

City of New Haven
Toni N. Harp, Mayor

Living Shoreline Concepts

East Shore Park

New Haven

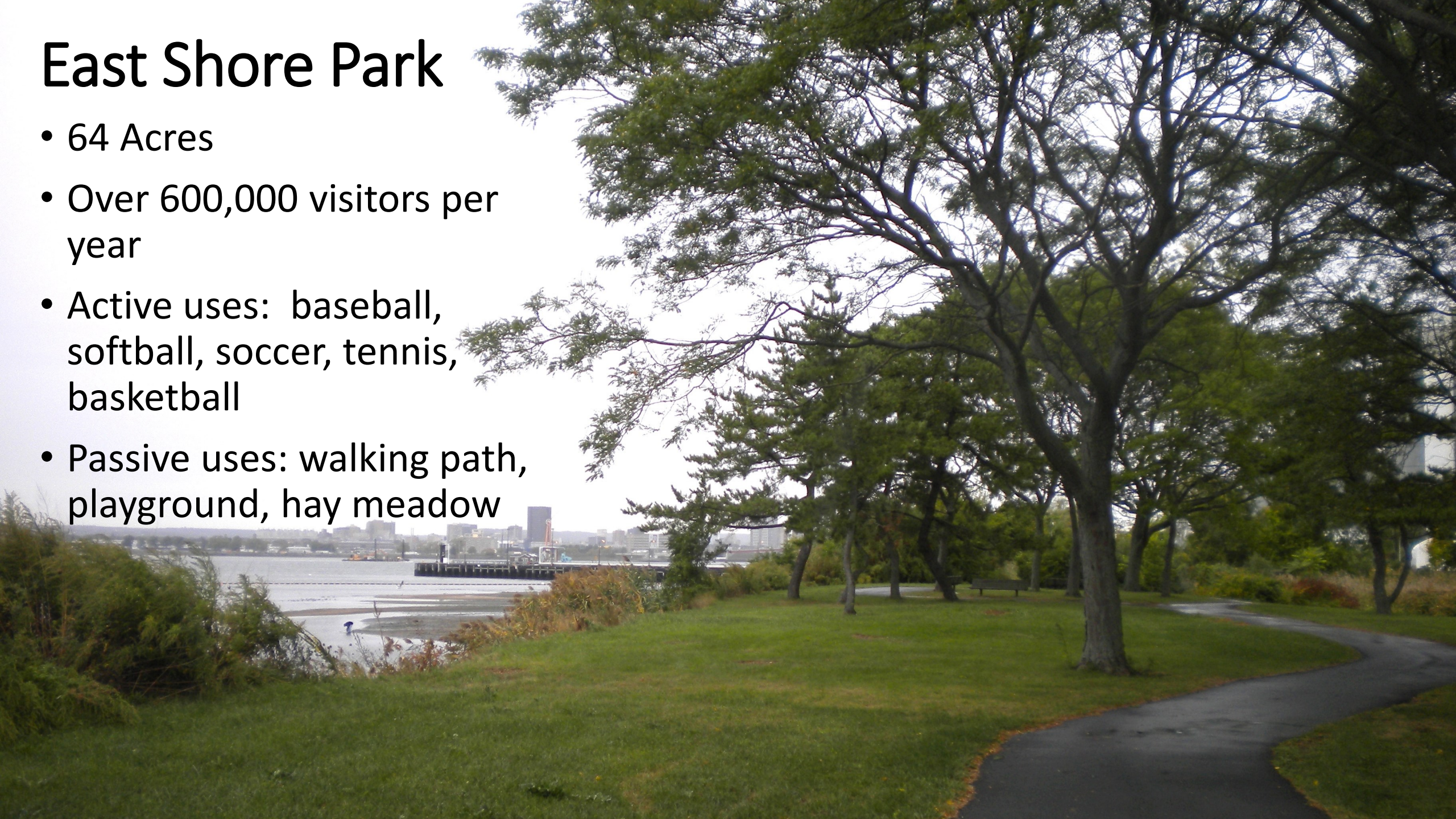


Giovanni Zinn, PE
City Engineer

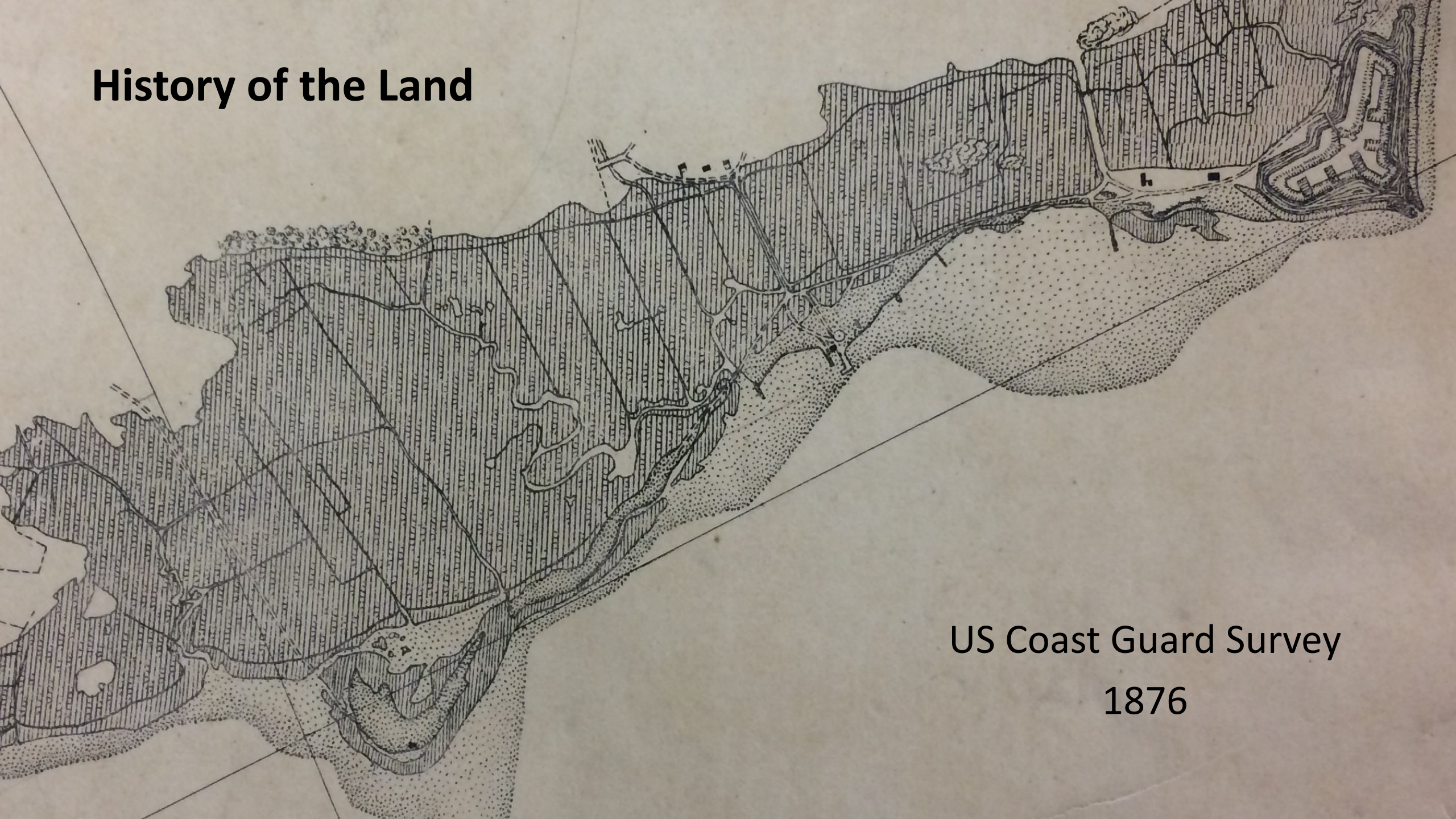


East Shore Park

- 64 Acres
- Over 600,000 visitors per year
- Active uses: baseball, softball, soccer, tennis, basketball
- Passive uses: walking path, playground, hay meadow



History of the Land



US Coast Guard Survey
1876



1934



1970



1986



Existing
Conditions

Save the Sound + GEI

Present Challenges

East Shore
Park

- Poor drainage in parts of the Park
- Susceptibility of infrastructure to storm events
- Coastal Erosion
- Poor access to the water
- Invasive plant species





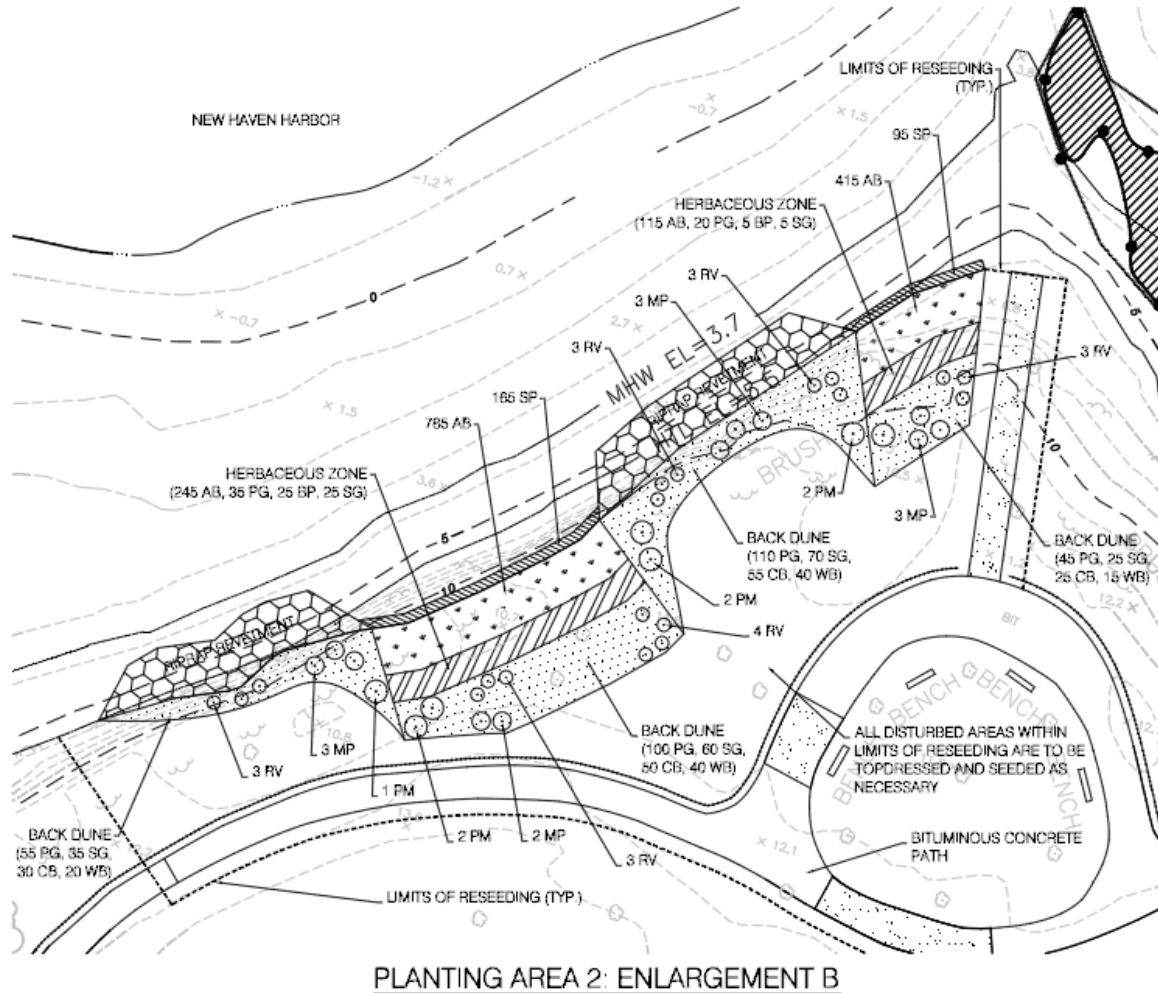




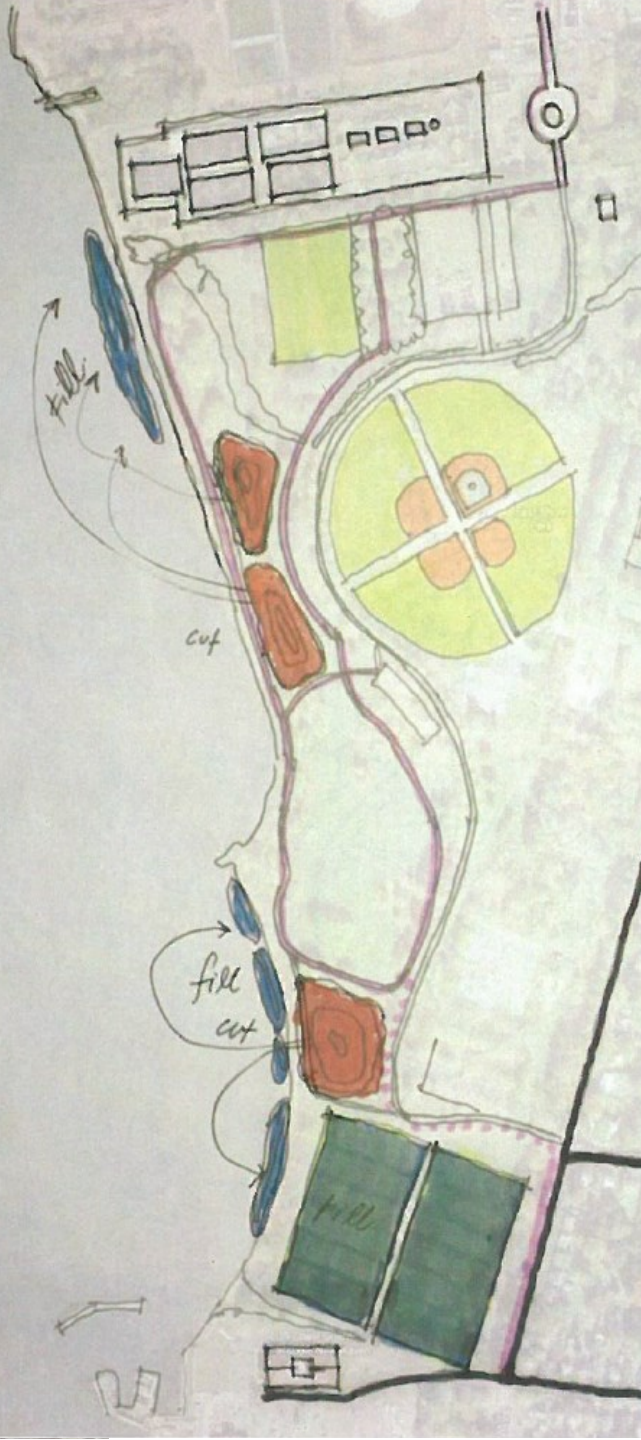
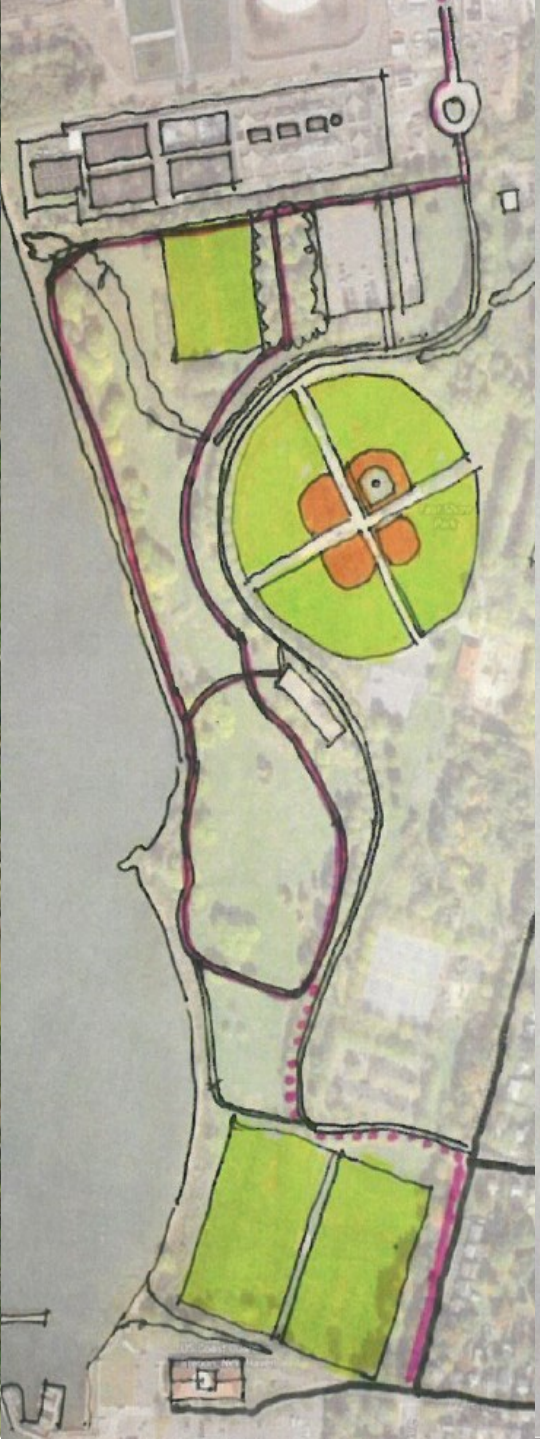




Maybe... Sort of... Living Shoreline? (aka what doesn't work)



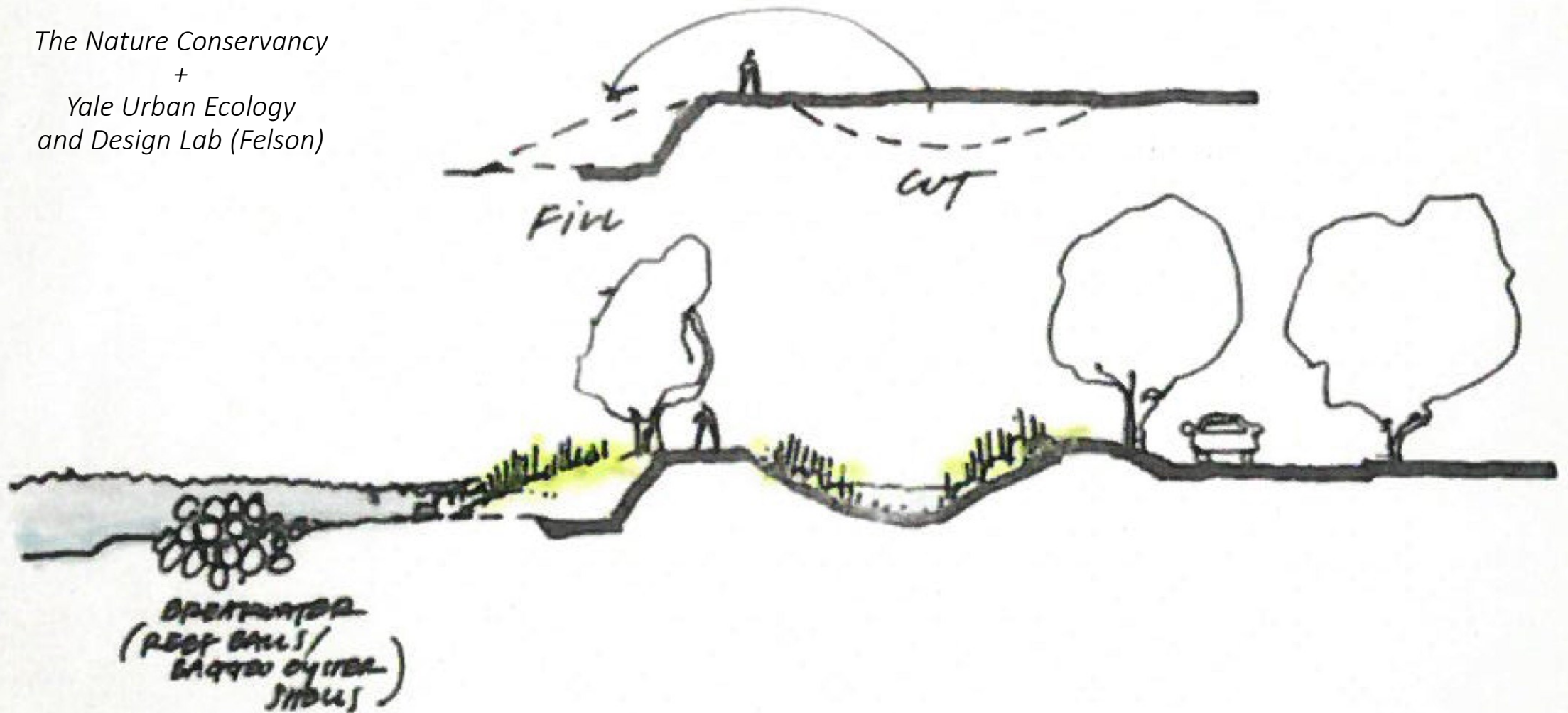
Two Concepts for Today



The Nature Conservancy
+
Yale Urban Ecology
and Design Lab (Felson)



The Nature Conservancy
+
Yale Urban Ecology
and Design Lab (Felson)





Northern portion of Park

Save the Sound + GEI

LEGEND:

- I INTERPRETIVE SIGN
- X NEST BOX
- WAYFINDING SIGN



CREATE NEW ACCESS
(RETREAT)

REMOVE
PAVEMENT

POTENTIAL
NATURE
CENTER
SITE

DAYLIGHT OUTFALL PIPE &
CREATE STORMWATER TREATMENT
WETLAND

RAISED DUNE
CROSSOVER

CREATE NEW
VEHICLE ACCESS

CREATE BIOSWALE

REGRADE &
REVEGETATE

BOULDER
STEPS TO BEACH

BOULDER
STEPS TO BEACH

SAND FENCE TO SUPPORT
DUNE BUILDING

SEASONAL ACCESS
DEPENDING ON
SHORE BIRD ACTIVITY

DUNE RESTORATION

GAZEBO AT
TRAIL HEAD

NEW PARKING AREA
FOR TRAIL ACCESS

OSPREY PLATFORM

INTERTIDAL MARSH PLANTING ZONE

HIGH MARSH PLANTING ZONE

CREATE FORMALIZED
OVERLOOK AREA

SILL

HIGH MARSH PLANTING ZONE

REMOVE &
REDISTRIBUTE STONE

HIGH MARSH PLANTING ZONE

INTERTIDAL MARSH PLANTING ZONE

SAND NOURISHMENT

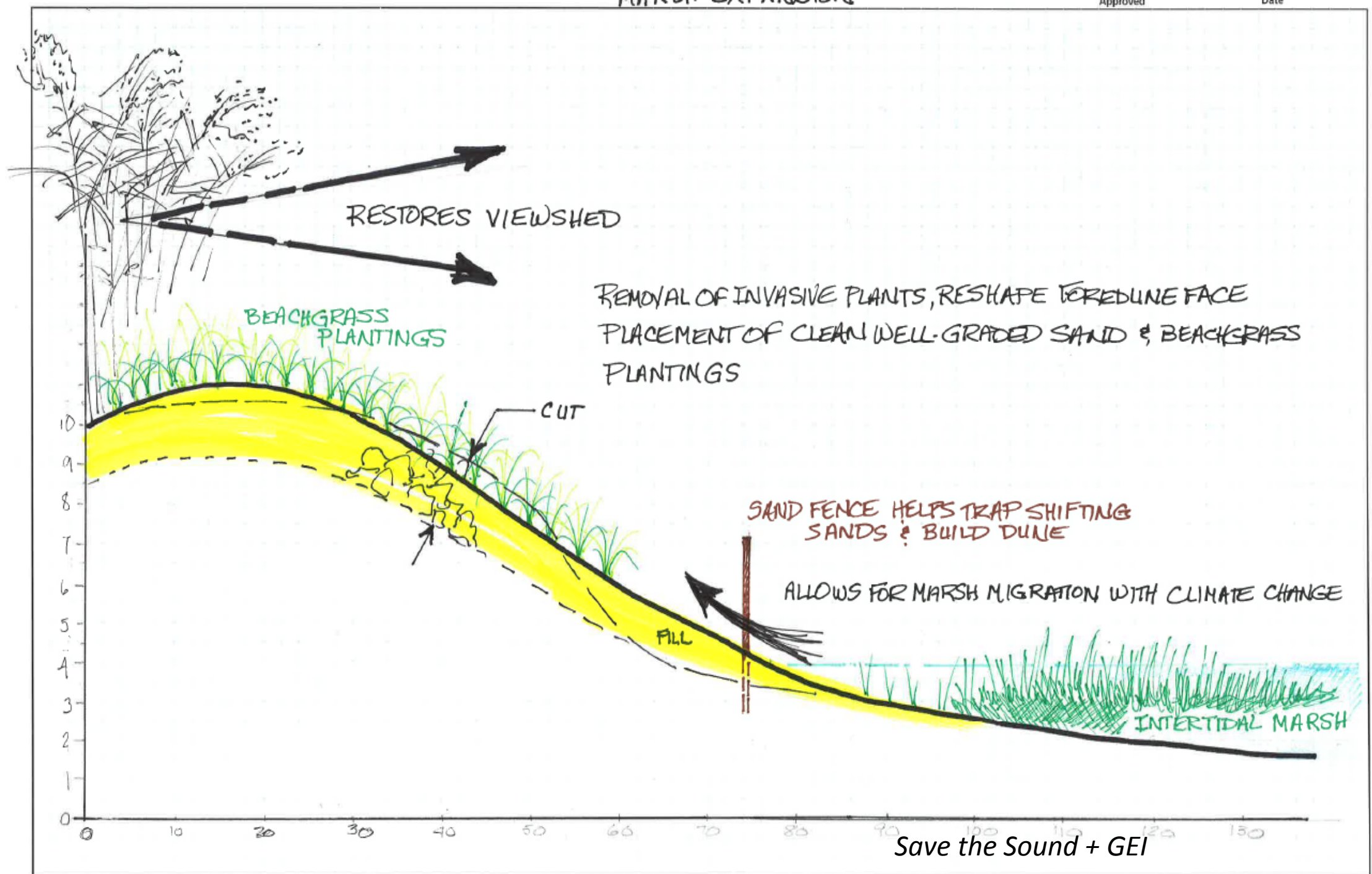
Southern
portion of
park

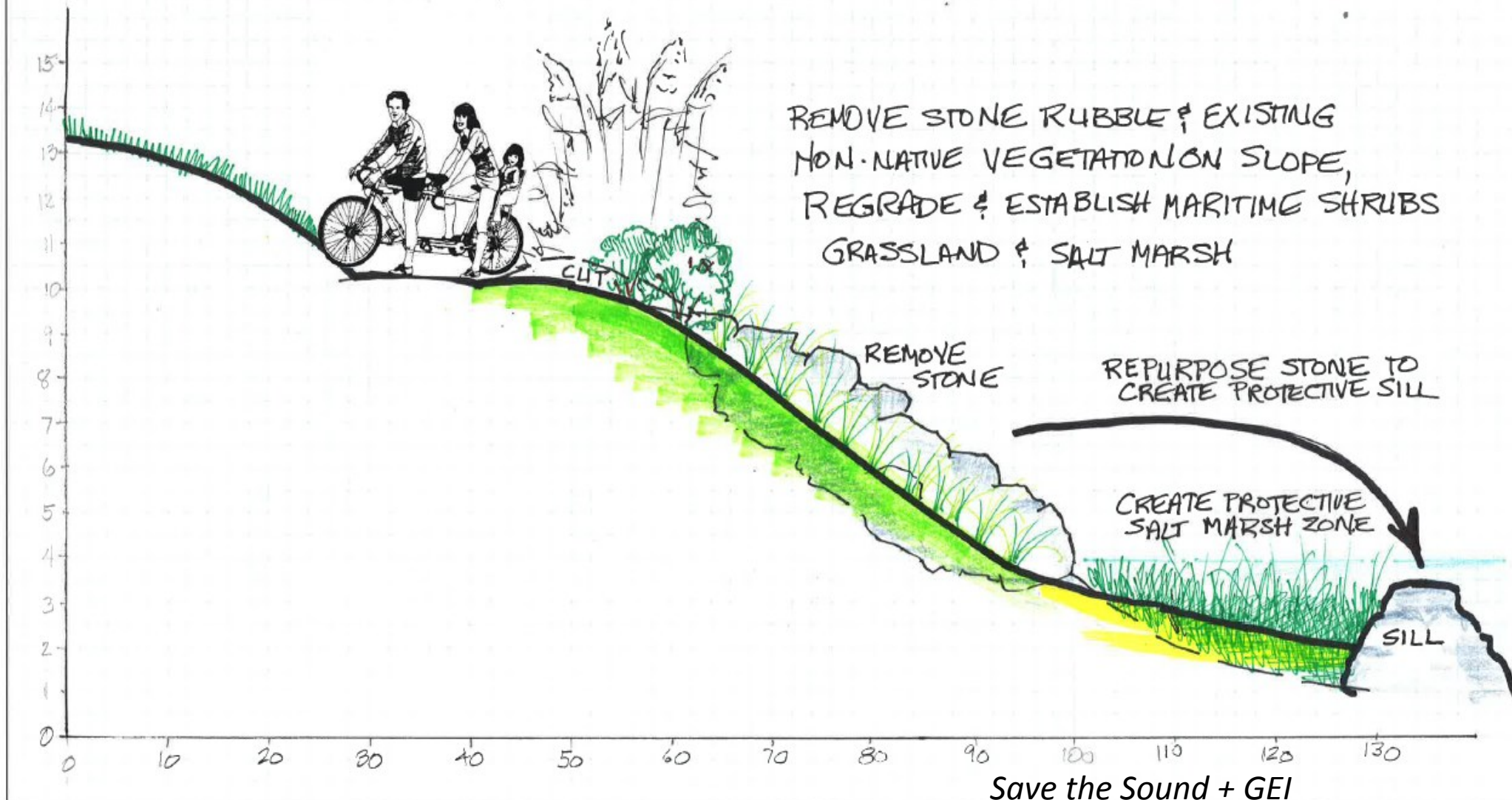
CREATE INTERPRETIVE TRAIL SYSTEM
THROUGHOUT THIS REACH

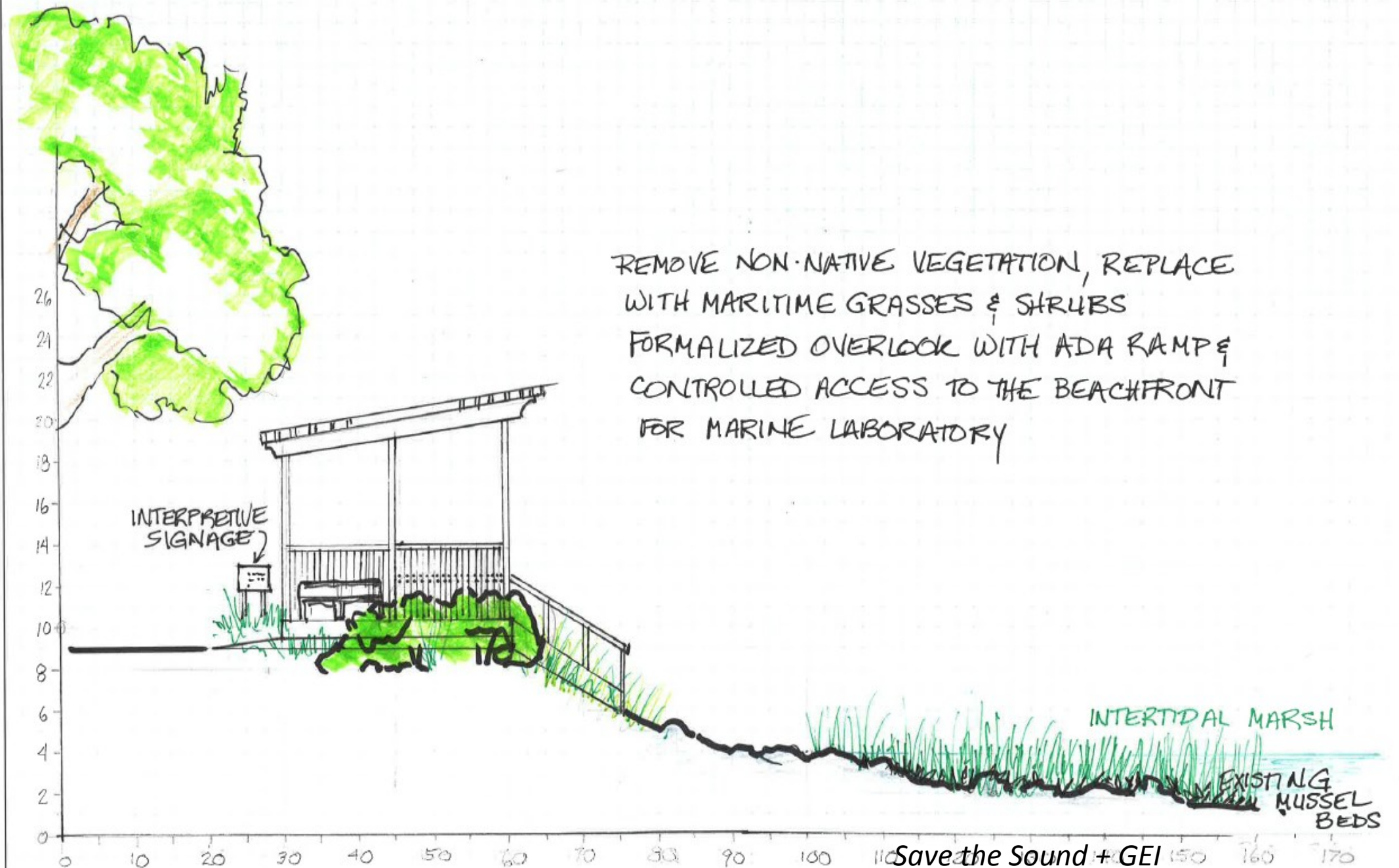
Save the Sound + GEI

LEGEND:

- INTERPRETIVE SIGN
- NEST BOX
- WAYFINDING SIGN
- BOARDWALK







REMOVE NON-NATIVE VEGETATION, REPLACE
WITH MARITIME GRASSES & SHRUBS
FORMALIZED OVERLOOK WITH ADA RAMP &
CONTROLLED ACCESS TO THE BEACHFRONT
FOR MARINE LABORATORY



Next Steps

- Combine best ideas
- Budgeting and value engineering
- Secure funding
- Permit
- Build!



Thank You!

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