

ACTIPELAGO

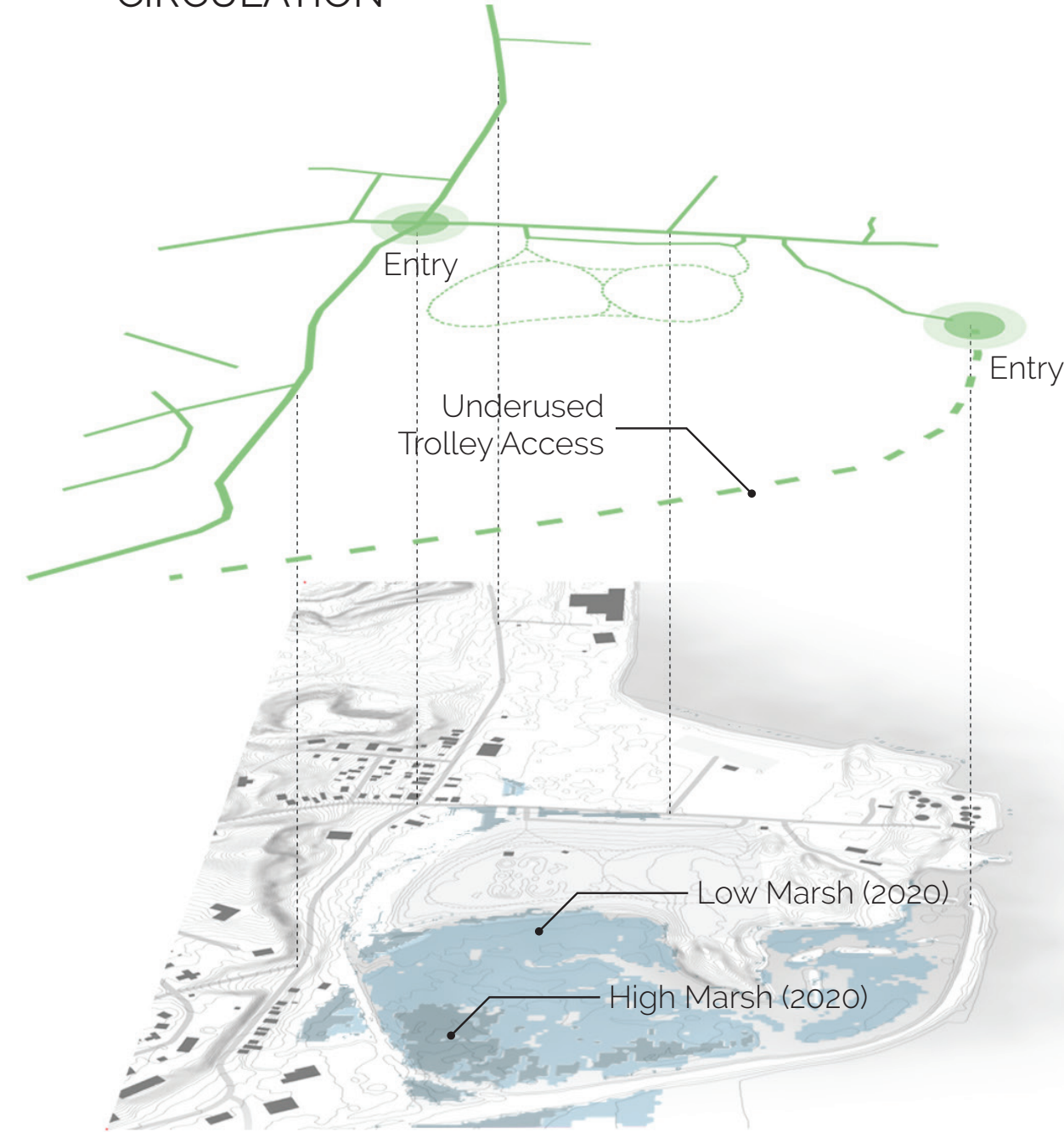
Yifu Kang, Xuru Yuan | LA 6020 | Cornell University | Spring 2017

STATEMENT

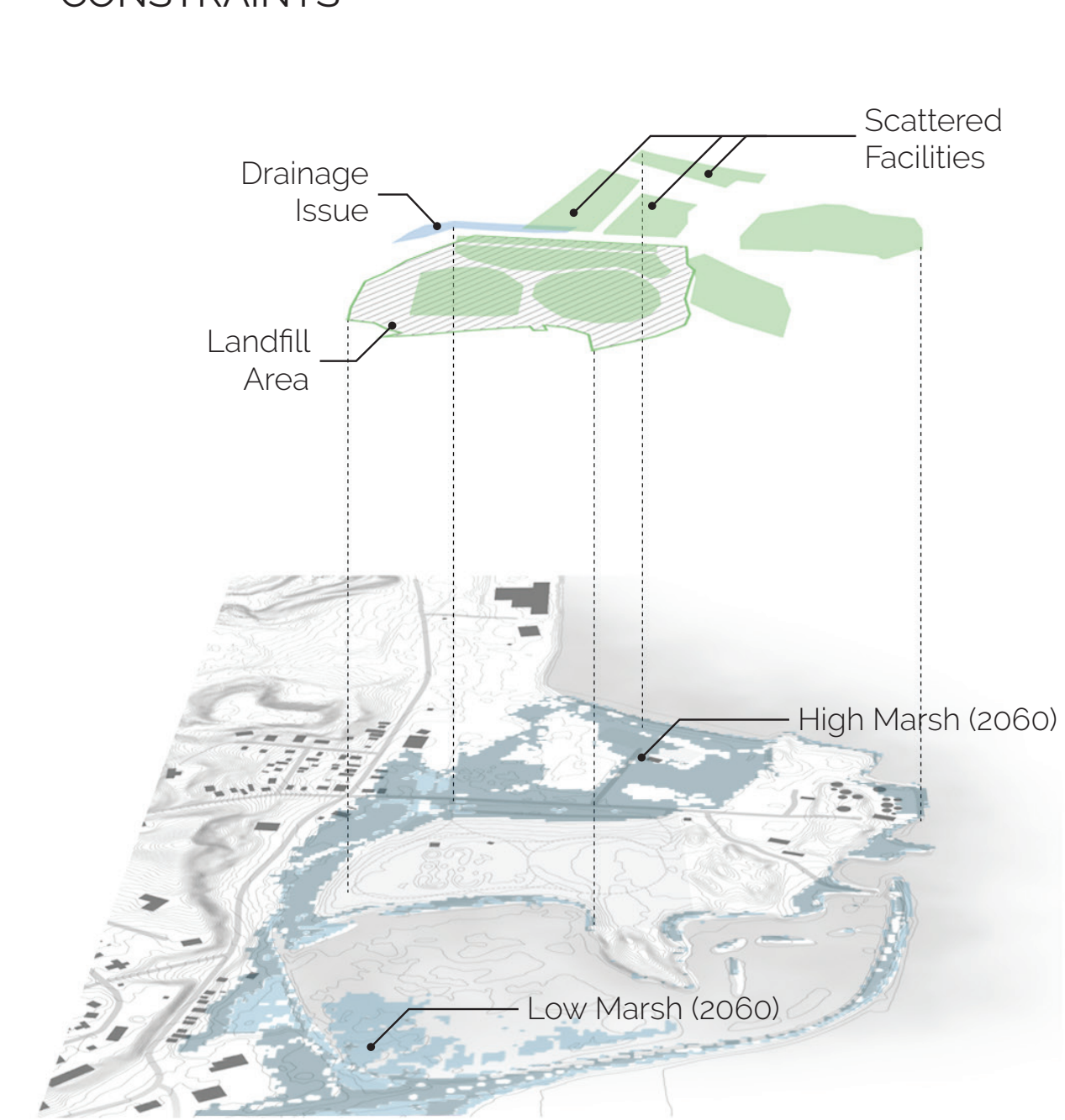
Kingston Point would become a **flood-adaptive recreational area** that attracts both local residents and travelers. Modifications on the landform and utilities need to be made to accommodate different users. The concept "ACTIPELAGO" comes from the combination of **active** and **archipelago**. The goal is to build both on-land archipelago-like activity areas that can resist flooding events and the archipelago in water to help **rebuild lost wetland** in the future and **increase water access**. Cohesiveness is another purpose. Because of the unique layout of the archipelago, two types of archipelagos will work together to allow Kingston Point to become a **unity** with a lot of sub-spaces providing a potential for different types of activities and mitigating flood.

SITE ANALYSIS

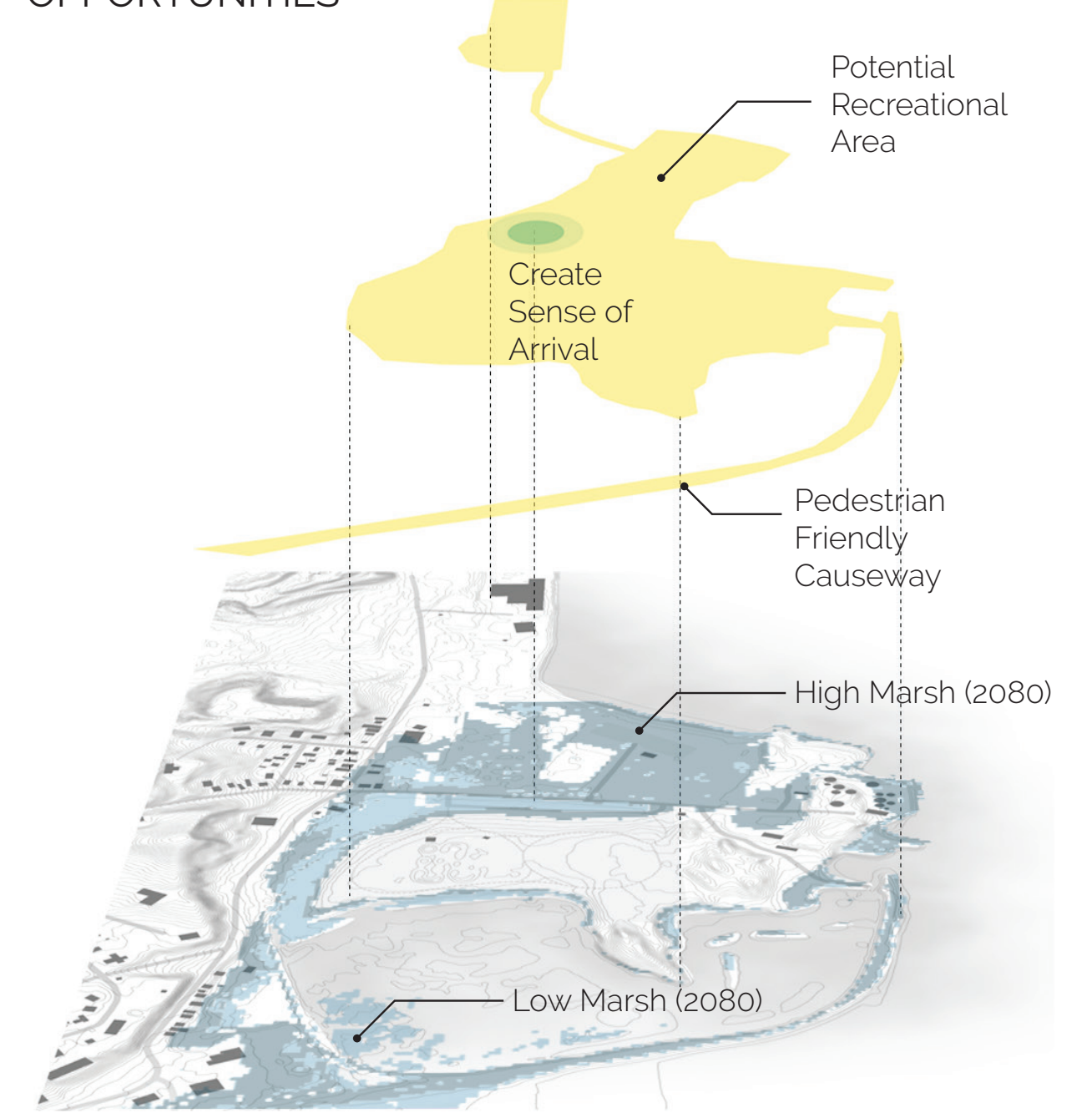
CIRCULATION



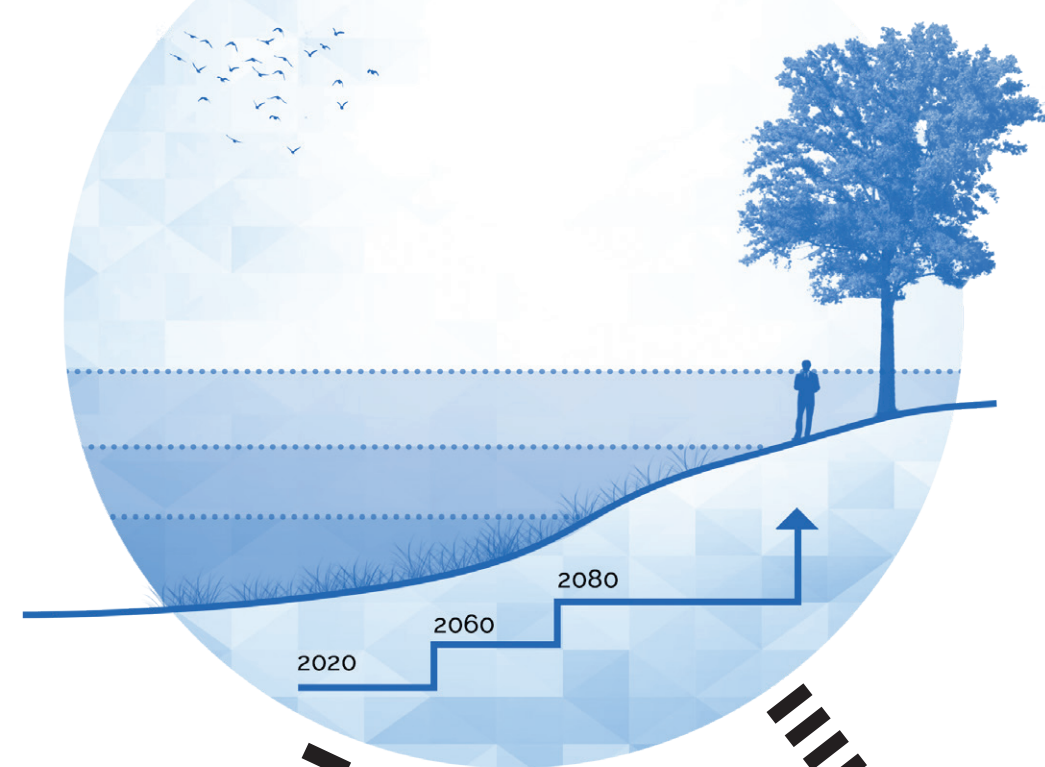
CONSTRAINTS



OPPORTUNITIES



ADAPTIVE TO CLIMATE CHANGE



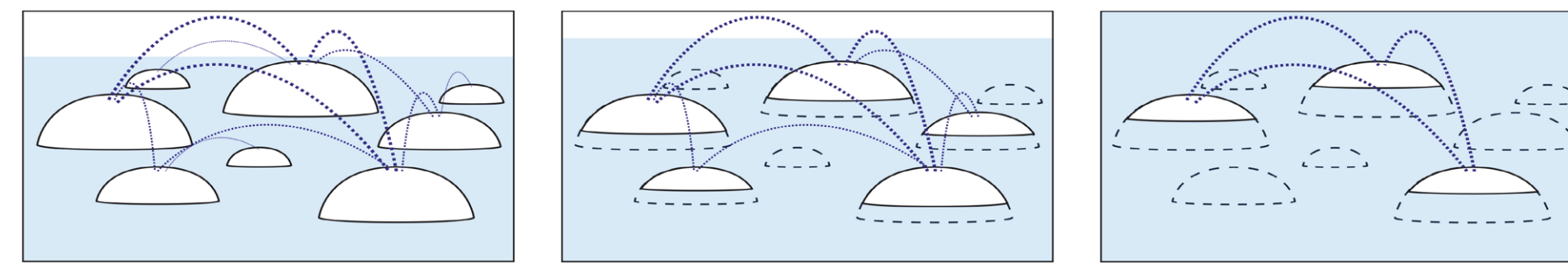
IMPROVE LAYOUT COHESIVENESS



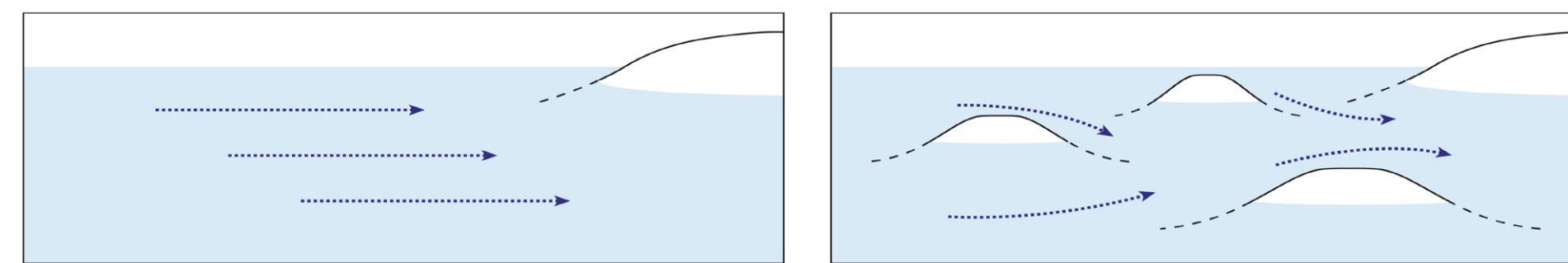
MORE ACTIVITIES AND ENGAGEMENT



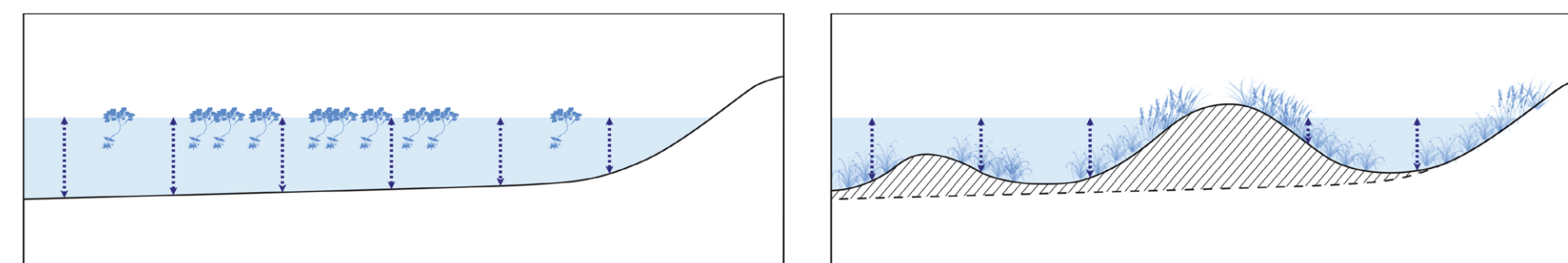
CONCEPT - ARCHIPELAGO



FLEXIBLE CONNECTIVITY: Main Islands Remain Connected When Water Level Change



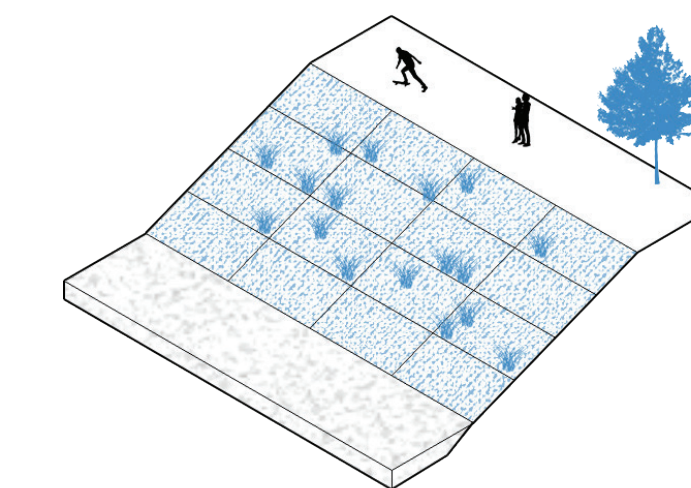
WATER MOVEMENT CONTROL: Mitigate Water Movement When Flood Event Happens



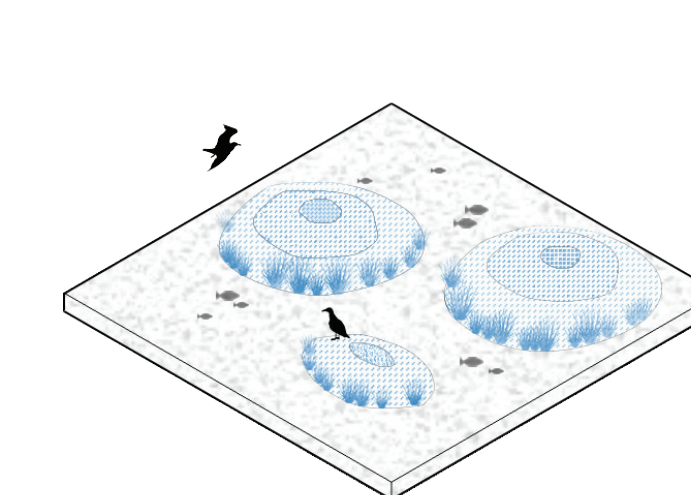
WATER DEPTH VARIATION: Provide Diverse Habitats for a Variety of Aquatic Plant Species

DESIGN INTENTS

ADAPTIVE

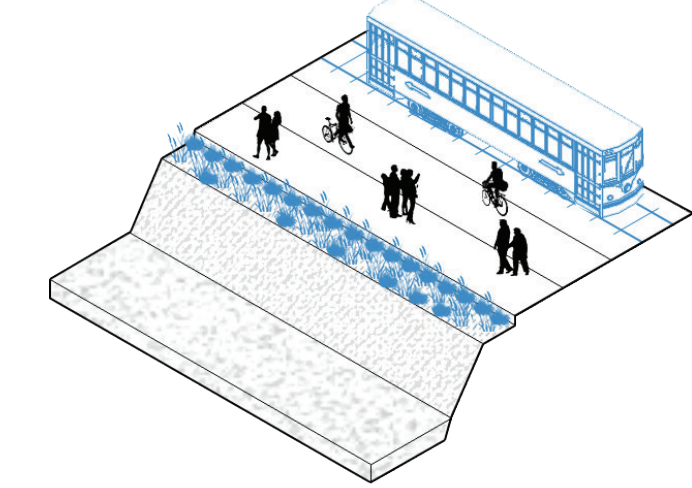


Erosion Protection
Add Riprap

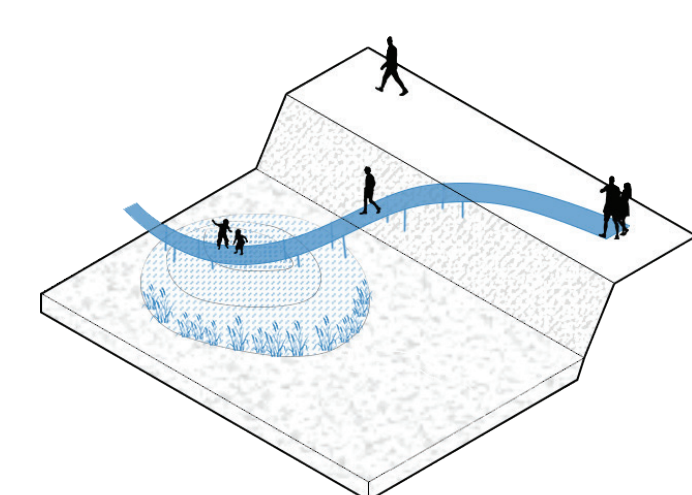


Rebuild Wetland
Create Back Wildlife Habitat

ACTIVE

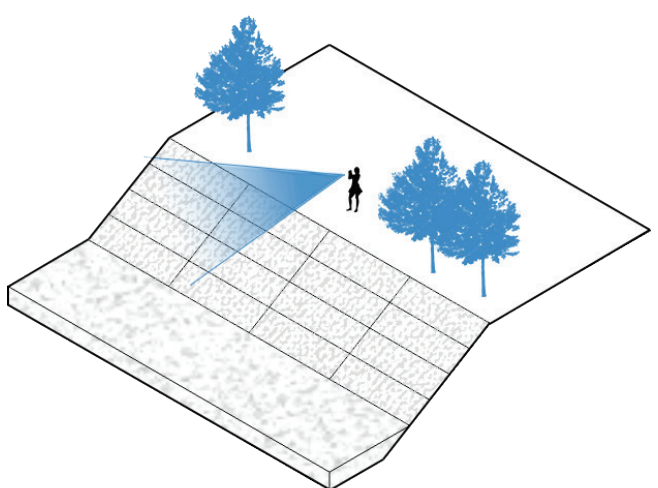


Multi-accessible Causeway
Become Walk/Bike Friendly

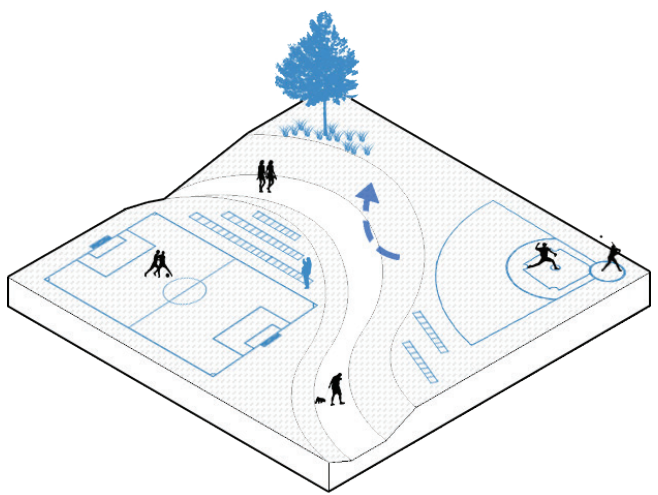


Elevated Boardwalk
Bring People to Water

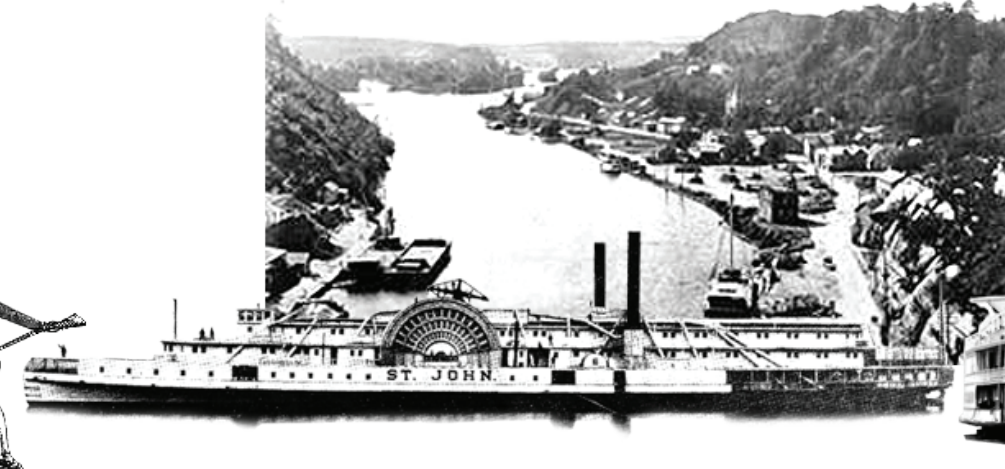
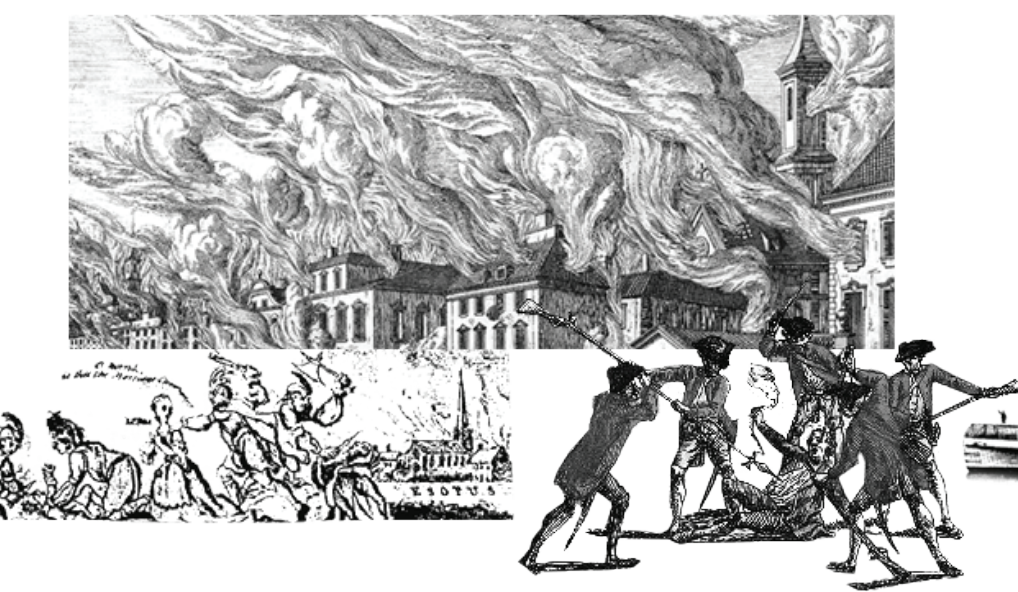
COHESIVE



Create View Point
Enhance Visual Connection



Improve Playground Layout
Layout Pattern to Be Cohesive



1777

Kingston became the **first NYS capital**. On Oct. 16 - Kingston was **burned by British troops** who landed on Kingston Point.

1829

Opening of the Delaware and Hudson Canal. Kingston Point became the **major river-port**.

1896

Kingston Point became **one of the stops** of the Hudson River Day Line that ran between New York and Albany.

1897

Kingston Point Park was created, Famous for the amusements it offered.

1899

The **Oriental Hotel** was built on a bluff overlooking Kingston Point Park.

1903

Kingston Point Park **drew one million visitors** with an average daily attendance of 3000 people.

1922

The **Oriental Hotel** **burned** down.

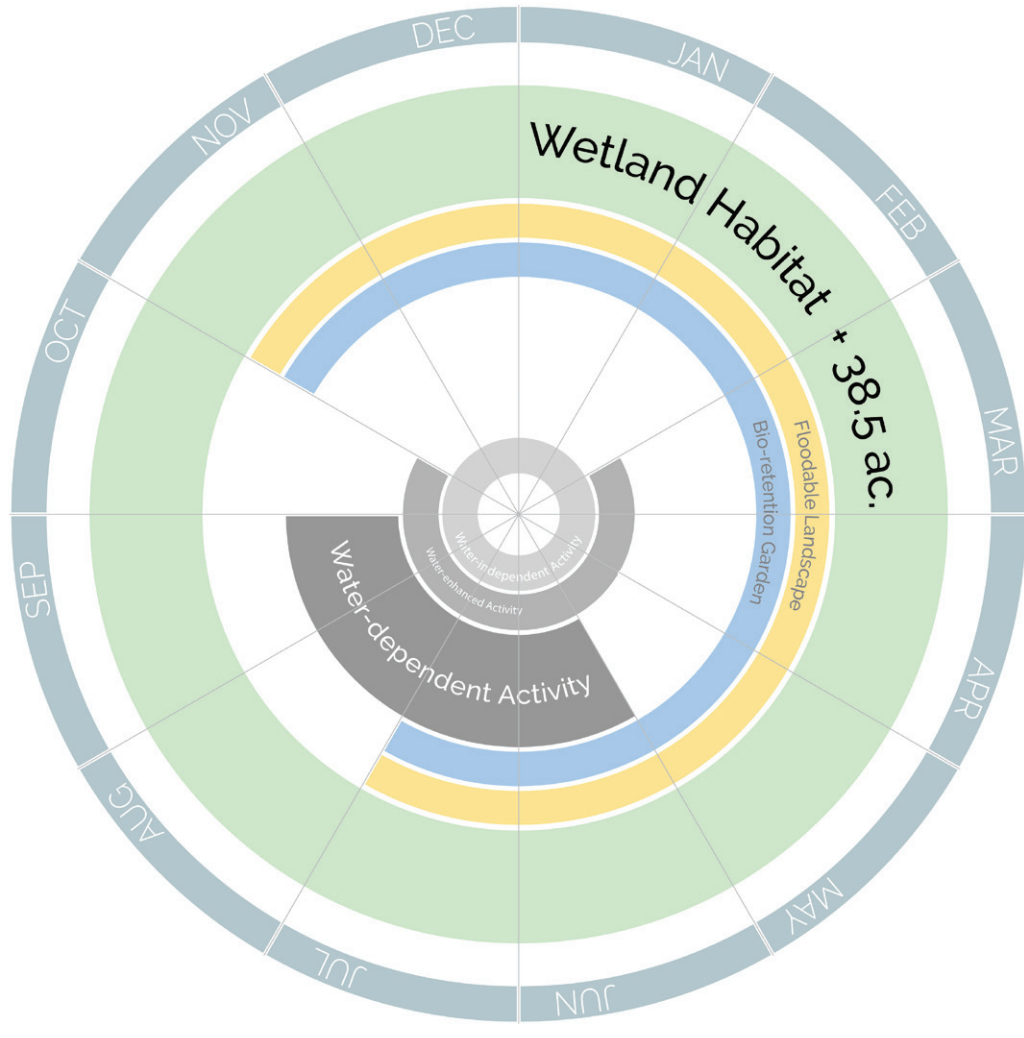
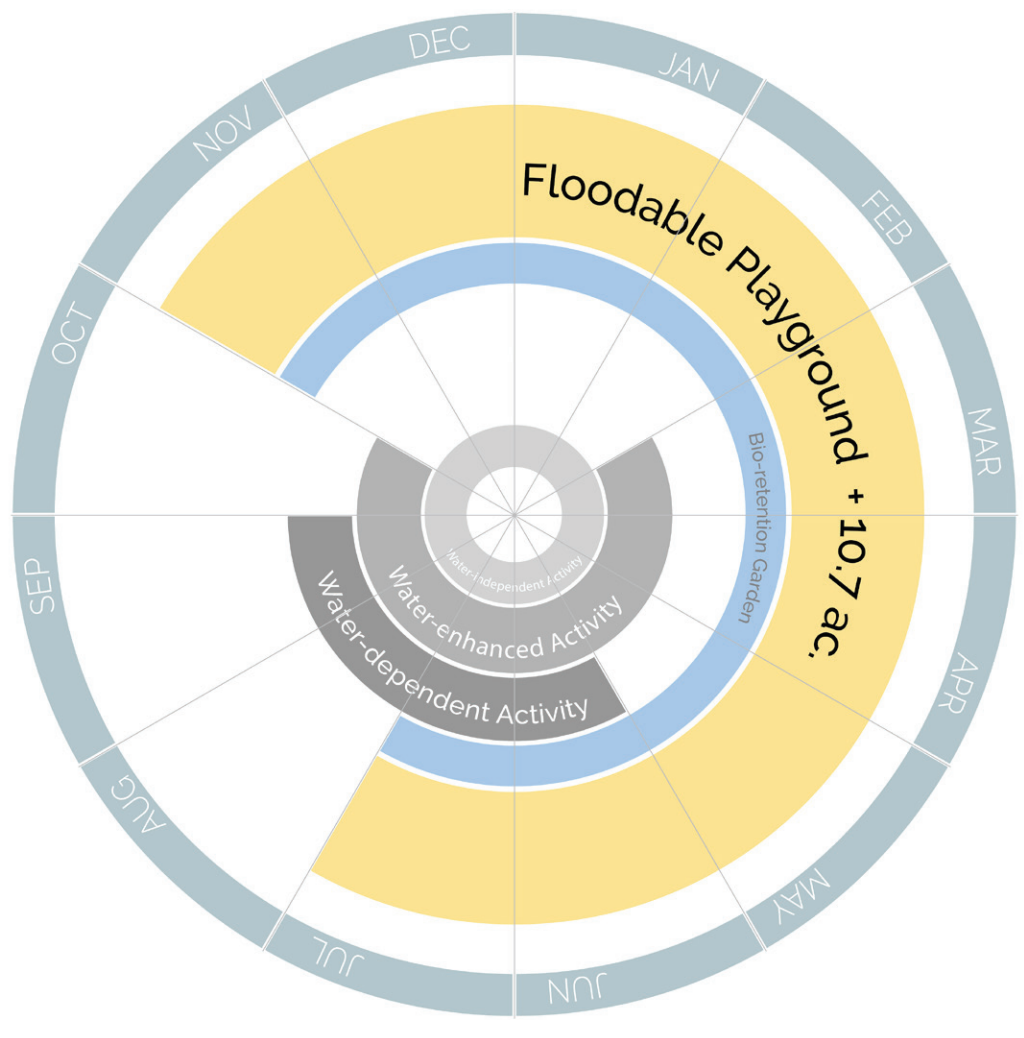
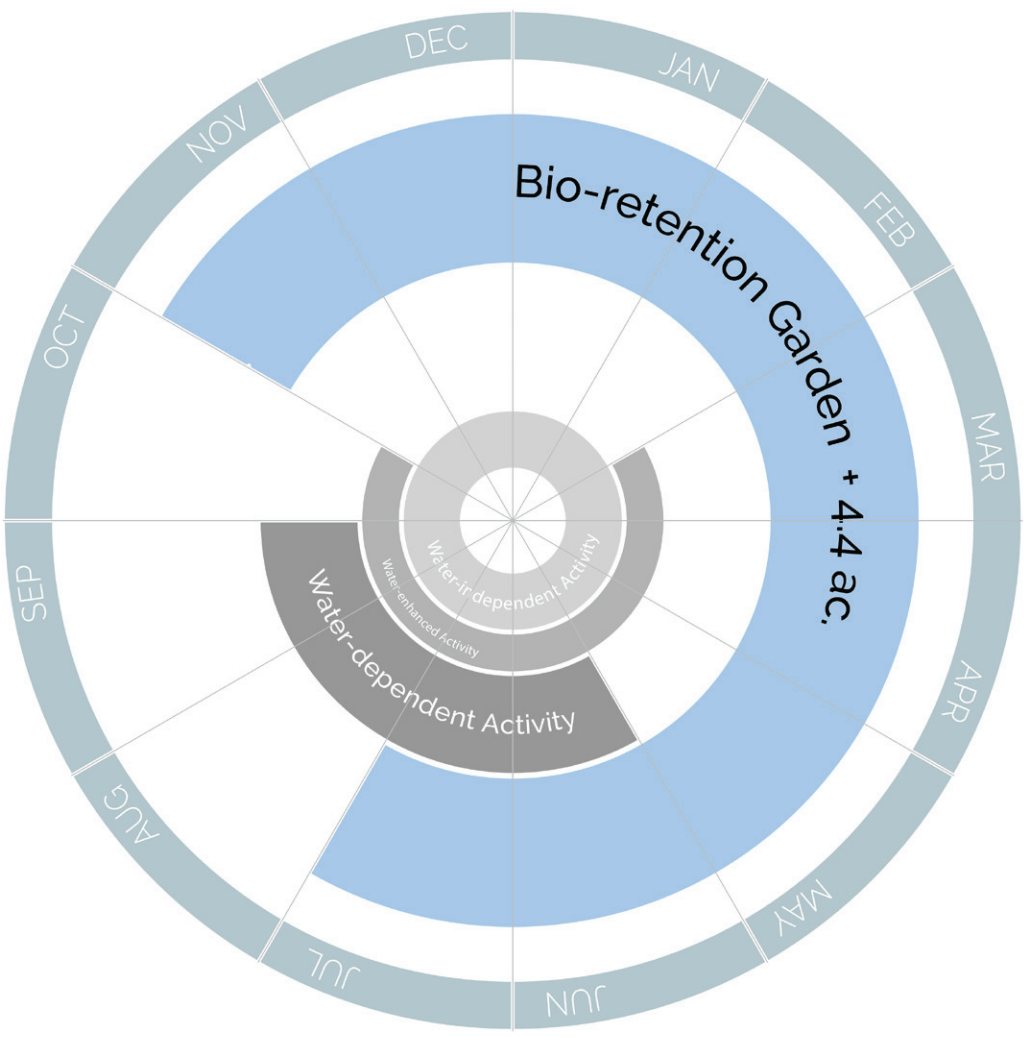
1931

Kingston Point Park was **closed**.

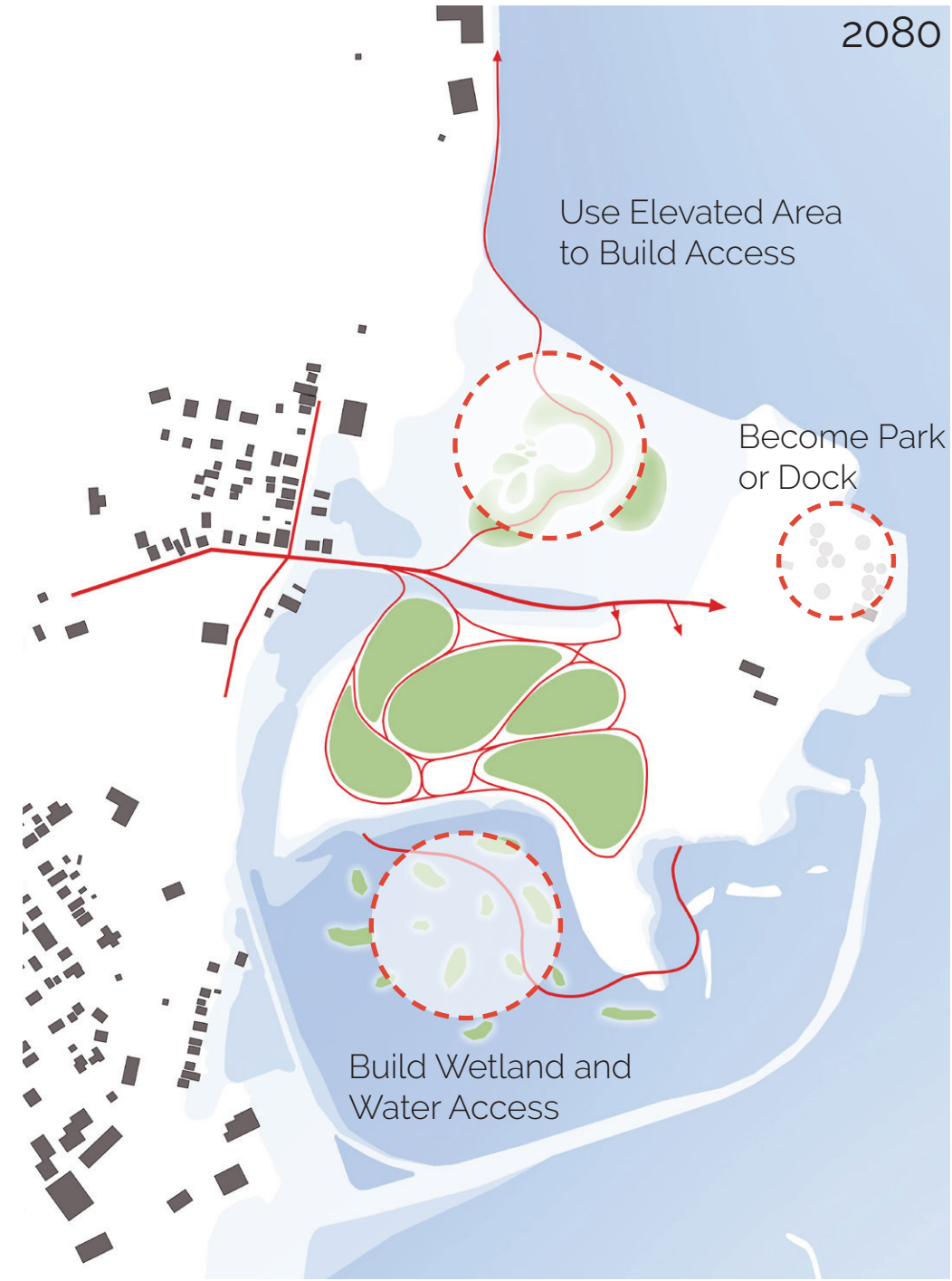
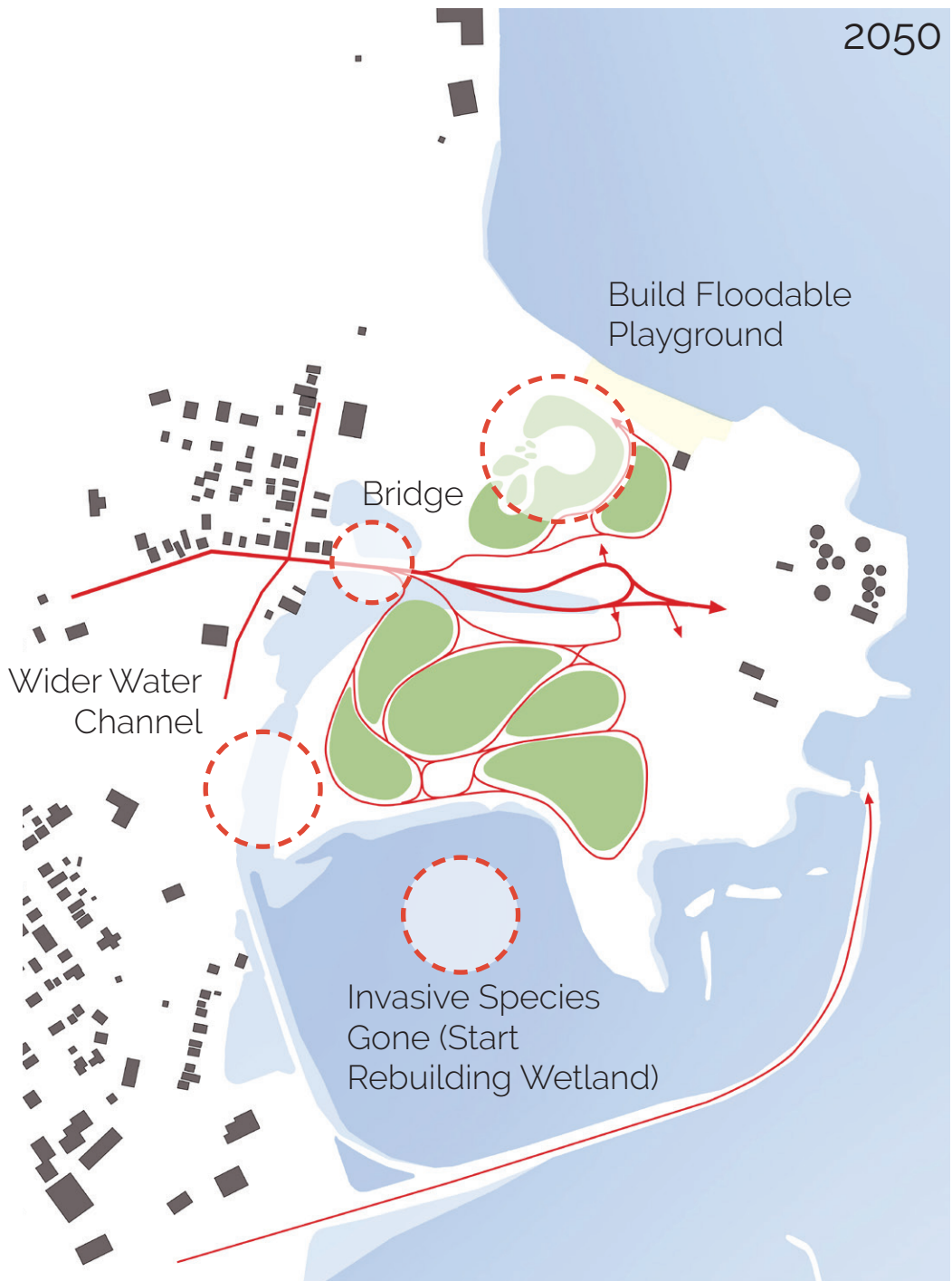
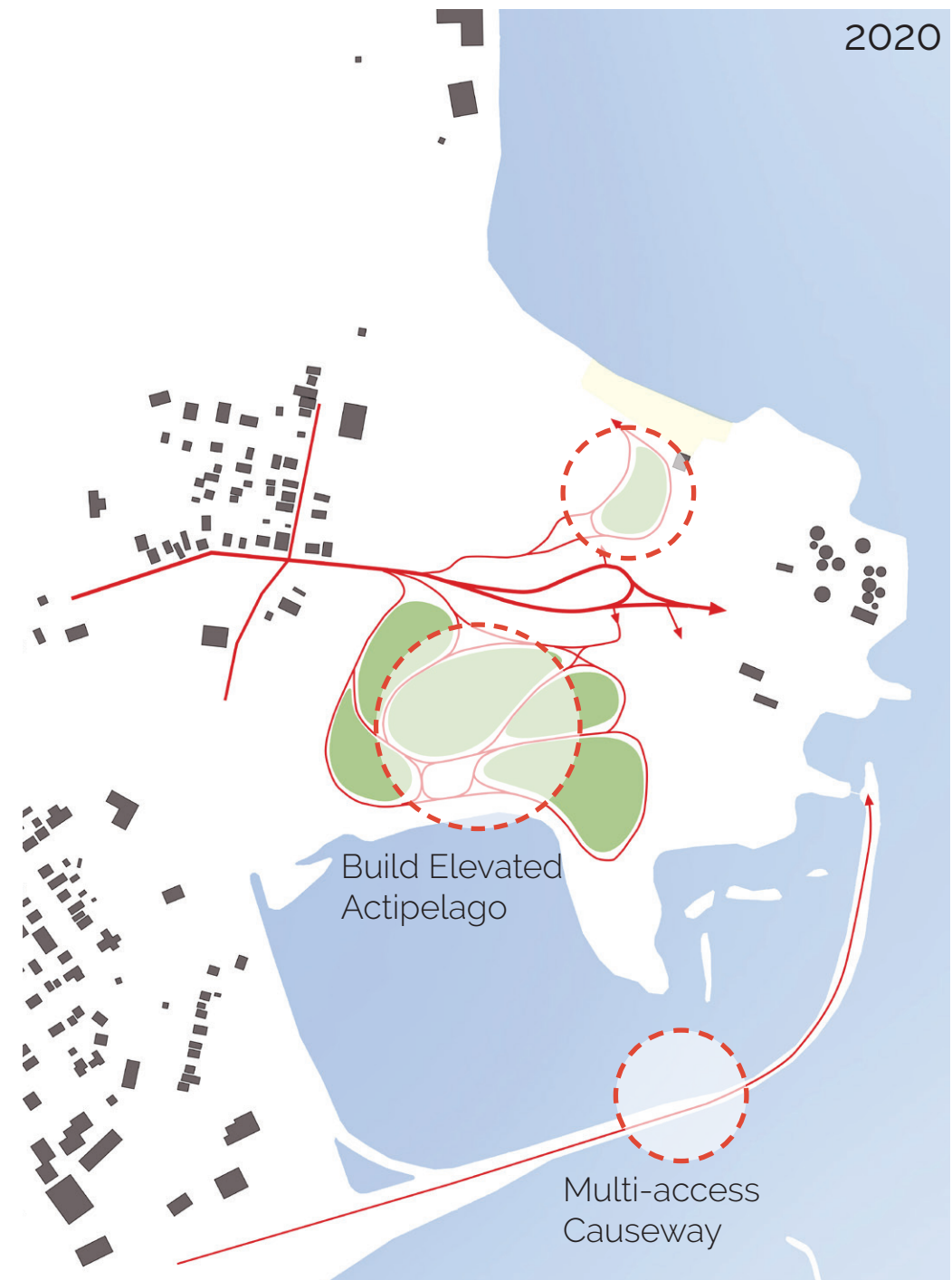
Future

Revitalize the prosperity.

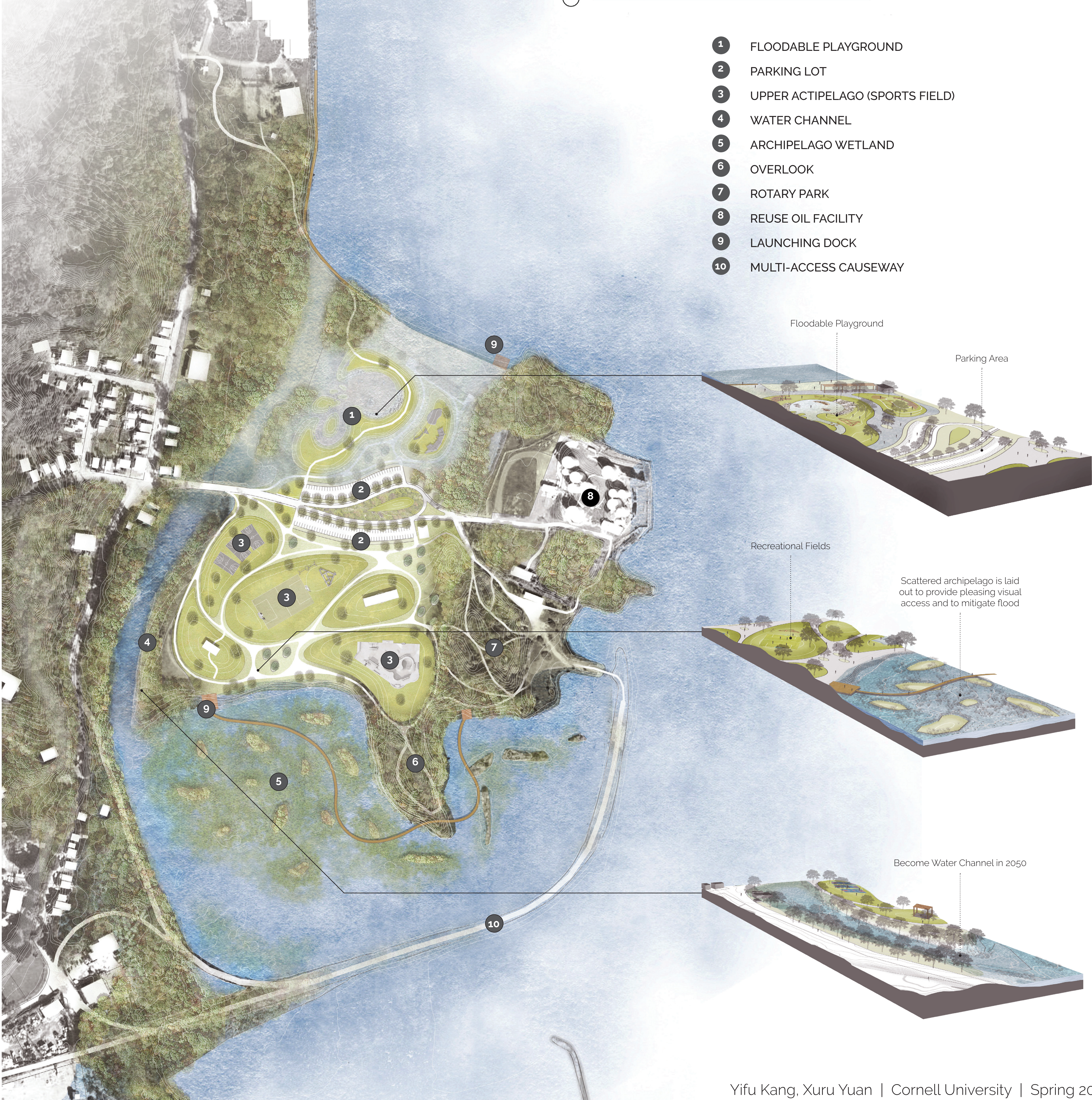
METRICS



PHASING



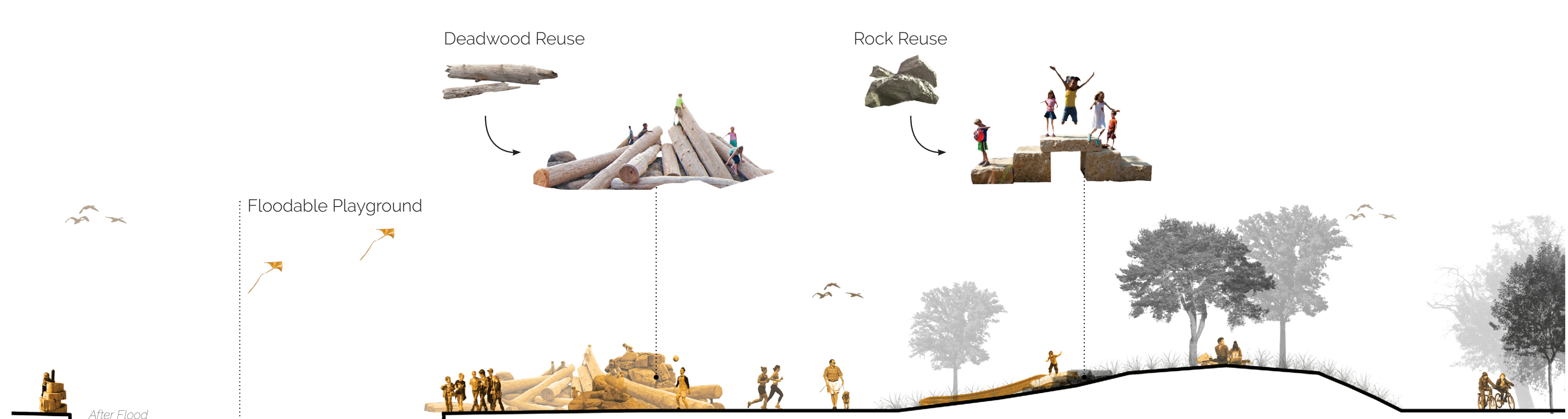
MASTER PLAN (2080)



SITE PLAN - FLOODABLE PLAYGROUND (2050)



SECTION 1



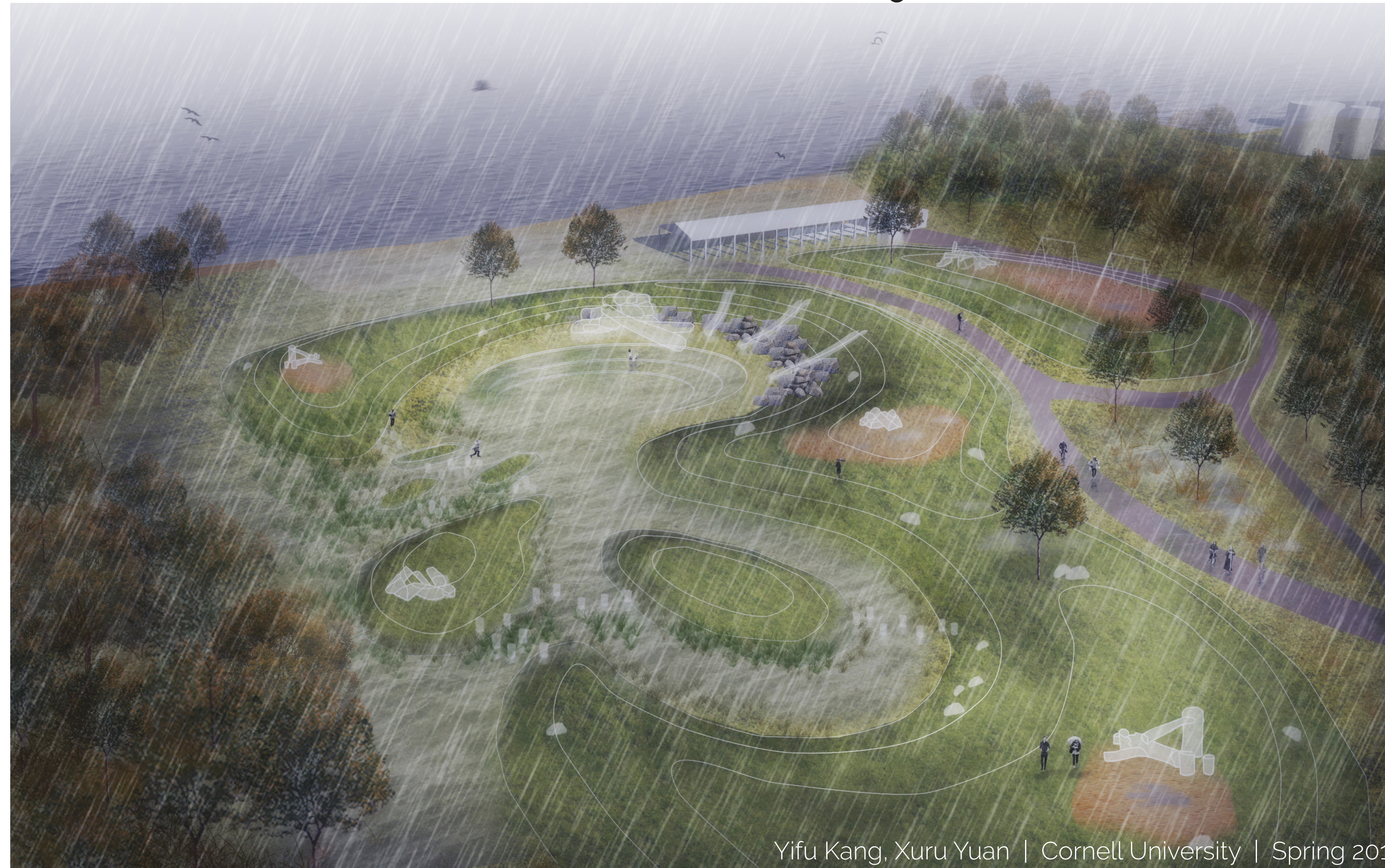
FLOOD DIAGRAM (2050)



FLOODABLE PLAYGROUND (2050)



FLOODABLE PLAYGROUND DURING 10-YEAR FLOOD (2050)



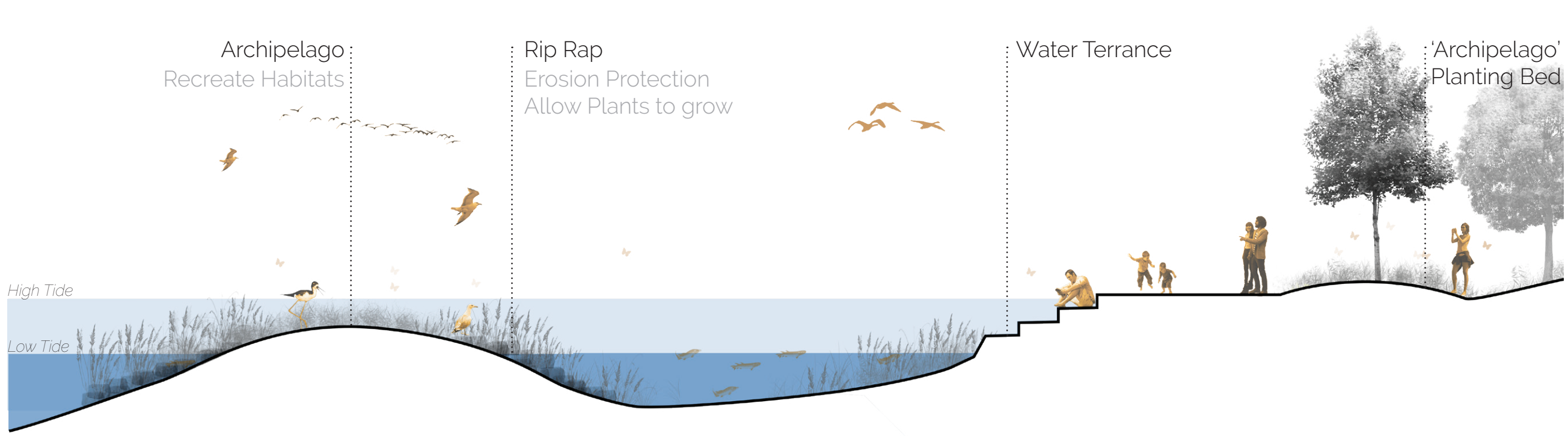
ACTIPELAGO WETLAND (2080)



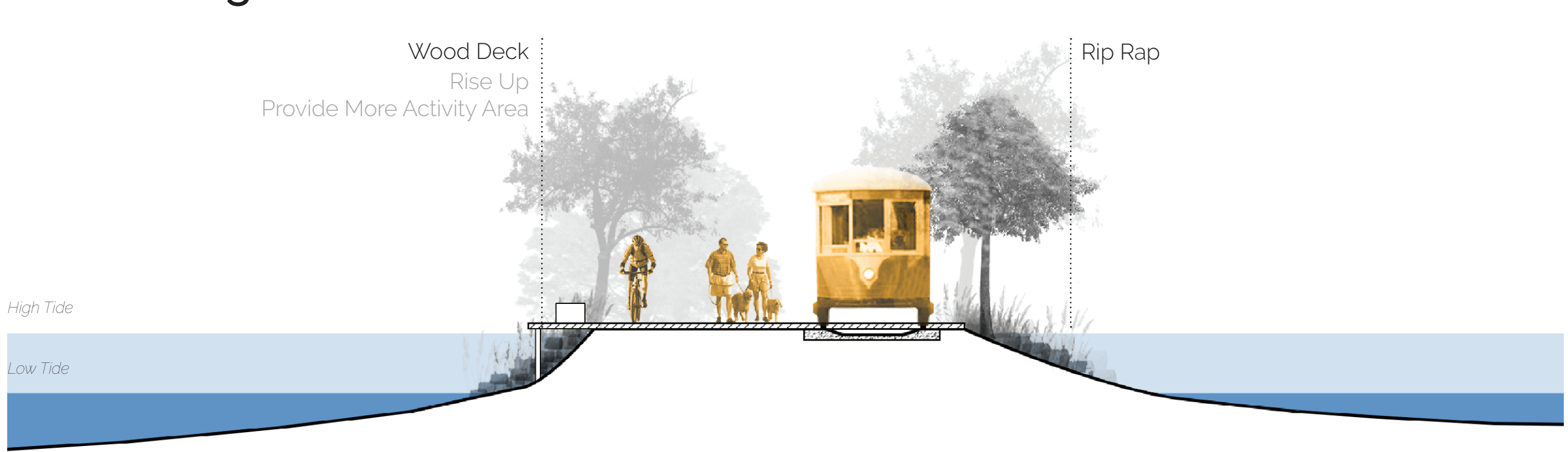
MULTI-ACCESS CAUSEWAY (2050)



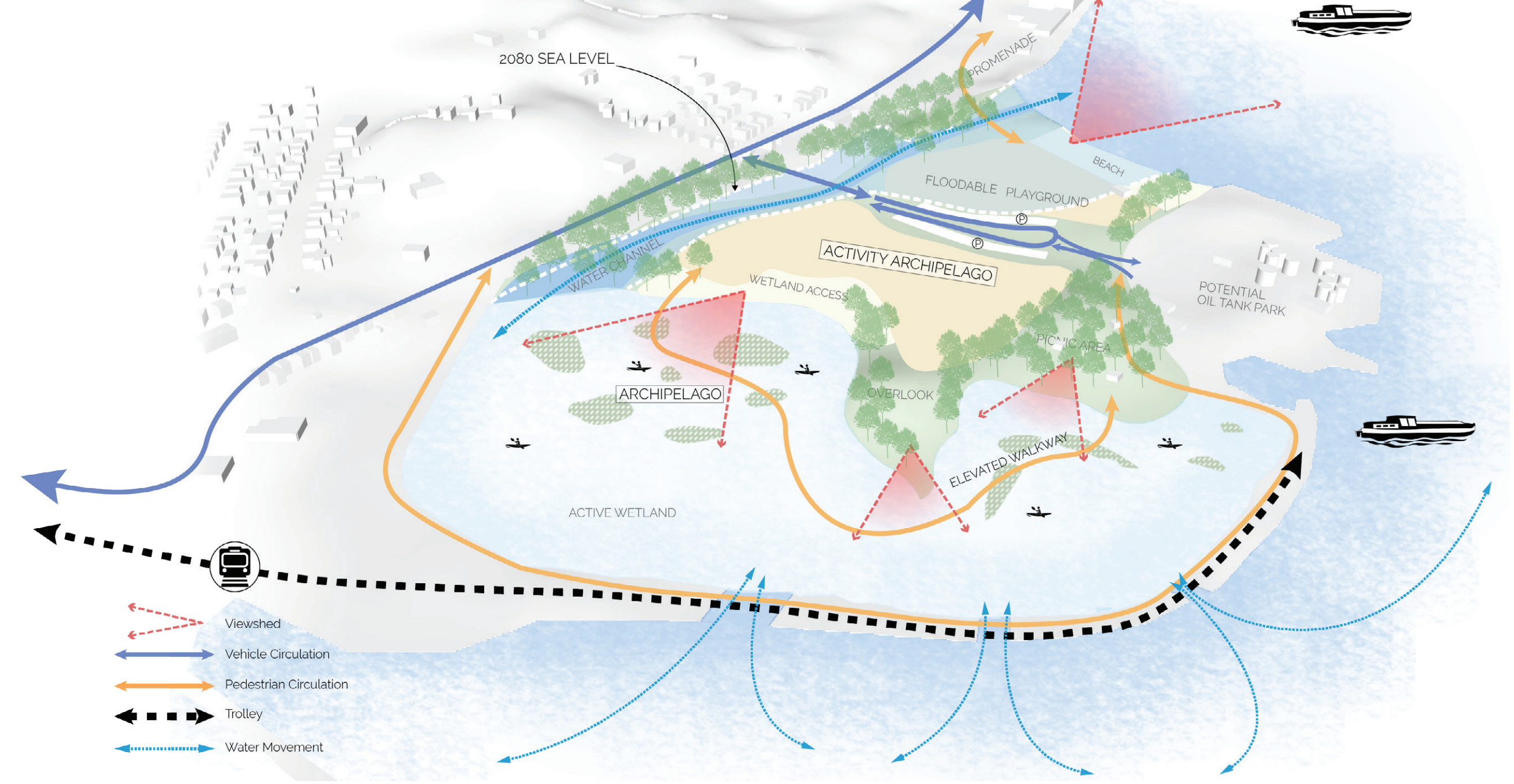
SECTION 2 - WATER EDGE



SECTION 3 - CAUSEWAY



SYSTEM DIAGRAM



ELEVATION - WETLAND BOARDWALK (2080)

