

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



# Alameda Point De-Pave Park Vision Plan

08/13/2020 DE-PAVE PARK

**CMG**  
Landscape Architecture

Recreation and Parks  
City of Alameda

# THE VISION

## *NATURE BASED + CLIMATE POSITIVE*

The vision for De-Pave 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. De-Pave 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*

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



# DE-PAVE PARK

## EXISTING CONDITIONS

SAN FRANCISCO

VA WETLAND

BUILDING 29

ANCILLARY BUILDINGS

BUILDING 25

EXISTING CONCRETE

BREAKWATER

SEAPLANE LAGOON

# PROPOSED PLAN



# ENHANCED BY SEA LEVEL RISE



DEPAVE PARK 08/13/2020

MHHW + Approx 3 ft Sea Level Rise

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# 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 De-Pave 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**

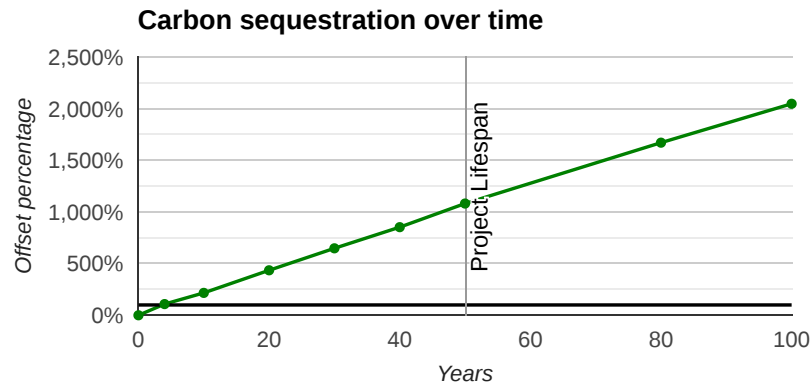
|   |                                    |
|---|------------------------------------|
| Total Embodied Carbon from Materials                    | 1,630,413 lbs CO <sub>2</sub> -eq  |
| Total Carbon Sequestered by Plants over 50 years        | 18,569,173 lbs CO <sub>2</sub> -eq |
| Total Operational Carbon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

#### Total Area

**520,514 sq feet**

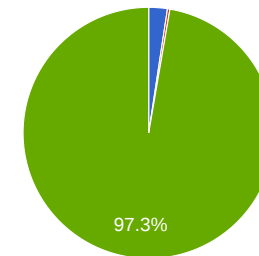
**11.95 acres**

|                 |                 |                   |
|-----------------|-----------------|-------------------|
| 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



# BUILDING 25 REMOVED



# DE-PAVE PARK VISION PLAN

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