OCEAN BEACH CLIMATE CHANGE ADAPTATION PROJECT

SAN FRANCISCO, CALIFORNIA

CIVIC DESIGN REVIEW PHASE 3 PRESENTATION

AUGUST 21, 2023

SAN FRANCISCO RECREATION & PARKS

San Francisco Water Power Sewer
Services of the San Francisco Public Utilities Commission

SAN FRANCISCO PUBLIC WORKS

moffatt & nichol

MUNDEN FRY LANDSCAPE ASSOCIATES
MFLA

PREVIOUS CIVIC DESIGN REVIEWS

- Informal Review August 3, 2022
- Phase 2 May 16, 2022
- Informal Review May 6, 2022
- Informal Review October 27, 2021
- Phase 1 October 15, 2021

DESIGN UPDATES SINCE PHASE 2

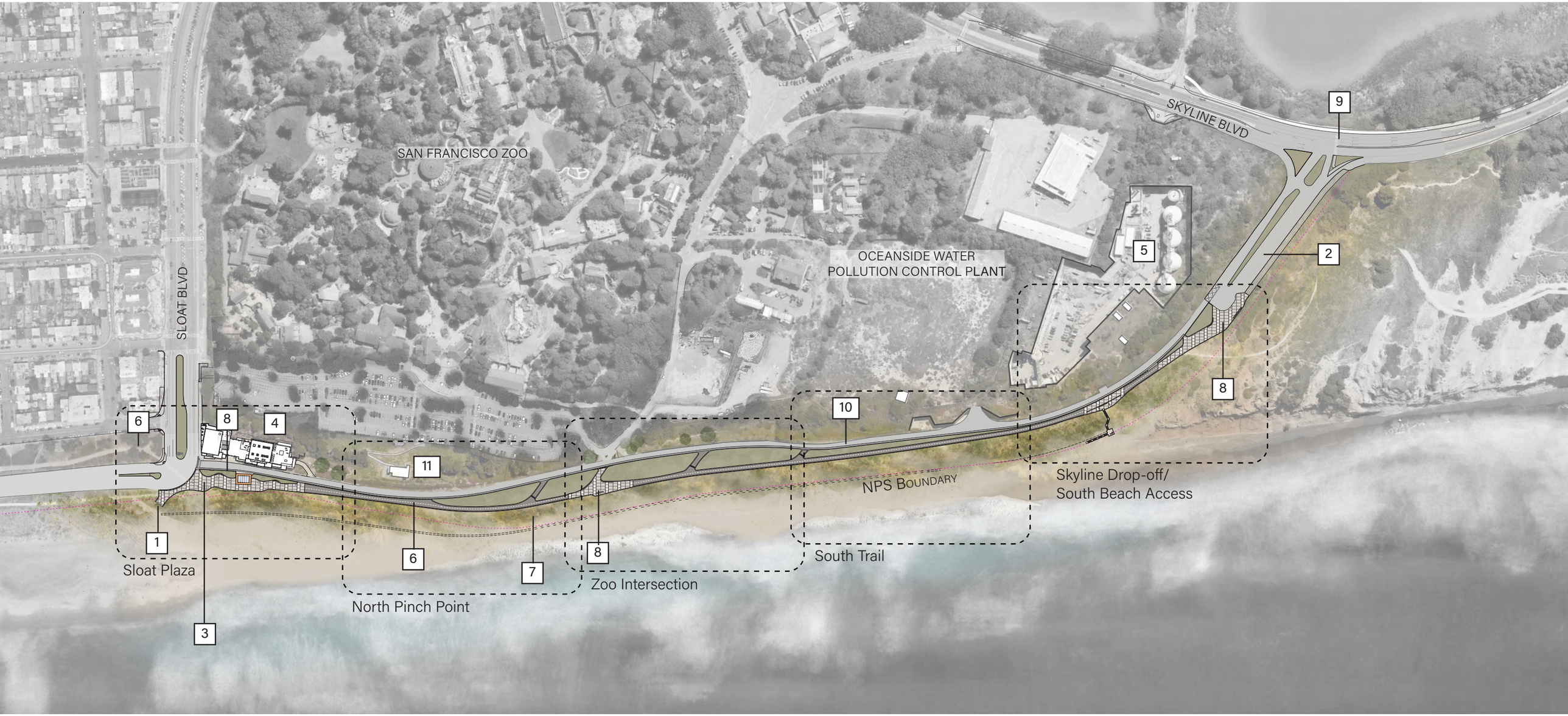
Architecture

- Deletion of tapered aluminum standing seam roof soffit.
- Deletion of All Gender Restroom entry vestibule interior screen wall.

Landscape Architecture

- Seat Wall profile and integral skate-deterrent refinement
- Beach Access Stair handrail and guardrail refinement
- Public Art
- Concrete Paving material and color refinement
- Bench Seating refinement
- Solar lighting selected and approved

OBCCAP FULL SITE PLAN



KEY

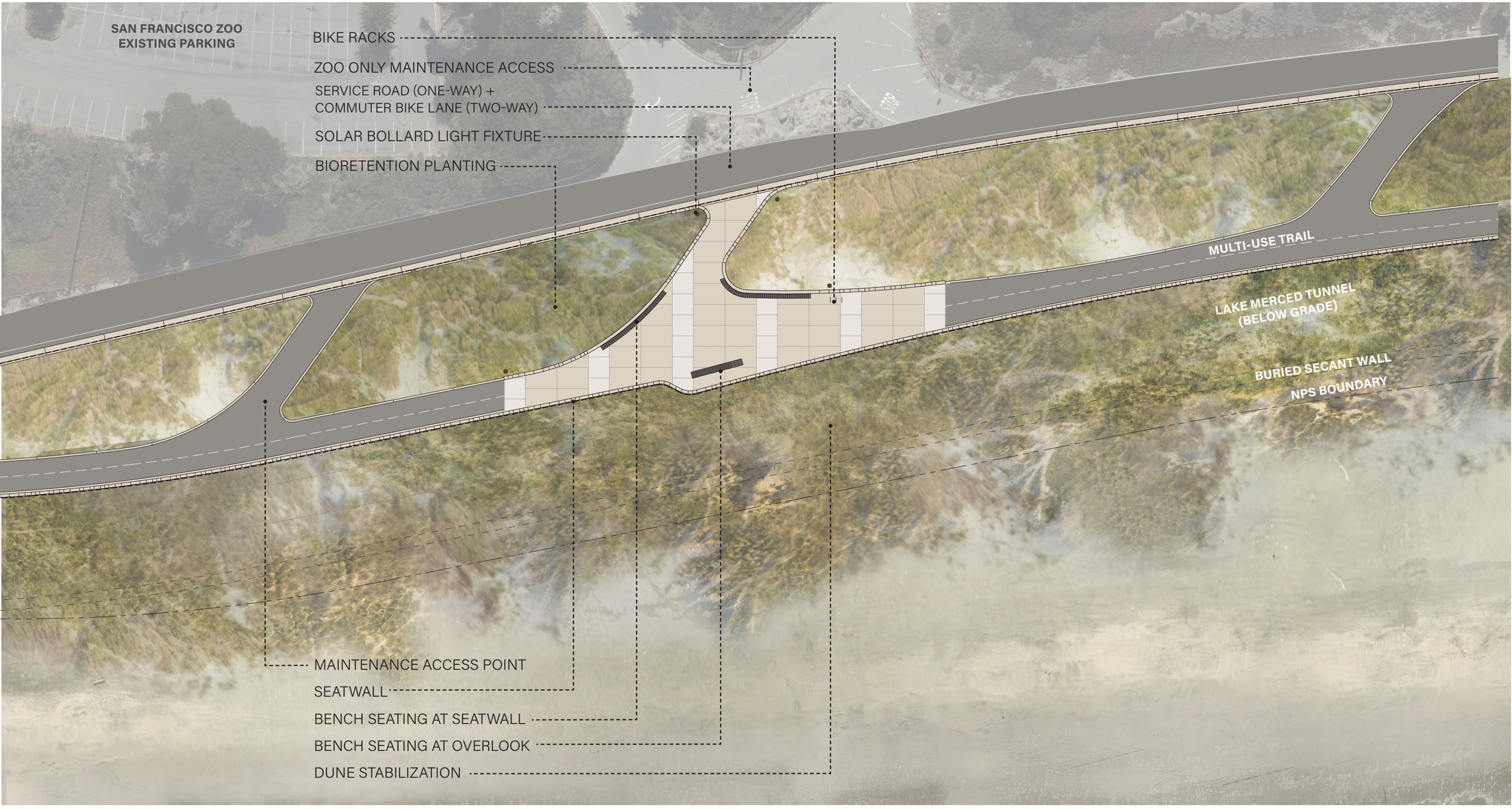
1 SAND RAMP MAINTENANCE VEHICLE ACCESS
2 SKYLINE PARKING LOT
3 SLOAT PLAZA
4 WESTSIDE PUMP STATION
5 OCEANSIDE WATER POLLUTION CONTROL PLANT
6 MULTI-USE TRAIL
7 STABILIZATION | NATIVE REVEGETATION
8 SKYLINE DROP OFF AREA
9 CROSSWALK TO LAKE MERCED
10 SERVICE ROAD (ONE-WAY)
11 COASTAL CONSERVATION CENTER

0 150’ 300’

SLOAT PLAZA PLAN

0 5′ 10′ 20′ 40′

ZOO INTERSECTION PLAN

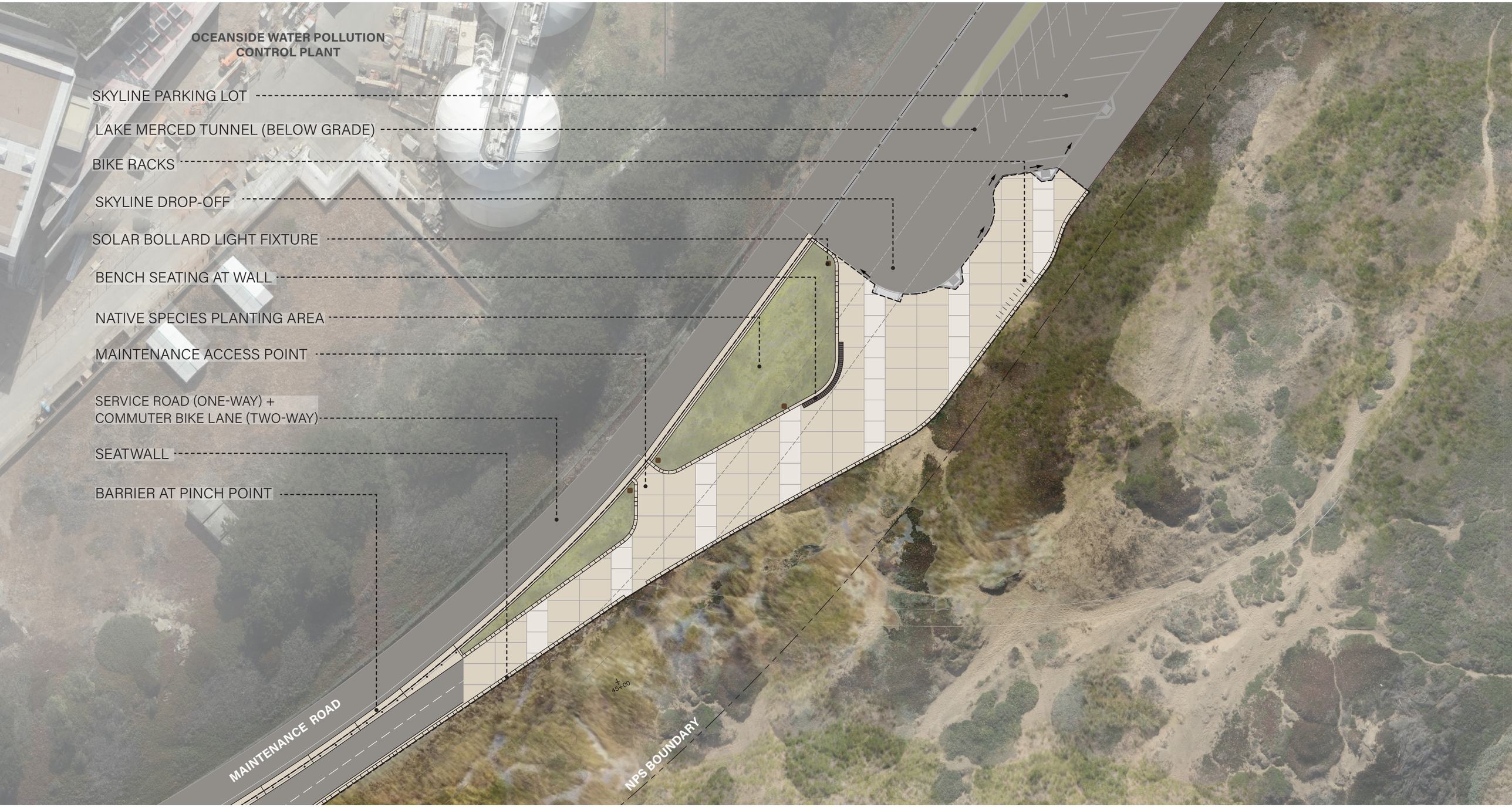


0 5′ 10′ 20′ 40′


OCEANSIDE WATER POLLUTION CONTROL PLANT
BEACH ACCESS STAIR
SERVICE ROAD (ONE-WAY) + COMMUTER BIKE LANE (TWO-WAY)
BEACH STAIR OVERLOOK WITH BENCH SEATING
BARRIER AT PINCH POINT
MAINTENANCE ROAD
LAKE MERCED TUNNEL (BELOW GRADE)
BURIED SECANT WALL
NPS BOUNDARY
SEATWALL
STAIR OVERLOOK WITH BENCH SEATING
DUNE STABILIZATION
45+00
44+00

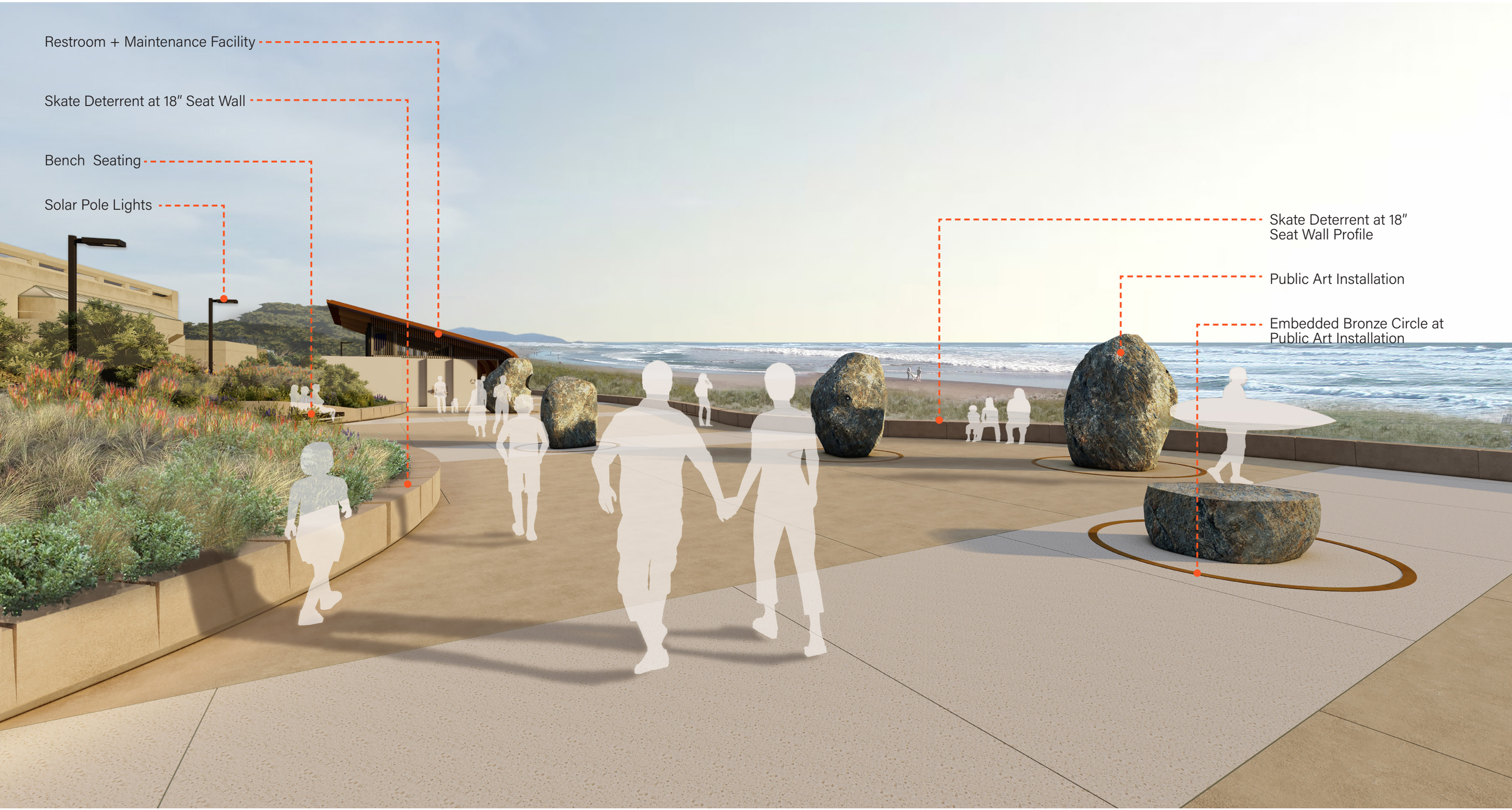
0 5′ 10′ 20′ 40′

SKYLINE DROP-OFF PLAN

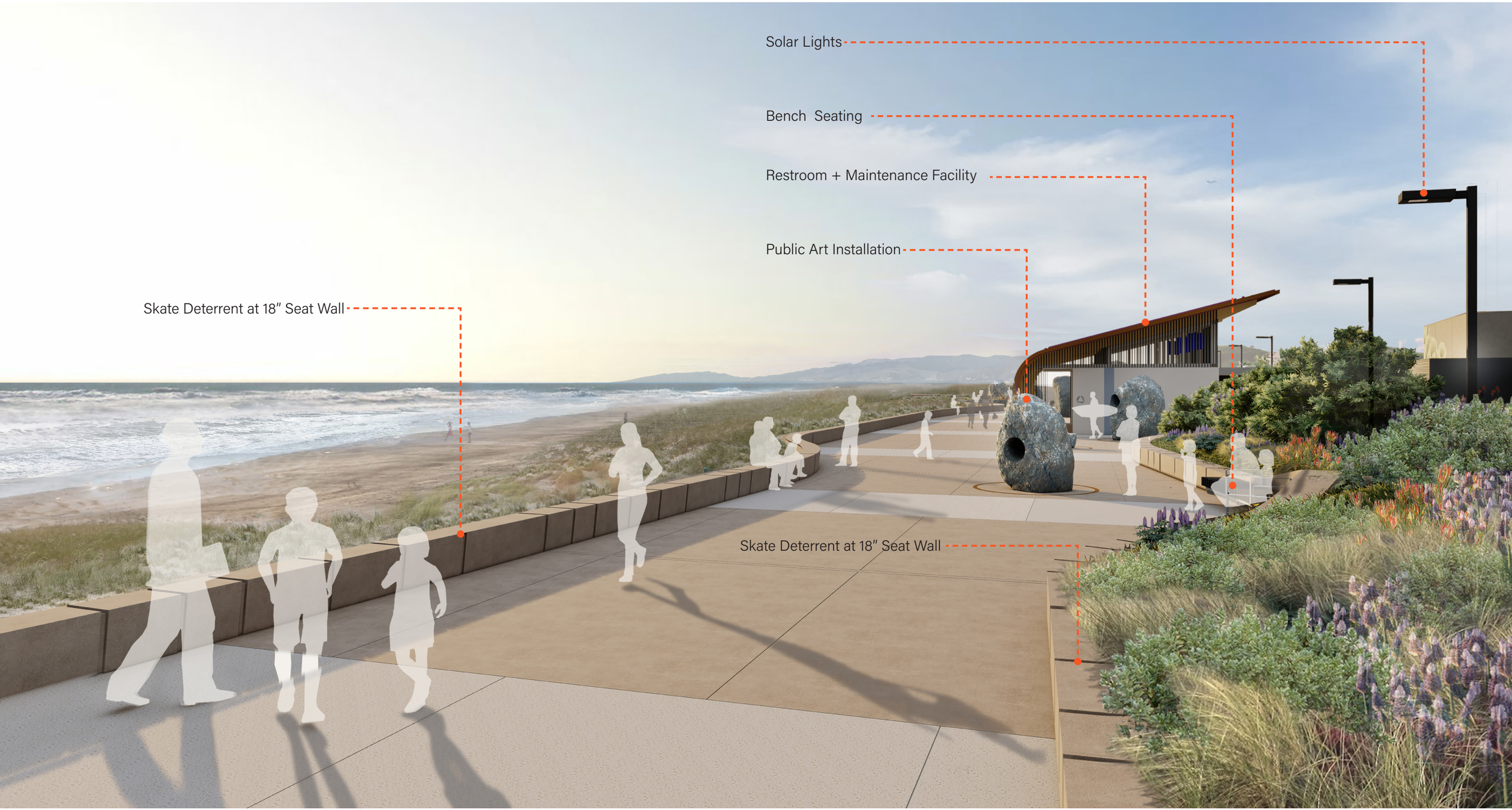


0 5′ 10′ 20′ 40′

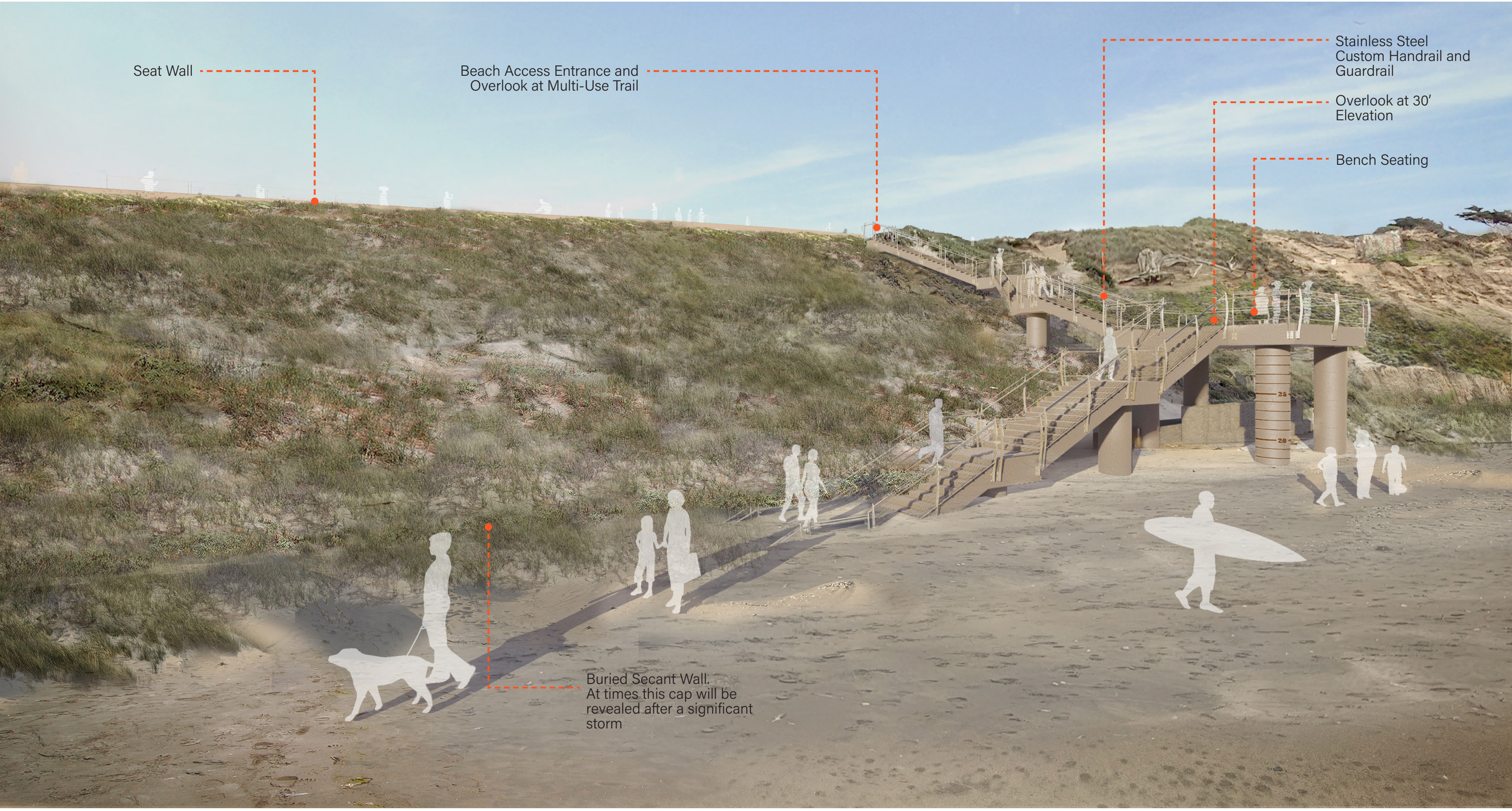
PROPOSED SLOAT PLAZA - SOUTH FACING



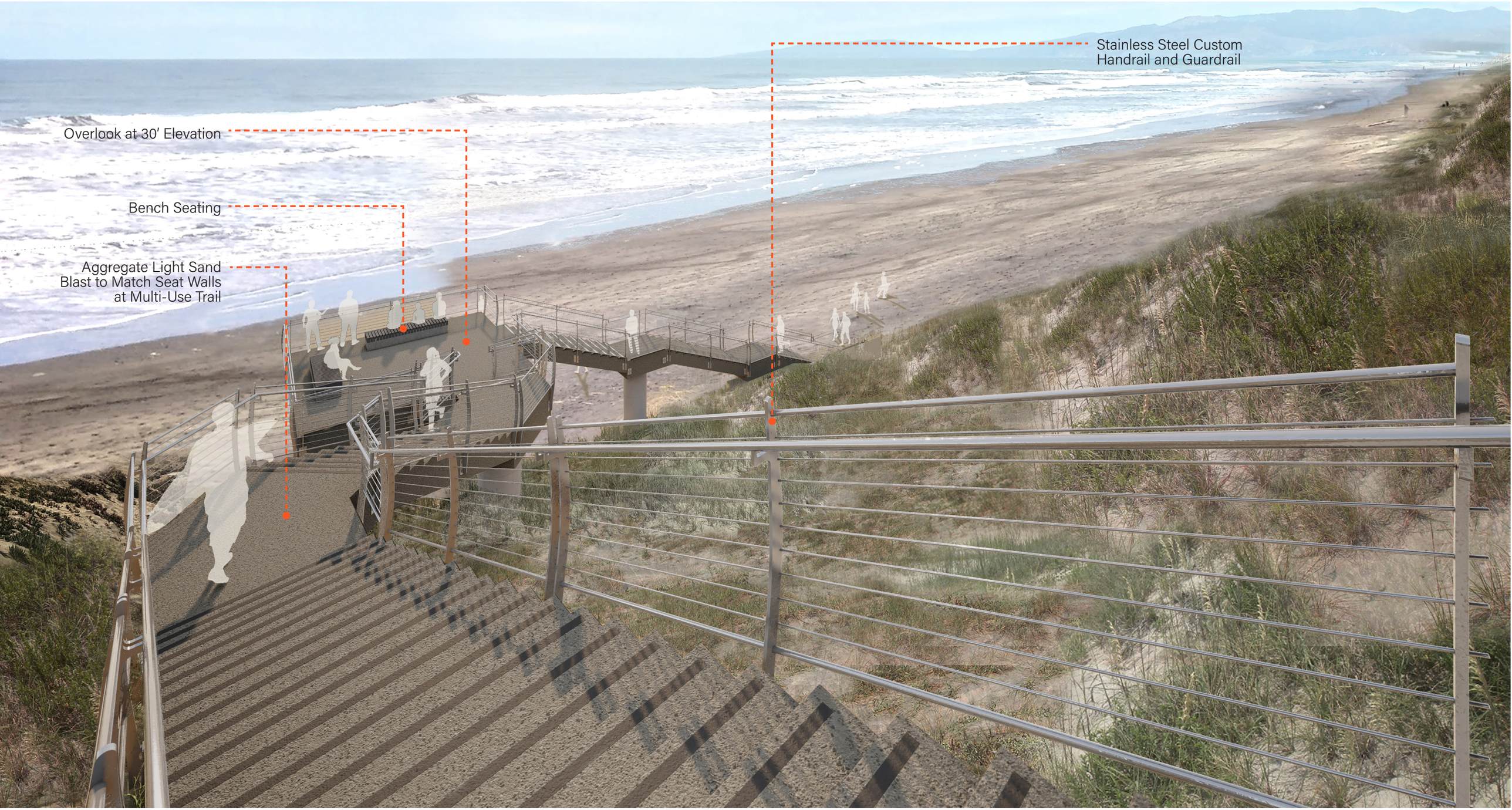
PROPOSED SLOAT PLAZA - NORTH FACING

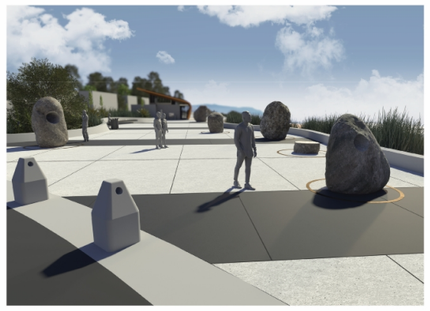


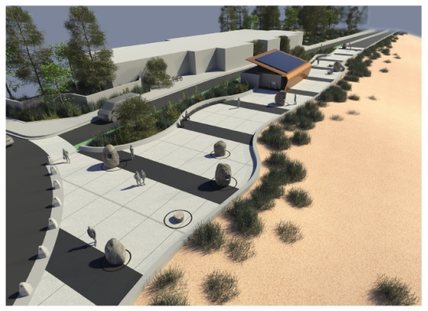
PROPOSED BEACH ACCESS - FACING SOUTHEAST



PROPOSED BEACH ACCESS - FACING SOUTHEAST







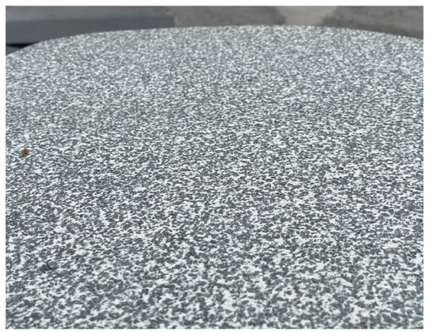
Climate Change is shifting our environment on a global scale, as well as on a local level. Having grown up in and around the Sunset Neighborhood of San Francisco, I have witnessed this change, particularly along Ocean Beach. I've watched the beach shift and erode away, closing roads and endangering infrastructure during stronger storms and higher tides. The ritual and choreographed movements of heavy machinery and trucks try to resist the reshaping of the coastline. I have found that being present in the space, not dwelling on what has come to pass, and to focus on solutions that will make our future environment more livable, has helped me find ways to shoulder our new reality. The sculpture Listening Stones will draw on the relationship between San Francisco, its water source in the Sierra Nevada Mountains, and relating the fragility of that system to that of sea level rise and the site. The artwork will create a contemplative space where participants can slow down, be present in, listen to, and explore their relationship to the landscape. One where the community actively listens to their surroundings both figuratively and literally, drawing connections between their actions and the larger environment.

The artwork will consist of eleven carved granite boulders representing the reservoirs that are a part of the Hetch Hetchy Aqueduct and will be distributed throughout the main plaza area. They will be installed to appear as if they are part of the site. Seven of the boulders will have a cone cut through the rock pointing in different directions: south, down the coast to north, down the Great Highway, and at various angles to the west to capture both the built and natural environments. The cones will collect and amplify the ambient sounds of the space and enable participants to use the boulders as listening devices to hear what the landscape is saying. After prototyping in the space with several different cone angles, I settled on a 20-degree opening to best gather and direct sound to the listener. The openings will be set at varying heights to accommodate participants of different heights and capabilities. The other four boulders will be cut with a flat surface. These elements of the artwork provide a contrast to the more natural forms of the seven boulders and serve as a reminder of the human hand within the landscape. Each stone element will be surrounded by a bronze ring inset into the walking surface. These circles draw attention to each element and signify to the visitor that these were transported from another place. The ring design references bronze survey markers found throughout the Sierras designating sites of importance.

I am drawn to granite as my primary material because of its wide array of connections to San Francisco and the site. I am particularly interested in the link between the Sierra Nevada Mountains and the location of the proposed artwork. Our water begins in the Tuolumne River Watershed in Yosemite National Park, is collected and stored in 11 reservoirs, and passes through a gravity fed system that brings the water to the city. Here, it inevitably passes through our bodies and eventually ends up being treated at the water treatment plant next to the site, then is released back into the water cycle. Granite also draws connections to the iron deposits that often give Ocean Beach a black color after a big storm. The iron ore arrives on the beach from the erosion of granite in the mountains, washing down the rivers, into the bay, and eventually deposited at our feet. There is something poetic about how both water and stone undergo a transformation and journey to ultimately end up in the same place. I feel it's important to bring attention to our relationship between water, place, and purpose as our climate changes and water becomes an ever more scarce and unpredictable resource.

My goal with this artwork is to create a space where viewers engage with the work and by doing so engage with their surroundings. Listening Stones asks visitors to contemplate their own experience, effect, and relationship to the world around us.

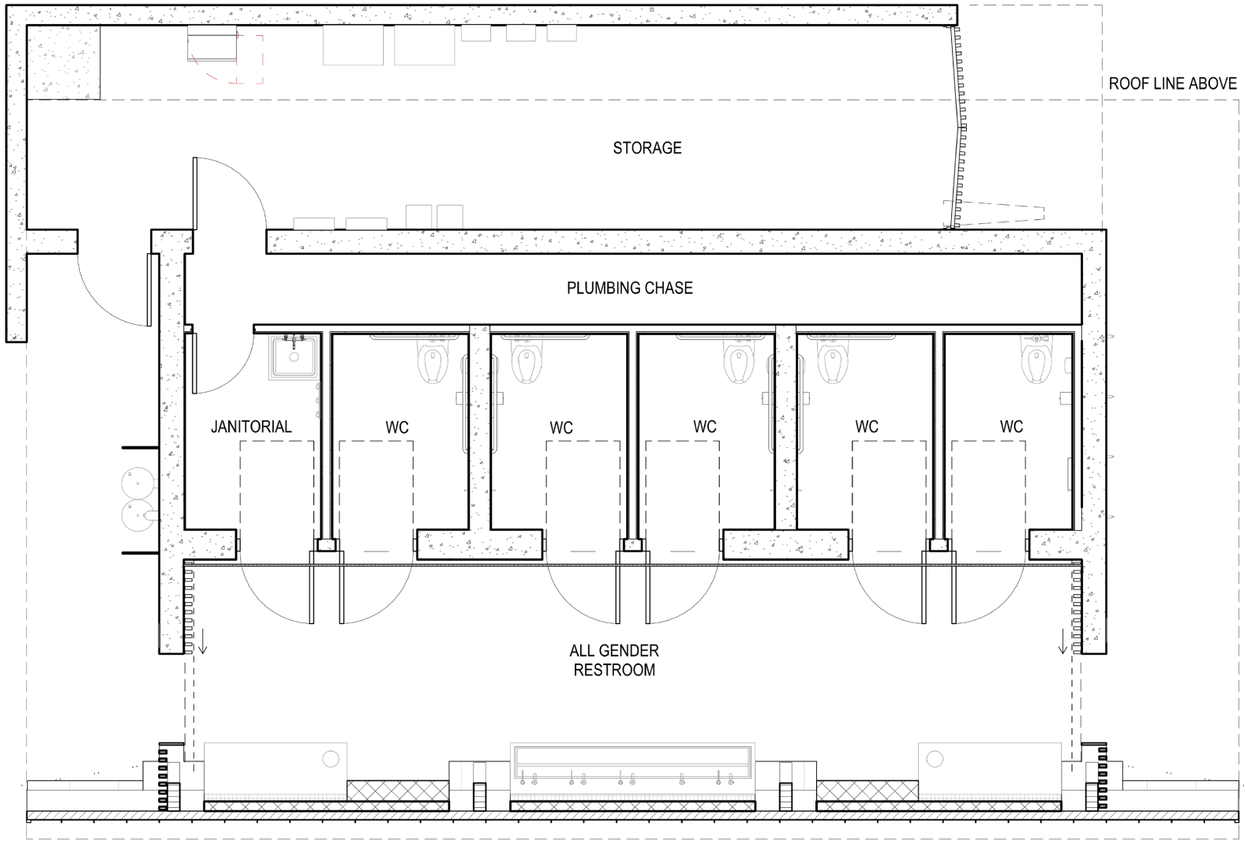
Cutaway view of artwork to show conical listening cone cut through granite boulder



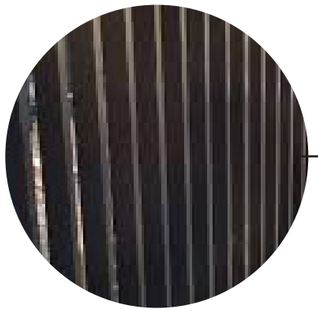
Example of material: Cut granite with flame finish (matte)

Example of material: Bronze (natural patina)

SLOAT PLAZA RESTROOM FLOOR PLAN - SFDPW

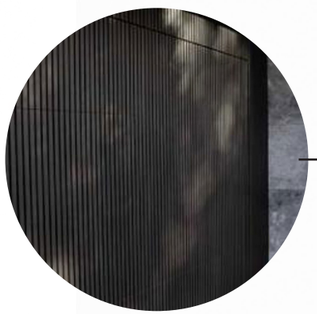


SLOAT PLAZA RESTROOM SECTION - SFDPW



BLACK STAINED ACCOYA WOOD SLATTING

MEDIUM SANDBLASTED CONCRETE



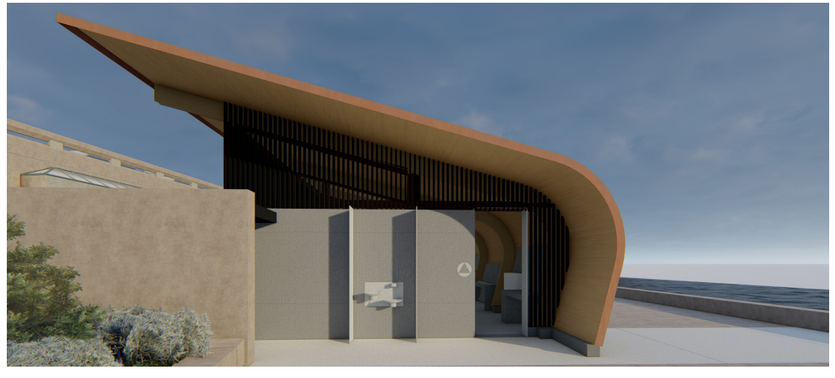
BLACK STAINED ACCOYA WOOD SLAT CLAD B-FOLD DOOR

SOLAR PANELS

CLT & GLULAM STRUCTURE (DOUGLAS FIR)

KYNAR FINISHED ALUM. STANDING SEAM ROOFING

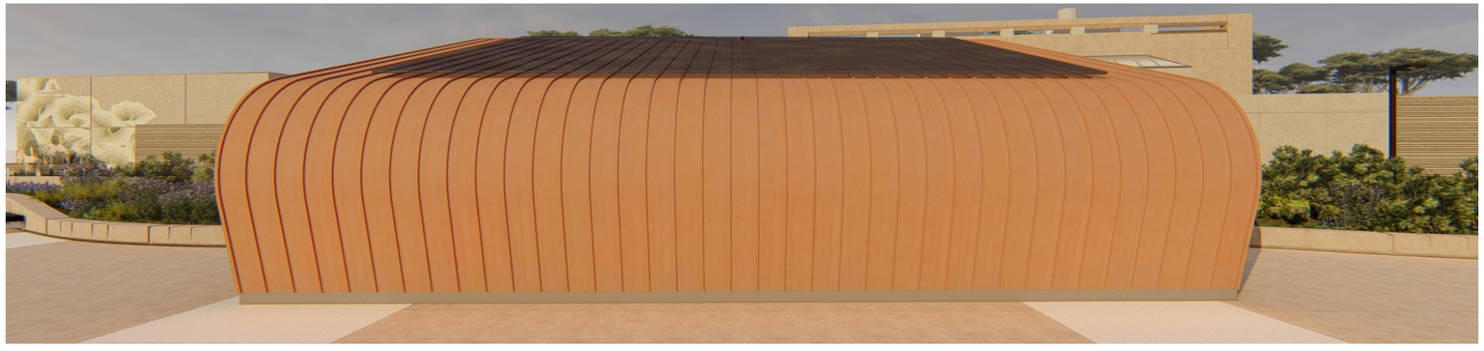
SLOAT PLAZA RESTROOM ELEVATION - SFDPW



NORTH ELEVATION

EAST ELEVATION

SOUTH ELEVATION



WEST ELEVATION

SLOAT PLAZA PLANTERS SCHEDULE - SFDPW

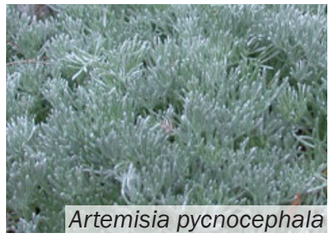
GRASSES


Elymus mollis

TALL SHRUBS


Myrica californica

FORBS/SHRUBS


Artemisia pycnocephala


Atriplex Californica


Astragalus nutalii


Baccharis pilularis


Camissoniopsis cheiranthifolia


Castilleja affinis


Castilleja exserta


Corethrogyne filaginifolia


Diplacus aurantiacus


Dudleya farinose


Ericameria ericoides


Erigeron glaucus


Eriophyllum staechadifolium


Lupinus chamissonis


Lupinus variicolor


Pteridium aquilinum


Pterostegia drymariodes

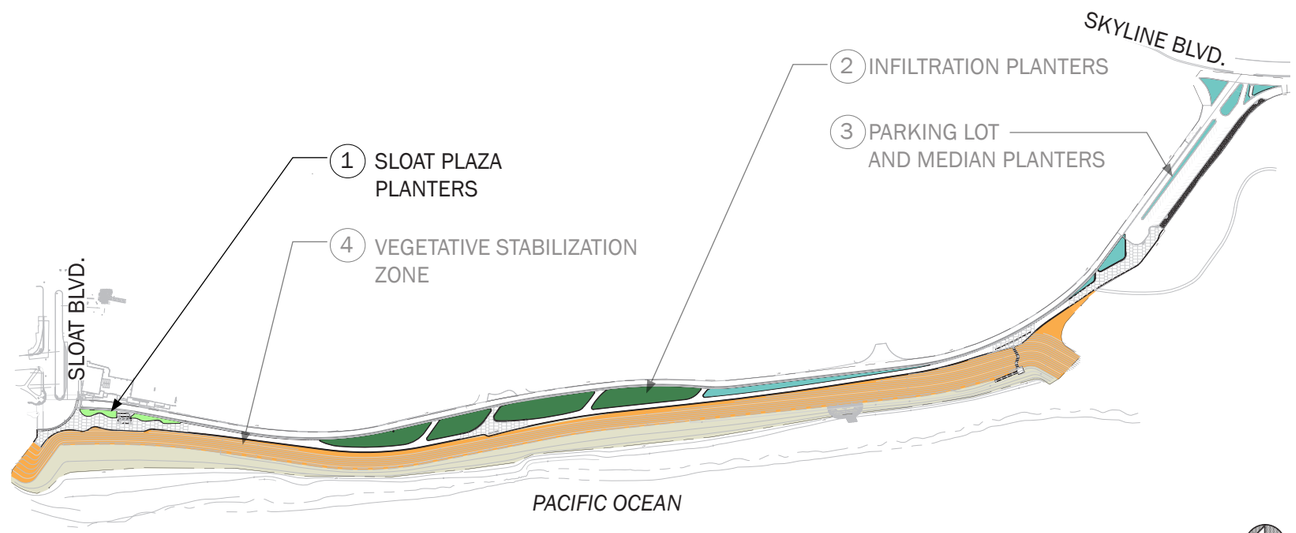

Phacelia californica


Ribes sanguineum


Tannecetum bipinnatum

PLANTING AREA 1: SLOAT PLAZA PLANTERS

KEY PLAN



N.T.S.

INFILTRATION PLANTERS AND MEDIANS SCHEDULE - SFDPW

GRASSES


Leymus pacificus x triticoides


Leymus x vancouverensis


Juncus lescurii

FORBS/SHRUBS


Achillea millefolium


Amsinckia spectabilis


Astragalus nutalii


Atriplex californica


Baccharis pilularis


Castilleja affinis


Cryptantha leiocarpa


Diplacus aurantiacus


Ericameria ericoides


Eriogonum latifolium


Fragaria chiloensis


Grindelia stricta


Lupinus arboreus


Lupinus chamissonis


Lupinus variicolor


Monardella undulata

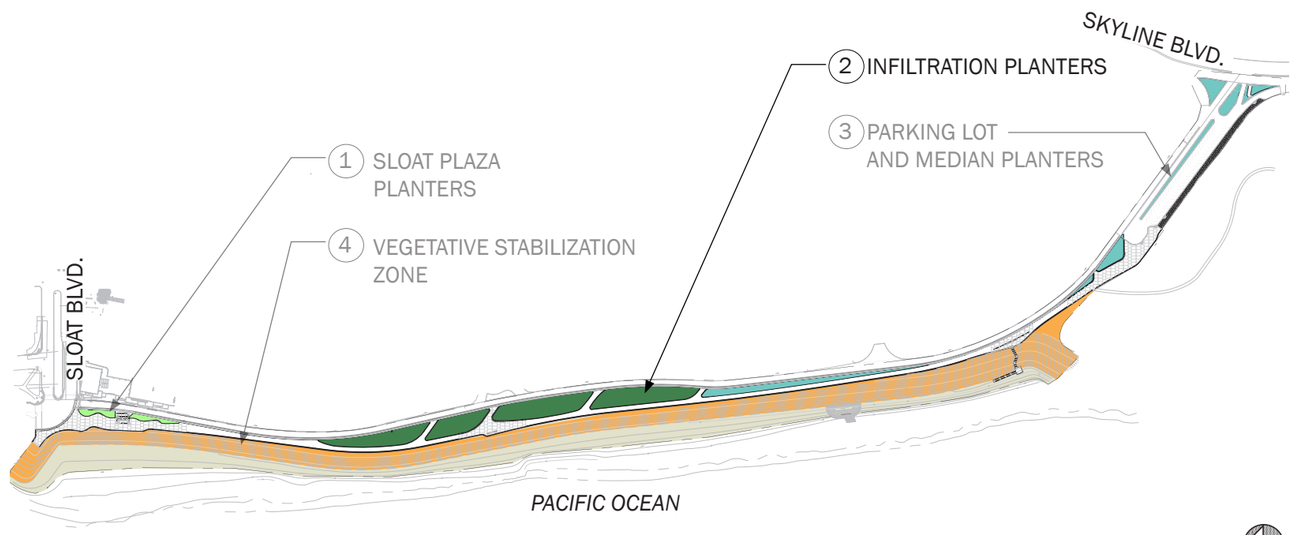

Oenethera elat var. hookeri


Phacelia distans


Tannecetum bipinnatum

PLANTING AREA 2: INFILTRATION PLANTERS AND MEDIANS

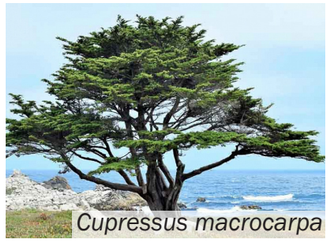
KEY PLAN



N.T.S.

SKYLINE PARKING LOT AND MEDIAN PLANTERS SCHEDULE - SFDPW

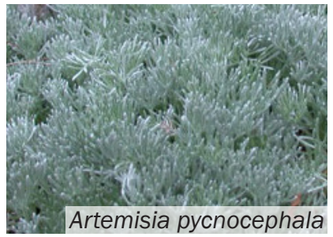
TREES / TALL SHRUBS


Cupressus macrocarpa


Myrica californica

FORBS/SHRUBS


Achillea millefolium


Artemisia pycnocephala


Baccharis pilularis


Baccharis pilularis


Camissoniopsis cheiranthifolia


Corethrogyne filaginifolia


Diplacus aurantiacus


Ericameria ericoides


Erigeron glaucus


Eriophyllum staechadifolium


Grindelia stricta


Lupinus chamissonis

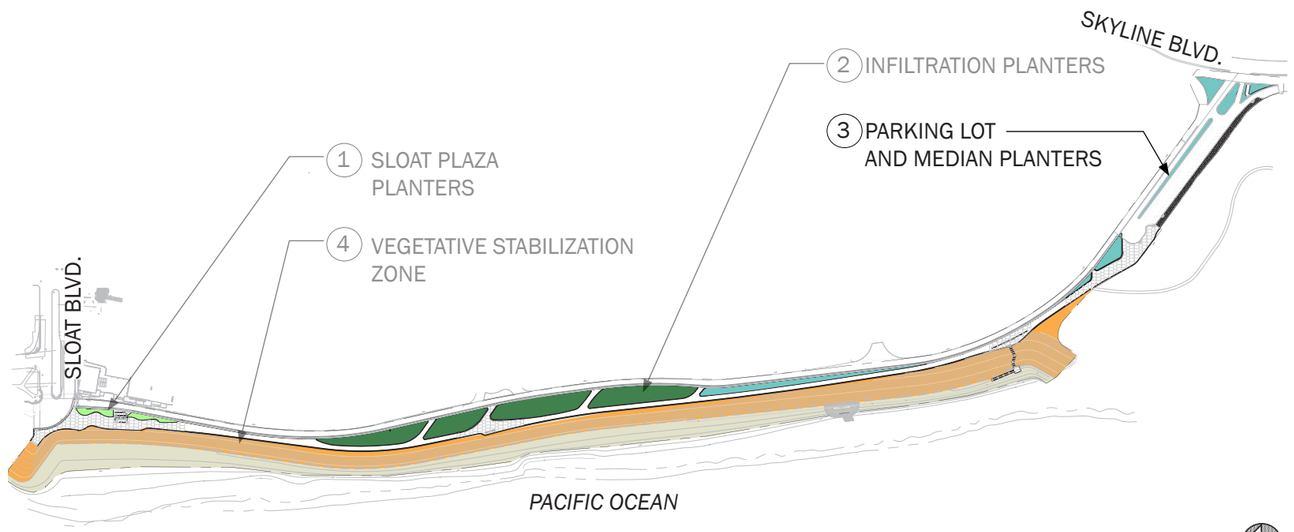

Lupinus variicolor


Phacelia californica


Phacelia distans

PLANTING AREA 3: PARKING LOT AND MEDIAN PLANTERS

KEY PLAN



N.T.S.

VEGETATIVE STABILIZATION ZONE SCHEDULE - SFDPW

GRASSES

Elymus mollis

FORBS/SHRUBS

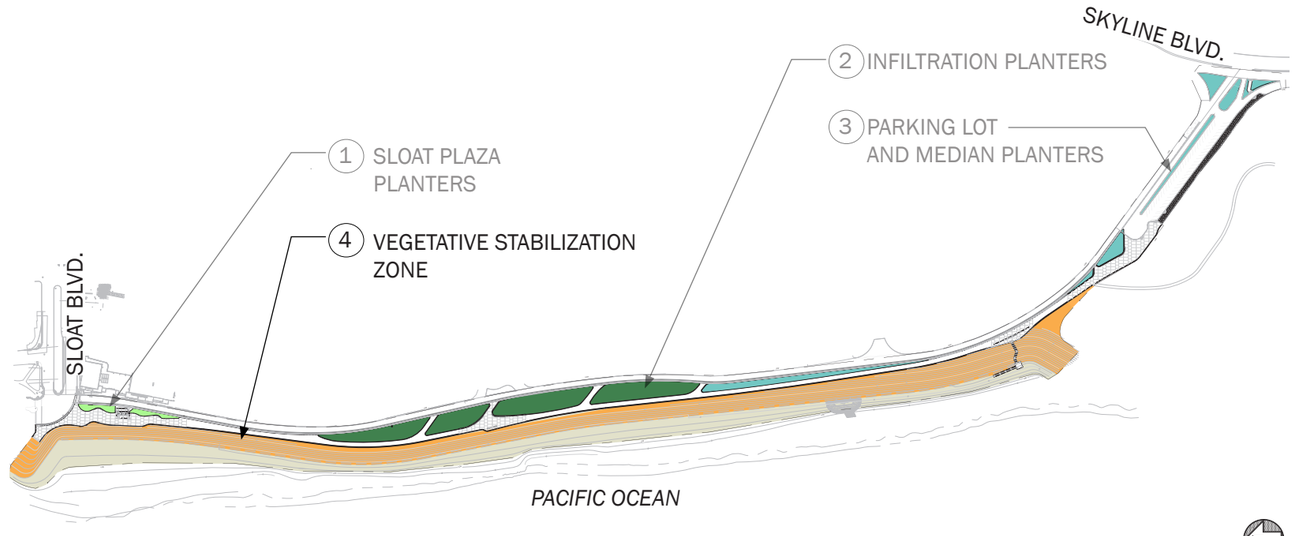
Atriplex leucophylla

Abronia latifolia

Ambrosia chamissonis

PLANTING AREA 4: VEGETATIVE STABILIZATION ZONE

KEY PLAN



N.T.S.

GRASSES

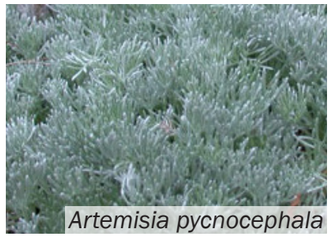

Elymus mollis


Poa douglasii

TALL SHRUBS


Myrica californica

FORBS/SHRUBS


Artemisia pycnocephala


Atriplex Californica

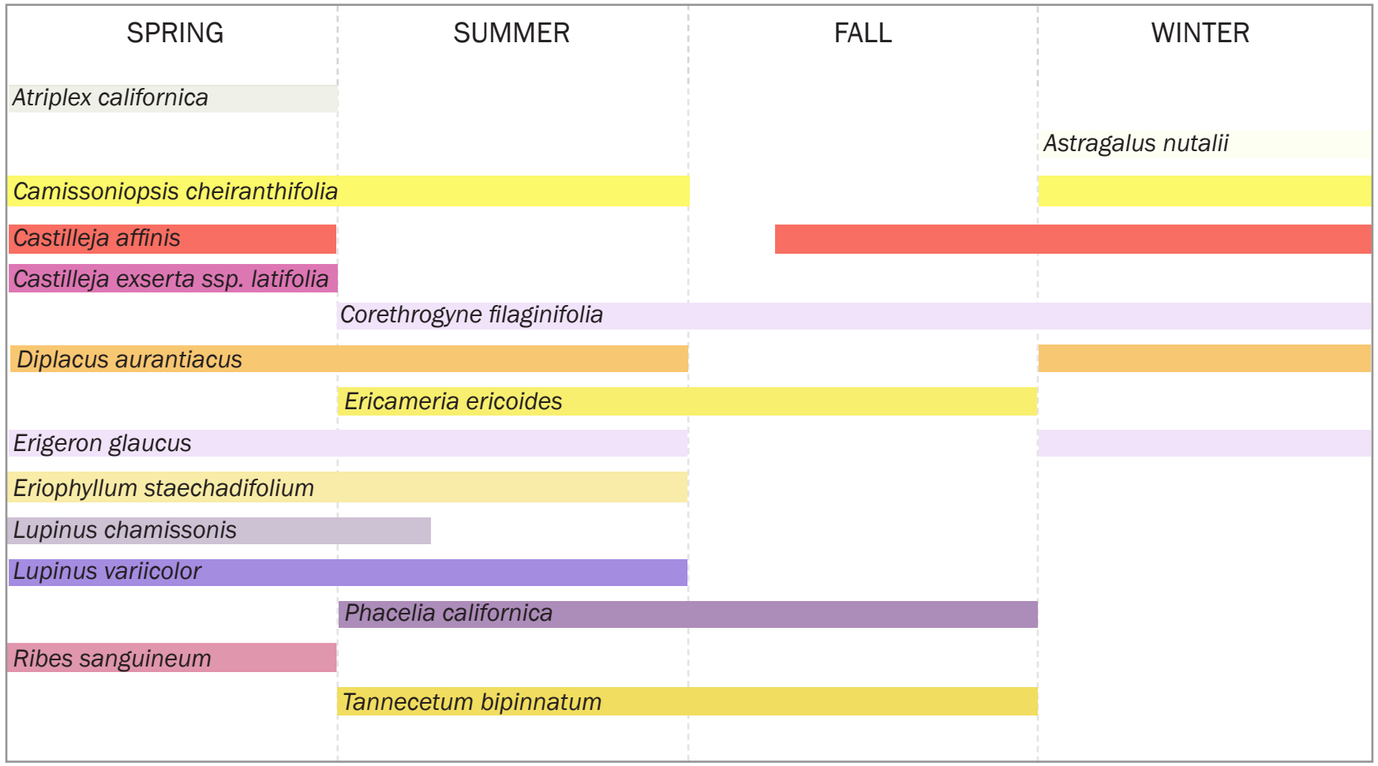

Astragalus nutalii


Baccharis pilularis


Camissoniopsis cheiranthifolia


Castilleja affinis

SLOAT PLAZA - FORBS/SHRUBS BLOOM CALENDAR




Castilleja exserta


Corethrogyne filaginifolia


Diplacus aurantiacus


Dudleya farinose


Ericameria ericoides


Erigeron glaucus


Eriophyllum staechadifolium


Lupinus chamissonis


Lupinus variicolor


Pteridium aquilinum


Pterostegia drymariodes


Phacelia californica


Ribes sanguineum


Tannecetum bipinnatum

GRASSES

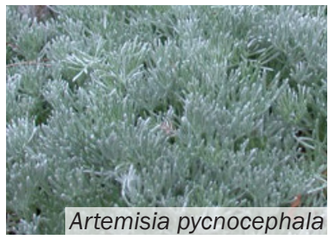

Leymus pacificus x triticoides


Leymus x vancouverensis


Juncus lescurii

FORBS/SHRUBS


Achillea millefolium


Artemisia pycnocephala

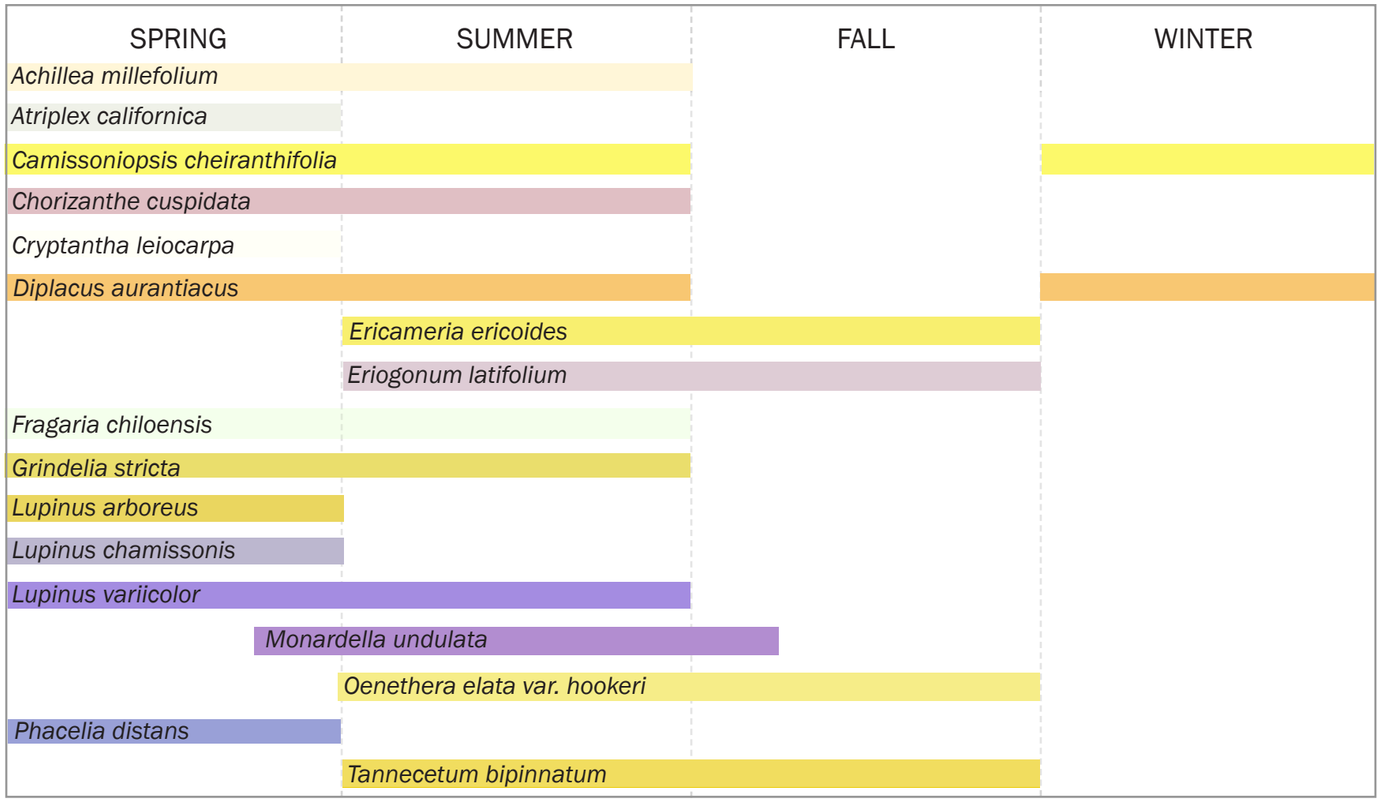

Atriplex Californica


Baccharis pilularis


Camissoniopsis cheiranthifolia


Chorizanthe cuspidata

INFILTRATION PLANTERS - FORBS/SHRUBS BLOOM CALENDAR




Cryptantha leiocarpa


Diplacus aurantiacus


Ericameria ericoides


Eriogonum latifolium


Fragaria chiloensis


Grindelia stricta


Lupinus arboreus


Lupinus chamissonis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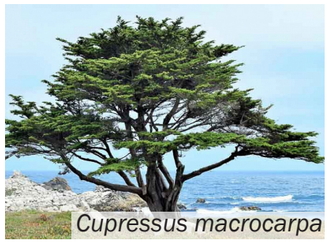
Tannecetum bipinnatum

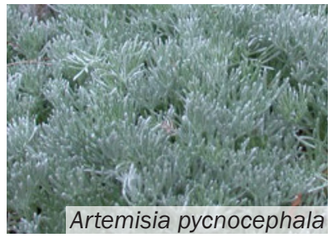
TREES/TALL SHRUBS


Cupressus macrocarpa


Myrica californica

FORBS/SHRUBS


Achillea millefolium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Eriophyllum staechadifolium


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PARKING LOT AND MEDIANS - FORBS/SHRUBS BLOOM CALENDAR