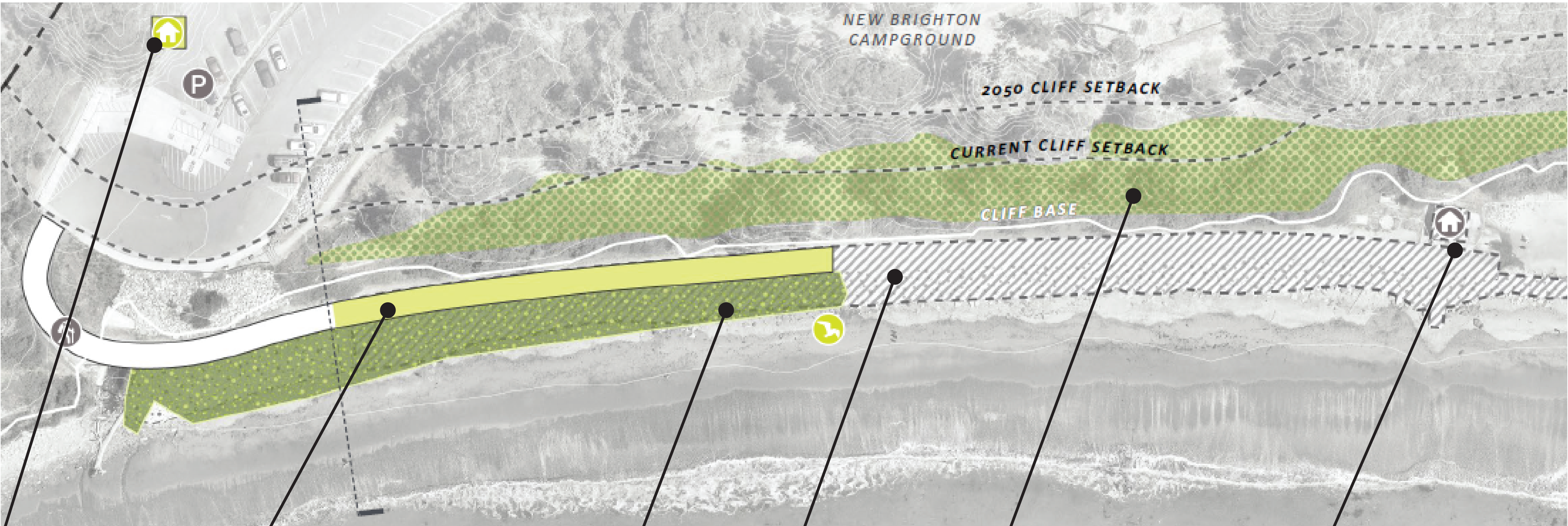


New Brighton State Beach



Hybrid Adaptation Theme: Recommended Preferred Actions



Relocate Restroom to Upper Parking Lot

Construct Consolidated, Fortified Ramp
Preserves pedestrian and vehicular access to the beach

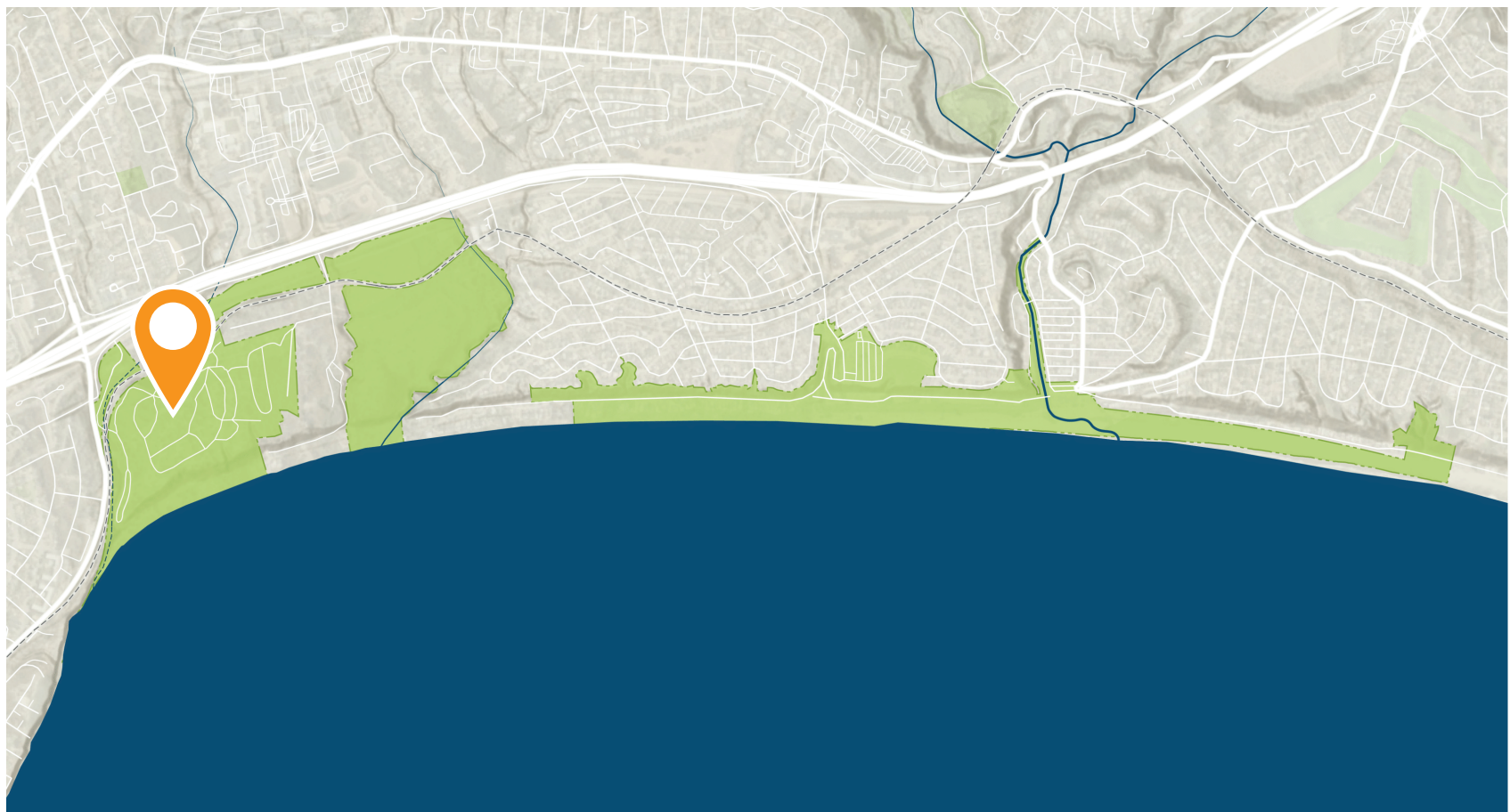
Replenish Rip-Rap

Remove Trail & Rip-Rap

Install Native Planting
Promotes erosion control on the cliff face

Remove Restroom
Relocate to the upper parking lot atop cliff

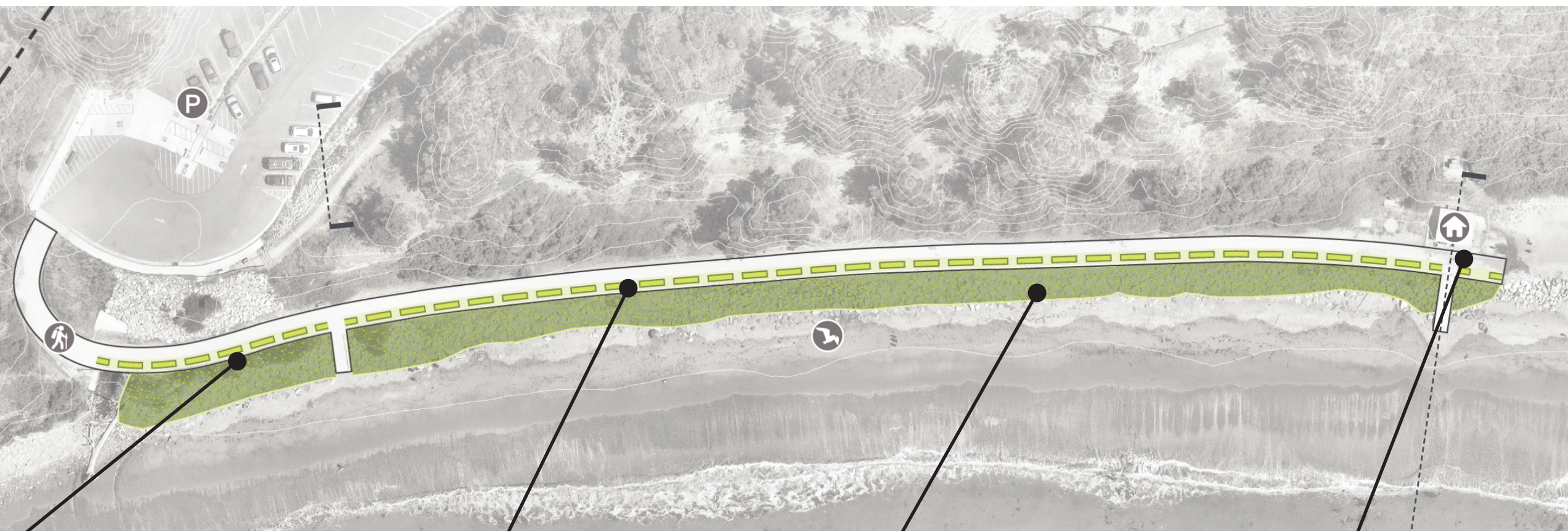
Site Location



Recommended preferred actions will:

- Convert trail area to beach space for recreation and habitat
- Maintain pedestrian and emergency vehicle access
- Relocate restroom to day-use area, removing it from coastal hazards

Fortify & Protect (Not recommended)



Strategy would:

- Accelerate beach erosion, reducing beach area for habitat and recreation
- Incur high costs
- Face permitting challenges

Install Seatblocks
Protect trail from wave action and beach erosion and provide a visitor amenity

Future Action:
Reconstruct trail with concrete and at higher elevation

Replenish Rip-Rap
Restack existing rip-rap and replace as needed

Future Action:
Reconstruct restroom and shower facility at higher elevation

Restore & Relocate (Not recommended)



Strategy would:

- Reduce access
- Convert trail area to beach space for recreation and habitat

Preserve Trail
Minimize trail footprint and preserve visitor access from upper lot to the beach

Future Action:
Replace trail with a compact staircase

Relocate Restroom to Cliff-top

Remove Trail & Rip-Rap
Remove vehicular access to the beach

Remove Restroom
Relocate to the upper parking lot atop the cliff

Seacliff State Beach RV Campground

Seacliff Resilience: Sea Level Rise
Vulnerability Assessment and Shoreline
Adaptation Alternatives Final Report



Hybrid Adaptation Theme: Recommended Preferred Actions



Remove RV Campground Area & Timber Seawall

Future Action:
Dunes will need to be supplemented and replanted in future

Install Vegetated Dune
Install with stabilized core or leading edge and pedestrian trail

Elevate Consolidated Parking & Restroom
Elevate above floodzone and repave with fortified concrete

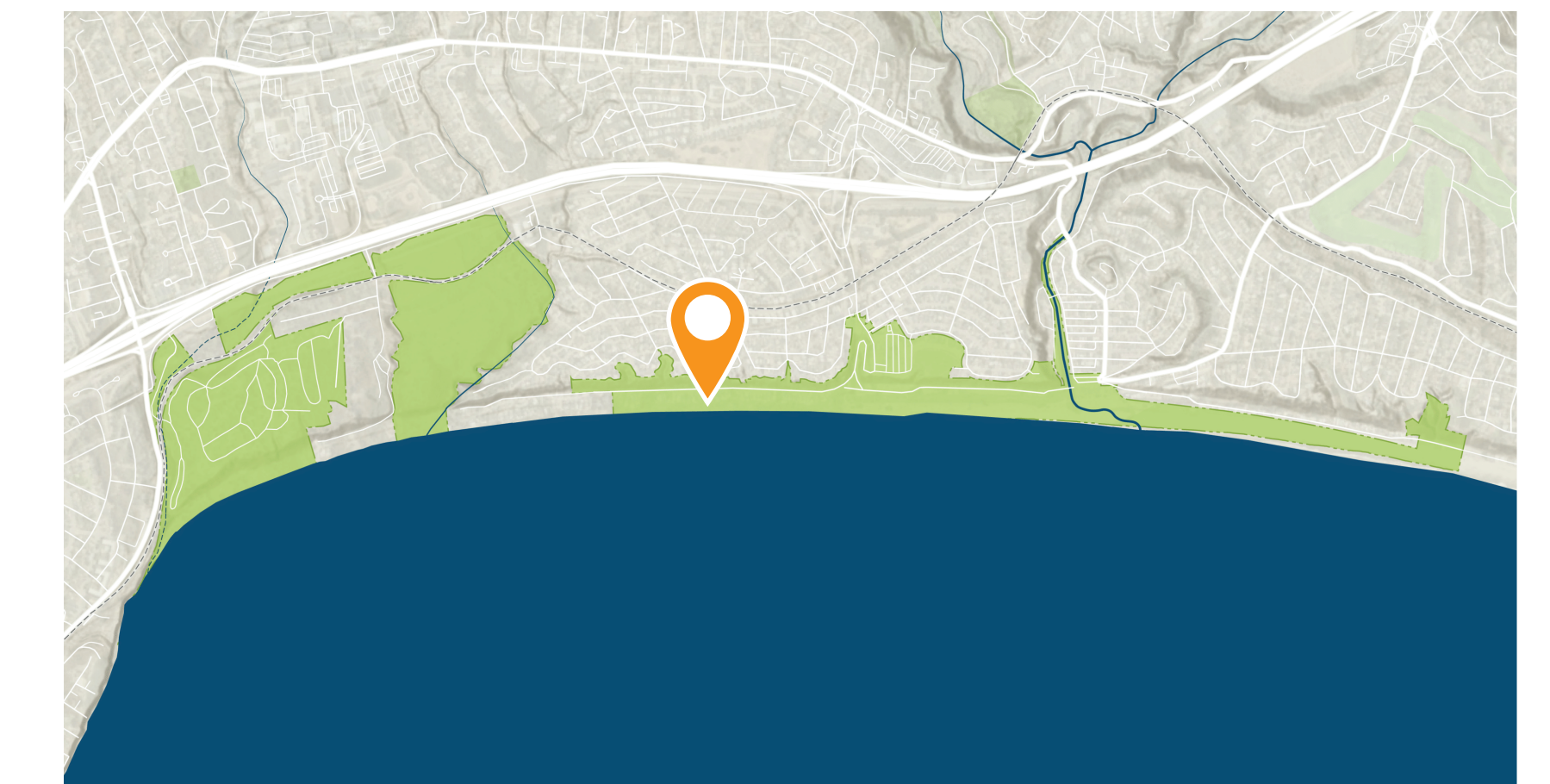
Future Action:
Replace seatblocks w/ contiguous concrete seawall

Replace Timber Seawall w/ Concrete Edge & Seatblocks

Recommended preferred actions will:

- Maintain public access along length of beach via pedestrian trail
- Establish native habitat, improving local biodiversity
- Increase beach width for recreation uses
- Require relocating RV campground recreational use

Site Location



Fortify & Protect (Not recommended)



Elevate Las Olas Dr, Parking Area, & Facilities
Elevate above the floodzone and repave with fortified concrete

Future Action:
Replace seatblocks with contiguous seatwall

Replace Timber Seatwall w/ Concrete Edge & Seatblocks

Replenish Rip-Rap
Restack existing rip-rap and replace as needed

Strategy would:

- Accelerate beach erosion, reducing beach area for habitat and recreation
- Be less adaptable over time, requiring costly maintenance and/or replacement
- Require significant upfront investment
- Present permitting challenges

Restore & Relocate (Not recommended)



Remove & Relocate Facilities
Remove damaged existing restroom & relocate to Seacliff Day-Use Area or upper lot

Gain Sandy Beach Habitat

Remove Parking & Timber Seawall

Future Action:
Remove all parking

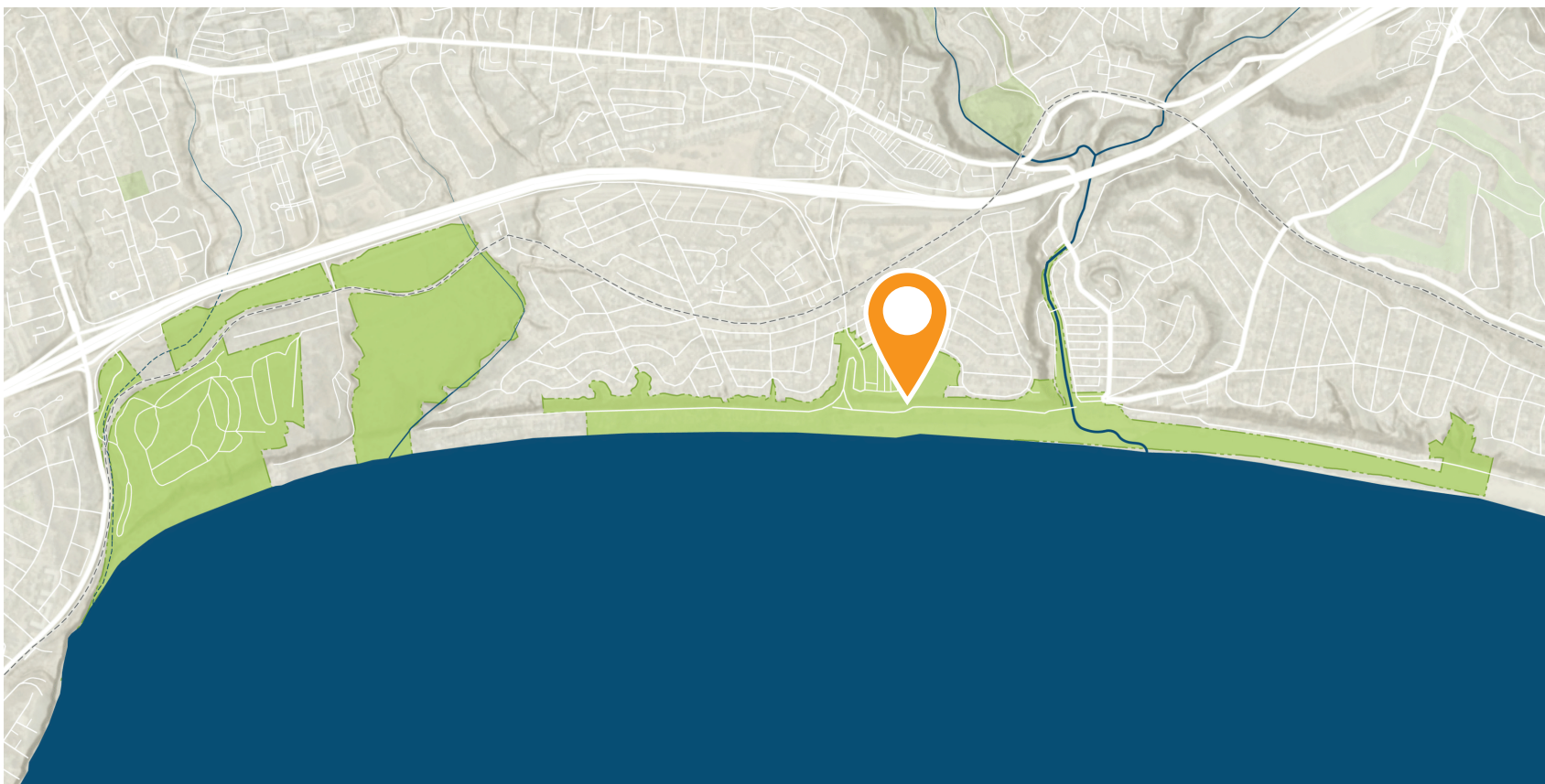
Strategy would:

- Reduce access
- Not support pedestrian trail
- Maximize beach space for public recreation

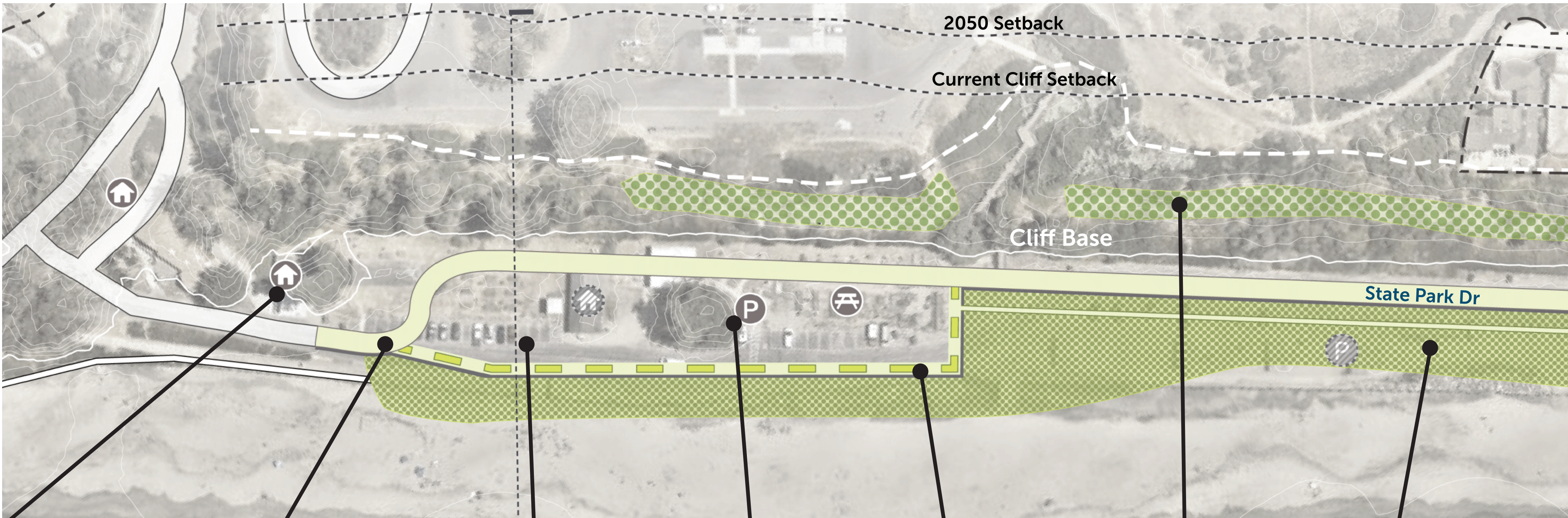
Seacliff State Beach Day-Use Area



Site Location



Hybrid Adaptation Theme: Recommended Preferred Actions



Future Action:

Consolidate restrooms and rebuild one elevated facility at western location

Setback Road Along Cliff Base

Retain multi-use trail w/ administrative vehicle access

Future Action:

Elevate consolidated parking and picnic areas

Consolidate Parking

Gain sandy beach habitat

Replace Timber Seawall w/ Concrete Edge & Seatblocks

Install Native Planting

Provides erosion control on cliff face

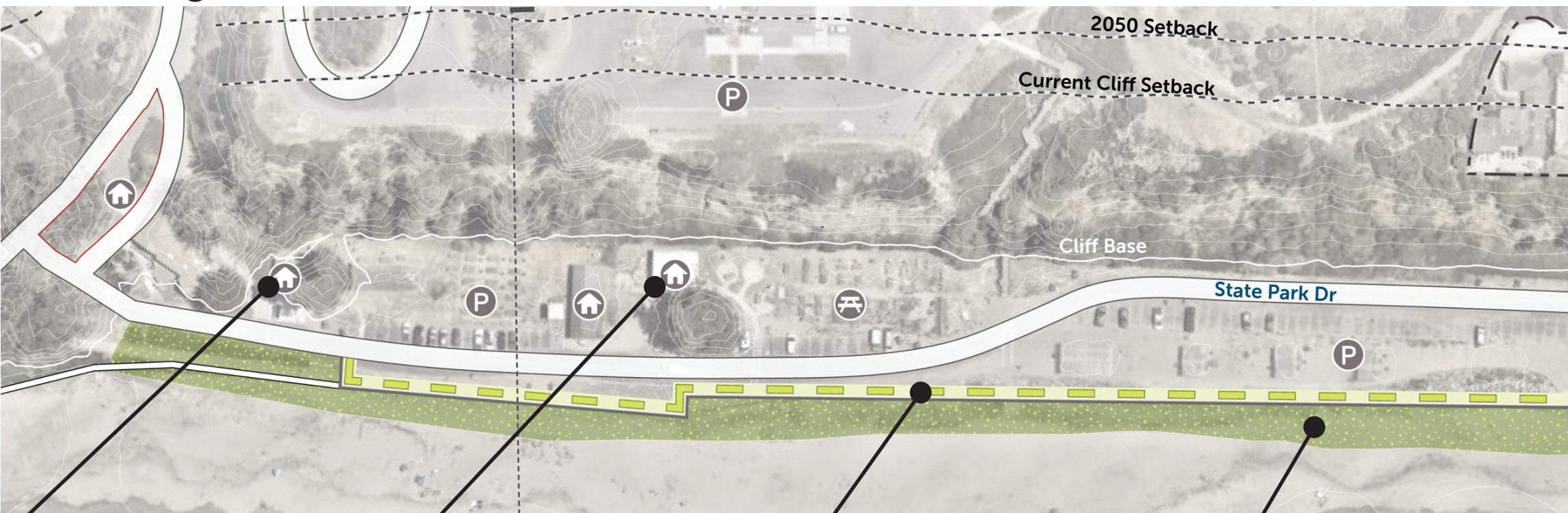
Install Vegetated Dunes

Install with stabilized core or leading edge and boardwalk trail

Recommended preferred actions will:

- Consolidate facilities in less vulnerable area
- Help restore native biodiversity
- Increase beach space for recreation and habitat
- Support picnicking & pedestrian trail
- Improve retention of beach by stepping back majority of the seawall

Fortify & Protect (Not recommended)



Future Action:

Rebuild elevated restroom and shower facilities

Future Action:

Elevate parking lot and picnic area

Replace Timber Seawall w/ Concrete Edge & Seatblocks

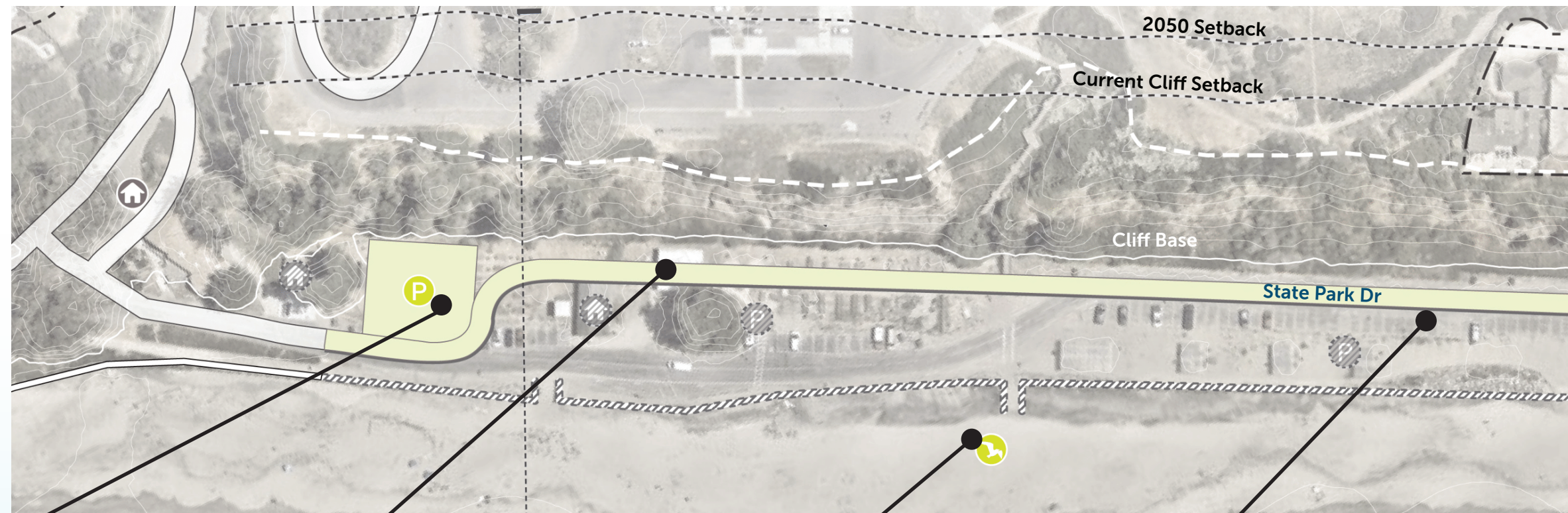
Replenish Rip-Rap

Restack existing rip-rap and replace as needed

Strategy would:

- Accelerate beach erosion, reducing beach area for habitat and recreation
- Be less adaptable over time, requiring costly maintenance and/or replacement
- Incur high costs
- Present permitting challenges

Restore & Relocate (Not recommended)



Consolidated Parking Area

Setback Road Along Cliff Base

Remove existing paving & construct a new road with concrete toe wall

Gain Sandy Beach Habitat

Reduce Parking, Picnic Area, Remove Timber Seawall

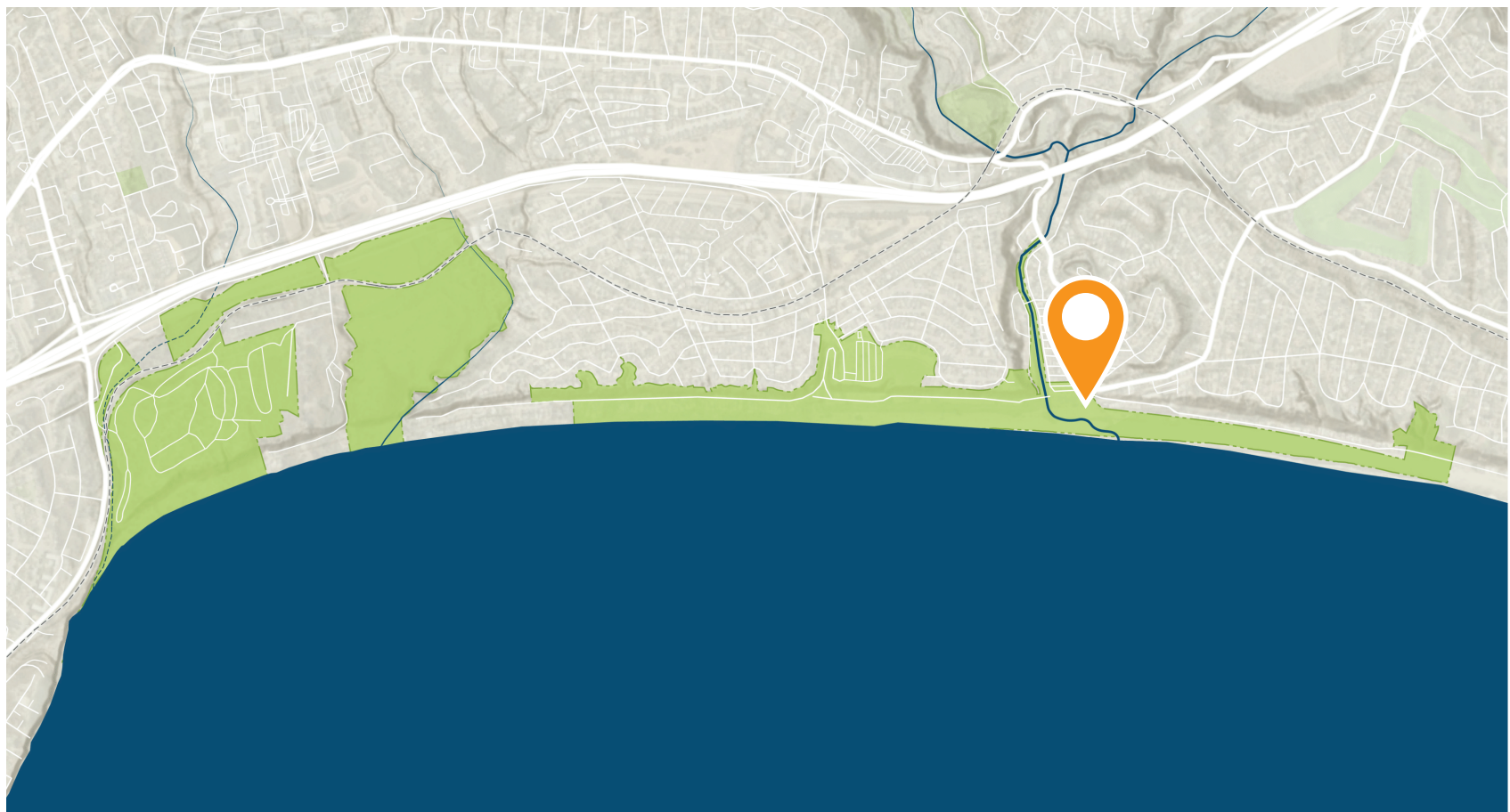
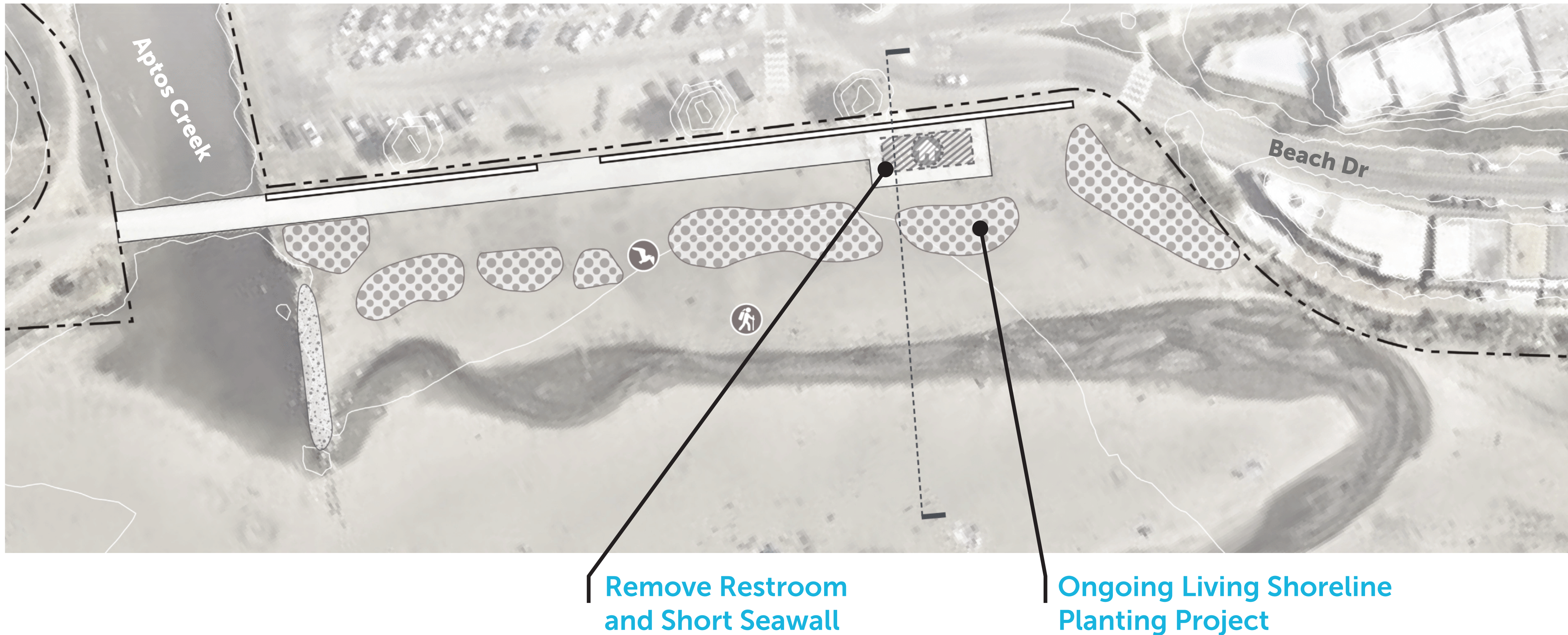
Strategy would:

- Significantly reduce access to facilities such as picnic areas and pedestrian trails
- Increase beach width for recreation and coastal processes

Rio Del Mar Esplanade

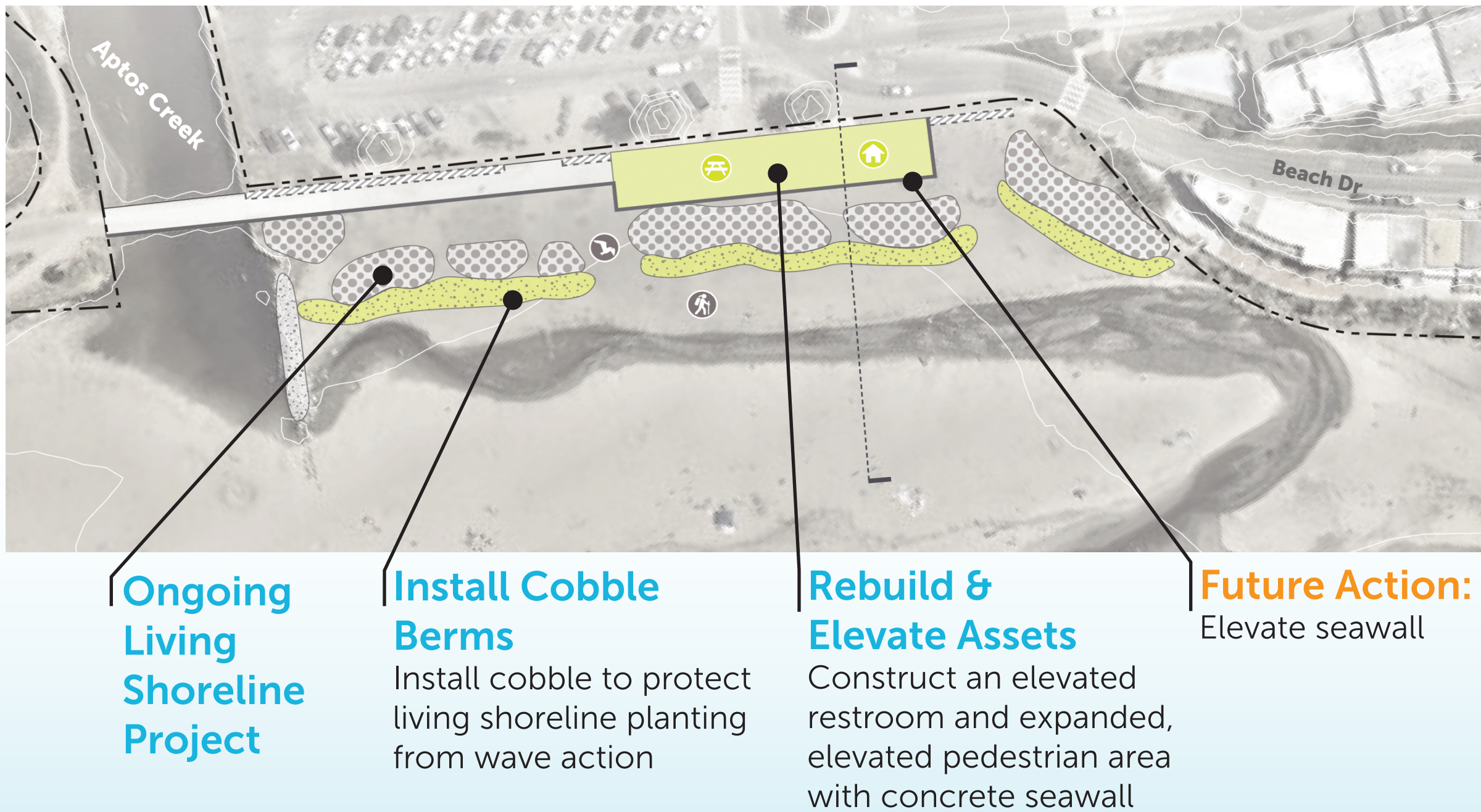


Restore & Relocate Adaptation Theme: Recommended Preferred Actions Site Location



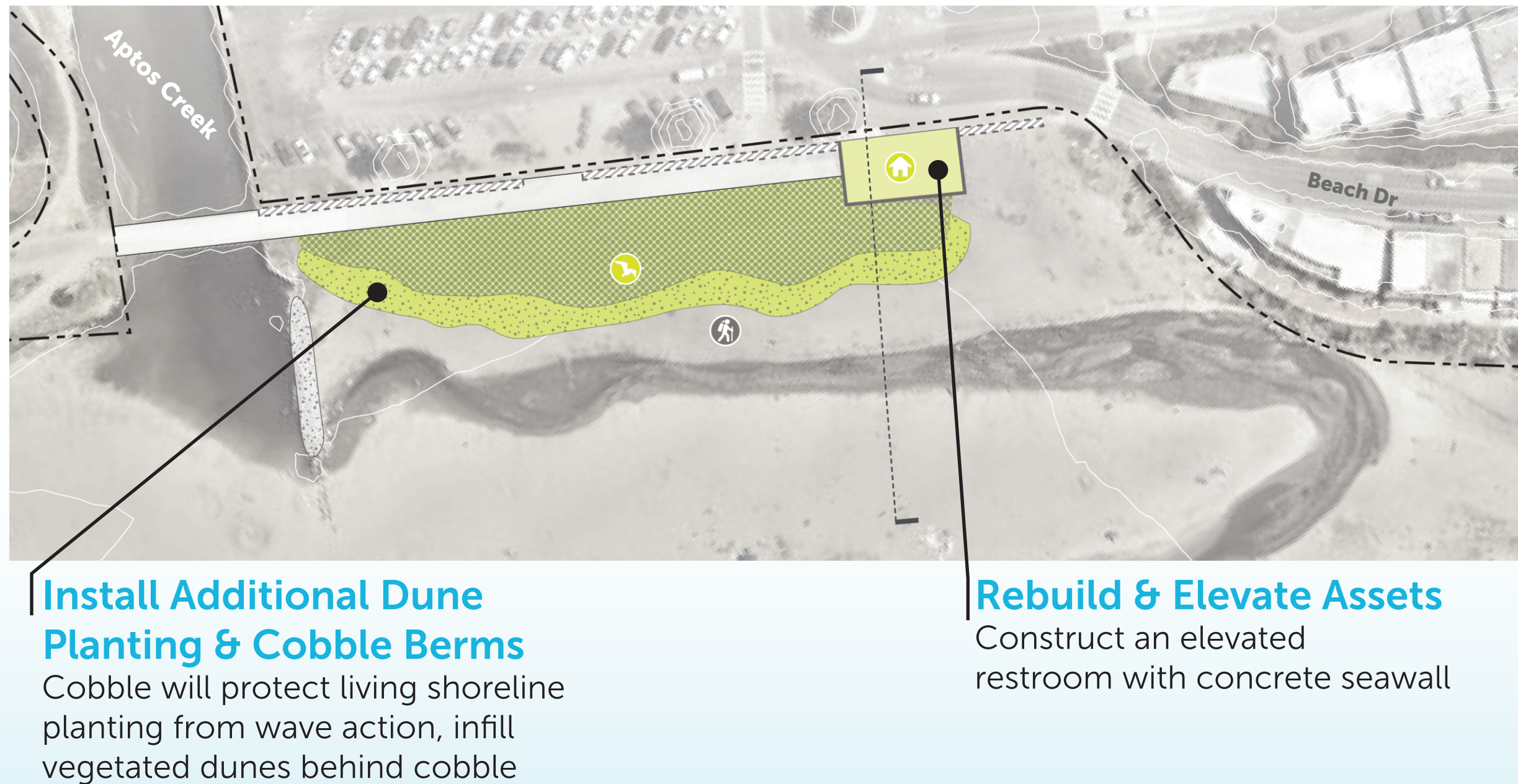
- Recommended preferred actions will:**
- Reduce vulnerability from coastal processes and Aptos Creek
 - Continue support for native restoration adjacent Aptos Creek

Fortify & Protect (Not recommended)



- Strategy would:**
- Impact broader viewshed with elevated facilities
 - Potentially worsen river flood conditions

Hybrid (Not recommended)

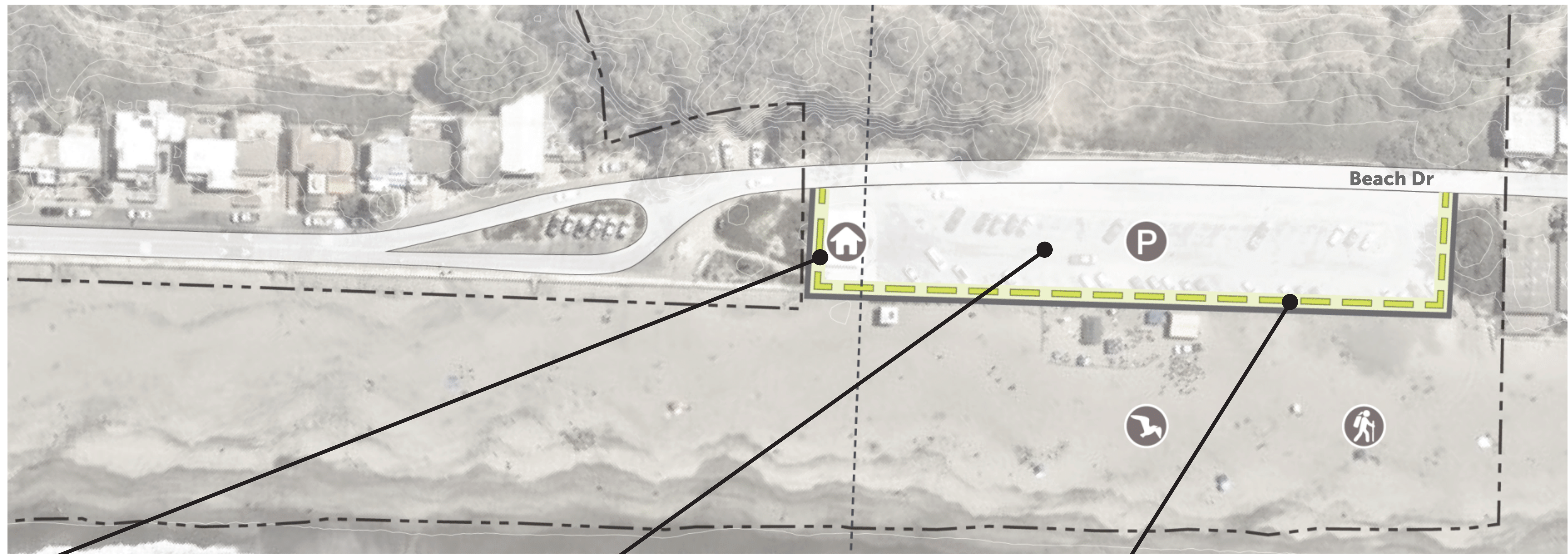


- Strategy would:**
- Impact broader viewshed with elevated facilities
 - Potentially worsen river flood conditions

Platforms at Rio Del Mar



Fortify & Protect Adaptation Theme: Recommended Preferred Actions

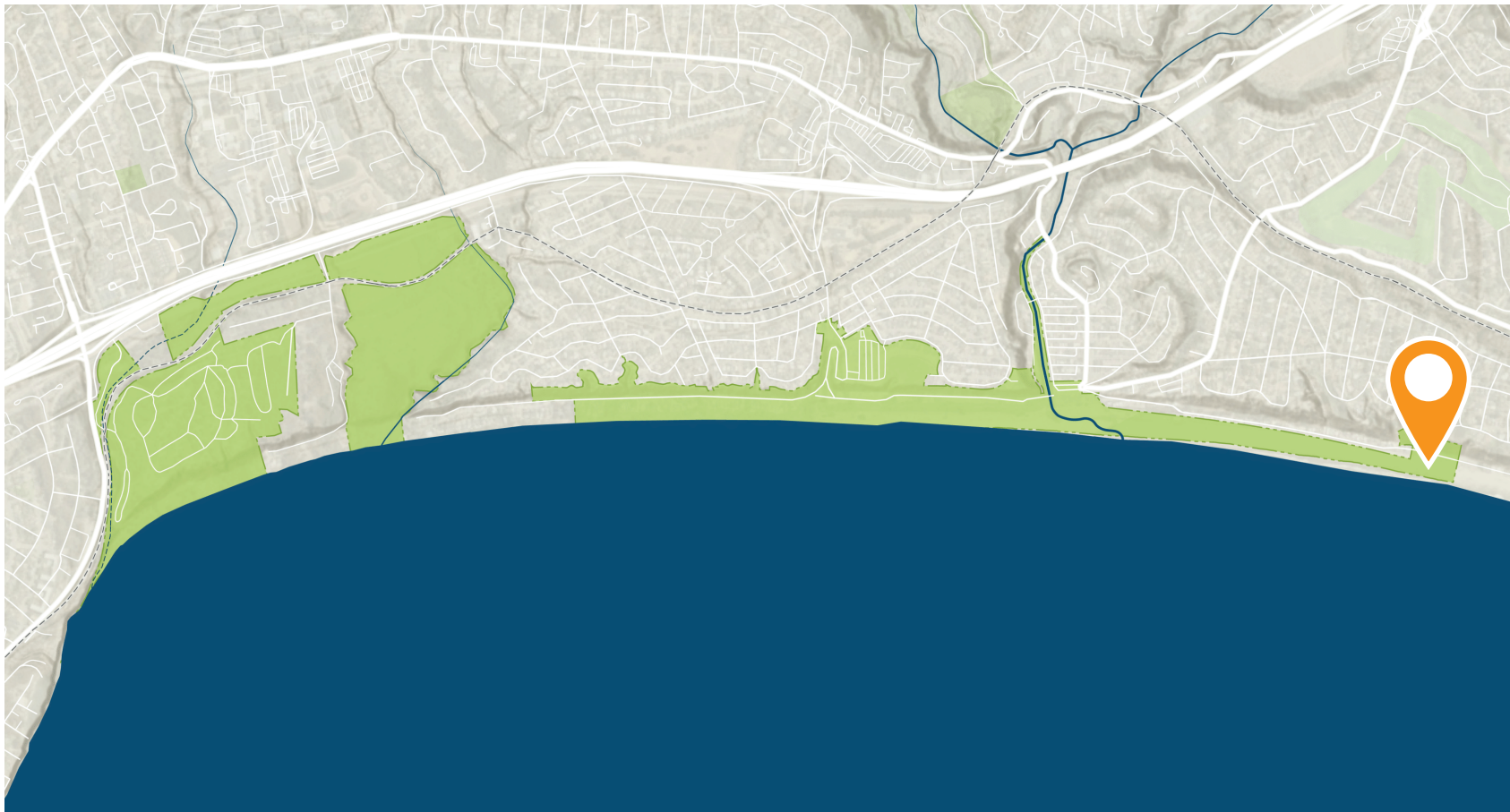


Future Action:
Rebuild an elevated restroom and shower facility

Future Action:
Elevate parking area and ramp road up to parking entry

Remove Timber Handrail, Install Concrete Edge & Seatblocks

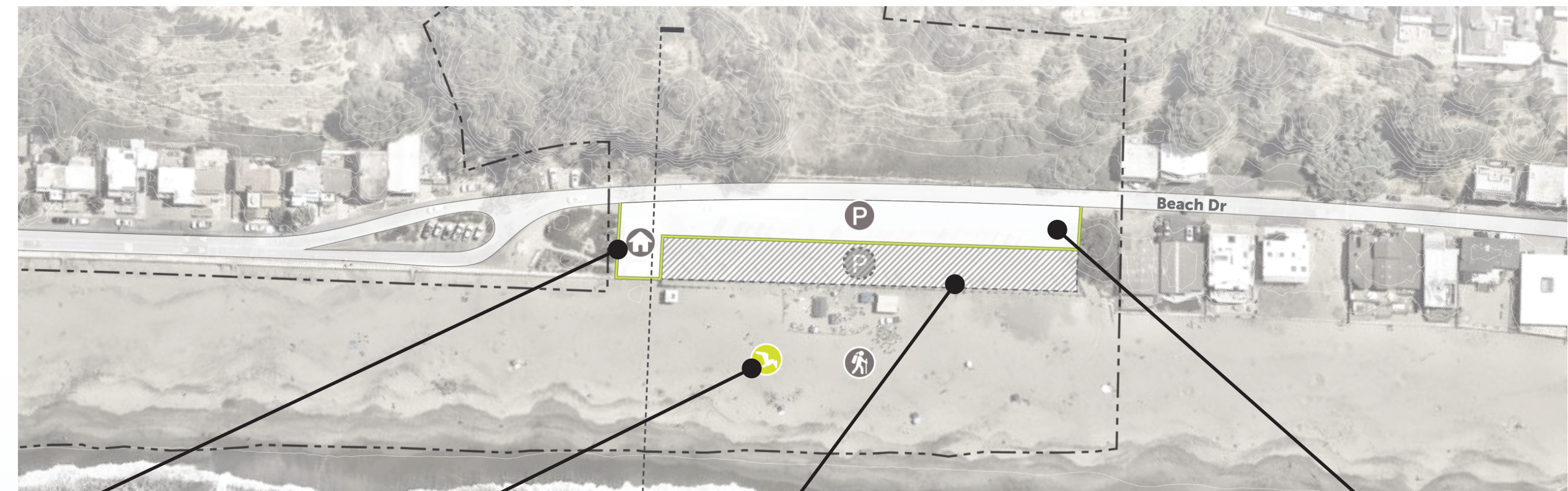
Site Location



Recommended preferred actions will:

- Maintain existing facilities and levels of access

Restore & Relocate (Not recommended)



Future Action:
Remove the rest of the parking lot and the restroom

Gain Sandy Beach Habitat

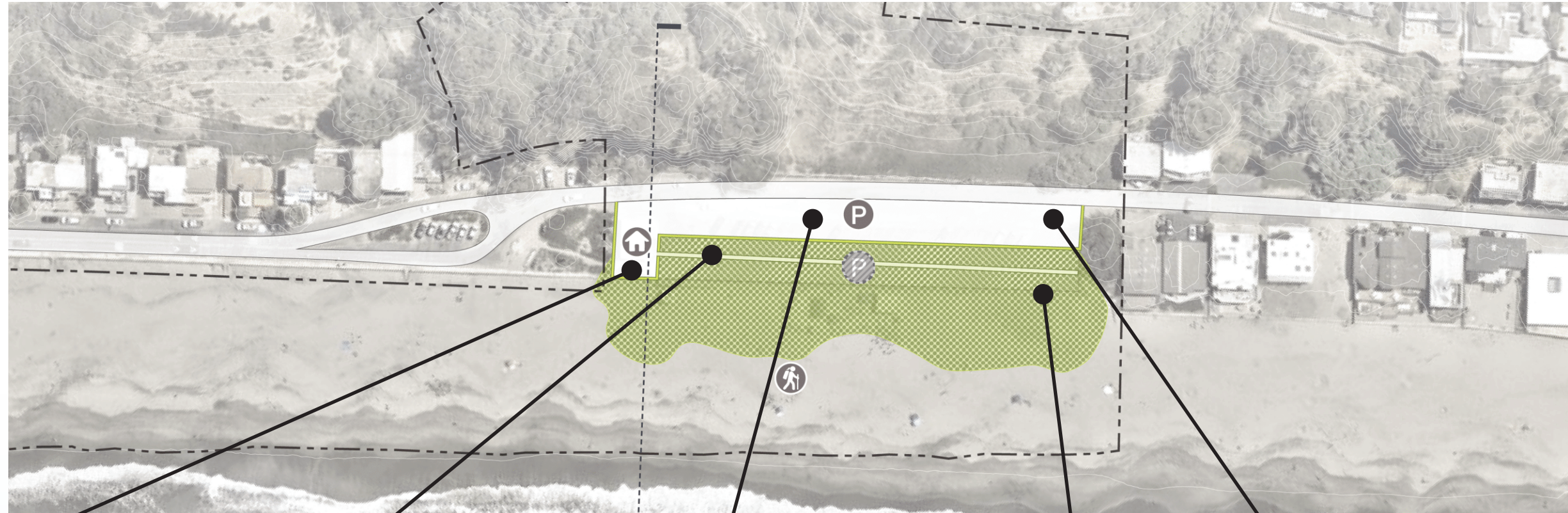
Reduce Parking & Install Concrete Edge
Reduce to one row of angled spots and construct concrete toe wall along edge of reduced parking area

Remove Timber Handrail

Strategy would:

- Reduce available parking
- Increase beach width slightly

Hybrid Action (Not recommended)



Future Action:
Rebuild an elevated restroom & shower facility

Install Vegetated Dune Field & Boardwalk Trail

Future Action:
Elevate parking area and ramp road up to parking entry

Remove Timber Handrail

Reduce Parking & Install Concrete Edge
Reduce to one row of angled spots and construct concrete toe wall along edge of reduced parking area

Strategy would:

- Reduce available parking
- Increase native biodiversity