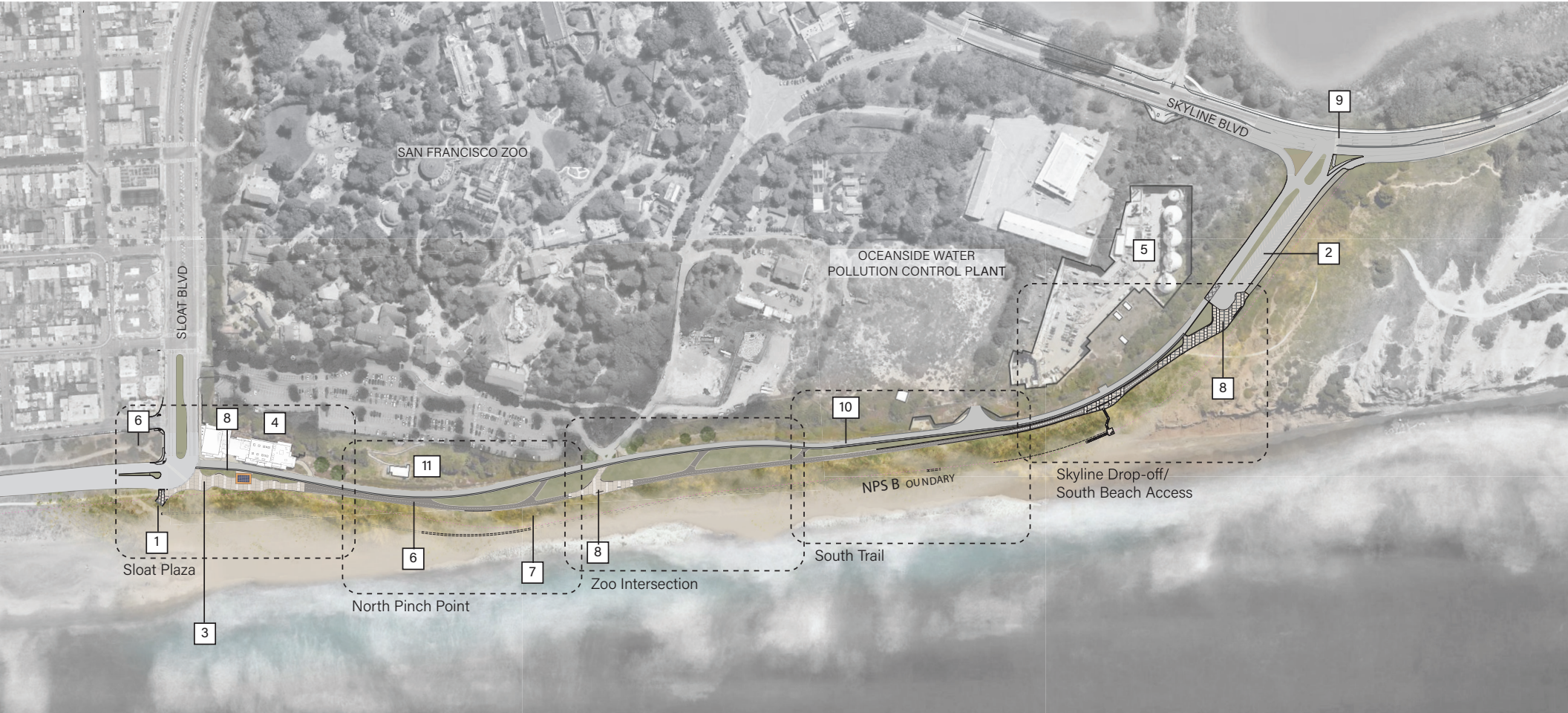


Army Corps Sand Nourishment

Ocean Beach Major Project Components



OBCCAP FULL SITE PLAN



KEY

- 1 SAND RAMP MAINTENANCE VEHICLE ACCESS
- 2 SKYLINE PARKING LOT
- 3 SLOAT PLAZA
- 4 WESTSIDE PUMP STATION

- 5 OCEANSIDE WATER POLLUTION CONTROL PLANT
- 6 MULTI-USE TRAIL
- 7 STABILIZATION | NATIVE REVEGETATION
- 8 SKYLINE DROP OFF AREA

- 9 CROSSWALK TO LAKE MERCED
- 10 SERVICE ROAD (ONE-WAY)
- 11 COASTAL CONSERVATION CENTER

0 | 150' | 300'



SLOAT PLAZA

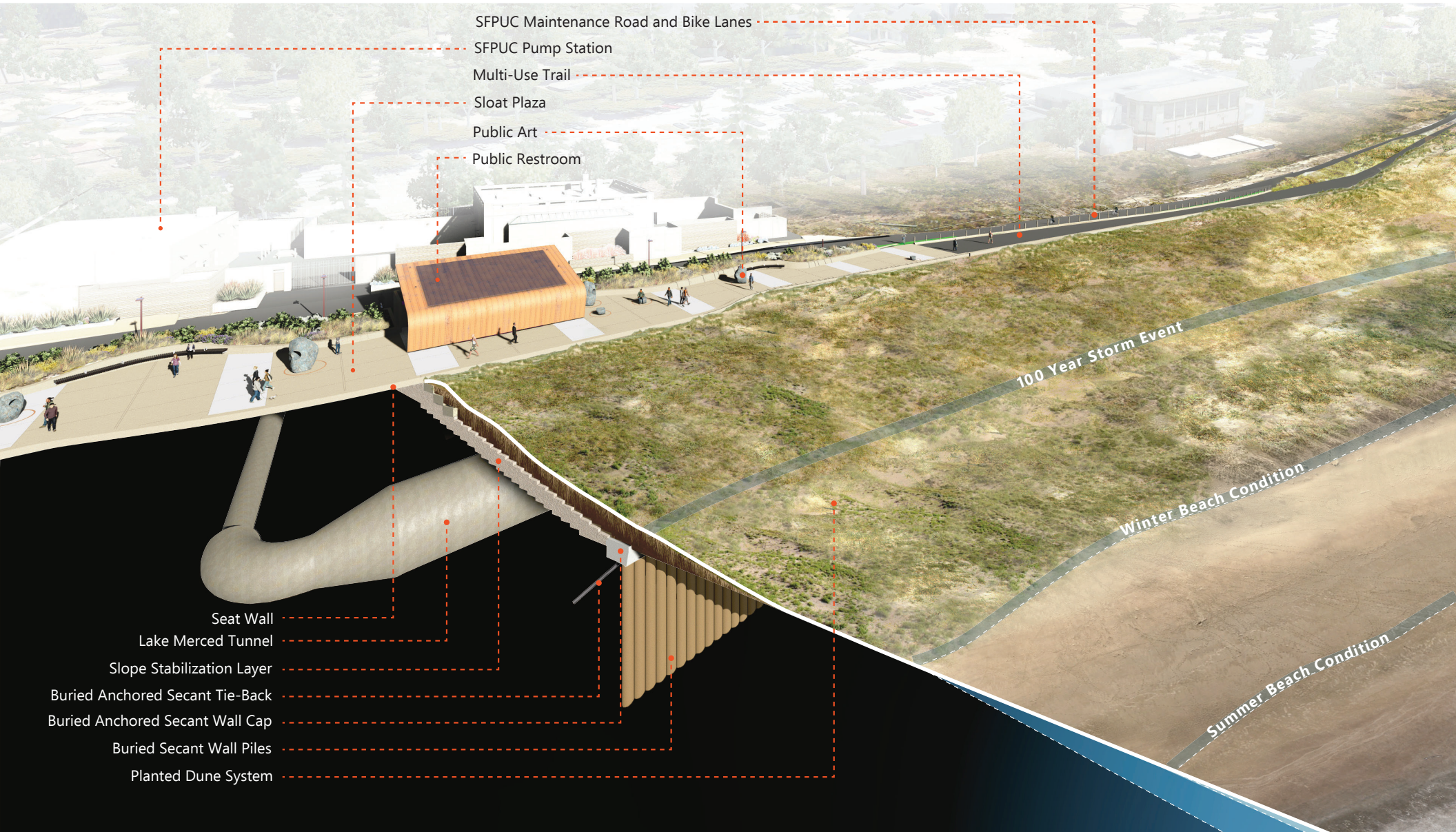


- BIKE RACKS
- SOLAR POLE LIGHTS
- BENCH SEATING
- SEAT WALL TYPE 2
- TRASH BIN

- PUBLIC ART INSTALLATION
- SEAT WALL TYPE 1
- LAKE MERCED TUNNEL (BELOW GRADE)
- SERVICE ROAD (ONE-WAY) + COMMUTER BIKE LANE (TWO-WAY)
- RESTROOM + MAINTENANCE FACILITY
- BOLLARDS
- BEACH ACCESS RAMP + GATE
- DUNE STABILIZATION
- NATIVE + ADAPTIVE SPECIES PLANTING



SECTION PERSPECTIVE - BELOW GRADE INFRASTRUCTURE AT SLOAT INTERSECTION

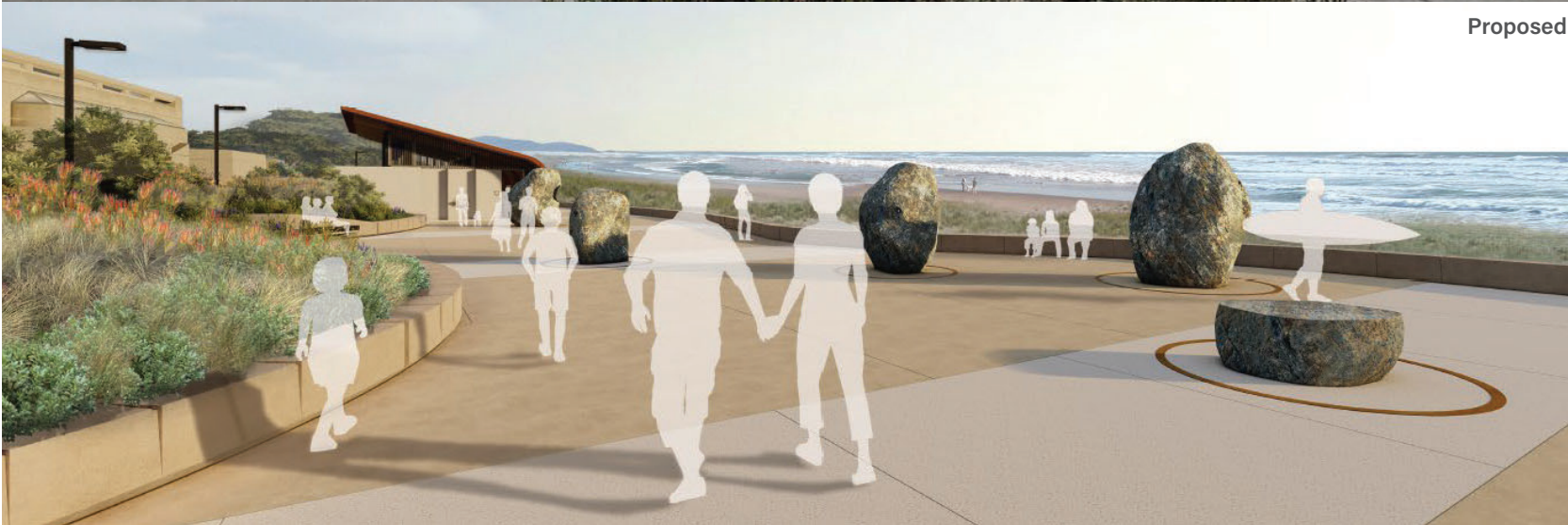


EXISTING AND PROPOSED CONDITION AT SLOAT PLAZA - SOUTH FACING

Existing



Proposed



EXISTING AND PROPOSED CONDITION AT SLOAT PLAZA - NORTH FACING

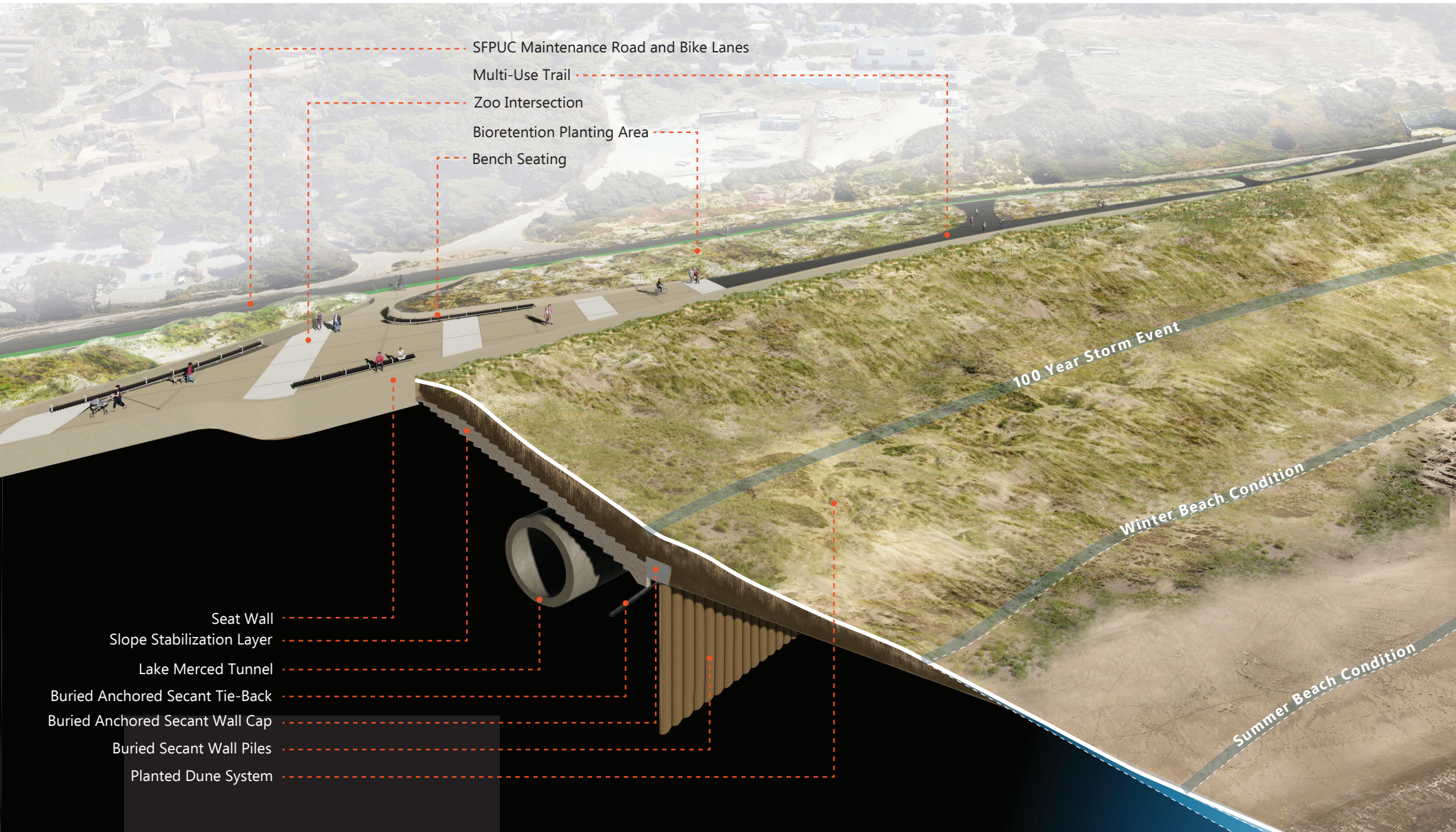
Existing



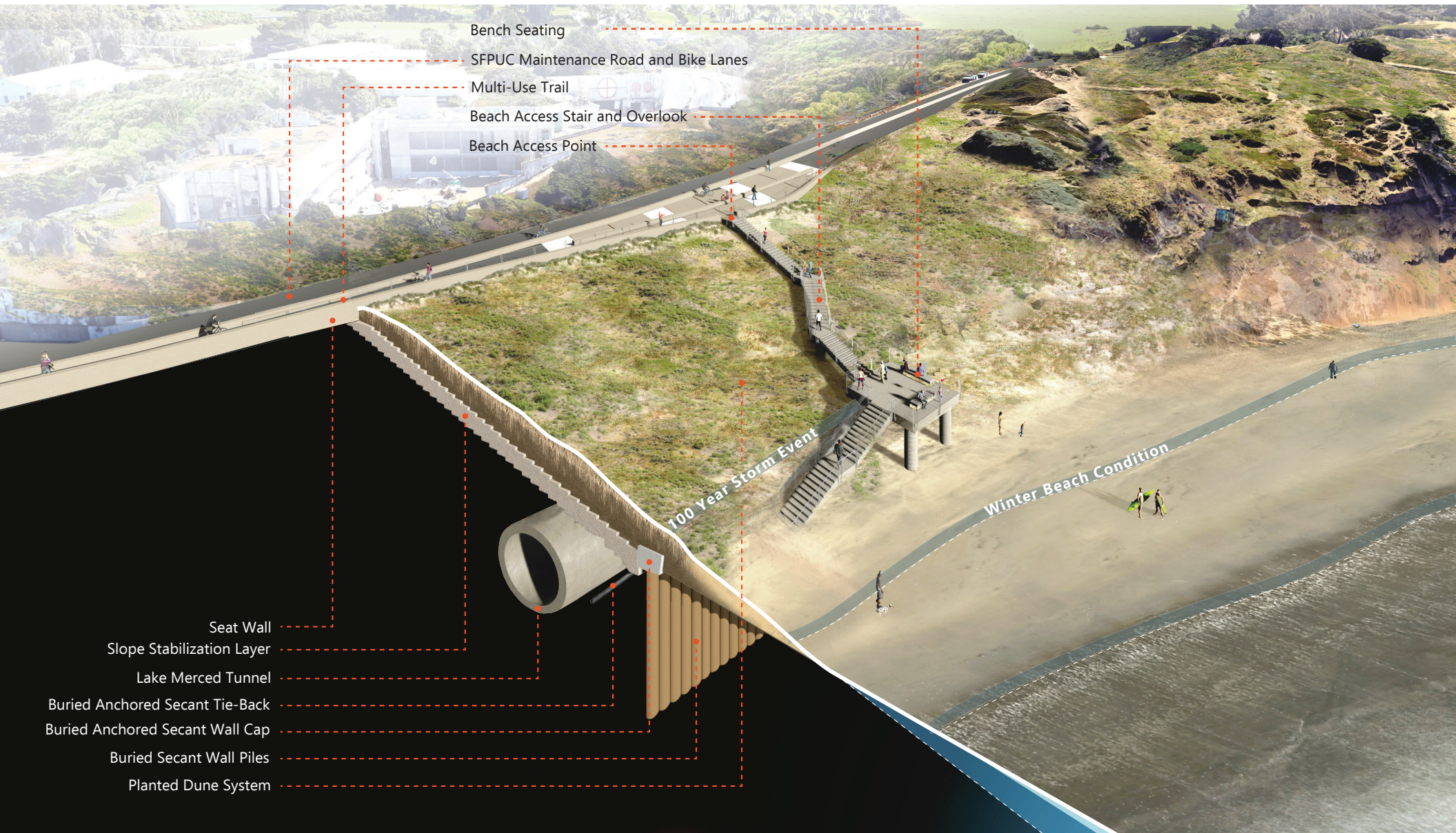
Proposed



SECTION PERSPECTIVE - BELOW GRADE INFRASTRUCTURE AT ZOO PLAZA



SECTION PERSPECTIVE - BELOW GRADE INFRASTRUCTURE AT SOUTH BEACH ACCESS



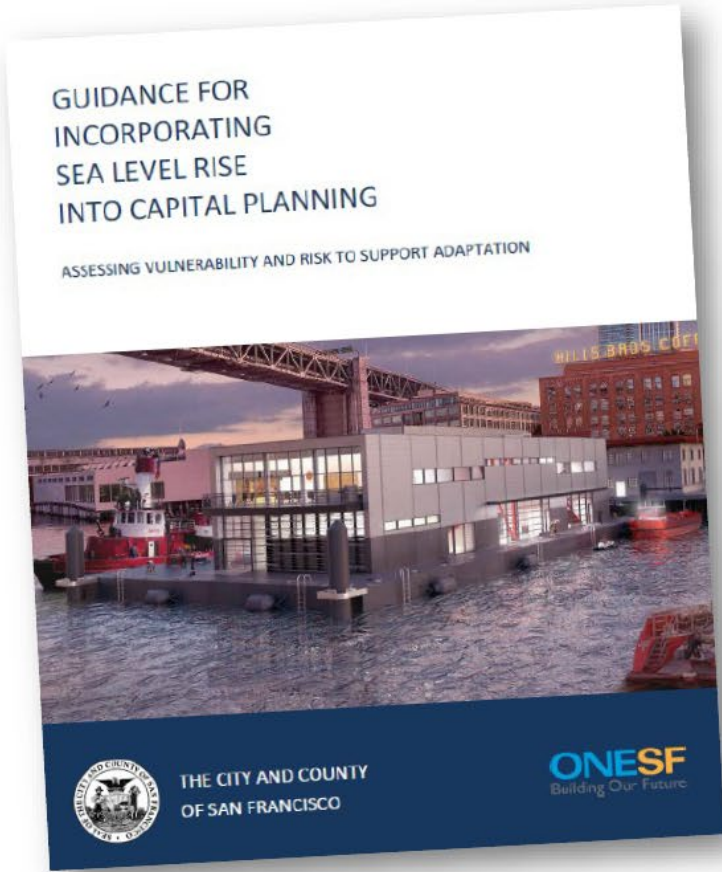
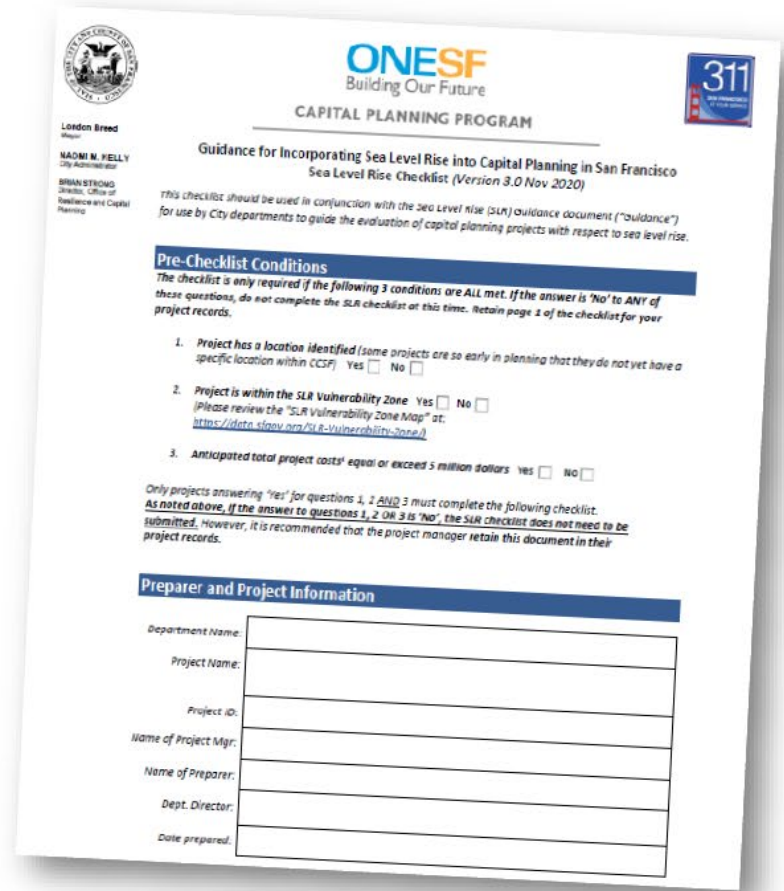
ZOO INTERSECTION TO SKYLINE



KEY

- 1 BIORETENTION PLANTING
- 2 MAINTENANCE ROAD (ONE-WAY)
+ COMMUTER BIKE LANE (TWO-WAY)
- 3 MULTI-USE TRAIL (15'-0" MIN)
- 4 BARRIER AT PINCH POINT
- 5 DUNE STABILIZATION PLANTING
- 6 SACRIFICIAL ZONE (BEACH)
- 7 ACCESS TO OCEANSIDE WATER
POLLUTION CONTROL PLANT
- 8 SEATWALL
- 9 BEACH ACCESS STAIR
- 10 SKYLINE TRAIL HEAD & PARKING
DROP OFF ZONE
- 11 SKYLINE PARKING LOT
- 12 (N) CROSSWALK TO LAKE MERCED
- 13 BIKE TRAIL TO SKYLINE BLVD.



ONESF
Building Our Future

CAPITAL PLANNING PROGRAM

**Guidance for Incorporating Sea Level Rise into Capital Planning in San Francisco
Sea Level Rise Checklist (Version 3.0 Nov 2020)**

This checklist should be used in conjunction with the sea level rise (SLR) guidance document ("guidance") for use by City departments to guide the evaluation of capital planning projects with respect to sea level rise.

Pre-Checklist Conditions
The checklist is only required if the following 3 conditions are ALL met. If the answer is 'No' to ANY of these questions, do not complete the SLR checklist at this time. Retain page 1 of the checklist for your project records.

1. **Project has a location identified** (some projects are so early in planning that they do not yet have a specific location within CCSF) Yes No
2. **Project is within the SLR Vulnerability Zone** Yes No
(Please review the "SLR Vulnerability Zone Map" at: <https://data.sfpuc.org/SLR-Vulnerability-Zone/>)
3. **Anticipated total project costs equal or exceed 5 million dollars** Yes No

Only projects answering "yes" for questions 1, 2 AND 3 must complete the following checklist. As noted above, if the answer to questions 1, 2 OR 3 is "No", the SLR checklist does not need to be submitted. However, it is recommended that the project manager retain this document in their project records.

Preparer and Project Information

Department Name:	
Project Name:	
Project ID:	
Name of Project Mgr:	
Name of Preparer:	
Dept. Director:	
Date prepared:	



Major Milestones

Legislation to authorize closure of the Great Highway Extension Introduced to Board of Supervisors in October 2023

Coastal Development Permit Hearing June 2024

100% Design early 2025

Bid Advertisement mid 2025

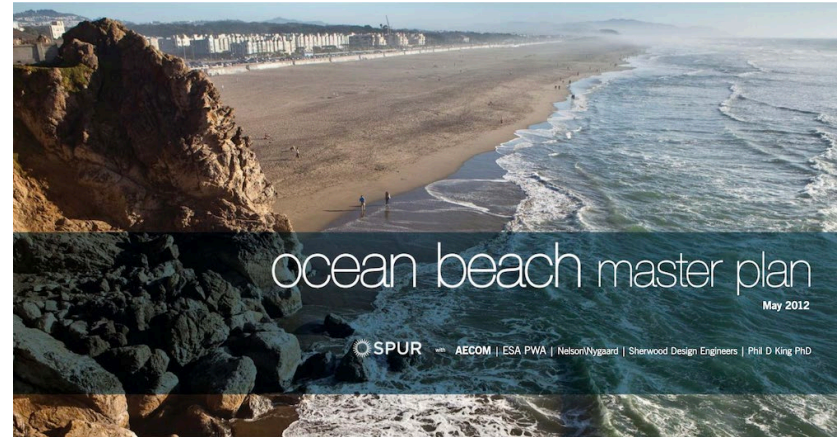
Construction late 2025

Great Highway Extension Closure early 2026

Outreach & Engagement

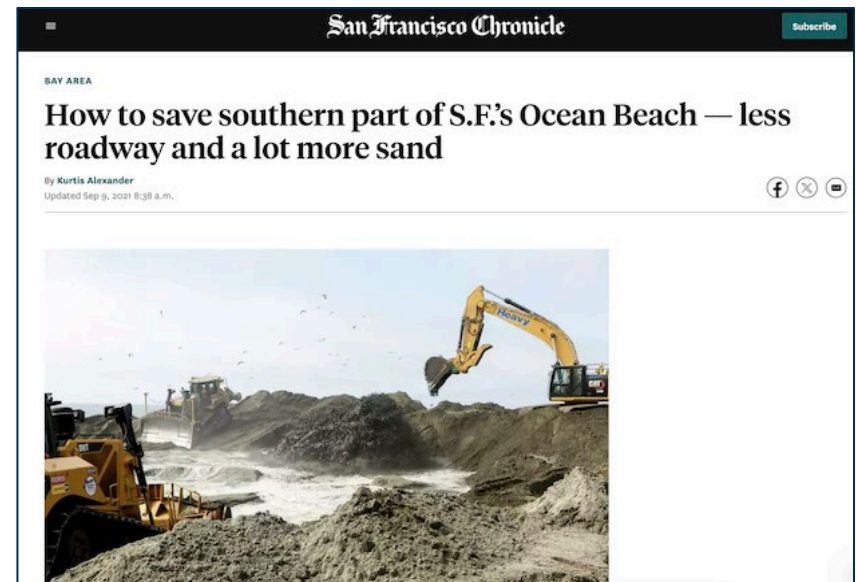
To date

- 2012 Ocean Beach Master Plan
 - Ongoing engagement with key stakeholders from OBMP
- Community meetings with District Supervisors, neighborhood/merchant associations, tabling at community events (World Ocean Day, Sunday Streets, Great Highway)
- Local media coverage
- Regular email and digital updates



Planned

- Regular updates, briefings & noticing via email, signage, social media and USPS hard copy
- Great Highway & Ocean Beach weekend events, tabling, community events
- Extensive signage and coordination with partner agencies and neighboring jurisdictions for broader reach



Questions and Answers

