

UNIVERSITY OF BOTSWANA

ECOLOGY AND ARCHITECTURE  
SEGODITSHANE RIVER VALLEY

ARCHITECTURE YEAR 4 PORTFOLIO

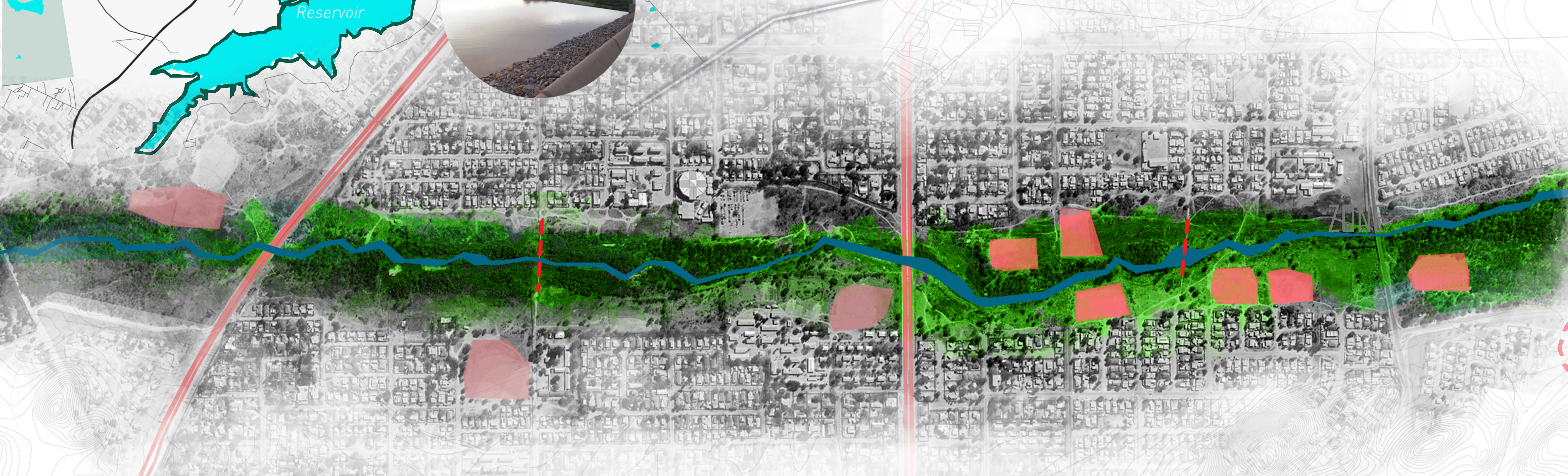
# SEGODITSHANE RIVER VALLEY HEALING THE ECOSYSTEM



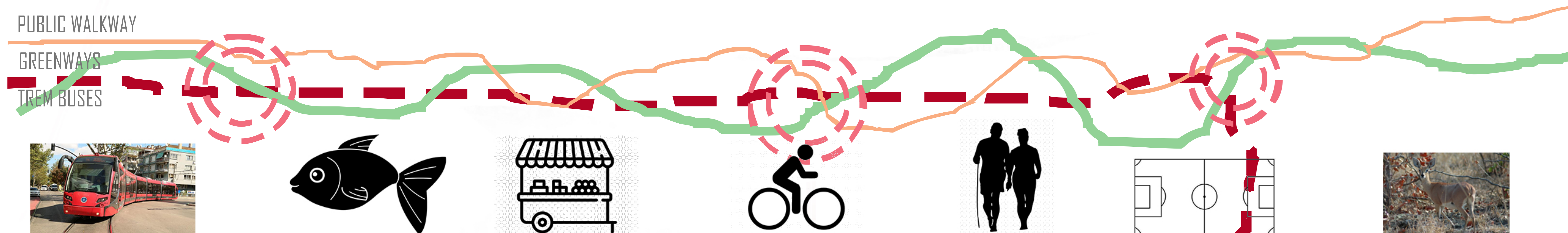
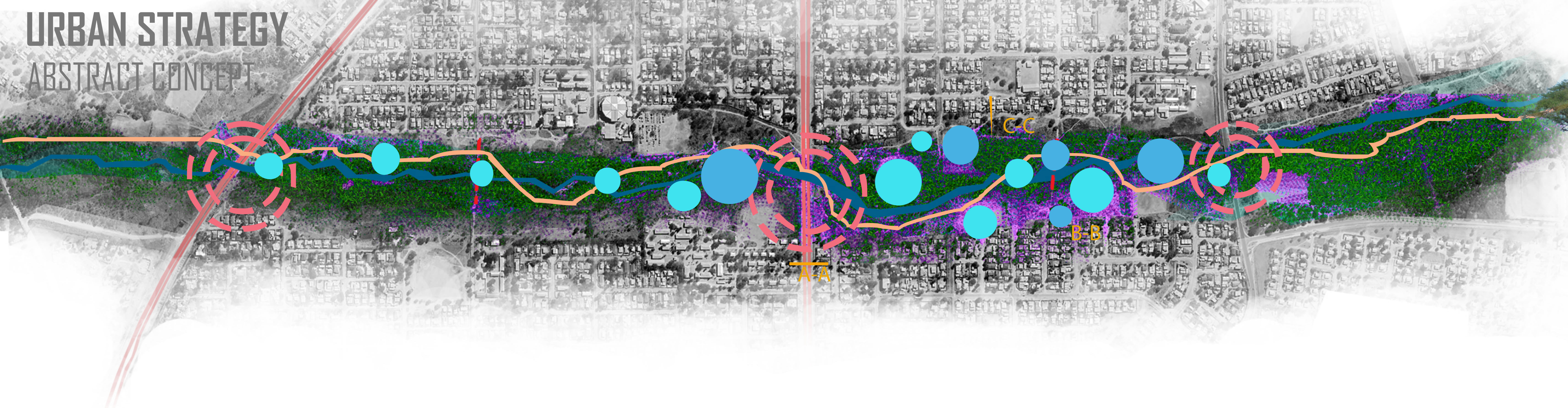
## MAJOR PROBLEM AT SITE FLOODING



## ECOLOGY / COMMUNITY



# URBAN STRATEGY ABSTRACT CONCEPT



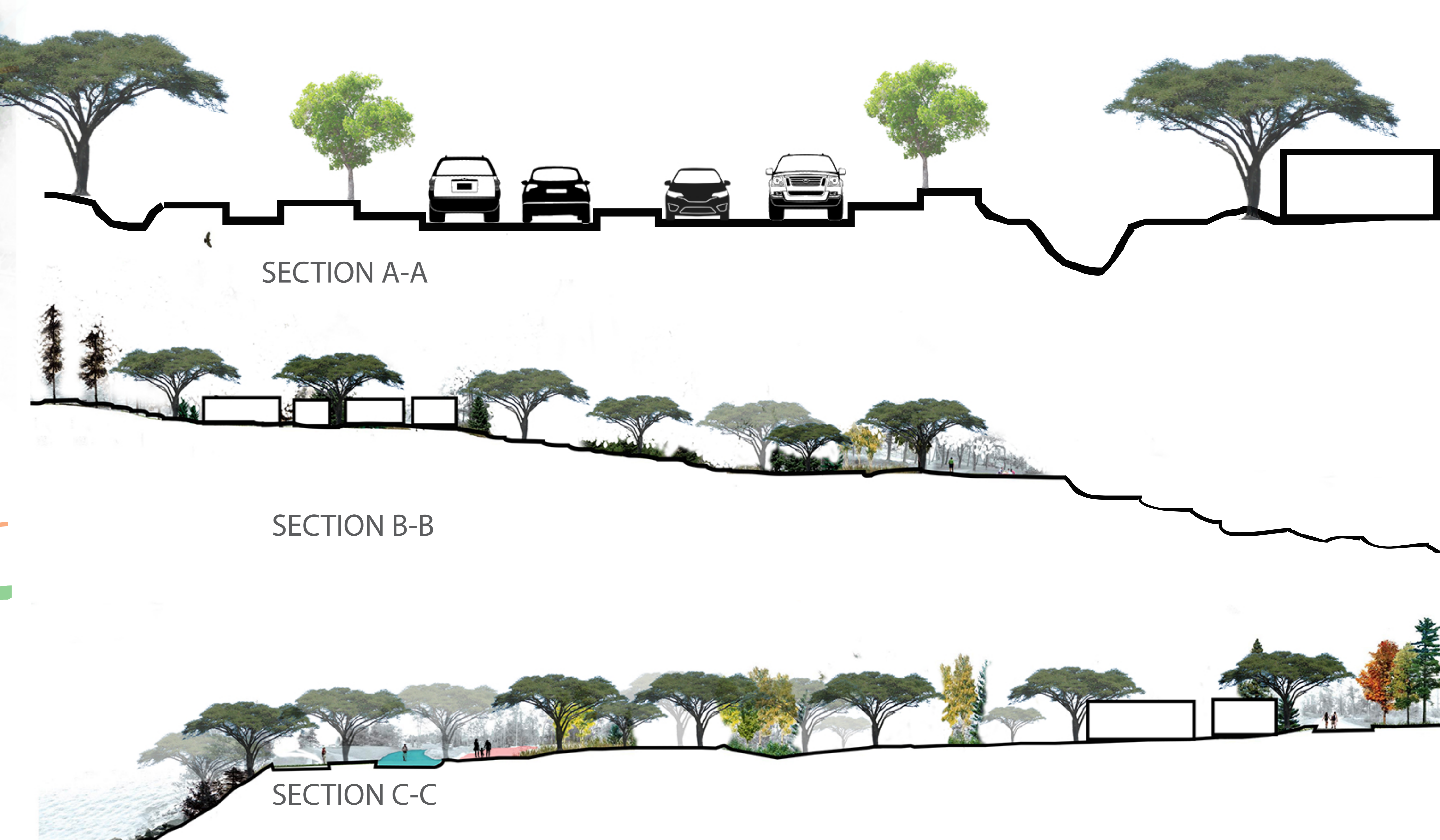
# WETLAND PARK



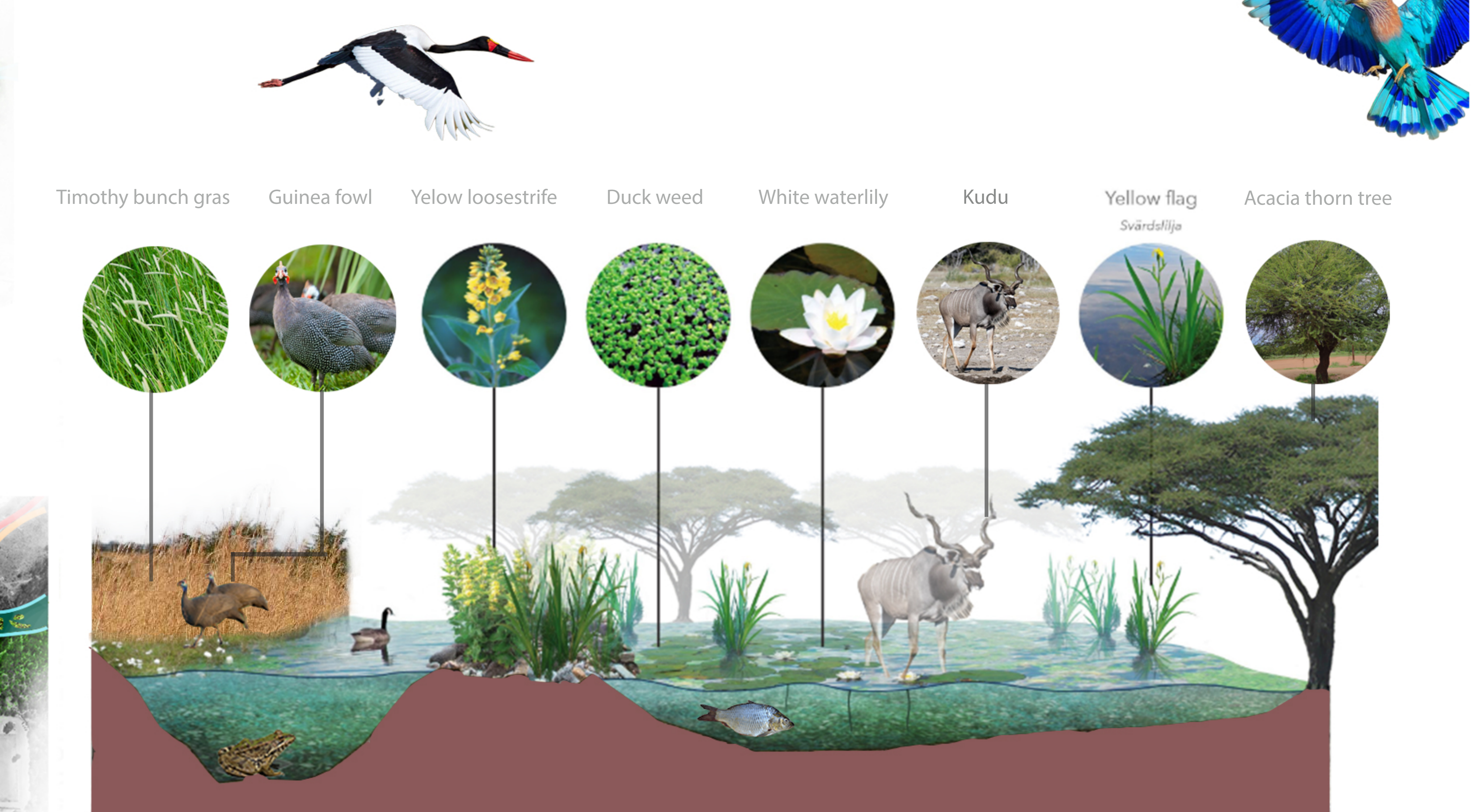
# FUNCTION ALLOCATION



# URBAN RUNOFF



# CREATING WETLANDS



# CASE STUDY

## Zhangjiagang Town River Reconstruction

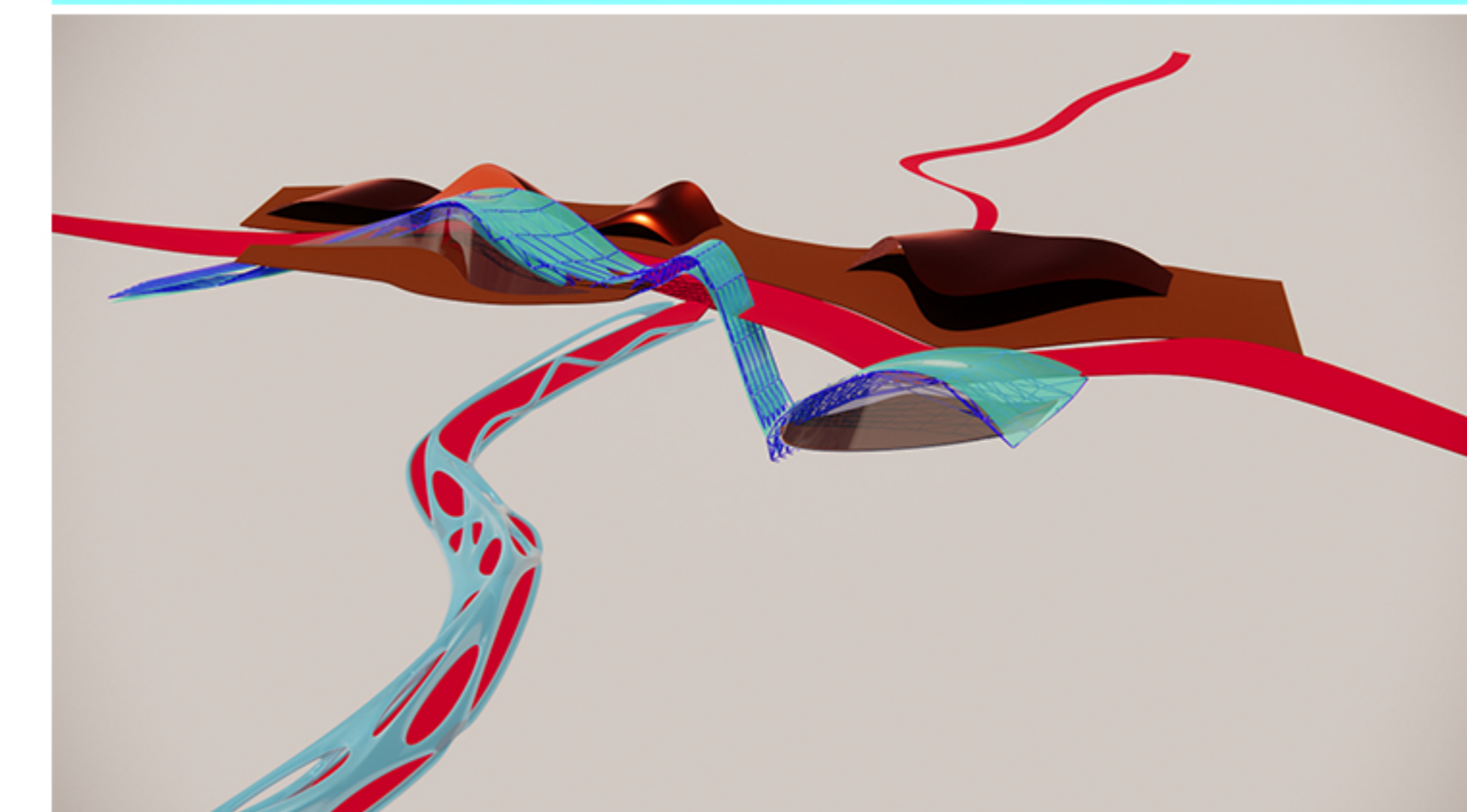
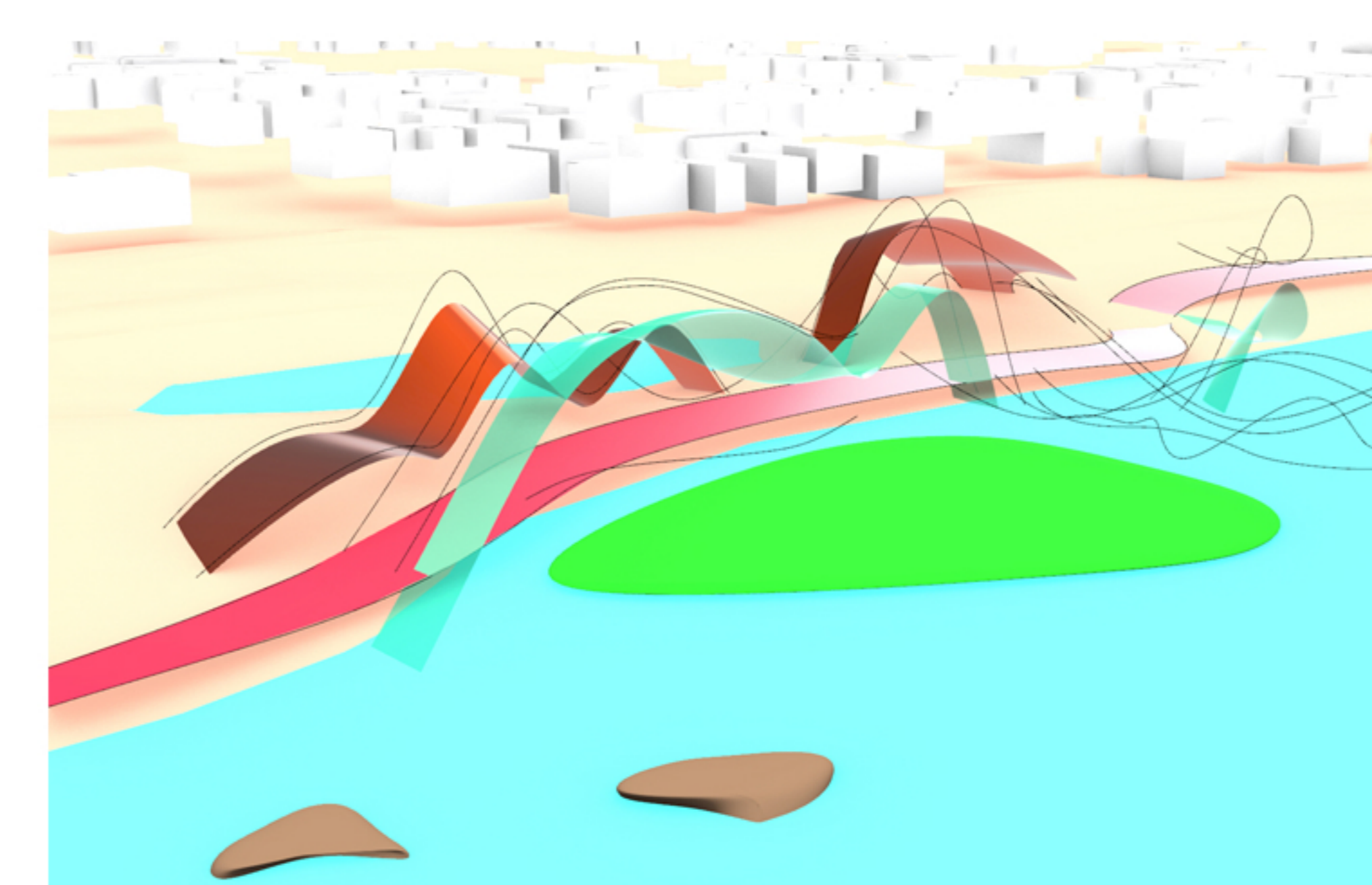
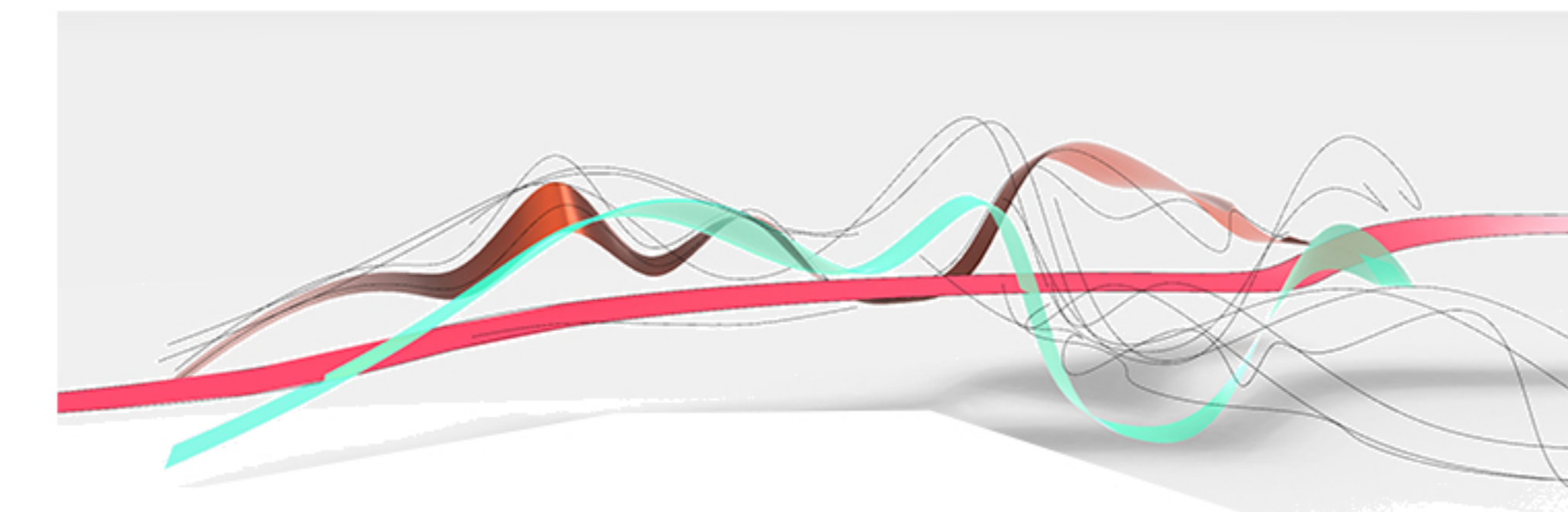
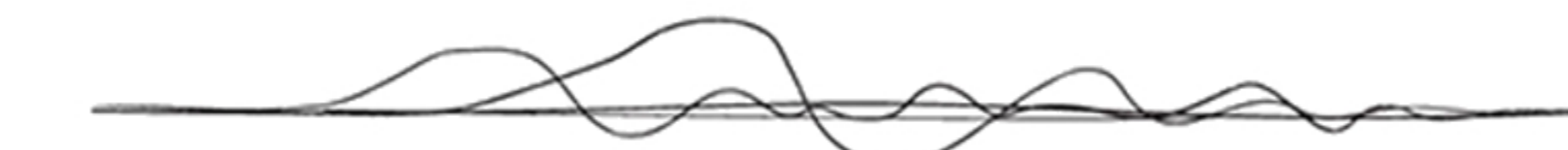


# DESIGN BRIEF

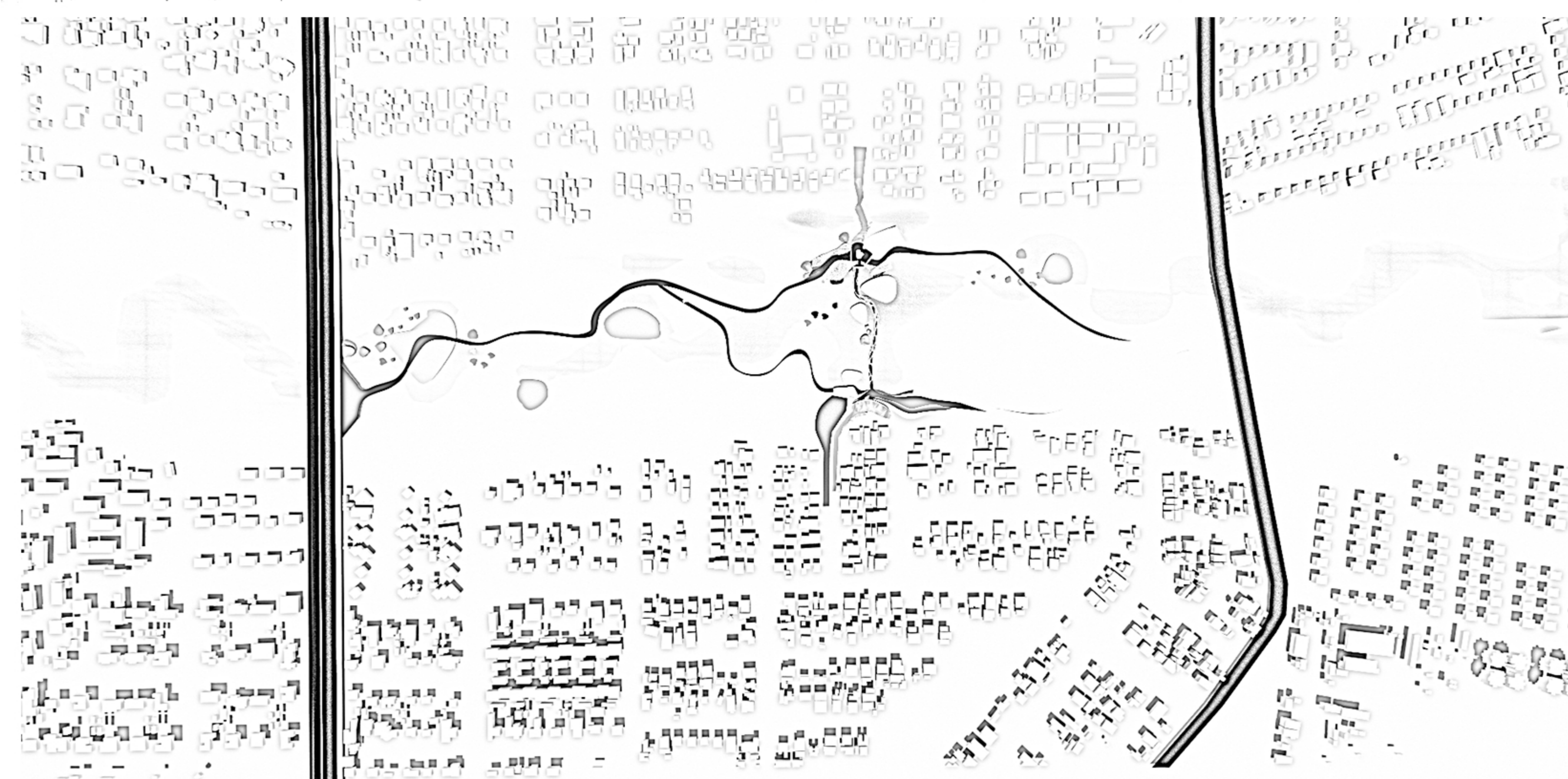
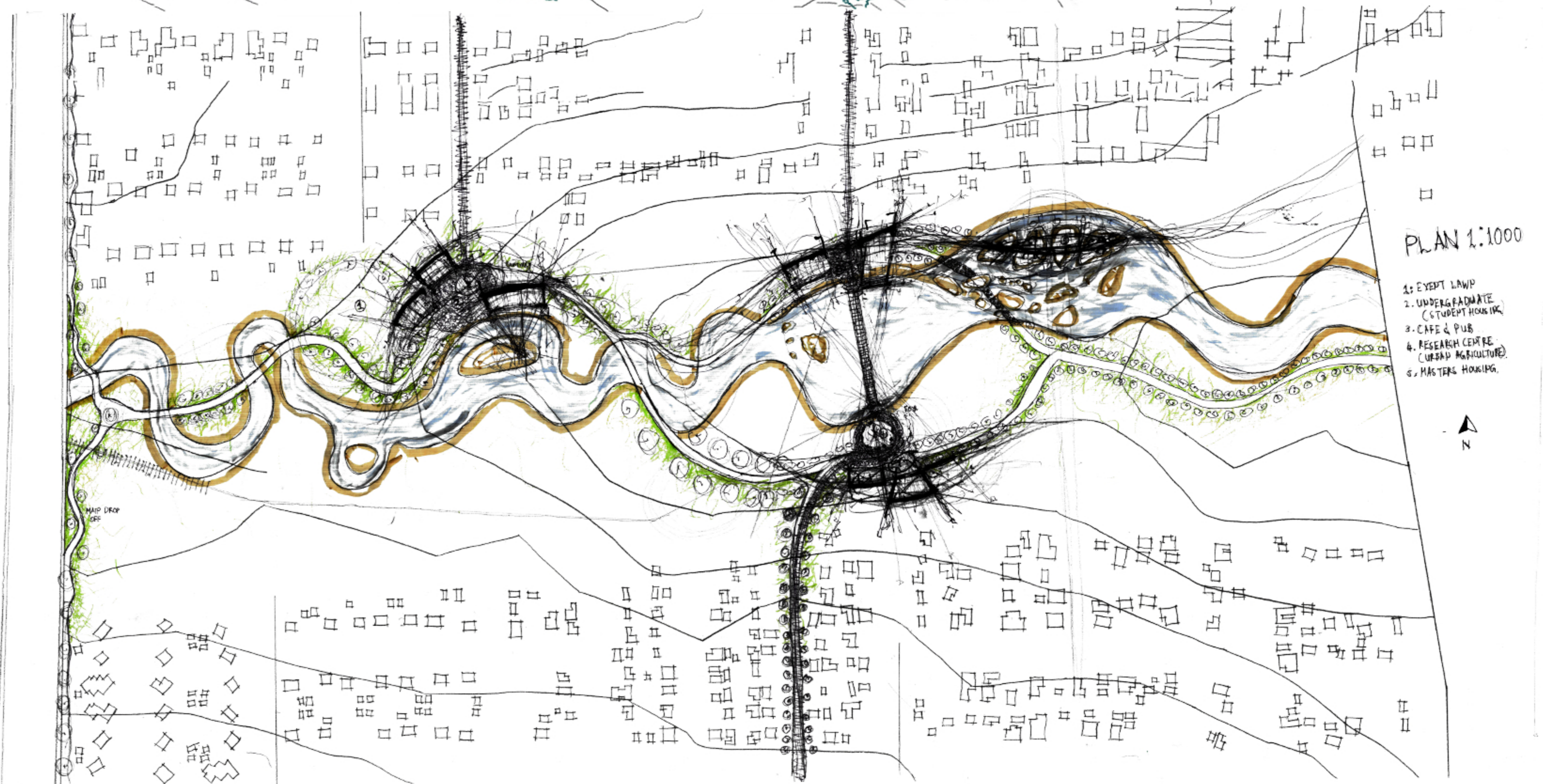
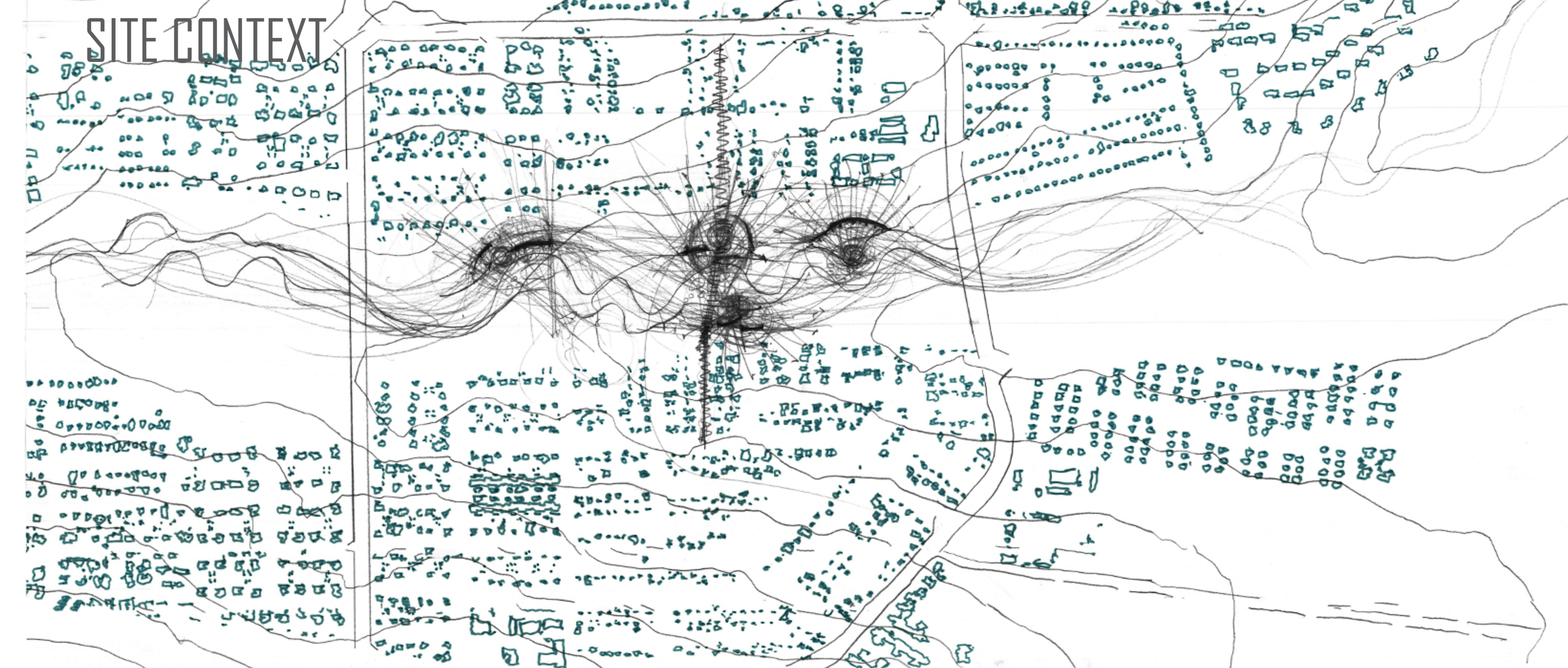
Design student housing for Undergraduate, Post graduate, Masters and Research students taking into consideration the Ecology of the place, the floods the condition of the infrastructure at site.

SPACE	AREA AND Occupants	OBJECTIVE	TARGET AUDIENCE
Gathering/Event lawn	Occupants 200 Area	Weddings, Cultural festivals, Art exhibitions	The community.
Cafeteria and Pub	Occupants 50 and 40 Area	Act as an anchor of the community bringing people together by selling food	People using the bridge everyday going across the two sides of the river
Urban Agriculture research center	Occupants 30 Area	Open plan offices, research Lab, Auditorium	Masters and Research students.
Student housing (Undergraduate and Post Graduate)	Occupants Area	Rented apartments, student housing as a part of the community.	Undergraduate students
Masters Residence	Occupants 20 Area	A more private residence because most of them have families.	Masters and Research students

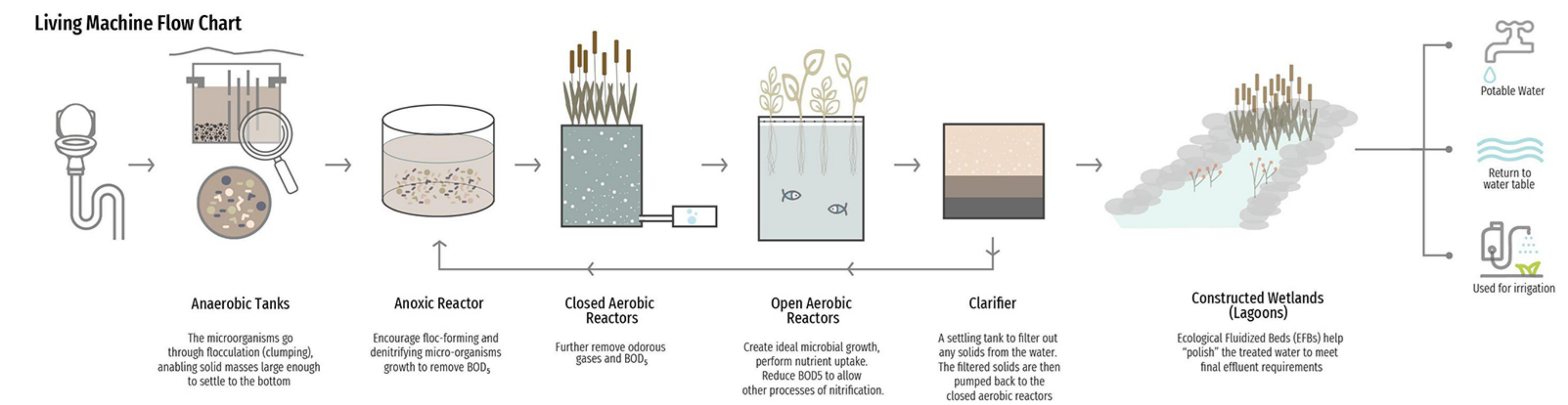
# PARTI CONCEPT



# SITE CONTEXT



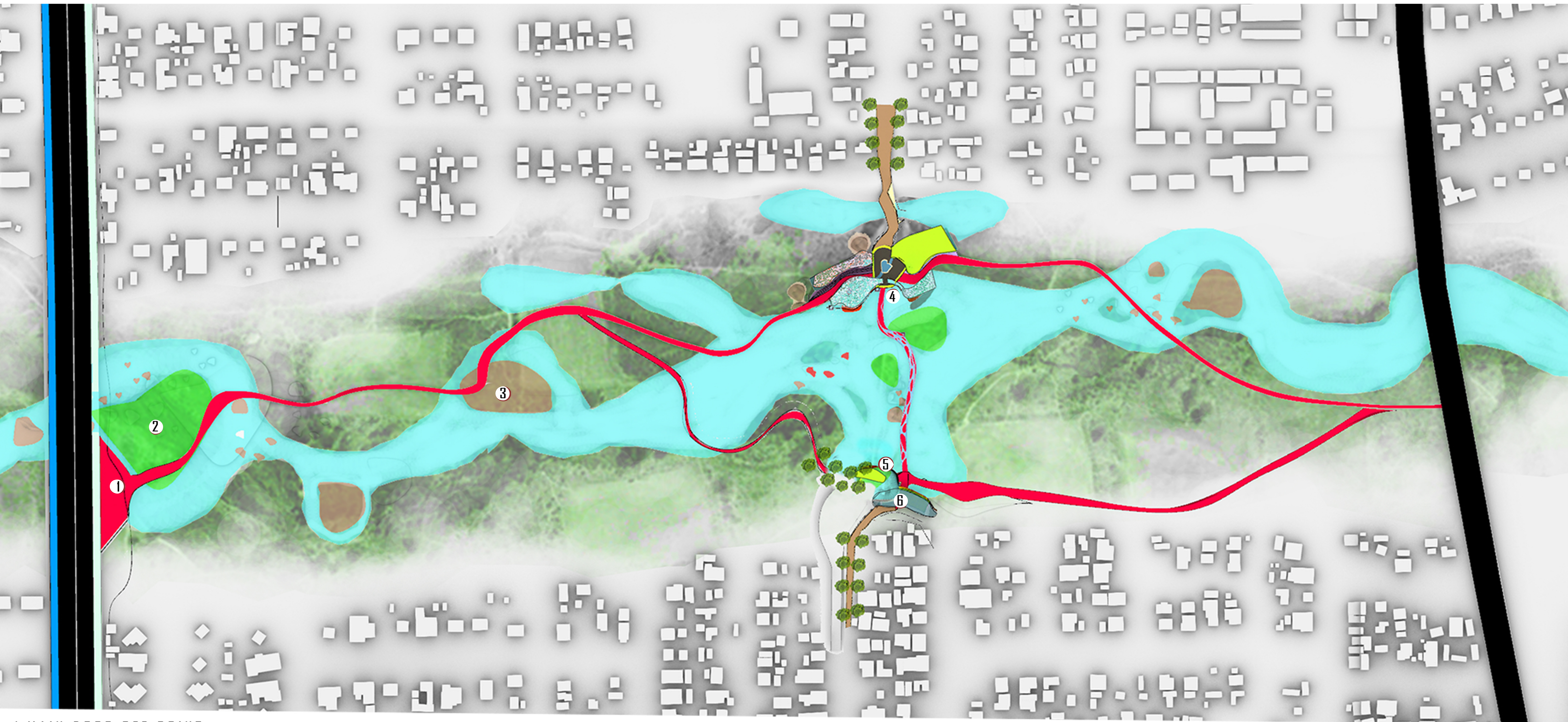
# LIVING MACHINE



# AQUAPONICS



# MASTER PLAN



1. MAIN DROP OFF POINT

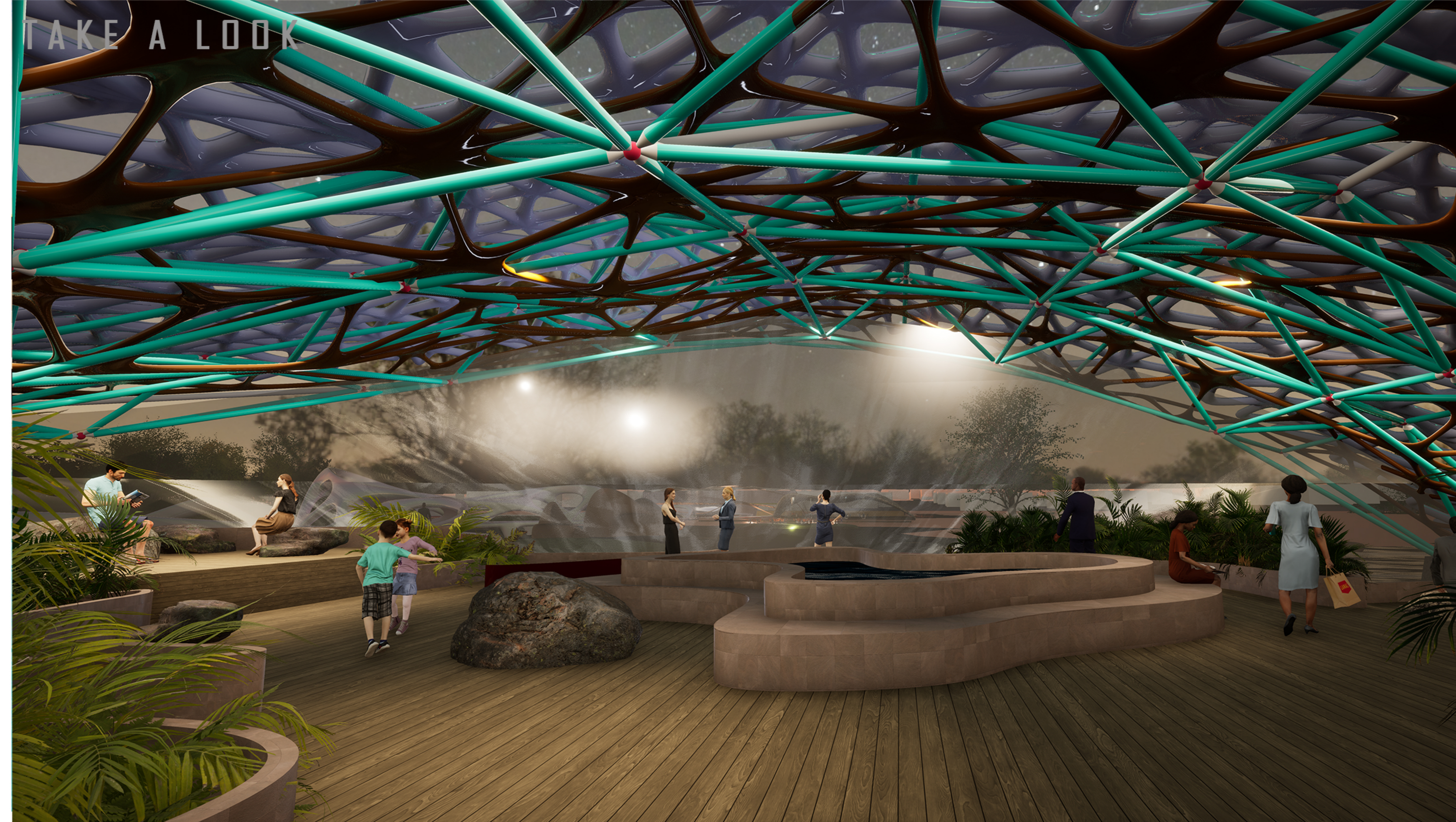
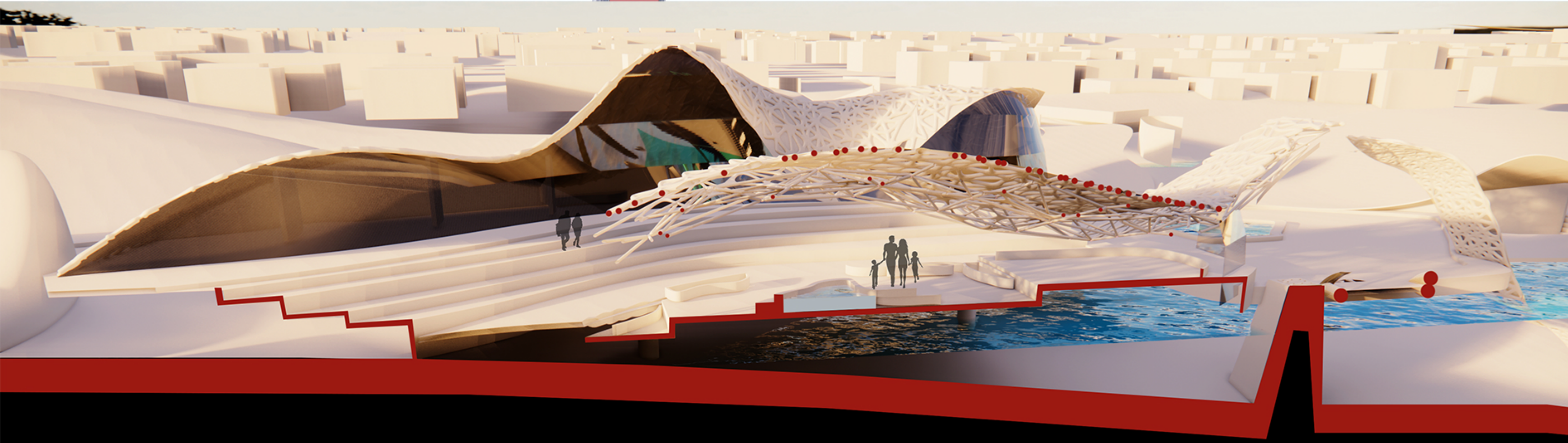
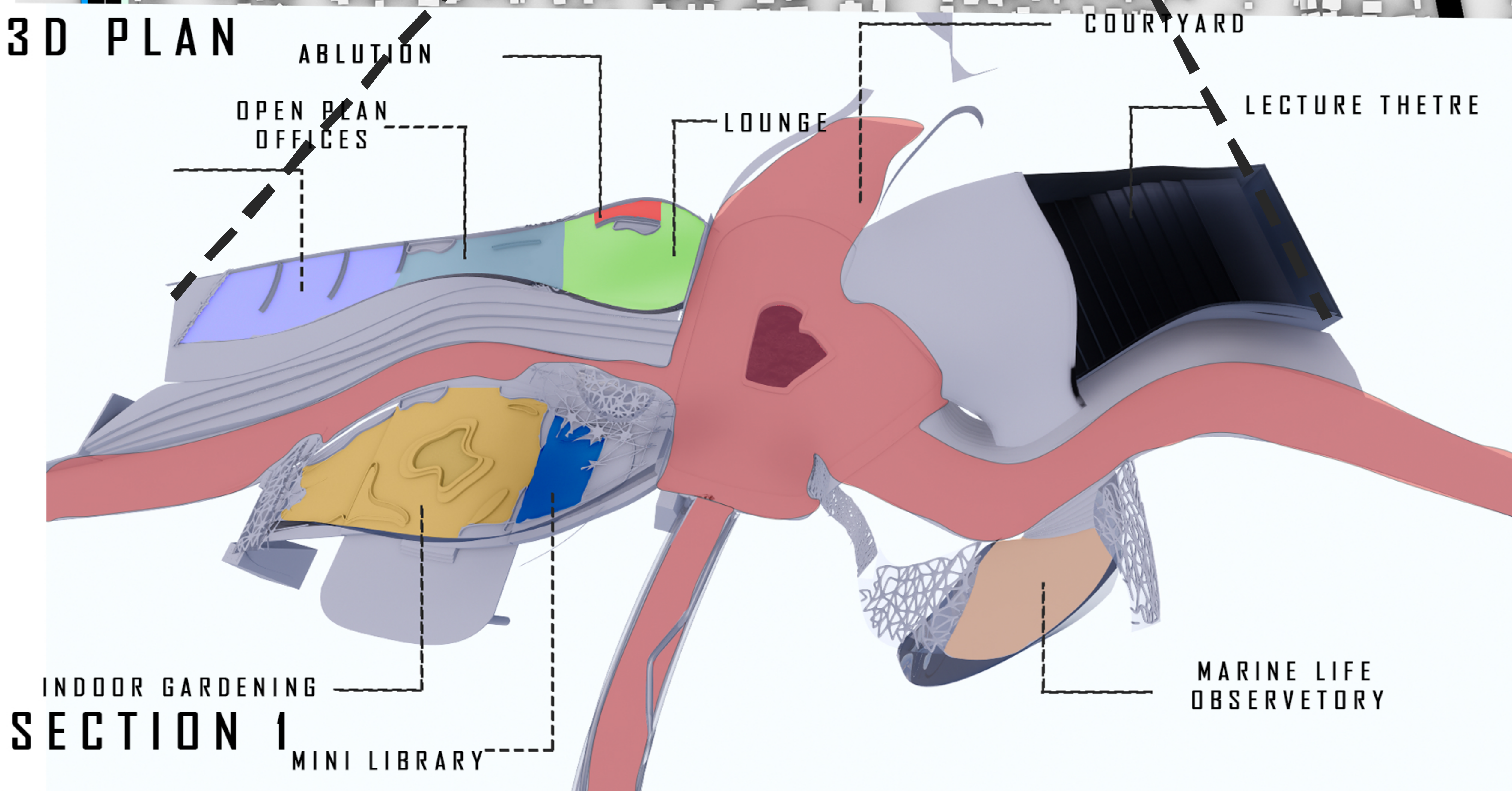
2. GATHERING/EVENT LAWN

3. WATER GARDEN

4. RESEARCH CENTRE

5. RESTURANT

6. STUDENT HOUSING



### OVERALL SECTION

