



CAPISTRANO BEACH PARK MASTER PLAN

PUBLIC WORKSHOP 2 – FEBRUARY 26TH, 2020



Welcome

Supervisor Lisa Bartlett
5th District



County of Orange
Board of Supervisors

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 2 – February 26, 2020





Our Vision

Champions of the Land for a Thriving
Community

Our Mission:

We Preserve and Enhance OC Parks'
Natural and Cultural Resources for Recreation,
Education and Exploration.

Core Values:

Community
Commitment to Excellence
Service
Stewardship

Why Are We Here Tonight?

- **Share** community input received to date
- **Understand** the general approach to design alternatives
- **Share** three potential design solutions
- **Gather** your feedback on potential solutions



Project Team



moffatt & nichol

CAPISTRANO BEACH PARK MASTER PLAN

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- Master Plan Process Review
- What We've Heard So Far
- Phased Adaptation
- Three Alternatives for Capistrano Beach
- Community Input
- Next Steps and Adjournment

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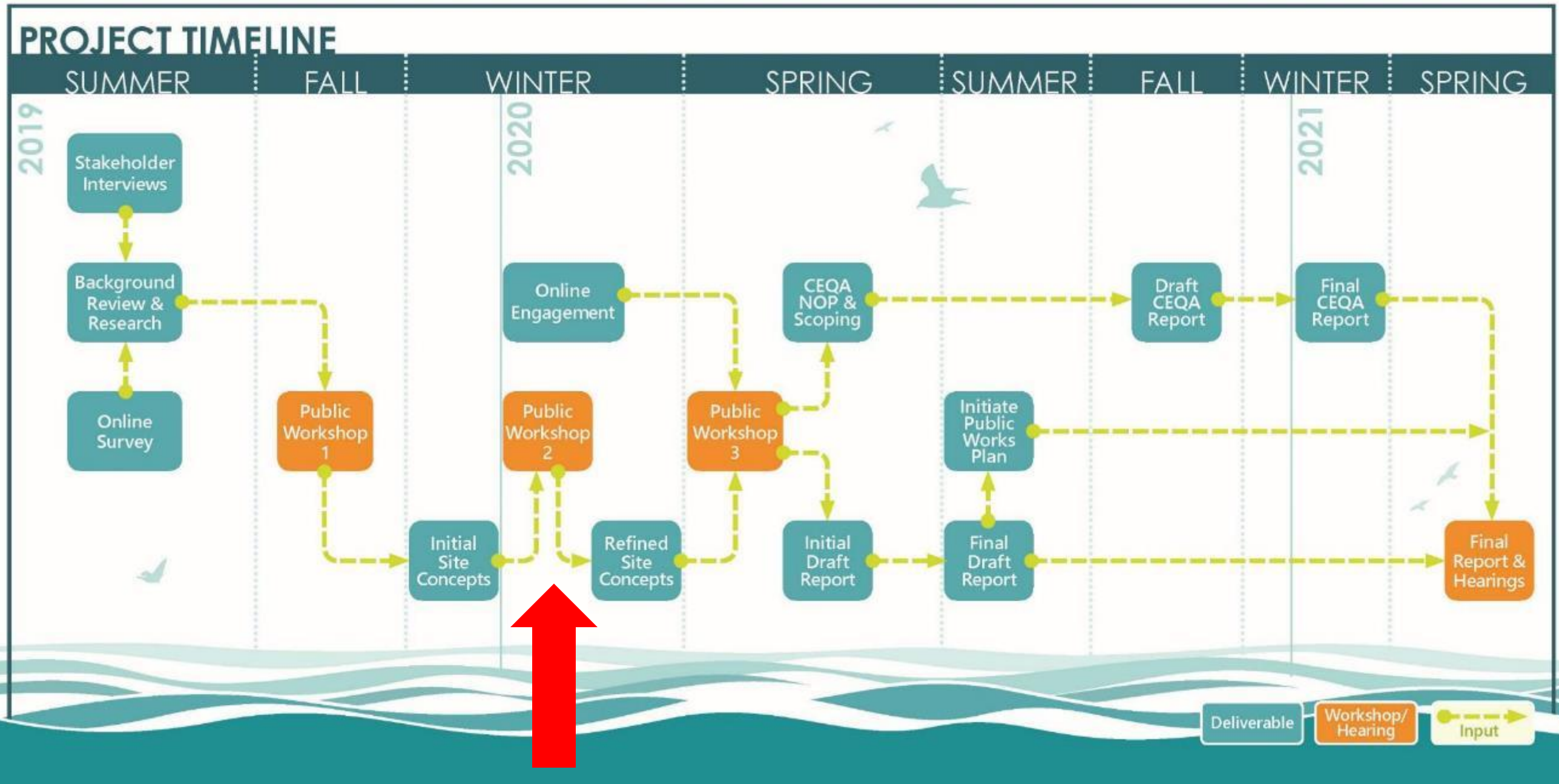
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What We've Heard So Far

OC Parks has received feedback from:

- Stakeholder agencies and community groups
- Participants in the online survey
- Attendees of Public Workshop 1



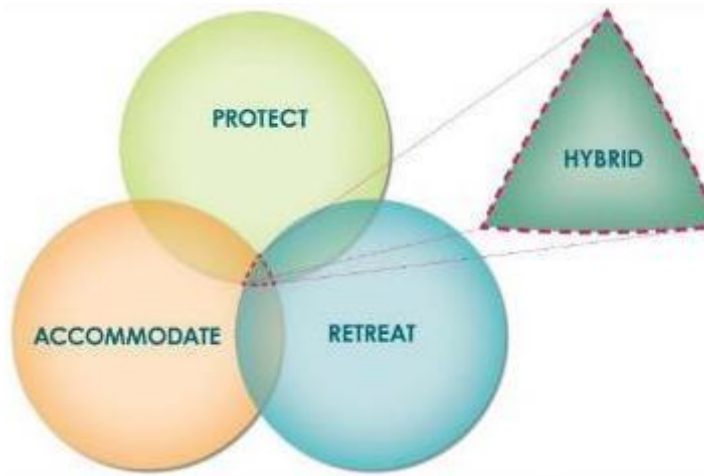
What We've Heard So Far

Stakeholder Agencies and Community Groups

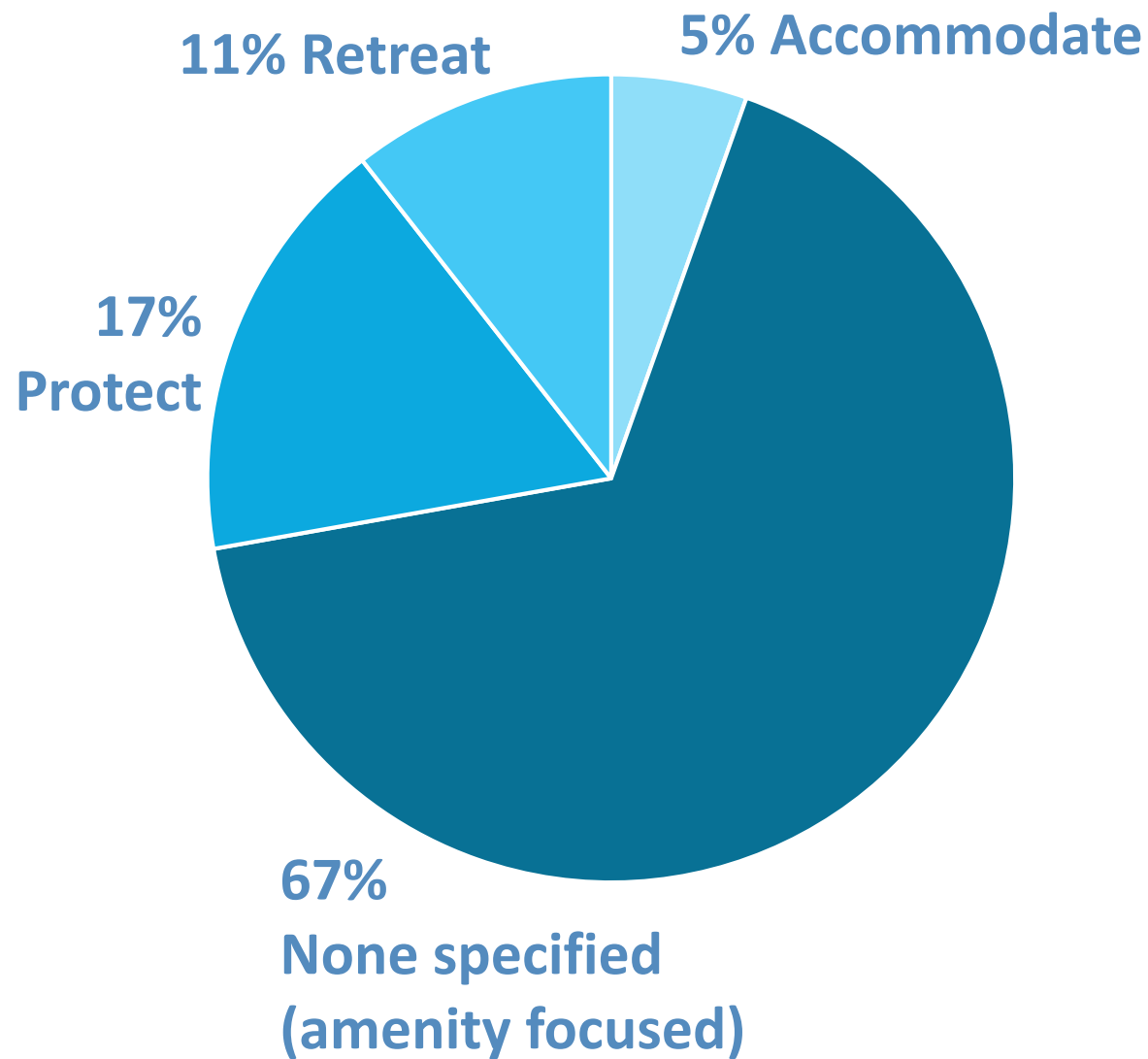
- Capistrano Beach is important to the local community
 - Connection to Doheny Beach
 - Beach erosion – protection of adjacent infrastructure
 - Regulatory requirements will influence solutions
- Army Corps of Engineers
 - California Coastal Commission
 - Capo Bay District
 - Capo Cares
 - City of Dana Point
 - Coast Walk
 - Doheny State Beach
 - MetroLink
 - OC Bike Coalition
 - OC Flood Control
 - OC Lifeguards
 - State Coastal Conservancy
 - Surfrider Foundation

What We've Heard So Far

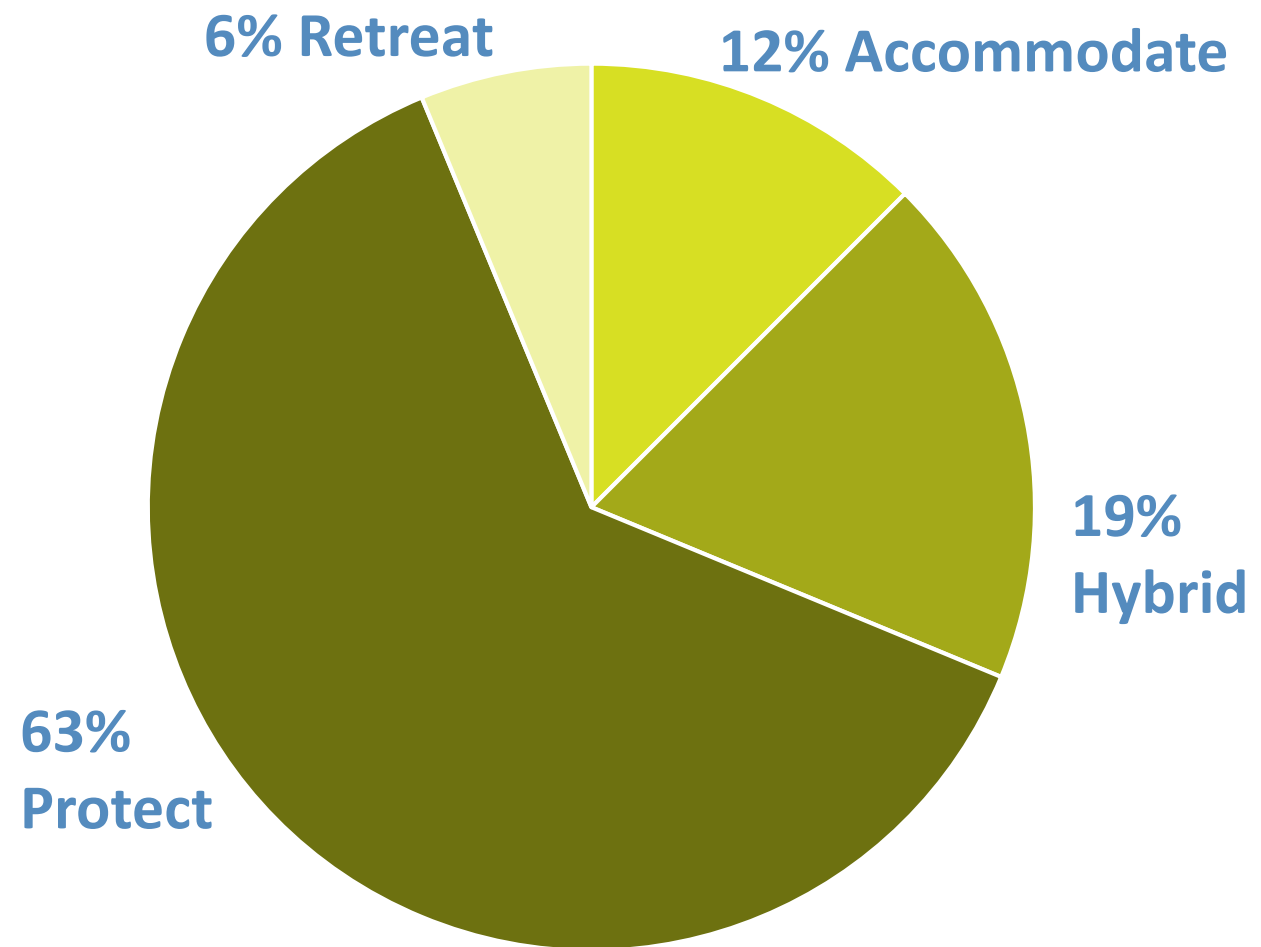
Adaptation Strategy



Online Survey



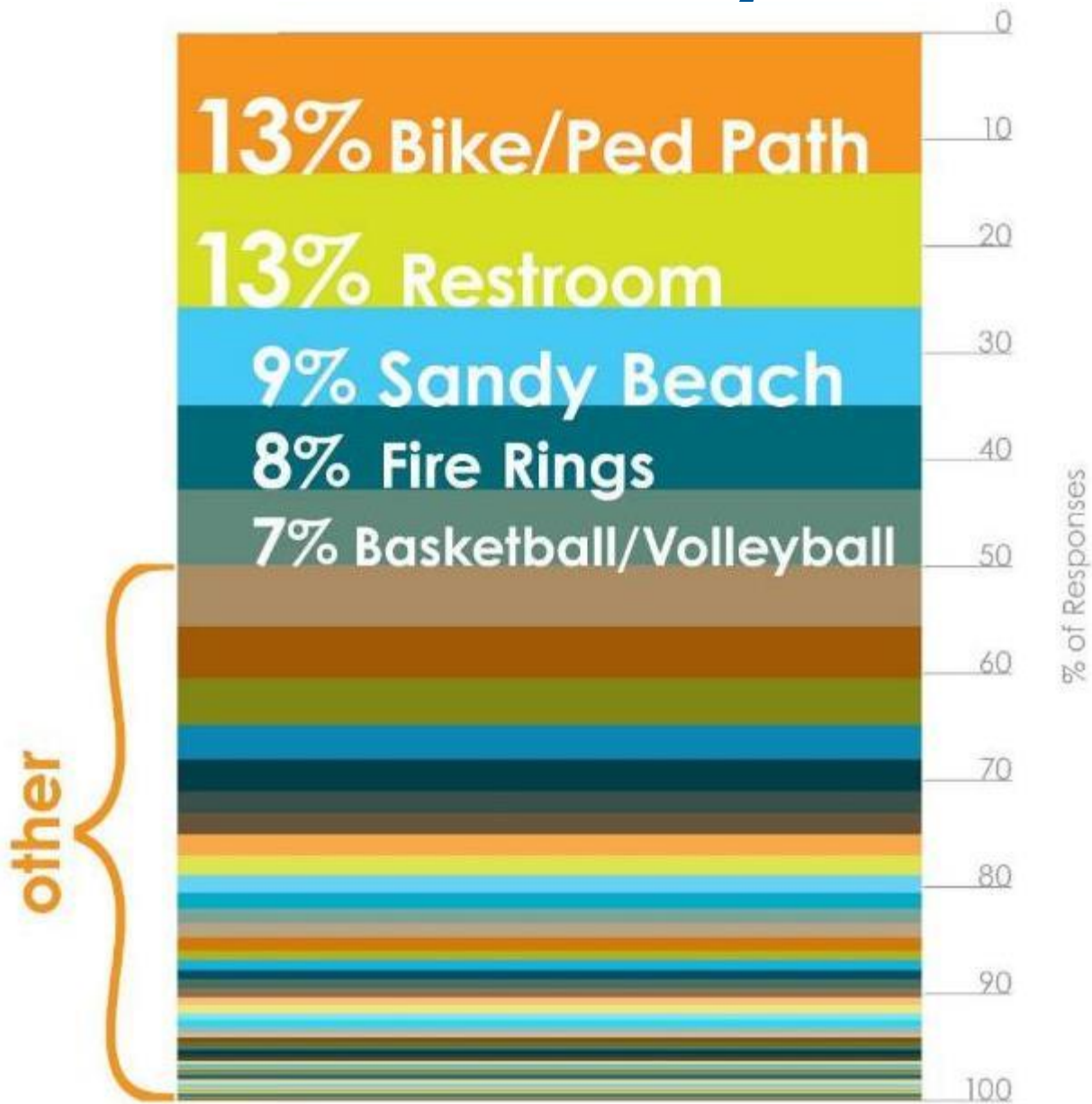
Public Workshop #1



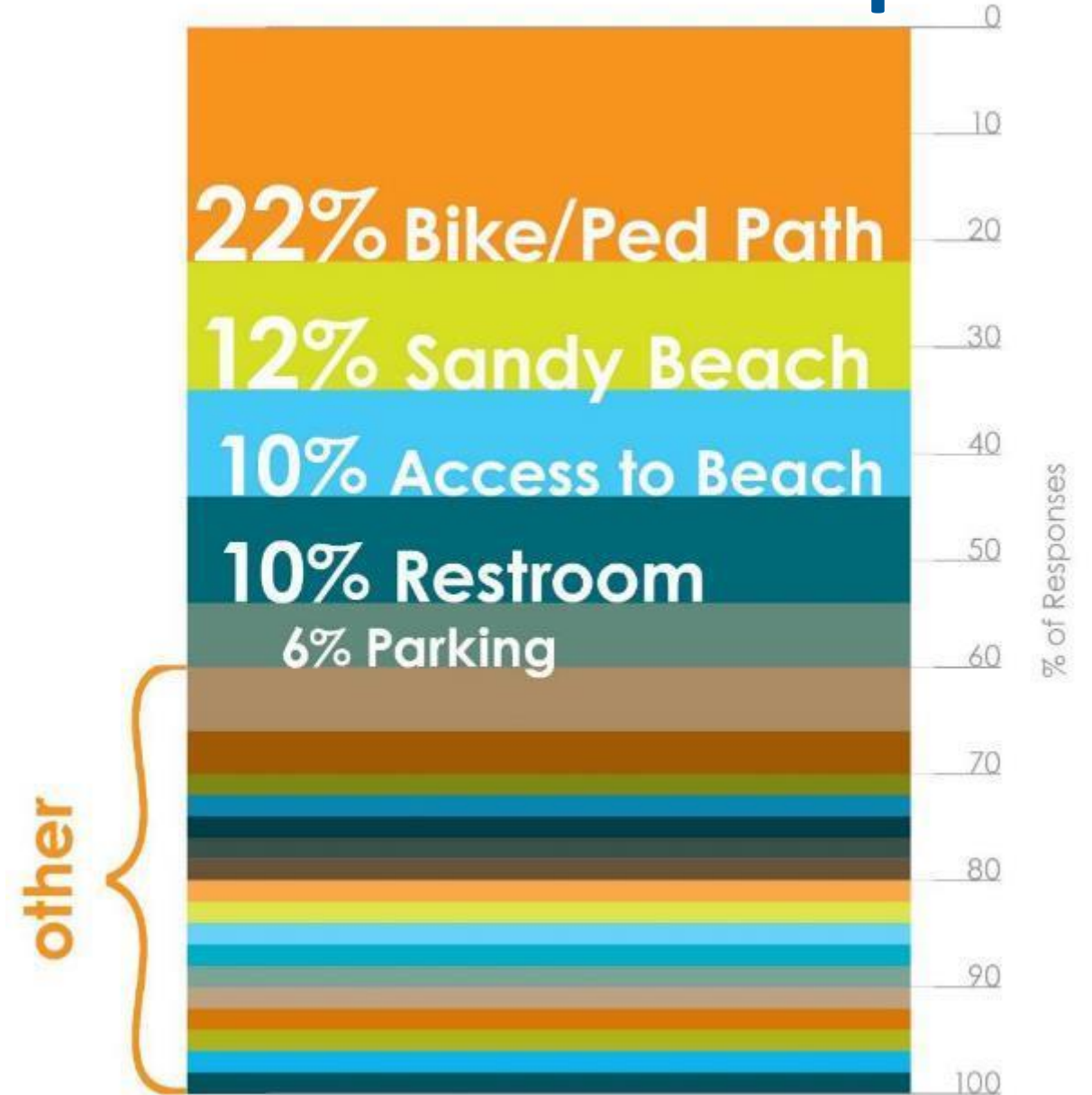
What We've Heard So Far

Top Five Amenities

Online Survey:



Public Workshop #1:



What We've Heard So Far

Additional Themes

- **Coastal Access and Connectivity:**
 - Maintaining connection to bike path is important
- **Coastal Culture:**
 - Activities centered on the ocean and sandy beach are valued
- **Coastal Hazards and Adaptation:**
 - Recognition that changes are occurring
 - Desire for regional solutions that allow continued use

+Beach Nourishment

+Living Shoreline

+Retreat

+Groins

+Nearshore Reef

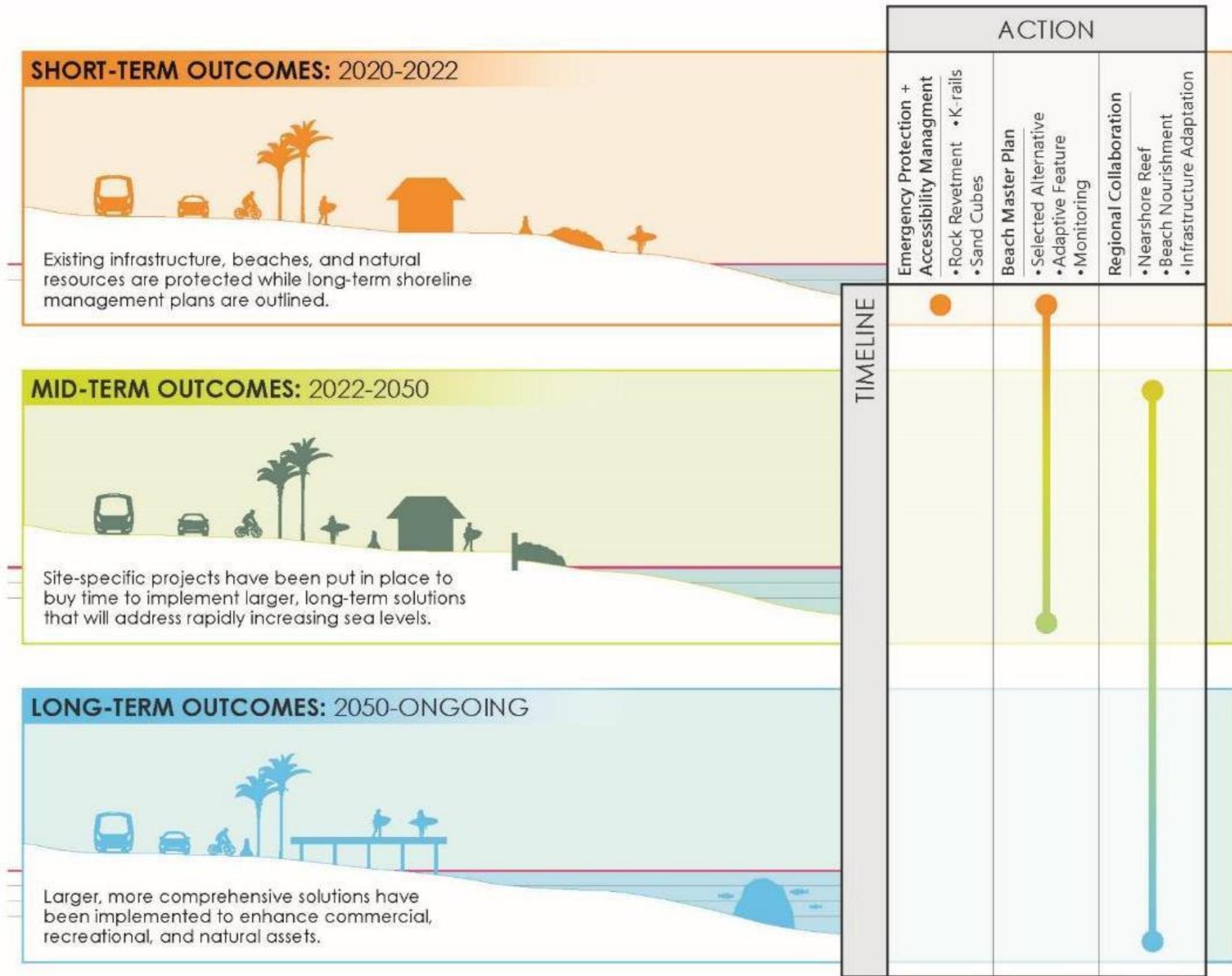
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Phased Adaptation at Capistrano Beach Can Ensure Continued Public Coastal Access



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Actions for Short-term Outcomes

Maintenance

- K-rail placement
- Removal of debris
- Signage

Emergency Protection

- Sand Cubes
- Rock Revetment

SHORT-TERM OUTCOMES: 2020-2022



Existing infrastructure, beaches, and natural resources are protected while long-term shoreline management plans are outlined.

Actions for Mid-term Outcomes

Plan for 20-30 year lifespan

- Flexible design that can adapt over time

Incorporate community input

- Balance needs and desires

Assess Feasibility

- Comply with regulatory requirements and budget considerations

MID-TERM OUTCOMES: 2022-2050



Site-specific projects have been put in place to buy time to implement larger, long-term solutions that will address rapidly increasing sea levels.

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Actions for Long-term Outcomes

Participate in regional efforts

- Work with other stakeholder agencies in the littoral cell

Develop region-wide solutions

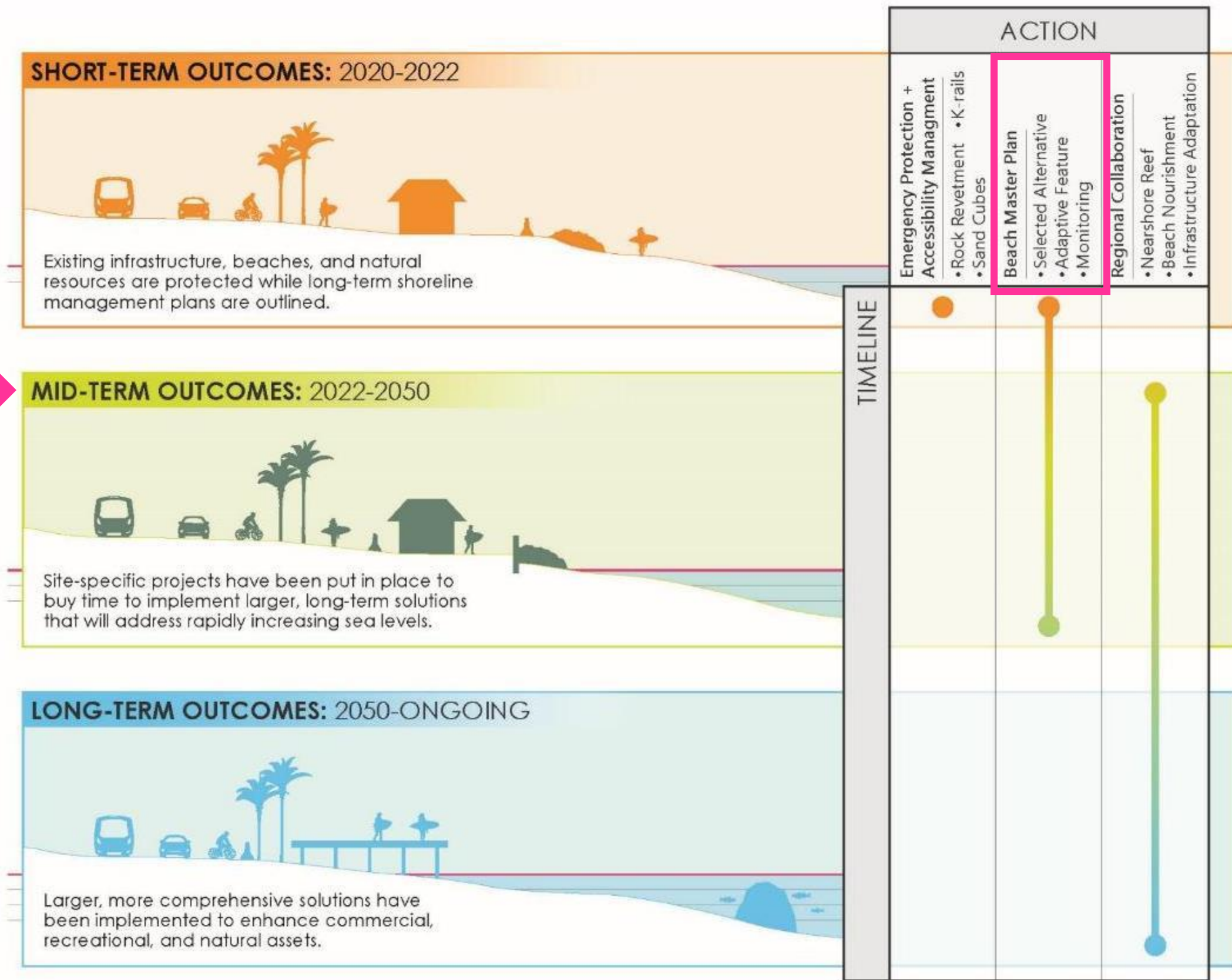
- Consider beach nourishment, nearshore reef, groin system, selective retreat
- Adaptation of infrastructure (utilities, rail, Coast Highway, etc.)

LONG-TERM OUTCOMES: 2050-ONGOING



Larger, more comprehensive solutions have been implemented to enhance commercial, recreational, and natural assets.

Phased Adaptation at Capistrano Beach Can Ensure Continued Public Coastal Access



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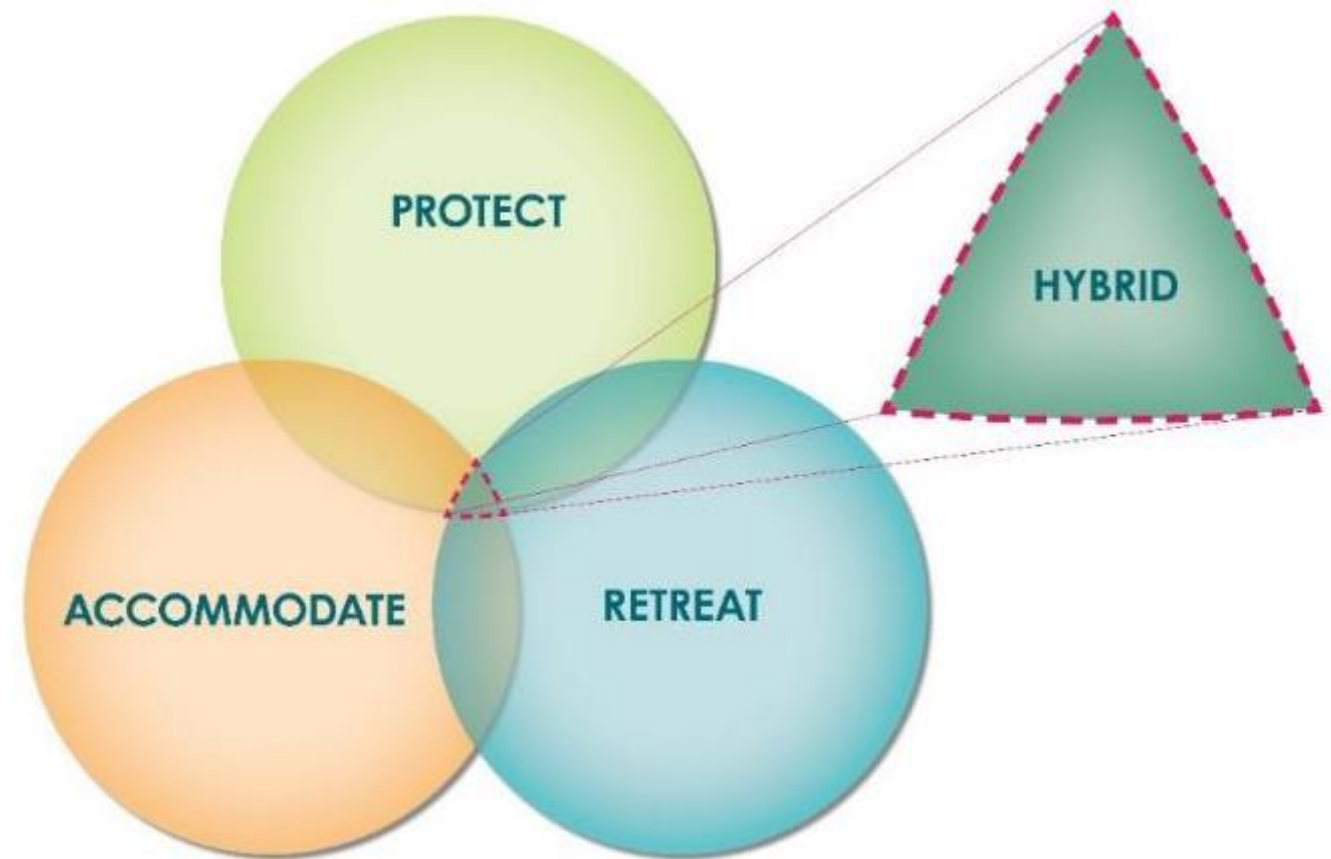
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Key Issues (Mid-Term)

-  Coastal Hazards and Climate Adaptation
-  Coastal Access and Regional Connectivity
-  Coastal Culture
-  Ecology
-  Infrastructure
-  Regulatory Requirements



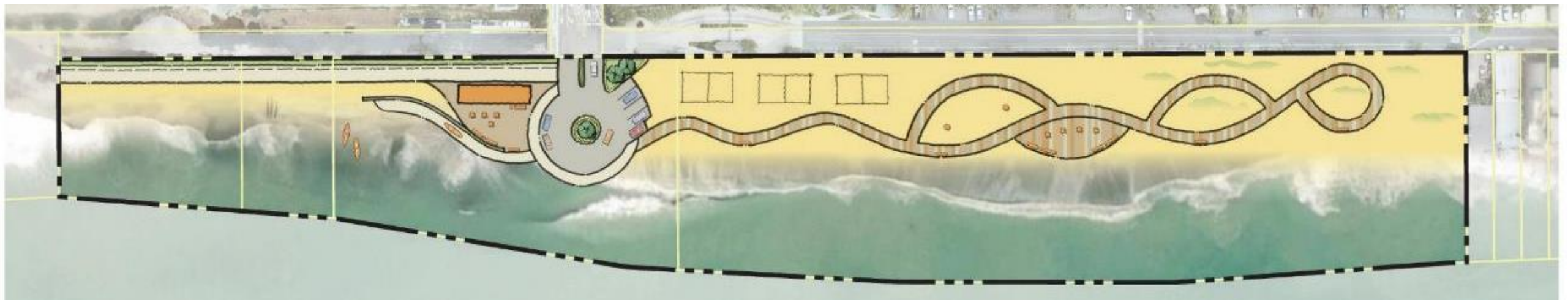
Adapted from diagram of "General Adaptation Strategies" as presented in *California Coastal Commission Sea Level Rise Policy Guidance* (2018)



Alternative 1: PROTECT



Alternative 2: HYBRID (Protect + Retreat)

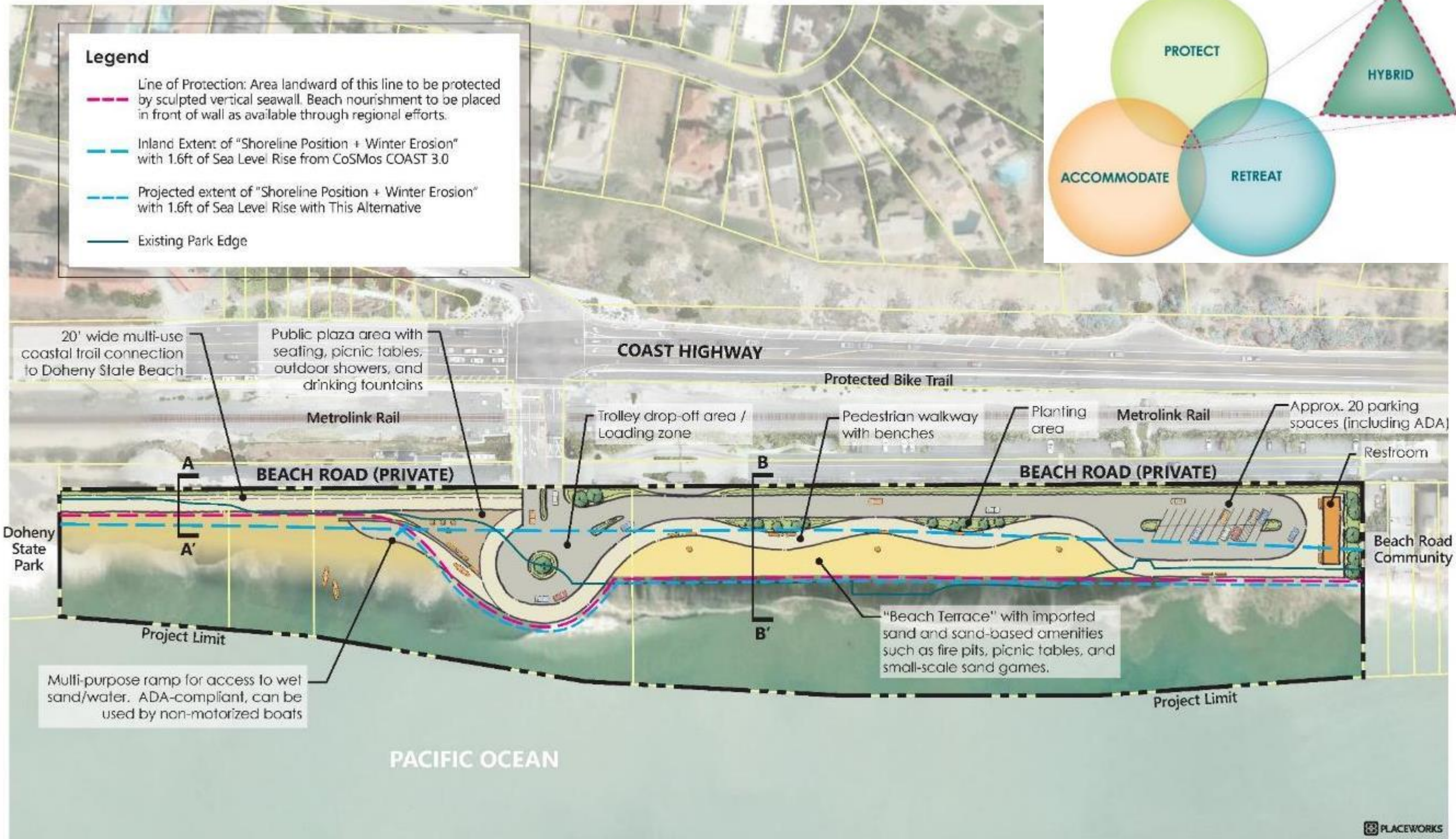


Alternative 3: HYBRID (Accommodate + Retreat)

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Alternative 1: PROTECT

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20' wide multi-use coastal trail connection to Doheny State Beach

Public plaza area with seating, picnic tables, outdoor showers, and drinking fountains

COAST HIGH

Metrolink Rail

Trolley drop-off or Loading zone

BEACH ROAD (PRIVATE)

A
A'

Doheny State Park

Project Limit

Multi-purpose ramp for access to wet sand/water. ADA-compliant, can be used by non-motorized boats

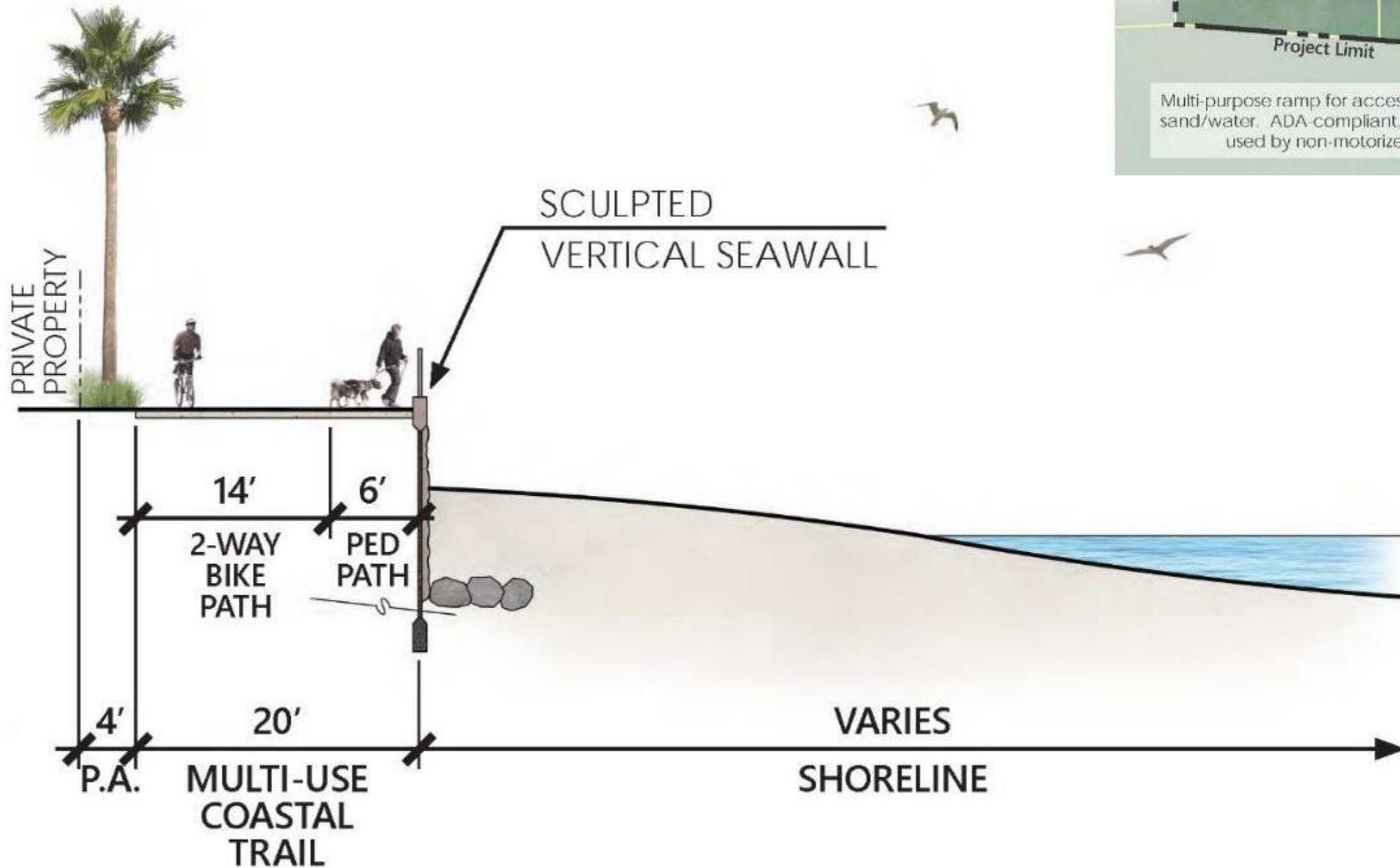
PACIFIC OCEAN

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Alternative 1



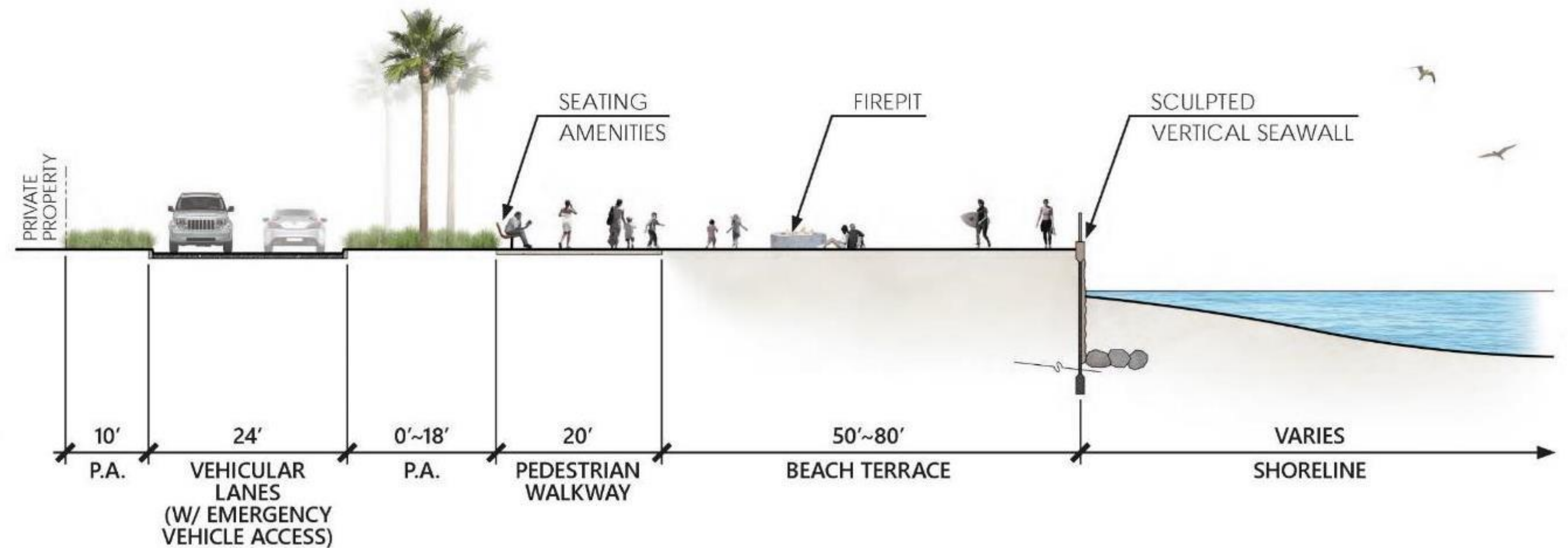
Section A-A'

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Alternative 1



Section B-B'

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Alternative 1: Sculpted Vertical Seawall

- Vertical wall; sculptural finish to mimic natural bluffs
- Amount of wall exposed will fluctuate with sand levels
- Adaptive Features:
 - Can raise height of wall to accommodate SLR
 - Compatible with potential regional measures, including beach nourishment



Pismo Beach



Solana Beach

Alternative 1: Summary of Key Issues

Key Issue	Topic	Alternative 1: Protect
Coastal Hazards and Climate Adaptation	Lifespan & Maintenance	Seawall has long lifespan. Overall, maintenance requirements are low.
	Flexibility	Can raise seawall to accommodate SLR
	Regional Strategies	Compatible w/ beach nourishment; Could benefit from other regional strategies
	Beach Erosion	Seawall can accelerate local wave scour & local loss of beach
Coastal Access	Beach & Water Access	Beach & water access only at ramp; Access to beach south of turnaround only at low tides
	Parking (approx. 85 spaces currently)	20 spaces (incl. ADA)

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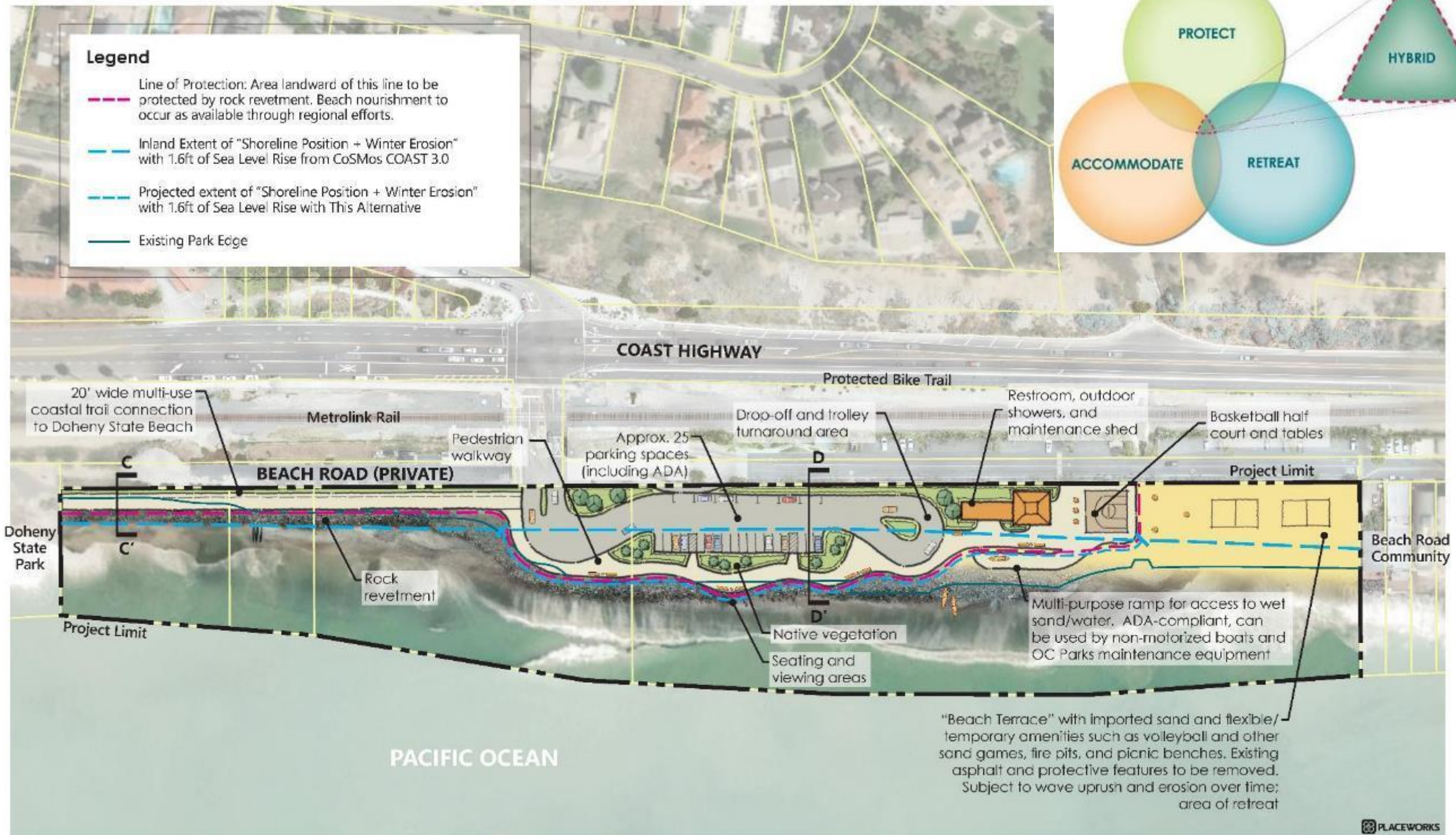
Alternative 1: Summary of Key Issues

Key Issue	Topic	Alternative 1: Protect
Coastal Culture	Area Protected for Amenities	Largest area
	Sandy Beach	Protected "beach terrace" has sand; Possible sand accumulation upcoast of turnaround, and seasonally in front of wall
Ecology	Habitat	Potential for intertidal habitat to be converted to subtidal habitat
Infrastructure	Landward Infrastructure Protection	Most protection
	Onsite Infrastructure/Amenities Protection	Most protection
Regulatory Requirements	Mitigation	Probably required
Relative Cost		High Range

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Alternative 2: HYBRID (Protect + Retreat)

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20' wide multi-use coastal trail connection to Doheny State Beach

Metrolink Rail

Pedestrian walkway

Approx. 25 parking spaces (including ADA)

BEACH ROAD (PRIVATE)

C

C'

Rock revetment

Doheny State Park

Project Limit

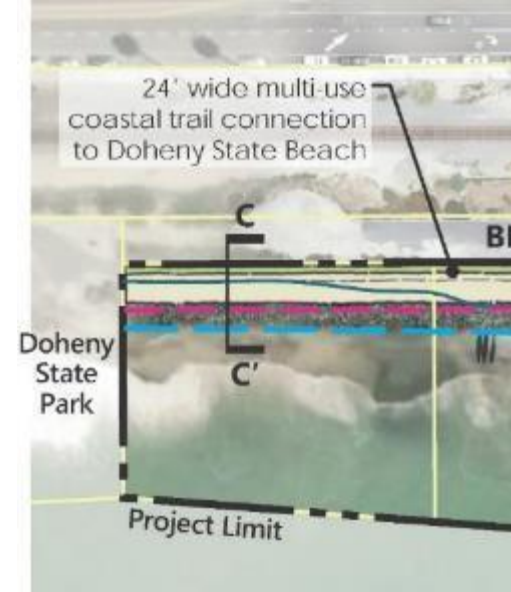
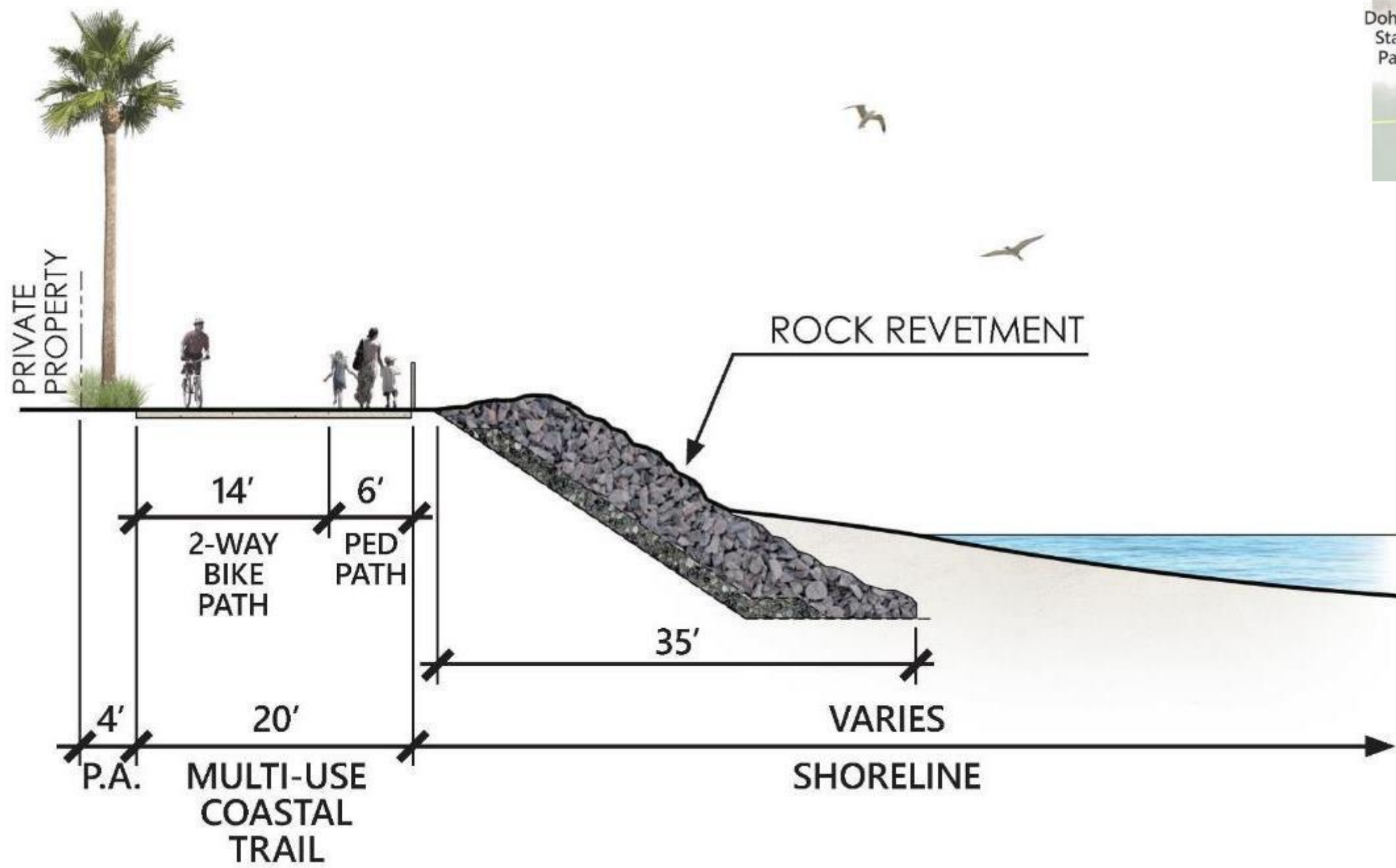
PACIFIC OCEAN

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Alternative 2



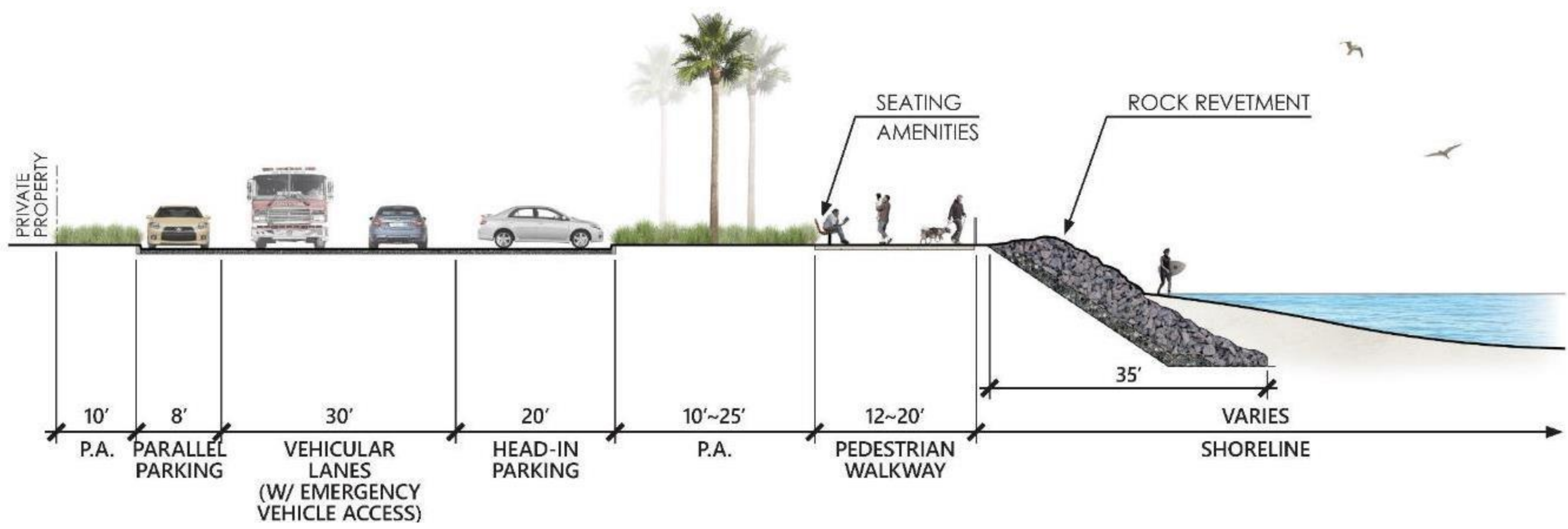
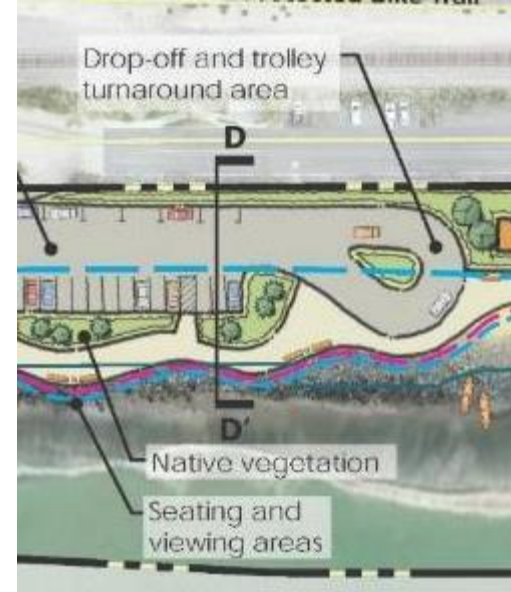
Section C-C'

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Alternative 2



Section D-D'

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Alternative 2: Rock Revetment

- Crest can be raised as needed for future SLR
- Amount of rock exposed will fluctuate with sand levels
- Adaptive Features:
 - Rocks can be re-positioned and/or removed as needed
 - K-rail can supplement protection during high tides and surf
 - Compatible with potential regional measures, including beach nourishment
 - A cobble berm/living shoreline approach could be implemented at unprotected area if needed



Doheny State Beach



Capistrano Beach

Alternative 2: Summary of Key Issues

Key Issue	Topic	Alternative 2: Hybrid (Protect+Retreat)
Coastal Hazards and Climate Adaptation	Lifespan & Maintenance	Rock revetment has long lifespan. Overall, maintenance requirements are medium.
	Flexibility	Can add rock on crest of revetment to accommodate SLR, but this will require a wider footprint on beach
	Regional Strategies	Compatible with beach nourishment; Could benefit from other regional strategies
	Beach Erosion	Erosion of unprotected area likely without regional protective strategy
Coastal Access	Beach & Water Access	Beach & water access at ramp & unprotected area
	Parking (approx. 85 spaces currently)	25 spaces (incl. ADA)

Alternative 2: Summary of Key Issues

Key Issue	Topic	Alternative 2: Hybrid (Protect+Retreat)
Coastal Culture	Area Protected for Amenities	Medium area
	Sandy Beach	Potential sandy beach at unprotected area; Possible sand accumulation upcoast of turnaround, and seasonally on top of rocks
Ecology	Habitat	Potential for sandy intertidal habitat to be converted to rocky intertidal habitat
Infrastructure	Landward Infrastructure Protection	Partial protection
	Onsite Infrastructure/Amenities Protection	Partial protection
Regulatory Requirements	Mitigation	Probably required
Relative Cost		Low Range

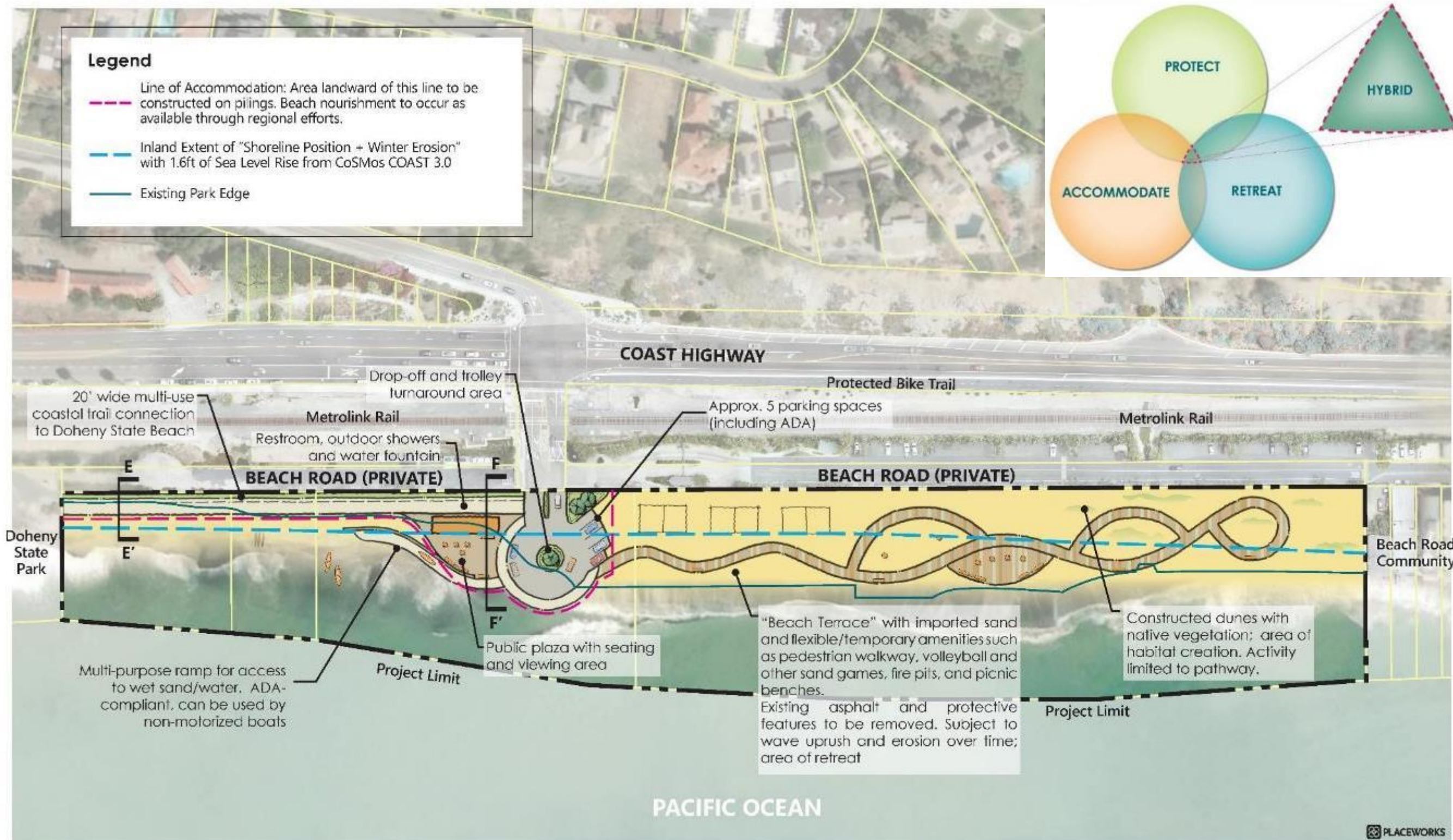
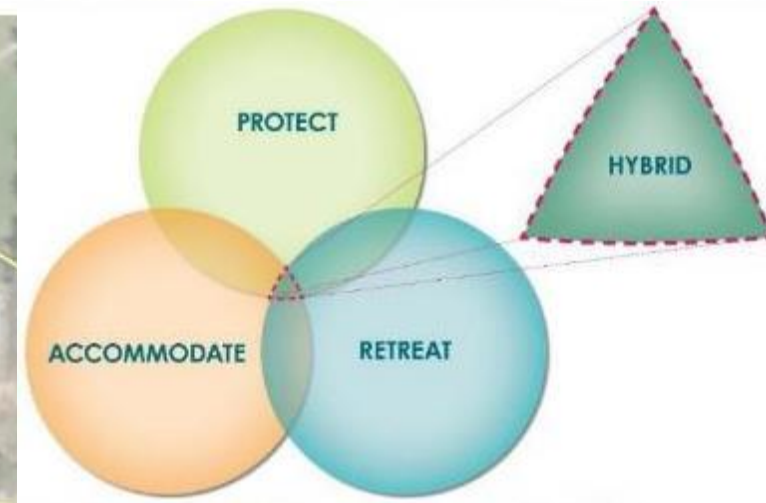
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Legend

- Line of Accommodation: Area landward of this line to be constructed on pilings. Beach nourishment to occur as available through regional efforts.
- Inland Extent of "Shoreline Position + Winter Erosion" with 1.6ft of Sea Level Rise from CoSMos COAST 3.0
- Existing Park Edge

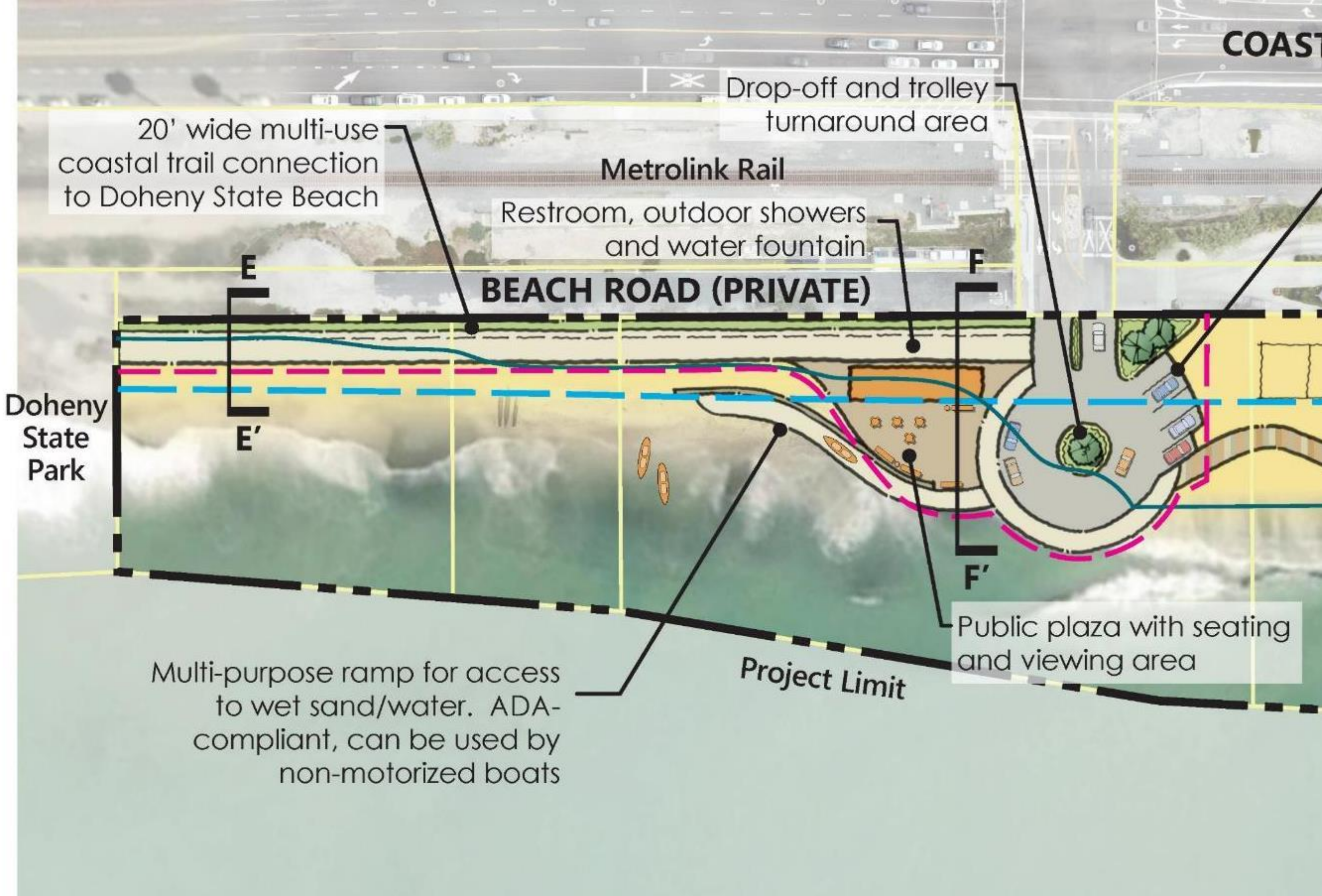


Alternative 3: HYBRID (Accommodate + Retreat)

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Public Workshop 2 – February 26, 2020





20' wide multi-use coastal trail connection to Doheny State Beach

Drop-off and trolley turnaround area

Metrolink Rail

Restroom, outdoor showers and water fountain

BEACH ROAD (PRIVATE)

Doheny State Park

E
E'

F
F'

Public plaza with seating and viewing area

Multi-purpose ramp for access to wet sand/water. ADA-compliant, can be used by non-motorized boats

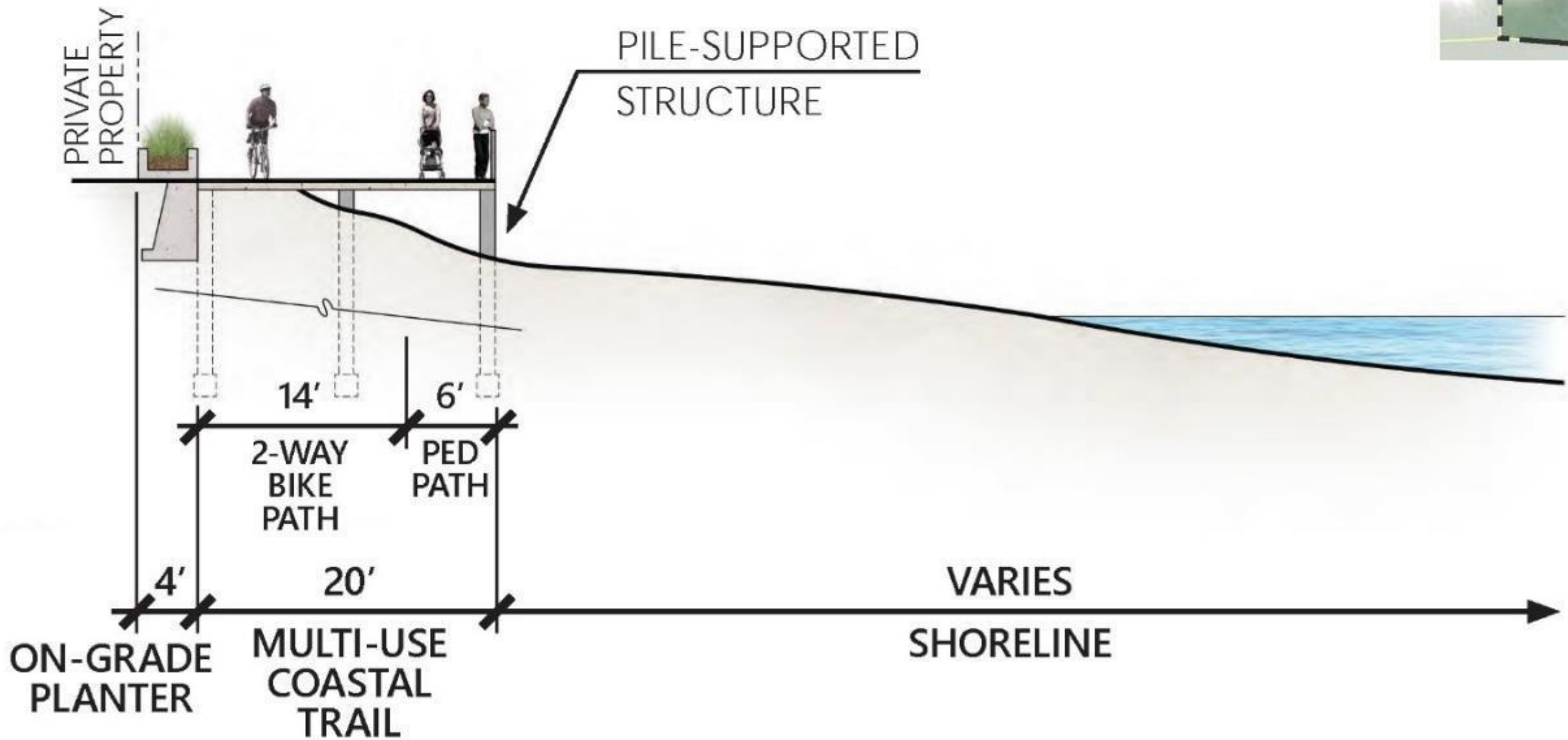
Project Limit

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Alternative 3



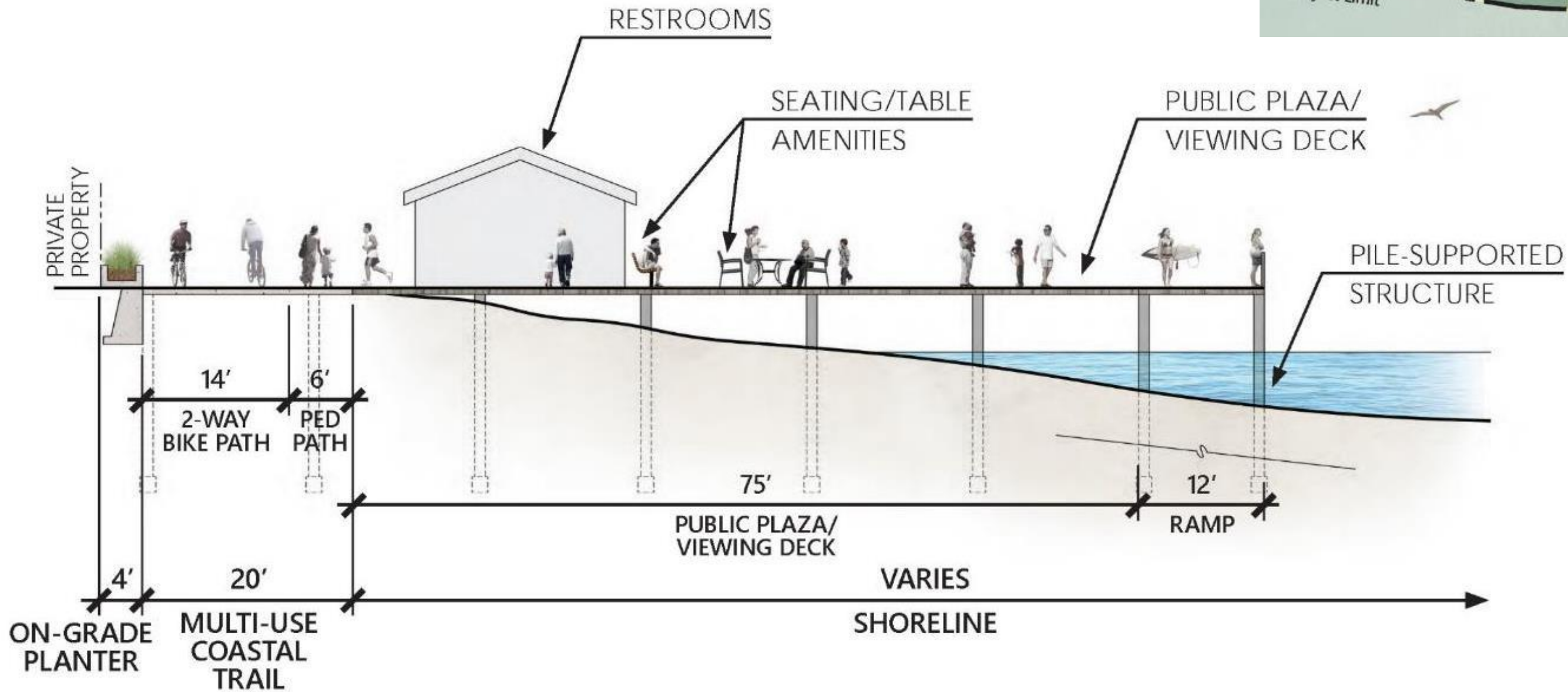
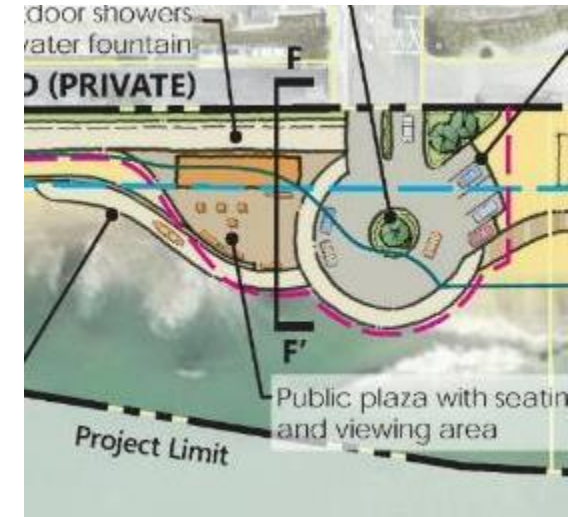
Section E-E'

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Alternative 3



Section E-E'

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Alternative 3: Pile-Supported Structure

- Accommodation strategy:
 - Pilings support turnaround, plaza, ADA ramp, and trail as shoreline erodes
- Adaptive Features:
 - Maintains access while allowing retreat over time
 - Compatible with potential regional measures, including beach nourishment
 - A cobble berm/living shoreline approach could be implemented at unprotected area if needed; amenities here can be removed/maintained as needed



Santa Monica



San Clemente

Alternative 3: Summary of Key Issues

Key Issue	Topic	Alternative 3: Hybrid (Accommodate+Retreat)
Coastal Hazards and Climate Adaptation	Lifespan & Maintenance	Pilings have long lifespan. Overall, maintenance requirements are medium to low.
	Flexibility	Pilings can be designed to accommodate SLR
	Regional Strategies	Compatible with beach nourishment; Could benefit from other regional strategies
	Beach Erosion	Pilings may contribute to beach build-up in some areas, but erosion is likely w/out regional protective strategy
Coastal Access	Beach & Water Access	Beach & water access at ramp & unprotected area
	Parking (approx. 85 spaces currently)	5 spaces (incl. ADA)

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Alternative 3: Summary of Key Issues

Key Issue	Topic	Alternative 3: Hybrid (Accommodate+Retreat)
Coastal Culture	Area Protected for Amenities	Smallest area
	Sandy Beach	Potential sandy beach at unprotected area; Potential for sandy beach at area around pilings
Ecology	Habitat	Tidal habit will migrate landward over time
Infrastructure	Landward Infrastructure Protection	No protection
	Onsite Infrastructure/Amenities Protection	Partial protection
Regulatory Requirements	Mitigation	Possibly required
Relative Cost		High Range

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Public Workshop 2 – February 26, 2020



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Community Input

Individual Worksheets (20 minutes)

- Which alternative has the most elements that you like?
- Four specific questions about the alternative

Group Discussion (25 minutes)

- Groups based on alternative selected on individual worksheet
- Create two lists: elements you like as they are; changes you would make to improve the alternative

Report Back (15 minutes)

- 1 minute per table: most-liked element and top change to be made

Online

- Link to survey on project webpage

Ground Rules for Group Discussions

- Everyone's perspective is valued
- Listen to understand – not to debate
- Agree to disagree
- Share the space
- Refer to your experience



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Public Workshop 2 – February 26, 2020



Next Steps

- Gather additional input from online survey
- Develop a Single Concept
 - Input from this meeting
 - Input from online survey
 - Technical information
 - Regulatory information
- Final Meeting to Review Single Concept
 - Late spring

Capistrano Beach Park Master Plan Web Page

The screenshot shows the OC Parks website interface. At the top, there is a header with the OC Parks logo, the OCgov.com logo, and a search bar. Below the header is a navigation menu with links for Parks & Trails, Beaches, Historic Sites, OC Zoo, Reservations & Permits, About Us, and How Do I. The breadcrumb trail indicates the current location: OC Parks > Capistrano Beach > Masterplan. The main content area features a title 'Capistrano Beach Park Master Plan' with a 'Tweet' button and a 'Like 0' button. Below the title is a social media sharing bar with icons for Facebook, Twitter, YouTube, and RSS. The main content area also includes a sub-header 'Interim Enhancement Plan (Short-Term) and Master Plan (Long-Term)' and a large aerial photograph of the beach area. A 'PROJECT SUMMARY' section follows, providing details about the interim enhancement plan and the current master plan process.

CAPISTRANO BEACH

- » Capistrano Beach Home
- » Park Rules
- » Events & Programs
- » News
- » Masterplan

POPULAR

- Alerts
- Annual Passes
- OC Parks Commission Agendas
- Historical Commission Agendas
- Make a Reservation
- OC Fire Watch
- Archery Range
- Volunteer
- Email Signup
- ADA Mobility Devices
- OC Parks Fees
- Projects
- Work for OC Parks

RESOURCES

E-NEWS SIGNUP

Capistrano Beach Park Master Plan

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Interim Enhancement Plan (Short-Term) and Master Plan (Long-Term)

PROJECT SUMMARY

OC Parks completed a short-term Interim Enhancement Plan in Summer 2019. The plan included emergency repairs on a stretch of infrastructure damaged by erosion and helped restore public access to the beach.

OC Parks is currently initiating a Master Plan for the long-term vision of Capistrano Beach with resiliency, safety and accessibility in mind. Once that is underway, there will be a public process in which all public and stakeholder input is welcomed and encouraged. OC Parks will continue to post project status updates on this website. Please check back for further updates.

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THANK YOU

Project Information

<http://www.ocparks.com/beaches/capistrano/masterplan>

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