



# COASTAL RESILIENCE MASTER PLAN

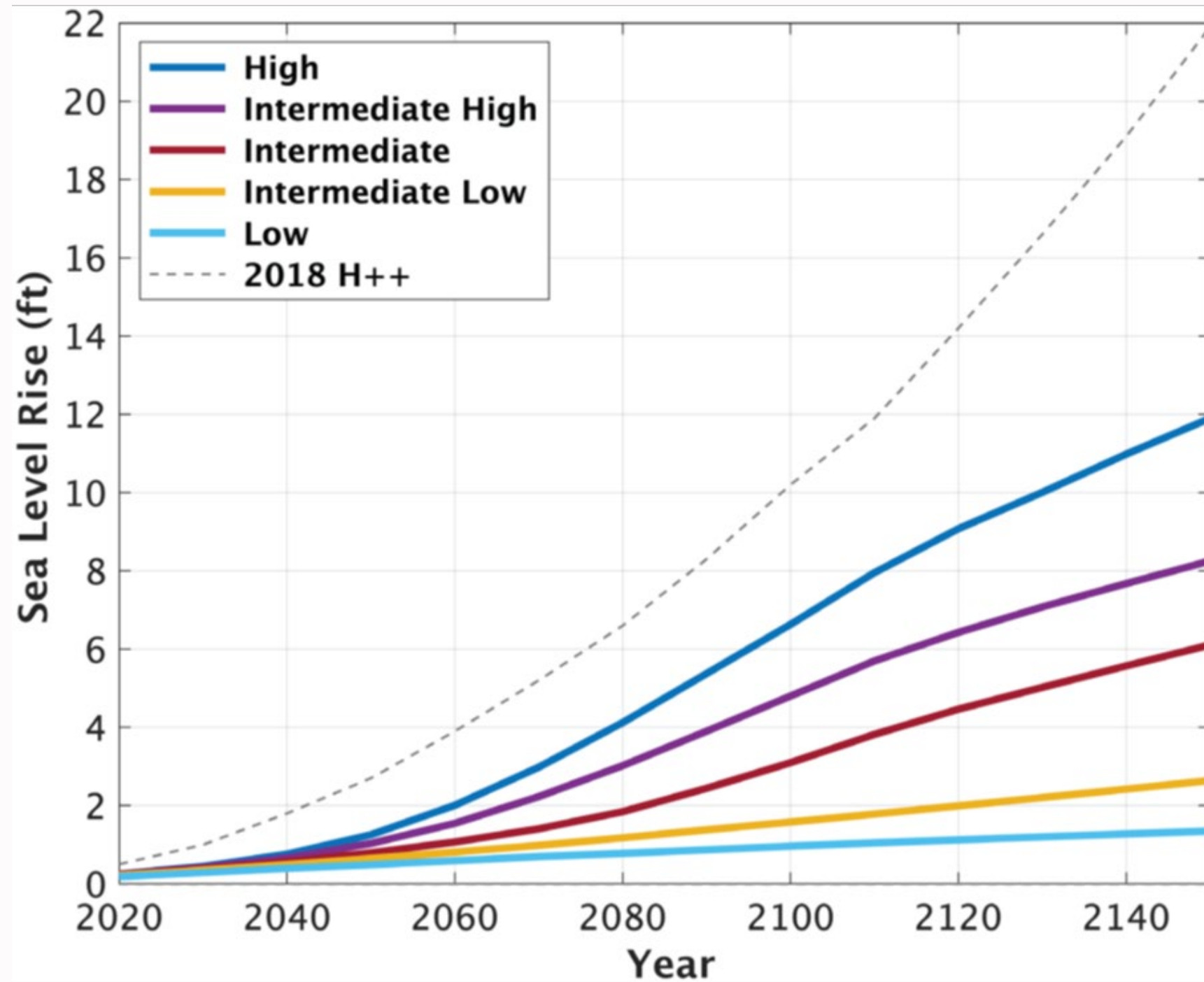
November 2024  
City Planning Department



# Meeting Agreements

- Participate respectfully
- Share feedback and perspectives relevant to the topic of the meeting
- Participate in an active and focused manner
- Help involve all participants

# Sea Level Rise Science

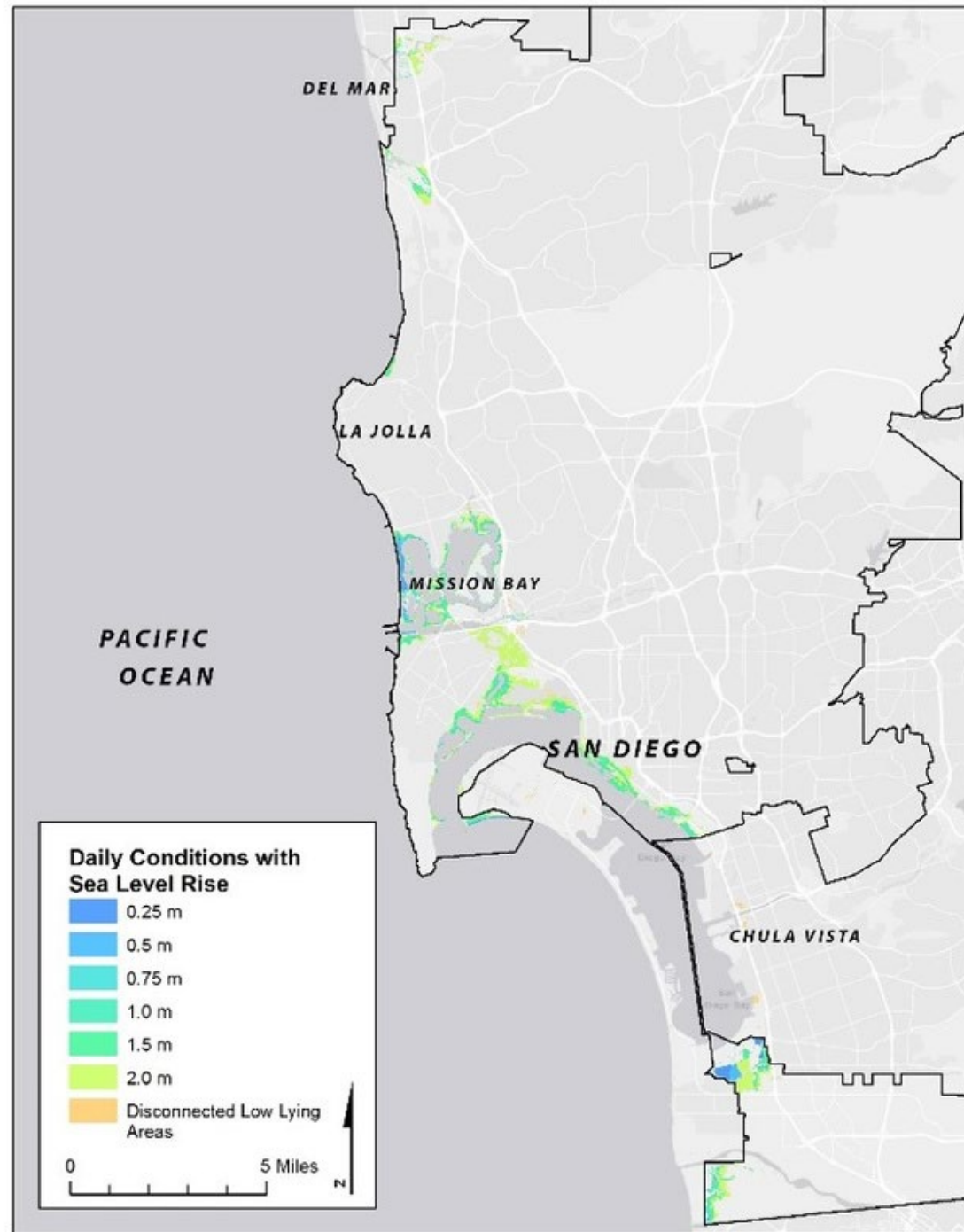


~1 FT SLR BY 2050

GREATER RANGE OF PROJECTIONS FURTHER INTO FUTURE

Figure: Sea Level Scenarios from 2020 to 2150, in feet, with a baseline of 2000. Credit: State of California Sea Level Rise Guidance.

# Understanding Impacts



VULNERABILITY

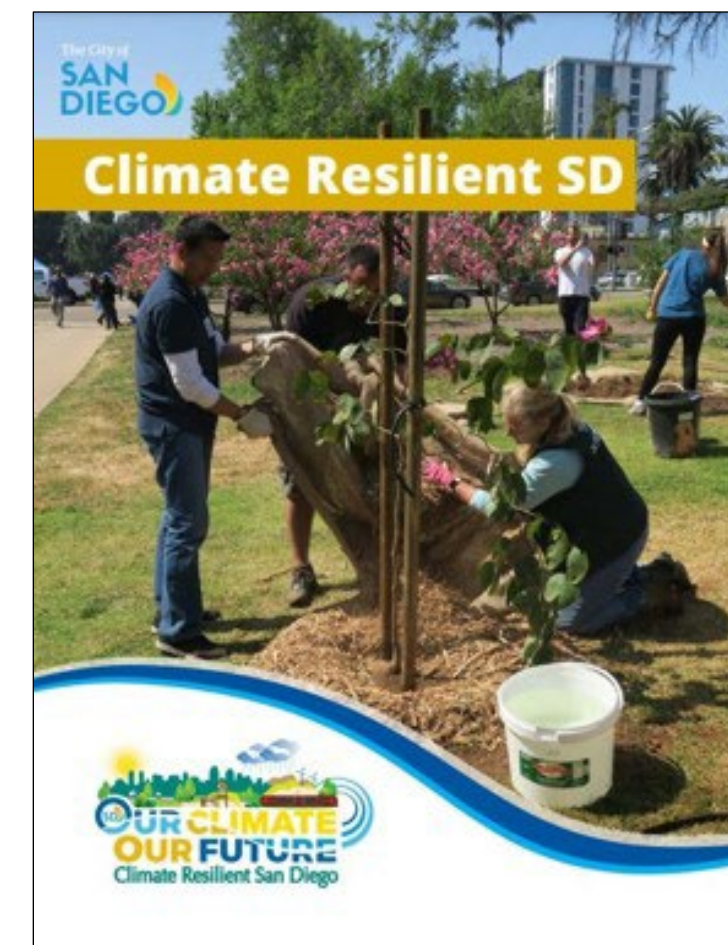
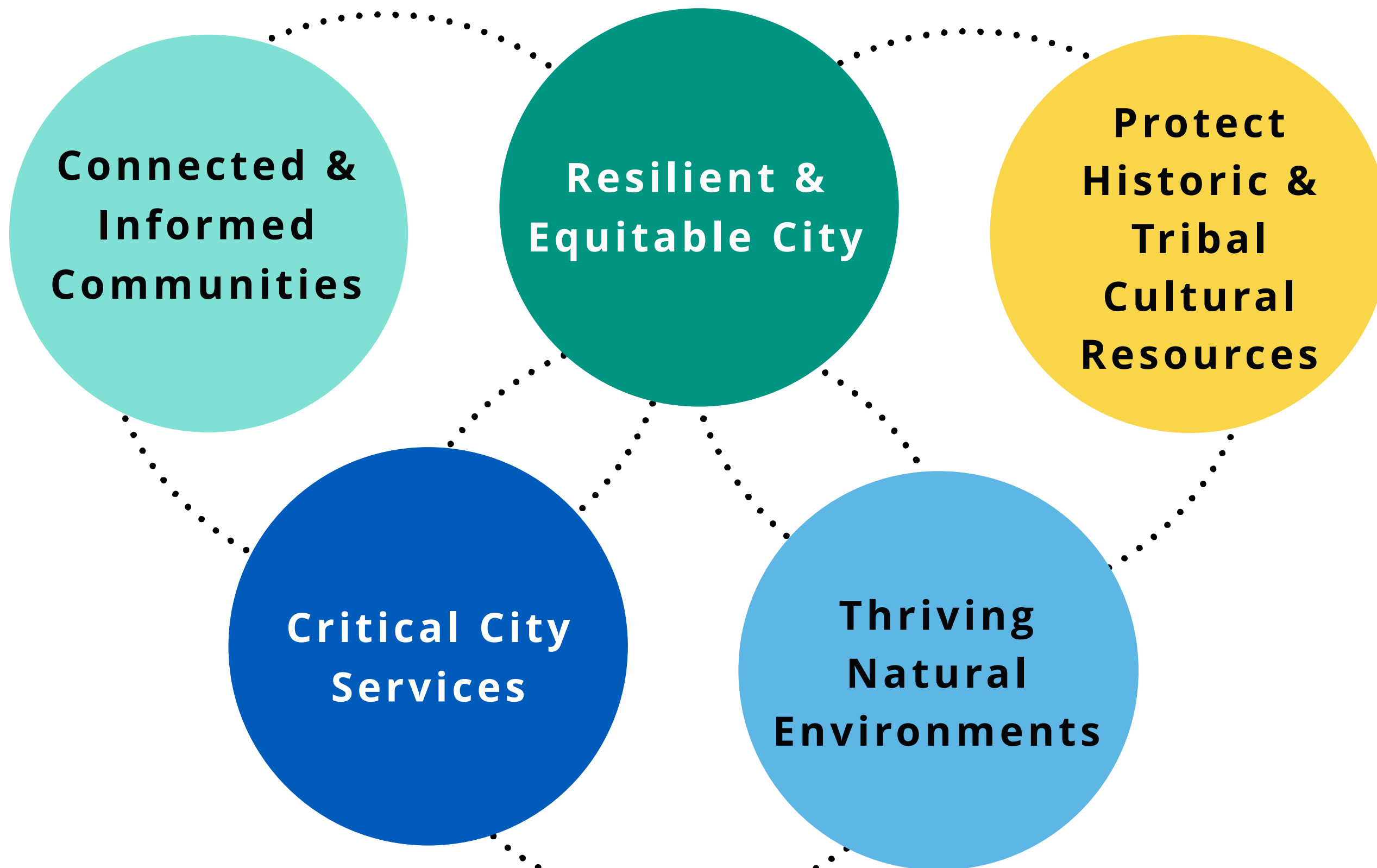
Exposure

Sensitivity

Adaptive Capacity



# Climate Resilient SD





# Planning Overview

**VULNERABILITY ASSESSMENTS**

- State Lands SLR Vulnerability Assessment
- SLR Vulnerability Assessment
- Citywide Climate Change Vulnerability Assessment

**CLIMATE RESILIENT SD**

- Suite of strategies to mitigate risks from climate change hazards & build community capacity

**COASTAL RESILIENCE MASTER PLAN**

- Nature-based solution pilot projects

..... Stakeholder and Community Engagement .....

# Adaptation Approaches

## PROTECT

- Major stabilization and drainage improvements
- Prioritize existing alignment and certain uses
- May limit coastal access and some uses

## ACCOMMODATE

- Repair and maintain as impacts are realized
- Adjust level of use based on status of assets
- Minor retrofit of existing structures
- Minor stabilization and drainage improvements

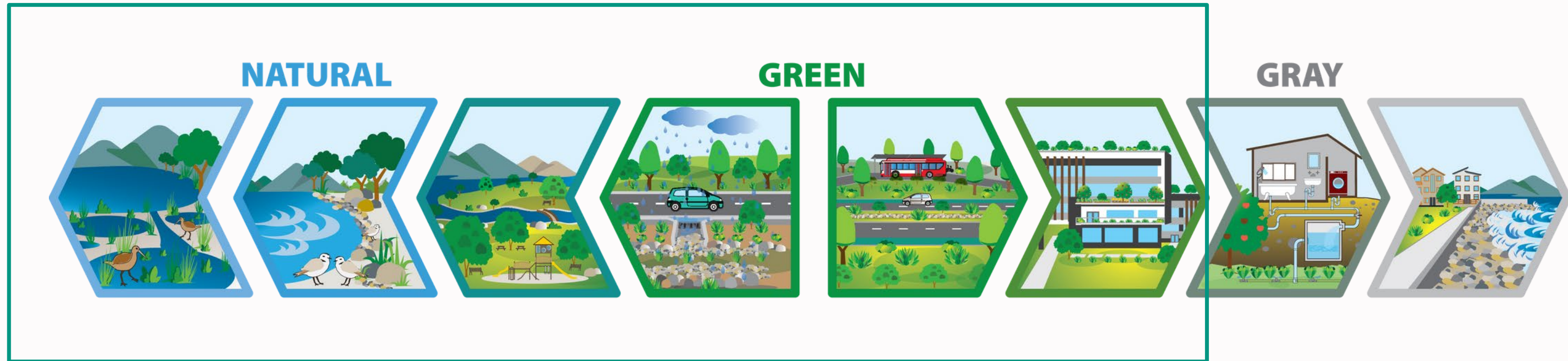
## RELOCATE

- Limit new development in hazardous and sensitive areas
- Remove/relocate vulnerable assets
- Promote preservation and conservation of open space

## HYBRID

- Accommodate over short-term, realign/relocate over long-term
- Blend protective elements using natural materials and proven structural designs
- Redevelopment restrictions
- Some realignment, some accommodation, and some protection

# Nature-Based Solutions Approach

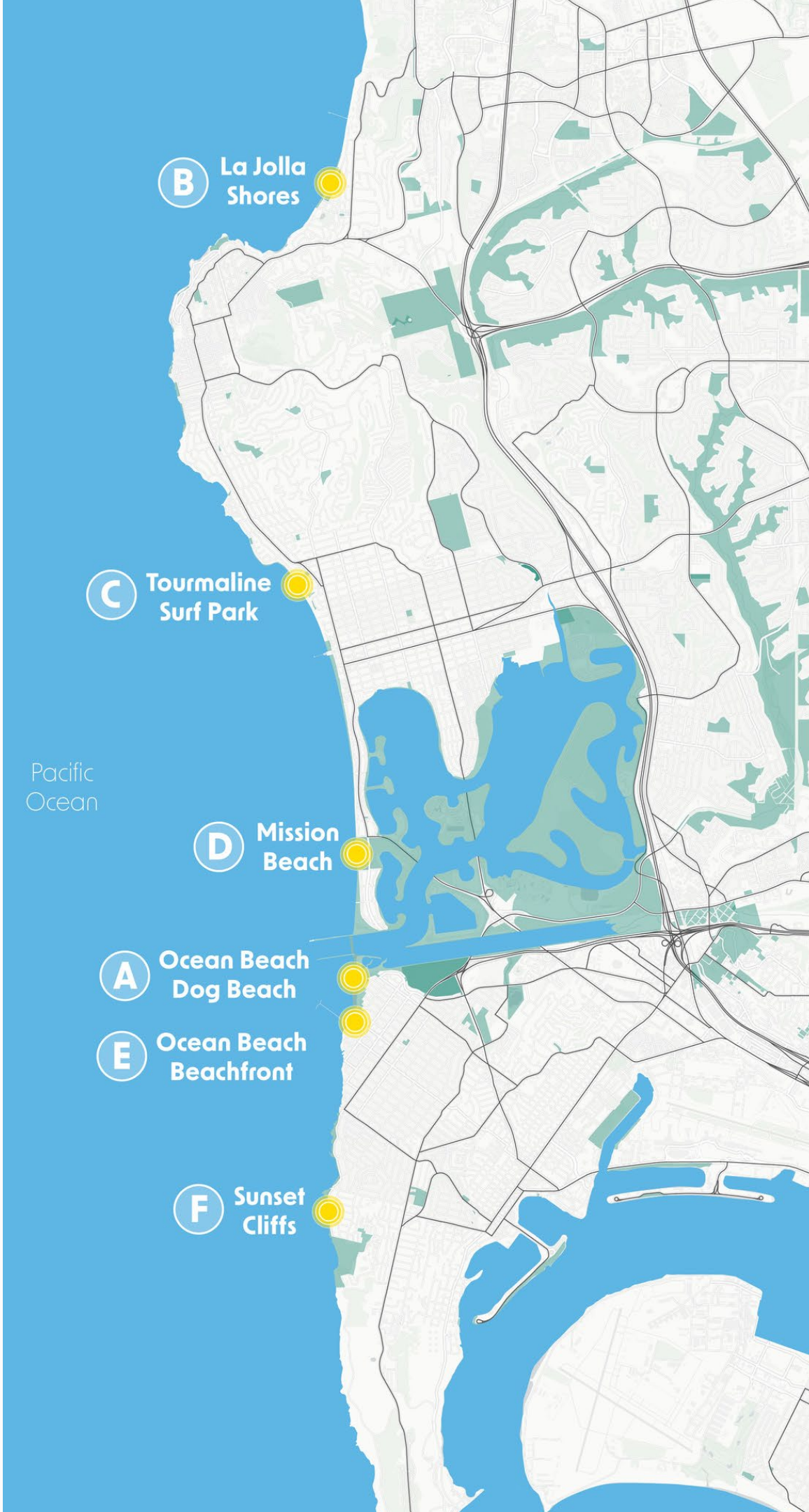


- Provide **multiple benefits** to communities
- **Preferred approach** by many community members
- Align with State and Federal guidance and **funding opportunities**



# Coastal Resilience Master Plan

- Select sites for pilot project development
- Nature-based solution feasibility
- Grant funded through the National Fish and Wildlife Foundation and California State Coastal Conservancy



# Project Objectives



Resilient Climate Protections



Sea Level Rise Protection



Protect Habitat & Wildlife



Enhance Recreation Opportunities



Protect Historic & Cultural Resources



Increase Coastal Access



# Plan Components

Nature-based solution  
concept designs

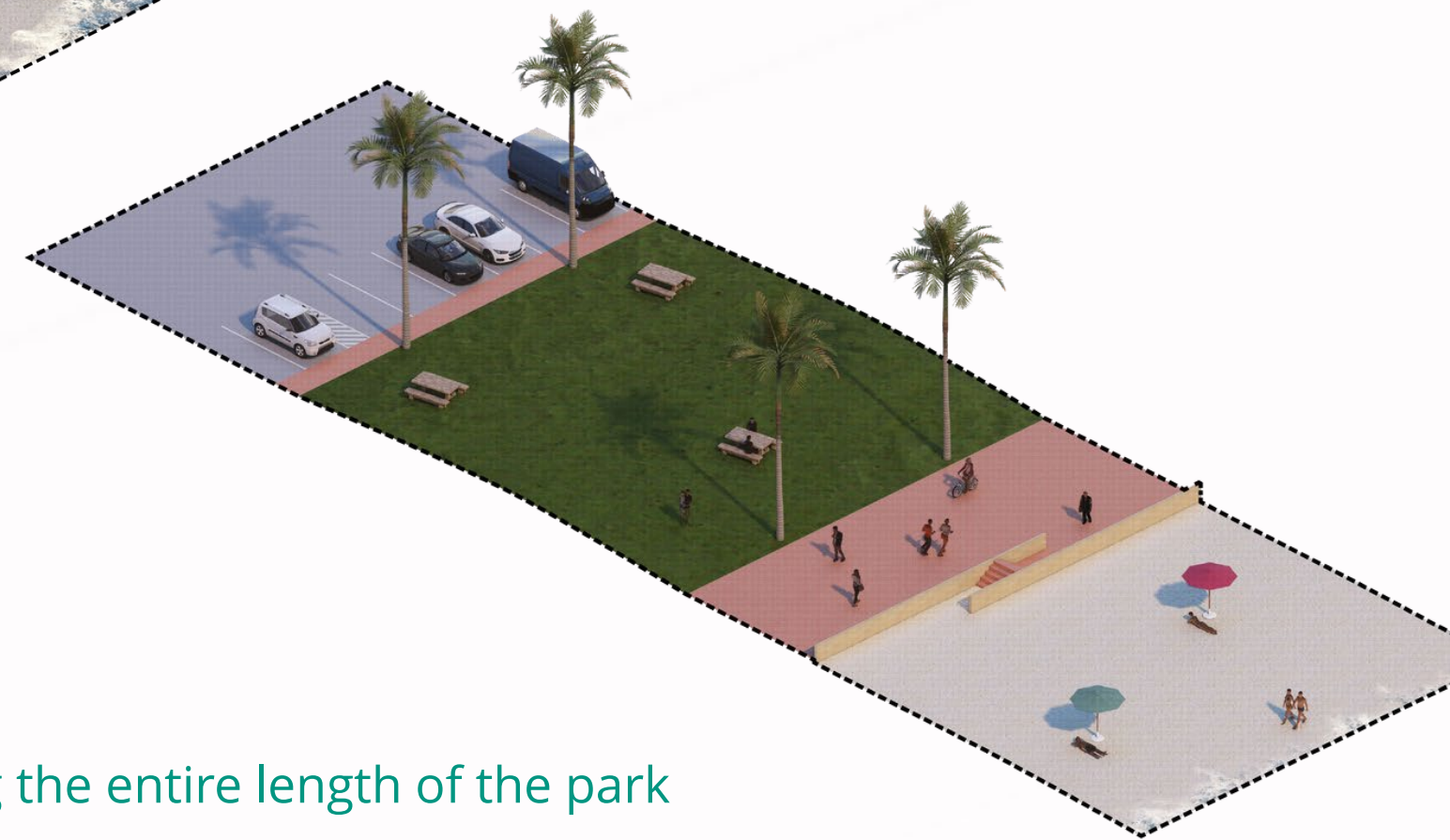
Environmental Analysis  
(PEIR)

Community & Stakeholder  
Engagement

Tribal  
Coordination



# La Jolla Shores - Reconfigured Park



## Key Features

- Retains beach space
- Continuous grassy recreational area along the entire length of the park
- Earthen dike with usable landscaped features
- Consideration for accessway flood proofing
- Consideration for opportunities to expand recreational areas

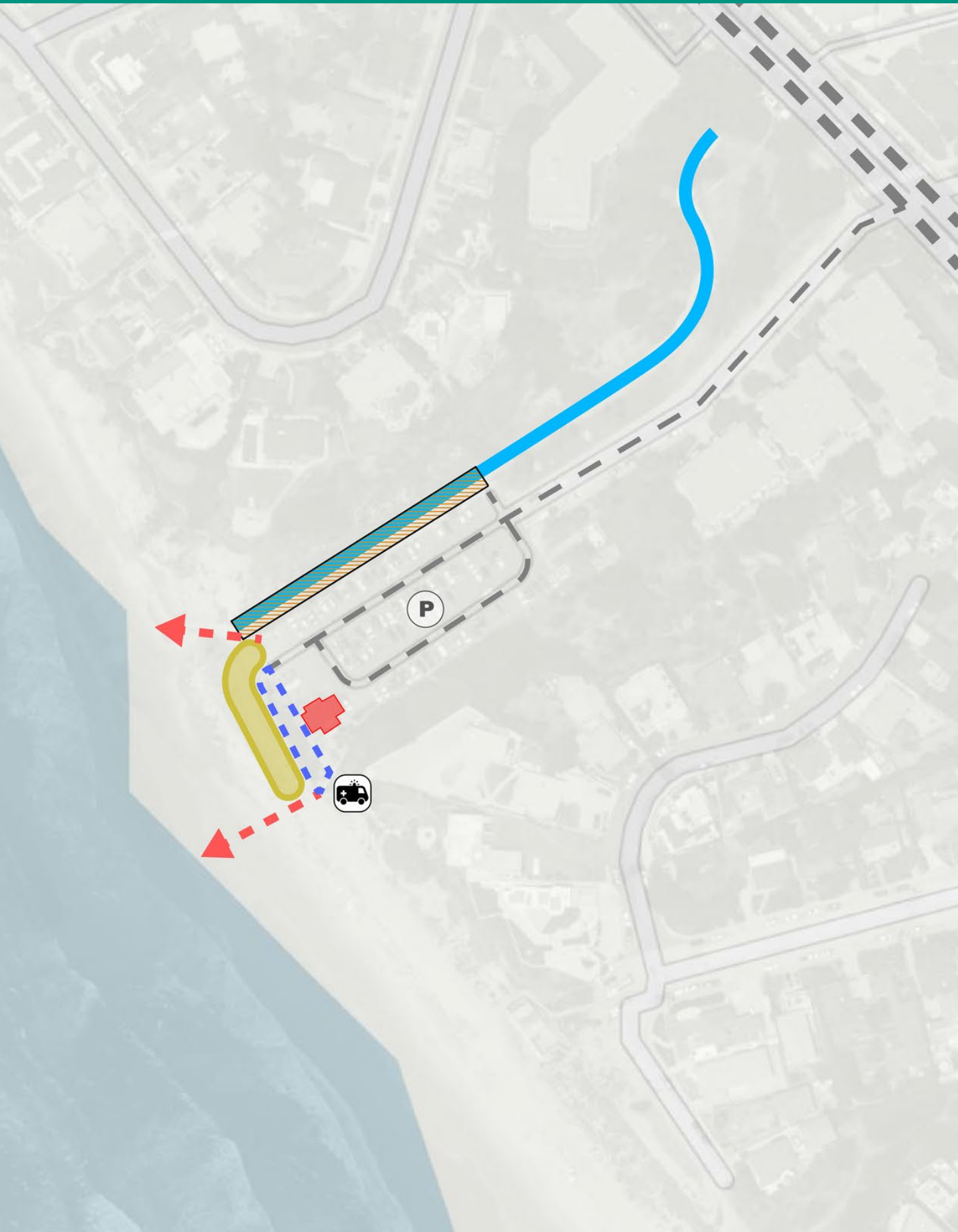
# La Jolla Shores - Seatwall



## Key Features

- Retains beach space and parking lot configuration
- Seatwall with enhanced seating and viewing amenities
- Earthen dike with usable landscaped features
- Consideration for accessway flood proofing

# Tourmaline Beach

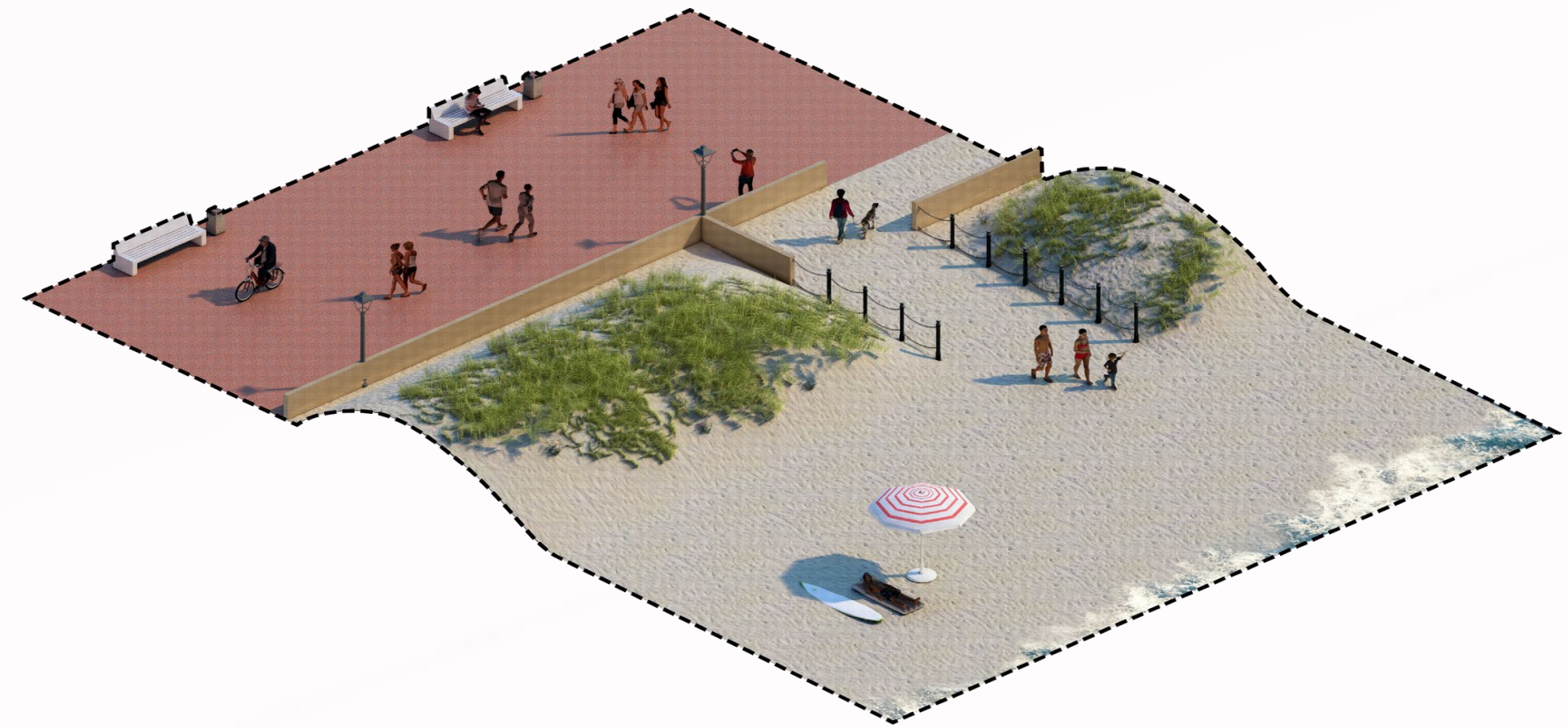
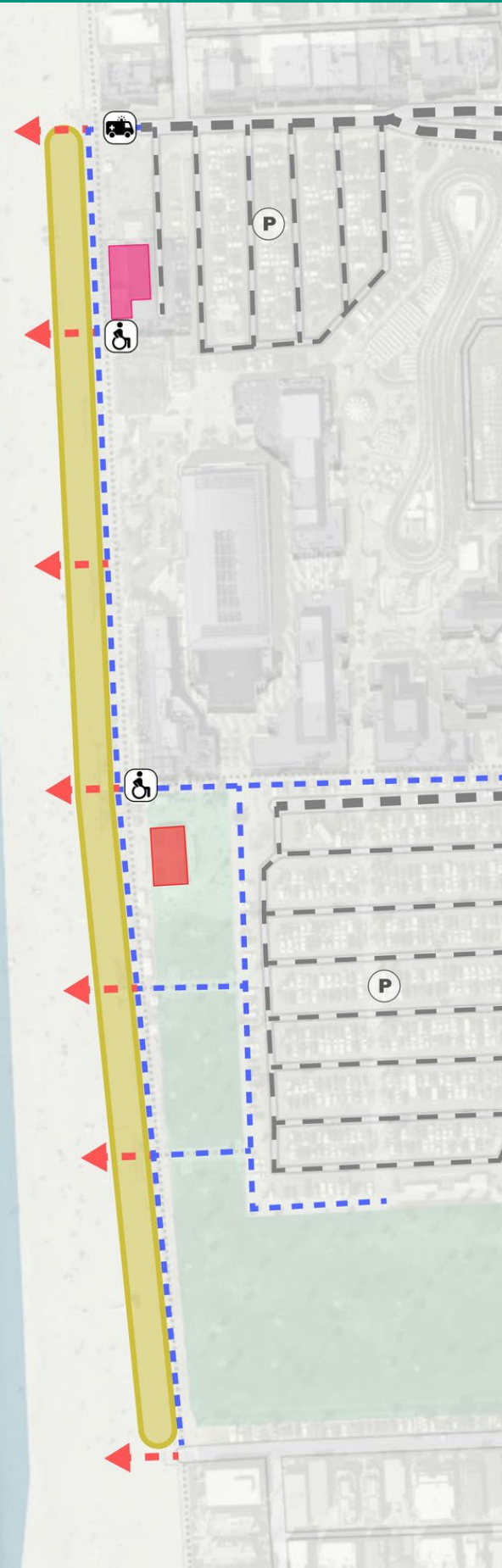


## Key Features:

- Vegetated dune leveraging existing material
- Enhance existing seating, access and aesthetics
- Retain ramp and public access
- Access improvements on north end of ramp
- Potential SW improvements



# Mission Beach- Dune



## Key Features:

- Vegetated dune with native planting
- Maintain accessways with consideration for accessway flood proofing
- Maintain Ocean Front Walk configuration

# Mission Beach - Perched Beach



## Key Features

- Vegetated dune with native planting
- Perched beach for additional beach recreation space
- Maintain accessways with consideration for accessway flood proofing
- Realigned seawall and Ocean Front Walk inland



# Ocean Beach - Dog Beach - Dunes



## Key Features:

- Vegetated dune along beachfront
- Multi-use path to connect San Diego River Trail, Dog Beach and Pier
- Dune restoration near Smiley Lagoon
- Beach accessways through the dune at key points
- No changes to parking



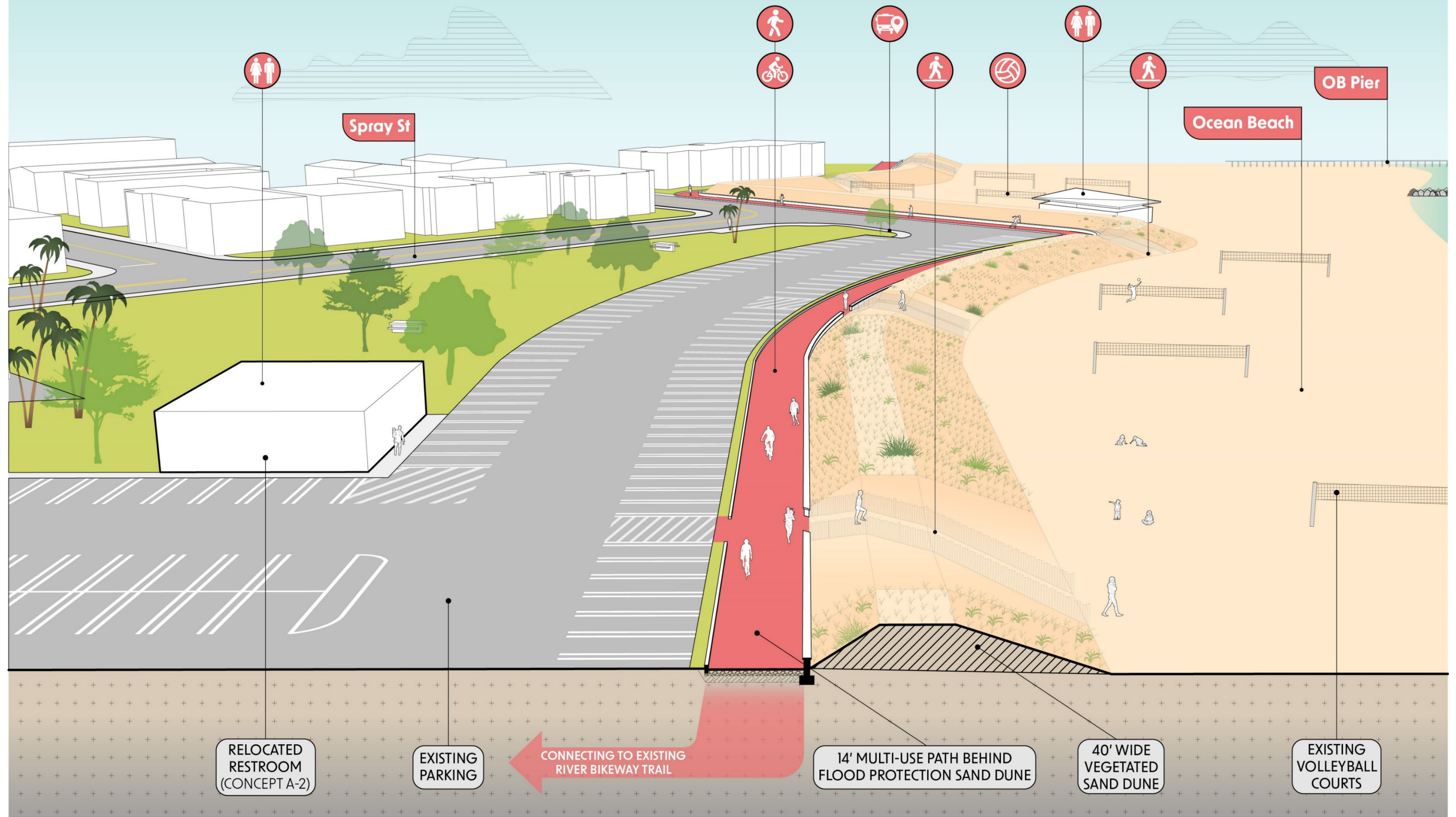
# Ocean Beach - Dog Beach - Resilient Relocation



## Key Features:

- Vegetated dune along beachfront
- Multi-use path to connect San Diego River Trail, Dog Beach and Pier
- Dune restoration near Smiley Lagoon
- Beach accessways through the dune at key points
- Bathroom relocation to a centralized inland location
- Potential Public Transit Stop

# Ocean Beach Dog Beach - Draft Project Concept

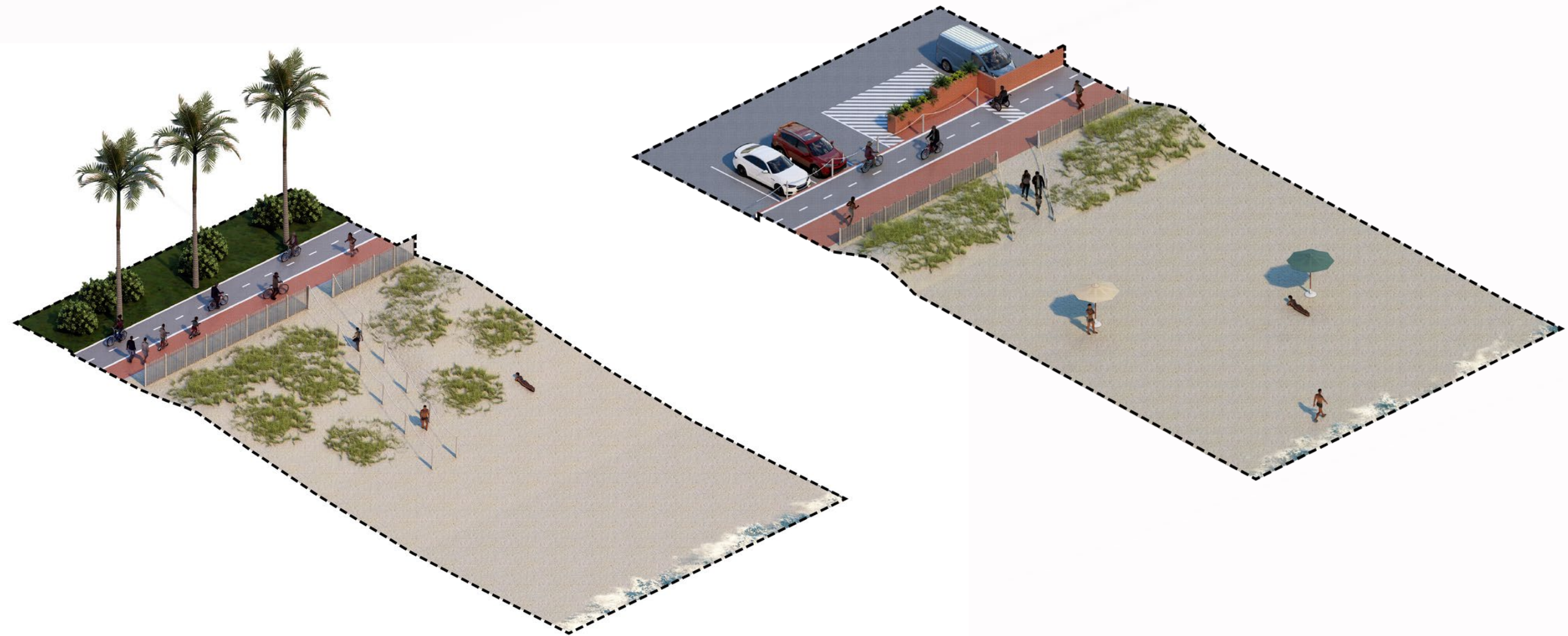


# Ocean Beach - Beachfront



## Key Features

- Vegetated dune with native plantings
- Multi-use path to connect San Diego River Trail, Dog Beach and Pier
- Beach accessways through the dune at key points
- No change to parking



# Sunset Cliffs



**FIGURE 25 - Computer Simulation of Potential Improvements:**  
*Parking redesigned, coastal trail created and park revegetated.*



## Key Features

- Parking lot realignment
- Trail realignment and/or enhancements
- New multi-use path with reconfigured roadway
- Native plantings
- Drainage improvements
- Enhanced safety for pedestrians and cyclists
- Considerations for mobility improvements

# Sunset Cliffs North - Draft Project Concept

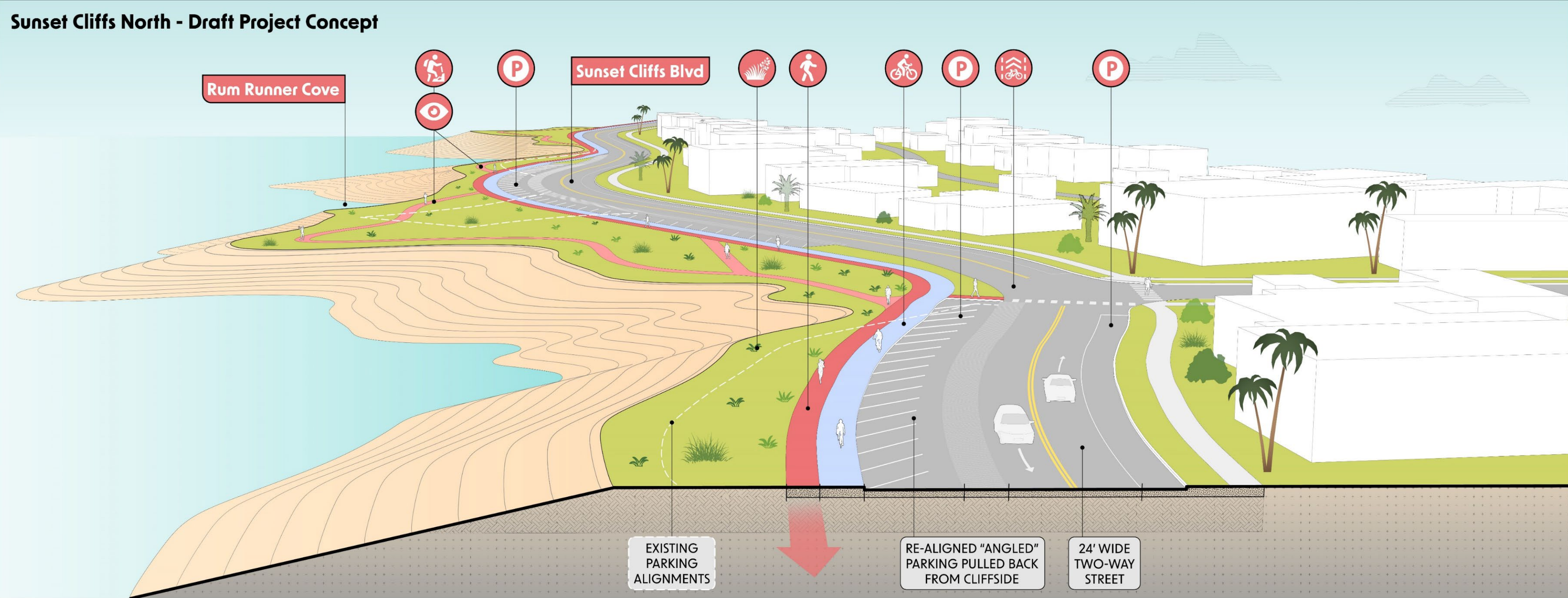
Rum Runner Cove

Sunset Cliffs Blvd

EXISTING  
PARKING  
ALIGNMENTS

RE-ALIGNED "ANGLED"  
PARKING PULLED BACK  
FROM CLIFFSIDE

24' WIDE  
TWO-WAY  
STREET

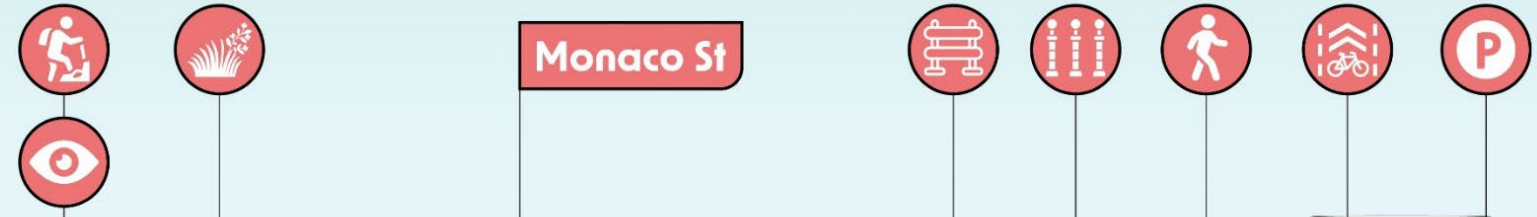


# Sunset Cliffs South - Draft Project Concept

Swordfish Point

Monaco St

Sunset Cliffs Blvd

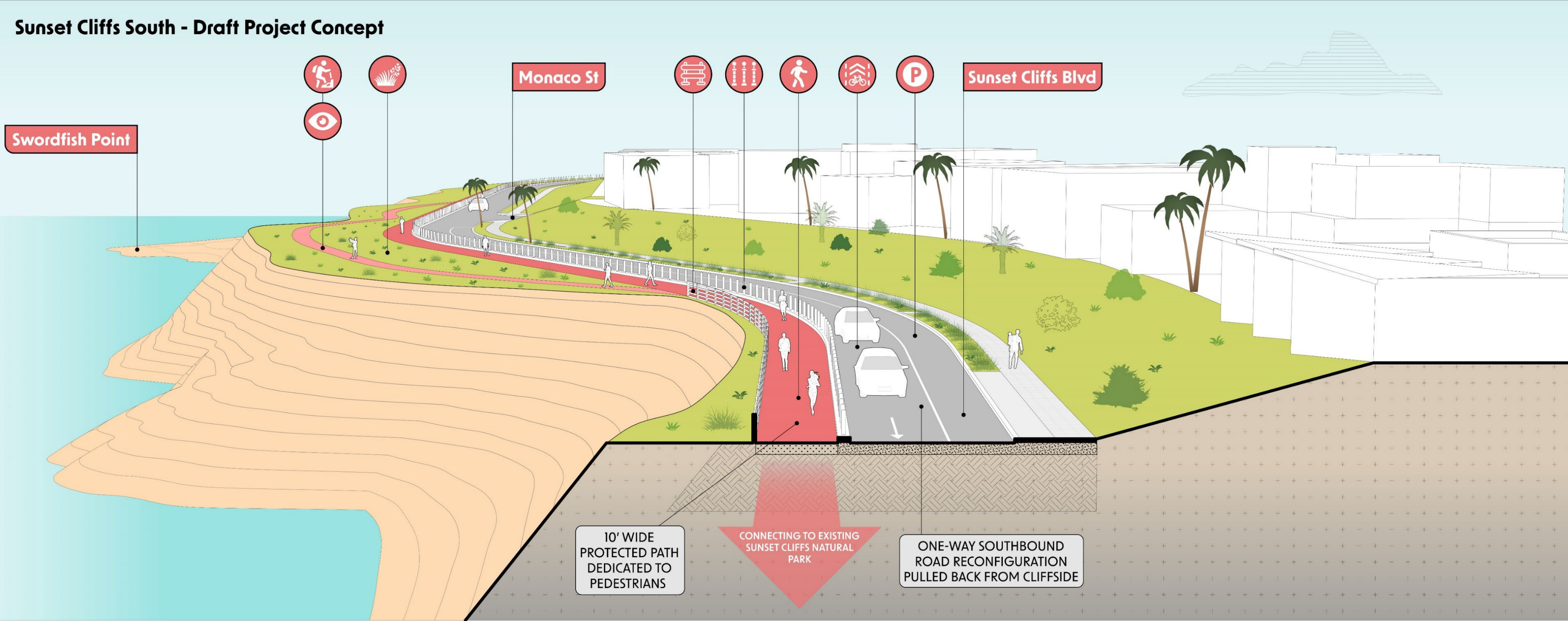


10' WIDE PROTECTED PATH DEDICATED TO PEDESTRIANS



CONNECTING TO EXISTING SUNSET CLIFFS NATURAL PARK

ONE-WAY SOUTHBOUND ROAD RECONFIGURATION PULLED BACK FROM CLIFFSIDE





# Community Engagement

**Spring  
2024**

Online survey

Community pop-up events

**Summer  
2024**

Community Workshops

Stakeholder Advisory Committee

Tribal coordination

**Fall  
2024**

Release draft plan & PEIR

Community webinar

CPC Info Presentation

Community pop-up events

Stakeholder Advisory Committee

Tribal coordination



# Community Feedback Themes

Safety

Parking

Coastal Access

Recreation

Education & Art

Native Planting

Stormwater Improvements

Continued engagement



# Next Steps

## November 2024

Draft Plan & PEIR for public review  
Community webinar and pop-up(s)

## Winter 2024-2025

Public review period

## Early 2025

Updates to draft plan & PEIR based  
on public feedback

## Spring 2025

Proceed through public hearing  
process



# Q & A





# Breakout Rooms

# Next Steps

Nature-based  
solution concept  
designs

Environmental  
Analysis (PEIR)

Technical Studies

Pilot Project  
Designs

Additional  
Environmental Analysis

Community & Stakeholder Engagement

Tribal Coordination

# Next Steps

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# Plan Organization

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What is the Coastal Resilience Master Plan?



Draft project concepts for each site



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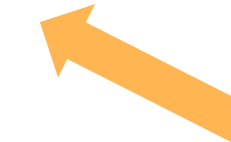
## Appendices

- Appendix A: Coastal Resilience Master Plan Phase 1: Prioritizing Nature-Based Solution Pilots and Site Profiles
- Appendix B: Public Engagement Plan
- Appendix C: Community and Stakeholder Engagement Summaries

How sites were selected and more detailed description of each project site



Summary of feedback from community pop-ups, online survey, and workshops



# How to Provide Feedback

## **This Webinar**

Feedback from webinar will be incorporated into draft plan.

## **Online Feedback Form**

Fill out online feedback form for one (or all!) project sites.

## **By Email**

Send comments or questions to [ClimateResilientSD@sandiego.gov](mailto:ClimateResilientSD@sandiego.gov).