

A place where people can experience the natural world in transition.

Alameda Point DePave Park Vision Plan

08/13/2020 DEPAVE PARK

CMG
Landscape Architecture

Recreation and Parks
City of Alameda

THE VISION

NATURE BASED + CLIMATE POSITIVE

The vision for DePave Park is to transform the paved tarmac into a thriving ecological park that adapts to future sea level rise by accepting rising tides to create restored wetlands. DePave Park will be a new model for resilient landscapes, offsetting its carbon footprint in 4 years to become Climate Positive and mitigating the carbon footprint of its original construction in less than 25 years, as opposed to the additional 220 years the current site would require to become Climate Positive.

THE VISION

NATURE BASED + CLIMATE POSITIVE

DePave Park will become an ecologically productive landscape for native wildlife and a recreational and educational resource for the community.



DEPAVE PARK

EXISTING CONDITIONS



Fig. 1 Looking West



Fig. 2 Existing Building 25



Fig. 3 Existing Kayak Beach



Fig. 4 Existing Concrete Pads



Fig. 5 Existing Shoreline Rip-Rap



Fig. 6 Existing Concrete

DEPAVE PARK

EXISTING CONDITIONS



SAN FRANCISCO

VA WETLAND

BUILDING 29

EXISTING CONCRETE

ANCILLARY BUILDINGS

BUILDING 25

BREAKWATER

SEAPLANE LAGOON

DEPAVE PARK

EXISTING CONDITIONS

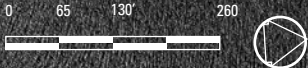


VA Wetland

Bldg 29

Bldg 25

Existing Concrete



DEPAVE PARK

REPURPOSED MATERIALS

Remove Rip-Rap
to let tide in to
create sub tidal
habitat

Re-purpose land form
for overlook

Remove Bldg 29

Re-Purpose
crushed Paving
to create land-
form overlooks

Re-purpose existing concrete paving

Remove and crush asphalt paving and base material

Re-Purpose
crushed Paving
to create land-
form overlooks

Parking
RstRm

Remove Rip-Rap to let tide in to create sub tidal habitat



Remove Rip-Rap to create sub tidal habitat

PROPOSED PLAN



BUILDING 25 REMOVED



INCREASE TIDAL & AQUATIC HABITAT



ENHANCED BY SEA LEVEL RISE



ECOLOGY OVERLOOK



HIKE AND BIKE PATH



SEA LEVEL RISE RESILIENCE



CLIMATE POSITIVE

DESIGN SCORECARD

Though re-purposing materials and minimizing additional carbon emissions and maximizing carbon sequestration DePave Park is a new model for Climate Positive Design.

4

years to positive

23 years to remediate
previous land use

Climate Positive Design Scorecard

Project Name **Alameda De-Pave Park**
Type of Project **Park**

Net Impact over 50 years

-8,268 tons

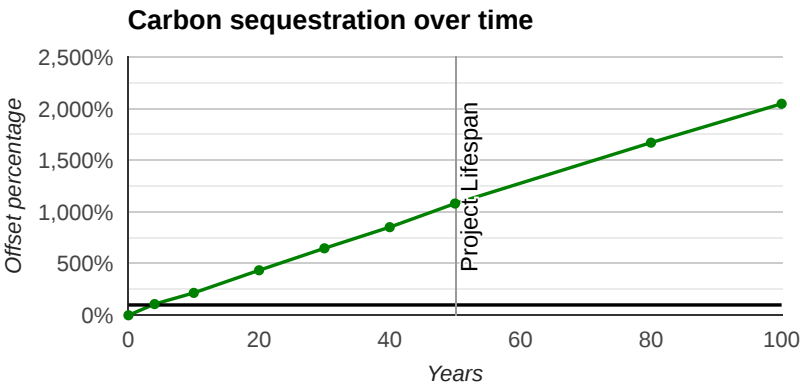
Total Embodied Carbon from Materials	1,630,413 lbs CO ₂ -eq
Total Carbon Sequestered by Plants over 50 years	18,569,173 lbs CO ₂ -eq
Total Operational Carbon from Maintenance over 50 years	76,143 lbs CO ₂ -eq

Total Area

520,514 sq feet

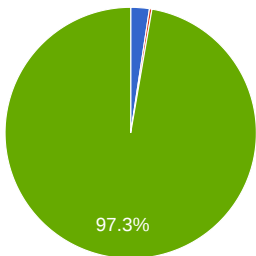
11.95 acres

Impervious area	40,275 sq feet	8% of total area
Permeable area	480,239 sq feet	92% of total area
Planted area	480,239 sq feet	92% of total area



Embodied carbon profile

- Paving
- Walls, Curbs & Headers
- Custom Elements



DEPAVE PARK VISION PLAN

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