MANGROVE PARK

TEAM 8

Contents

Project Narrative

Mangrove Park provides the City of Gulf Coast with a space for active recreation and community engagement. Reclaiming a formerly neglected site, this space has now become a healthy area for both humans and native wildlife. Incorporating amazing coastal views, extraordinary plant life, and an inclusive design program, Mangrove Park is able to engage everyone in the community.
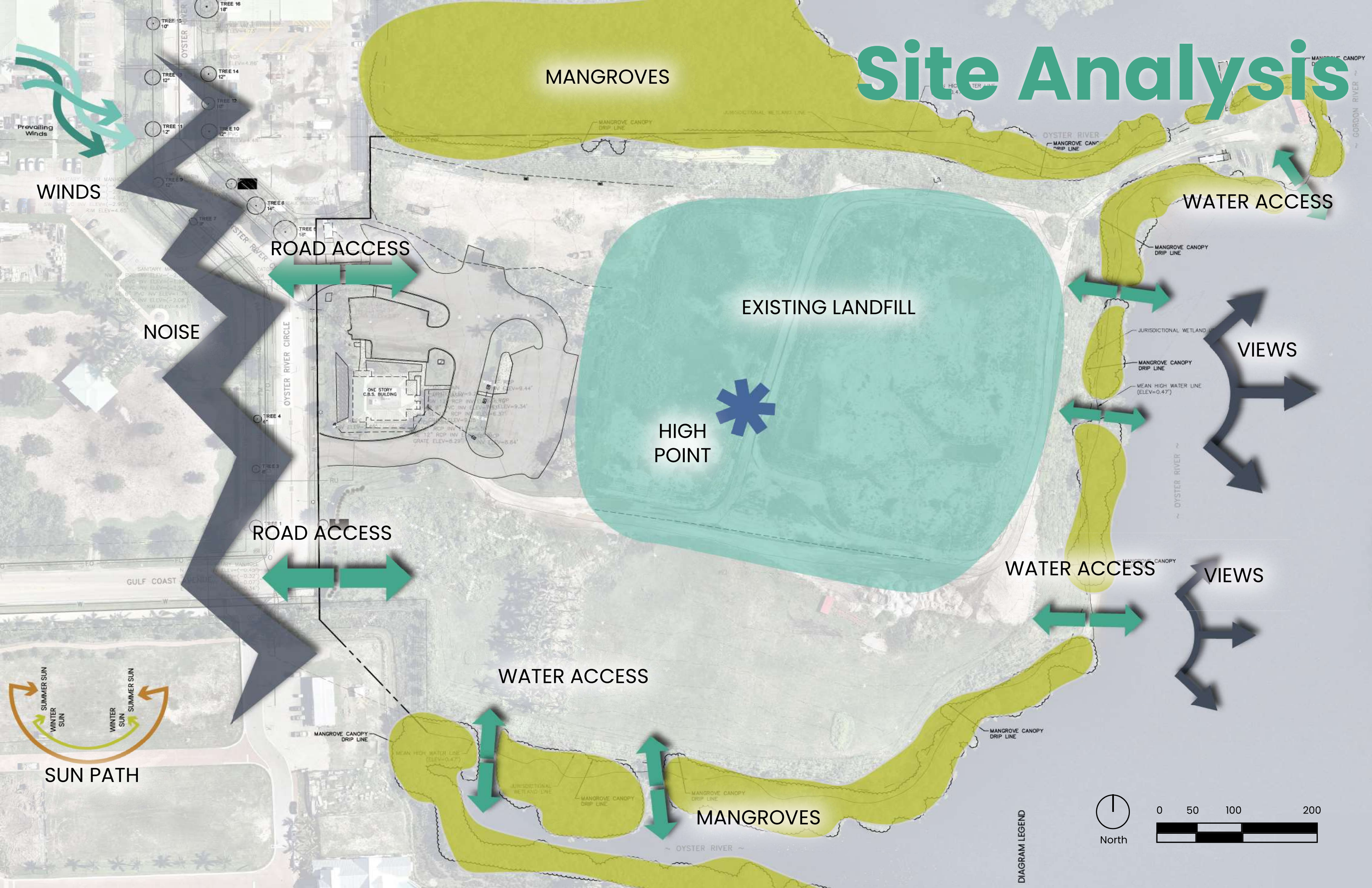
Goals:

- Engage the community with the natural landscape
    - Boardwalk for nature observation
    - Sunrise viewing area
    - Locations for kayaking and snorkeling
- Equitable programming for people of all ages and backgrounds
    - Playspaces for older and younger kids
    - Splashpad
    - Pavilion for community events and passive recreation
- Sustainable and hurricane resilent design
- Preserve v existing natural features and promote wildlife
    - Preservation of mangroves and wetlands

Site Context

- Public park project for City of Gulf Coast
- Total of 15 acres for park space
- Empties into Gulf of Mexico 1/2 mile away
- Historically used as a landfill for organic waste
- Surrounding population of 300,000-350,000 people throughout the year
- Sub-tropical climate
- USDA Plant Hardiness zone 10A

Site Analysis

MANGROVES

WINDS

Prevailing Winds

WATER ACCESS

ROAD ACCESS

NOISE

EXISTING LANDFILL

VIEWS

HIGH POINT

MANGROVE CANOPY DRIP LINE

ROAD ACCESS

WATER ACCESS

VIEWS

WATER ACCESS

SUMMER SUN

WINTER SUN

WINTER SUN

SUMMER SUN

SUN PATH

MANGROVES

DIAGRAM LEGEND

0 50 100 200

North

Precedent Imagery

Design Concept

BOAT RENTAL

COMMUNITY BUILDINGS

PAVILION

BOARDWALK

ACTIVE LAWN SPAC

PLAYGROUND WITH SPLASHPAD

DOG PARK

PASSIVE LAWN SPACE

BERMS

BEACH ACCESS

CONSTRUCTED WETLANDS

BOARDWALK

BOAT LAUNCH
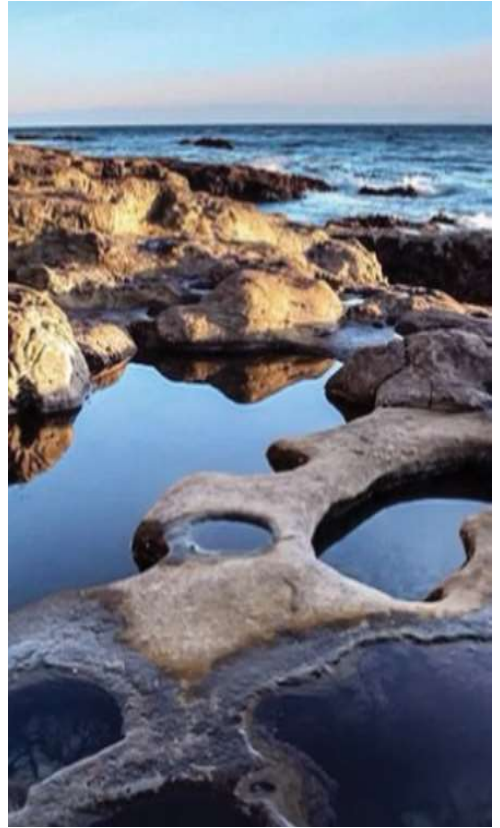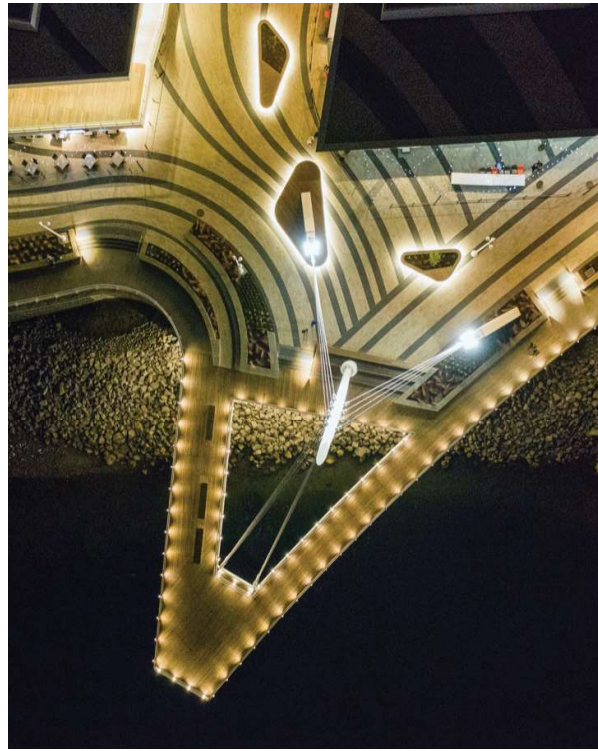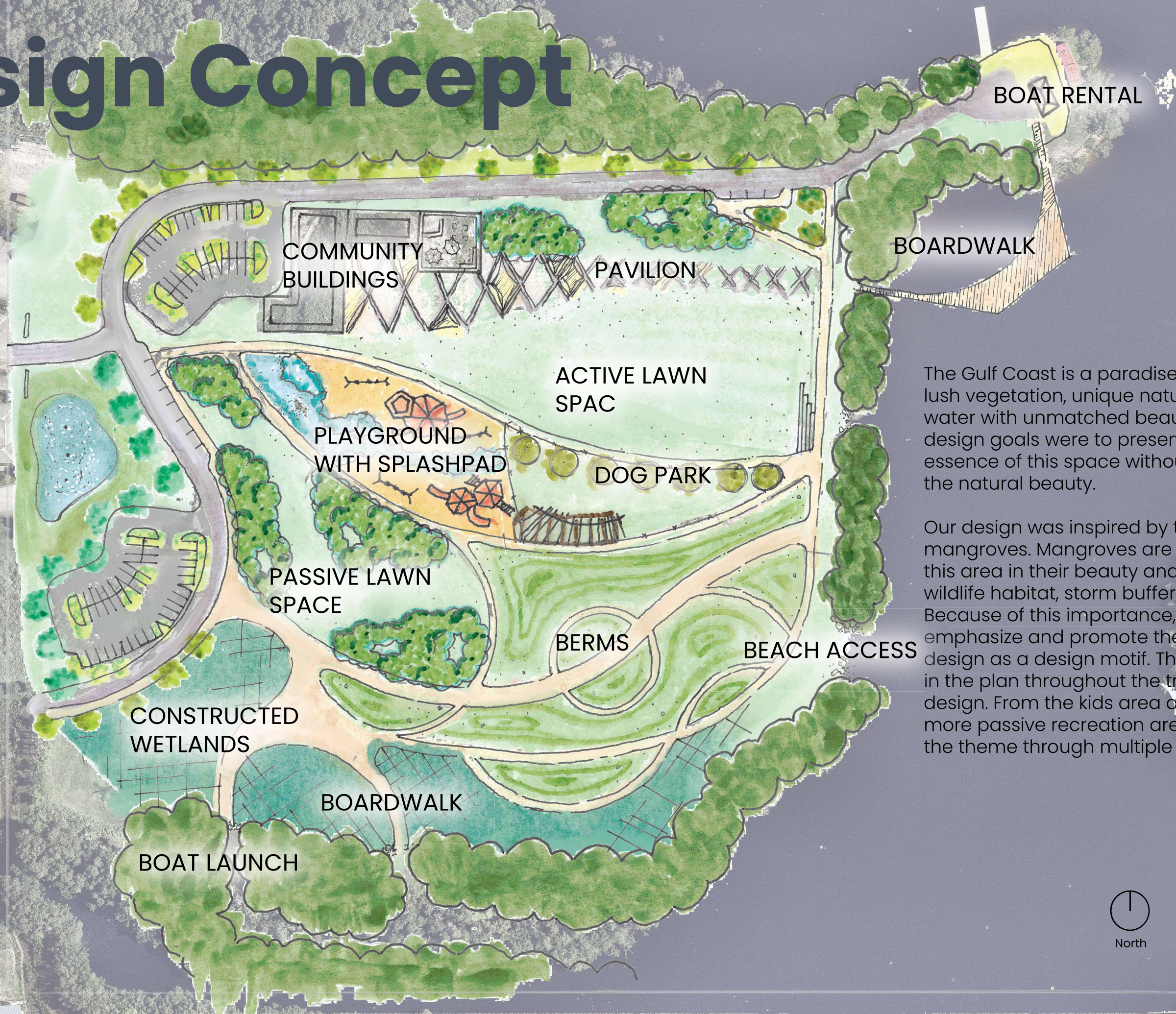
The Gulf Coast is a paradise like no other, with lush vegetation, unique natural features, and water with unmatched beauty and color. Our design goals were to preserve and promote the essence of this space without taking away from the natural beauty.

Our design was inspired by the form of mangroves. Mangroves are so important to this area in their beauty and their function as a wildlife habitat, storm buffer, and erosion control. Because of this importance, we wanted to emphasize and promote the mangroves in our design as a design motif. This motif can be seen in the plan throughout the trail layout and pavilion design. From the kids area and splash pad to the more passive recreation areas, the design carries the theme through multiple scales.
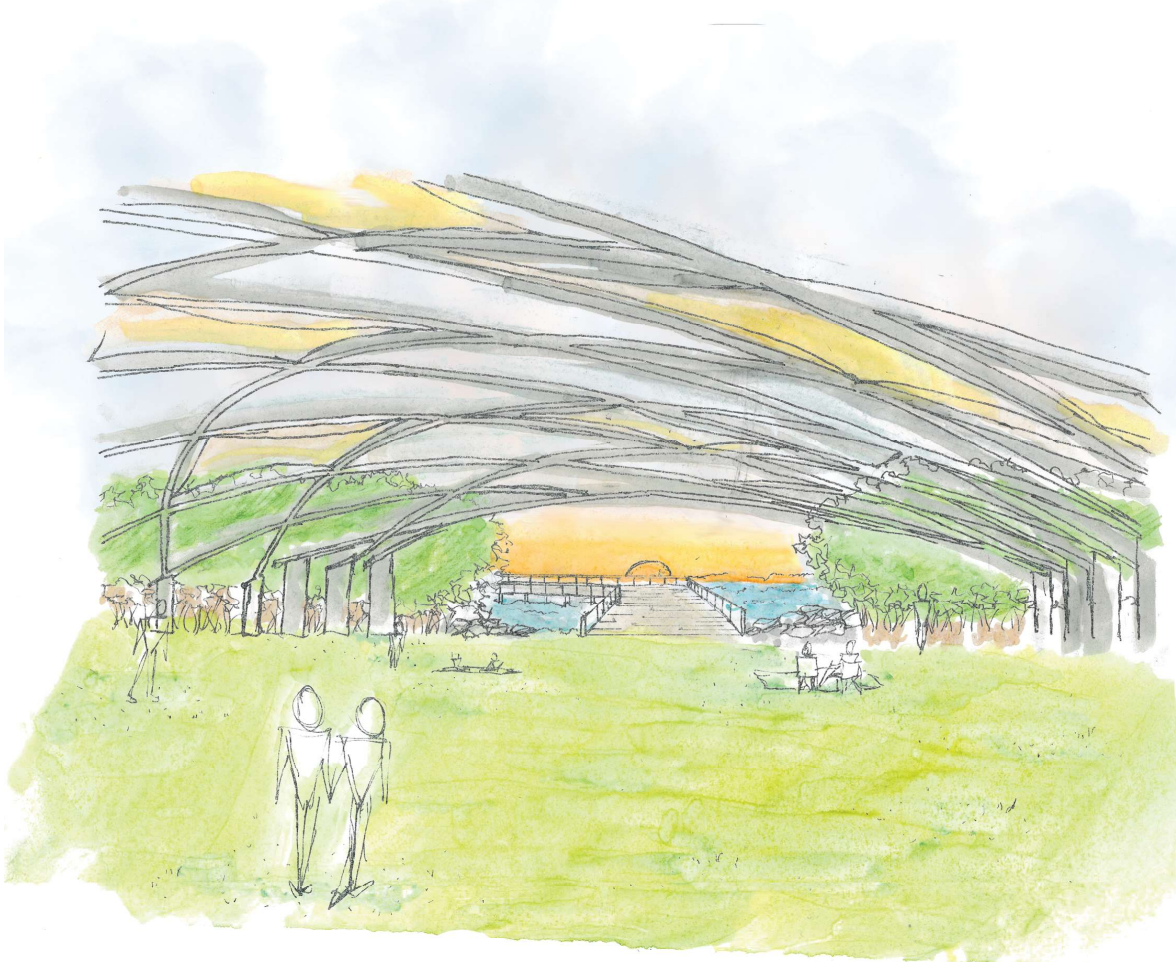
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North
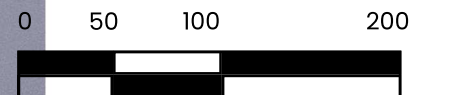
Supporting Graphics

This section showcases the slope of the open lawn area leading into the mangroves and boardwalk. These staggered viewing slabs allow for viewing the mangroves and the sunrise.

The pavilion, showcased above, is designed to be used for small or large scale events and provide a view for the entire park. The open lawn area allows for recreation and viewing areas towards the mangroves. Those braving the early mornings can view the magnificent sunrise.
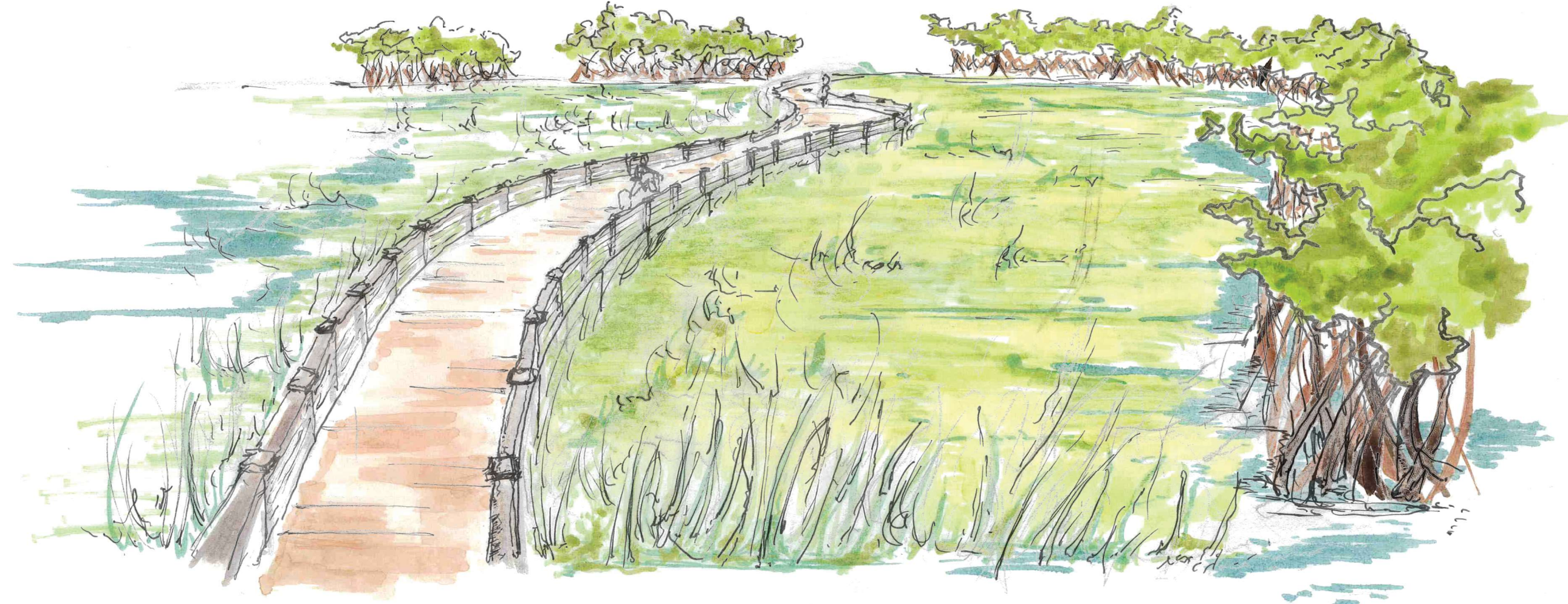
In addition to beauty and aesthetics, this park is designed with hurricane resilient material choices and stormwater management design practices. The constructed wetlands, shown to the left, provides filtration of water runoff and the berm provides physical protection from high winds. The constructed wetland pathways, showcased to the left, can also be used for more passive enjoyment of nature and the park.

10   0 feet   10   20

Materials Board

Plant Material

Birds of Paradise

Oyster Plant

Live Oak

Weeping Willow

Queen Palm

Pink Muhly Grass

Bald Cypress

Fountain Grass

Lantana

Plant Design Inspiration

Design Inspiration for the wetland area

Design Inspiration for lush planting beds

Design Inspiration for the wetland area

Design Inspiration for lush planting beds

Hardscape Materialsm & Site Furnishings

Hexagonal Paving for Cafe Area
by Dedale

Seashell Aggregate for Paving
by Material District

Vector Seating System with Moss Powdercoat
by Forms and Surfaces

Tonya Receptacle with Moss Powdercoat
Forms and Surfaces

Aptos Path Light
by Forms and Surfaces

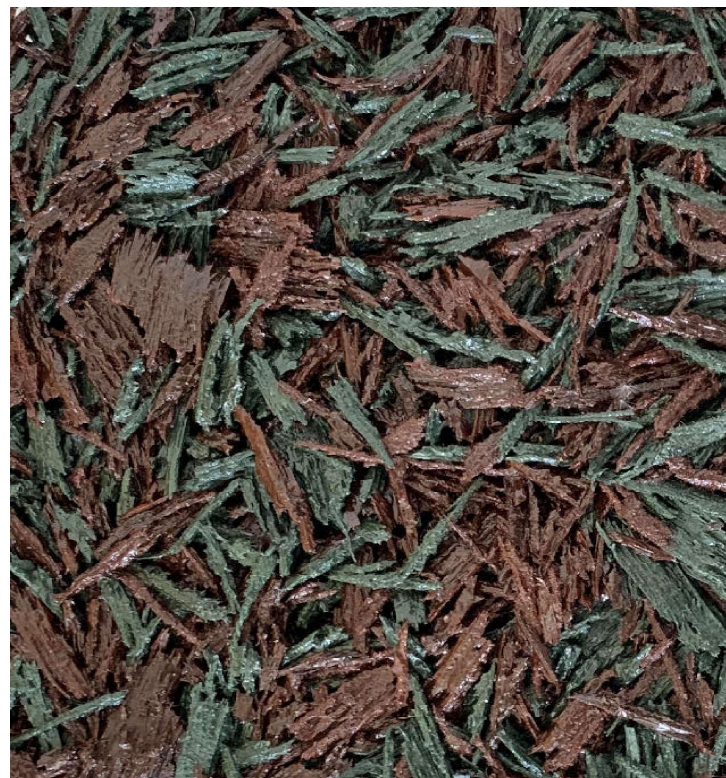Pet Disposal Kit
by Pet Pickups
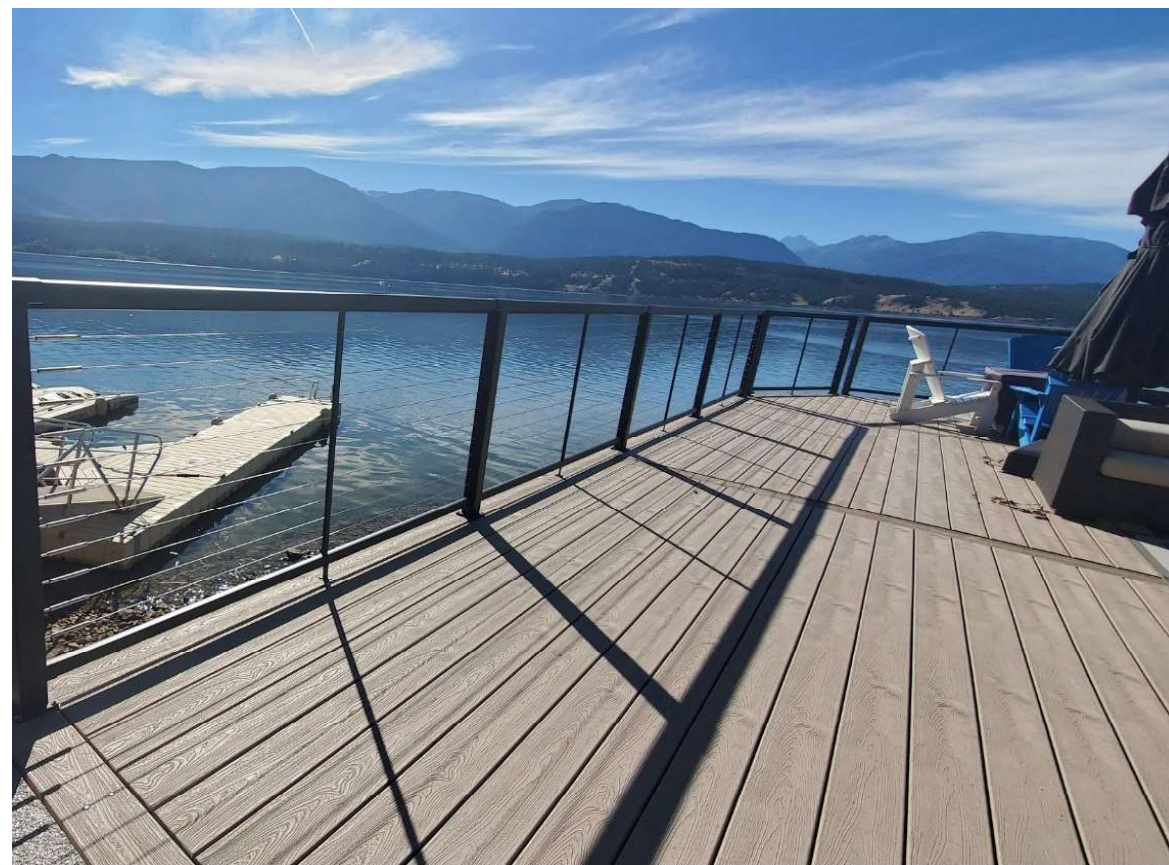

Cordia
by Forms and Surfaces

Bike Garden Bike Rack
by Forms and Surfaces

Mangrove inspired playground
by Earthscapes

Robber Mulch for Playground
by Limegate Solutions

Cable Railing
by Vista Railing Systems

Composite wood boardwalk
by J. Gibson McIlvain Company

Team Information

Team 8

Henry Vencill
Henry is a 3rd year landscape architecture student with a minor in Art History. His areas of interest include urban park design, transporation studies, and ecological restoration.

Karlie Roper
Karlie is a 4th year landscape architect also looking to complete a sustainability certificate. She has a concentration on outdoor park spaces that promote active living and is currently working towards her Bachelor's degree in Landscape Architecture and looking forward to a career in private practice design.

Jasmine Querido
Jasmine is a 2nd year student landscape architecture student looking to complete a certificate in Urban Planning and GIS. She has a concentration in 3D modeling and uses of open source software in Landscape Architecture.

Cameron Castorina
Cameron is a 2nd year landscape architecture student and is working on completing his environmental ethics certificate. He hopes to focus on urban design, recreational and entertainment design, and mixed-use design.