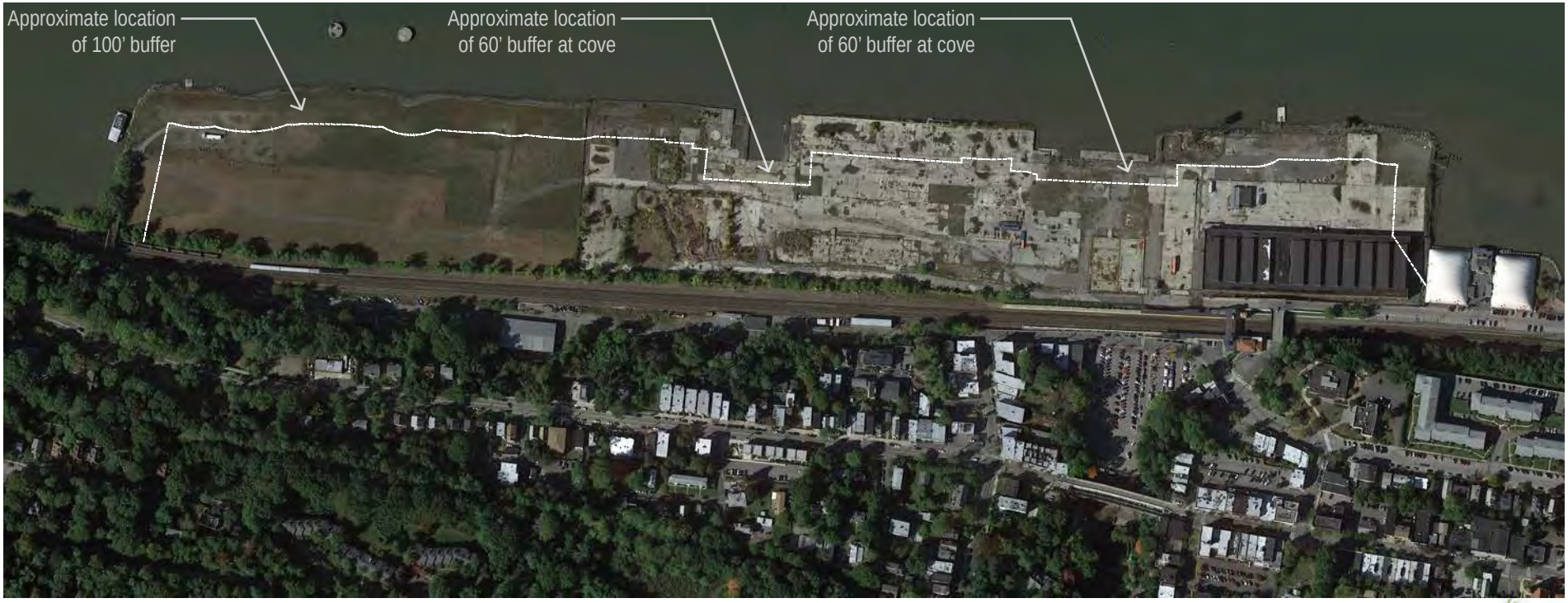
ROUX offshoots PRODUCTIVE LANDSCAPES


Approximate location of 100' buffer
Approximate location of 60' buffer at cove
Approximate location of 60' buffer at cove

- Public access to waterfront
- Connectivity
- Responsive programming
- Flexible amenities

- Bioengineering solutions
- Habitat creation
- Remedial containment
- Long term performance & resiliency

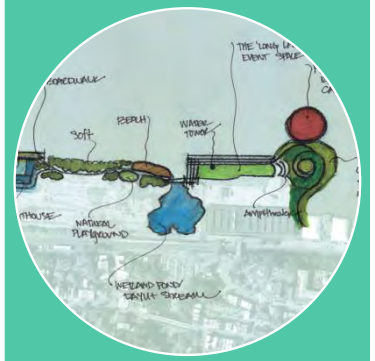
Precedent Site Visits

October 5, 2016

December 8, 2016

Public Meeting

January 18, 2017



Conceptual Designs

February 2017

NYSDEC Meetings

March 13, 2017

July 25, 2017

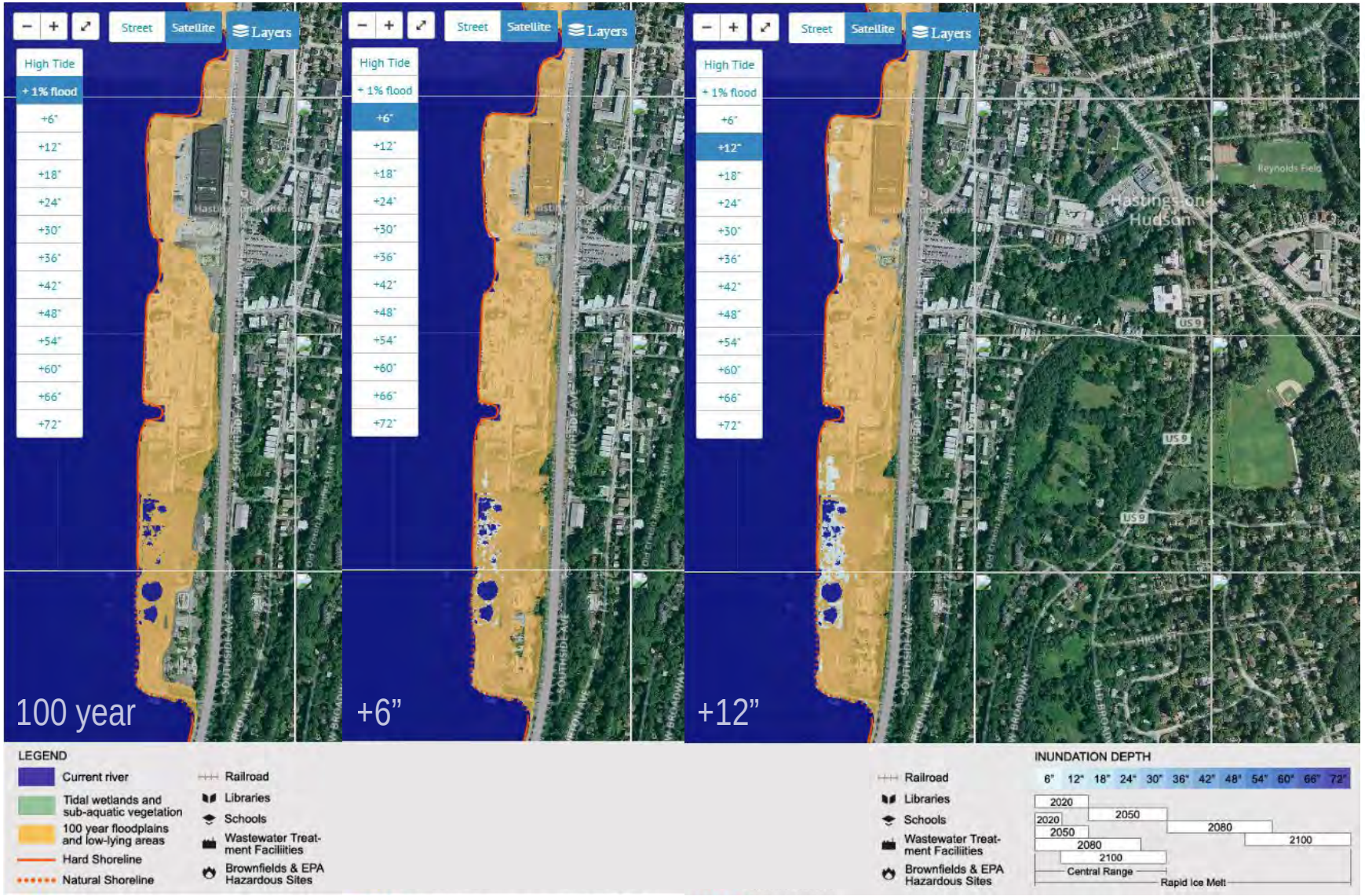
Final Plan & Renderings

January 16, 2018

Final Report

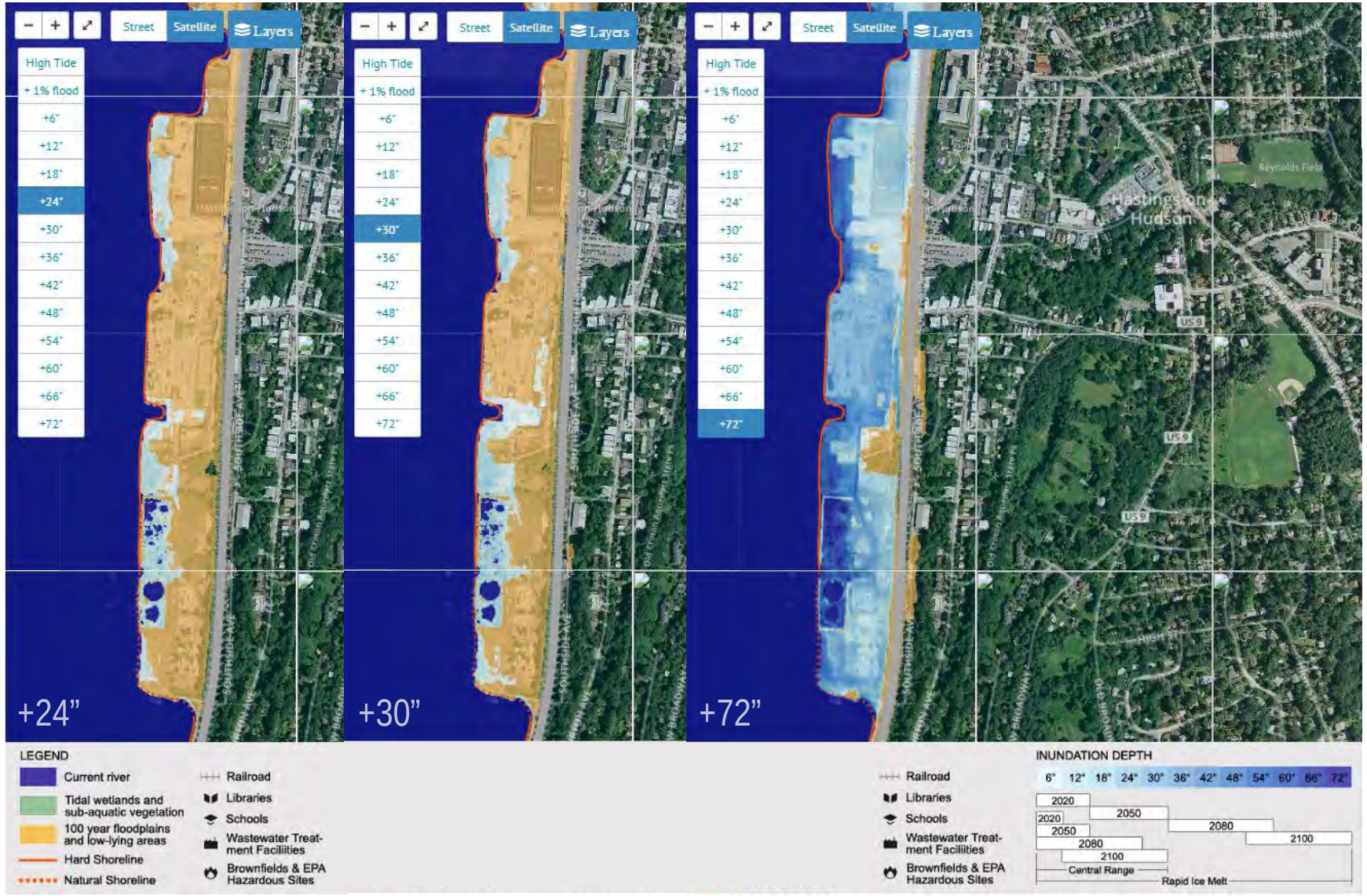
TBD

Hastings-On-Hudson Conceptual Shoreline Plan



	2020s	2050s	2080s	2100
Central Range	2"-5"	7"-12"	12"-23"	15"-30"
Rapid Ice Melt	5"-10"	19"-29"	41"-55"	56"-72"

Scenic Hudson
Sea Level Rise Mapper
http://www.scenichudson.org/slr/mapper



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Scenic Hudson
Sea Level Rise Mapper
http://www.scenichudson.org/slr/mapper

SUMMER

EXIT

FALL

Public Needs & Wants:

Central Plaza

- Ferry Terminal
- Café/Restrooms
- Optional Small Marina

Passive recreation

- Walk/bike trails
- Access to natural areas

Programmatic Elements

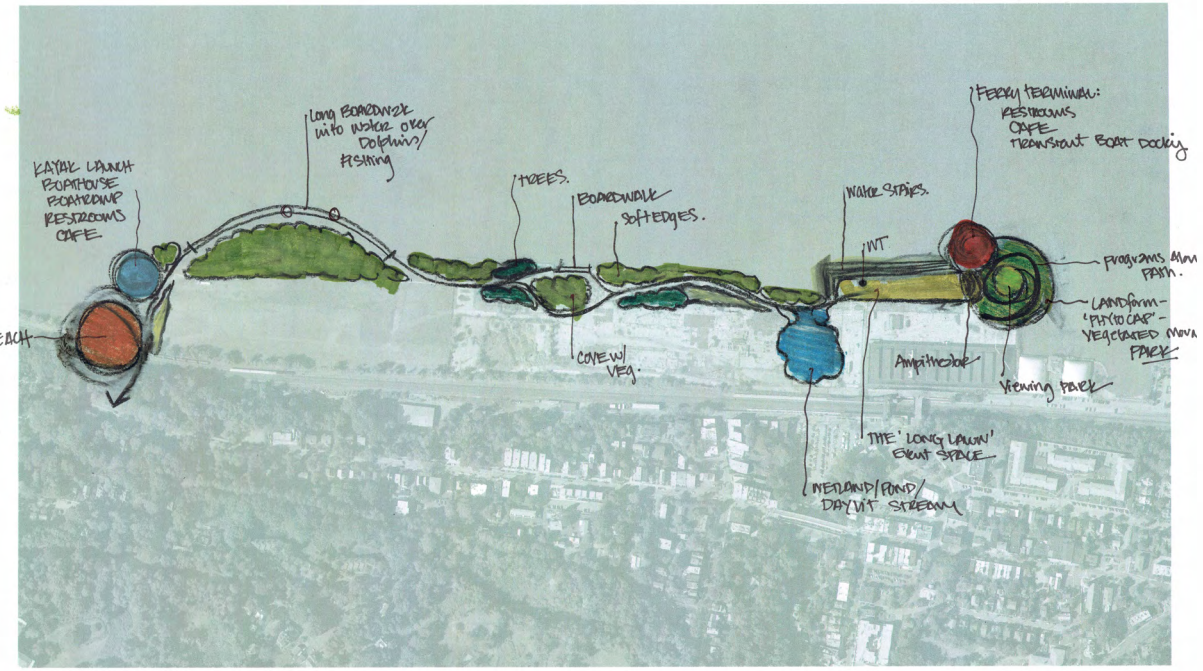
- Boathouse/ kayaking
- Playground
- Flexible Lawn

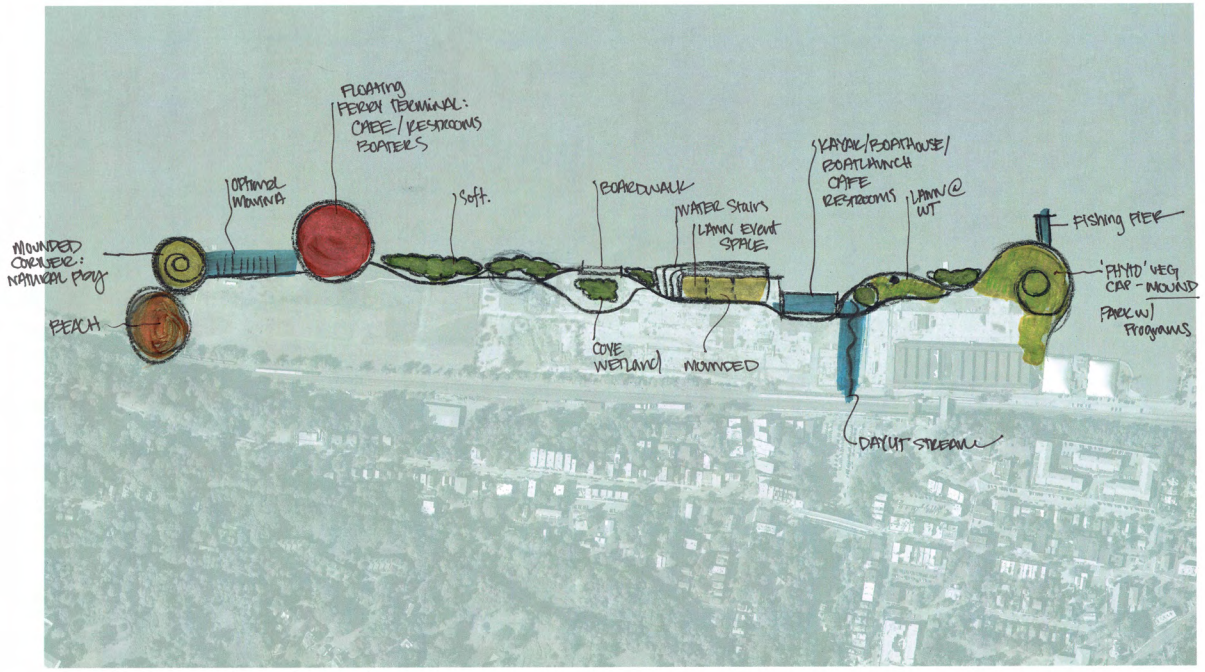
Natural Elements

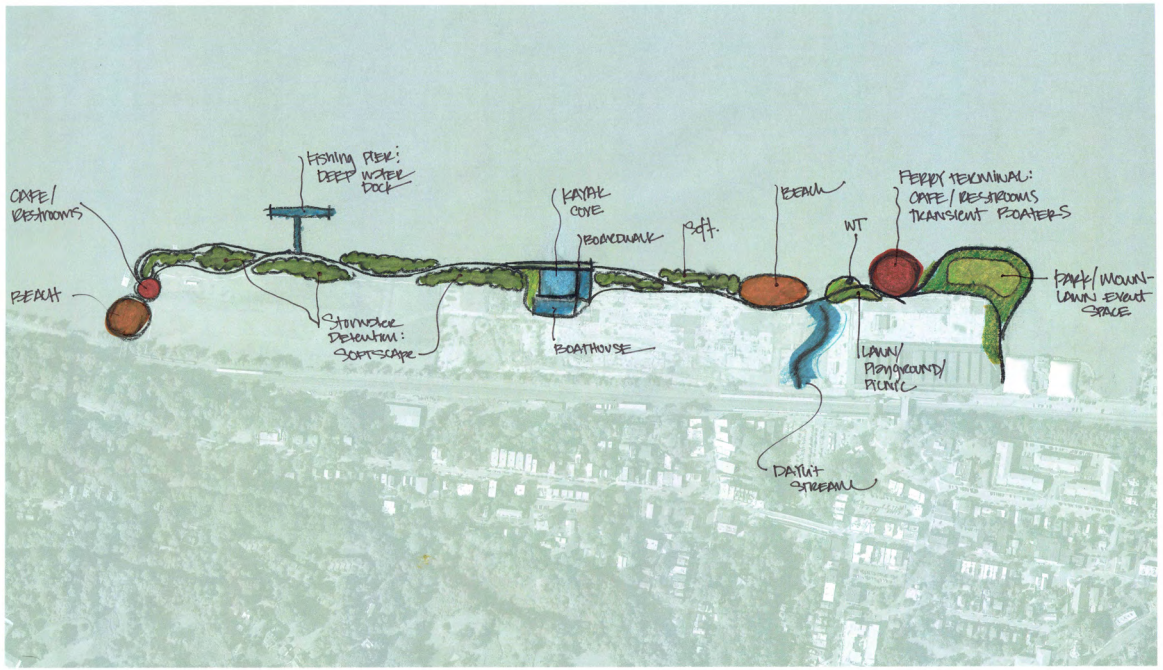
- Stormwater retention pond
- Connection to existing creek

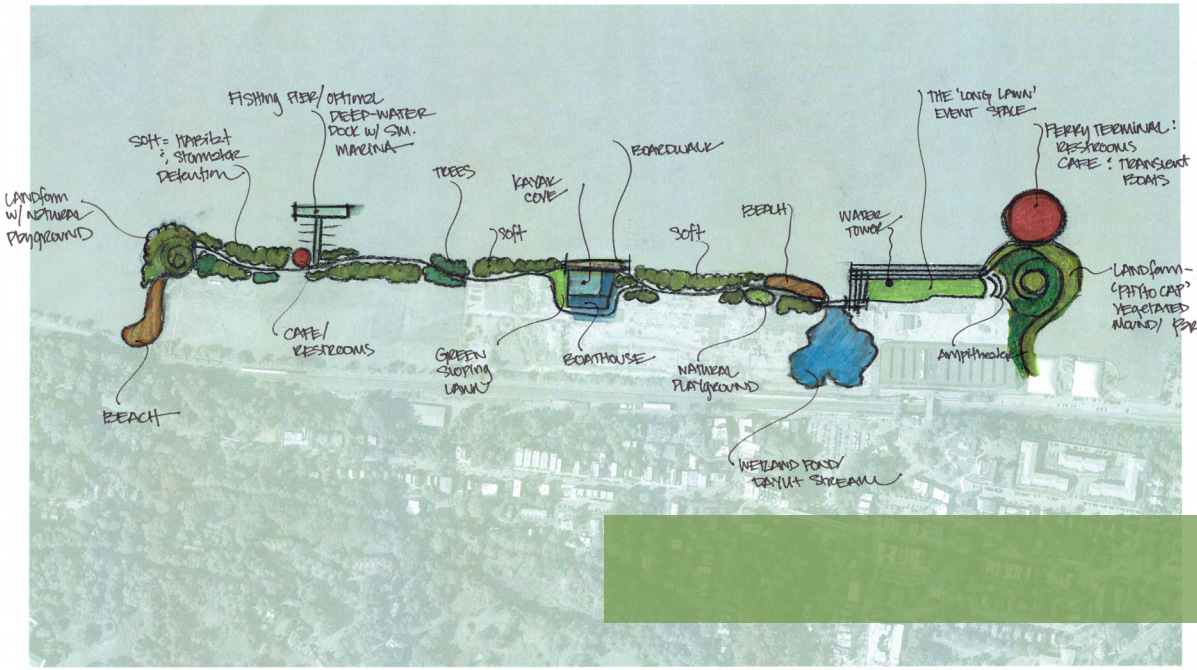
South Site Programming

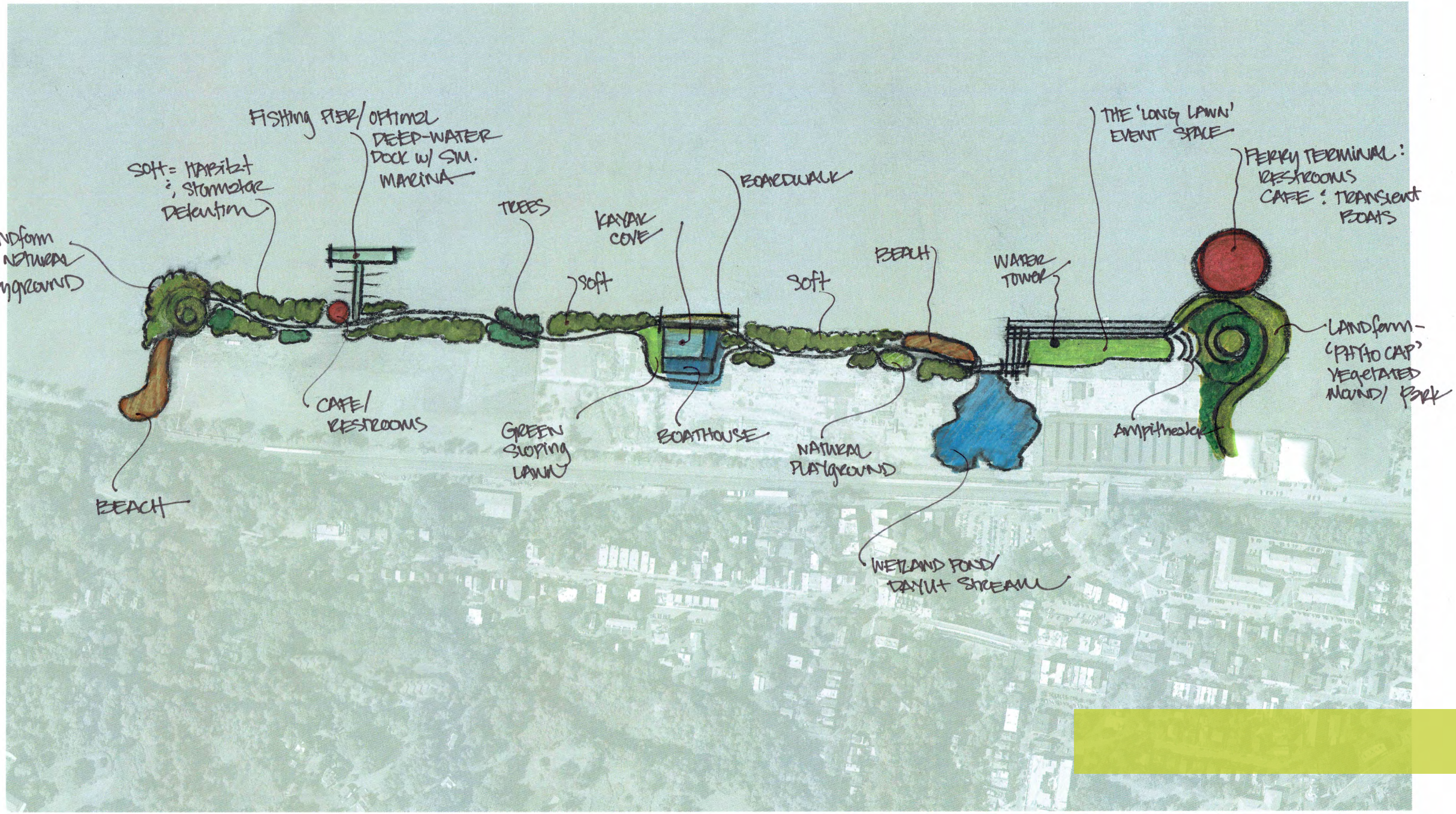
- Beach
- Fishing Pier/ Utilize Dolphins
- Natural areas + Enhanced Ecology


KAYAK LAUNCH
BOATHOUSE
BOARDWALK
RESTROOMS
CAFE
LONG BOARDWALK INTO WATER OVER DOLPHINS/ FISHING
TREES.
BOARDWALK
SOFT EDGES.
WATER STAIRS.
WT
FERRY TERMINAL:
RESTROOMS
CAFE
TRANSIENT BOAT DOCKING
PROGRAMS ALON PATH.
LANDFORM-
'PATIO CAP'-
VEGETATED MOUND
PARK
BEACH
COVE W/ VEG.
AMPITHEATER
VIEWING PARK
THE 'LONG LAWN'
EVENT SPACE
WETLAND/POND/
DAYLIT STREAM


FLOATING
FERRY TERMINAL:
CAFE/RESTROOMS
BOATERS
OPTIONAL MARINA
SOFT.
BOARDWALK
WATER STAIRS
LAWN EVENT
SPACE.
KAYAK/BOATHOUSE/
BOATLAUNCH
CAFE
RESTROOMS
LAWN @
WT
FISHING PIER
MOUNDED
CONTAINER:
NATURAL PLAY
'PATIO' VEG
CAP - MOUND
PARK W/
PROGRAMS
BEACH
COVE
WETLAND
MOUNDED
DAYLIT STREAM


CAFE/
RESTROOMS
FISHING PIER:
DEEP WATER
DOCK
KAYAK
COVE
BOARDWALK
SOFT.
BEACH
WT
FERRY TERMINAL:
CAFE/RESTROOMS
TRANSIENT BOATERS
PARK/MOUND-
LAWN EVENT
SPACE
BEACH
STORMWATER
DETENTION:
SOFTSCAPE
BOATHOUSE
LAWN/
PLAYGROUND/
PICNIC
DAYLIT
STREAM


FISHING PIER/ OPTIONAL
DEEP-WATER
DOCK W/ SM.
MARINA
THE 'LONG LAWN'
EVENT SPACE
SOFT= HABITAT
&, STORMWATER
DETENTION
BOARDWALK
FERRY TERMINAL:
RESTROOMS
CAFE & TRANSIENT
BOATS
TREES
KAYAK
COVE
LANDFORM
W/ NATURAL
PLAYGROUND
SOFT
SOFT
BEACH
WATER
TOWER
LANDFORM-
'PATIO CAP'
VEGETATED
MOUND/ PARK
CAFE/
RESTROOMS
GREEN
SLOPING
LAWN
BOATHOUSE
NATURAL
PLAYGROUND
AMPITHEATER
BEACH
WETLAND POND/
DAYLIT STREAM

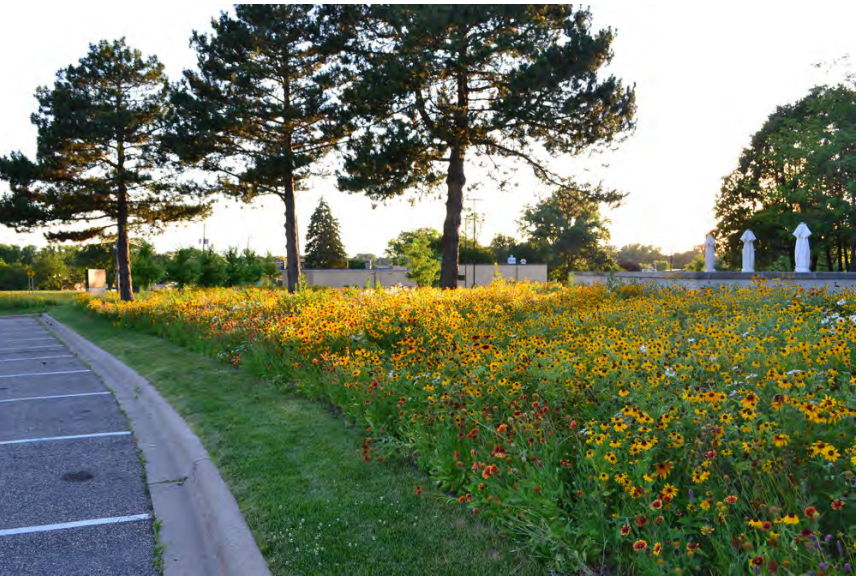

Fishing Pier/ Optimal Deep-Water Dock w/ Sm. Marina
Soft = Habitat & Stormwater Detention
Landform w/ Natural Playground
Trees
Kayak Cove
Boardwalk
Soft
Beach
Soft
Water Tower
The 'Long Lawn' Event Space
Ferry Terminal: Restrooms Cafe & Transient Boats
Landform - 'Phyto Cap' Vegetated Mound/ Park
Cafe/ Restrooms
Green Sloping Lawn
Boathouse
Natural Playground
Amphitheater
Beach
Wetland Pond/ Dayut Stream

Community Lawn
Section B
Path
Access Road
to Plaza & Parking
Trail
Boardwalk
Salt Marsh
Ferry Terminal
& Cafe
Vegetated
Mound
Section A
Steps
Lawn
Section A
Steps down
to Marsh
Salt Marsh
Art
Section C
Habitat / Vegetation Area
Boathouse
Kayak
Launch
Art
Natural Playground
Trail
Trail
Path
Viewing
Platform
Plaza
Playground
Esplanade
Boat Docks
Rock Wave Break
Section B
Section C
Ferry

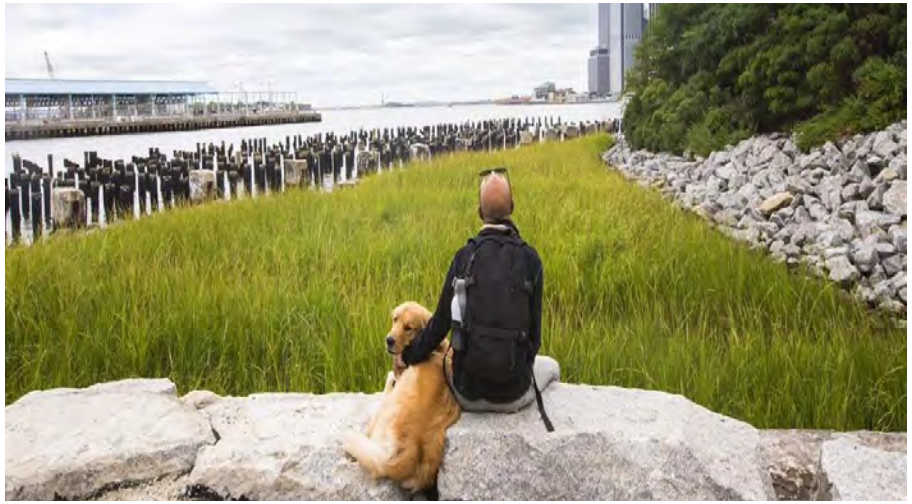
NORTH SITE - Water Access and Ferry Terminal

NORTH SITE - Great Lawn and Esplanade

NORTH SITE - Topography/ phytoremediation



NORTH SITE - Meadow Habitat



NORTH COVE - Marsh Habitat Creation

SOUTH COVE - Boathouse and Kayak Ramp

SHORELINE - Bulkhead

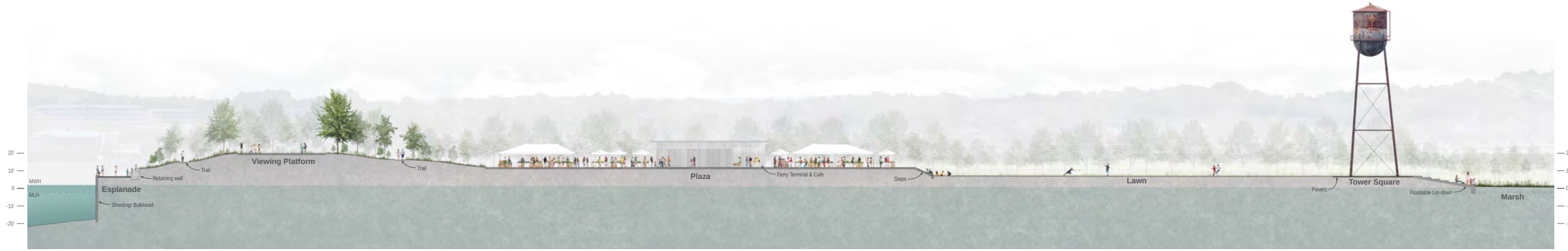
SHORELINE - Riprap/ Marsh Edge

SHORELINE - Living Shoreline Stabilization Elements

NYSDEC Feedback:

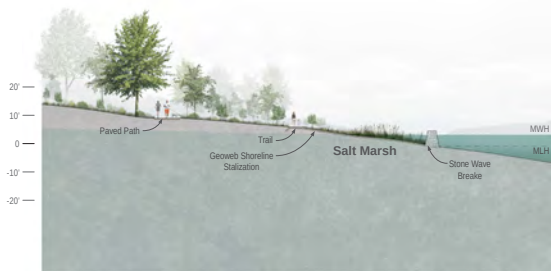
- Structures (e.g., docks, boathouse) would require permit review and approval
  - set back 50 ft from shoreline
- Restricted public access around recovery wells/pump house
- Public access would require posting a public advisory along the walkways and piers to discourage fish consumption
- Mitigation preference =
  - intertidal marsh within north and south coves
- Utilize excavation areas for intertidal marsh creation
- Break up linear shoreline
- Minimize riprap on slopes
- Minimize stone sill/wave break

Playground
Community Lawn
Vegetated Mound
Section A
Viewing Platform
Access Road to Plaza & Parking
Ferry Terminal & Cafe
Plaza
Esplanade
Ferry
Steps
Section B
Salt Marsh
Trail
Path
Boardwalk
Lawn
Boat Docks
Section B
Section A
Steps down to Marsh Trail
Floating dock over armored shoreline
Salt Marsh
Stormwater Green Infrastructure
Art
Section C
Rock Wave Break
Section C
Habitat / Vegetation Area
Trail
Trail
Boathouse
Kayak Launch
Art Installation
Natural Playground
Stormwater Green Infrastructure
Path



Section A
1" = 20'

Section B
1" = 20'



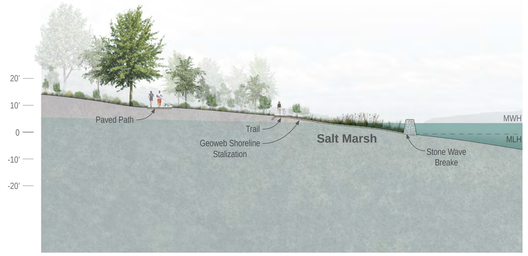
Section C
1" = 20'

TAKE ME TO
THE RIVER
MUSIC & ART
FESTIVAL

ROUX offshoots PRODUCTIVE LANDSCAPES

Section A
1" = 20'

Section B
1" = 20'



Section C
1" = 20'

Playground
Community Lawn
Vegetated Mound
Section A
Viewing Platform
Access Road to Plaza & Parking
Ferry Terminal & Cafe
Steps
Plaza
Esplanade
Ferry
Section B
Salt Marsh
Trail
Boardwalk
Path
Lawn
Boat Docks
Section A
Steps down to Marsh Trail
Floating dock over armored shoreline
Section B
Salt Marsh
Stormwater Green Infrastructure
Art
Rock Wave Break
Section C
Trail
Habitat / Vegetation Area
Section C
Trail
Boathouse
Kayak Launch
Art Installation
Natural Playground
Stormwater Green Infrastructure
Path

Plan
1" = 50'

TAKE ME TO
THE RIVER
MUSIC & ARTS
FESTIVAL