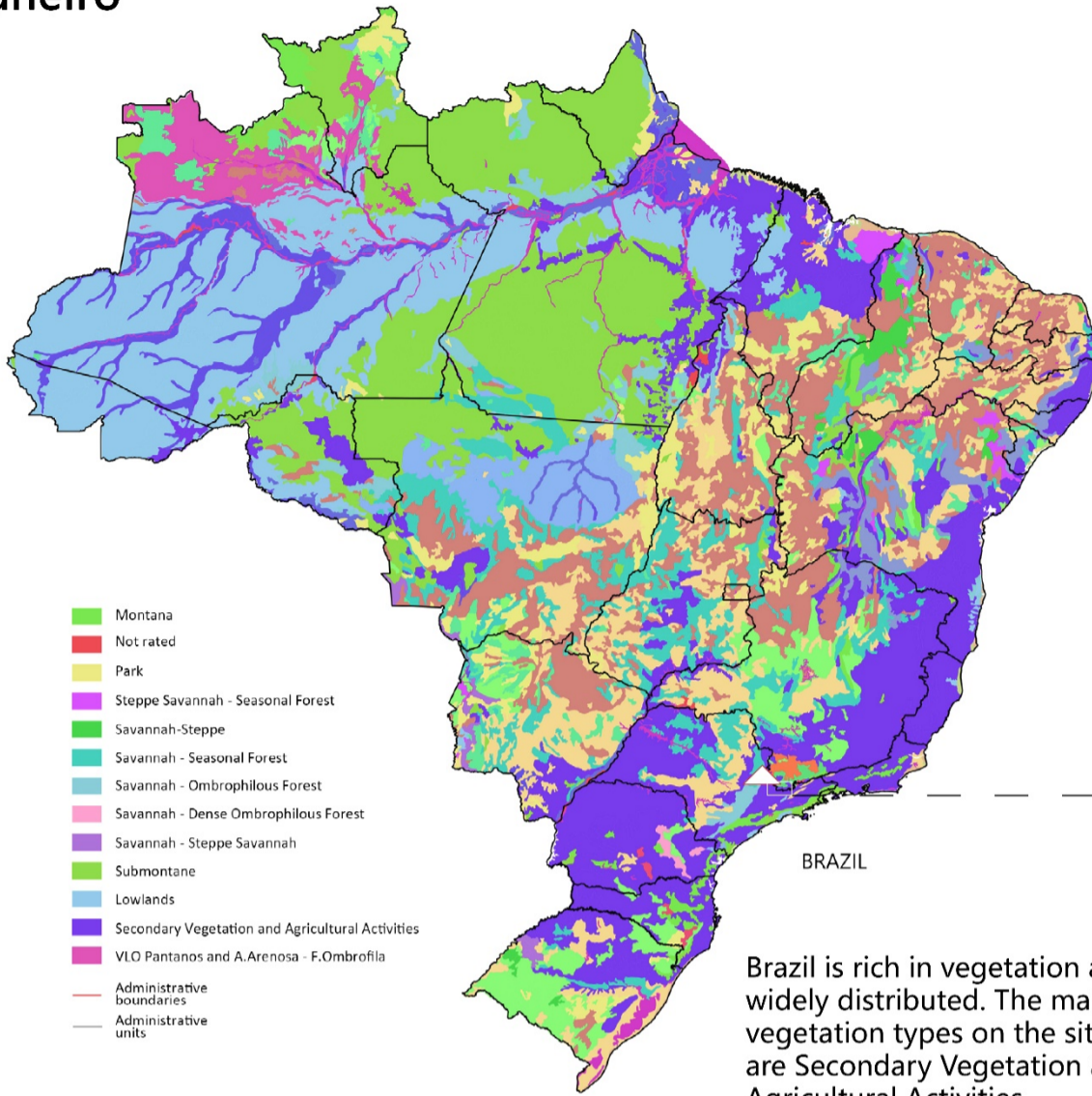


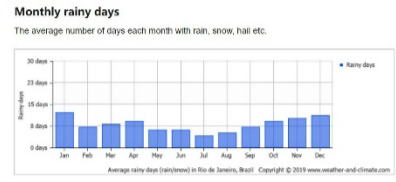
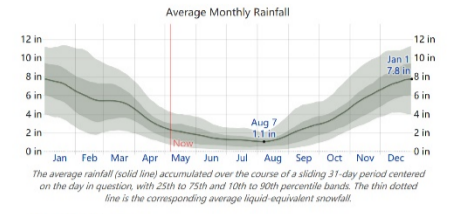
Brazil, Rio de Janeiro



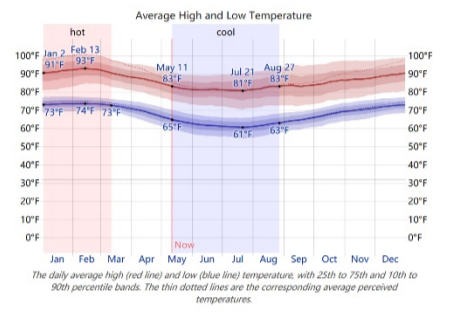
- LEGENDS**
- High montana
 - Alluvial
 - Open Arborea
 - Dense Arborea
 - Agricultural Activities
 - Steppe - Seasonal Forest
 - Seasonal Forest - "Restinga"
 - Seasonal Forest - F. Mixed Shoulder Pad
 - Dense Ombrophilous Forest - F.O. Mixed
 - Ombrophilous Forest - Seasonal Forest
 - Gramineo-lenhosa
 - Influencia Fluvial
 - Influencia Fluviomarina
 - Marine Influence
 - Montana
 - Not rated
 - Park
 - Steppe Savannah - Seasonal Forest
 - Savannah-Steppe
 - Savannah - Seasonal Forest
 - Savannah - Ombrophilous Forest
 - Savannah - Dense Ombrophilous Forest
 - Savannah - Steppe Savannah
 - Submontane
 - Lowlands
 - Secondary Vegetation and Agricultural Activities
 - VLO Pantanos and A.Arenosa - F.Ombroflia
 - Administrative boundaries
 - Administrative units

Brazil is rich in vegetation and widely distributed. The main vegetation types on the site are Secondary Vegetation and Agricultural Activities.

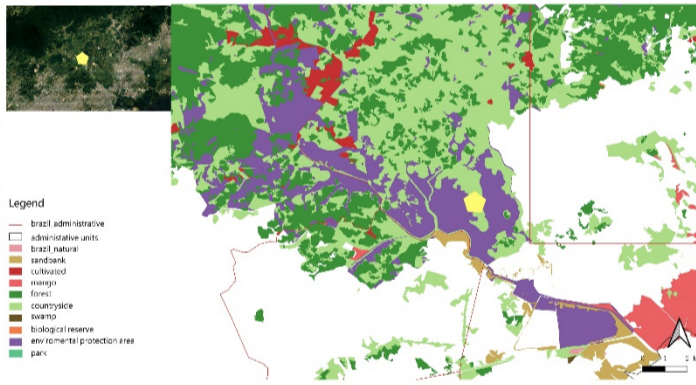
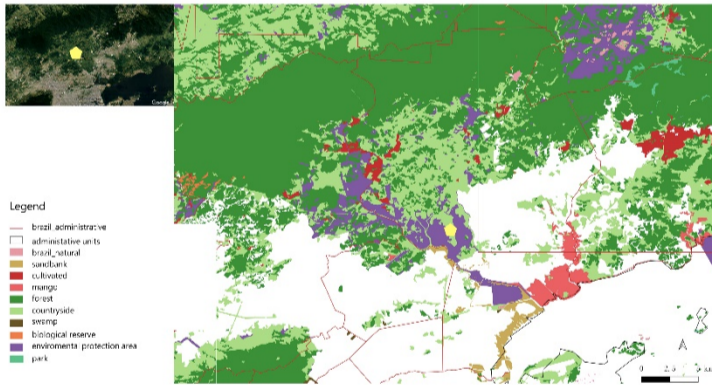
Rainfall
To show variation within the months and not just the monthly totals, we show the rainfall accumulated over a sliding 31-day period centered around each day of the year. Nova Iguazu experiences extreme seasonal variation in monthly rainfall. Rain falls throughout the year in Nova Iguazu. The most rain falls during the 31 days centered around January 1, with an average total accumulation of 7.8 inches. The least rain falls around August 7, with an average total accumulation of 1.1 inches.



Temperature
The hot season lasts for 2.3 months, from January 2 to March 11, with an average daily high temperature above 91°F. The hottest day of the year is February 13, with an average high of 93°F and low of 74°F. The cool season lasts for 3.5 months, from May 11 to August 27, with an average daily high temperature below 83°F. The coldest day of the year is July 21, with an average low of 61°F and high of 81°F.

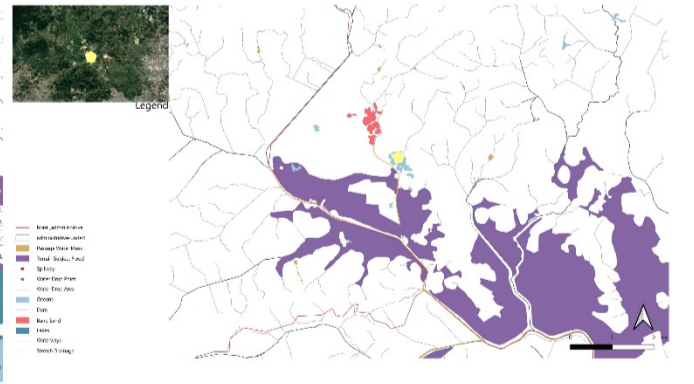
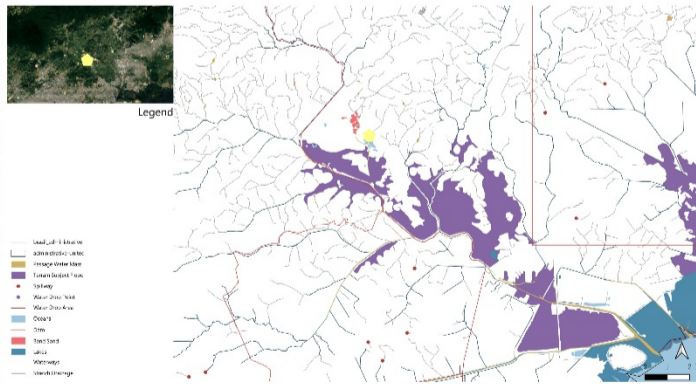
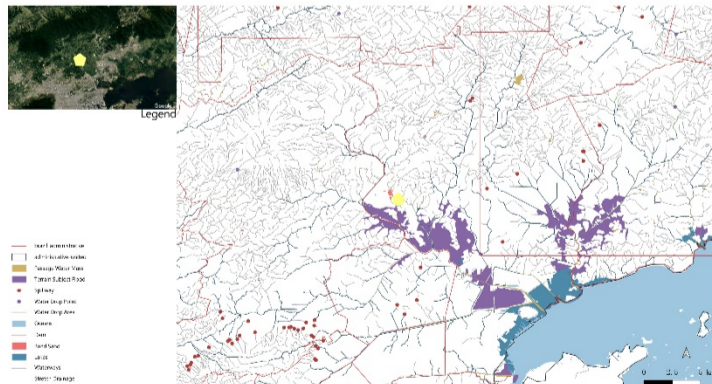


GREEN INFRASTRUCTURE

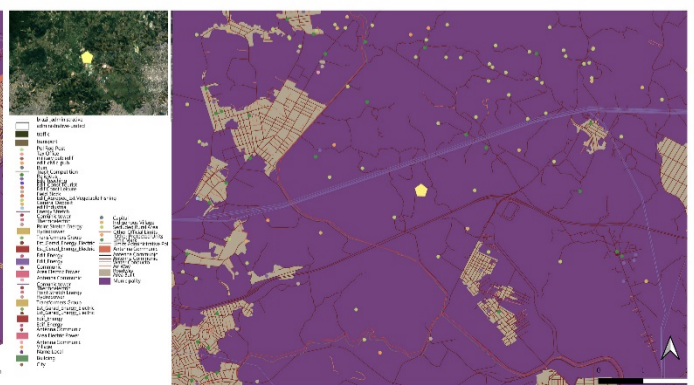
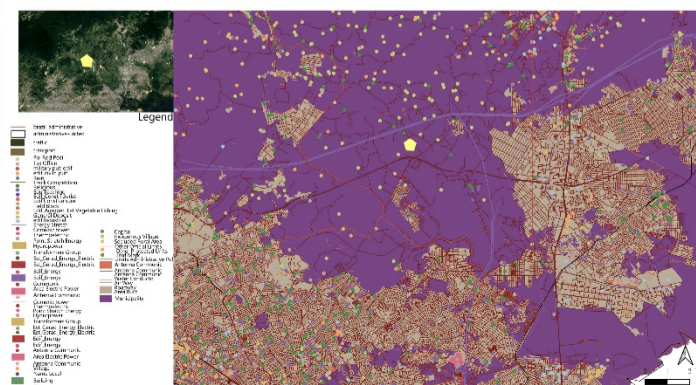
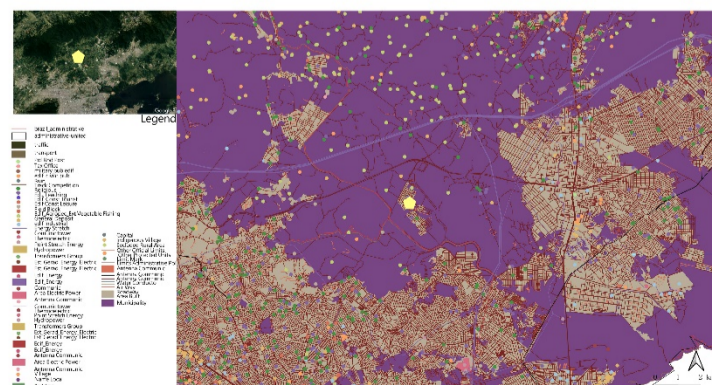


Nova Iguazu

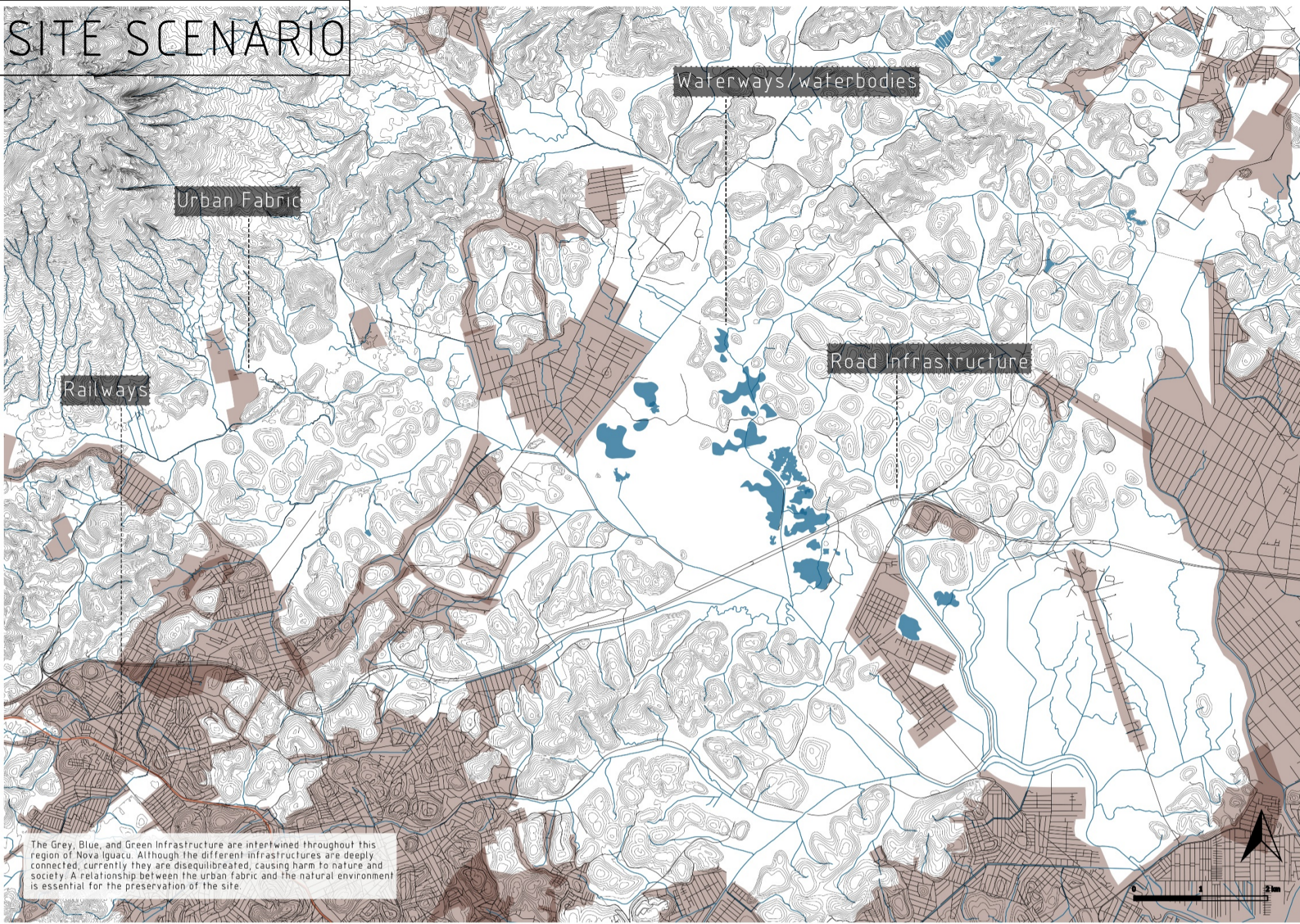
BLUE INFRASTRUCTURE



GREY INFRASTRUCTURE

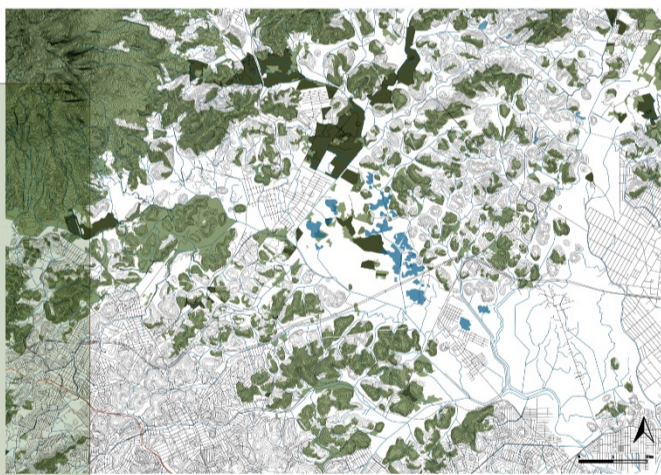


SITE SCENARIO

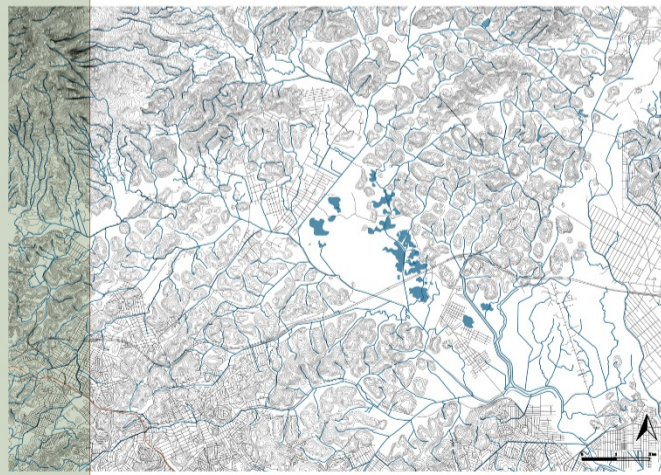


Analysis Components

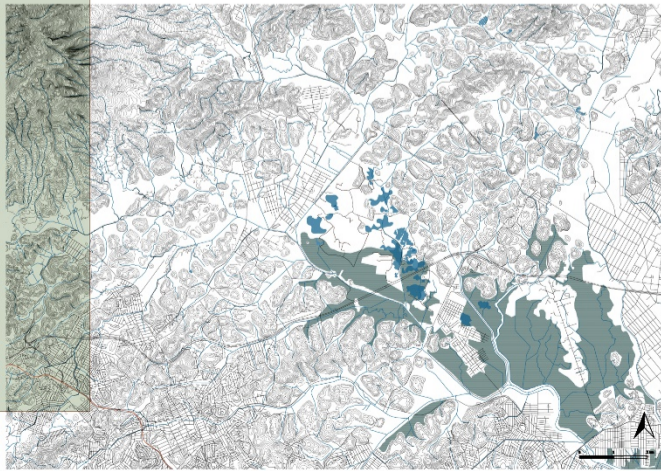
Vegetation Density



River & Waterbody Connectivity

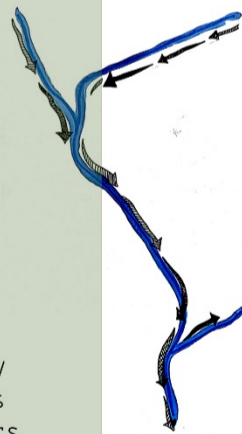


Flood Risk Areas



Necessary Precautions

River Flow Direction poses flood risk to urban areas



Two primary urban areas form borders to site, site prevents urban sprawl,



The Site can offer a public green space, and a means of connecting the two communities

Future Goals



Clean Water: Treatment, sanitation, and consistent distribution



Responsible Production: Local Agricultural Development

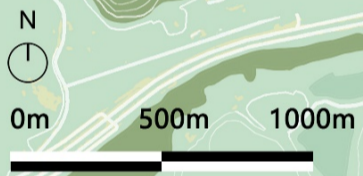


Reduce Inequalities: Initiate and enforce positive relationships among communities



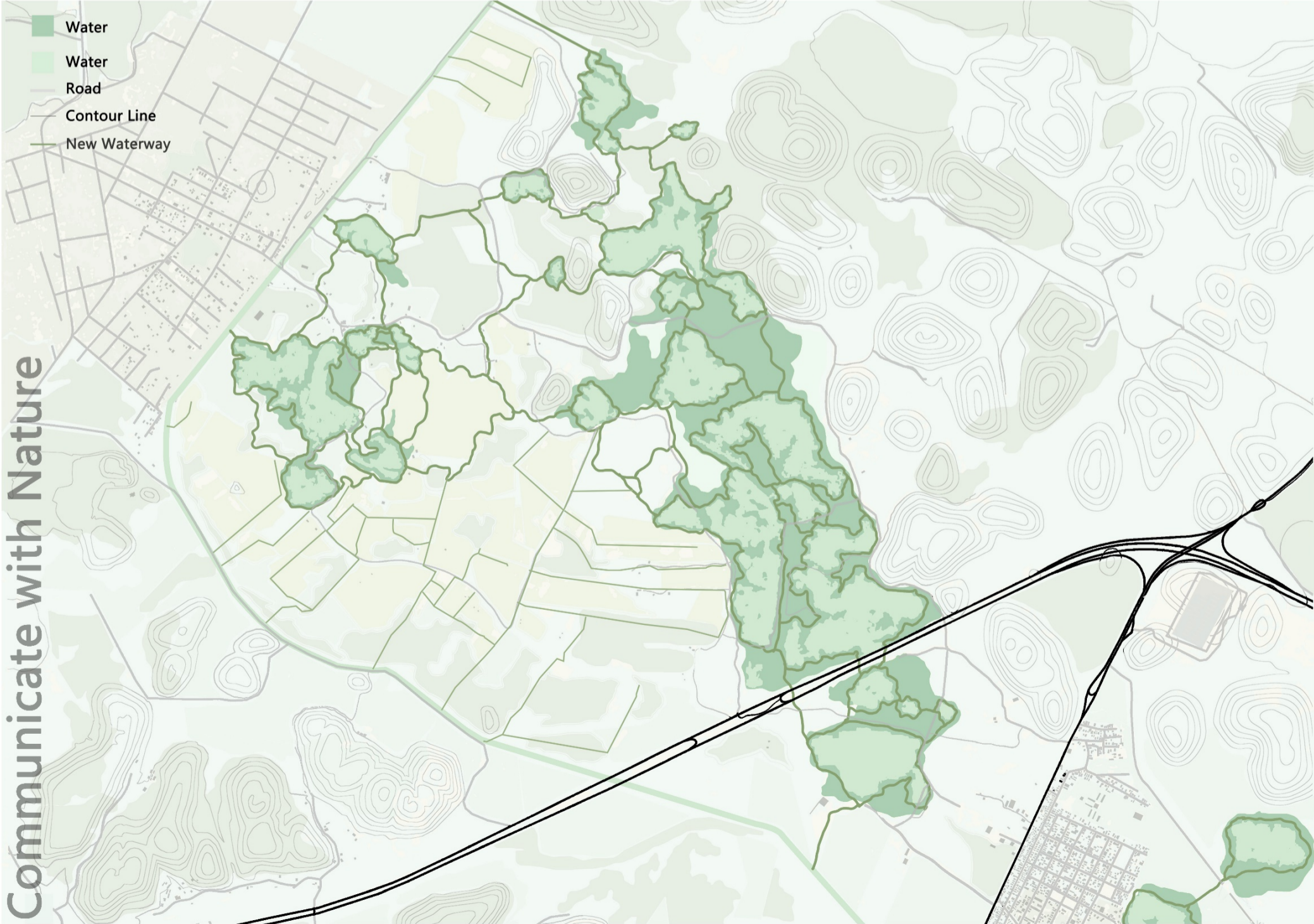
Protect and Restore the Existing Ecosystem

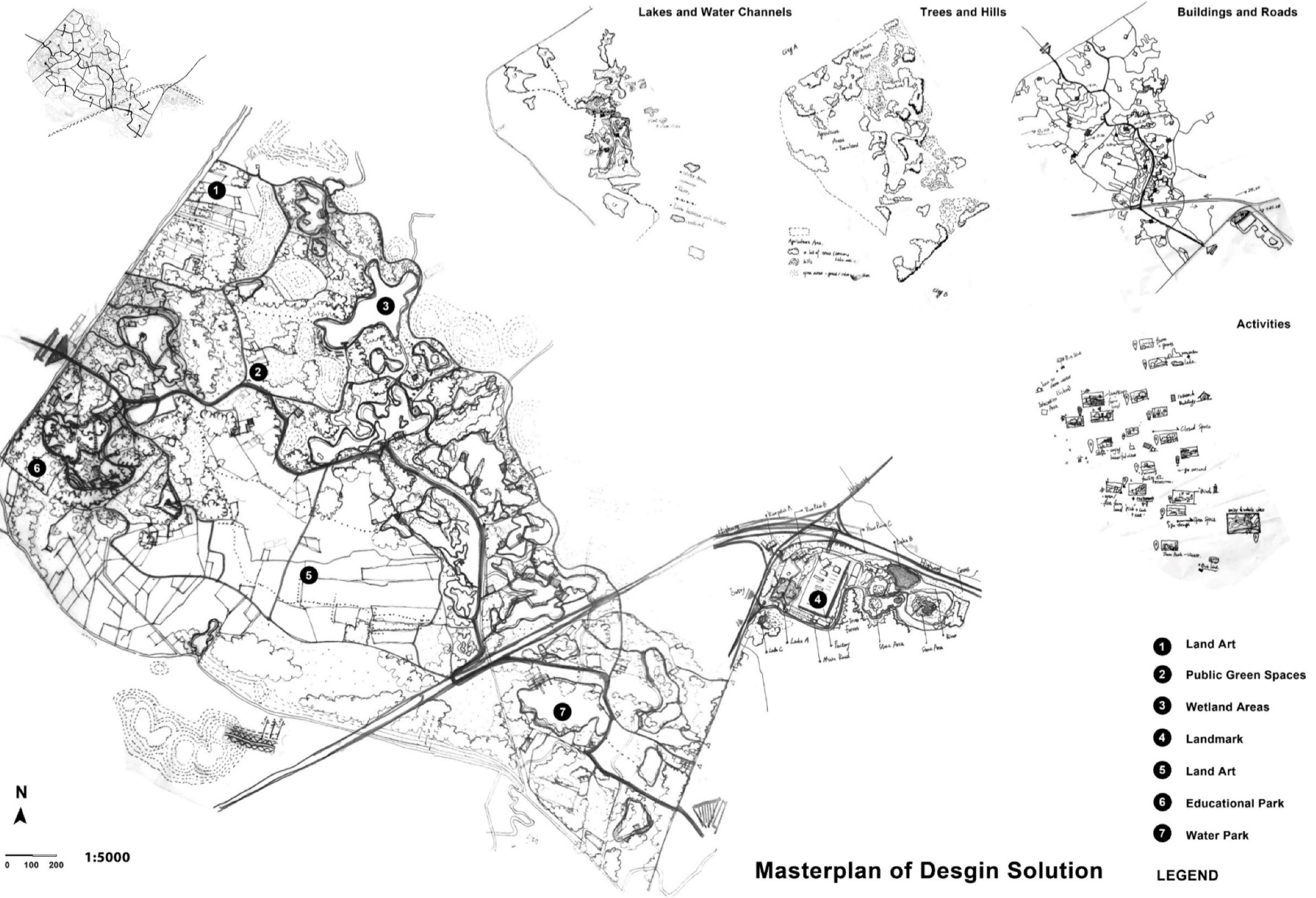
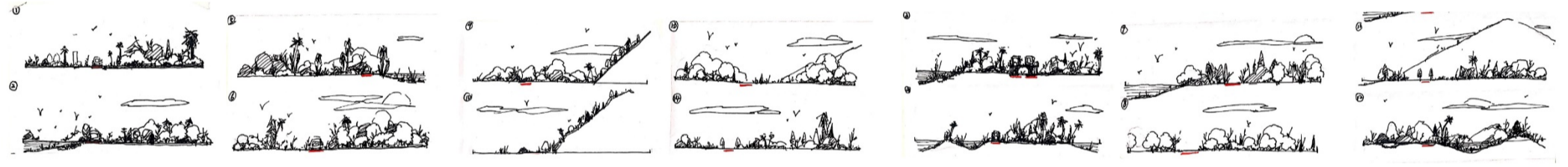
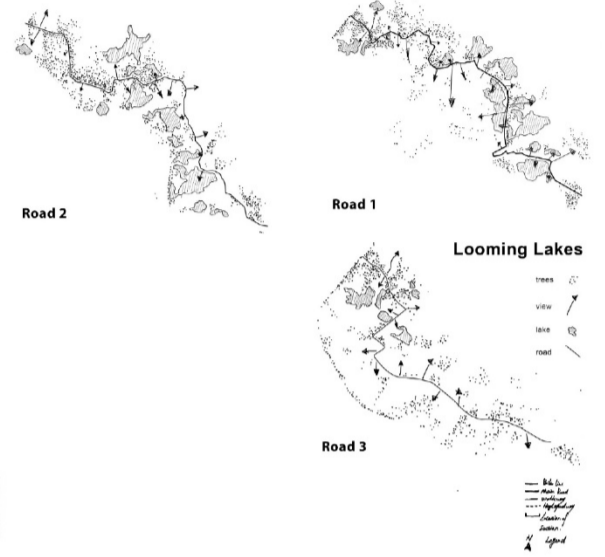
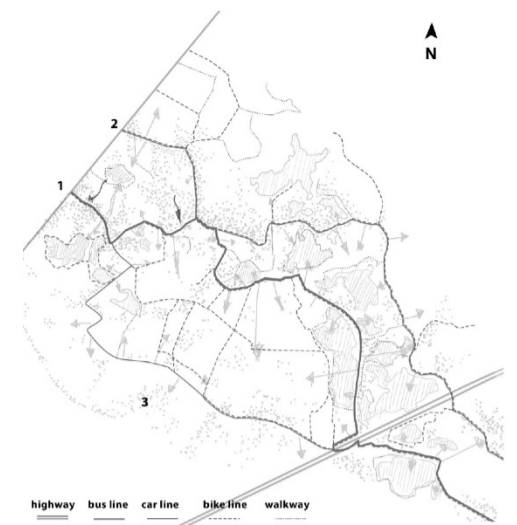
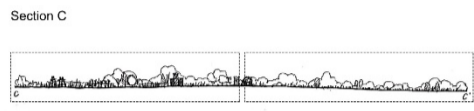
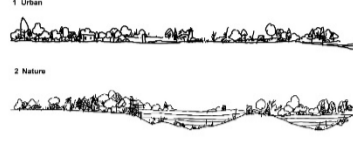
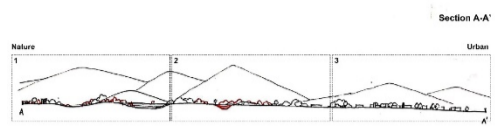
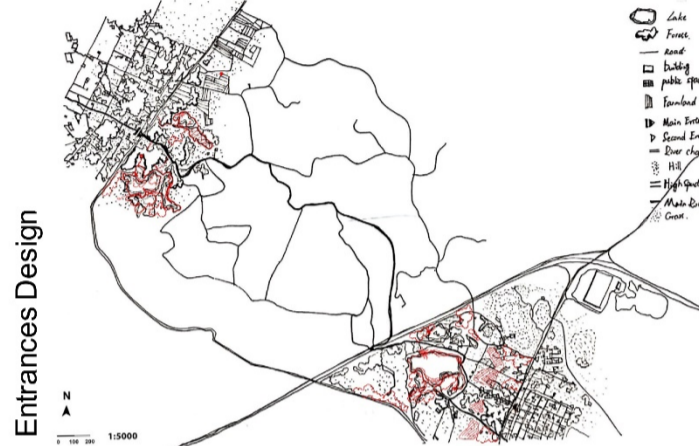
- Farmland
- Forest
- Water
- Road
- Contour Line
- Bare Land
- Urban Green Spaces
- Grass
- Other Green Spaces



- Water
- Water
- Road
- Contour Line
- New Waterway

Communicate with Nature

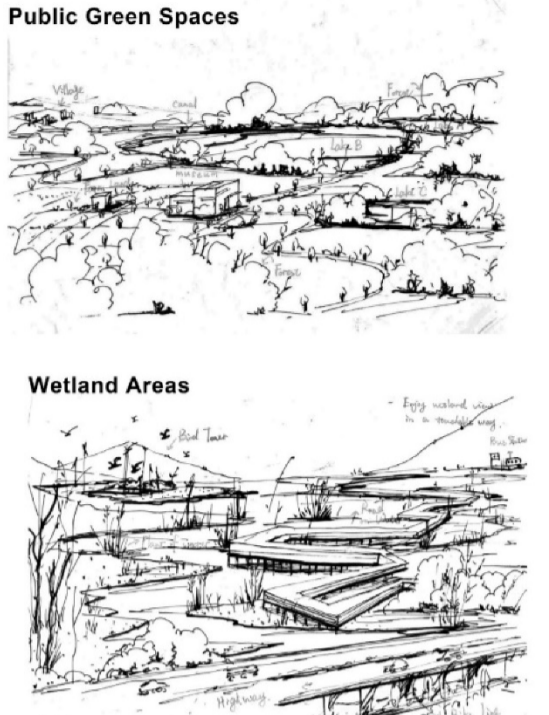
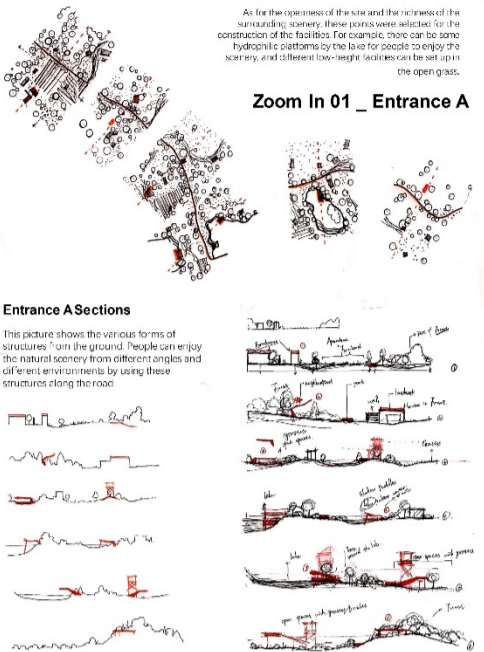
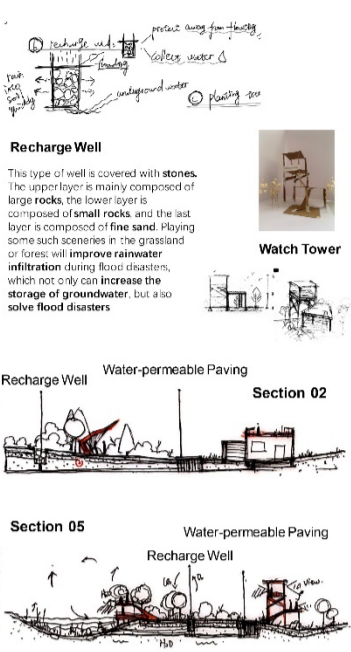




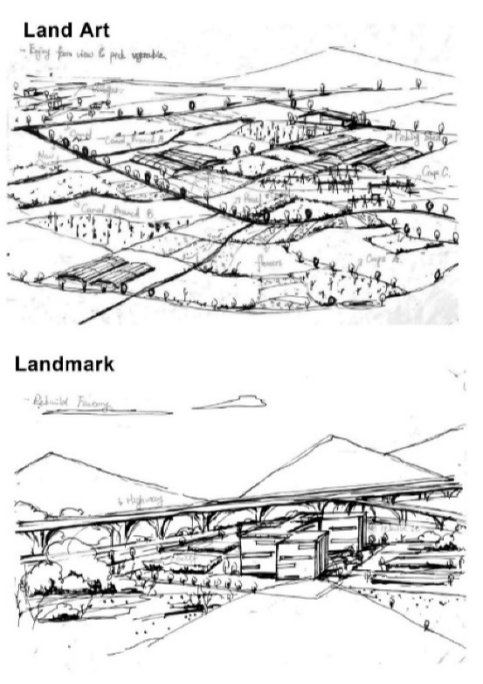
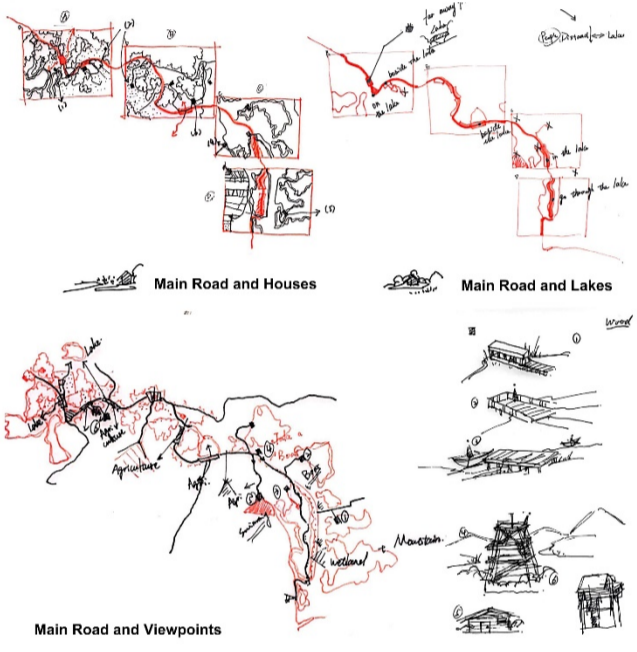
- 1 Land Art
- 2 Public Green Spaces
- 3 Wetland Areas
- 4 Landmark
- 5 Land Art
- 6 Educational Park
- 7 Water Park

LEGEND

Masterplan of Design Solution

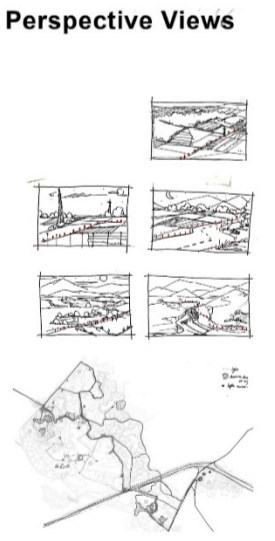


- B Survival Challenge Games and Planting Experience**
The north of the site is densely forested, and some outdoor adventure activities can be carried out. Adventure activities are divided into different levels, from easy to difficult, people can choose their own suitable level for safe outdoor adventure. There are some farming areas in the south of the site and in the center of the site to provide people with a planting experience, and people can choose to build their own garden.
- C Outdoor Plants Science Museum**
There are polluted lakes in the site itself. In order to make people aware of the importance of environmental protection, while treating lake water purification, people are also encouraged to grow their own plants and feel the significance of environmental protection with a sense of participation. At the same time, selling tree species and planting these behaviors can promote local economic development. When you bring your children to plant, help them popularize some knowledge of local plants.
- D Outdoor Animal Science Museum**
The water quality in this area is high-quality, and there are native and beautiful wetland scenery. The marshes here may stop a variety of birds. This will be a good opportunity for tourists and local children to pass the vote. Feel the nature in various ways such as feeding or watching. At the same time, the tourism industry promotes the development of the local economy.
- E Movable Installation Area in the Forest**
This will be another important entrance, connecting with the southern city center. According to the situation of this site itself prone to flood disasters, a large area of tree planting will be carried out in the future to prevent flood disasters. But because it is adjacent to where people live in the city, it also provides a variety of movable stalls, trolleys, etc. It is convenient for people to enjoy the fun of purchasing mobile facilities, and they can purchase a variety of local specialty products, crops, or local wooden leather products, etc.



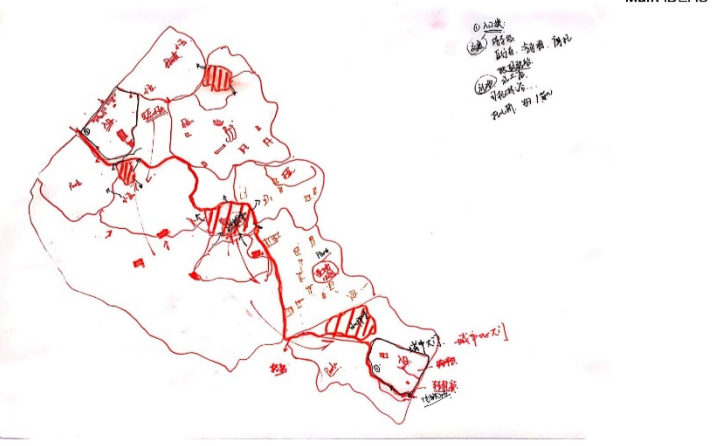
In addition, people can engage in various recreational activities here, for example, there are parking lots, gardens, care centers for dogs and infants, and vegetable communities. When going to the center of the site, people can buy some agricultural products produced on the farmland or buy some souvenirs in the gift shop on the site. In these small parks, there are also some roads where people can take a walk, outdoor exercise, ride a bicycle, or sit under a tree, read and eat food.

For the school at the northern entrance, the nearby area may provide more libraries and sports venues. In the central area of natural ecology, there are some greenhouse water purification facilities, and people will also provide some resting places such as bars and cafes while watching the purified water source. Set up an open-air cinema, outdoor exploration play area, children's play area, fitness garden grass bowling alley, etc. in the open and open space.



IDEAS

IDEAS
Regarding people's activities, considering various groups of people, the middle class, the elderly, and the young, provide them with various designs to meet different needs. First of all, from the entrance, people can take a variety of transportation at the entrance to facilitate them to reach different places in the site. Then it is to provide people with various entertainment needs such as purchase and viewing.

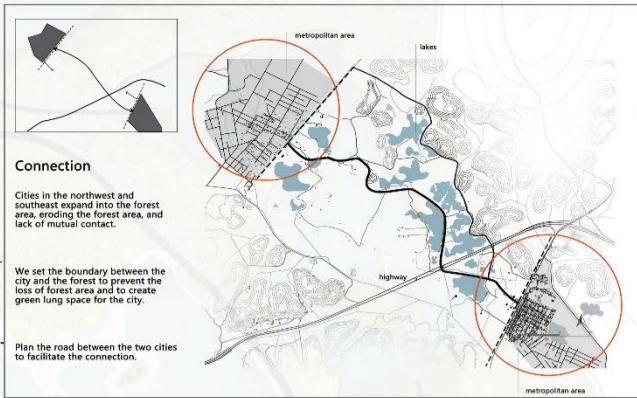


Music gathering centers, florists, markets, public kitchens... Explore what people want and like in life?

it is a suburb of Rio de Janeiro under the influence of the capital – to which tens of thousands of workers and students commute daily, or visit regularly for options in culture, entertainment, goods, health care, etc. There are a few historical and ecotouristical attractions in the municipality.

The city expands towards the forest, and the two are adjacent to the non-transition zone. The urban expansion leads to the decreasing forest area and the ecological balance is destroyed. Nature reserves account for a relatively large proportion of the forest area and are also threatened by urban expansion.

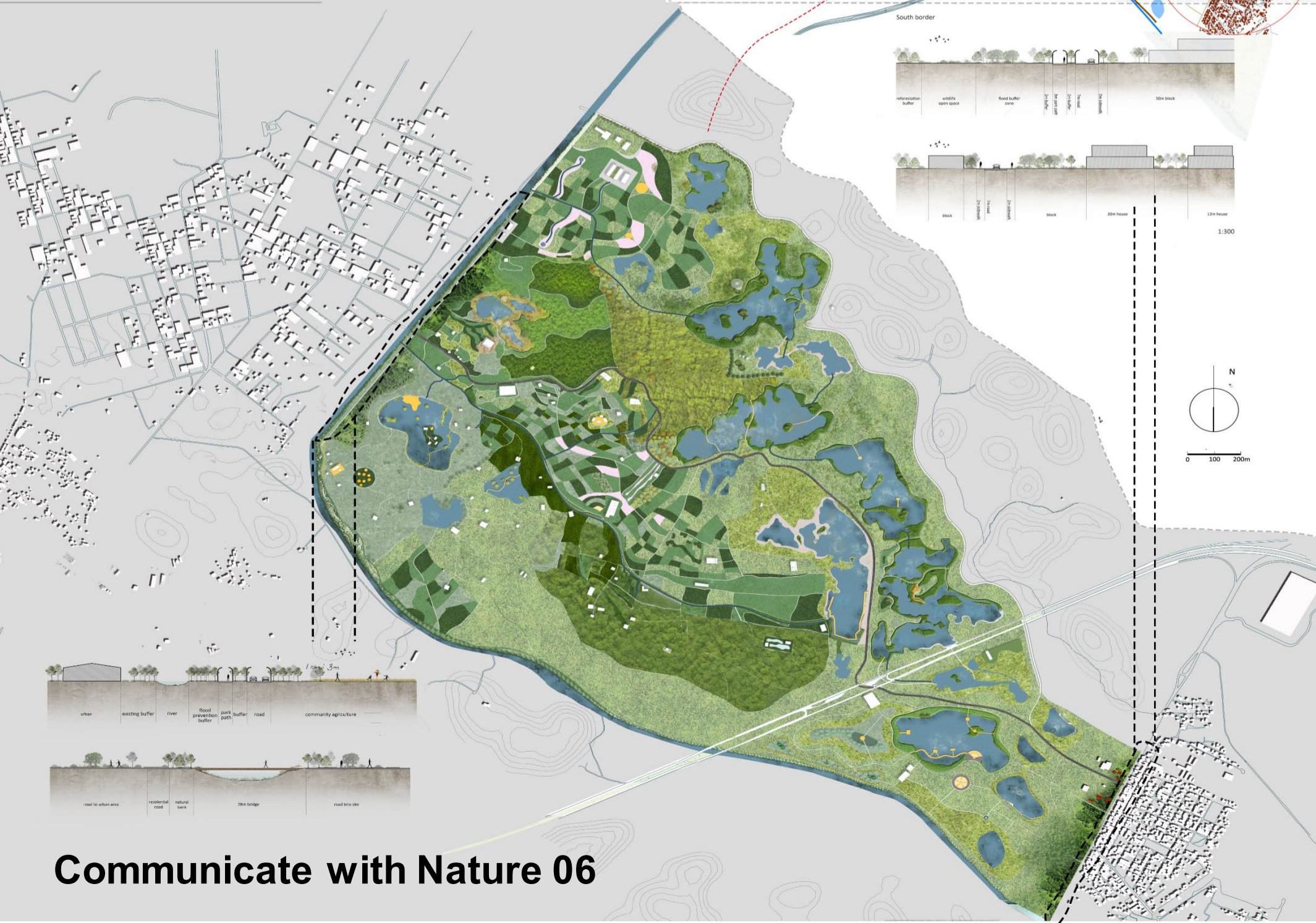
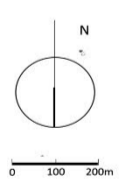
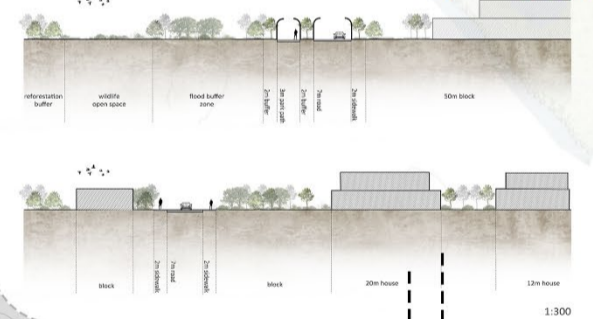
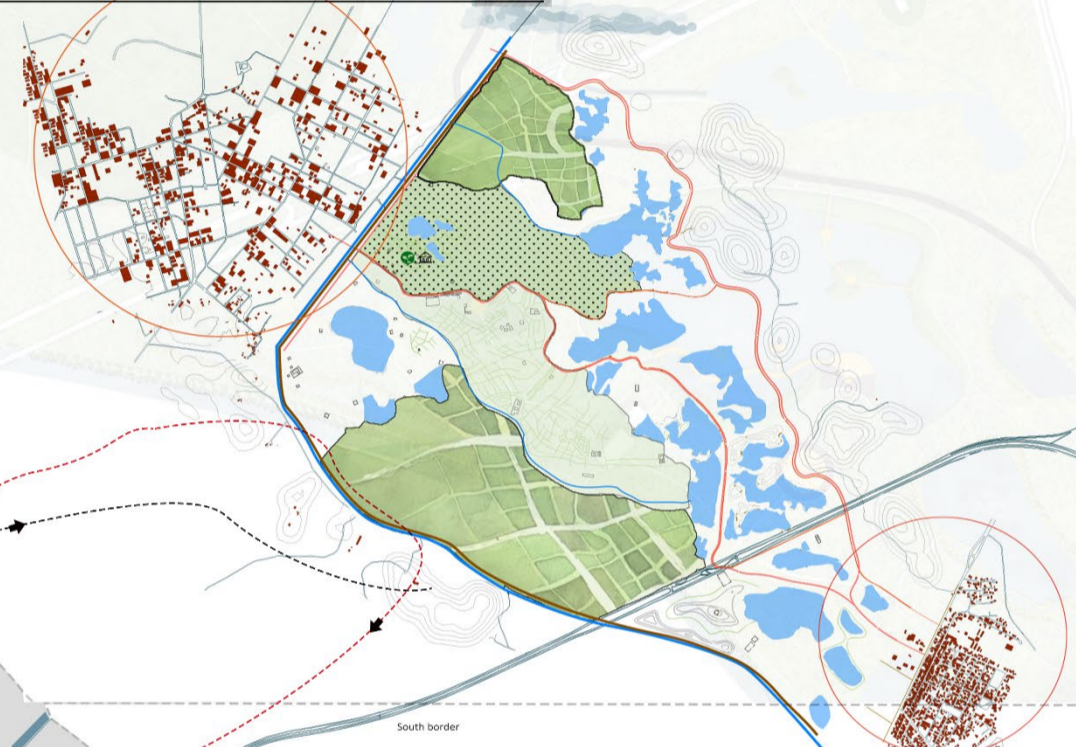
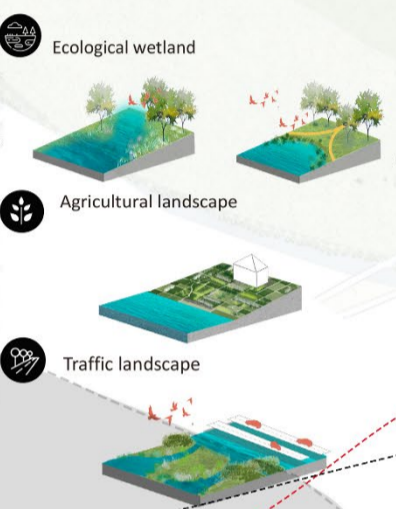
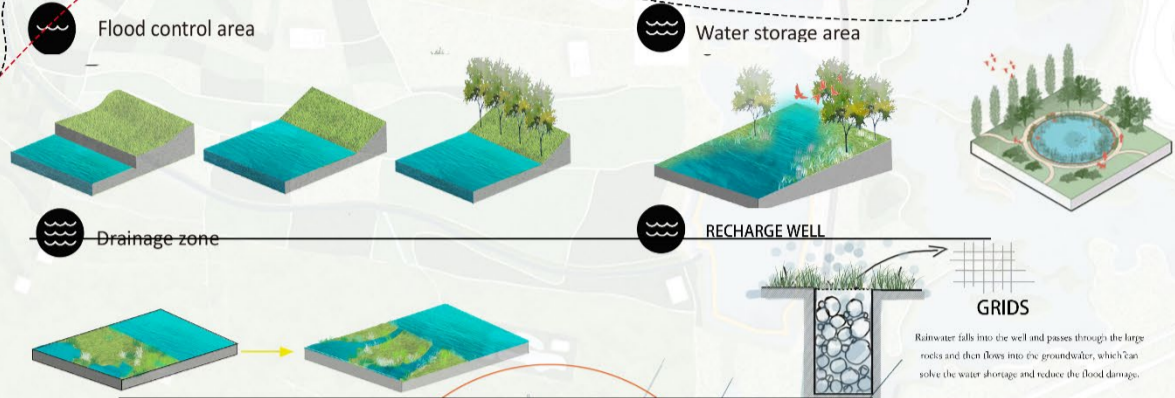
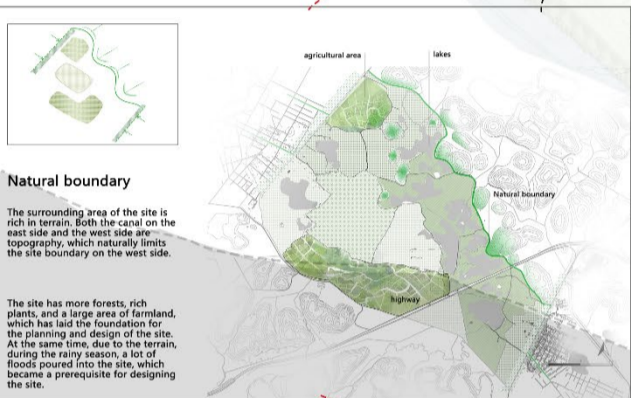
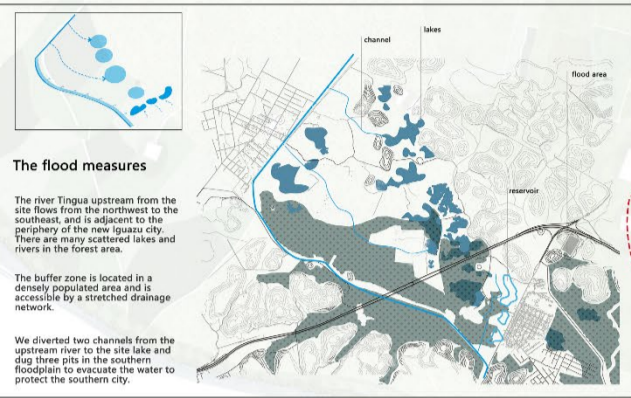
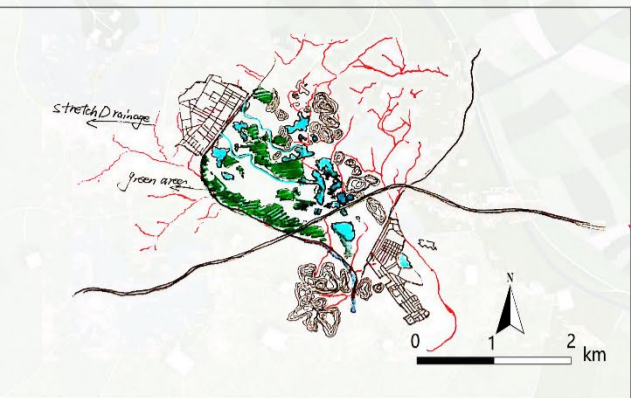
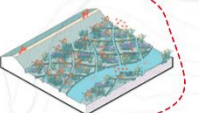
We distribute the river into two small channels to pools to make a connection between the cities and forests.



connect cities



separate drainages

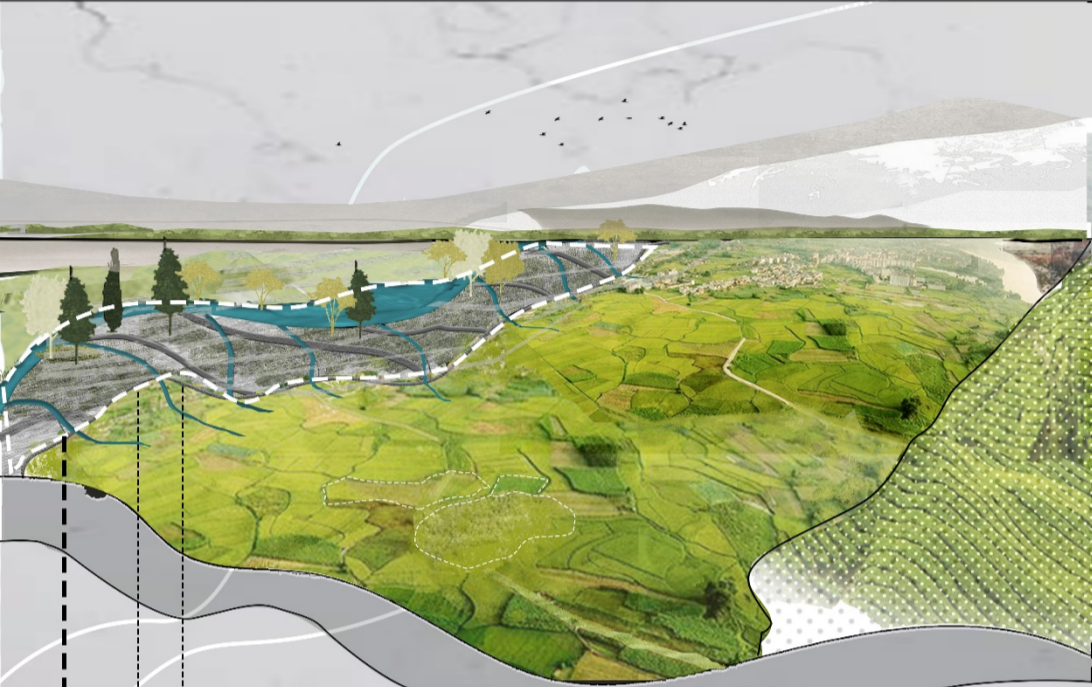


Communicate with Nature 06

Communicate with Nature 07

The site is adjacent to the city, so the project retains the original site for recreation and entertainment, and adopts corresponding flood coping strategies. It is hoped that the site can cope with the flood disaster in July and water shortage in January.

SCALE WETLAND



Scale wetland
Natural levees
distributary channel

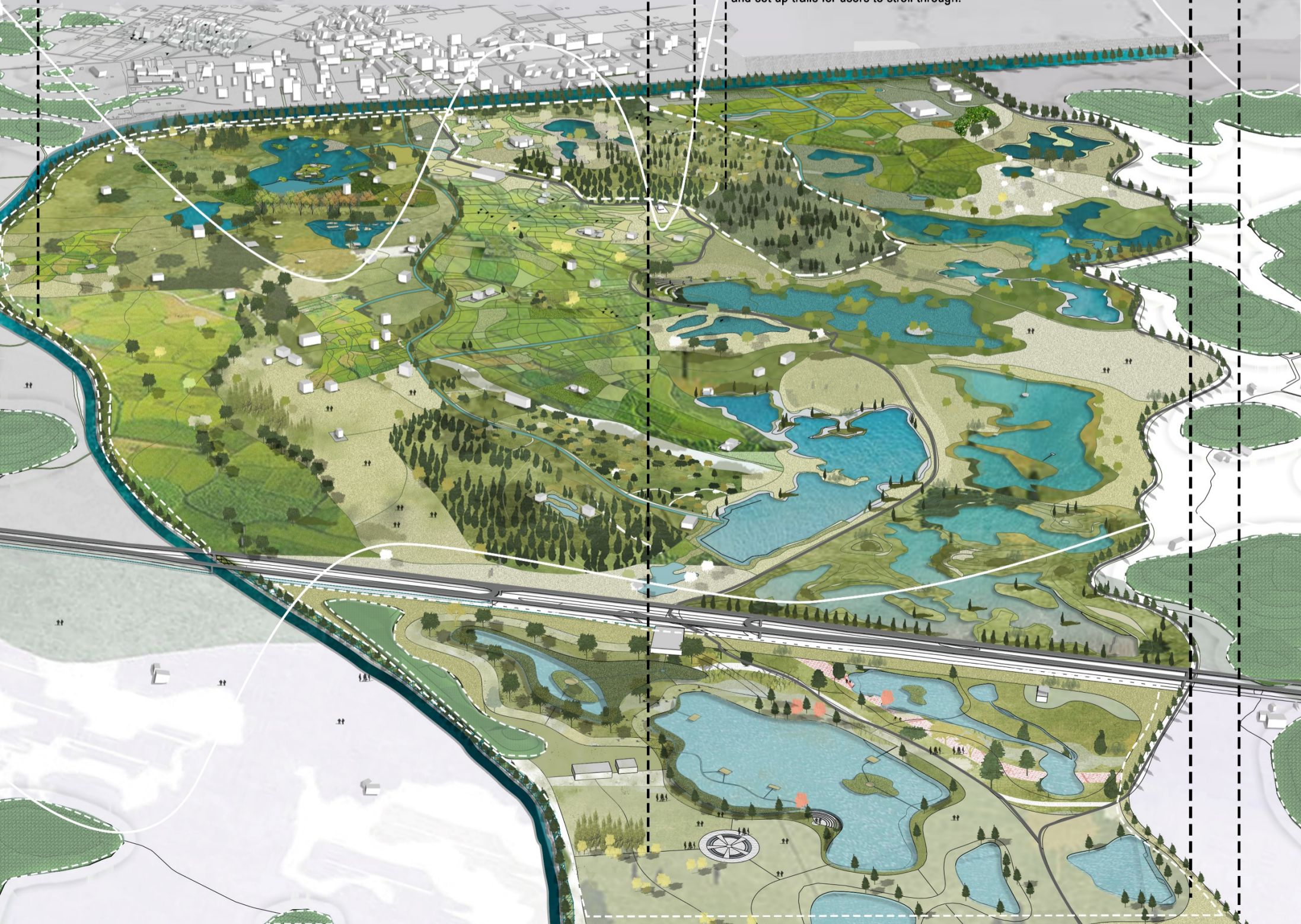
By diverting the watercourse the wetlands help slow water speeds, while the "Scale" formation offers an optimized shape for establishing wetland eco systems by dispersing water while minimizing bank separation.

ELASTIC PARK



NATURE MUSEUM AND-SURROUNDING LANDSCAPE

The nature museum mainly focuses on the popular science of Brazilian plants and is surrounded by the popular science garden of plant picking. Preserve the forest area and set up trails for users to stroll through.



farm house



People can experience agriculture and grow fruits and vegetables here



Farm Houses

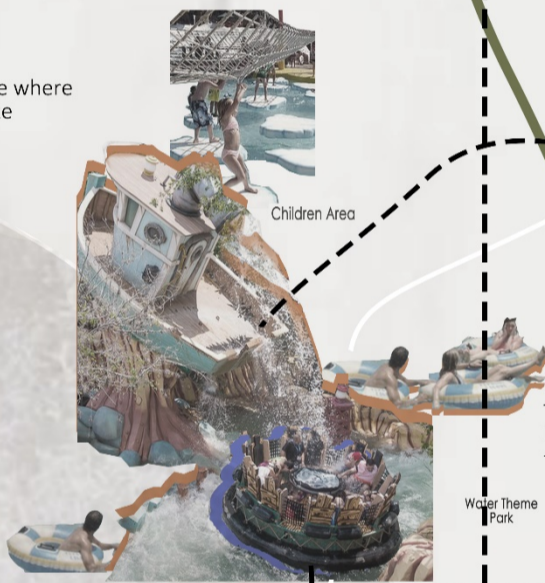


Wetland

Reacher Center



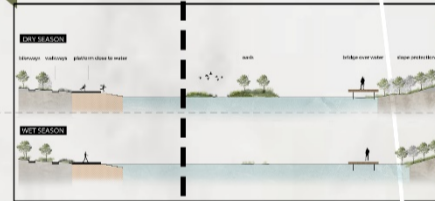
A hydrophilic space where people can socialize



Children Area

Water Theme Park

Through the planning and design of resilient landscape, we hope to help communities cope with periodic or continuous flood disasters, so that they can cope with a new way of life.



In this resilient park, the main design strategy is the fill and dig strategy, where the newly dug reservoir can act as a natural conduit and buffer during periods of flood and can store excess rainwater for future use during periods of drought. The embankment along the river made of the excavated soil also has the function of flood control.

Structures

- recharge well
- platforms and bridges
- flower field

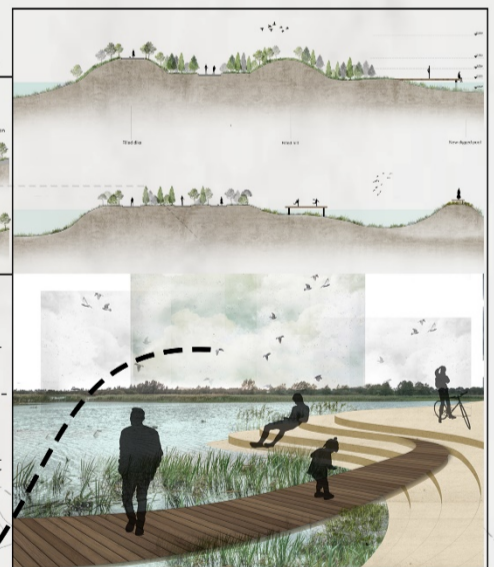
Buildings

Roads and paths

Waterbody

Green area

- forest
- grassland
- wetland

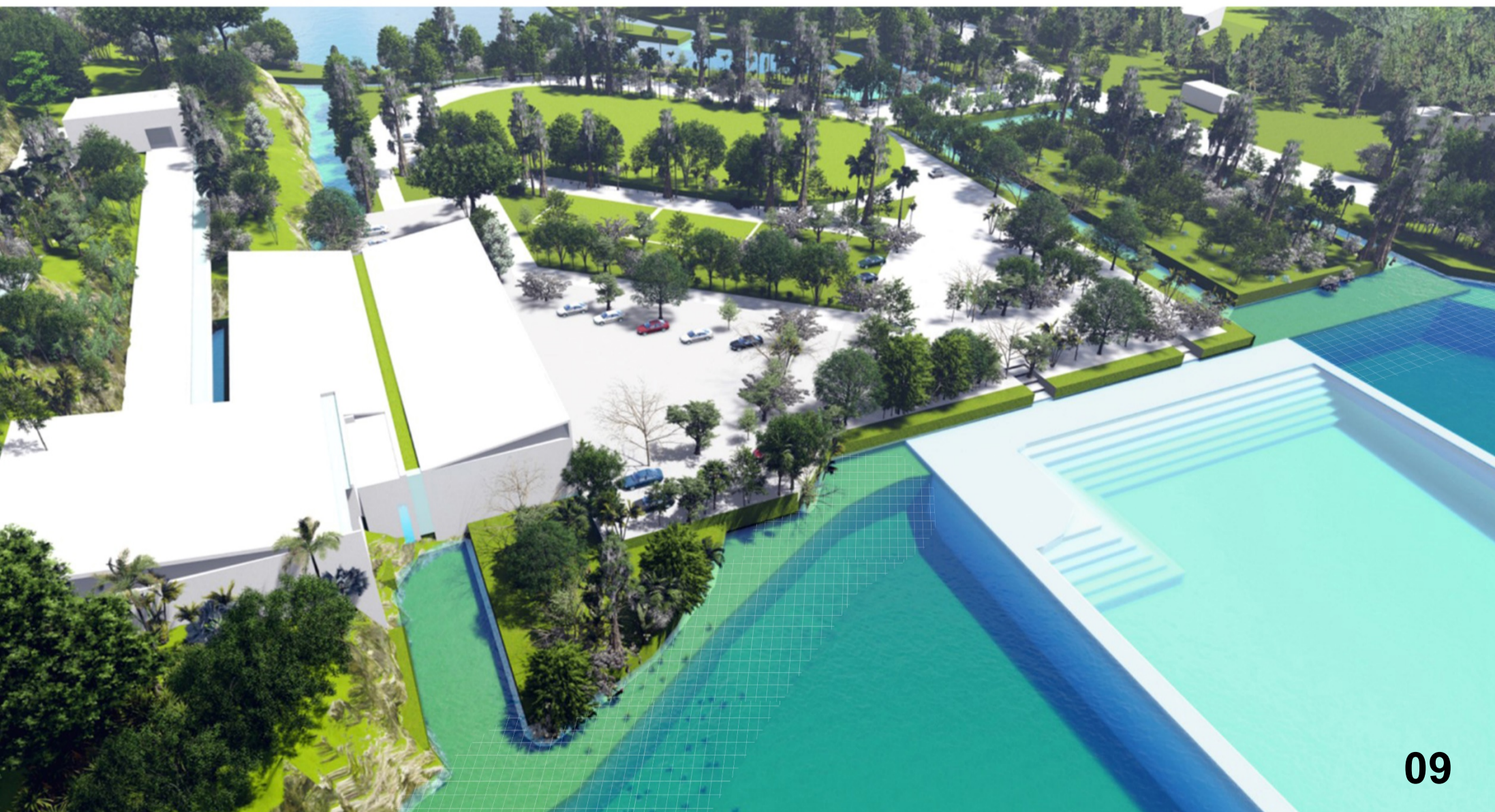
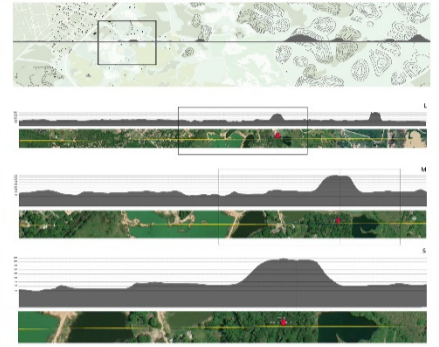
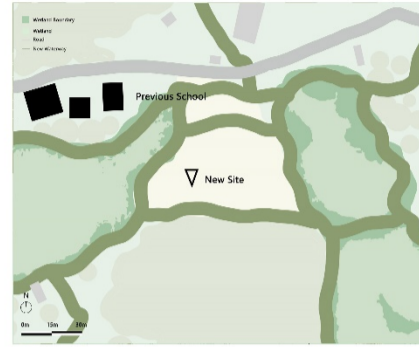
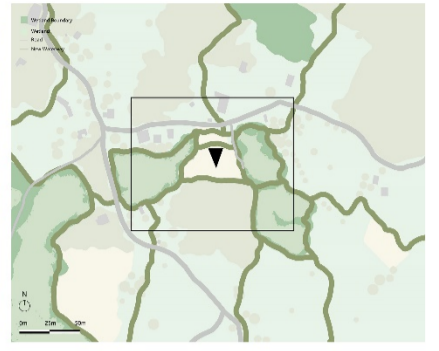


Elastic park area

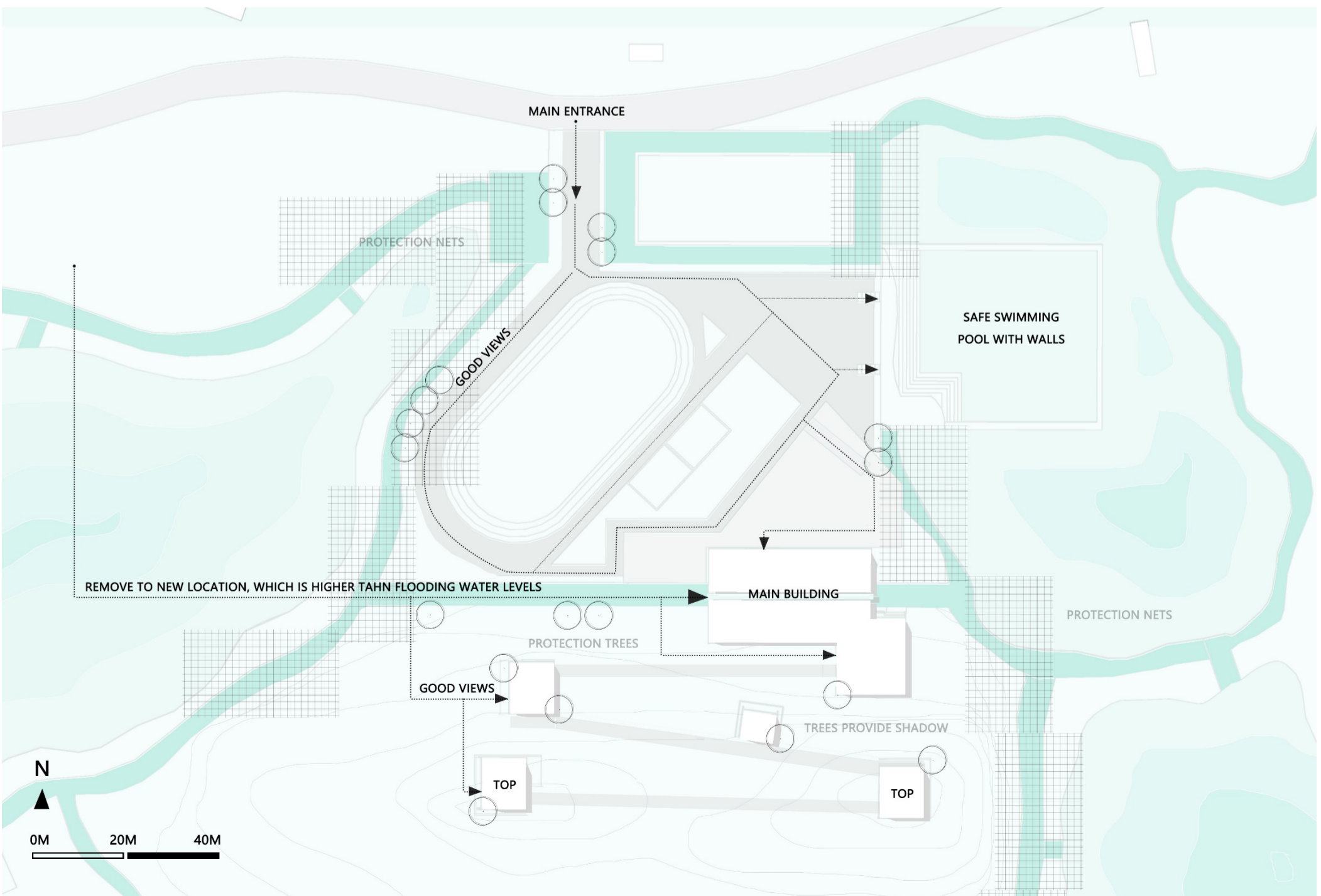
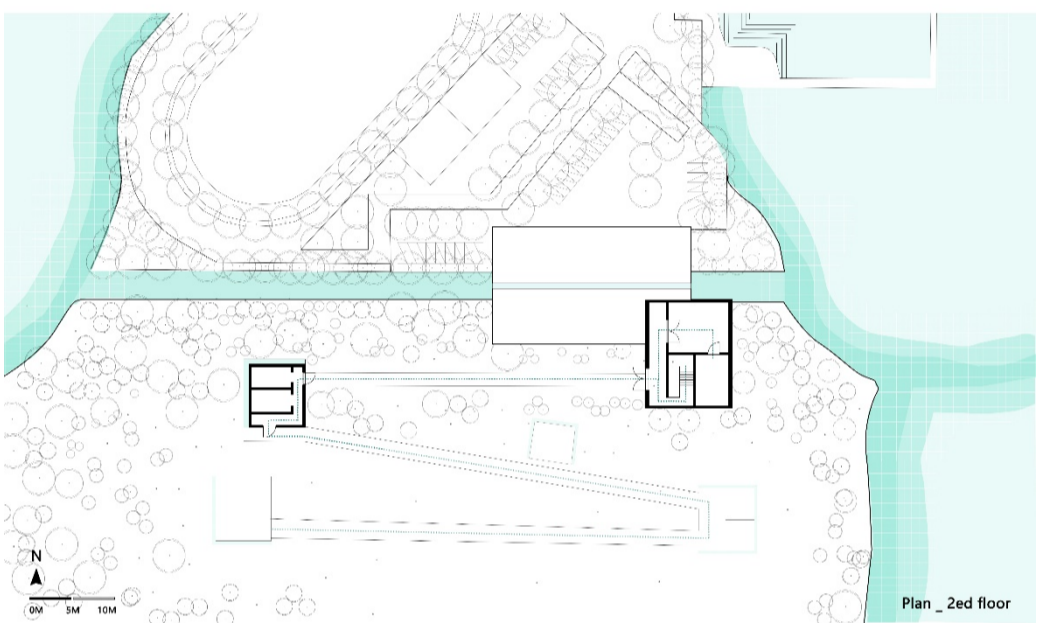
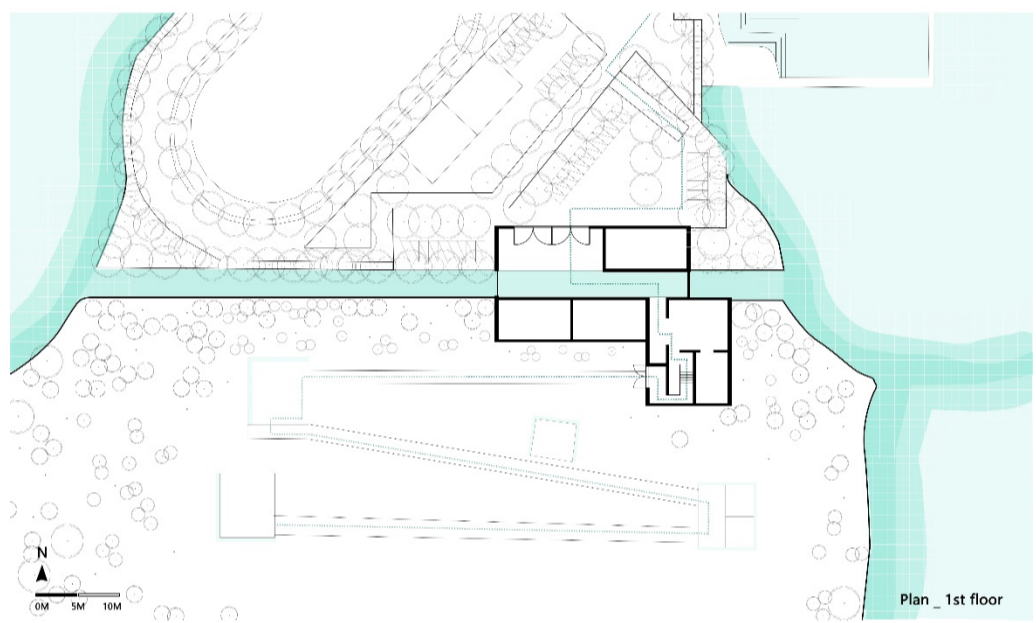
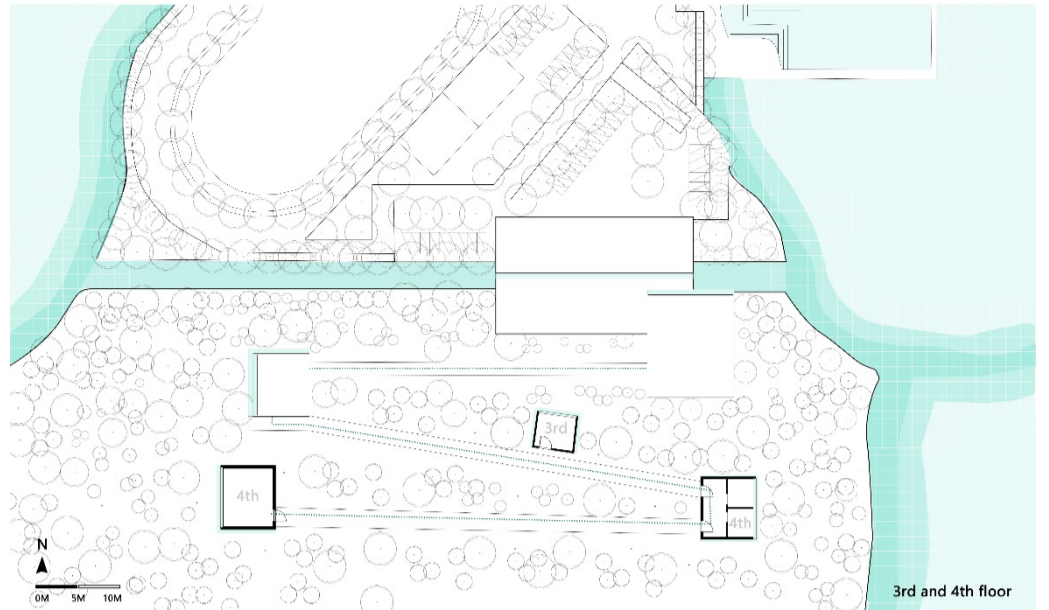
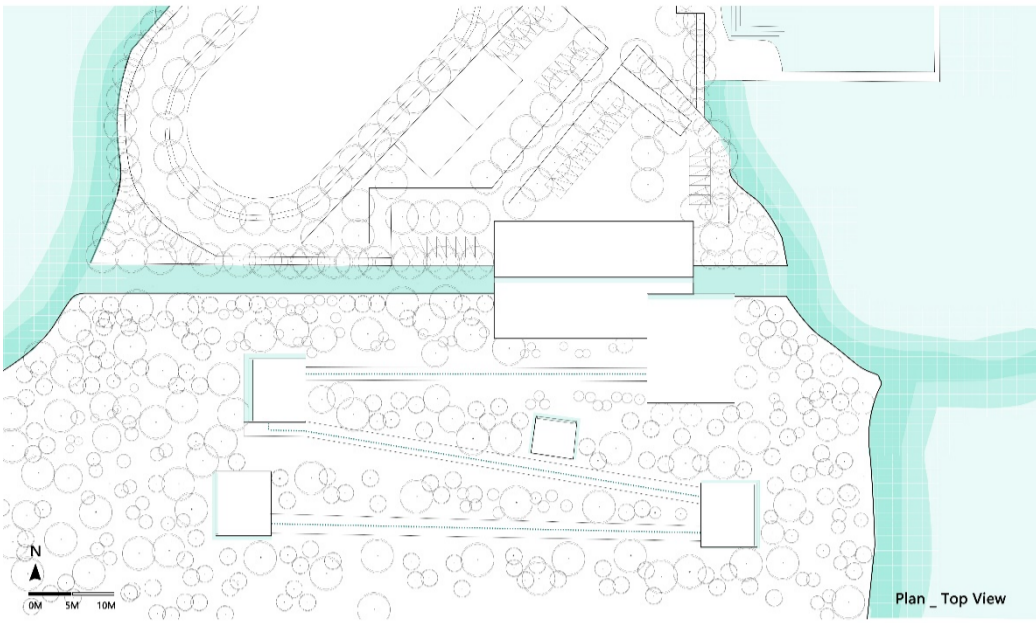
LENGEND

- | | |
|----------------------|----------------------|
| 1 Agricultural area | 6 Water storage |
| 2 Education area | 7 Drainage zone |
| 3 Eco-tourism area | 8 Ecological wetland |
| 4 Agricultural area | 9 Elastic park area |
| 5 Flood control area | |

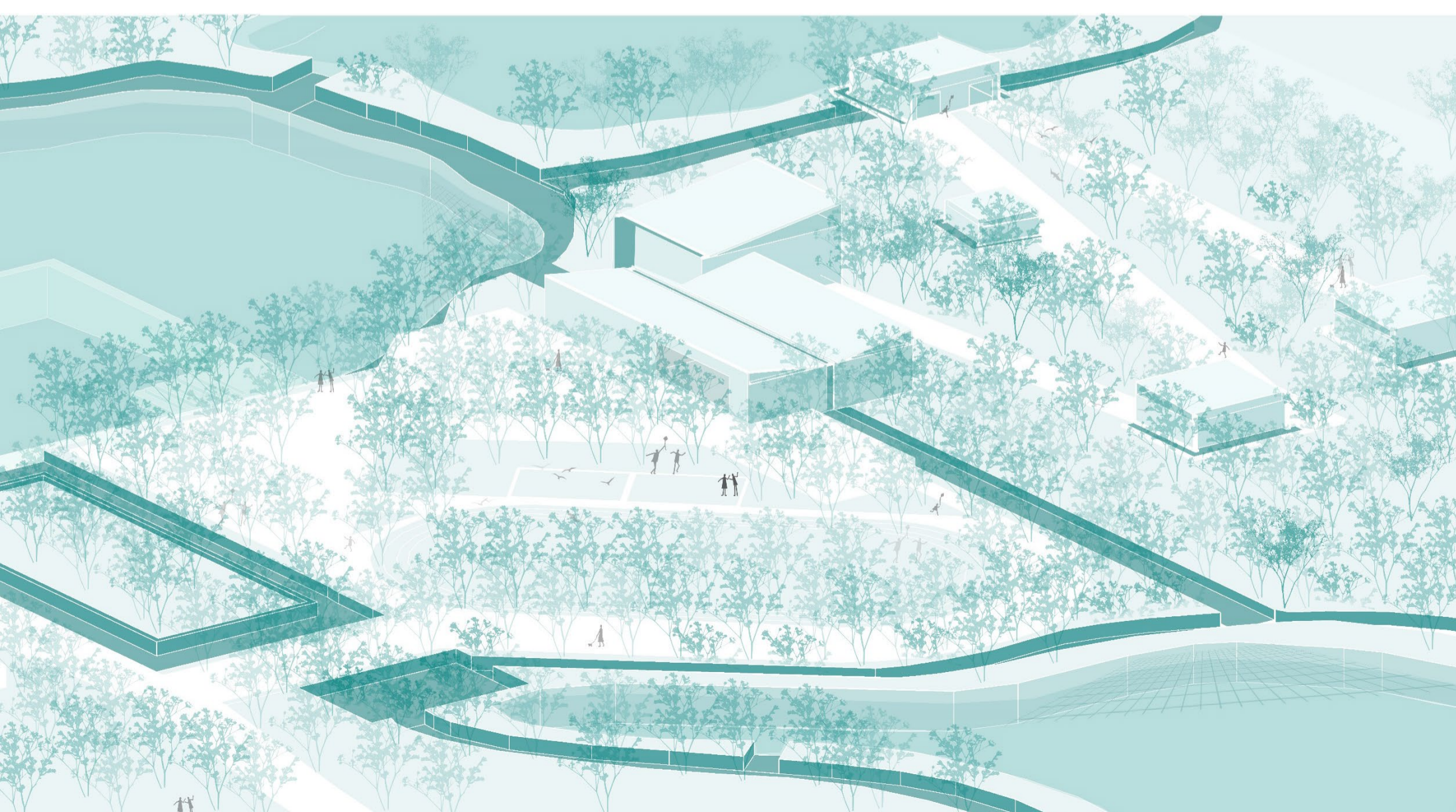
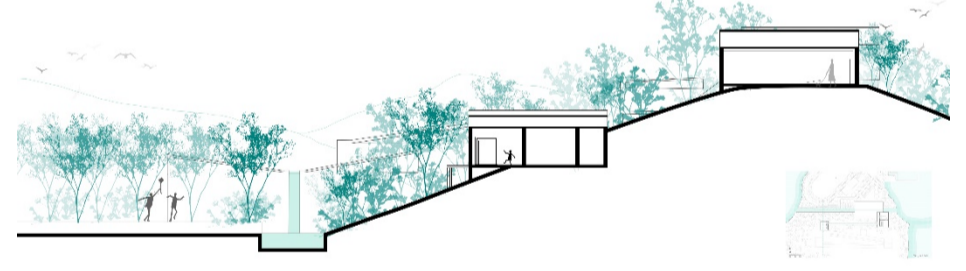
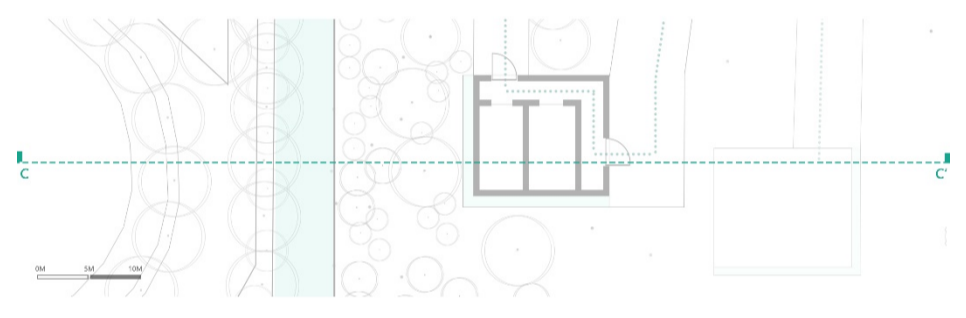
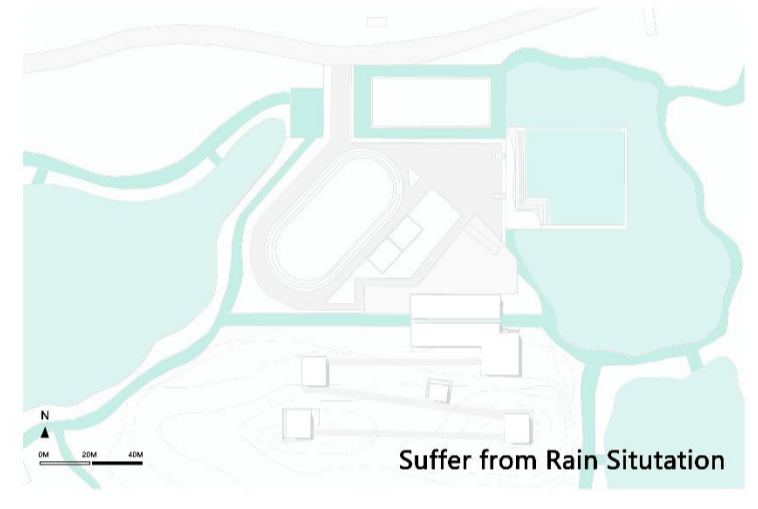
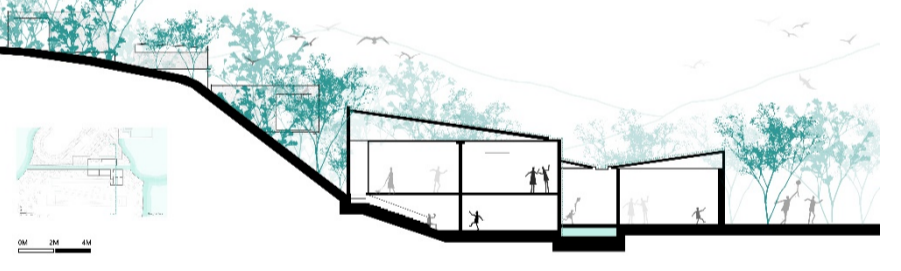
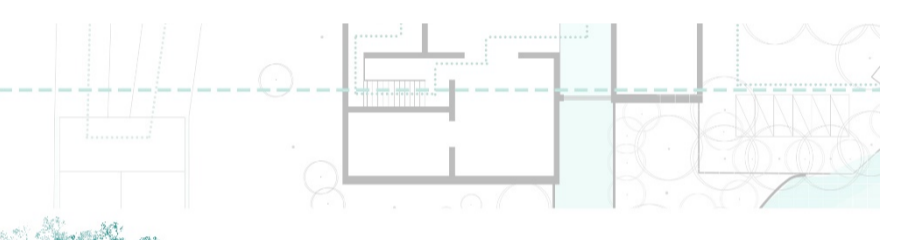
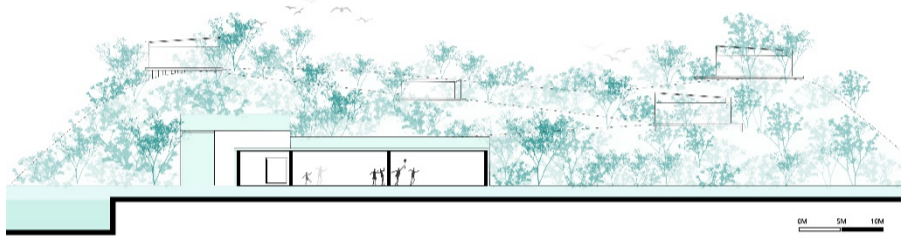
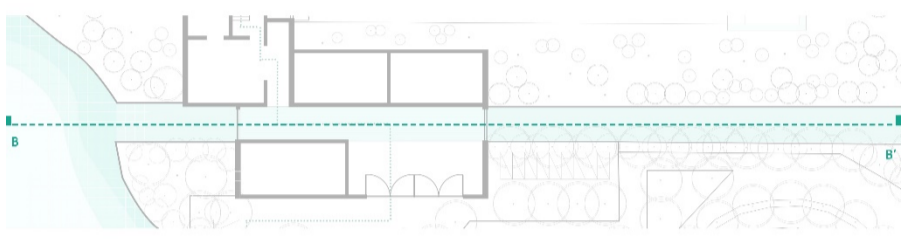
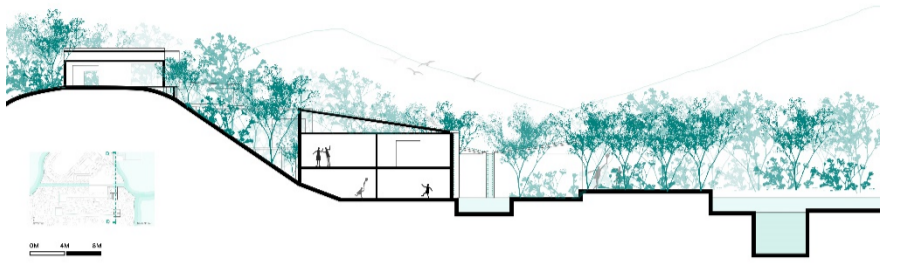
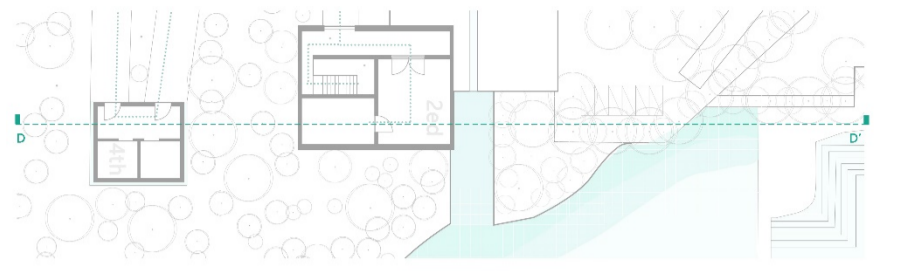
Communicate with Nature

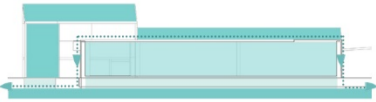


Communicate with Nature 10



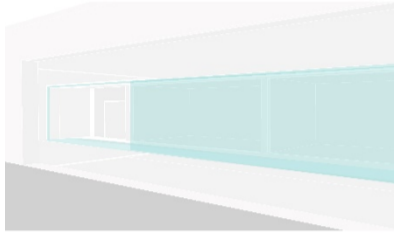
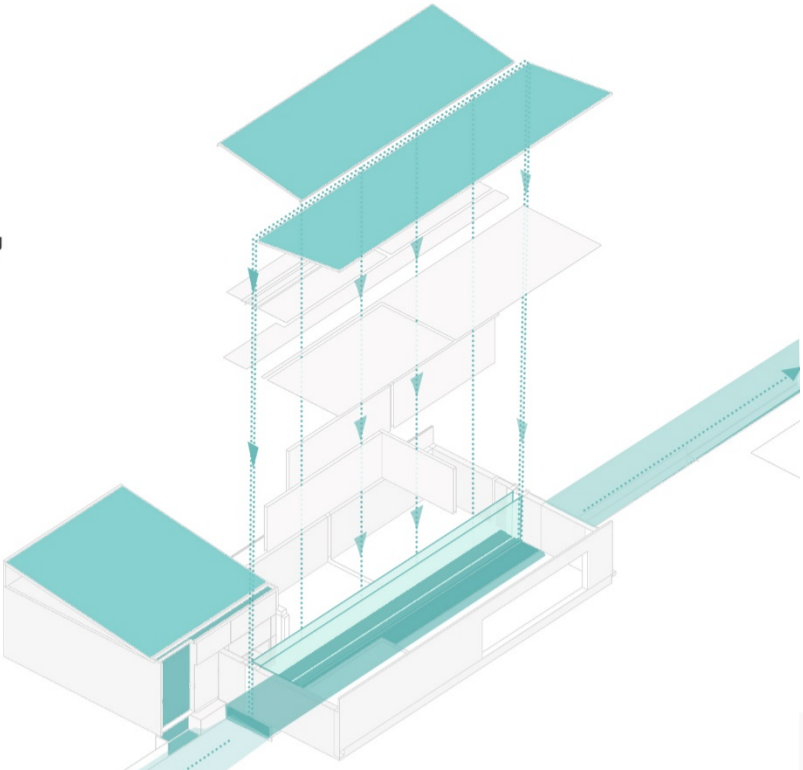
Communicate with Nature 11





BLUE WALL INSIDE THE BUILDING

On rainy days, rainwater is collected by the sloping roof, flows along the glass wall in the house and finally flows into the sink below, and gathers into the lake water.



Communicate with Nature 12



