

# South Ocean Beach Multi-Use Trail Project

Community Meeting #1 – December 3, 2020



## MEETING FORMAT

**We want to hear from you!**

**Please enter all questions, comments or feedback into the Q&A at any point during the presentation - Q&A is located at the bottom of your screen.**

Questions will be read and answered aloud during the Q&A period which will immediately follow the presentation.

There will be an opportunity during the Q&A for people calling in to ask questions.

**A summary of the Q&A, and any questions that we are not able to answer this evening, will be posted to the project website following this meeting.**

This meeting is being held in a webinar format and only the panelists and moderators can be seen and heard.



Ocean Beach Climate Adaptation Project – South Ocean Beach Multi-Use Trail Project

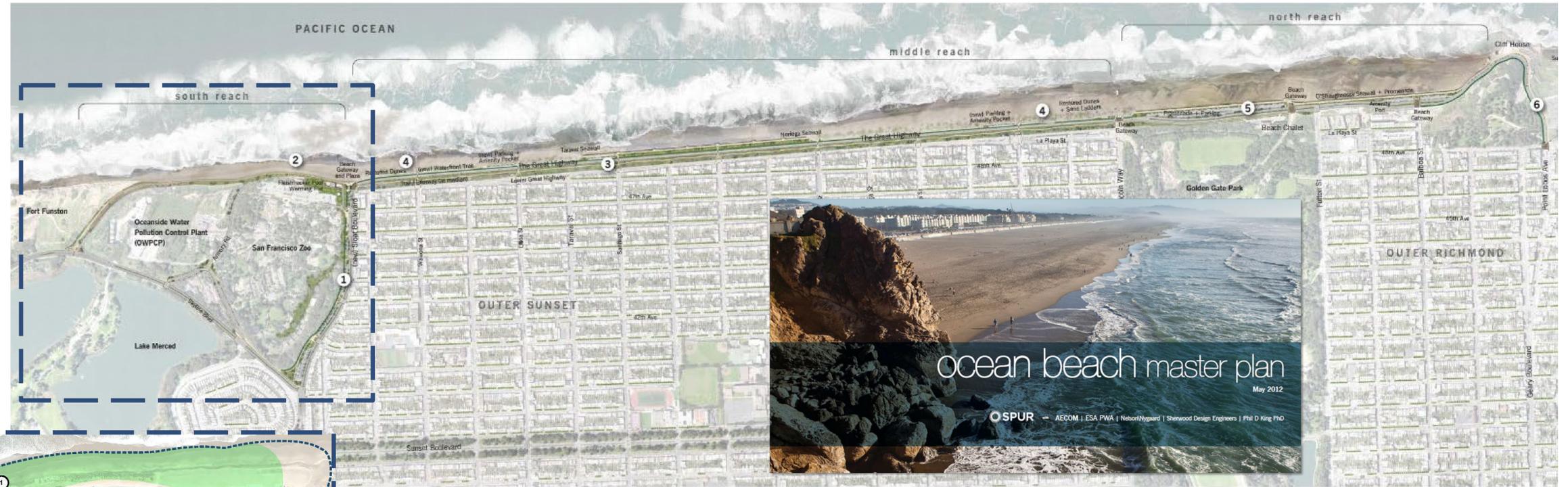
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# AGENDA

- Introductions 5 MINUTES
  - Project Area & Team Background
- Ocean Beach Climate Adaptation Project 5 MINUTES
  - Anna Roche, SFPUC Project Manager
- South Ocean Beach Multi-Use Trail Project and Public Access 15 MINUTES
  - Monica Scott, SFRPD Project Manager
- Q&A and Next Steps 30 MINUTES



# PROJECT AREA



SAN FRANCISCO  
**PUBLIC  
WORKS**

MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**

**Ocean Beach Climate Adaptation Project – South Ocean Beach Multi-Use Trail Project**

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# PROJECT TEAM

## **SAN FRANCISCO RECREATION AND PARKS**

**Monica Scott** – Project Manager

**Brian Stokle** – Planner

Stacy Bradley – Deputy Director of Planning

Eric Andersen – Superintendent of Parks and Open Space

## **SAN FRANCISCO PUBLIC UTILITIES COMMISSION**

**Anna M. Roche** – Project Manager

Heather Manders – Project Engineer

## **SAN FRANCISCO PUBLIC WORKS**

Edmund Lee – Project Manager

Paul DeFreitas – Architect

Eoanna Goodwin – Architect

Koa Pickering – Landscape Architect

## **MUNDEN FRY LANDSCAPE ASSOCIATES**

James Munden – Landscape Architect

## PROJECT PARTNERS

### **SAN FRANCISCO PLANNING DEPARTMENT**

Julie Moore

### **SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY**

Tim Doherty

### **SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY**

Camille Guiriba

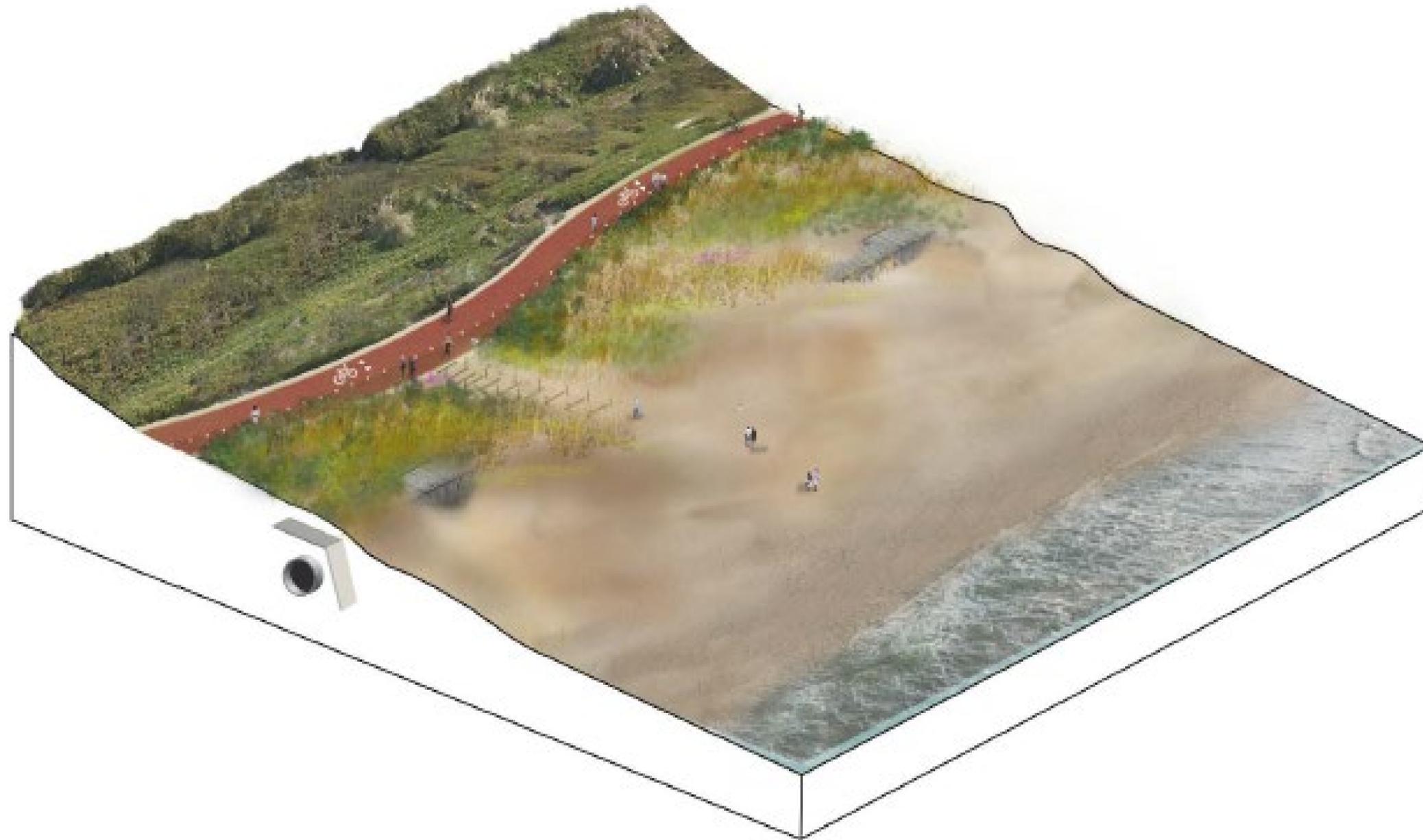
### **GOLDEN GATE NATIONAL RECREATION AREA**

Brian Aviles



# PROJECT BACKGROUND – Ocean Beach Climate Adaptation Project

Presented by Anna M. Roche, Project Manager, SFPUC



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# PROJECT BACKGROUND

Ocean Beach Climate Adaptation Project



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# PROJECT BACKGROUND

Ocean Beach Climate Adaptation Project

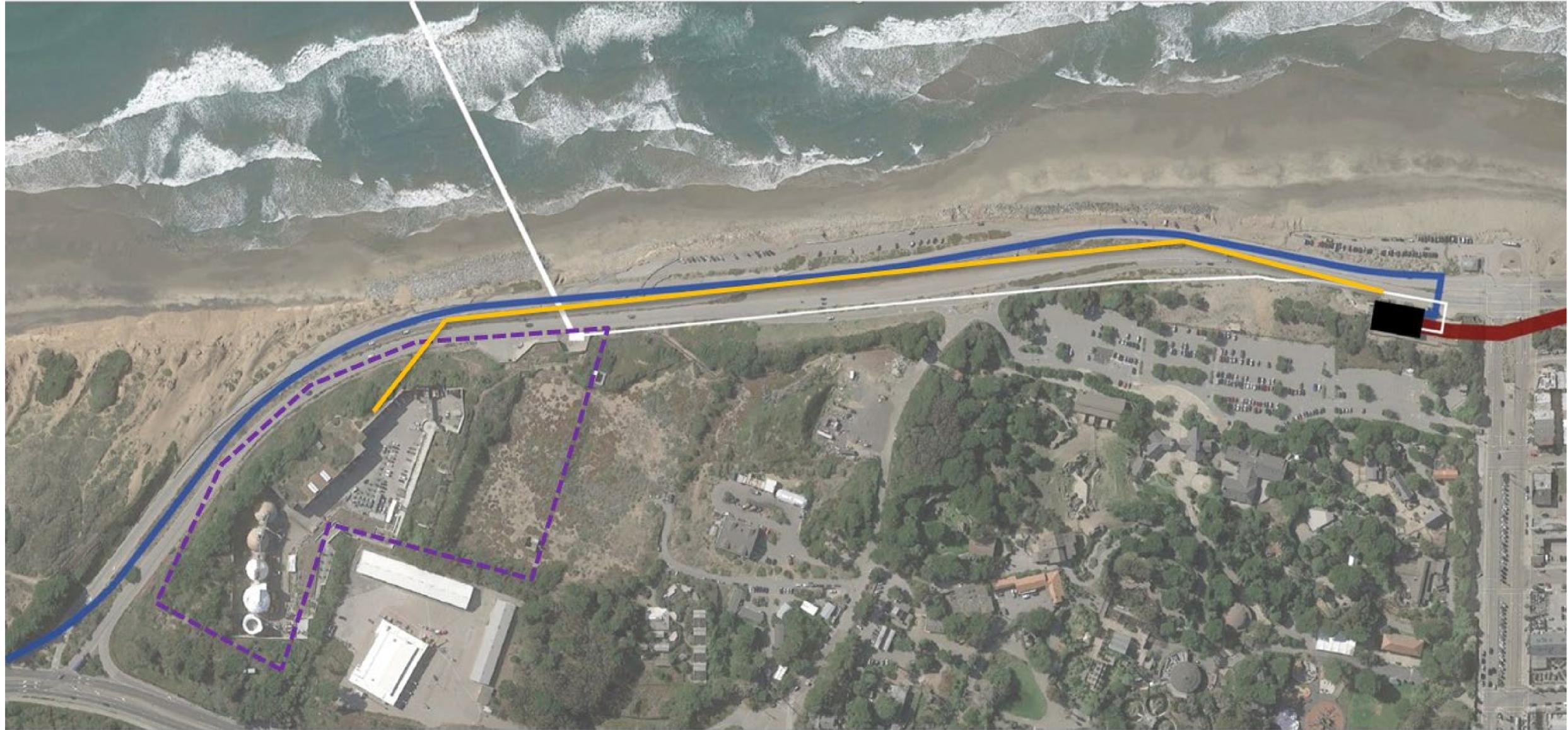


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# PROJECT BACKGROUND

Ocean Beach Climate Adaptation Project



legend



- lake merced tunnel
- westside transport box
- westside force main
- sewer outfall (SWOO)
- pump station
- oceanside treatment plant



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# PROJECT BACKGROUND

Ocean Beach Climate Adaptation Project



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# PROJECT BACKGROUND

Ocean Beach Climate Adaptation Project



## Ocean Beach Climate Change Adaptation Project 3 Phases: Short-term, ACOE, Long-term WWE Facilities and Infrastructure Program

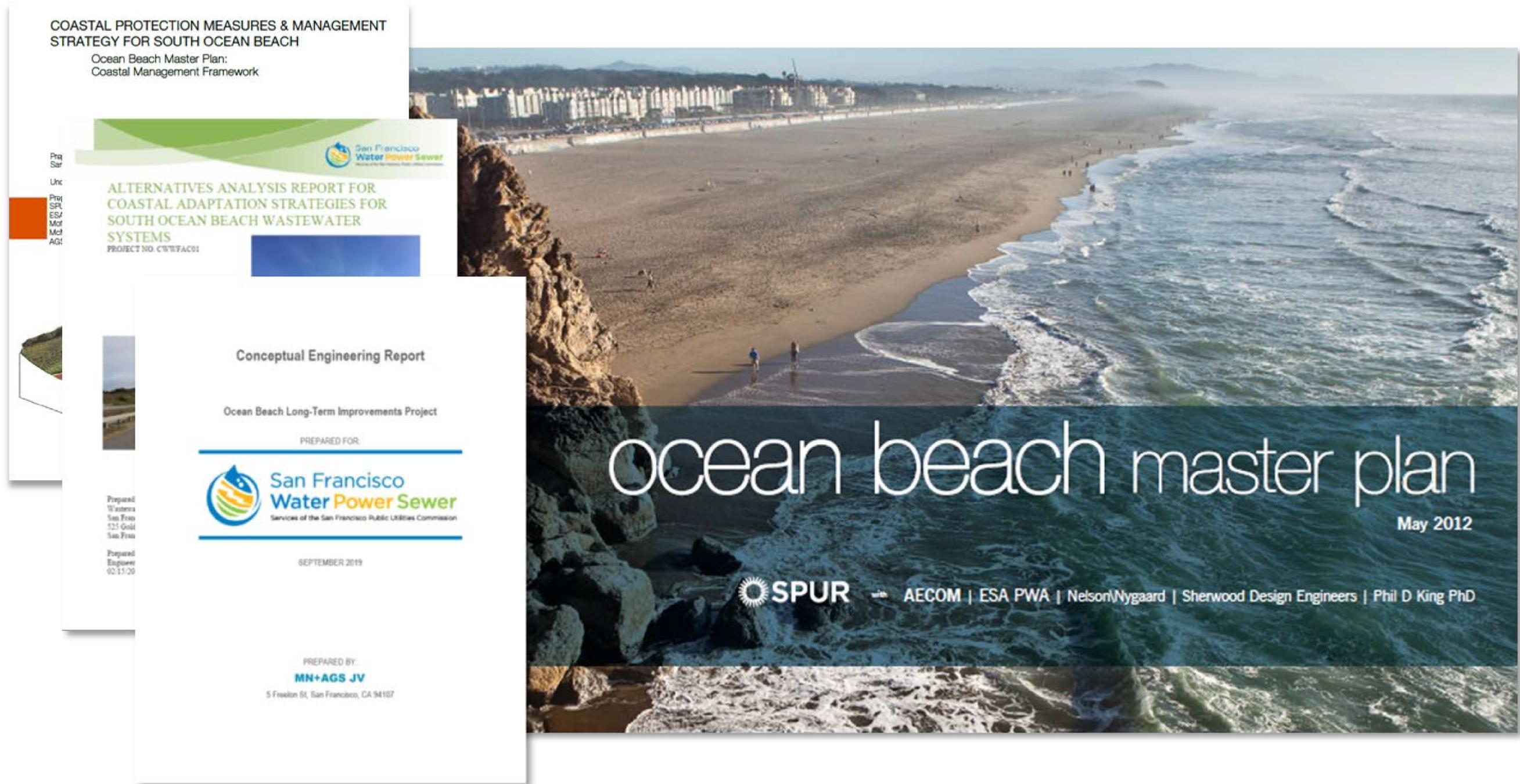


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# PROJECT BACKGROUND

## Ocean Beach Climate Adaptation Project



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# PROJECT OBJECTIVES

Ocean Beach Climate Adaptation Project

1. Adapt to Climate Change

2. Protect Critical Wastewater Infrastructure

3. Improve Public Access and Habitat



# PROJECT DESCRIPTION

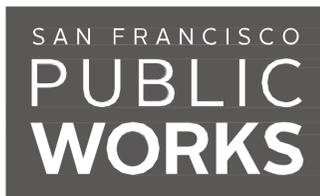
## Ocean Beach Climate Adaptation Project

- Permanently close Great Highway between Sloat and Skyline boulevards, reconfigure affected intersections and SF Zoo access
- Remove pavement, rock and sandbag revetments, and rubble and debris from beach, recontour bluff, plant dune vegetation
- Improve public access, maintain coastal parking, continue to provide restroom facilities
- Install buried wall to protect existing sewer infrastructure from shoreline erosion
- Long-term beach nourishment



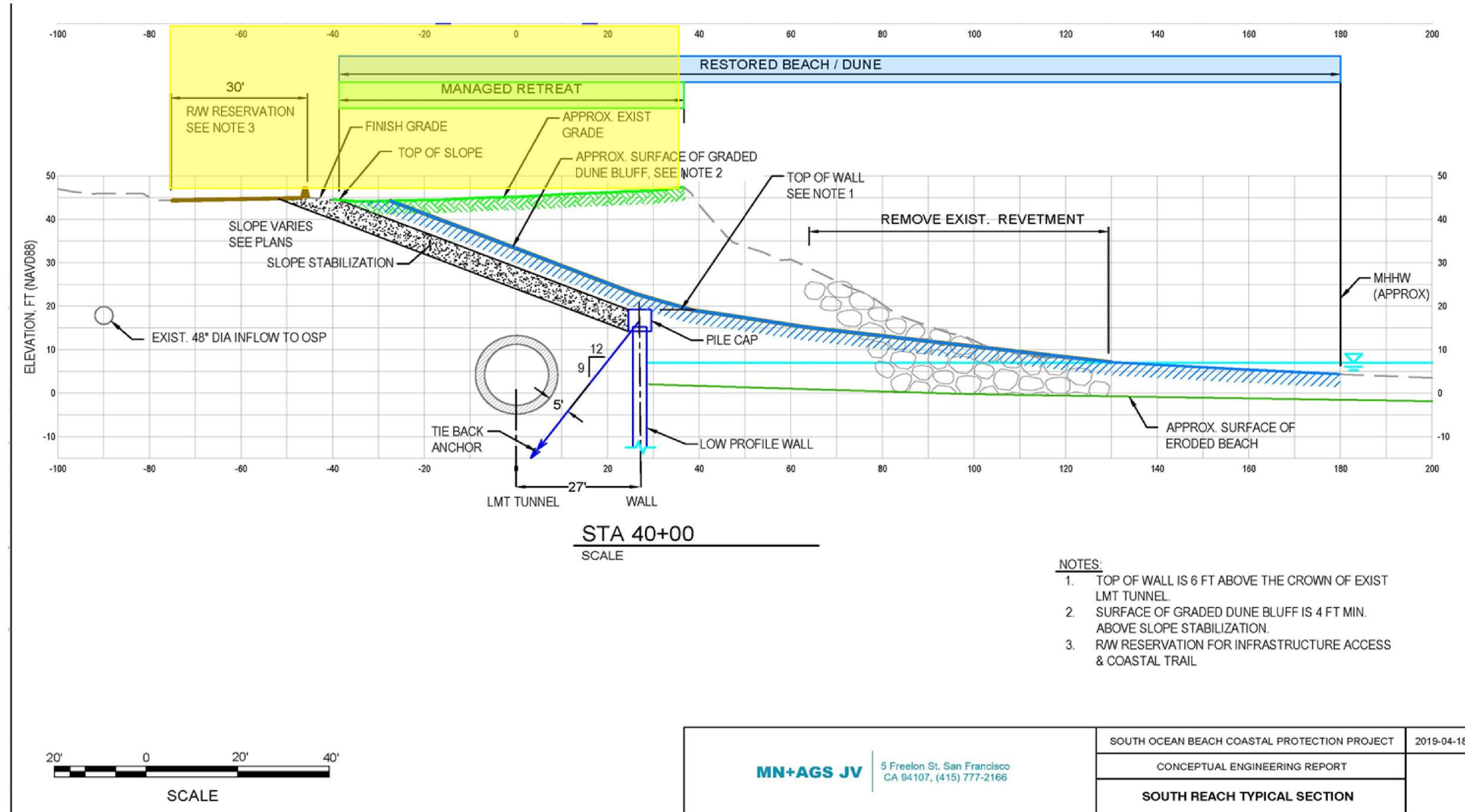
# PROJECT DESCRIPTION

## Ocean Beach Climate Adaptation Project



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# PROJECT DESCRIPTION

## Ocean Beach Climate Adaptation Project

### MULTI-USE TRAIL

Width requirement: 15'-0"

- 9'-0" Bike lane (two way)
- 6'-0" footpath

Surface Material: ADA approved

### PEDESTRIAN TRAIL

Width Requirement:

- Footpath: 3'-6" min, 6'-0" preferred
- Boardwalk: 8'-0" min

Surface Material: ADA approved

### SERVICE ROAD NEEDS

Access points at Westside Pump Station and Oceanside Water Pollution Control Plant

- (2 way, 1 way, signalized?)

Road Width

- 15'-0" service road only
- 21'-0" service road w/ one way bike lane
- 24'-0" service road w/ two way bike lane

[Additional 2'-0" buffer between service road and bike lanes is preferred]

Vehicular Speed

- Assume 25 mph or less

### RESTROOM(S)

- Specification in accordance w/ Recreation & Park requirements
- Locations: TBD
  - Strategy A, B & C indicate (3) locations evenly spread along the multi-use trail

### BIKE TRAIL

Width requirement:

- One way: 6'-0" preferred at curb w/ 4'-0" rideable surface
- Two way: 9'-0"

Surface Material: colored asphalt

### SAND MIGRATION

- NW predominant wind direction
- Dune creation / sand stabilization
  - Dune fencing
  - Plant restoration
- User protection / barrier
- Dune restoration resilient to or reinforced by wind
- Flexible multi-use trail configuration

### SEA LEVEL RISE [SLR] ADAPTATION

- Wave run-up hazards
- Design and shapes must be resilient to or reinforced by waves
- locate permanent (60 yr project lifespan) structure (eg restrooms) as far back and as high as possible
- Flexible multi-use trail configuration



# PROJECT SCHEDULE

Ocean Beach Climate Adaptation Project

- 35% Design – October 2020
- 65% Design – July 2021
- 95% Design – October 2021
- 100% Design – December 2021
- Advertise – July 2022
- Construction – January 2023 to January 2027



# PROJECT OVERVIEW

## South Ocean Beach Multi-Use Trail Project



- KEY
- |                         |   |                                   |
|-------------------------|---|-----------------------------------|
| 1 BEACH ACCESS          | 5 OCEANSIDE WATER POLLUTION CONTROL PLANT | 9 CROSSWALK TO LAKE MERCED        |
| 2 BEACH PARKING         | 6 LOWER GREAT HIGHWAY MULTI-USE TRAIL     | 10 SERVICE ROAD (ONE-WAY)         |
| 3 TRAIL TO FORT FUNSTON | 7 STABILIZATION   NATIVE REVEGETATION     | 11 COASTAL CONSERVATION CENTER    |
| 4 WESTSIDE PUMP STATION | 8 OPEN SPACE                              | 12 LOW PROFILE WALL (BELOW GRADE) |

SCALE  
1"=300'




SAN FRANCISCO  
**PUBLIC  
WORKS**

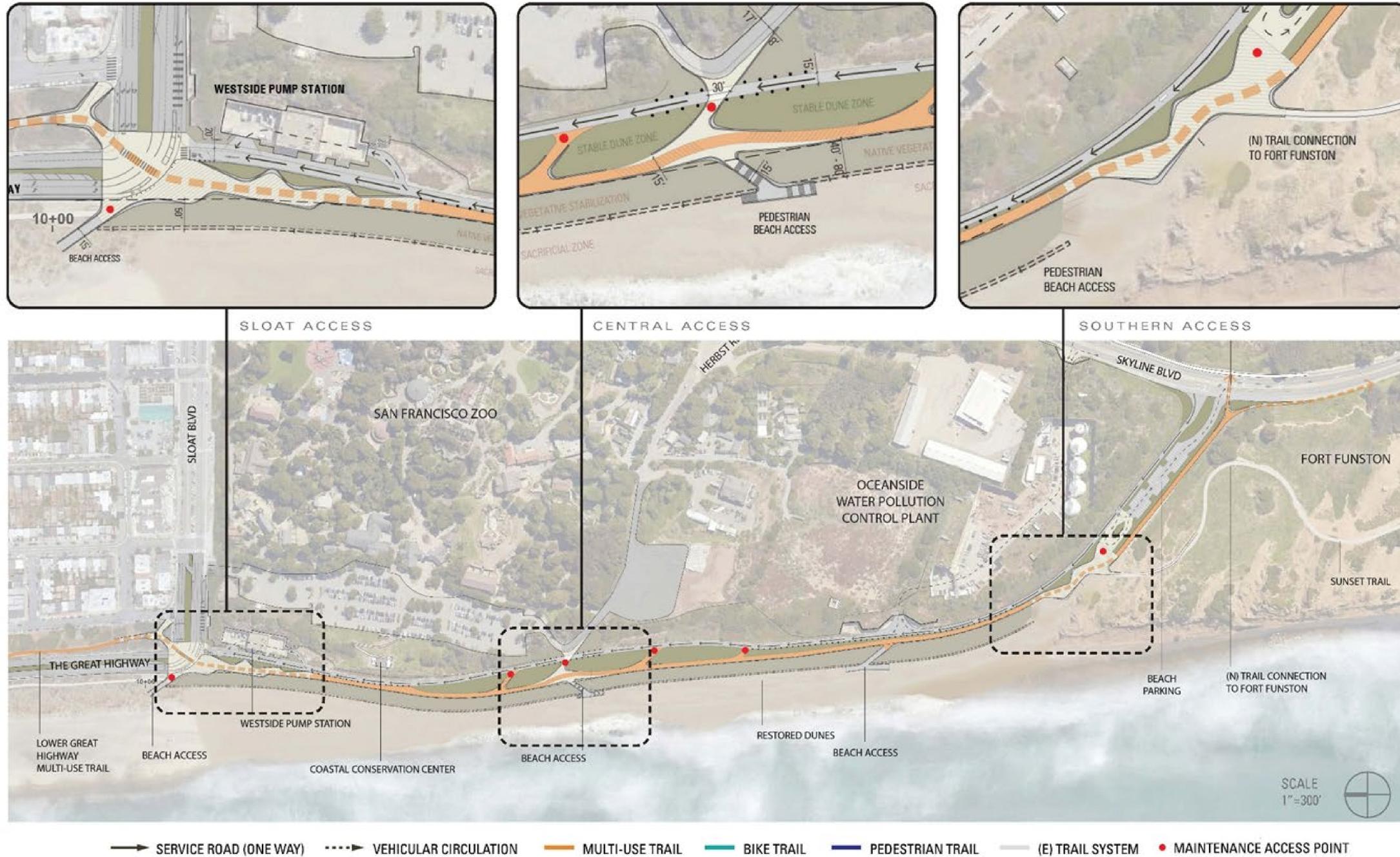
MUNDEN FRY LANDSCAPE ASSOCIATES  
**MFLA**

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# PROJECT OVERVIEW

## South Ocean Beach Multi-Use Trail Project



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# PROJECT OVERVIEW – NORTHERN END

## South Ocean Beach Multi-Use Trail Project



### KEY

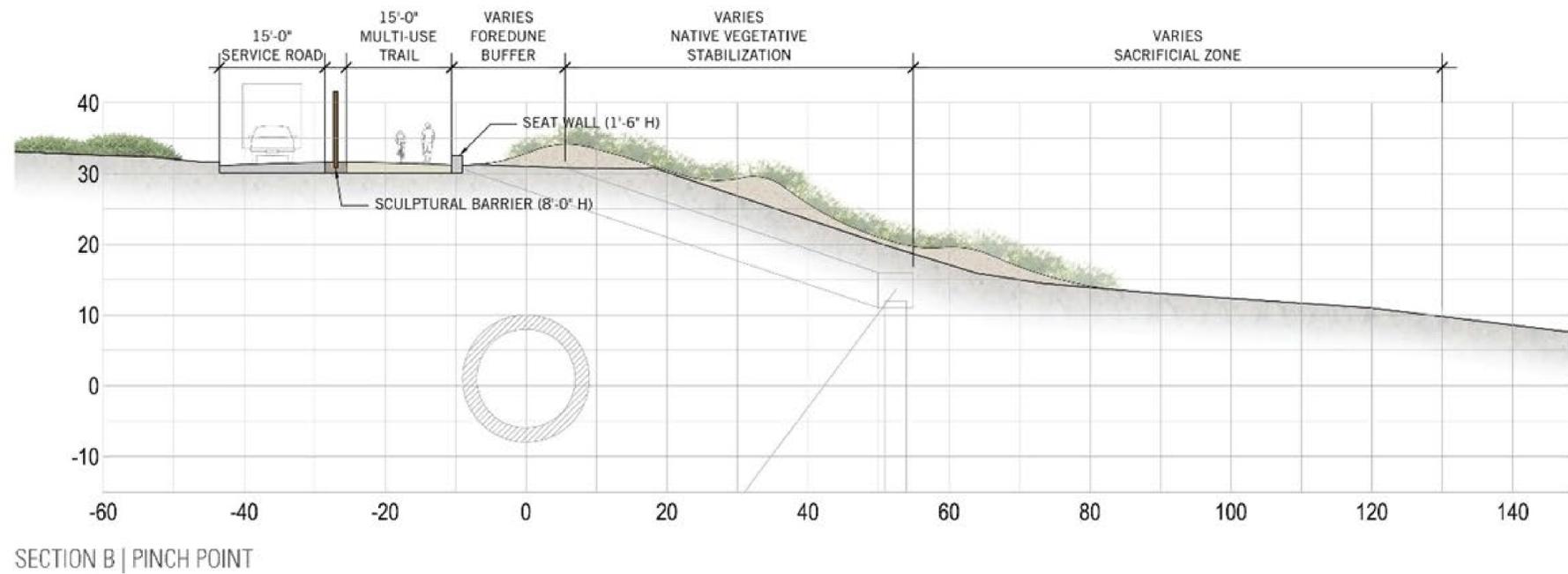
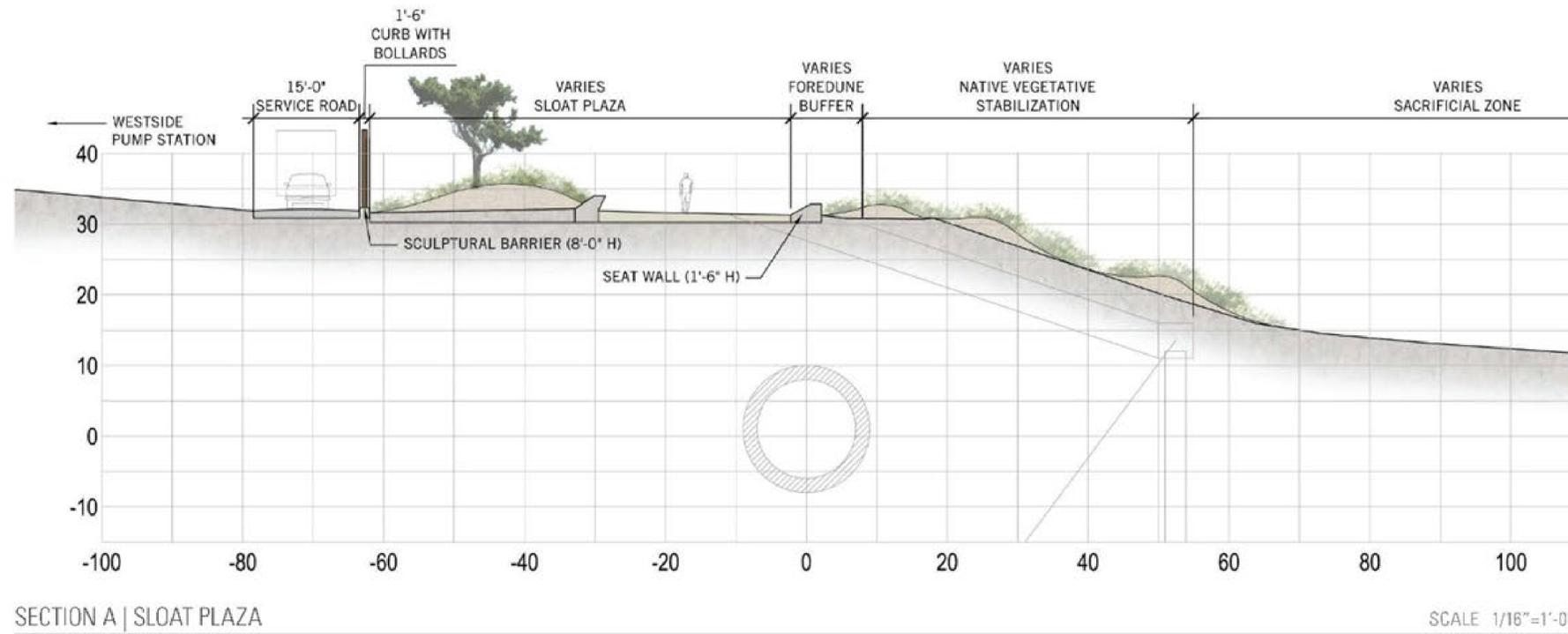
- 1** LOWER GREAT HIGHWAY MULTI-USE TRAIL
- 2** OCEAN BEACH DUNES TRAIL (DESIRE LINE)
- 3** BEACH ACCESS RAMP: PEDESTRIAN AND MAINTENANCE VEHICLES
- 4** SLOAT PLAZA | OPEN SPACE
- 5** PLANTING AND SEAT WALLS
- 6** STABILIZATION | REVEGETATION
- 7** SCULPTURAL BARRIER AT PINCH POINT
- 8** COASTAL CONSERVATION CENTER
- 9** (E) ZOO PARKING
- 10** SERVICE ROAD (ONE-WAY)
- 11** MULTI-USE TRAIL (15'-0" MIN)
- 12** MAINTENANCE ACCESS POINT
- 13** CENTRAL PLAZA | OPEN SPACE
- 14** NEW ZOO & BEACH PARKING
- 15** EDGE CONDITION AT TRAIL
- 16** LOW PROFILE WALL (BELOW GRADE)
- 17** BEACH ACCESS: PEDESTRIAN STAIRS

SCALE  
1" = 150'



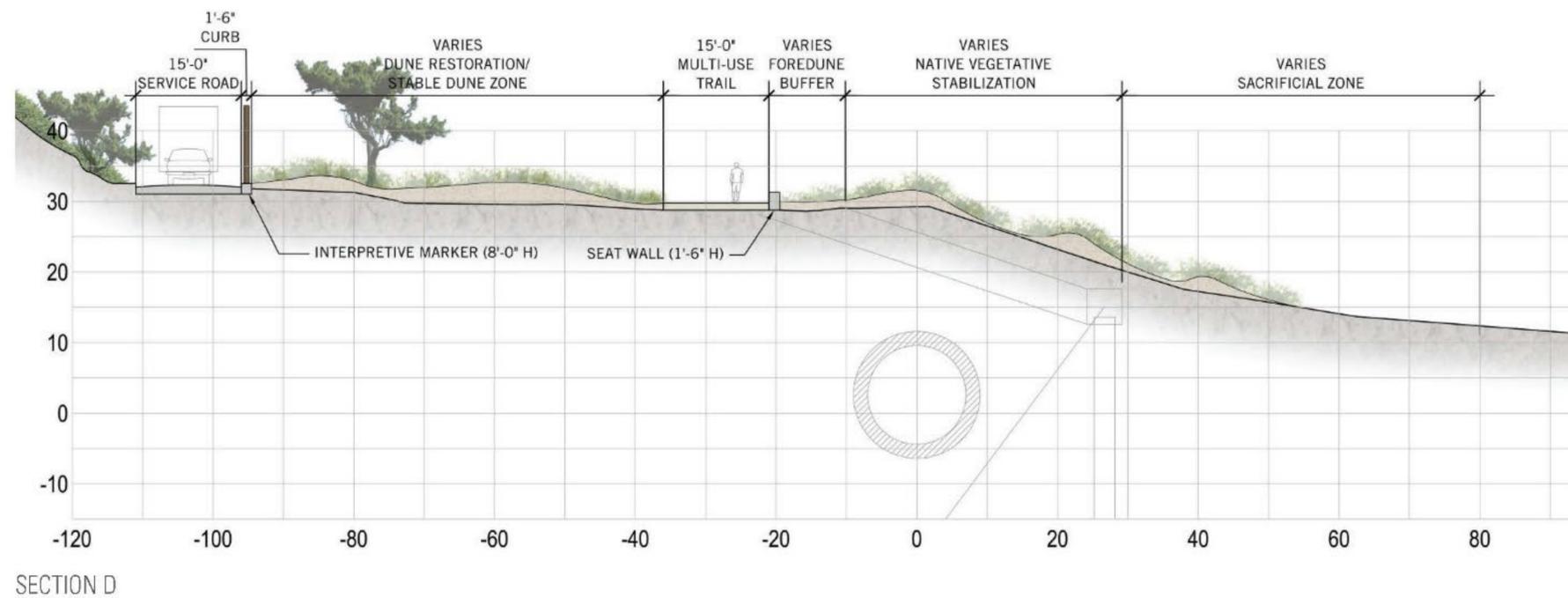
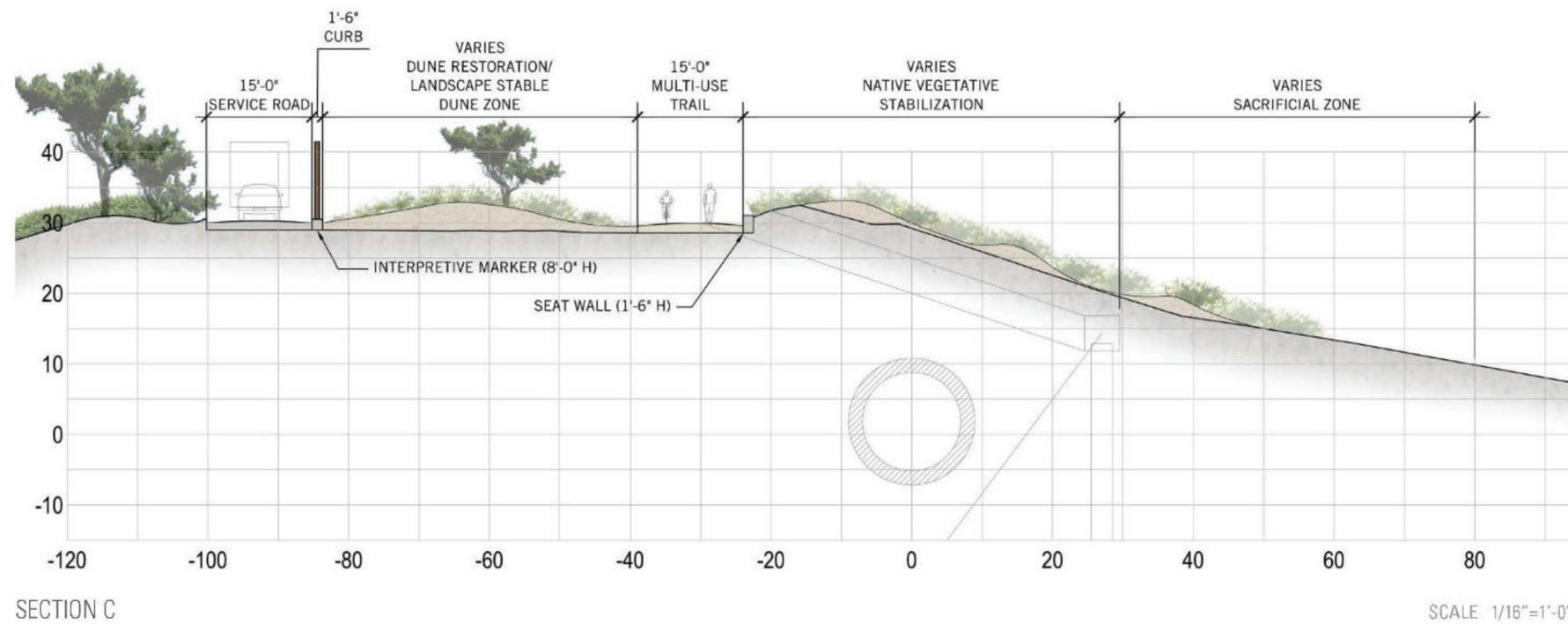

# TRAIL SECTIONS – NORTHERN END

## South Ocean Beach Multi-Use Trail Project



# TRAIL SECTIONS - CENTRAL

South Ocean Beach Multi-Use Trail Project

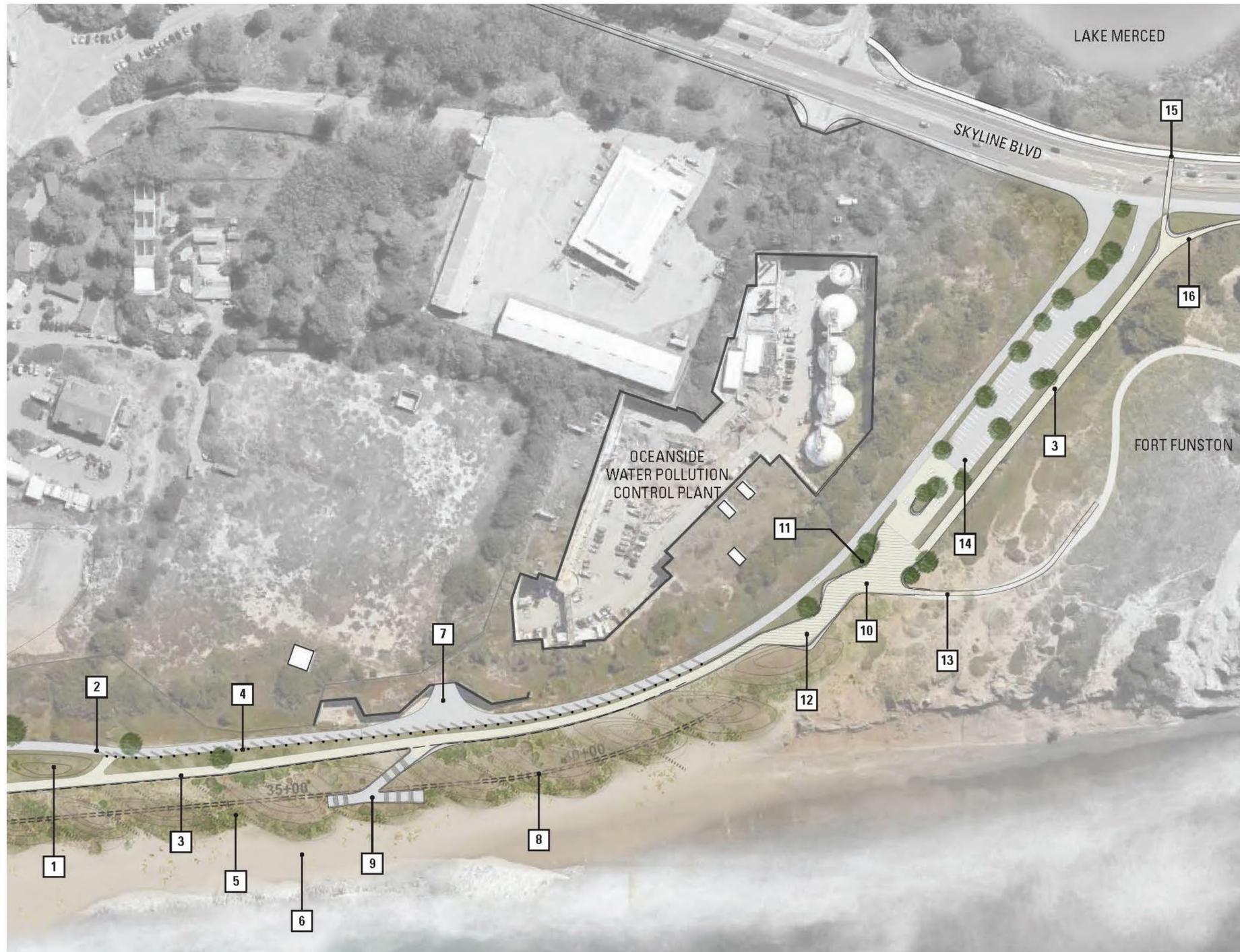


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# PROJECT OVERVIEW – SOUTHERN END

## South Ocean Beach Multi-Use Trail Project



### KEY

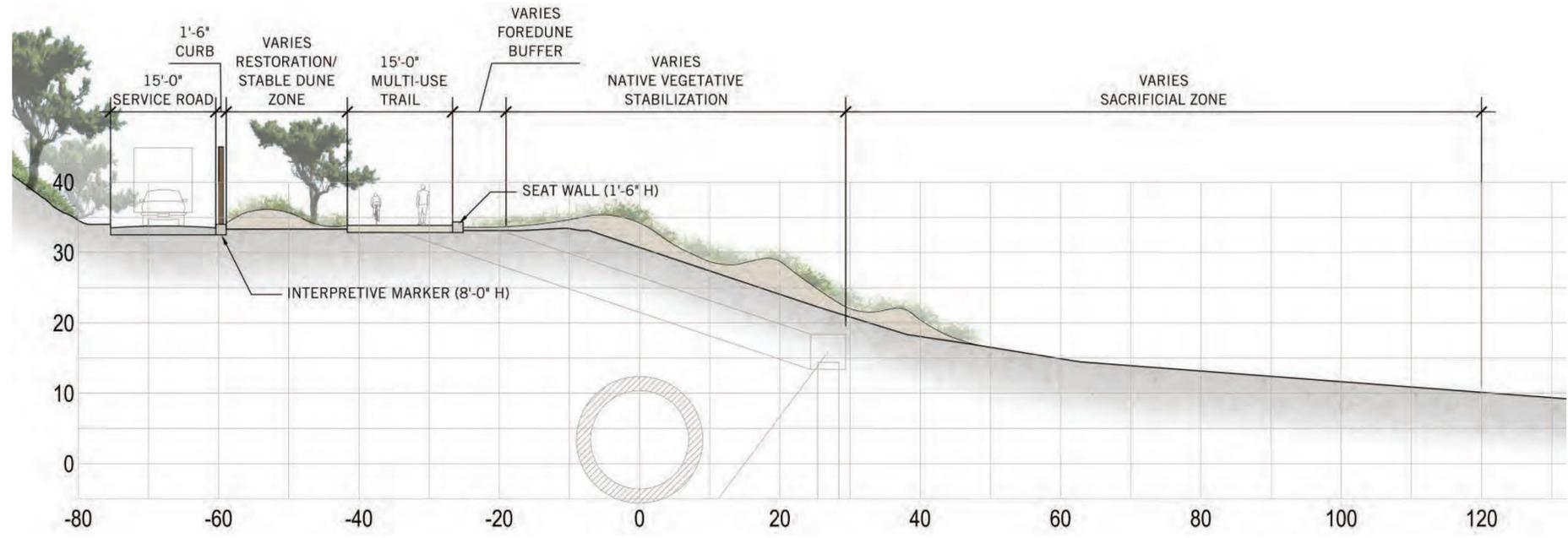
- 1** STABLE PLANTING ZONE
- 2** SERVICE ROAD (ONE-WAY)
- 3** MULTI-USE TRAIL (15'-0" MIN)
- 4** SCULPTURAL BARRIER
- 5** STABILIZATION | REVEGETATION
- 6** SACRIFICIAL ZONE (BEACH)
- 7** ACCESS TO OCEANSIDE WATER POLLUTION CONTROL PLANT
- 8** LOW PROFILE WALL (BELOW GRADE)
- 9** BEACH ACCESS: PEDESTRIAN STAIRS
- 10** SOUTHERN OPEN SPACE + SEATING
- 11** STABLE PLANTING MOUNDS
- 12** BEACH LOOKOUT
- 13** TRAIL CONNECTION TO FORT FUNSTON
- 14** BEACH PARKING
- 15** (N) CROSSWALK TO LAKE MERCED
- 16** BIKE TRAIL TO SKYLINE BLVD.
- 17** INTERPRETIVE TRAIL MARKERS. LOCATION TBD

SCALE  
1" = 150'



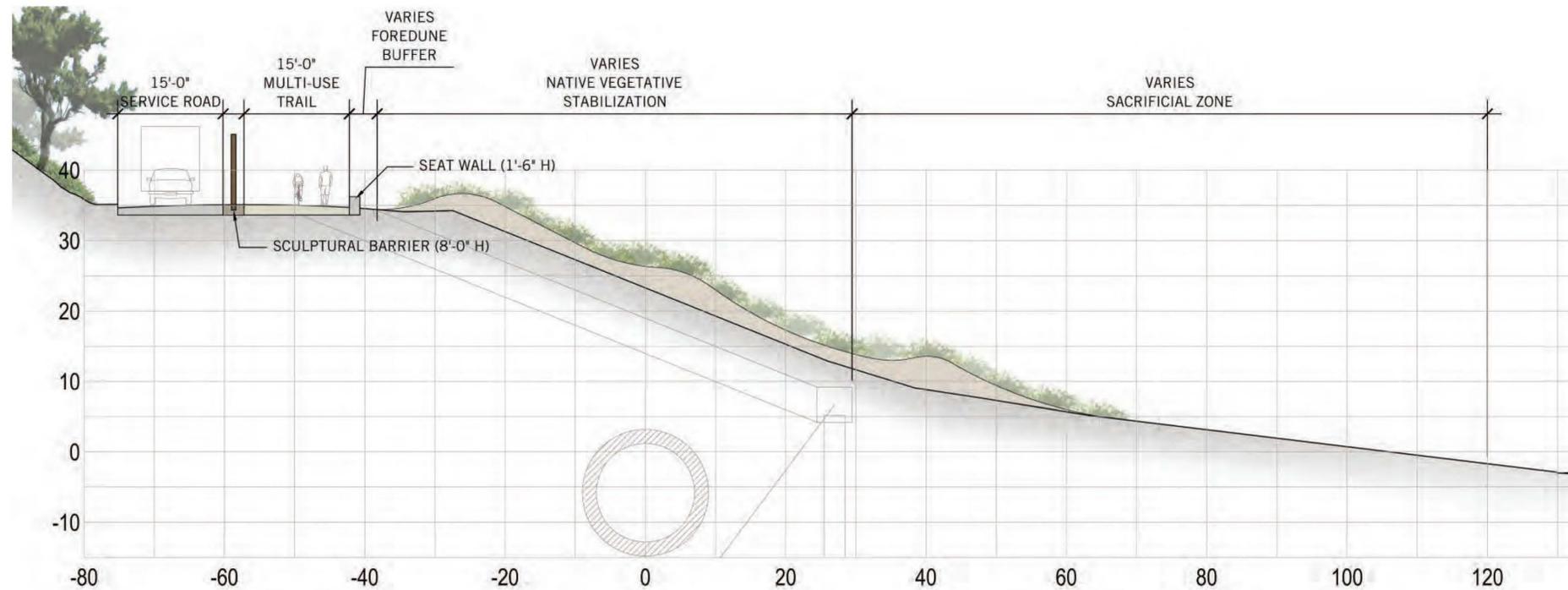
# TRAIL SECTIONS – SOUTHERN END

South Ocean Beach Multi-Use Trail Project

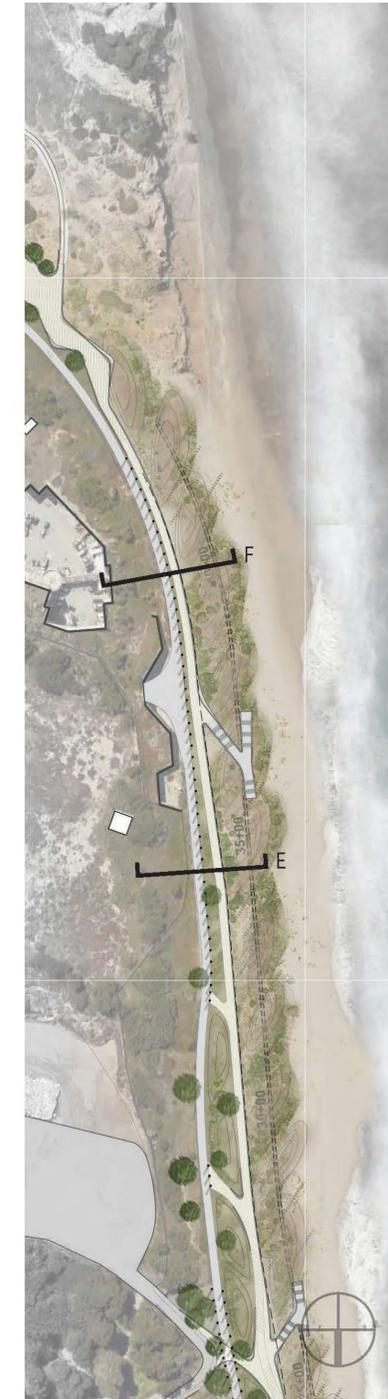


SECTION E

SCALE 1/16"=1'-0"



SECTION F | PINCH POINTS

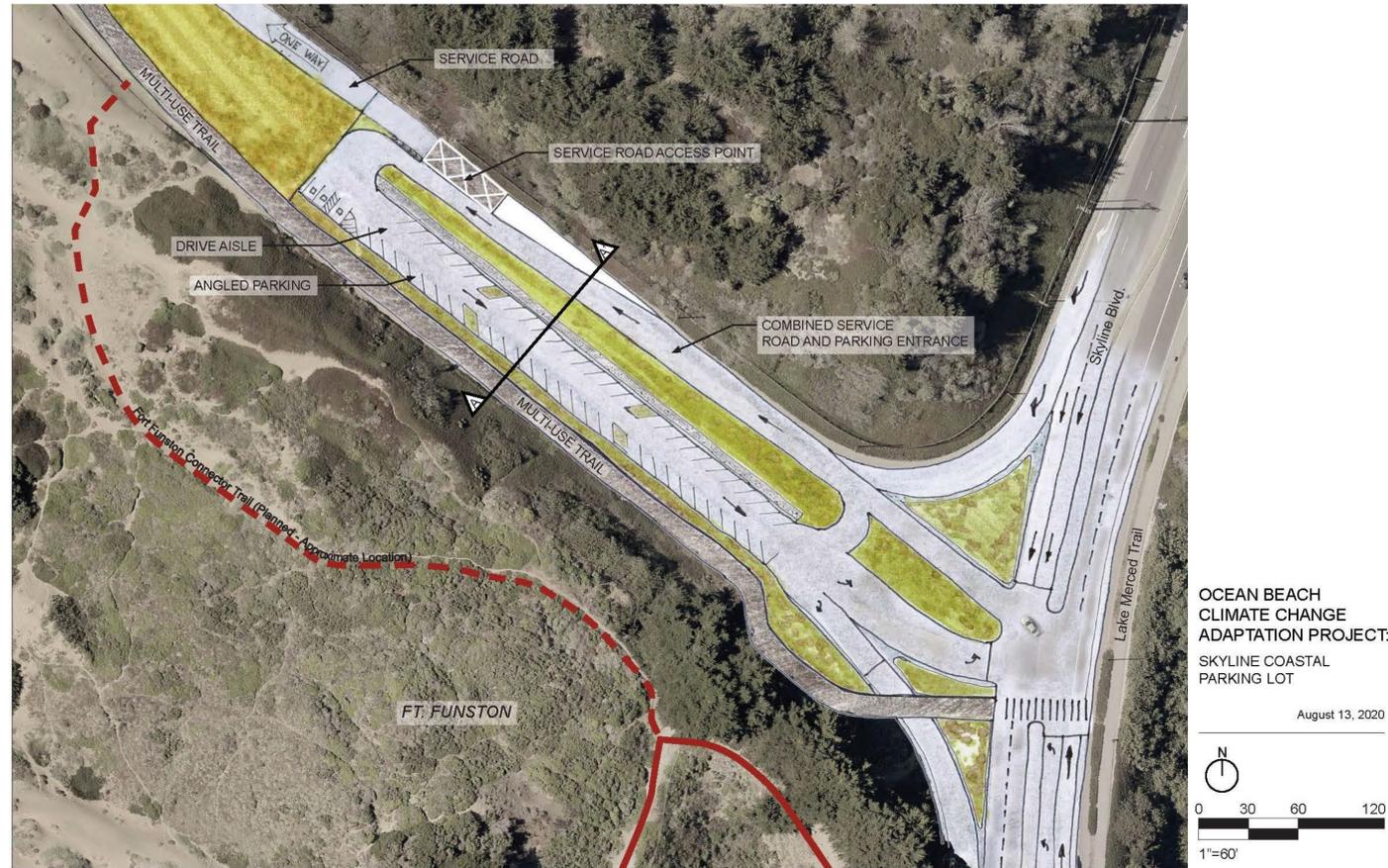


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# SKYLINE COASTAL PARKING LOT

South Ocean Beach Multi-Use Trail Project



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# AERIAL

## South Ocean Beach Multi-Use Trail Project



# RESTROOM RENDERING

South Ocean Beach Multi-Use Trail Project



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# TRAIL RENDERING

South Ocean Beach Multi-Use Trail Project



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# SCHEDULE & FUNDING

South Ocean Beach Multi-Use Trail Project

## Schedule

Design	2020-2021
Contract Advertisement and Award	2022
Construction	2023-2027 (Trail est. 2025/26)

## Funding Sources\*

Federal Highway Administration  
SFRPD  
2020 Health and Recovery Bond – Sustainability Program  
SFCTA - Prop K  
SPUR  
SFPUC

\*amounts to be determined based on final scope



# Q&A

South Ocean Beach Multi-Use Trail Project



Please enter all questions, comments or feedback into the Q&A - **Q&A is located at the bottom of your screen.**

## IF YOU ARE CALLING IN BY TELEPHONE:

- **Press \*9** to raise your hand if you have a question or comment. The moderator will call on you to unmute. You will be prompted to **Press \*6** to confirm unmute.

All other questions will be read and answered verbally by the panelists.

A summary of the Q&A, including questions that we are not able to answer this evening, will be posted to the project website following this meeting.

# ...NEXT STEPS



To receive **updates** from RPD about this project visit:

**[bit.ly/updatemeRPD](https://bit.ly/updatemeRPD)**

Please send comments to Monica Scott, SFRPD  
**[monica.scott@sfgov.org](mailto:monica.scott@sfgov.org)**  
**628-652-6632**

For more information about the South Ocean Beach Multi-Use Trail Project, please visit:  
**[bit.ly/soobproject](https://bit.ly/soobproject)**

More information about the coordinated City effort to address erosion and climate change at Ocean Beach can be found at:  
**[sfplanning.org/ocean-beach](https://sfplanning.org/ocean-beach)**

