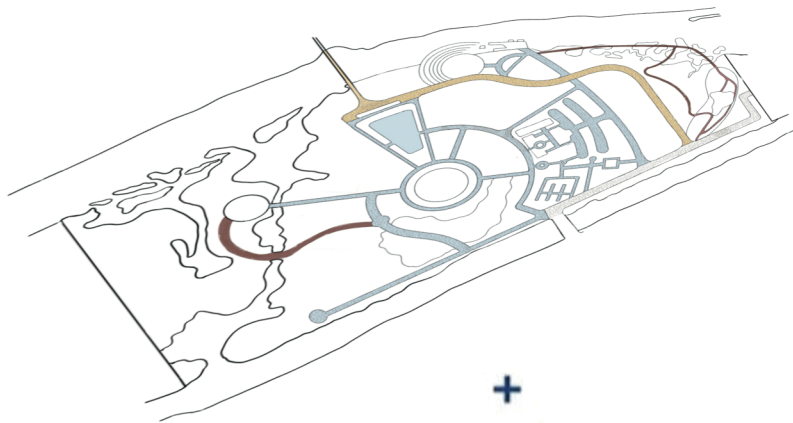


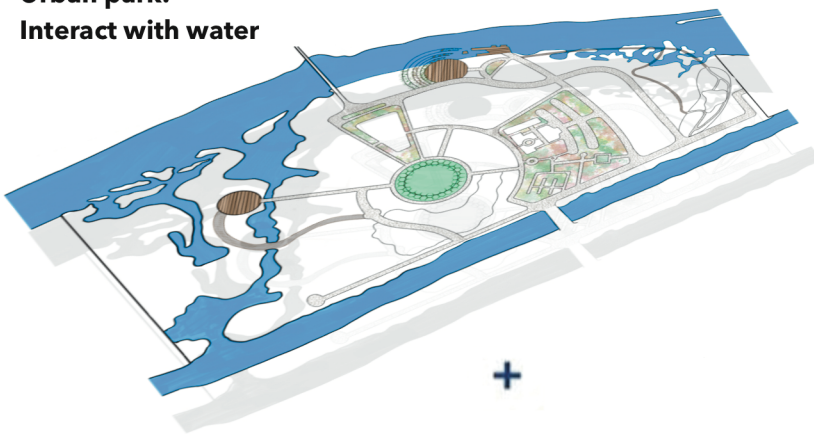
Overall strategy. Creating integrated green infrastructure

In order to restore and reconstruct the local riparian ecosystem, a plan was developed to create a piece of urban green infrastructure through strategies including adaptive flood control, water quality improvement and biodiversity restoration.



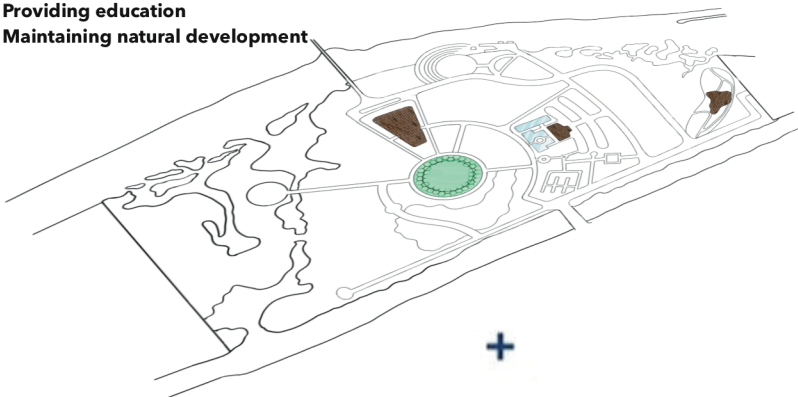
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Urban park:
Interact with water



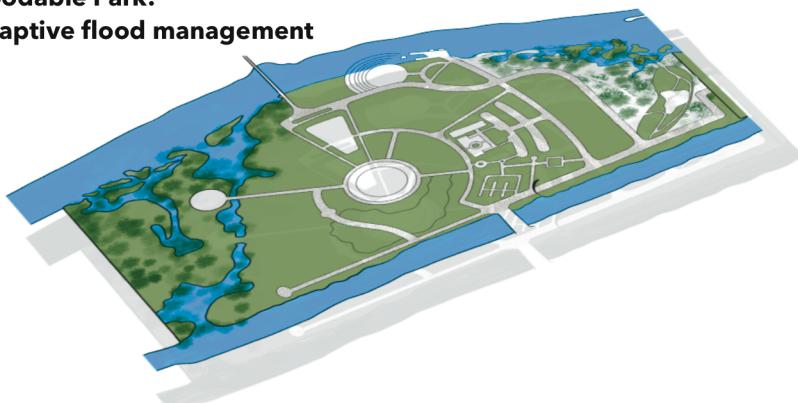
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Wetland Park:
Providing education
Maintaining natural development



+

Floodable Park:
Adaptive flood management



S1

Safety

Creating resilient, flood adaptive landscape. Separation of cyclists, pedestrians and vehicles

Building adaptive landscape for flood management, the lowest areas were designed to be floodable natural wetlands. Different roads were created for pedestrians, cyclists and vehicles with few points of connection.



S2

Experience

Returning of rural lifestyle and the taste of nature

The highest areas were used for recreational and leisure spaces. Using water as a main theme, with a touch of local culture, the design gave nearby residents and island visitors opportunities to return and experience the restored natural riparian area.



S3

Education

Providing public education for sustainability and using outdoor educational spaces as public gardens and exhibition parks

Creating an educational space and outdoor garden to explore ecology and sustainable design through practices used in island improvement. Opportunities for indoor classes as well as real study examples and gardening.



S4

Environment

Assisting natural recovery process. Purifying water, cooling the environment and serve as a natural absorption.

Areas of lower flood risk were used for constructed wetlands. Creating a buffer belt of constructed and natural wetlands to collect and purify stormwater run-off, reusing treated water for irrigation, aquatic playground and replenishing the natural riparian wetlands. Using existing trees and wild reed ponds as a foundation, the design applied local trees, shrubs and aquatic plants to restore shelters for aquatic life, amphibians and birds.