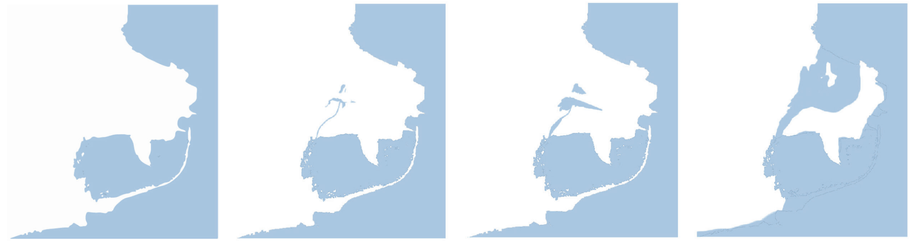
BLUE: KINGSTON'S NEW GREEN

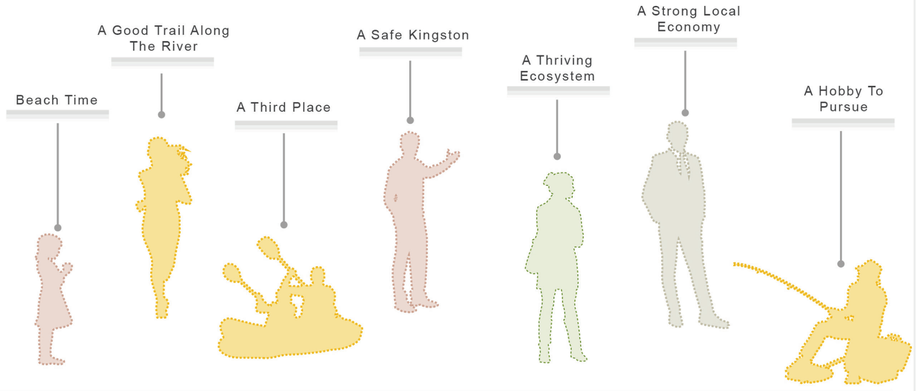
DESIGNING IN SYNC WITH THE CITY'S WATER

SLR Projections



Year: 2017 Year: 2020 Year: 2050 Year: 2080

A Design For Kingston By Kingston



Revisiting Kingston's Antiquity

The Vision For Kingston

Ecology

Creating an environment for sustaining and regenerating the rich ecosystem by designing in sync with water

Economy

Creating an environment which supports as well as strengthens local economy, through revenue and job generation

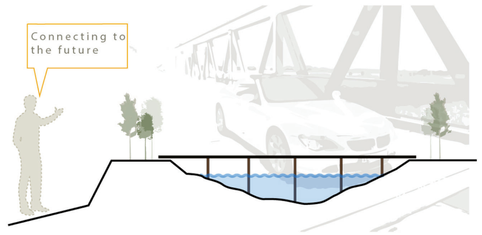
Socio-Cultural

Creating an environment which reflects the socio-cultural ethos and justifies the vibrant society of Kingston

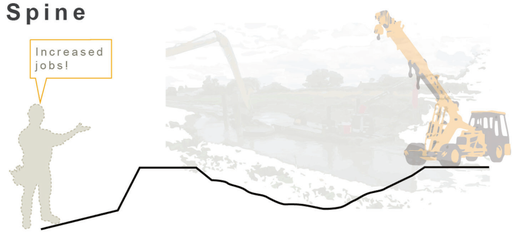
History

Creating an environment which reflects Kingston rich history, through tangible as well as intangible design aspects

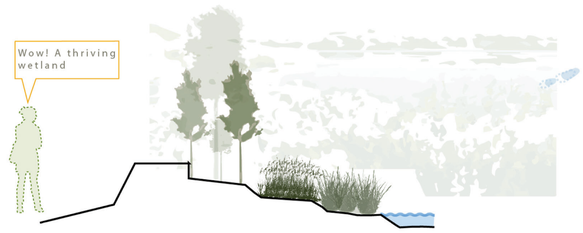
New River - The Central Spine



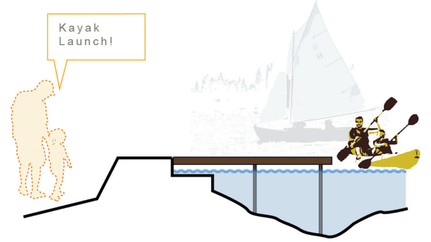
Vehicular Bridge - A corridor connecting Kingston to the world and world to Kingston



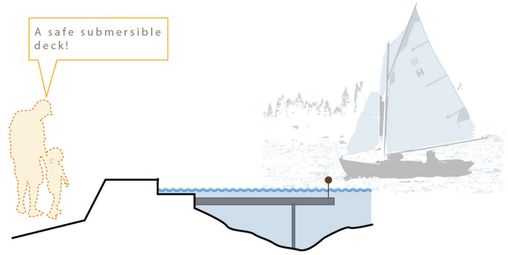
The new water channel - Tremendous opportunities for job generation. The idea to consolidate local economy



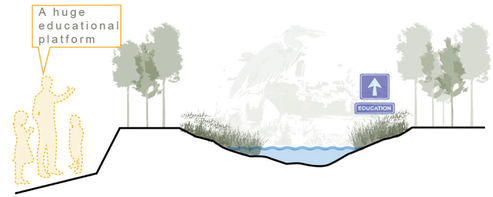
Generative Wetlands - A concept of using topography to create adaptive wetlands which sustain themselves over the future



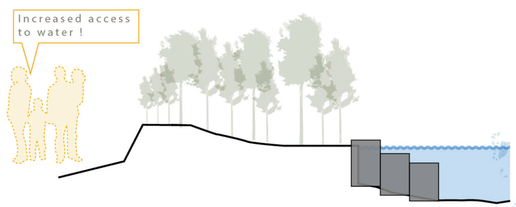
The Kayak Launch - Provides opportunities for recreation, revenue generation and education



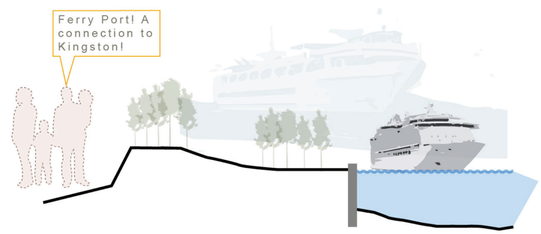
Submersible recreation spaces - Controlled floodable decks for recreation



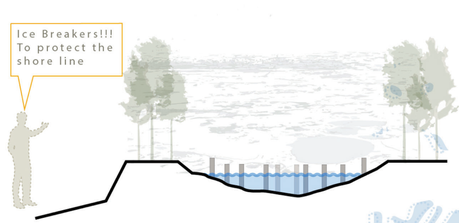
The new water channel - Environmental education and direct access to nature.



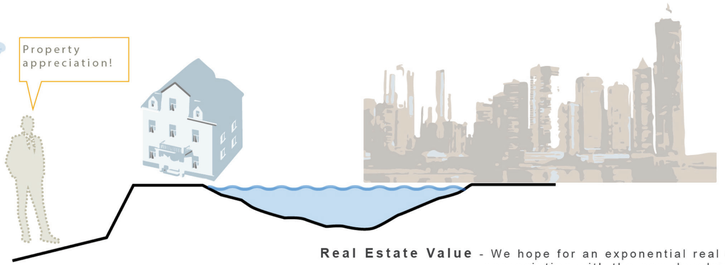
Multipurpose Shorelines - Robust shorelines that protect and inspire.



Increased Accessibility To Kingston - Tremendous opportunities for job generation. The idea to consolidate local economy



Ice Breakers - Maintaining a safe zone for the shoreline and users.



Real Estate Value - We hope for an exponential real estate appreciation with the new developments

PARTH DIVEKAR & SARA VANDENBROEK

BLUE: KINGSTON'S NEW GREEN

DESIGNING IN SYNC WITH THE CITY'S WATER

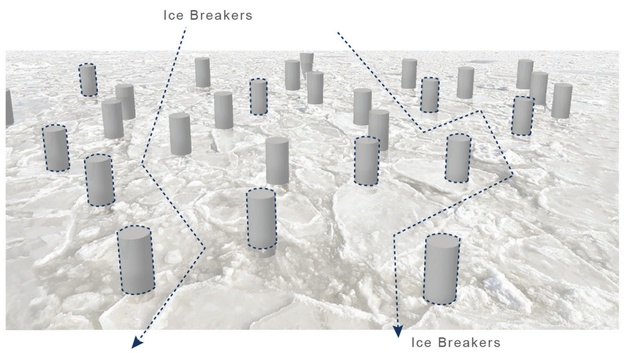
Kingston's Own Hudson

Plan -River (Not To Scale)

N

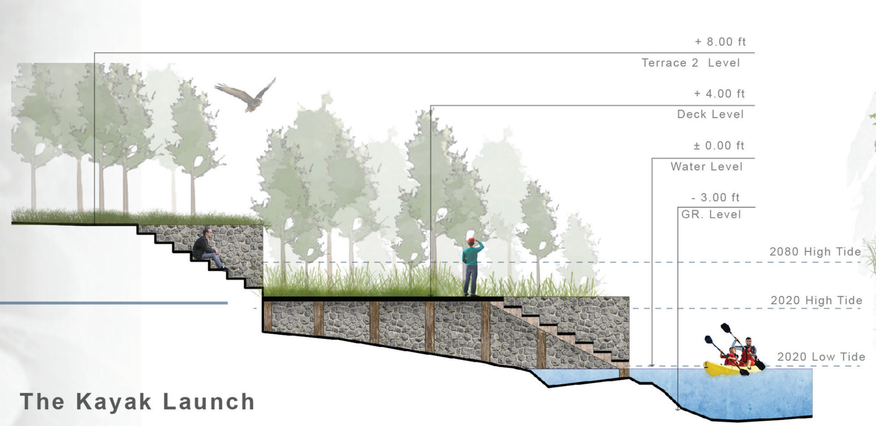
The River Entry

The intention is to generate a safe water front for the city which is capable of generating opportunities for recreation, education and revenue generation



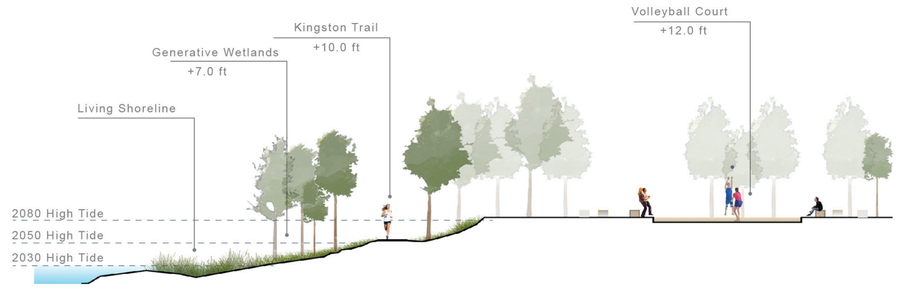
View - River Entry

The Kayak Launch



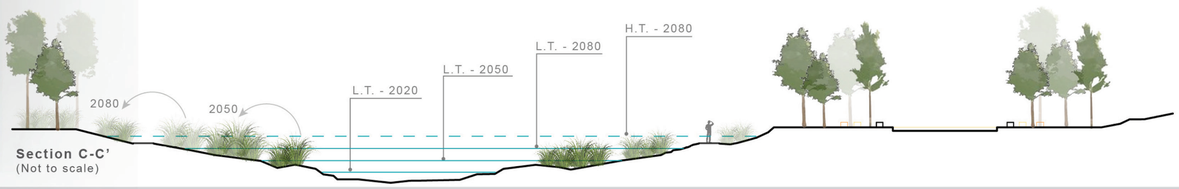
Section A-A'
(Not to scale)

The Connections



Section B-B'
(Not to scale)

The Wetland Mechanics



Section C-C'
(Not to scale)

Generative wetlands is a concept which aims at not just restoring but also generating diverse wetland habitats through terracing. The tearrces are designed such that for every specific period each terrace will be inundated for half a day, thus creating a wetland conducive habitat

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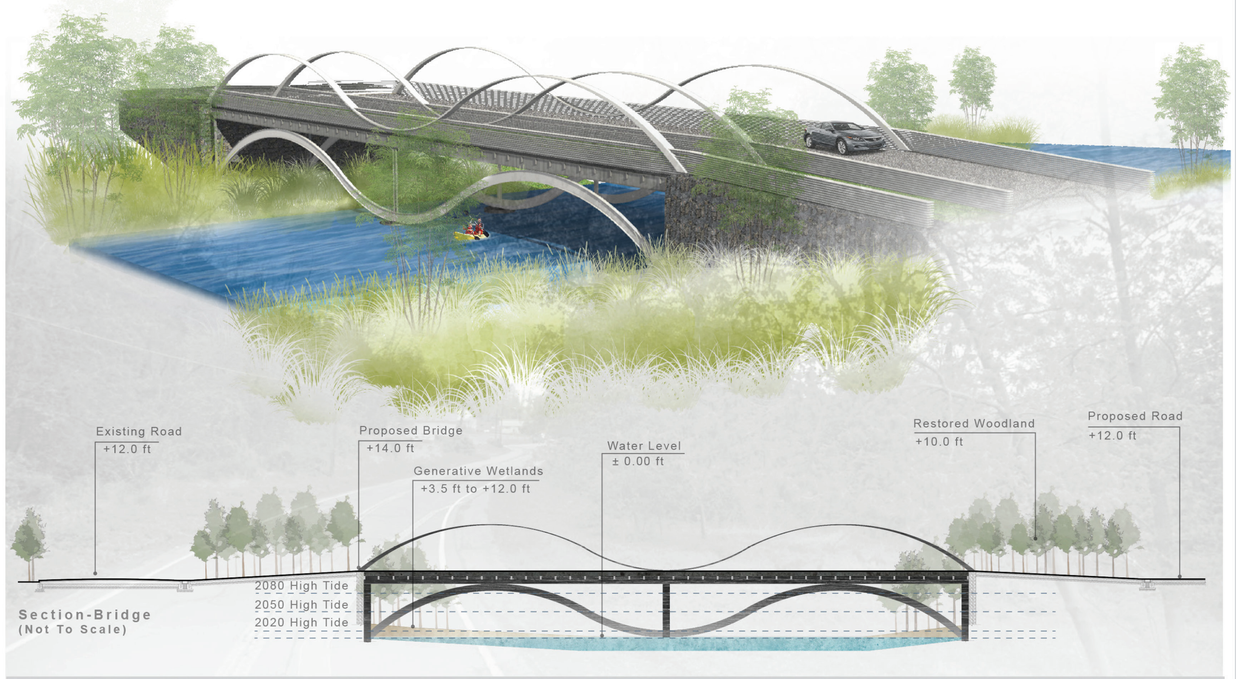
BLUE: KINGSTON'S NEW GREEN

DESIGNING IN SYNC WITH THE CITY'S WATER

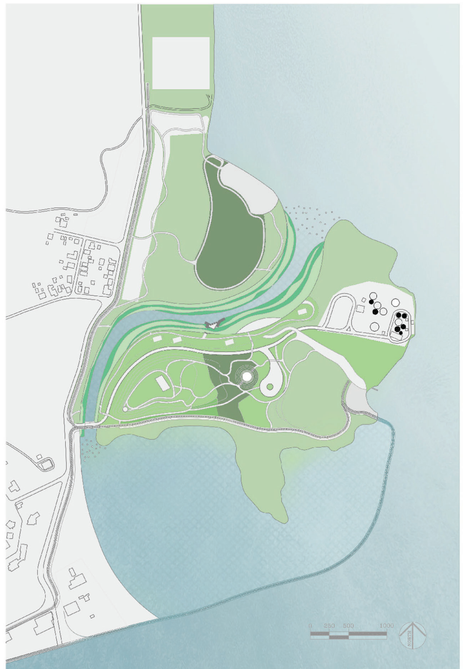
Connection To Possibilities



The Third Place

An Adaptible Planting Palette

Planting Zones:



Retained Existing

***Includes species such as:**

Quercus spp.	*Oak spp.*
Acer spp.	*Maple spp.*
Viburnum spp.	*Viburnum spp.*

Subaquatic Vegetation:

Acorus americanus	American sweetflag
Ceratophyllum demersum	Coontail
Vallisneria americana	Wild cellery
Potamogeton perfoliatus	Clasping-leaf pondweed
Stuckenia pectinata	Sago pondweed

Lower Intertidal Zone:

Osmunda regalis	Royal fern
Schoenoplectus acutus	Common tule
Sagitaria montevidensis spongiosa	Hooded arrowhead
Sagittaria latifolia	Duck potato
Cyperus esculentus	Yellow nutsedge
Dulichium arundinaceum	Three-sided sedge
Eleocharis spp.	Eleocharis
Schoenoplectus pungens	Common three-square

Upper Intertidal Zone:

Betula nigra	River birch
Osmunda regalis	Royal fern
Asclepias incarnata	Swamp milkweed
Cephalanthus occidentalis	Buttonbush
Calamagrostis canadensis	Reedgrass
Caltha palustris	Marsh marigold
Carex stricta	Upright sedge
Ilex verticillata	Winterberry

Scrub/Shrub:

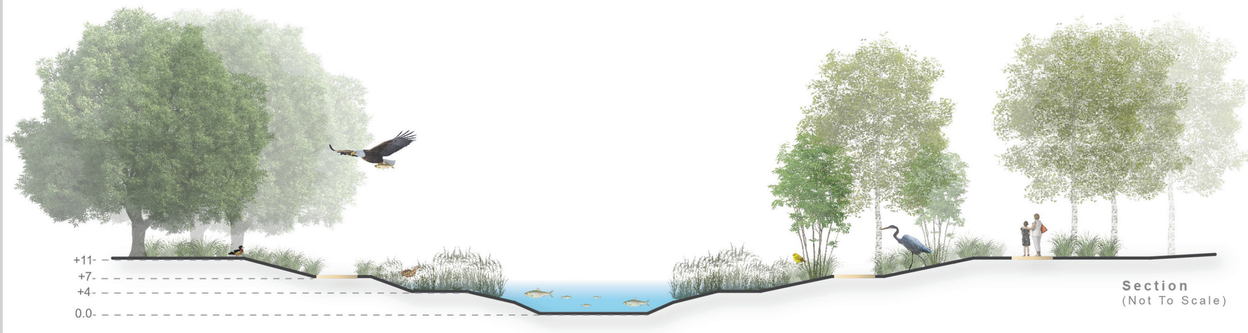
Cephalanthus occidentalis	Buttonbush
Cornus amomum	Silky dogwood
Cornus racemosa	Greydogwood
Cornus sericea	Redtwig dogwood
Myrica pensylvanica	Northern bayberry
Baccharis halimifolia	Eastern barberry
Ilex verticillata	Winterberry

Floodplain Forest:

Acer saccharinum	Silver maple
Acer rubrum	Red maple
Aronia arbutifolia	Red chokecherry
Asclepia incarnata	Swamp milkweed
Celtis occidentalis	Common hackberry
Cephalanthus occidentalish	Buttonbush
Cornus amomum	Silky dogwood
Liquidambar styraciflua	American sweetgum
Nyssa sylvatica	Pepperidge
Quercus palustris	Pinoak

Intertidal zones will fluctuate as waterlevels rise. Tier 1 will disappear by 2050.

Habitat: 2050 Low Tide

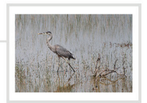


Aquatic:

Alosa sapidissima	Striped bass
Anguilla rostrata	American eel
Morone saxatilis	Alewife
Alosa pseudoharengus	American shad
Ameiurus nebulosus	Brown bullhead catfish

Tidal zones:

Ixobrychus exilis	American bittern
Cistothorus palustris	Marsh wren
Tringa solitaria	Solitary sandpiper
Megaceryle alcyon	Belted kingfisher
Ardea herodias	Great blue heron



Floodplain Forest:

Aix sponsa	Wood duck
Baeolophus bicolor	Tufted titmouse
Sitta carolinensis	White-breasted nuthatch
Vireo gilvus	Warbling vireo
Haliaeetus leucocephalus	Bald Eagle

Scrub/Shrub:

Colaptes auratus	Northern flicker
Vireo griseus	White eyed vireo
Buteo jamaicensis	Red-tailed hawk
Poecile atricapillus	Black-capped chickadee
Setophaga petechia	Yellow warbler

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Kingston Phasing Plans:

2020:

Remediation, The Third Place, Trails, Bridge, Tier Construction Begins

2030:

Tier Completion, Wetland Plant Installation, SubmersibleDecks, Ice Breakers

2040:

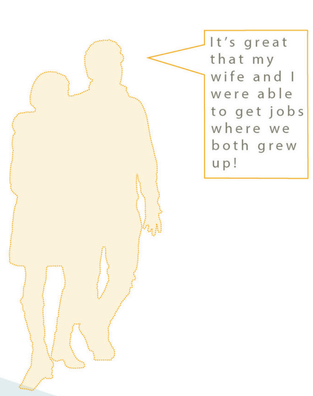
Beach, Island, Trail extension

2050:

Develop outer edges

I love to watch the big dump trucks moving the dirt at Kingston Point Park!

This weekend, my friends and I are going to the waterfront to get some ice cream and hang out on the submersible decks.

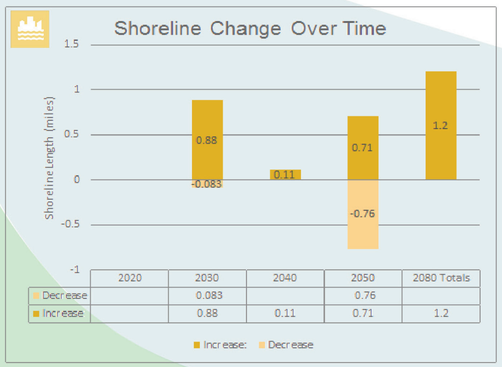


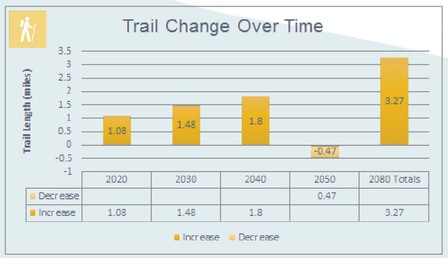
It's great that my wife and I were able to get jobs where we both grew up!

I'm excited to see what new things Kingston will have to offer for my children.

Kingston Metrics:

2020	NA	NA	NA	6.2 Acres	1 acre	NA	+3	NA
2030	3.26 Acres	1.63 Acres	1.63 Acres	NA	NA	NA	NA	.88 miles
2040	NA	NA	NA	NA	4.8 acres	NA	+2	.39 miles
2050	39.38 Acres	1.95 Acres	1.95 Acres	NA	NA	+4	+4	NA
2080	+42.64 Acres Subaquatic Vegetation	+1.95 Acres Lower Intertidal Zone	+1.95 Acres Upper Intertidal Zone	+6.2 Acres Scrub/Shrub	+5.8 Acres Floodplain Forest	+4 Future Sites	+9 Attractions	+1.27 Miles





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BLUE: KINGSTON'S NEW GREEN

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Site Plan
(Scale - As mentioned)

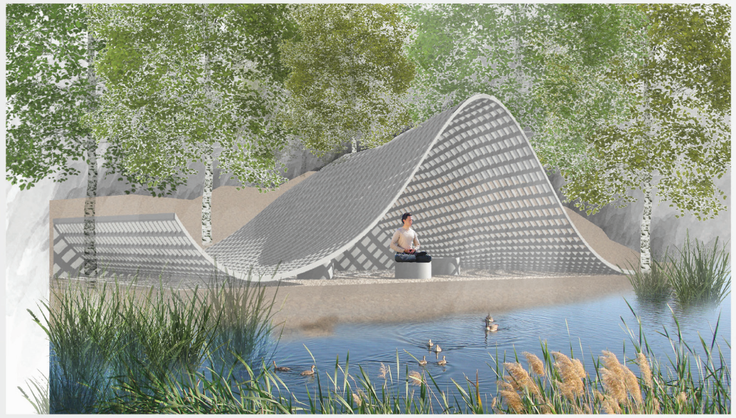
The Interface

What makes the interface between land and water exceptional?

The Sound | The Touch | The Reflection | The Flow | The Distant Views

Amphitheatre

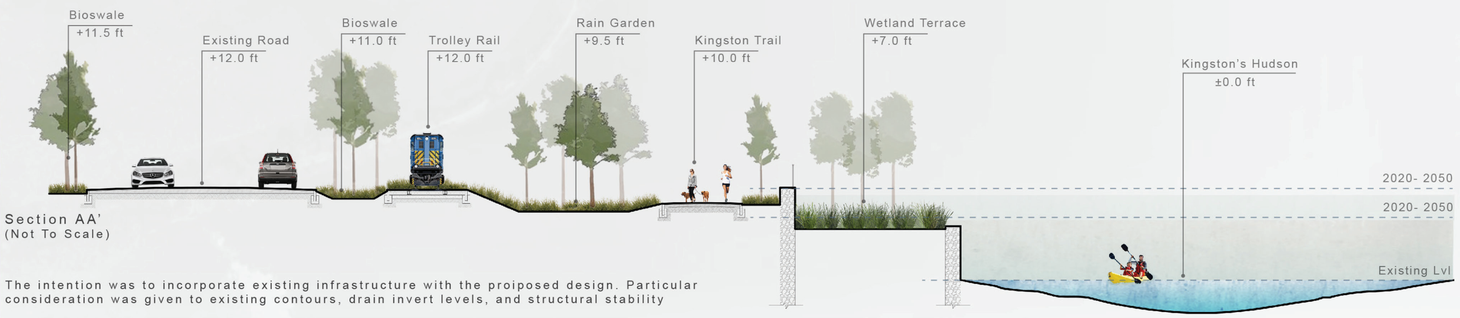
Meditation Coves



Submersible elements

Edge Protectors

Relation between land, water and existing elements



Section AA'
(Not To Scale)

The intention was to incorporate existing infrastructure with the proiposed design. Particular consideration was given to existing contours, drain invert levels, and structural stability

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