

# Easton's Beach Planning Study

Newport, RI

MUNICIPAL COUNCIL PRESENTATION 10-19-22



WOODS HOLE   
GROUP  
A CLS COMPANY

 FUSS & O'NEILL

 DBVW  
ARCHITECTS

## DBVW ARCHITECTS



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## FUSS & O'NEILL



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Landscape Architect



Lara Sup  
Climate and Flood  
Resilience Engineer

THE TEAM

CAROUSEL

ROTUNDA

SNACK BAR



EASTON'S BEACH PAVILIONS





CAROUSEL CONDITIONS (2021)



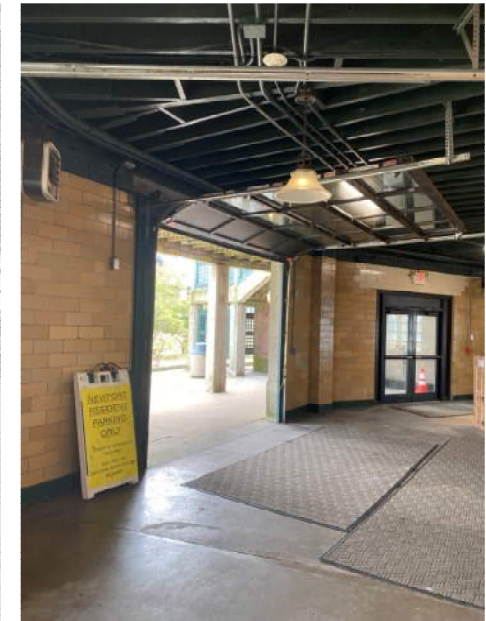
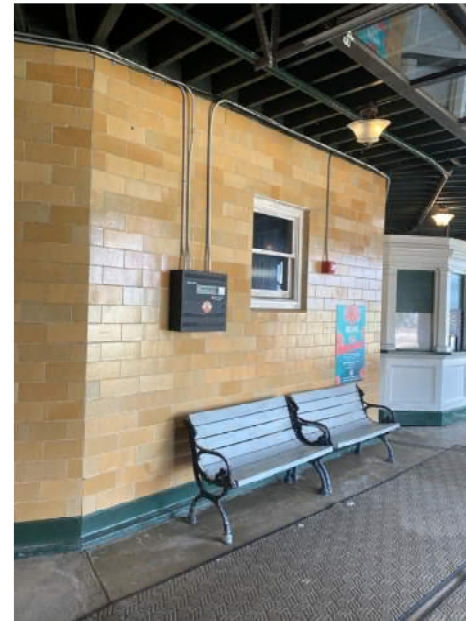
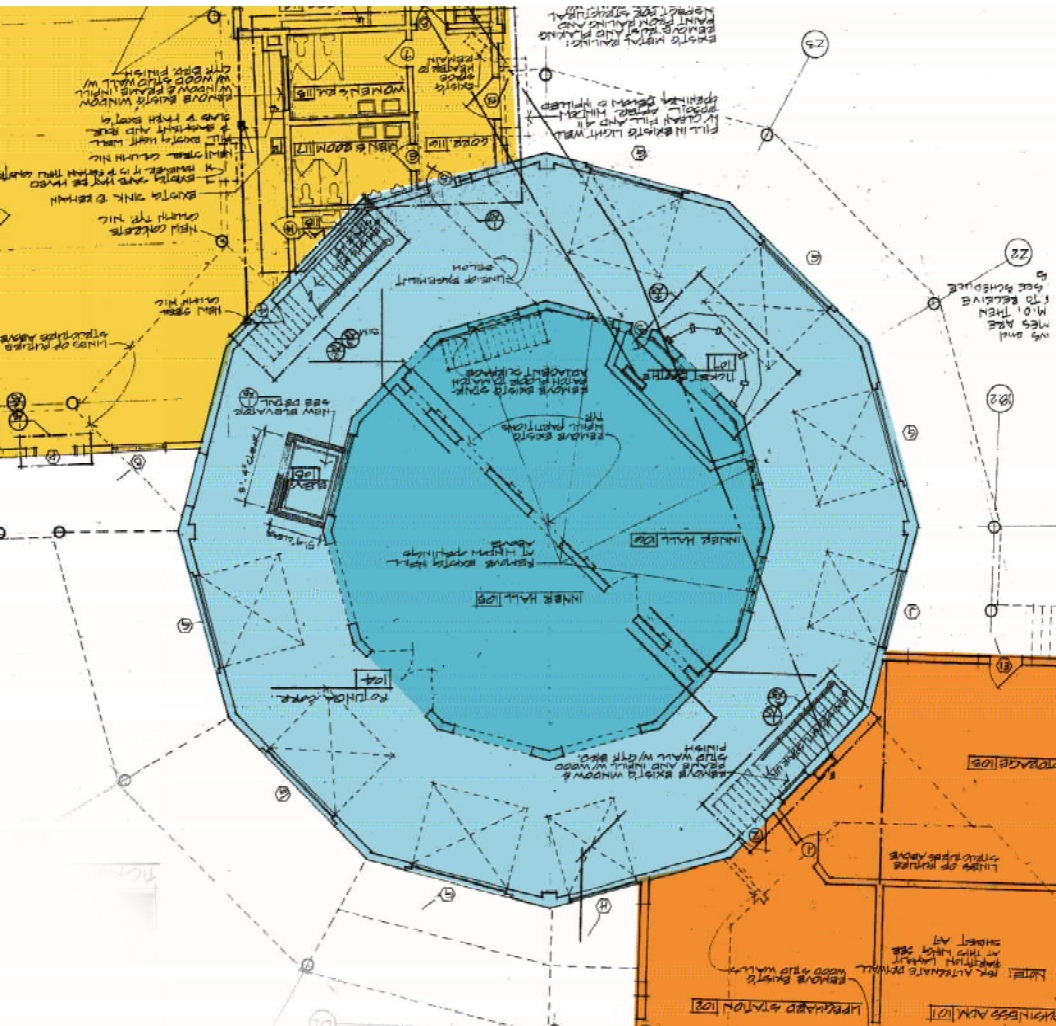


SNACK BAR CONDITIONS (2021)



ROTUNDA





ROTUNDA – CLIMATE RESILIENCY

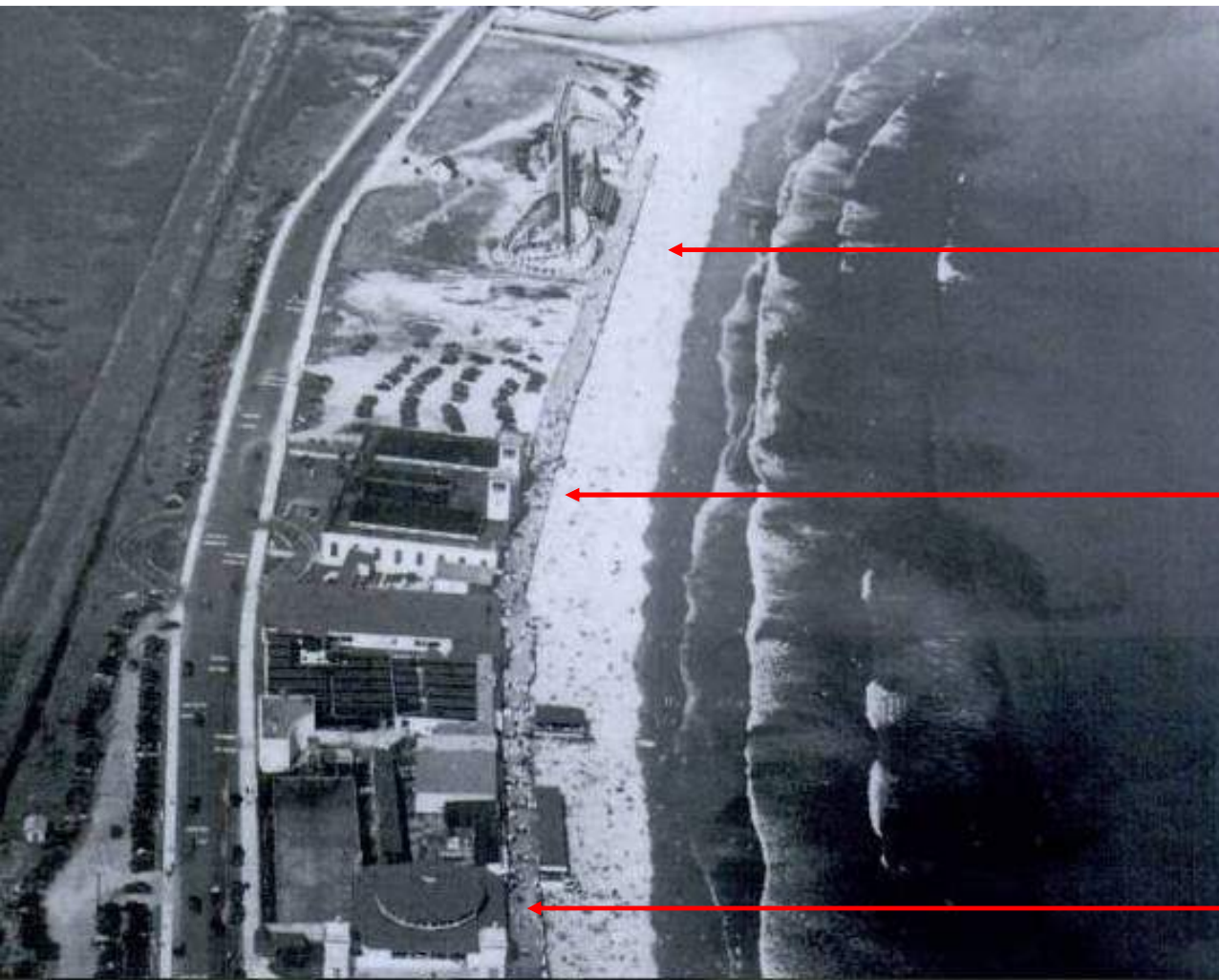


PRE 1938 HURRICANE





PRE 1938 HURRICANE



ROLLER COASTER

GATEWAY BUILDING

CAROUSEL

PRE 1938 HURRICANE





POST 1938 HURRICANE



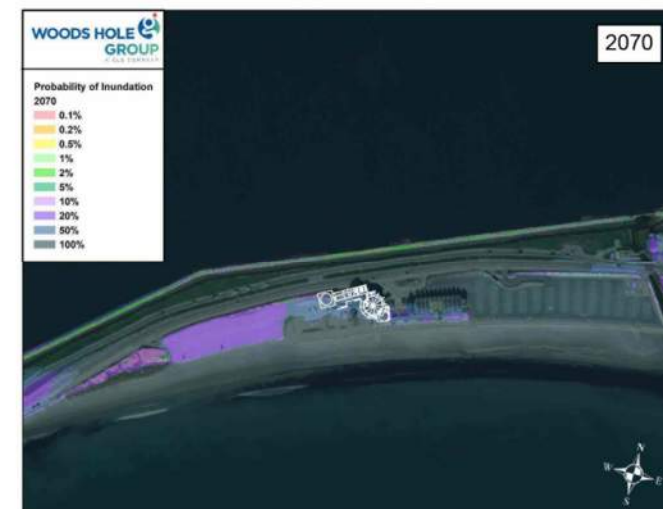
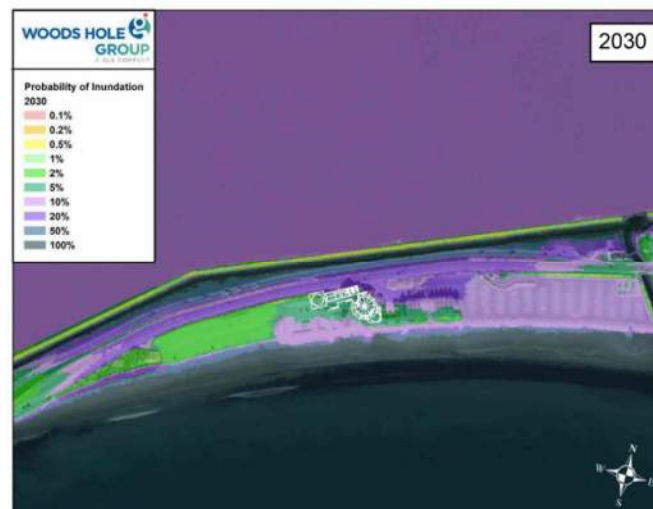
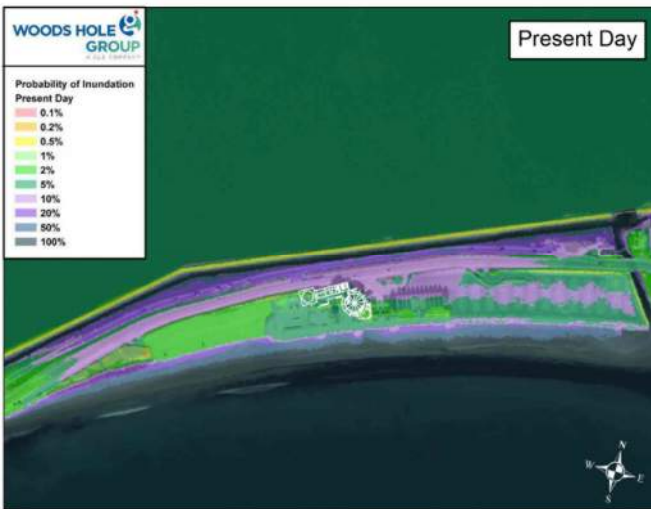
## Mean Higher High Water Levels at Present, 2030 and 2070







# Probability of Inundation

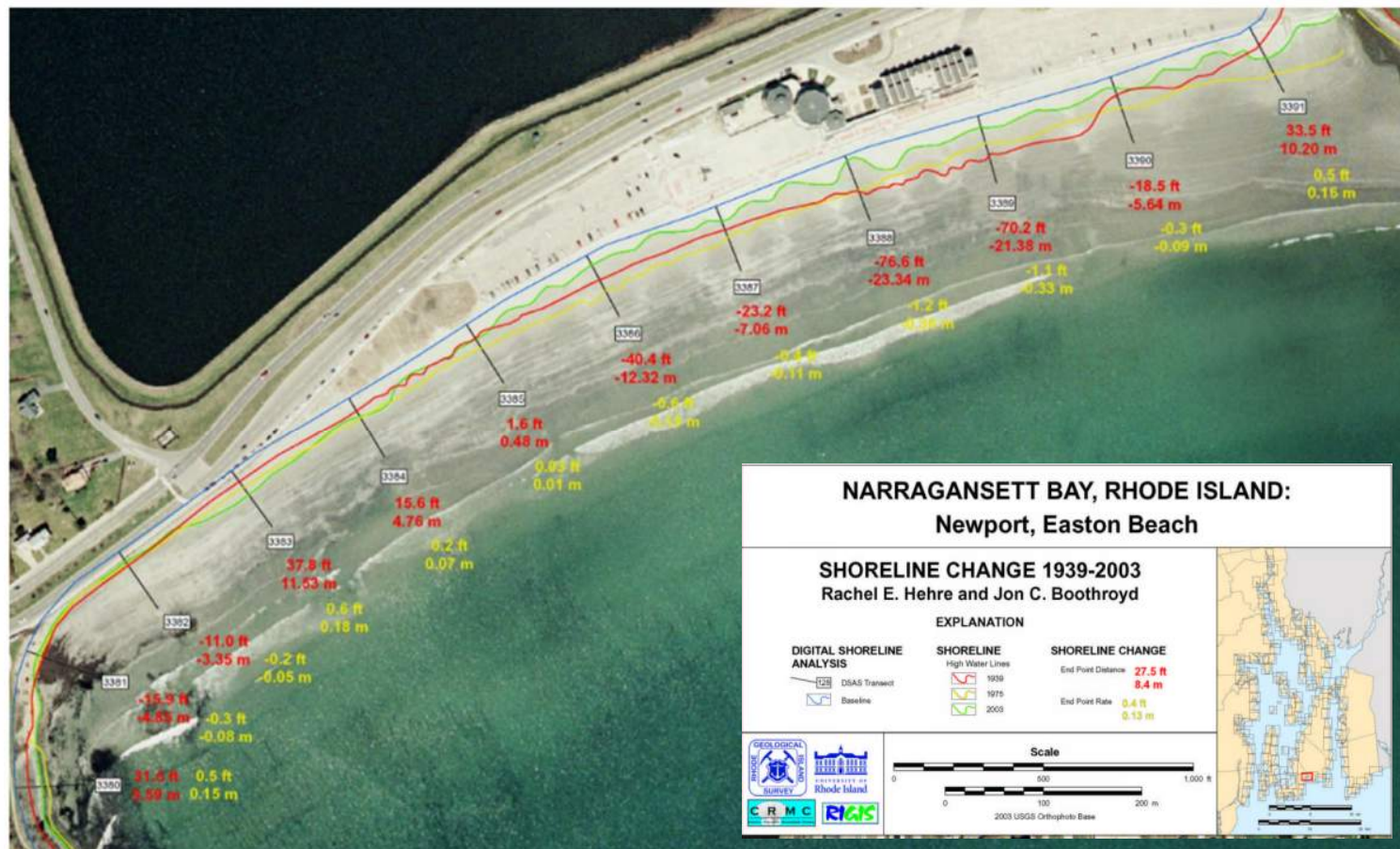


PROBABILITY OF INUNDATION DURING STORM  
EVENTS AT PRESENT, 2030 AND 2070 CLIMATE  
CONDITIONS

1%	100-YEAR STORM
2%	50-YEAR STORM
5%	25-YEAR STORM
10%	10-YEAR STORM
20%	5-YEAR STORM
50%	2-YEAR STORM
100%	1-YEAR STORM



## Shoreline Change Between 1939 and 2003







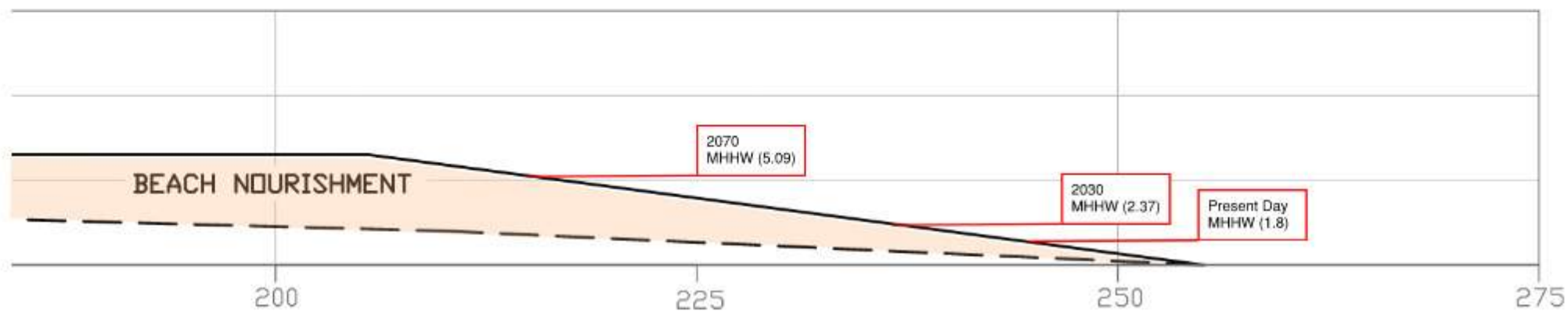
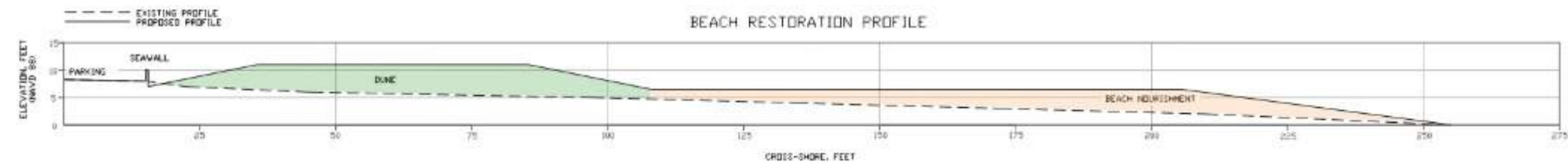
## Full Site Concept

Tie into existing dune  
Dune crest at +/- Elev. 11  
Dune width 40-50 feet, slopes at 5H: 1V  
Beach nourishment 6.5 feet, width of +/- 100 feet





## Proposed Beach Profile





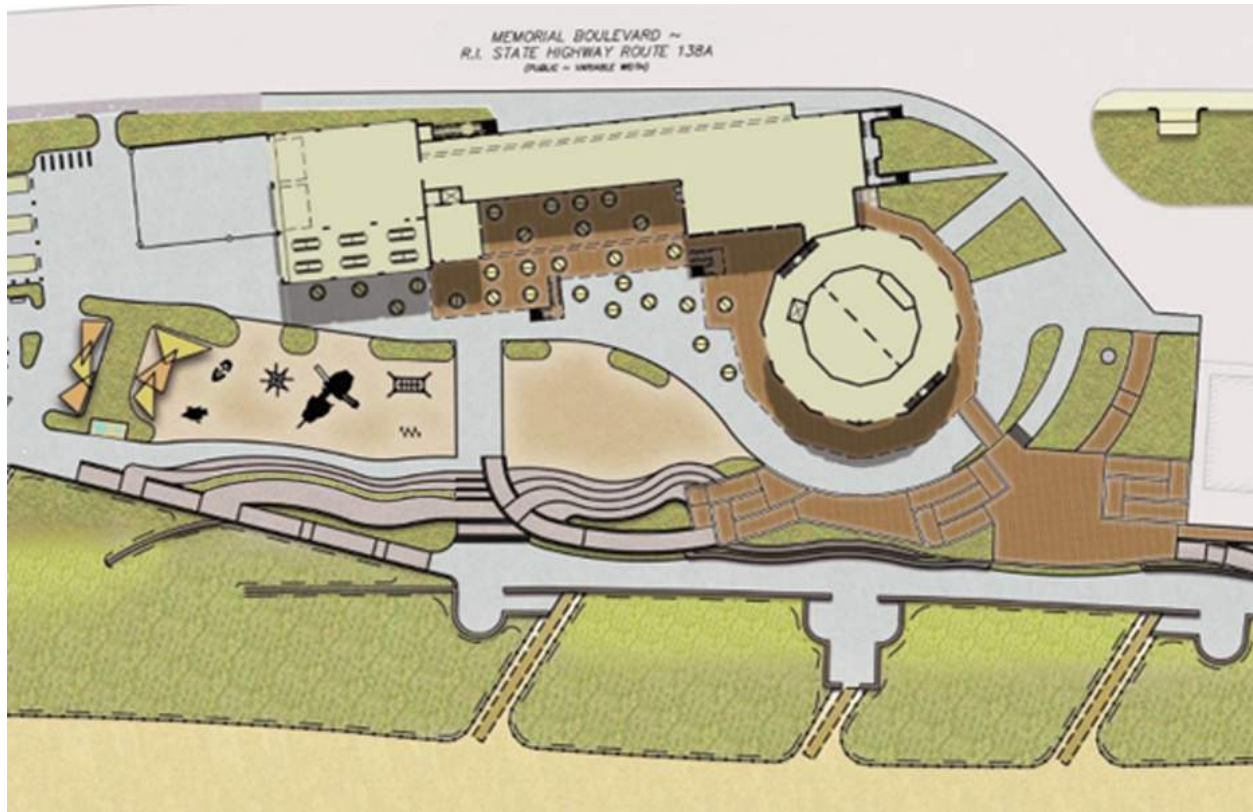


## Full Site Concept





## Amenity Space Concept







## Incorporating site amenities into Resilience Feature





## Arrival Concept

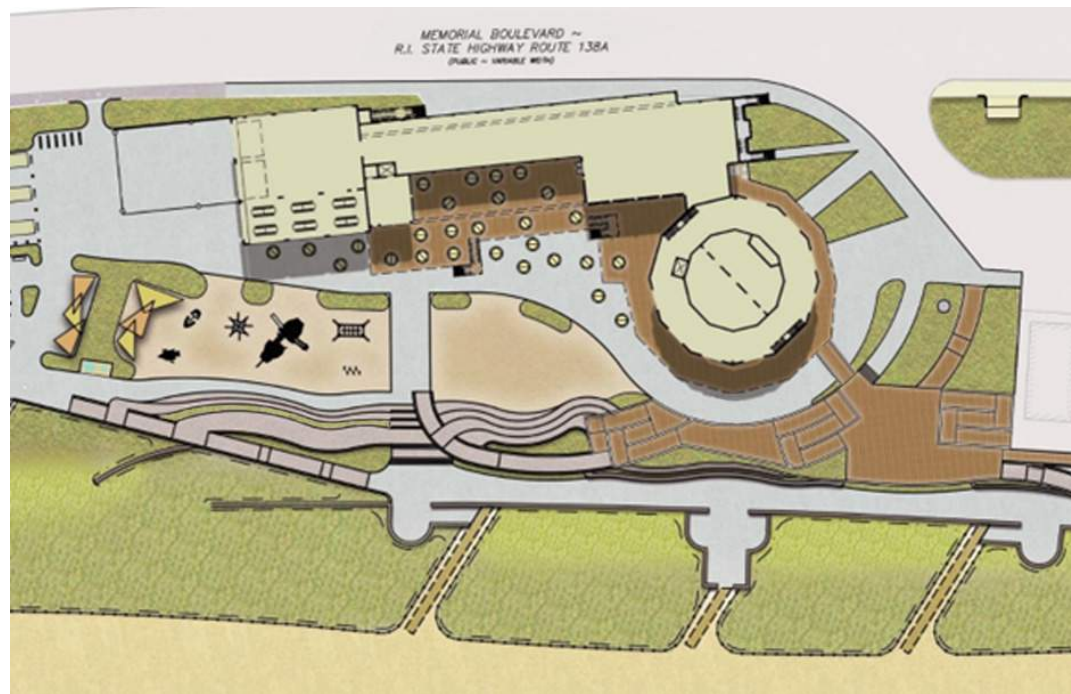


Approximate location of  
Elev. 11 Resilience Feature



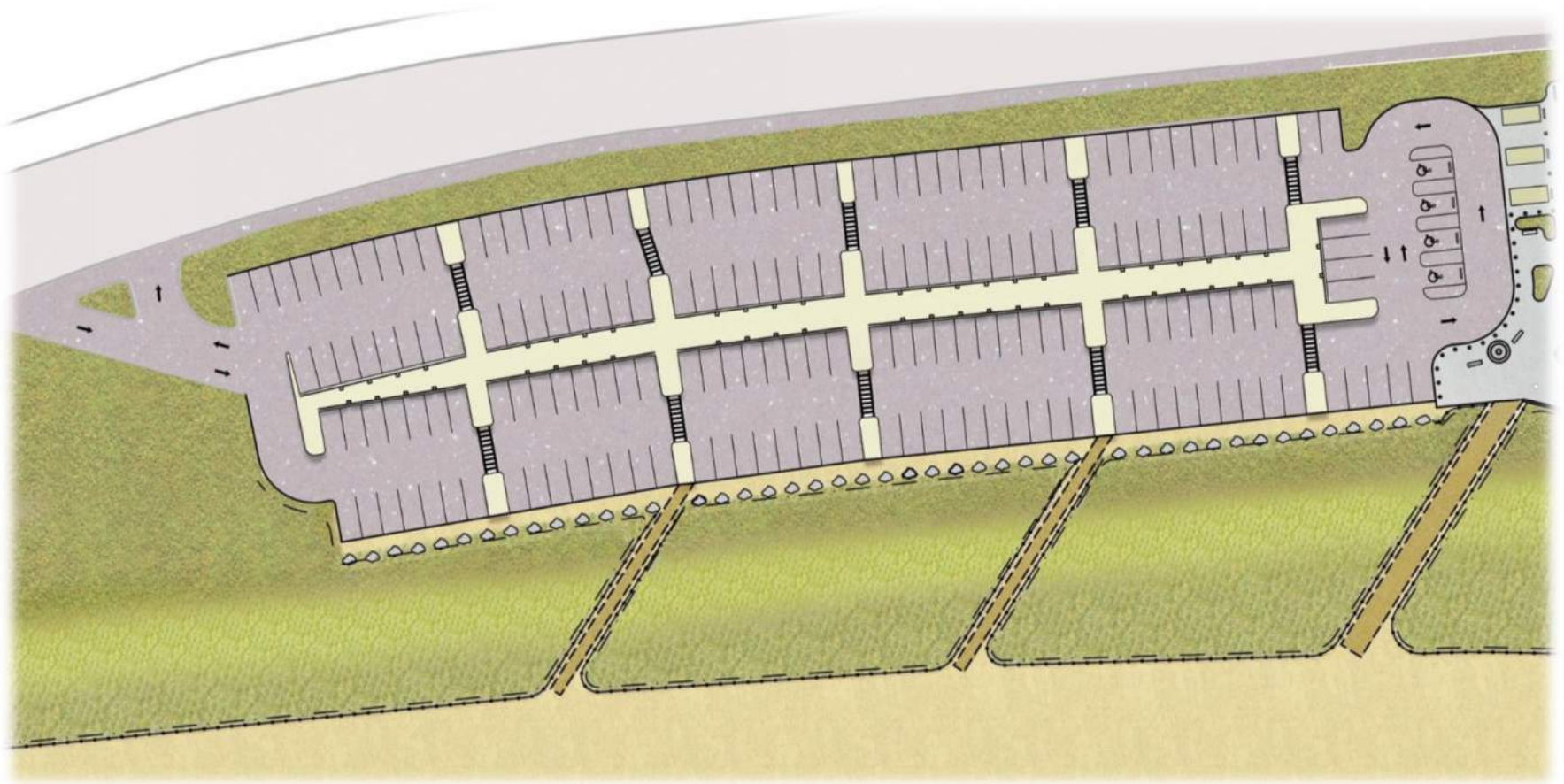


## Amenity Space Concept



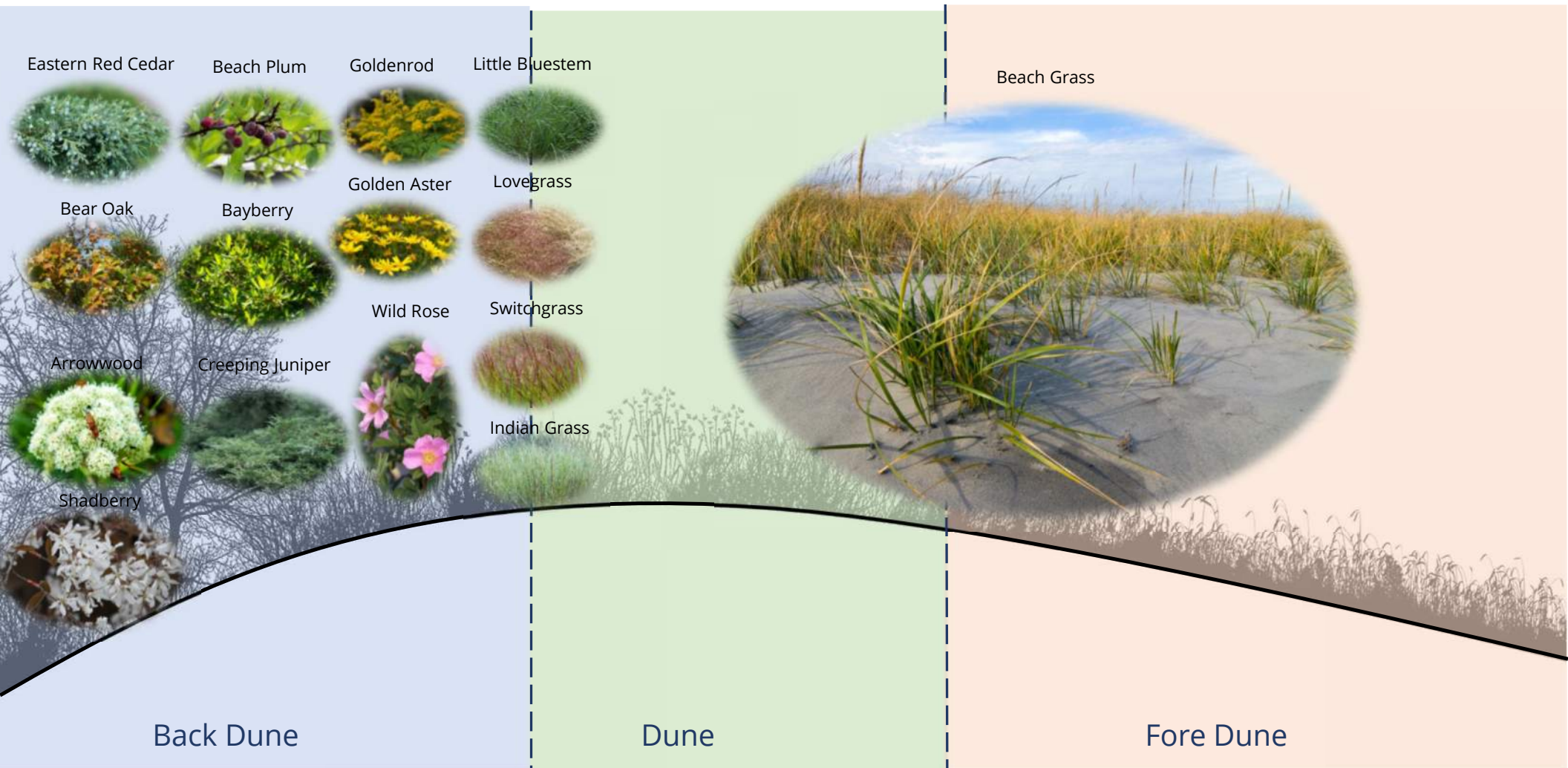


## Western Parking Lot Concept



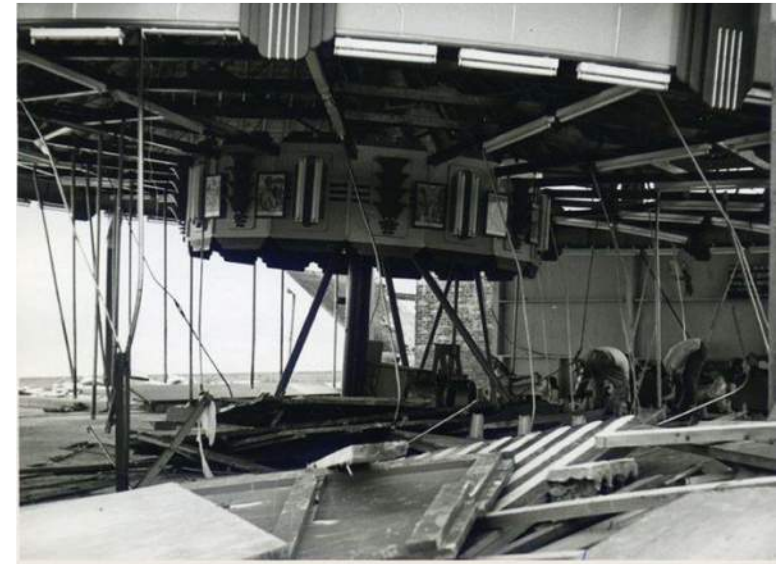


# Dune Planting Concept



## DESIGN PARAMETERS

- PRESERVE ROTUNDA BUILDING
- DESIGN FOR RESILIENCY
  - Locate New Buildings Away from Coastal Feature
  - Raise Buildings per Coastal Requirements
- CONNECT BUILDINGS FOR EFFICIENCY
- PROVIDE SAME AMENITIES AS EXISTING BUILDINGS
  - Event Space
  - Carousel
  - Snack Bar
  - Life Guard Support Space
  - Restrooms
- DESIGN TO BE COMPATIBLE WITH AND COMPLEMENTARY OF HISTORIC NEWPORT



*The Merry-Go-Round at Easton's Beach, destroyed by Carol, Newport Historical Society Collection*

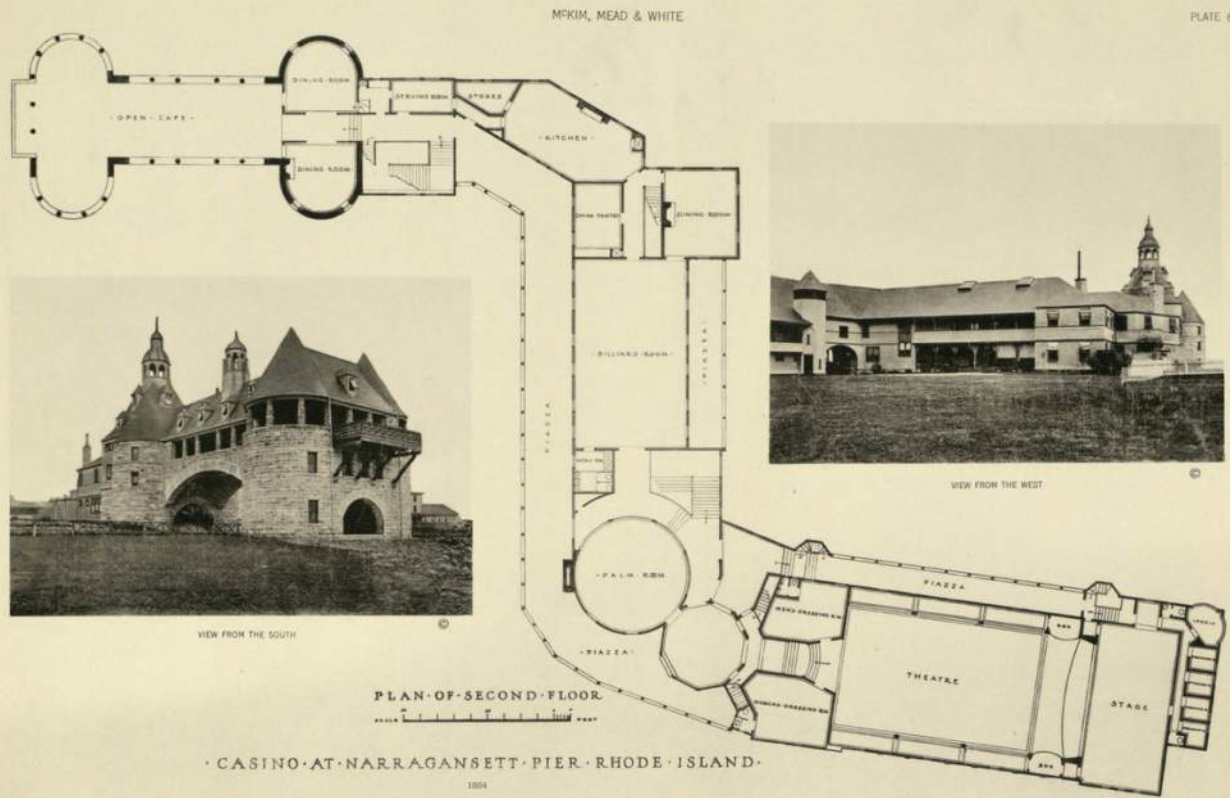
EASTON'S BEACH PROPOSED DESIGN





Shingle Style – Late 19<sup>th</sup> Century

PRECEDENTS FOR DESIGN



Narragansett Casino

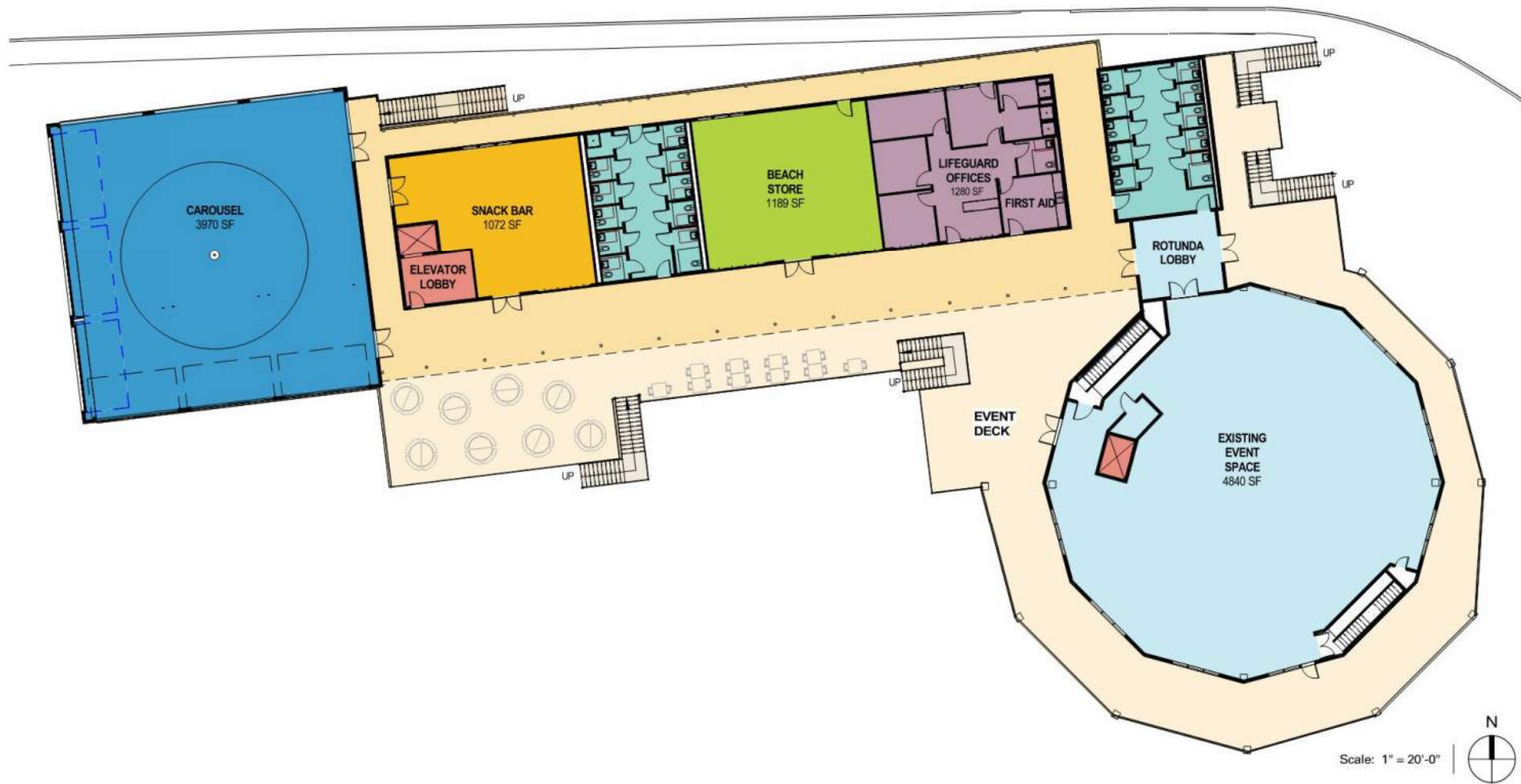
PRECEDENTS FOR DESIGN





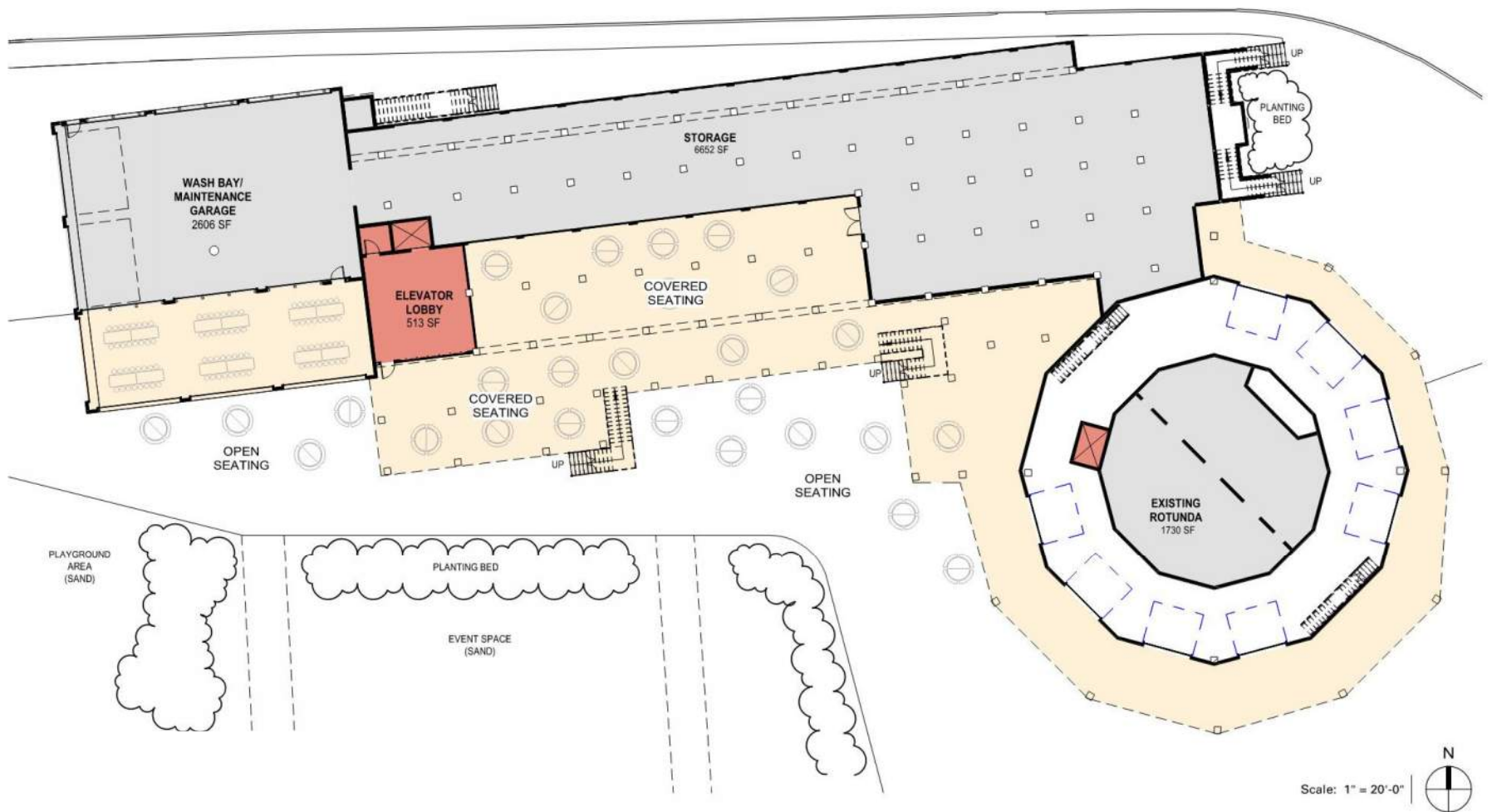
Two-story Pavilion

PRECEDENTS FOR DESIGN



PROPOSED UPPER LEVEL PLAN





PROPOSED LOWER LEVEL PLAN



LOOKING NORTHEAST FROM BEACH





LOOKING WEST ALONG MEMORIAL DRIVE





LOOKING SOUTHEAST FROM MEMORIAL DRIVE





LOOKING NORTHWEST

## NEXT PHASE

- Meet with Regulatory Agencies
- Complete Wave Analysis and Sediment Transport Study
- Refine Design of Nature-Based Solutions for Risk Reduction
- Refine Building Design and Rotunda Restoration
- Update Cost Estimates
- Develop Construction Documents
- Assist with Permitting
- Proceed with Construction



NEXT STEPS



## TIMELINE

(after notice to proceed)

Regulatory input:	2 months
Schematic design:	3 months
Design development:	3 months
Construction documents:	6 months
Permitting:	8 months
Bidding and negotiation:	2 months
Construction:	18 months

**TOTAL TIMEFRAME: 42 months**



TIMELINE



QUESTIONS?