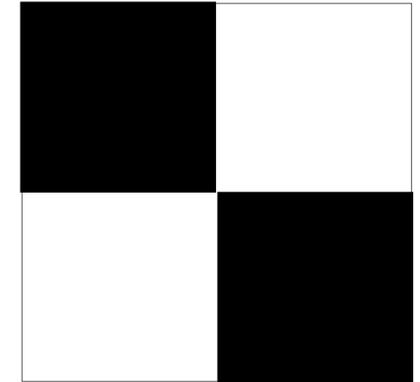


MULTIFACETED



Mudong Jung

GSAPP 2022

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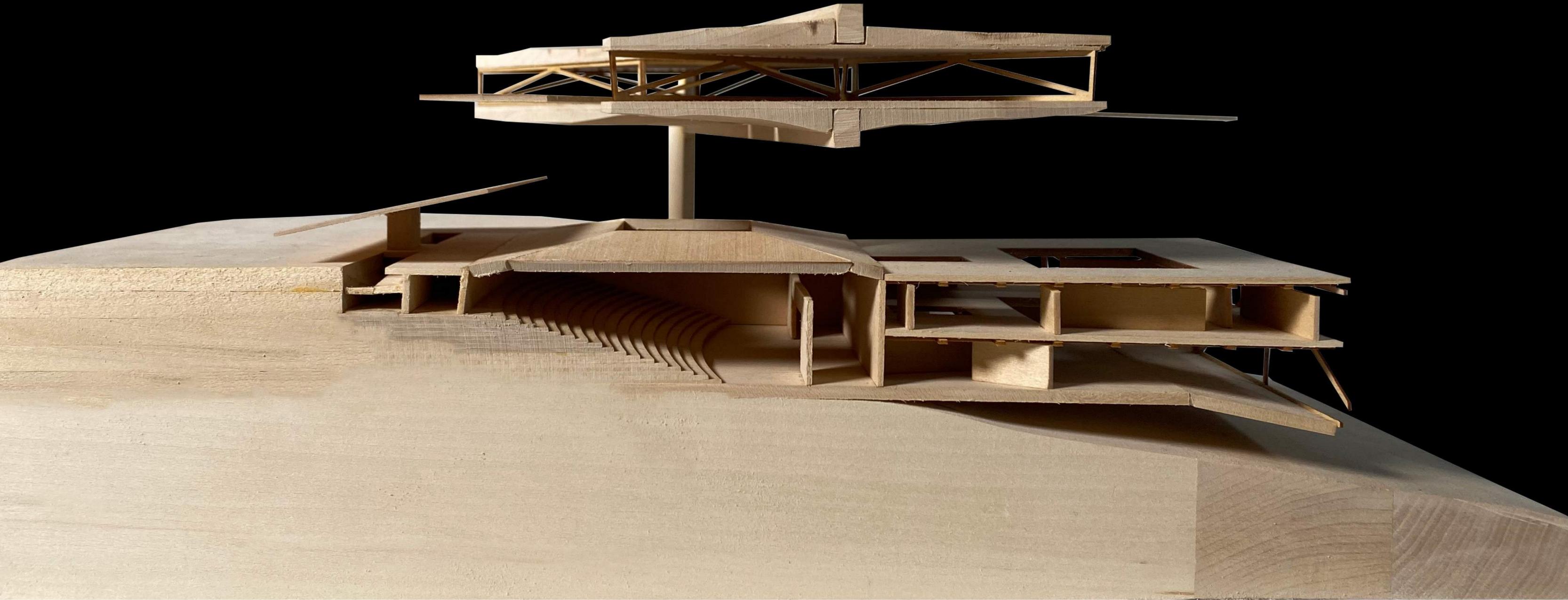
Visual Electives/Essays

Overture: Threshold between the End and Beginning

This is a personal statement that I have perhaps formed unknowingly throughout my journey in GSAPP based on my cumulative experiences and interactions ...

I believe that, amongst many, one of society's prime responsibilities is toward learning and education in the deepest sense; and that one's right to exercise individual creativity and excellence within a willing community is a profoundly social act. Having been a part of such a communal body for the last 14 months, I've witnessed the possibilities and productivity of an environment where there are freedom of thoughts, resolution determination and intellectual focus on a collective resolve. As an active participant in such a community where nature of pedagogy and works of architecture are activated through constant dialogue and collaboration between students and faculties, I daresay that I have experienced that perhaps the most heartfelt contribution as an individual student can emerge from the most subtle discourse. The potential and responsibility of such a community is not bound by the physical limits of a space or number of individuals. Although often understated, I am committed to the belief that such community is an embodiment of a pedagogical mission that not only dwells on the context of architecture as a subject matter but extends over multiple disciplines that shape our built environment. In a community like GSAPP where multitudes of facilities and students that empower the collaborative atmosphere between multidisciplinary fields, I, as an individual with a school of thought, have learned and participated in building a space of convergence and tolerance as a humble contribution. That said, this is not a repudiation of preexisting culture in GSAPP but rather, a simple acknowledgement that part of learning process is an essential communal act that involves a myriad exchanges of "mistakes" and "misinterpretation", if only to leave the room with intellectual transformations on both ends. I believe that architecture is a volatile profession which is extremely sensitive and susceptible to the change of technological advancement. The ability to adapt to the ever progressive nature of fabrication/construction technology is crucial in leading architecture, as a discipline, towards a new society and economy.

With that, I now stand in a threshold, a place in between the End and the Beginning. I presume now is the appropriate time to declare that I am ready to step into the next space as I end my journey in GSAPP and the following pages are humble documentations of personal trials that defined my position at the end.



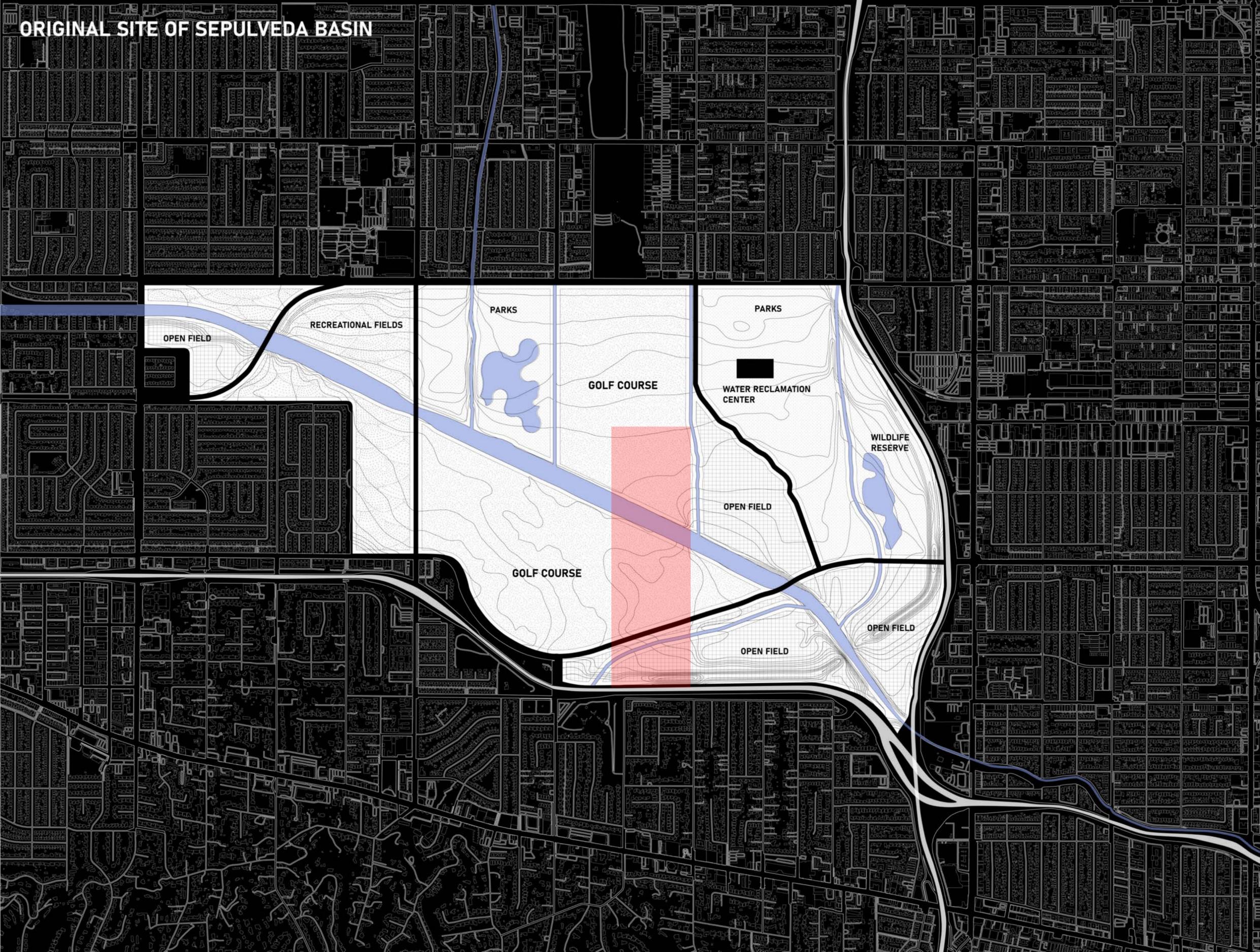
01

Cycle of Remediation

Advanced Studio VI Spring 2022
Laurie Hawkinson

Situated along the LA River, the site, Sepulveda Basin is a flood control basin that is in the heart of Encino, Van Nuys and Reseda that functions both as 100 year flood control basin and recreational area for the neighbouring communities. With 10,000 acres of land that is only partially dedicated to the activities of the residents, the site is heavily underused compared to the bare size of it. As an attempt to converge nature and culture, I have introduced several architectural typologies such as an Art Center, Sports complex and elevated walkway, together with alteration to the width of the LA river path to accommodate more activities and interactions with the river flowing through the basin. The two architectural buildings that are placed in the site are connected by an elevated walkway that provides a direct access to the neighbouring residents into the basin and its nature as well as the cultural centers that promote art related education across the communities. Considering the size of the basin, the introduction of an elevated walkway that connects South and North ends is necessary as the basin, although in close proximity of the residents, is physically separated by city infrastructures such as the 101 Freeway and Interstate 405.

ORIGINAL SITE OF SEPULVEDA BASIN



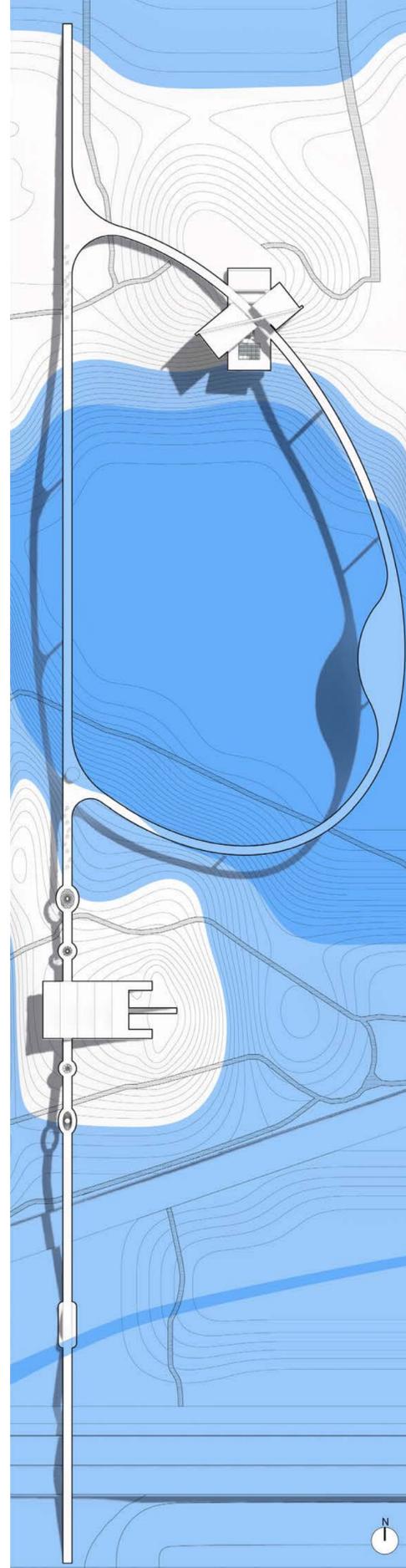
On first look, the basin is located in an area where it is easily accessible to the suburban sprawl growing around it. However, taking a closer look, it is noticeable that the access to the basin is inhibited by large infrastructures such as roads and freeways. In addition, the basin itself is divided into sections which only a few sections are open to the public for leisure activities. The urban nature fabric placed under the brand of "green space" for the neighboring communities on the surface level seemingly looks functional but as a person living next to it, it is a vast land that only serves the greater LA area in case of flooding.



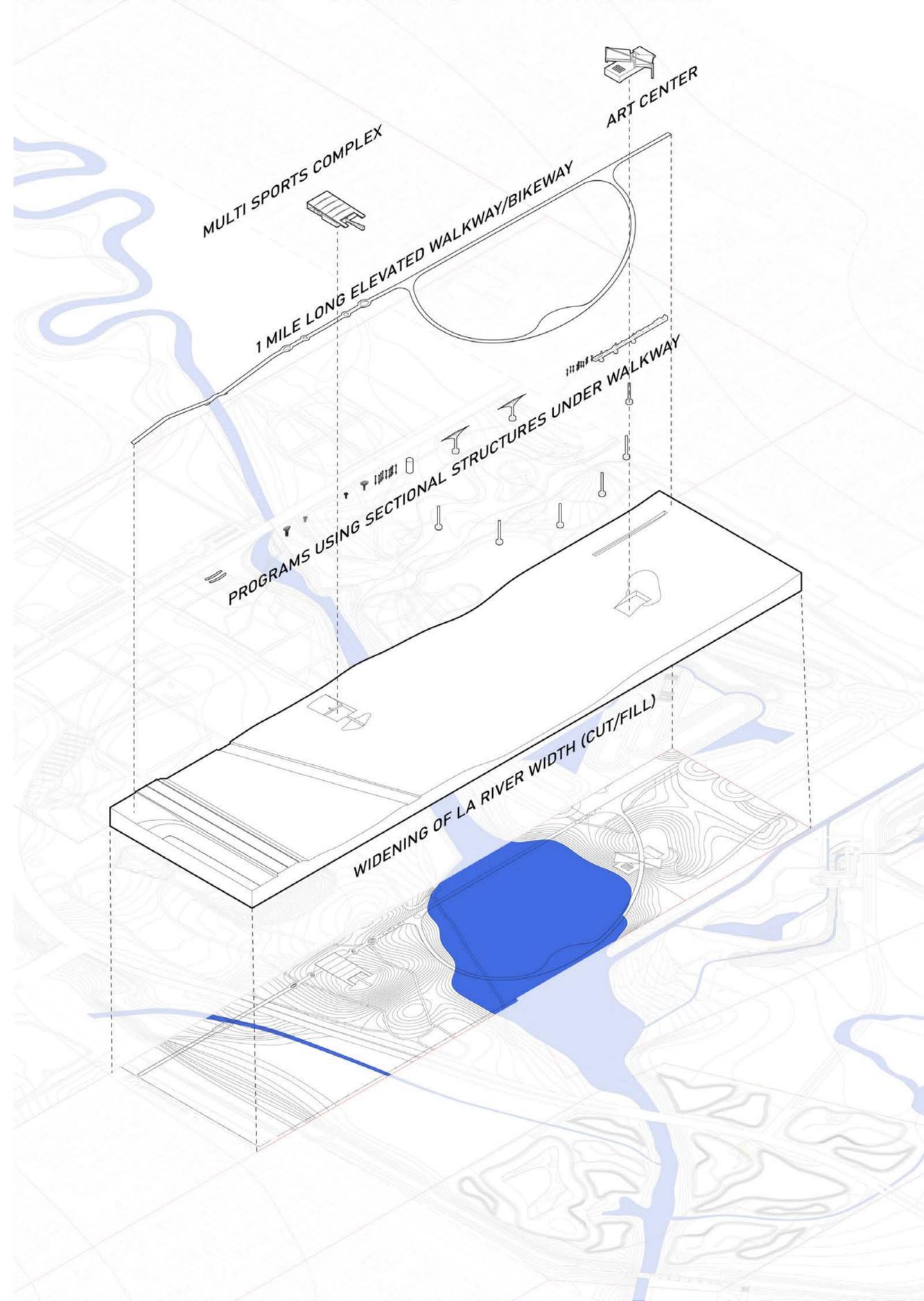
SITE PLAN: NO WATER FLOWING



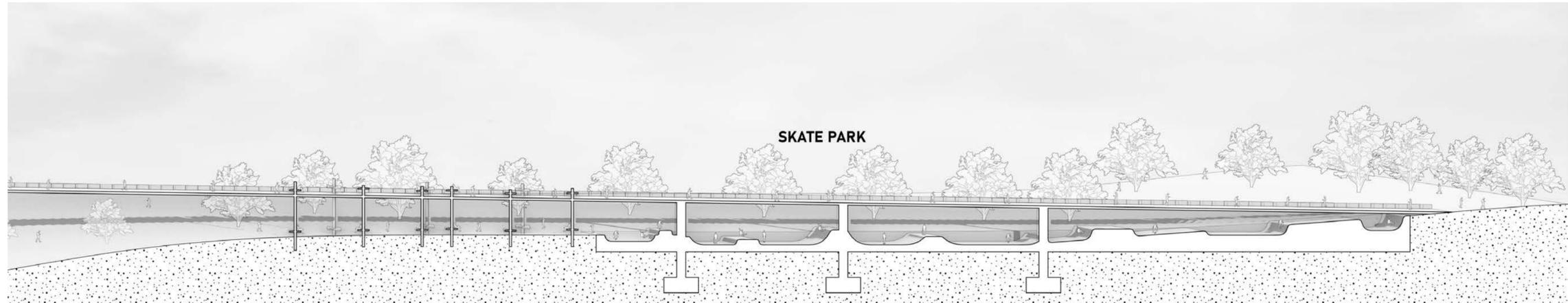
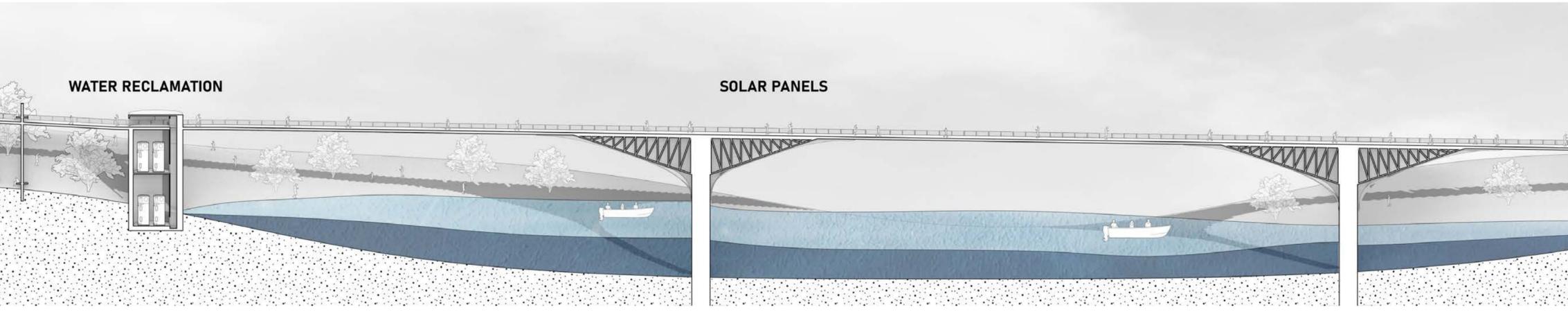
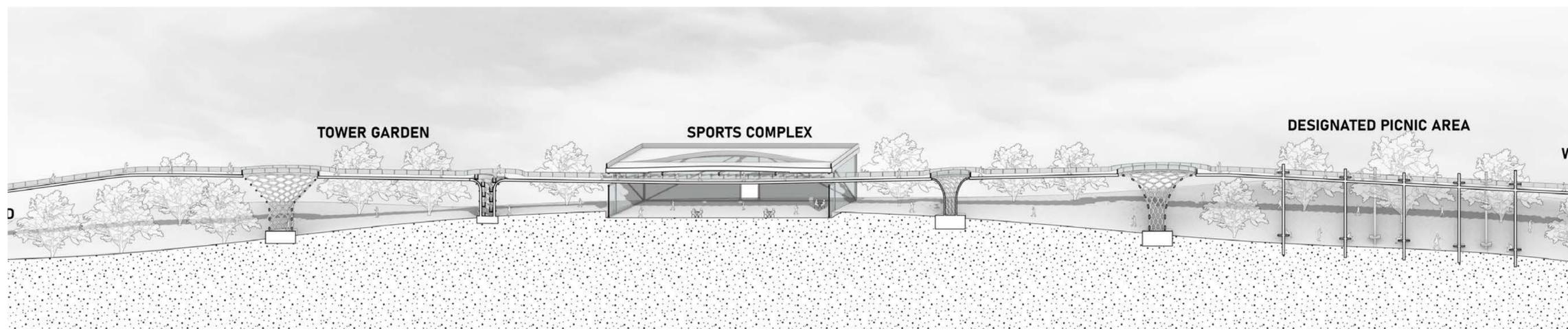
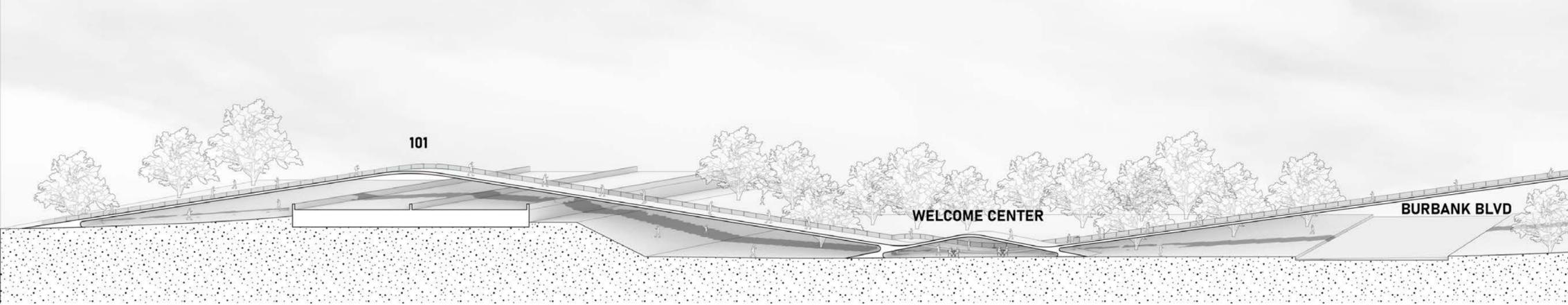
SITE PLAN: NORMAL WATER LEVEL



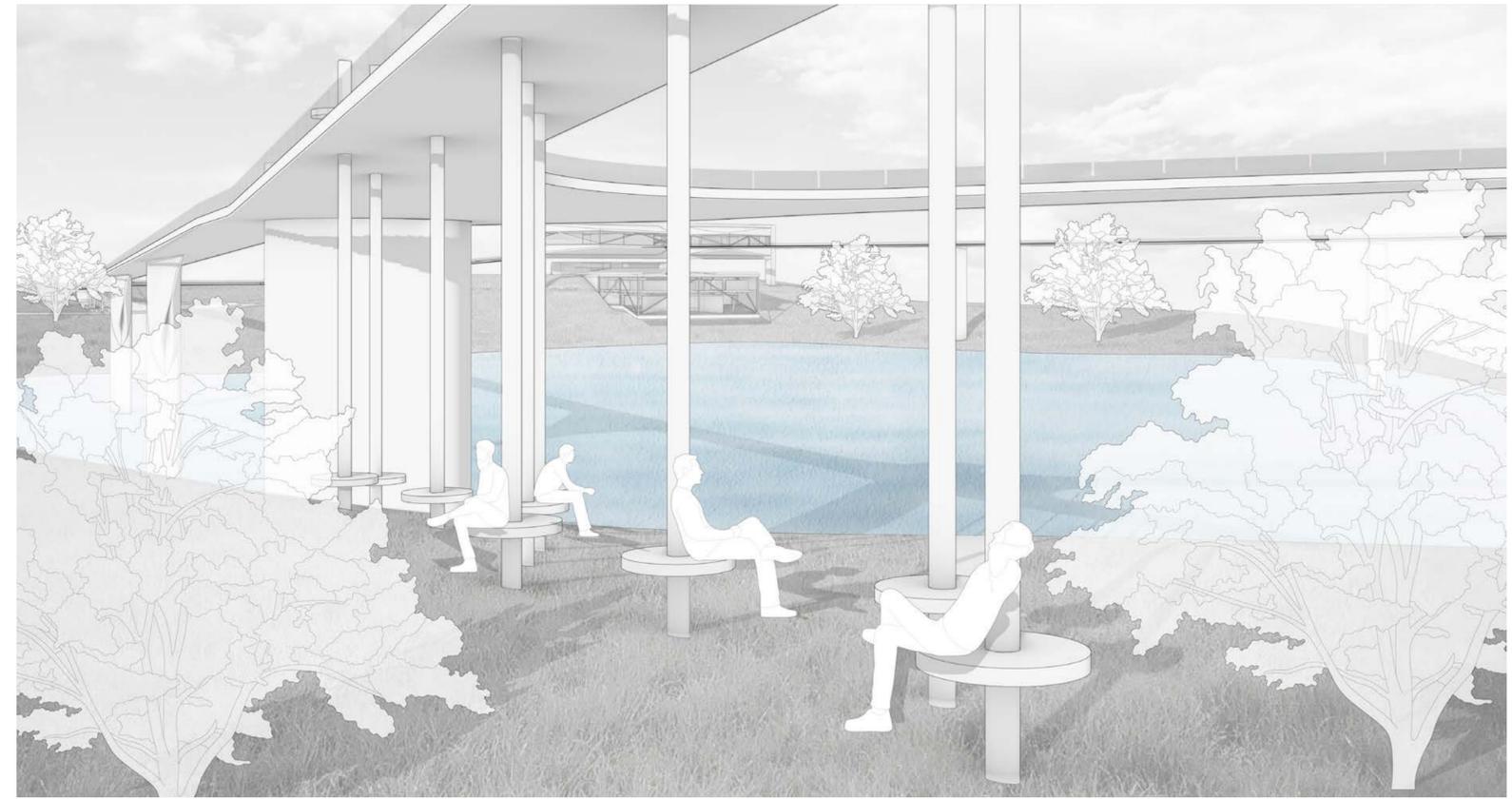
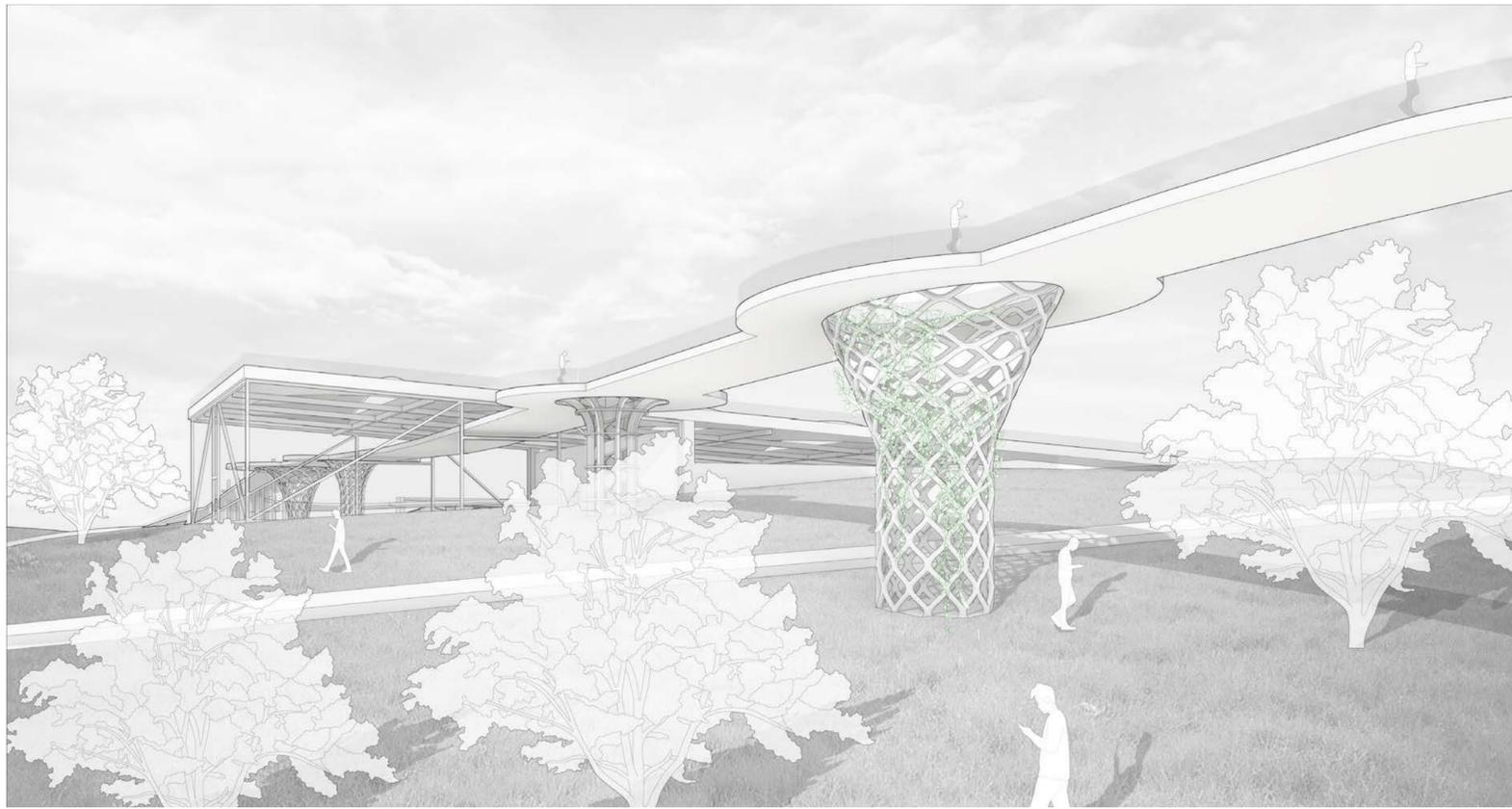
SITE PLAN: 100 YEAR FLOOD



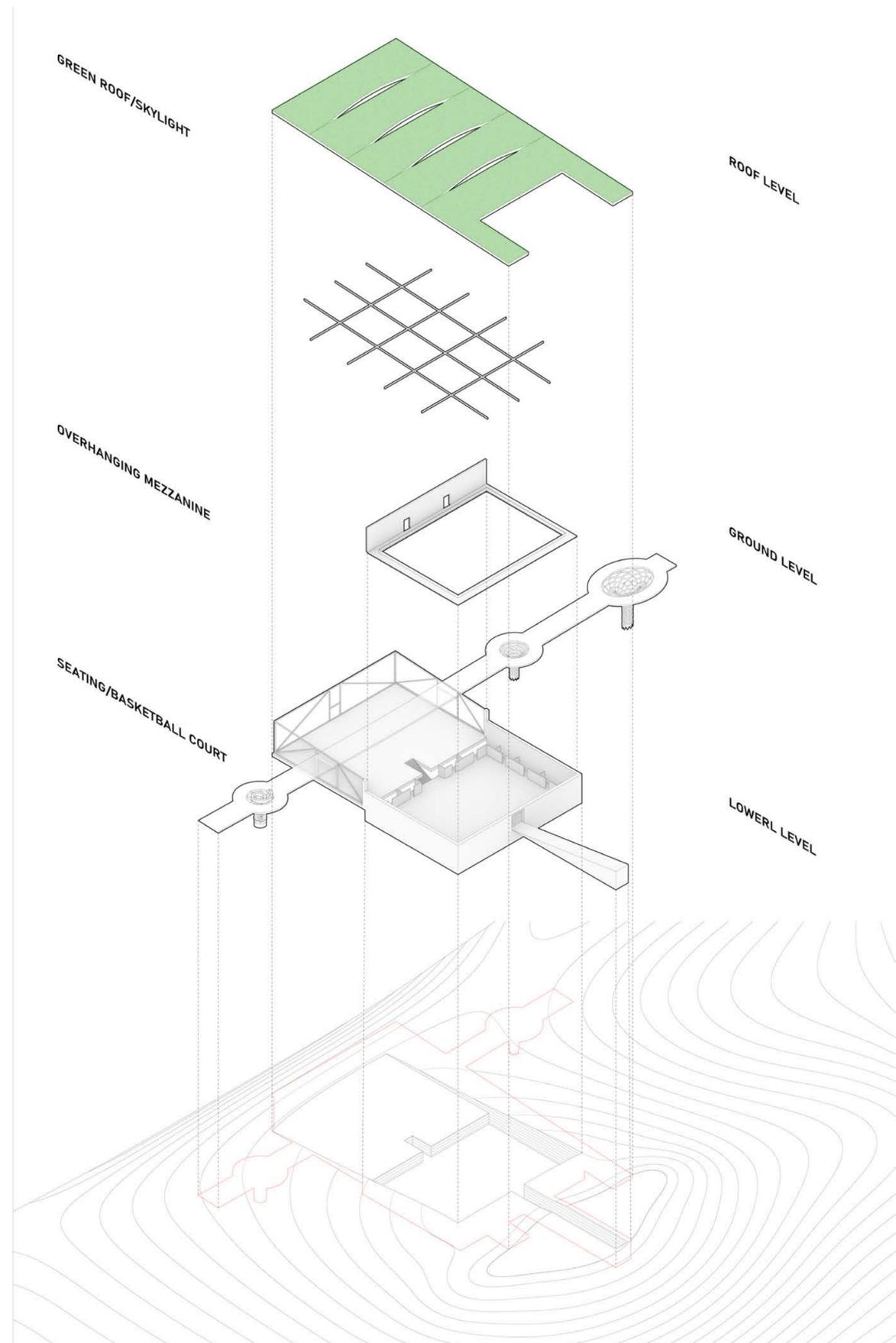
SITE STRATEGY EXPLODED DIAGRAM



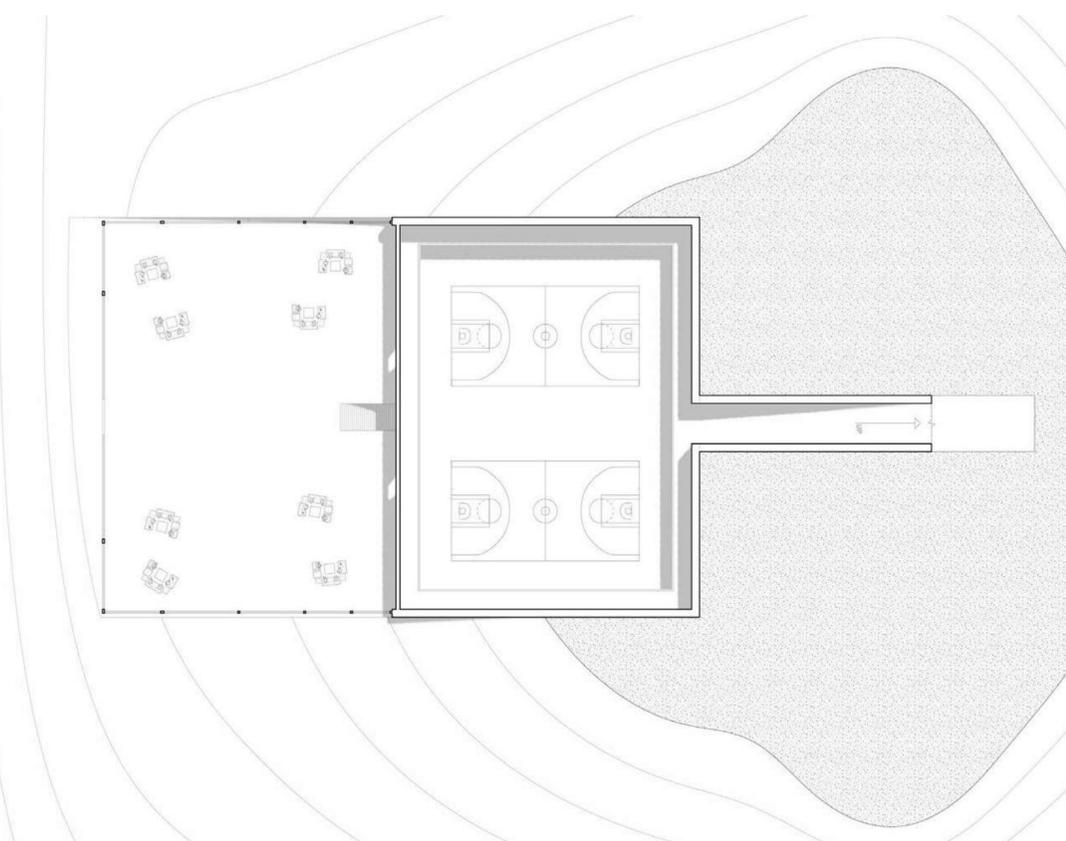
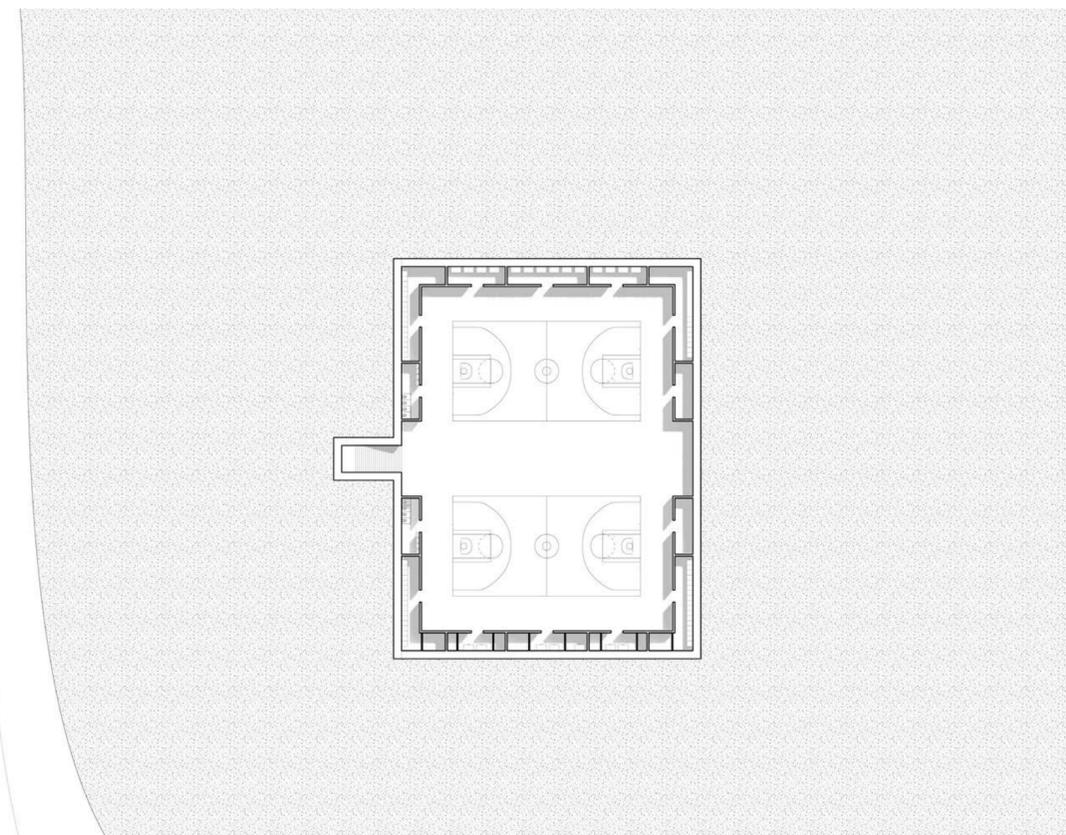
SECTION PERSPECTIVE OF ELEVATED WALKWAY



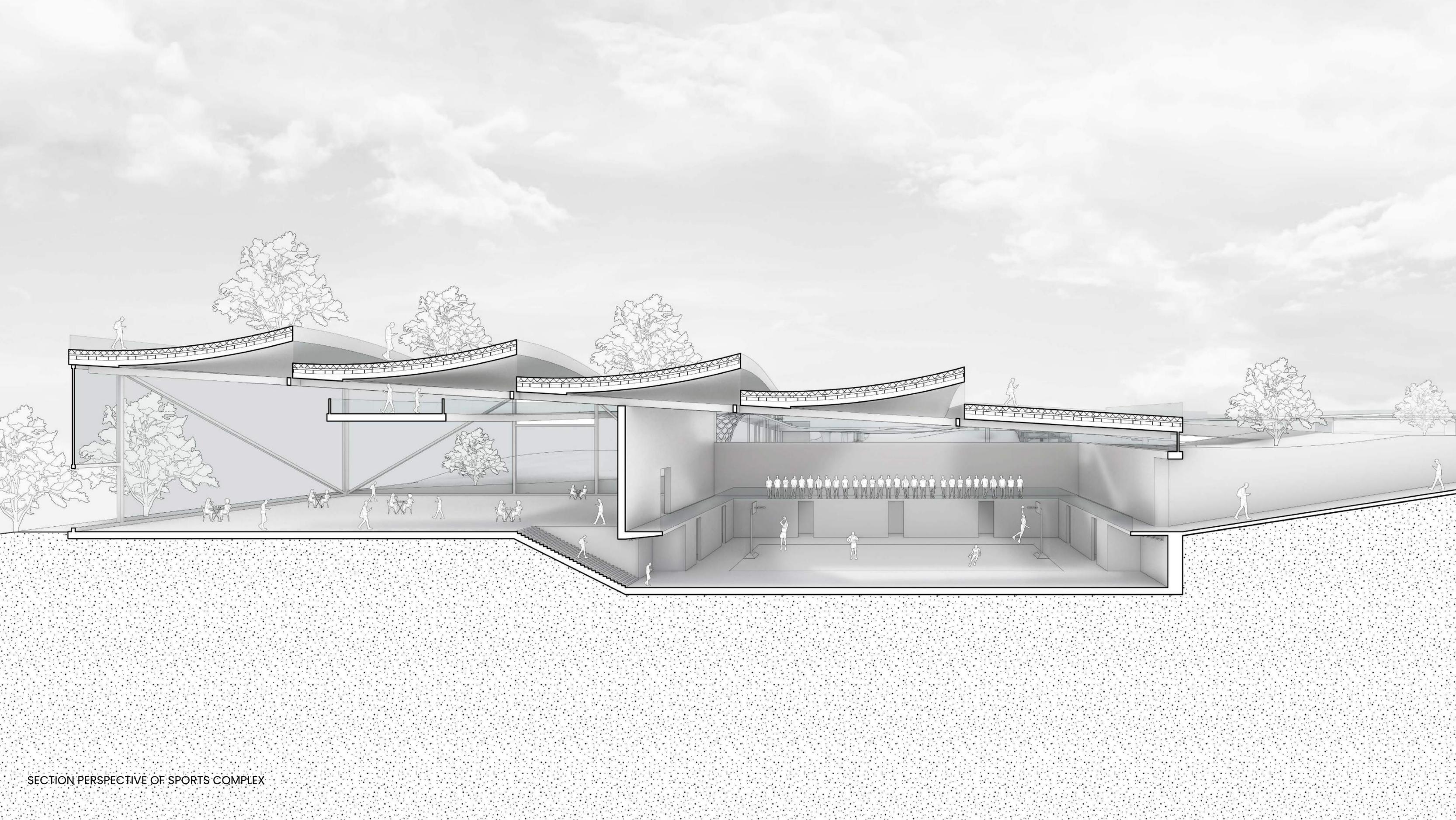
PERSPECTIVE VIEWS OF THE BRIDGE ACTIVITIES



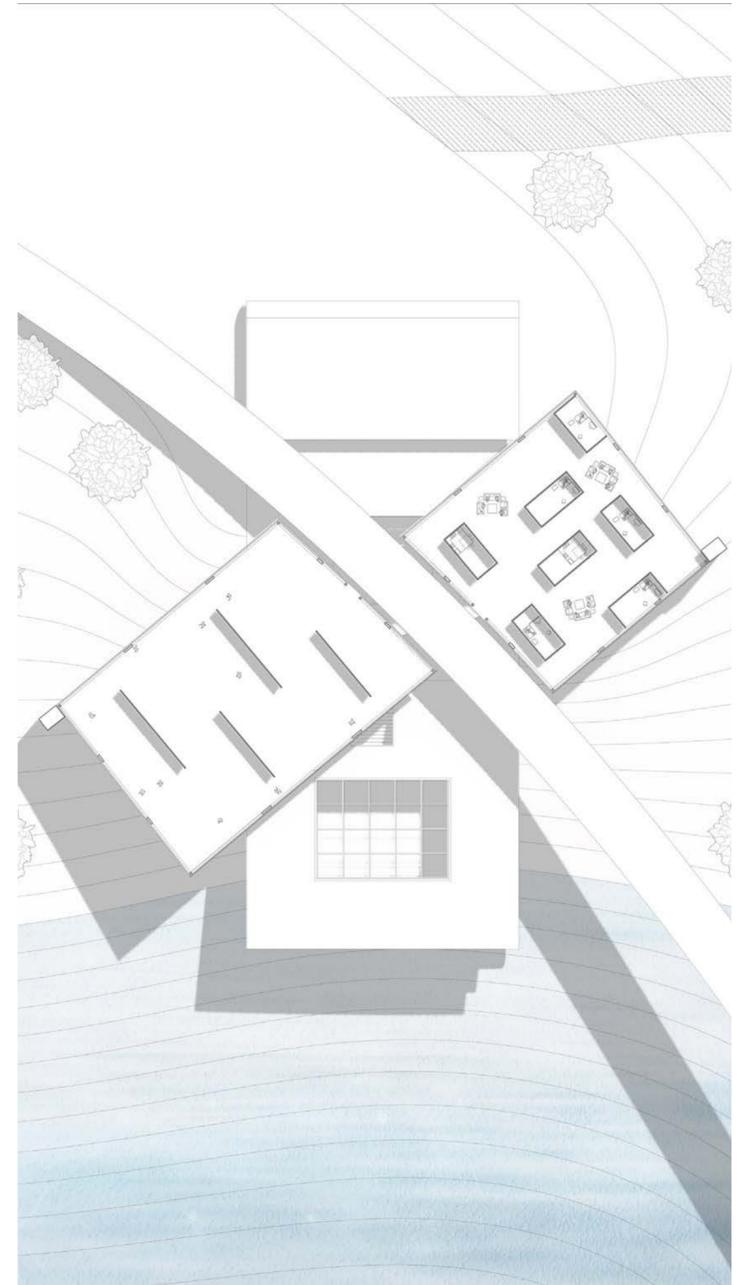
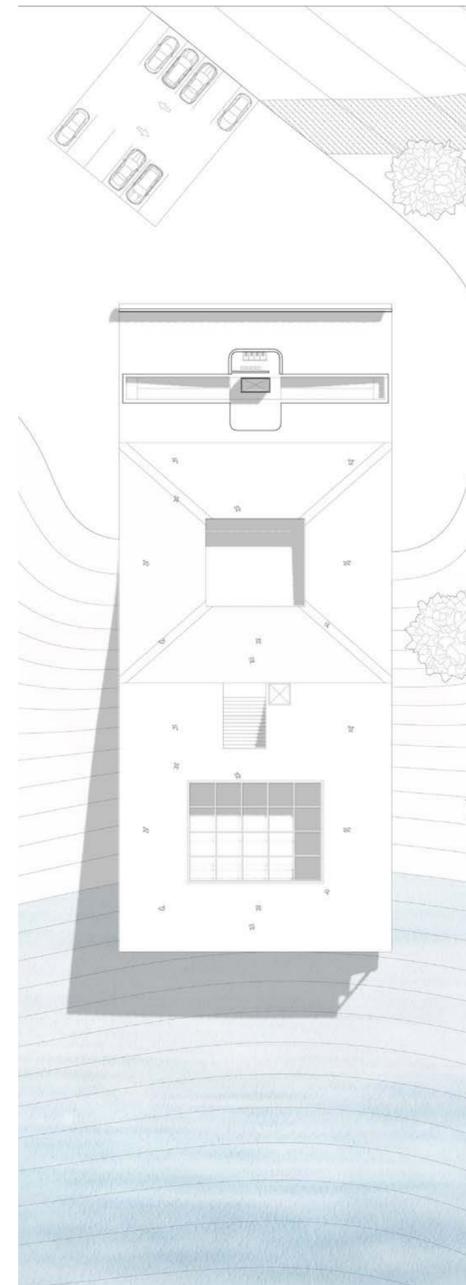
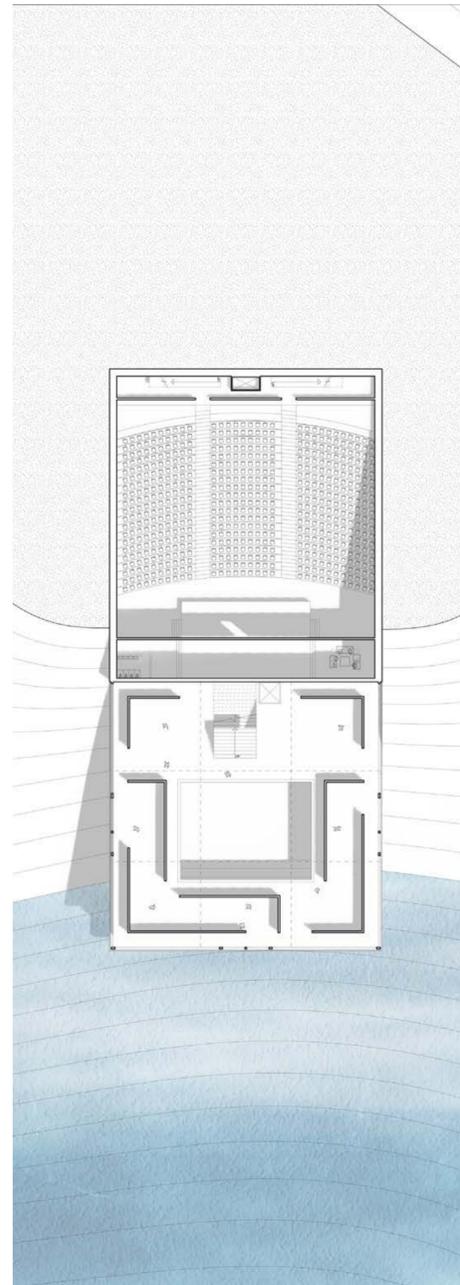
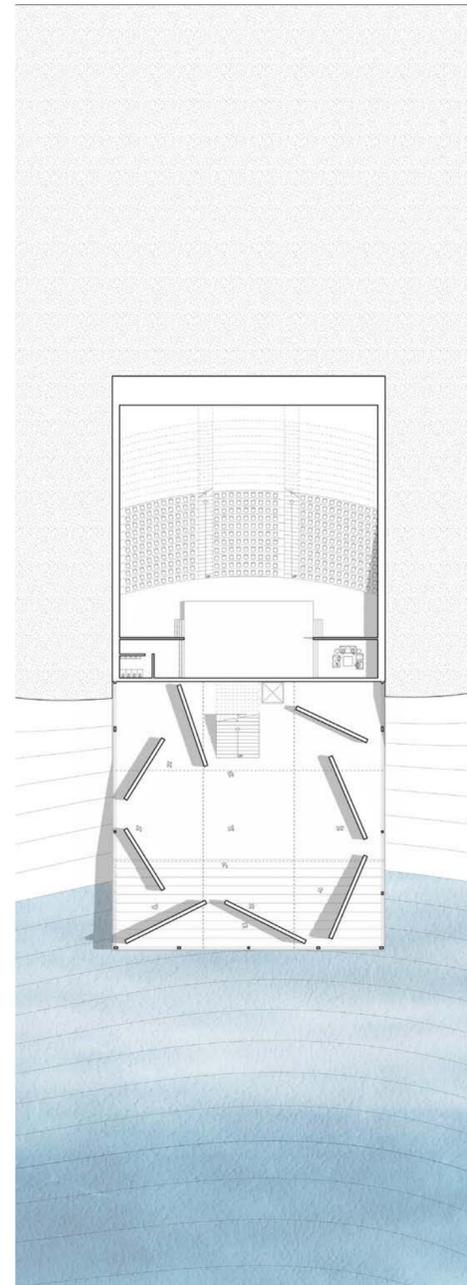
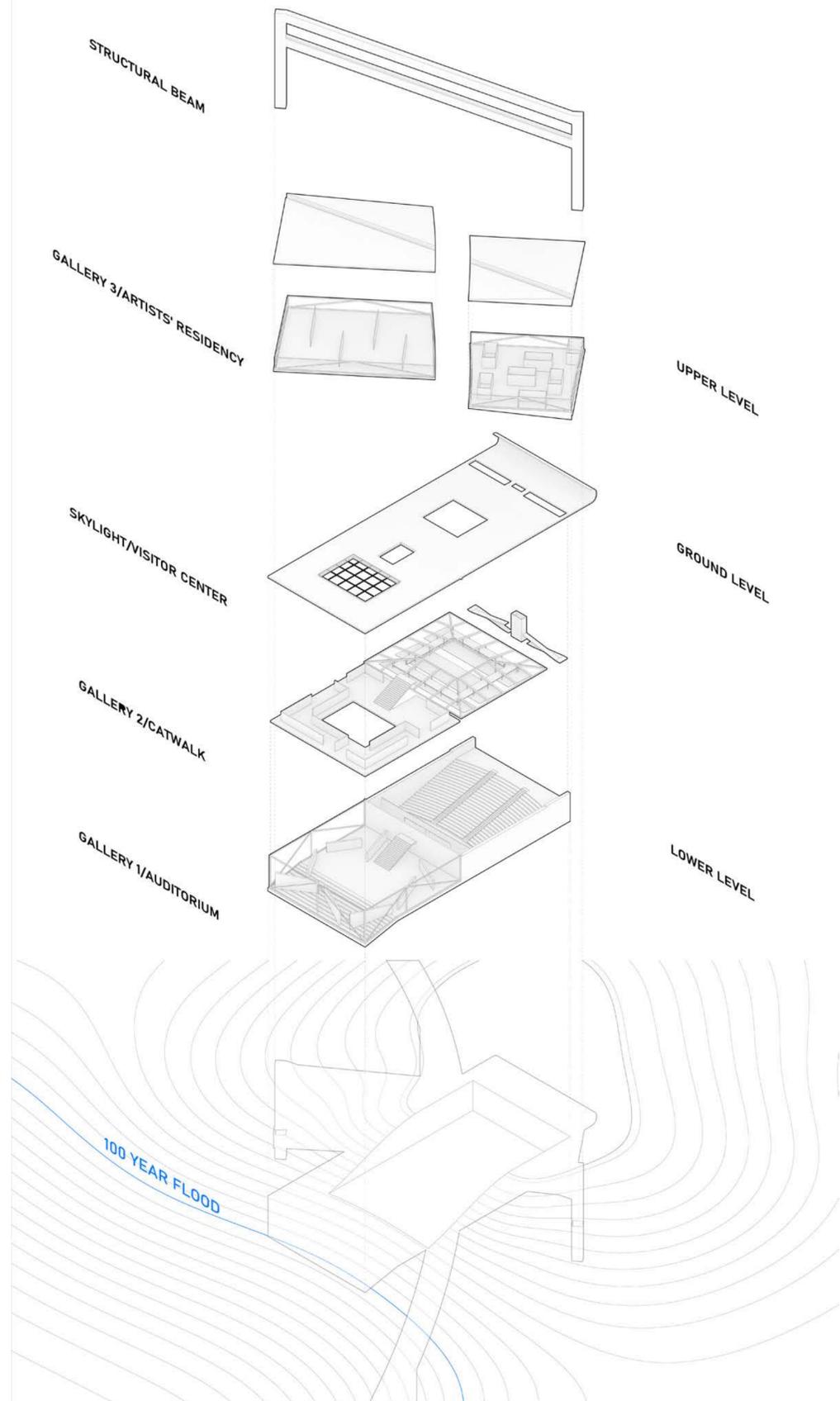
SPORTS COMPLEX DIAGRAM

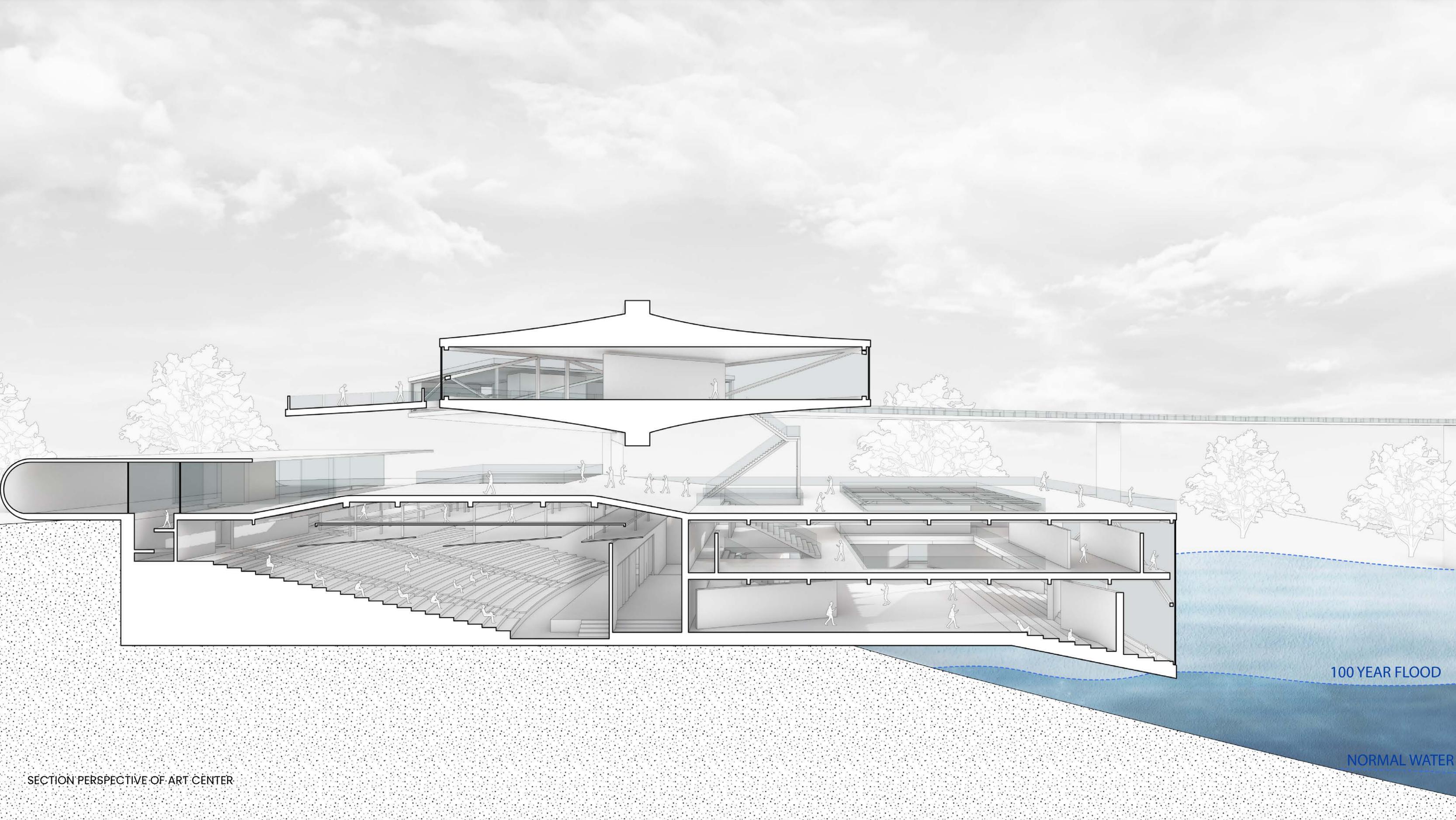


PLANS OF SPORTS COMPLEX



SECTION PERSPECTIVE OF SPORTS COMPLEX

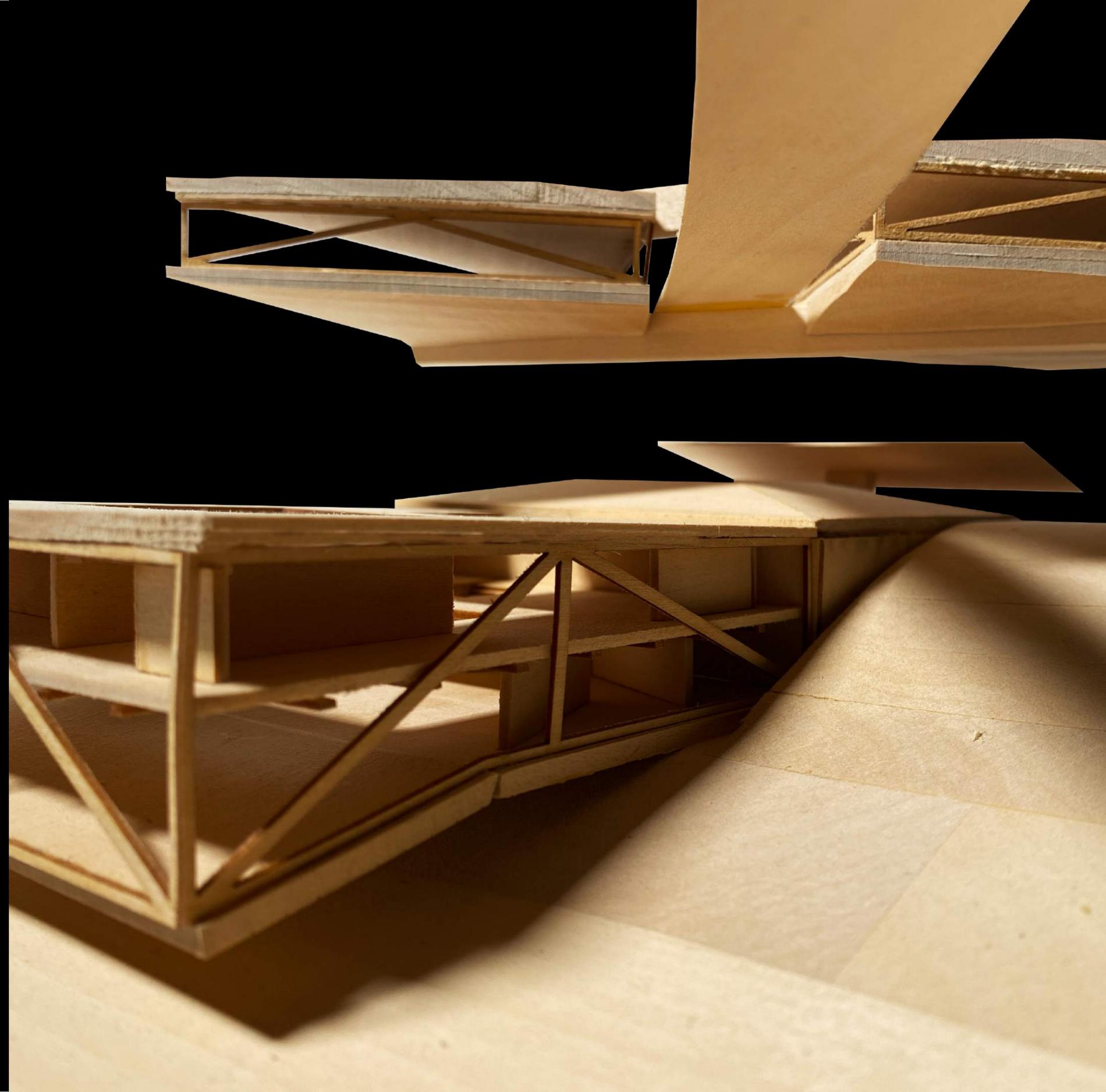


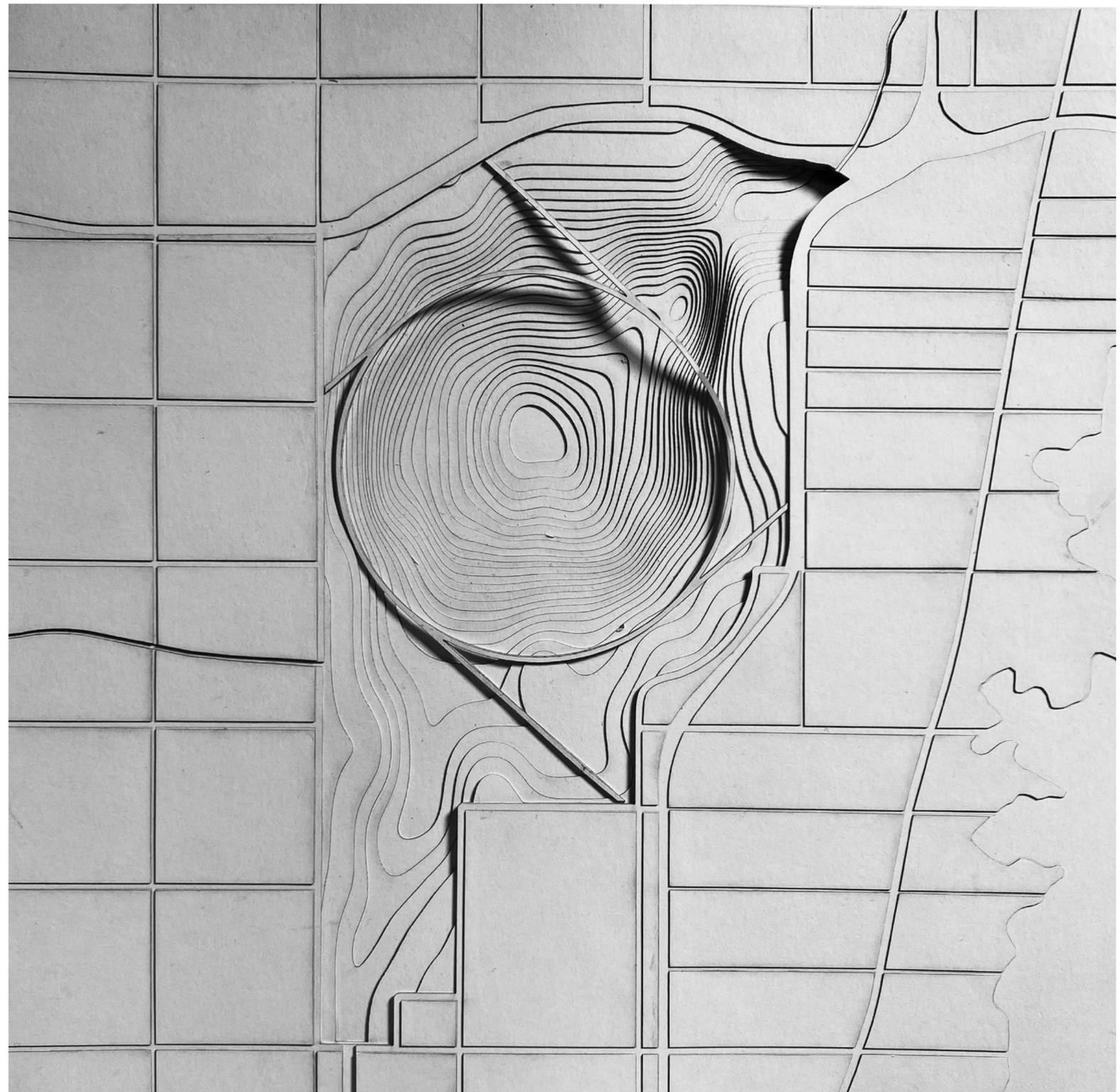
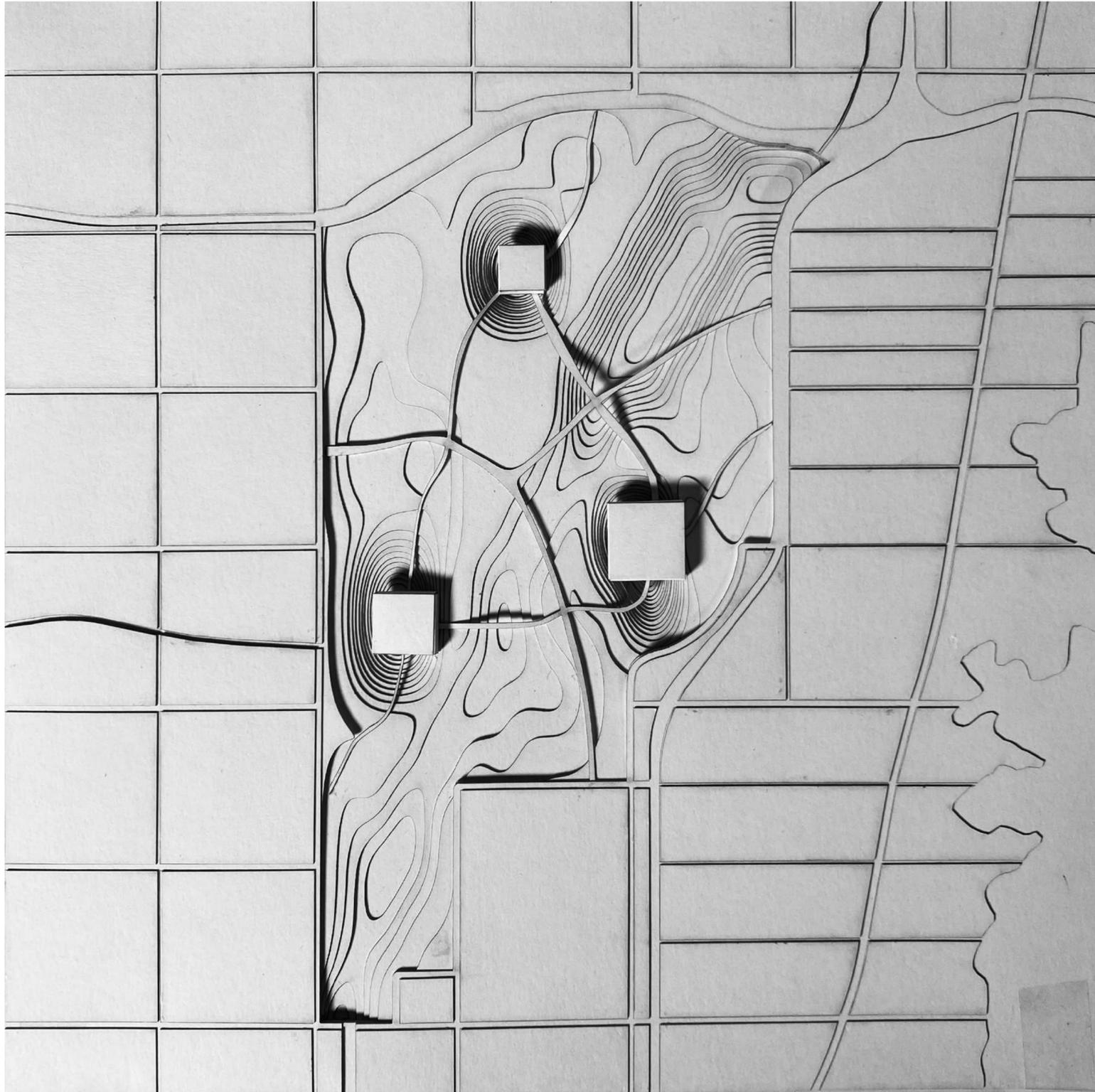


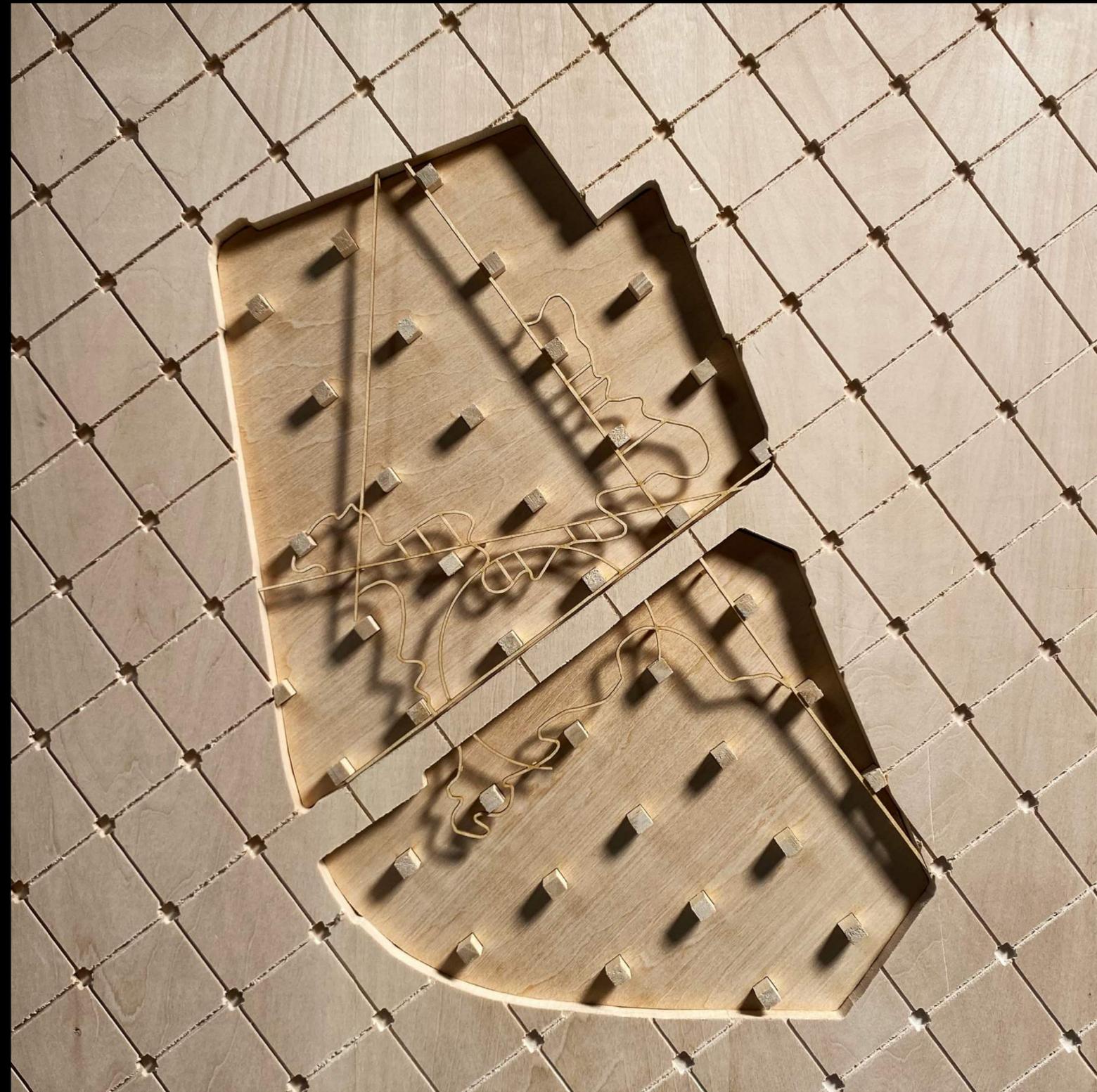
SECTION PERSPECTIVE OF ART CENTER

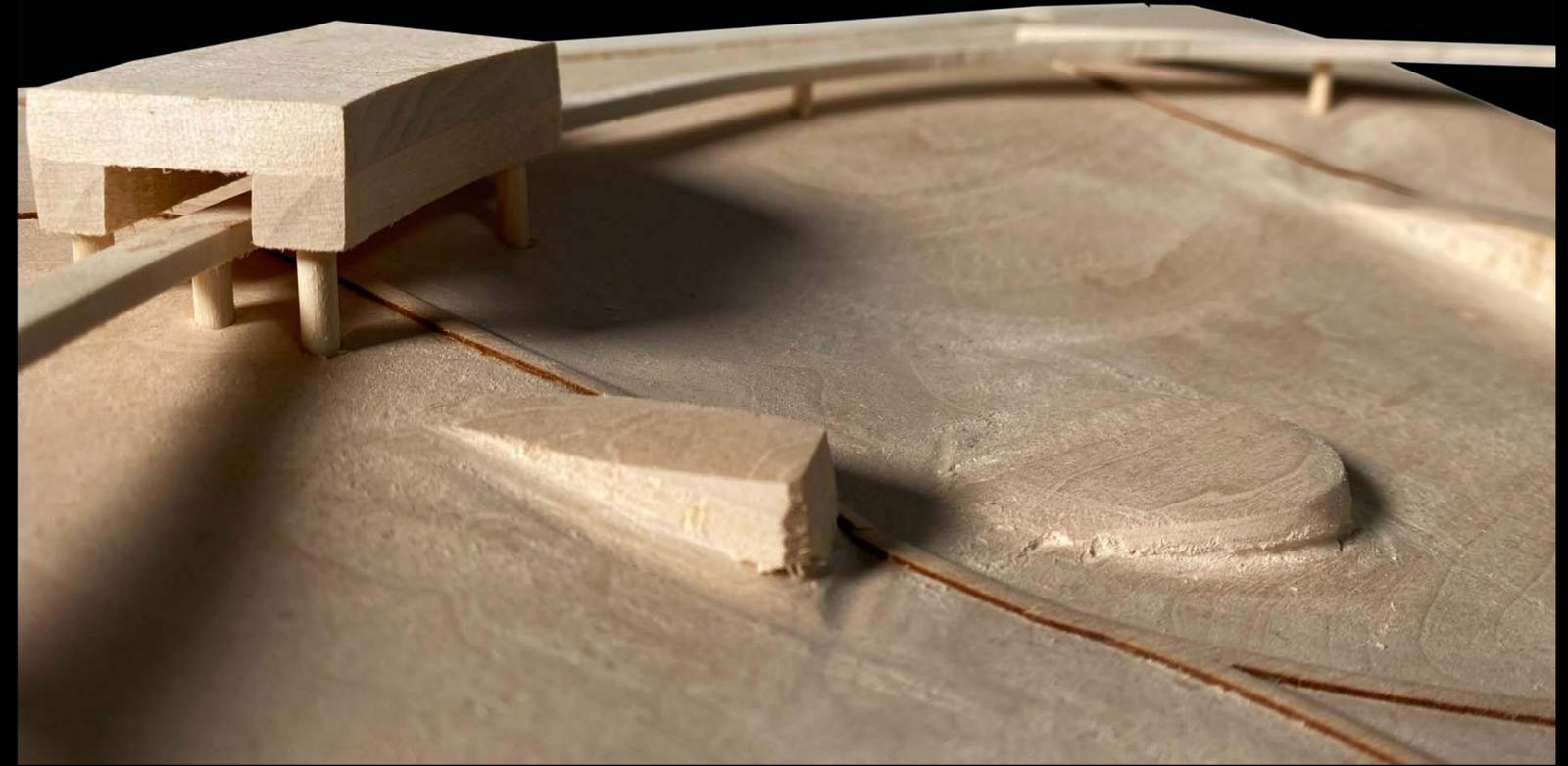
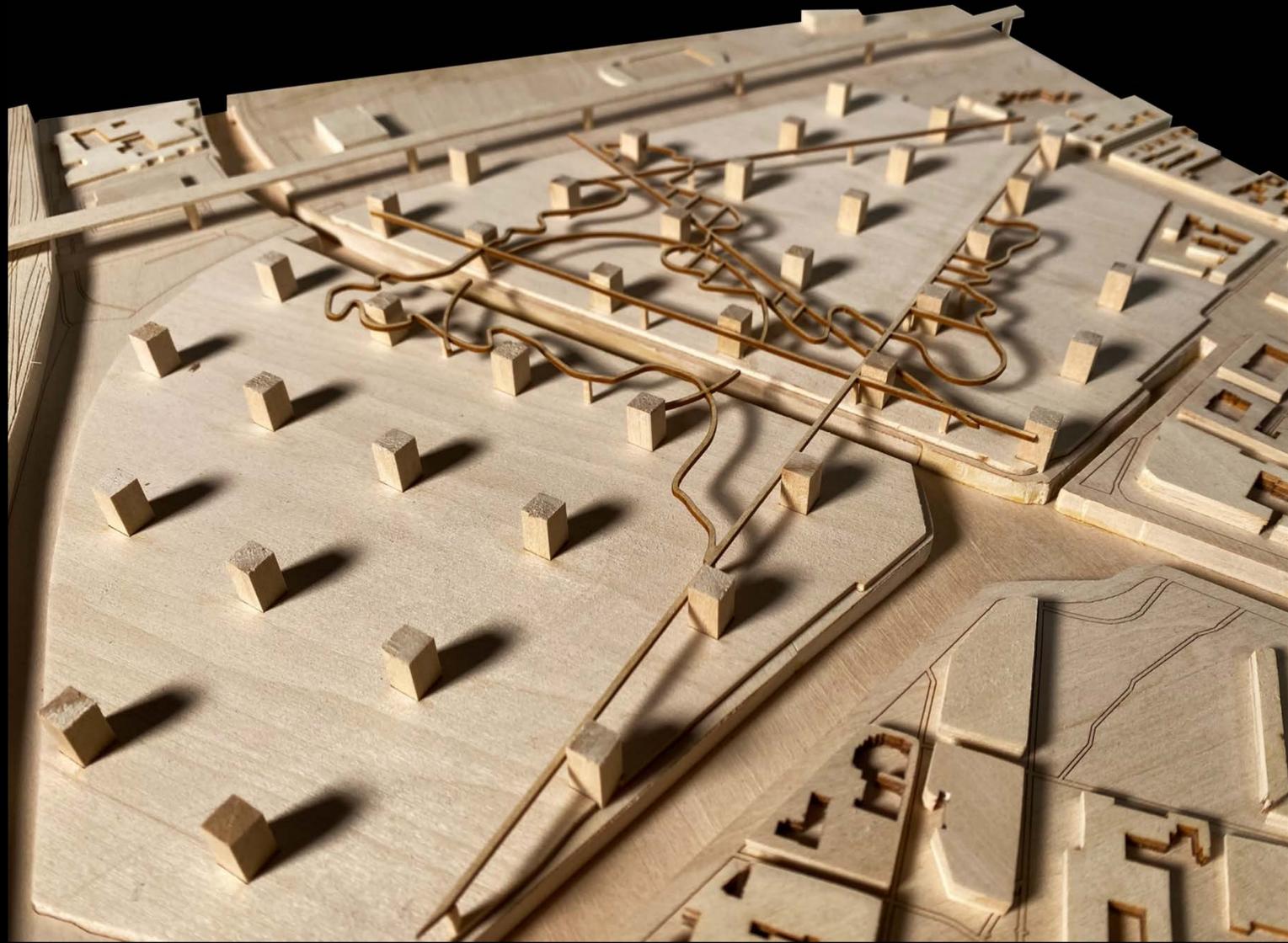
100 YEAR FLOOD

NORMAL WATER











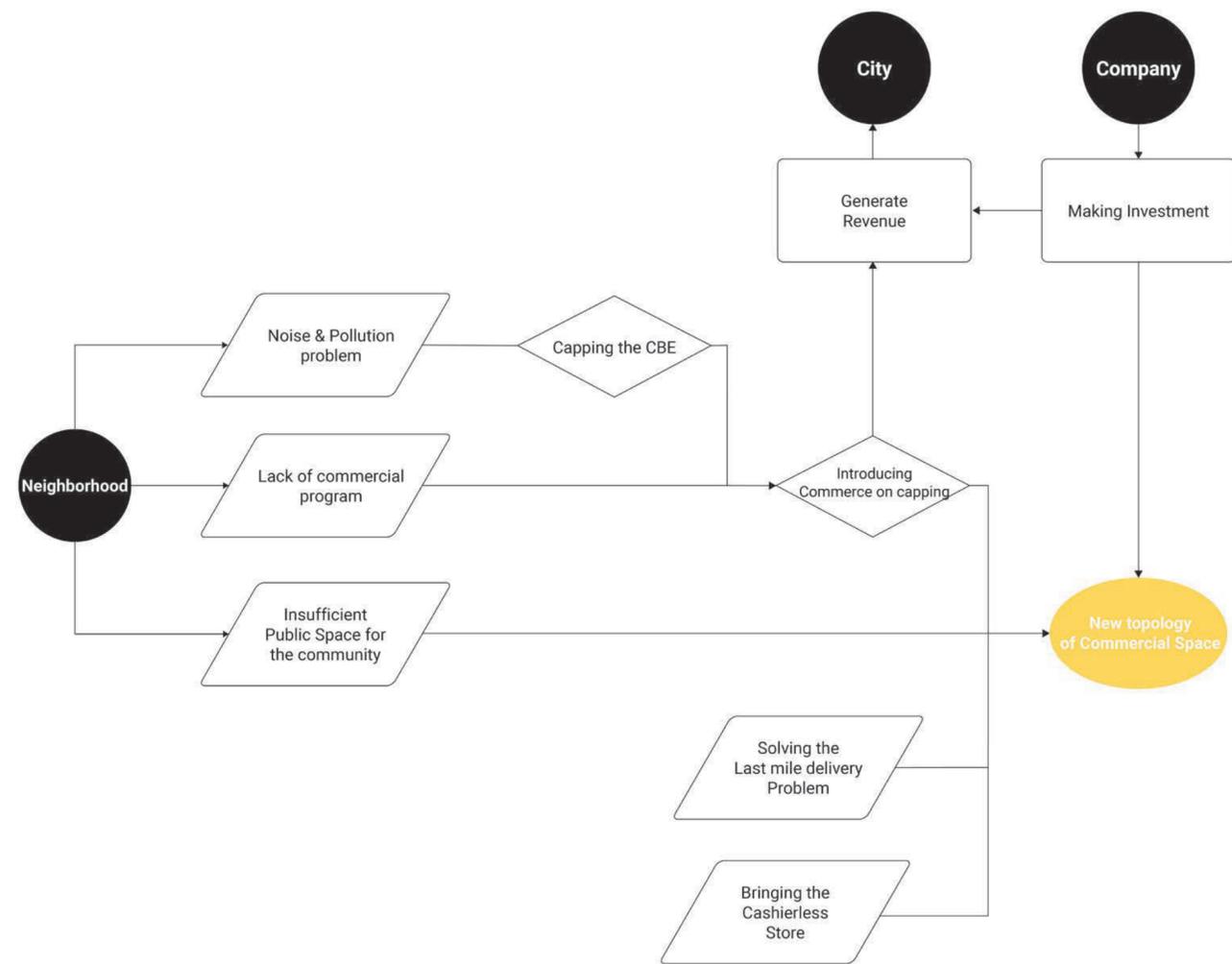
02

People, Place, Territory

Advanced Studio V Fall 2021

Michael Bell

Student Partner: Junho Lee

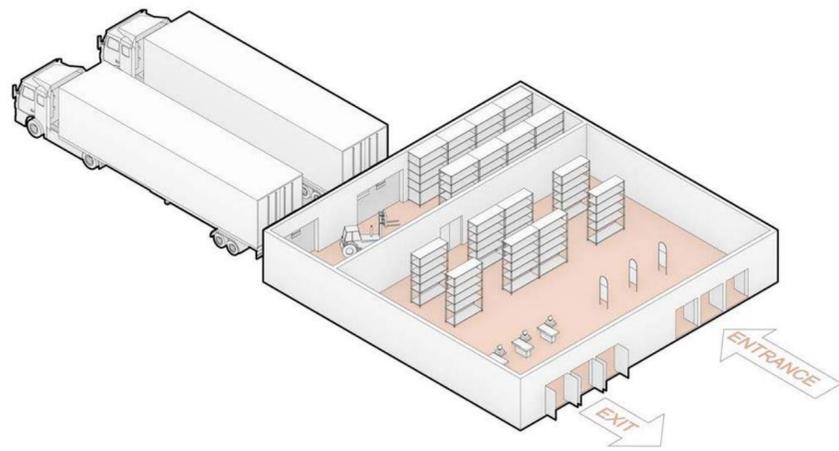


Revitalizing the public space by introducing commerce through new topologies of transportation of goods over the Cross Bronx Expressway

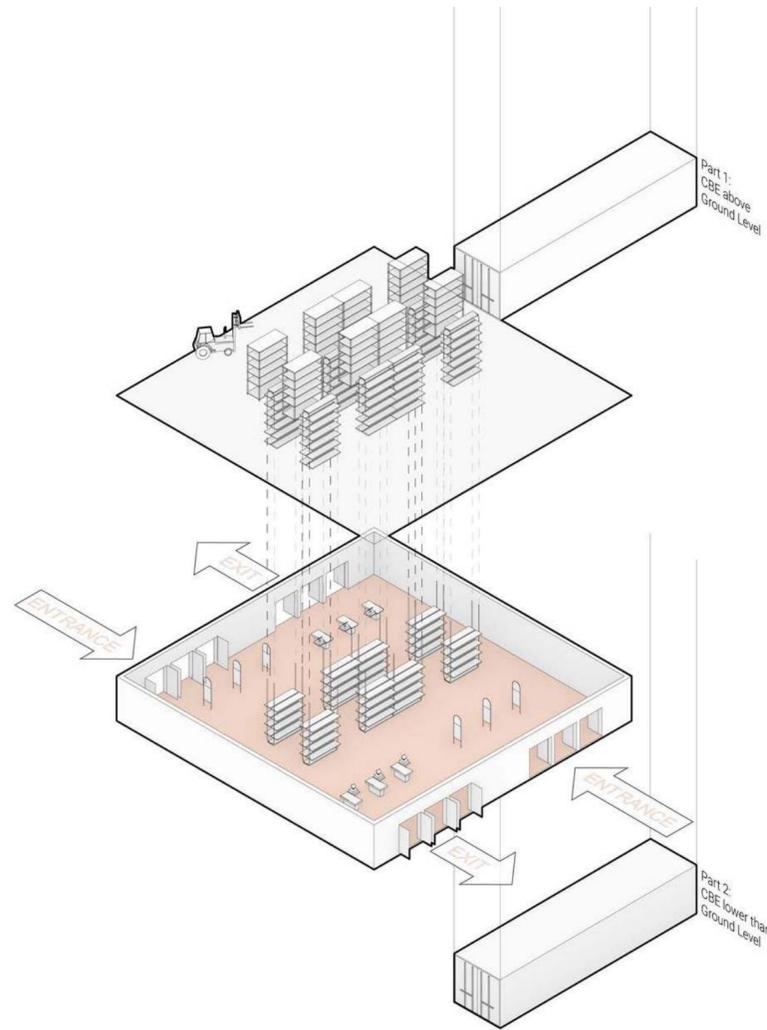
Taking advantage of the innumerable goods passing the Bronx through CBE, the design attempts to redirect the destination of part of these goods into the Bronx, over the newly capped area to revitalize the area of neighborhoods, bringing the context of Commerce into the proposal.

The purpose of the lifting mechanism is to hasten the transportation of the goods by directly lifting the cargoes from the CBE to the ground level. This effectively reduces the number of trucks using the streets on ground level for the last mile delivery which will greatly reduce the noise and air pollution of the neighborhoods of the Bronx. The lifting mechanism will be operated using water energy which is collected on the roofs of the proposal across the length of the expressway.

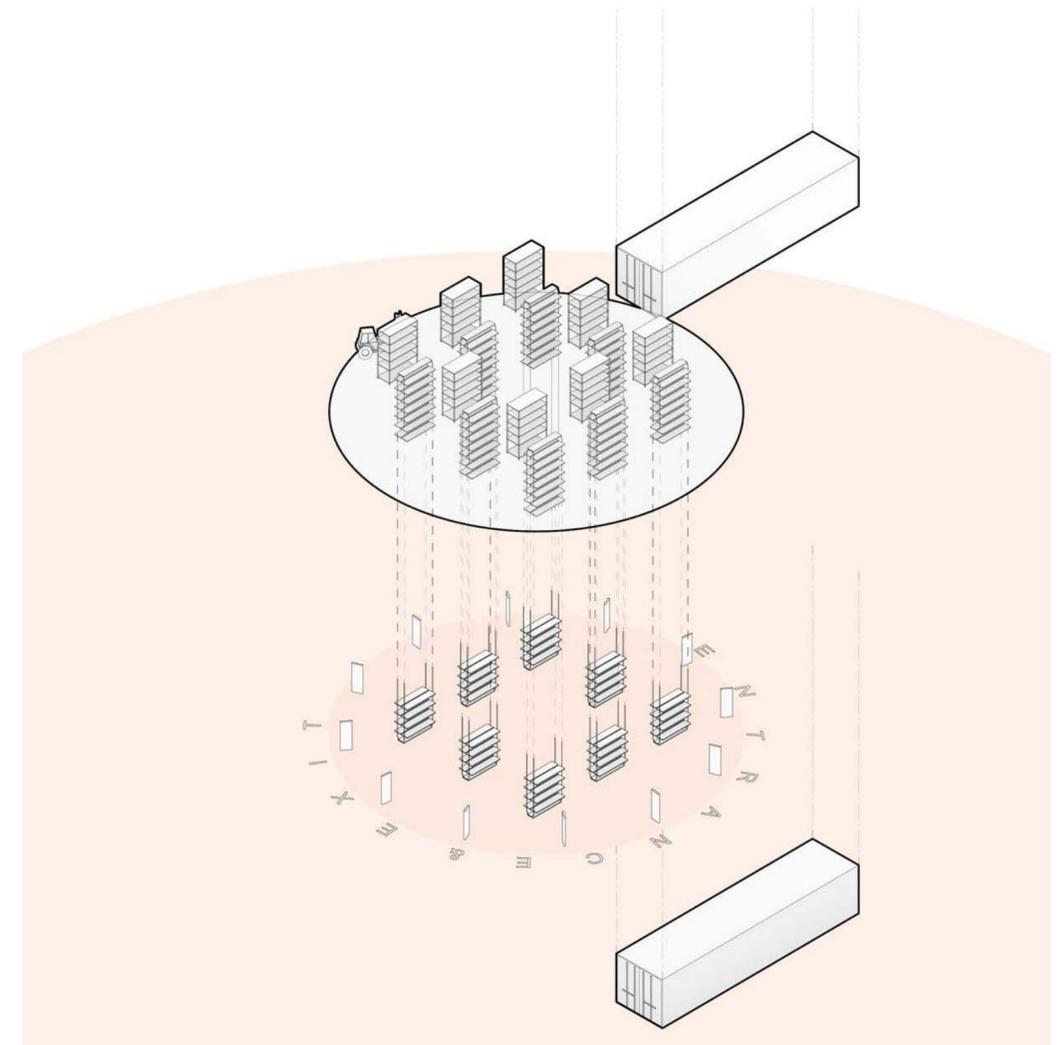
In our proposal, the transaction of goods will take the form of a cashier-less store which means that the purchases of goods will be solely dependent on the act of a person picking up an item in the space and leaving the space with the item at the end of the trip.



INITIAL BACKSTAGE GOODS DROPOFF

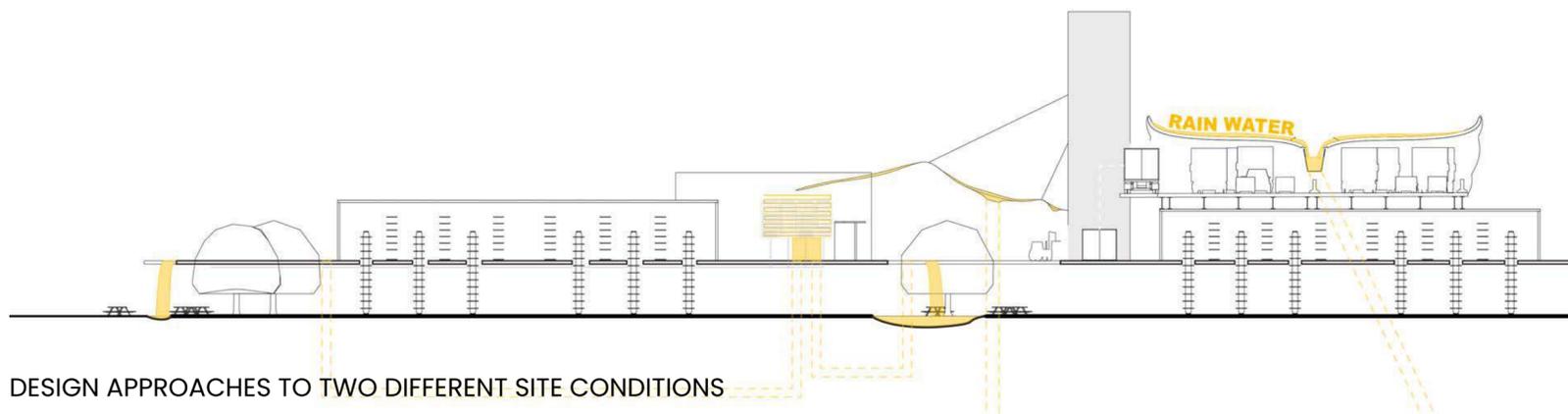
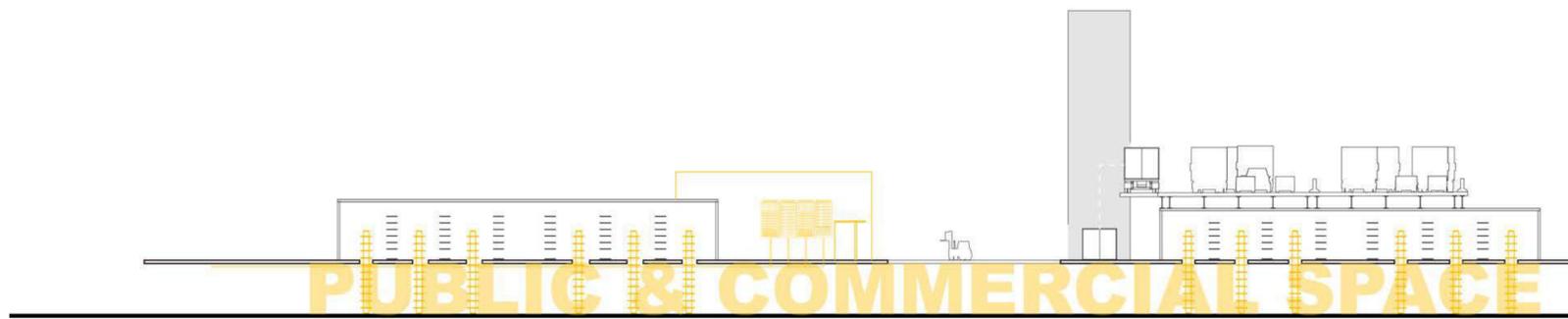
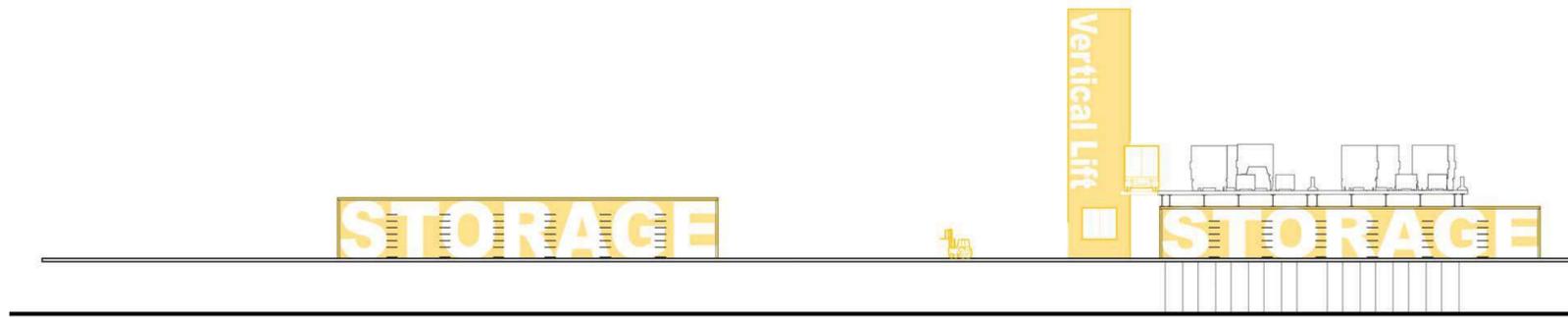
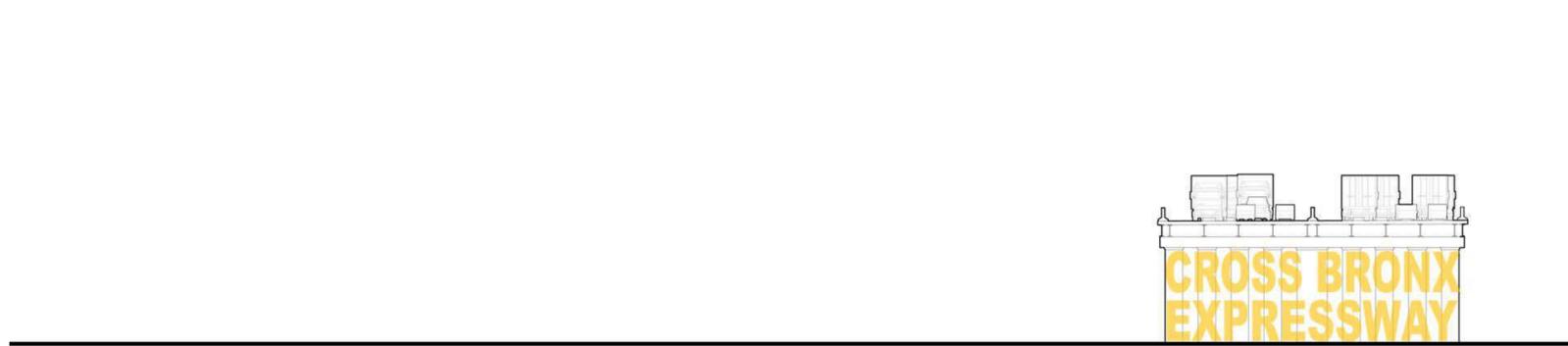


CBE STORAGE CONTAINERS DROP OFF FROM BELOW AND ABOVE

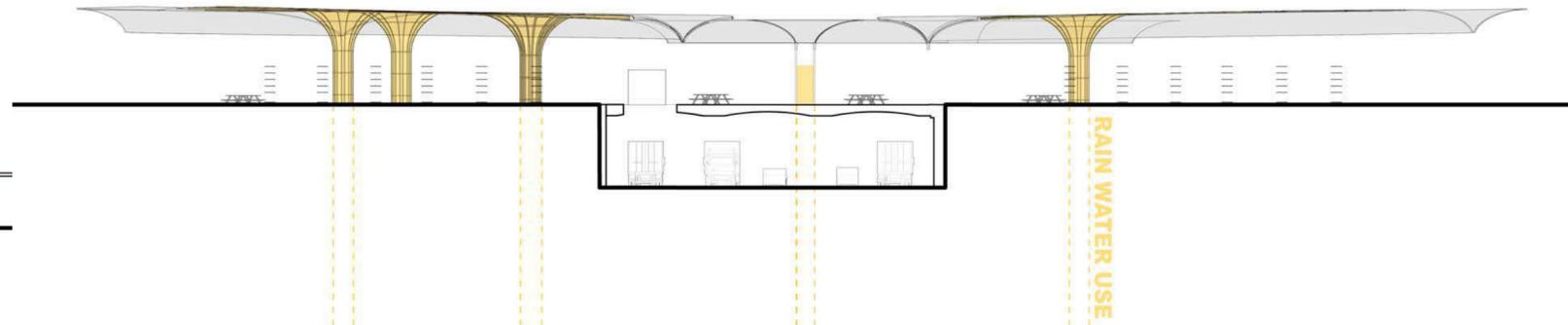
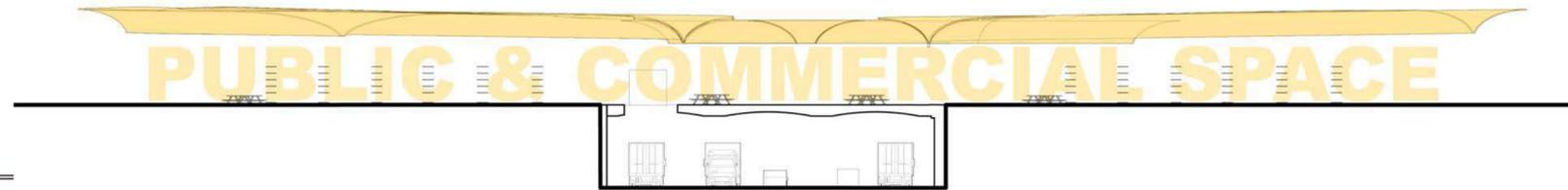
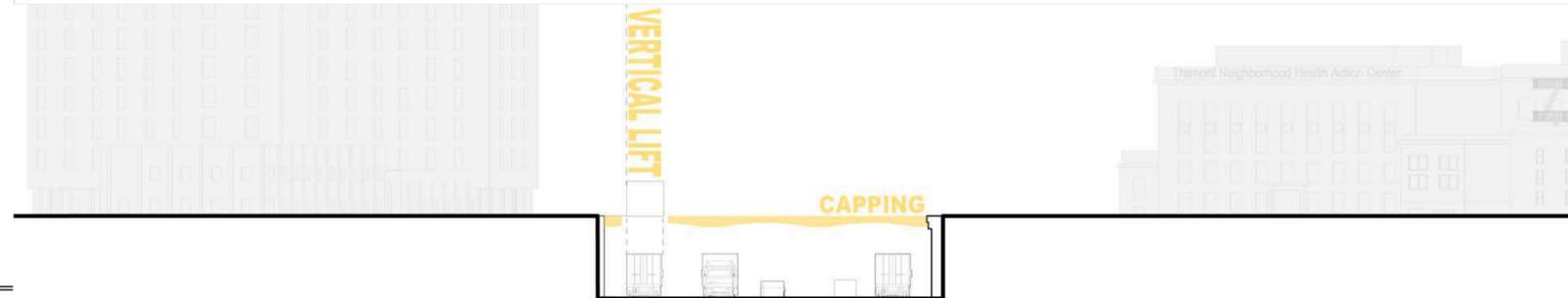


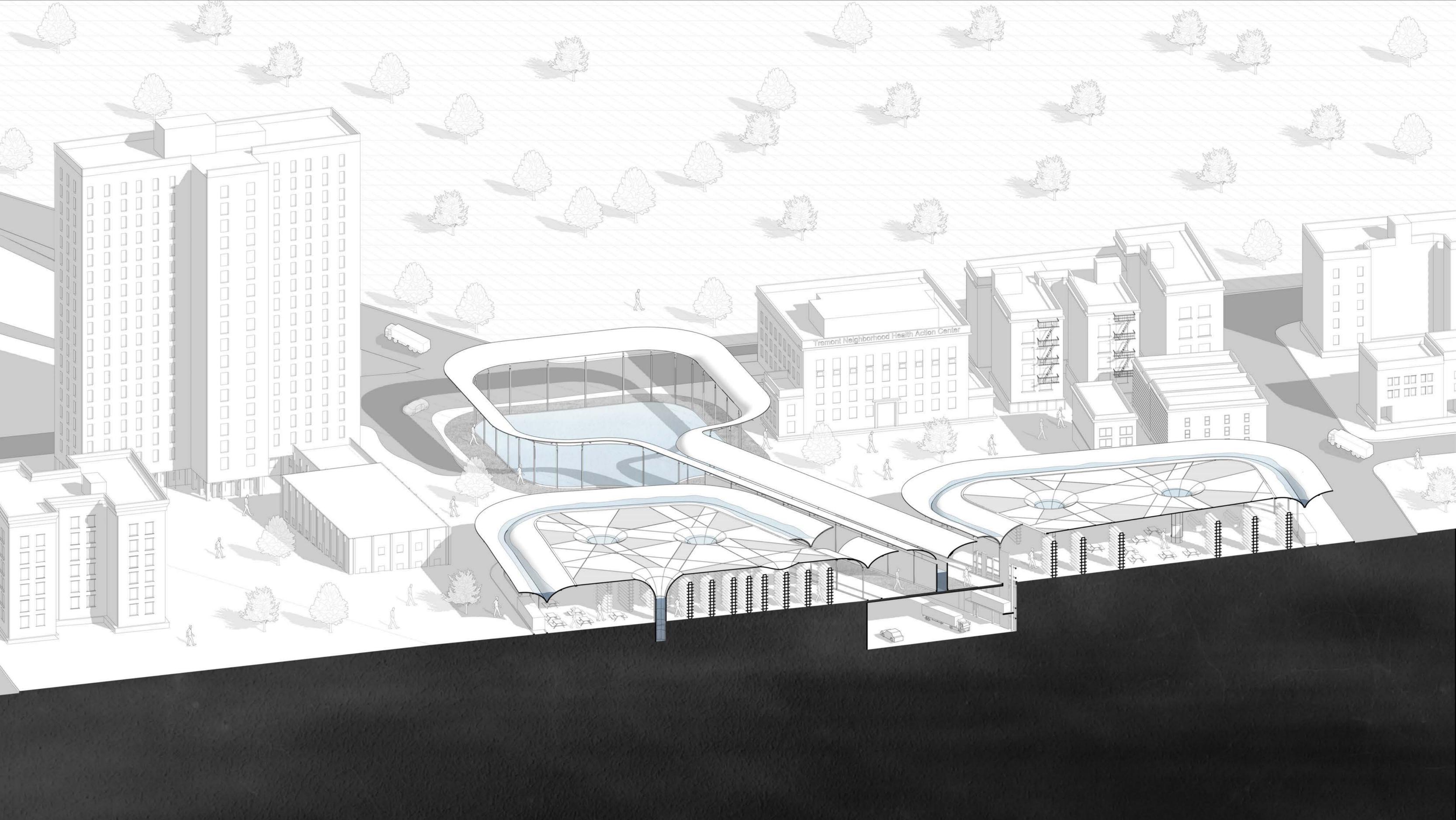
EFFICIENT CHANGE OF GOODS THROUGHOUT THE STORE

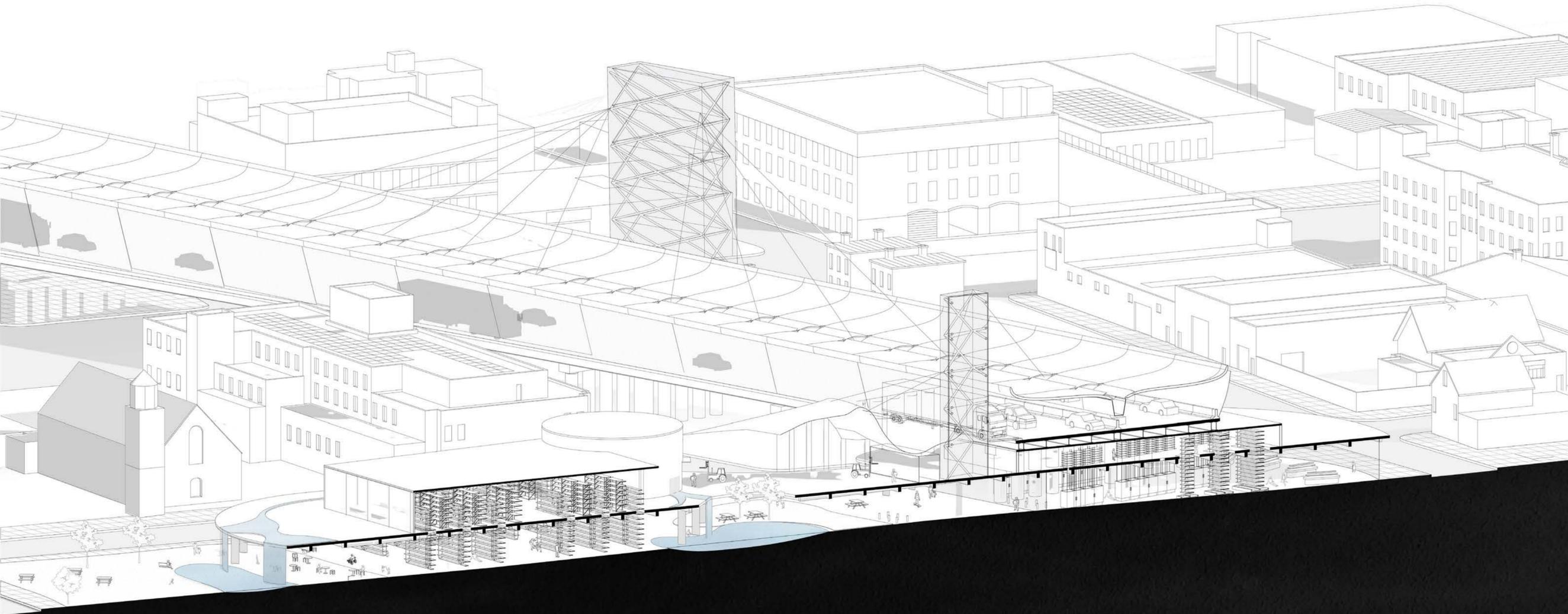




DESIGN APPROACHES TO TWO DIFFERENT SITE CONDITIONS



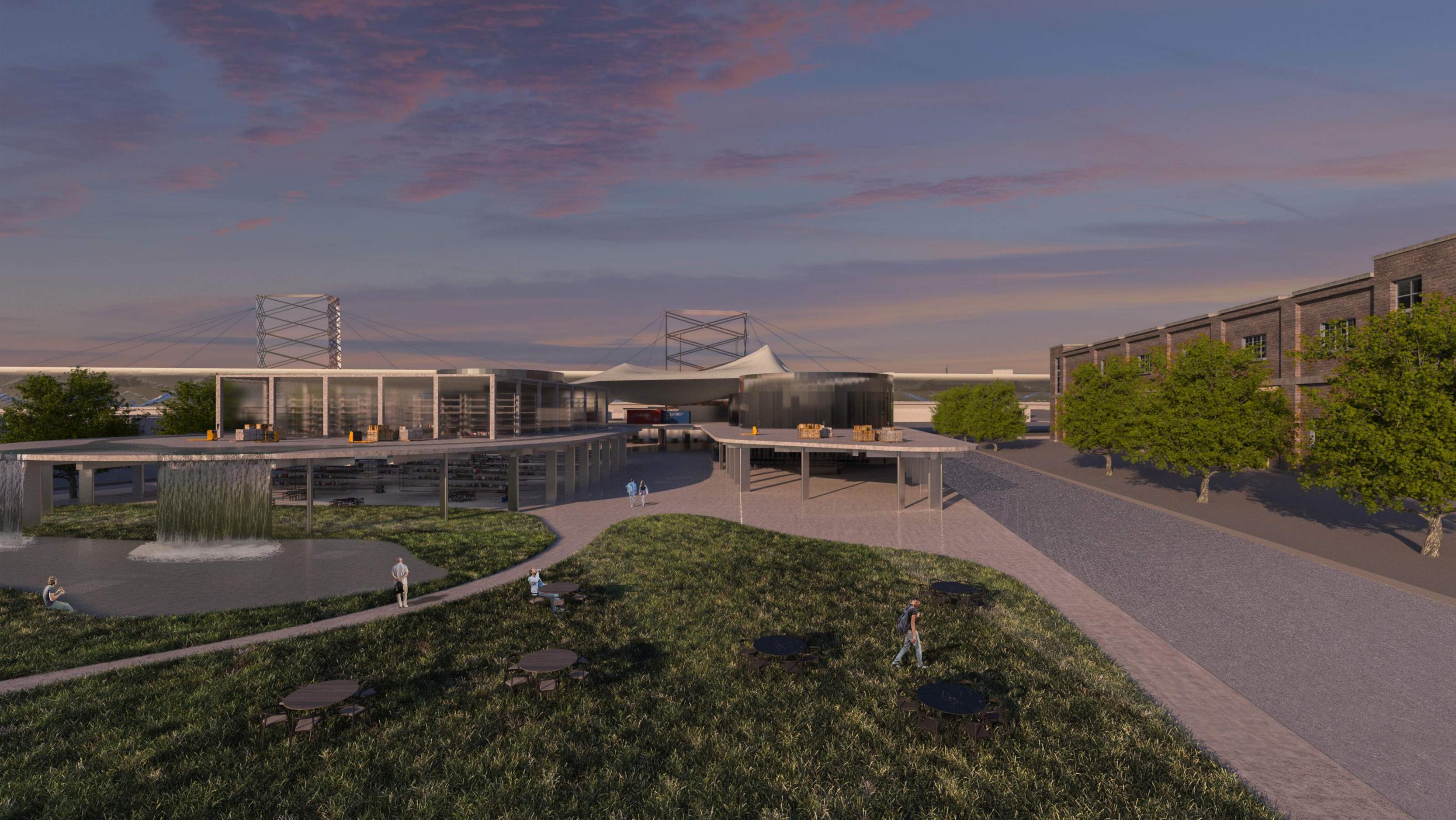




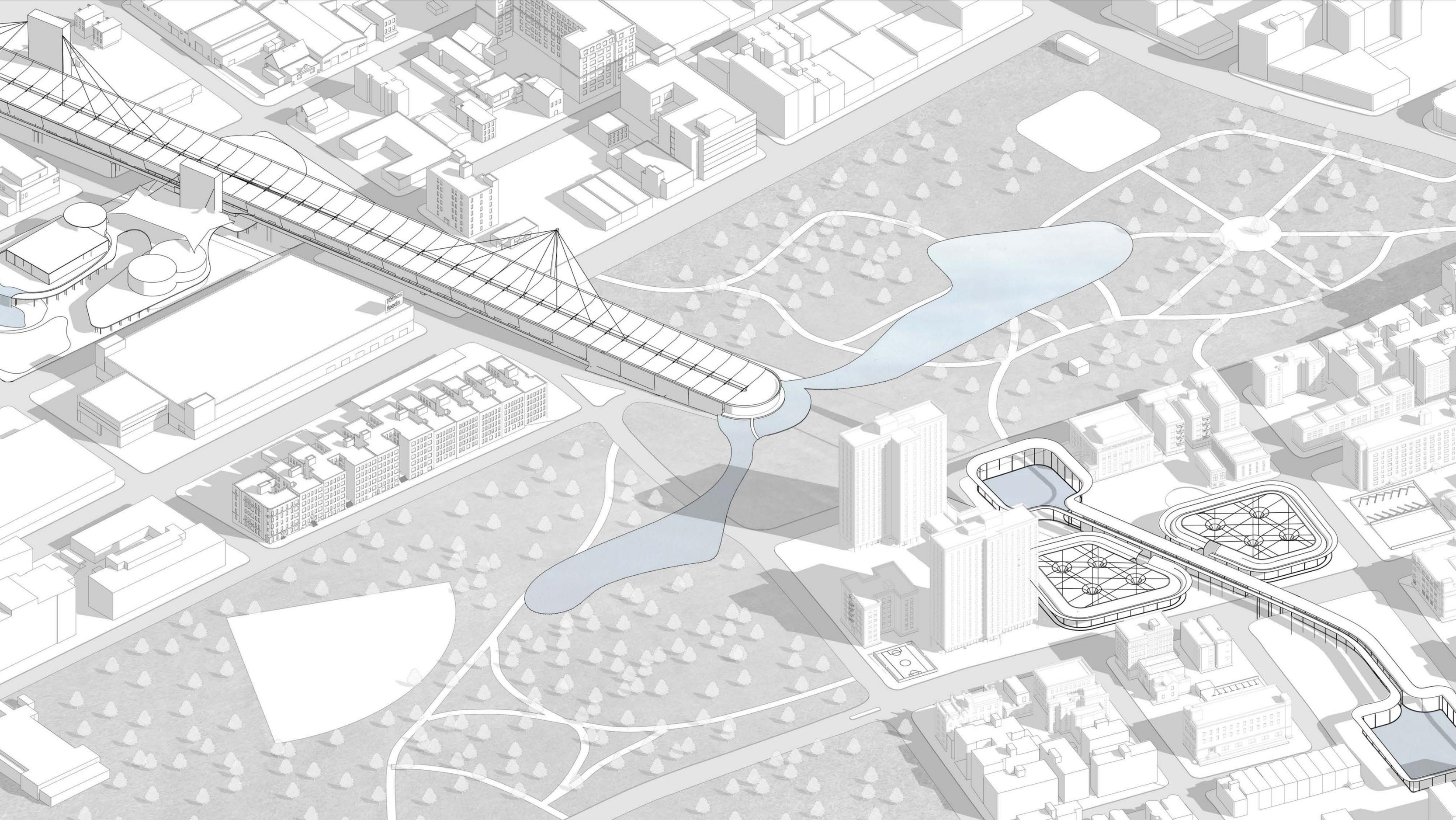
Cross Bronx Expressway also serves as one of the main transportation routes for trucks carrying goods into and out of the city. This everyday phenomenon is the very cause of the air pollution in the Bronx.

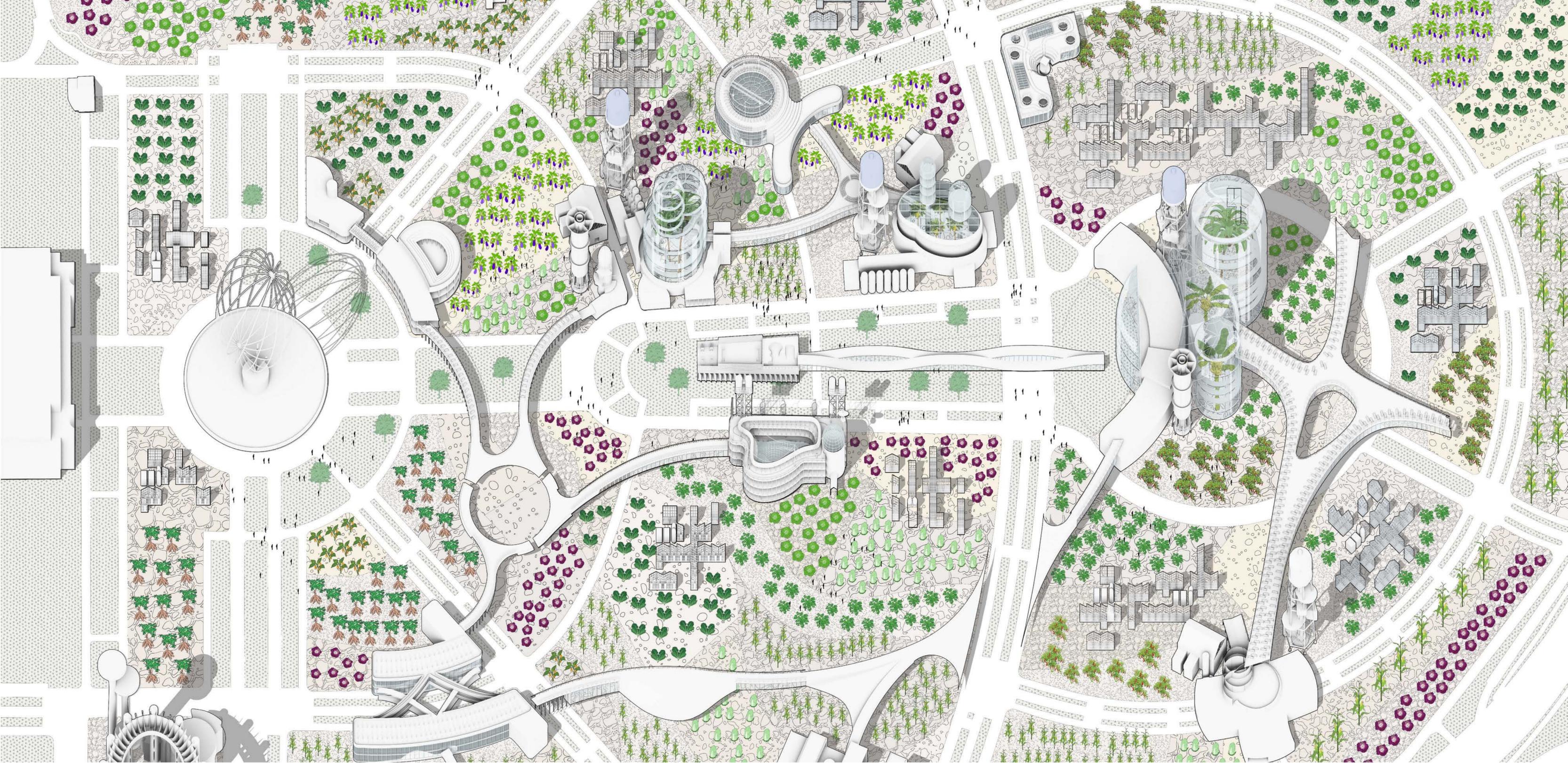
The introduction of cashier less technology allows for both public and private spaces to co-exist over the capped area. Furthermore, the usage of the public spaces can be morphed into specificity depending on the contextual adjacency of the new commerce spaces.











03

Artifact: Past and Present

Summer Entangled Studio Summer 2021
David Eugin Moon
Student Partner Renee Gao

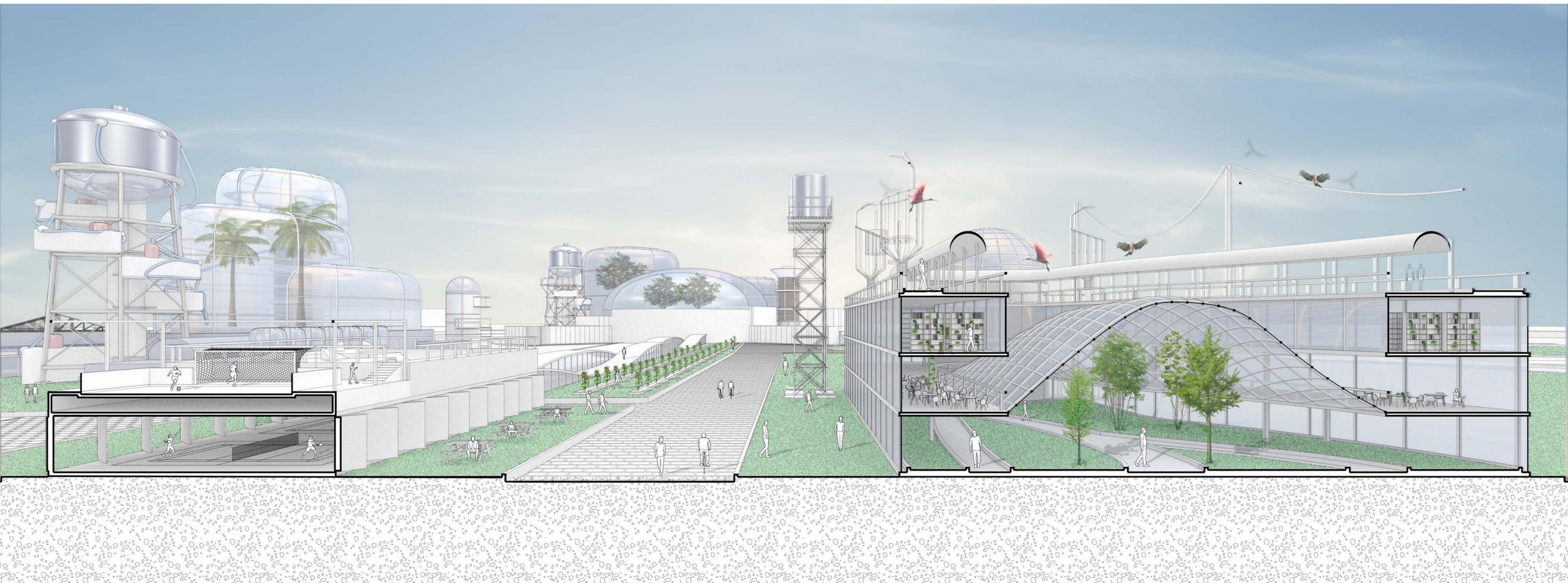
Speculations of Inclusive Food Infrastructure

If the world is warming critically, and climate is migrating, do our communities migrate with it?

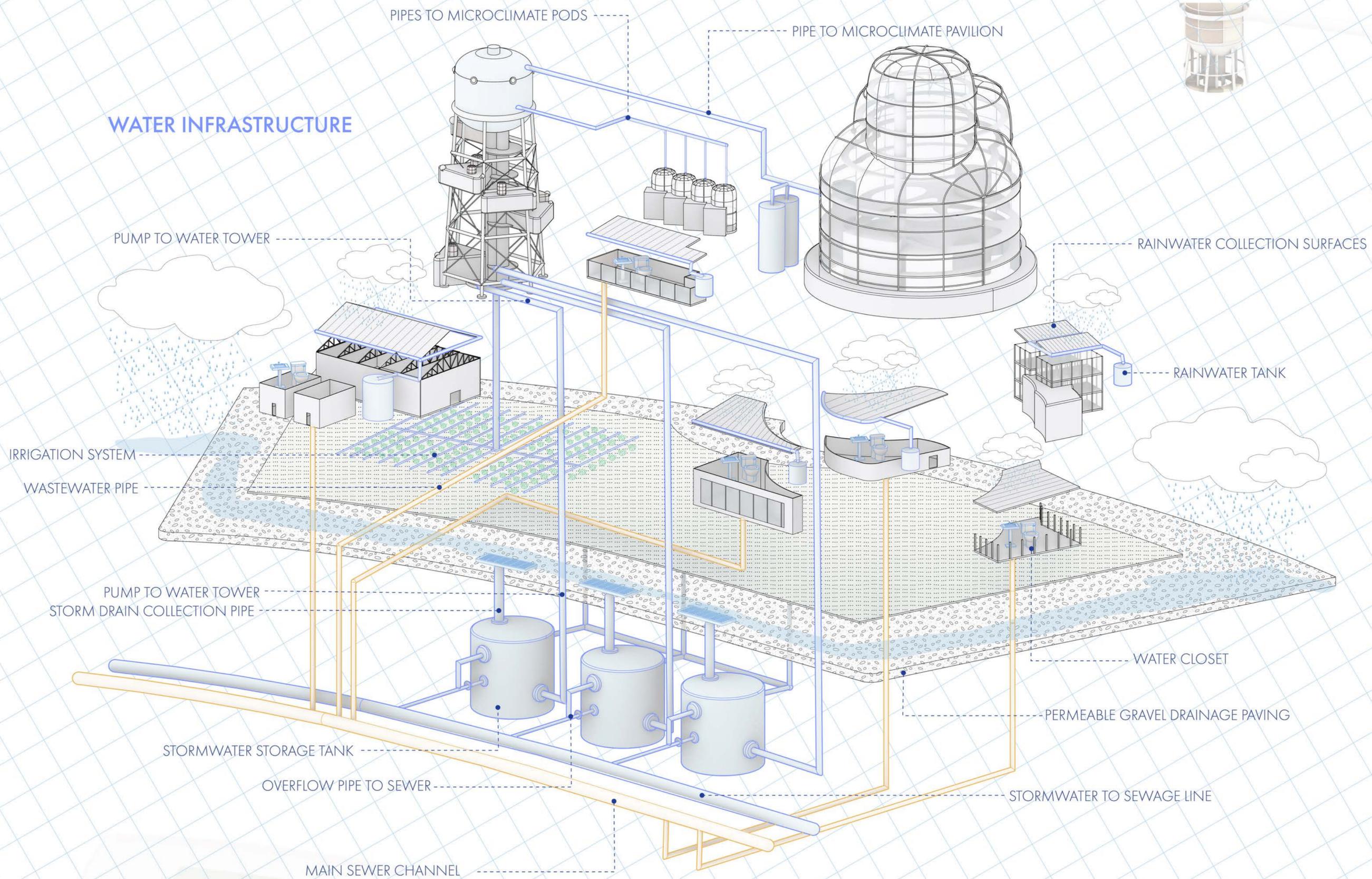
How do we architecturalize a globally inclusive vision of how we grow and interact with the food we consume?

Sited in Corona Flushing Meadows Park, this project is a commentary on the future of food infrastructure in the current moment. This area of Queens is one of the most ethnically diverse in New York City, with the highest proportion of Latin-American and Asian-American communities in the city. Underused and neglected, the park is a glaringly under-utilized space in the context of food accessibility.

This project reclaims the vast green spaces as a large-scale farming system using climatized pavilions to house a diverse array of fruit and vegetable species that otherwise cannot grow in the sub-tropical climate of New York. The project raises a number of vital speculations: if our world is warming critically and climate is migrating, how will our communities and their heritages migrate with it? How might we architecturalize a more inclusive vision of how we grow and interact with our food?

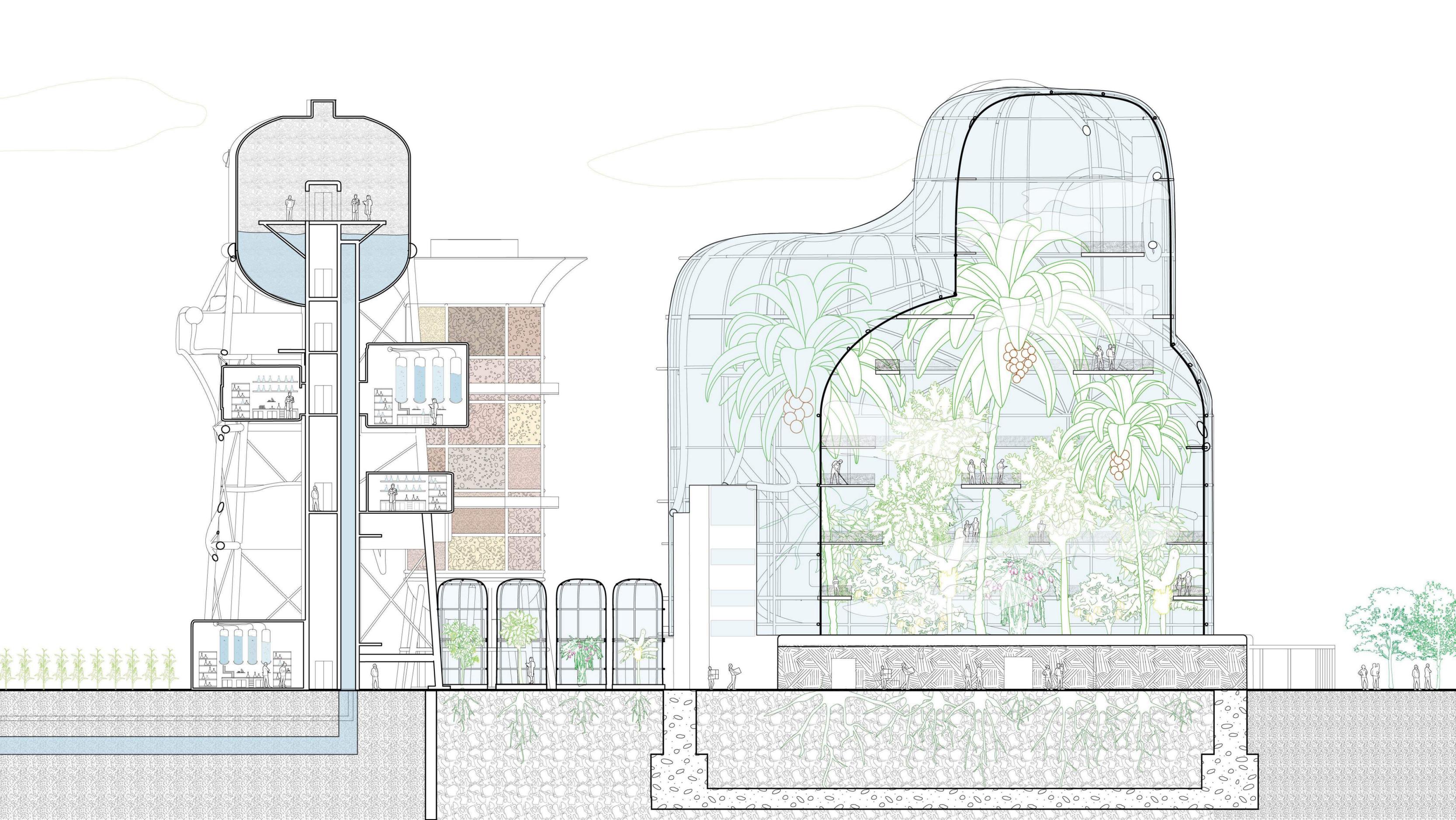


WATER INFRASTRUCTURE

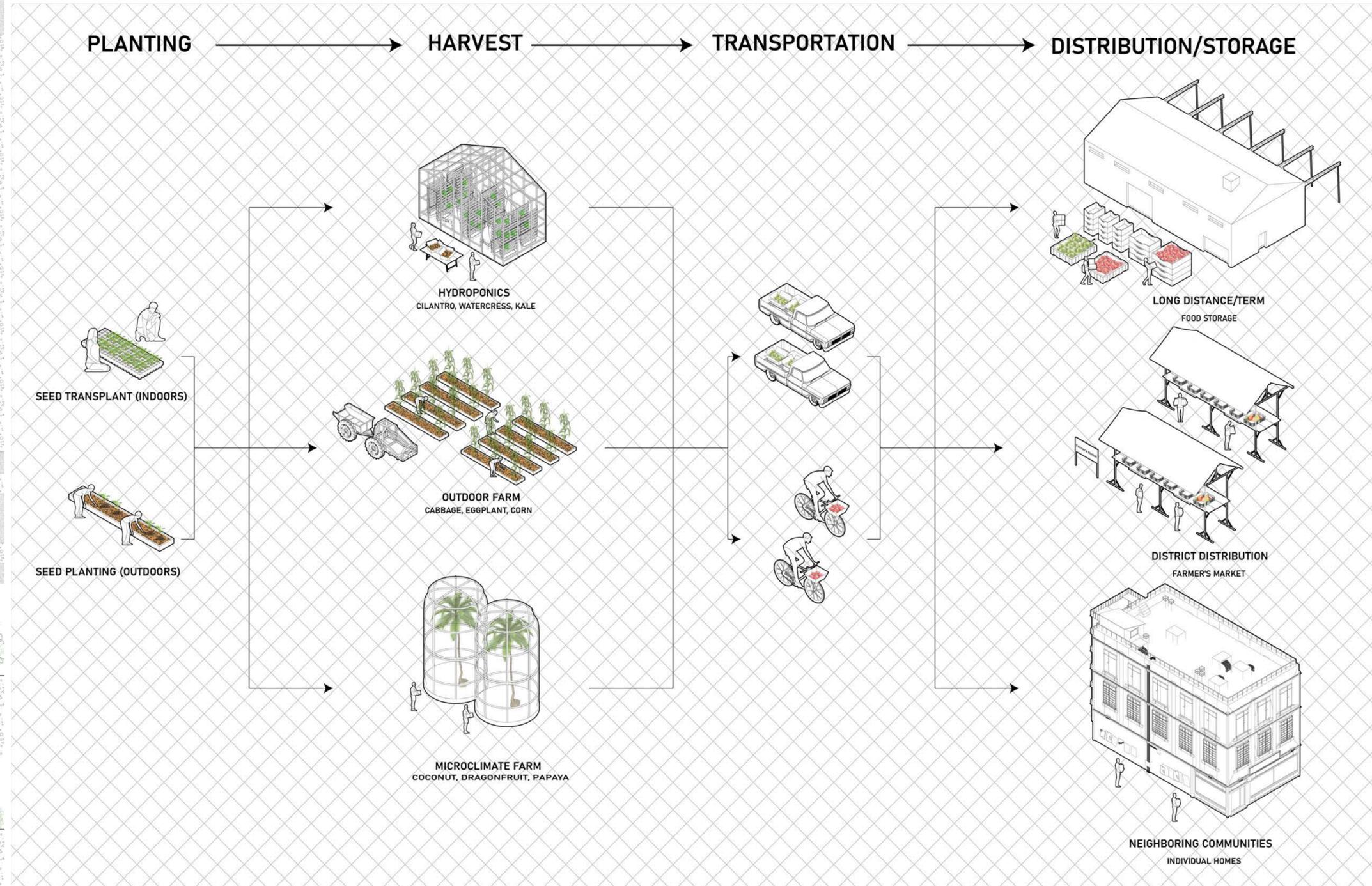
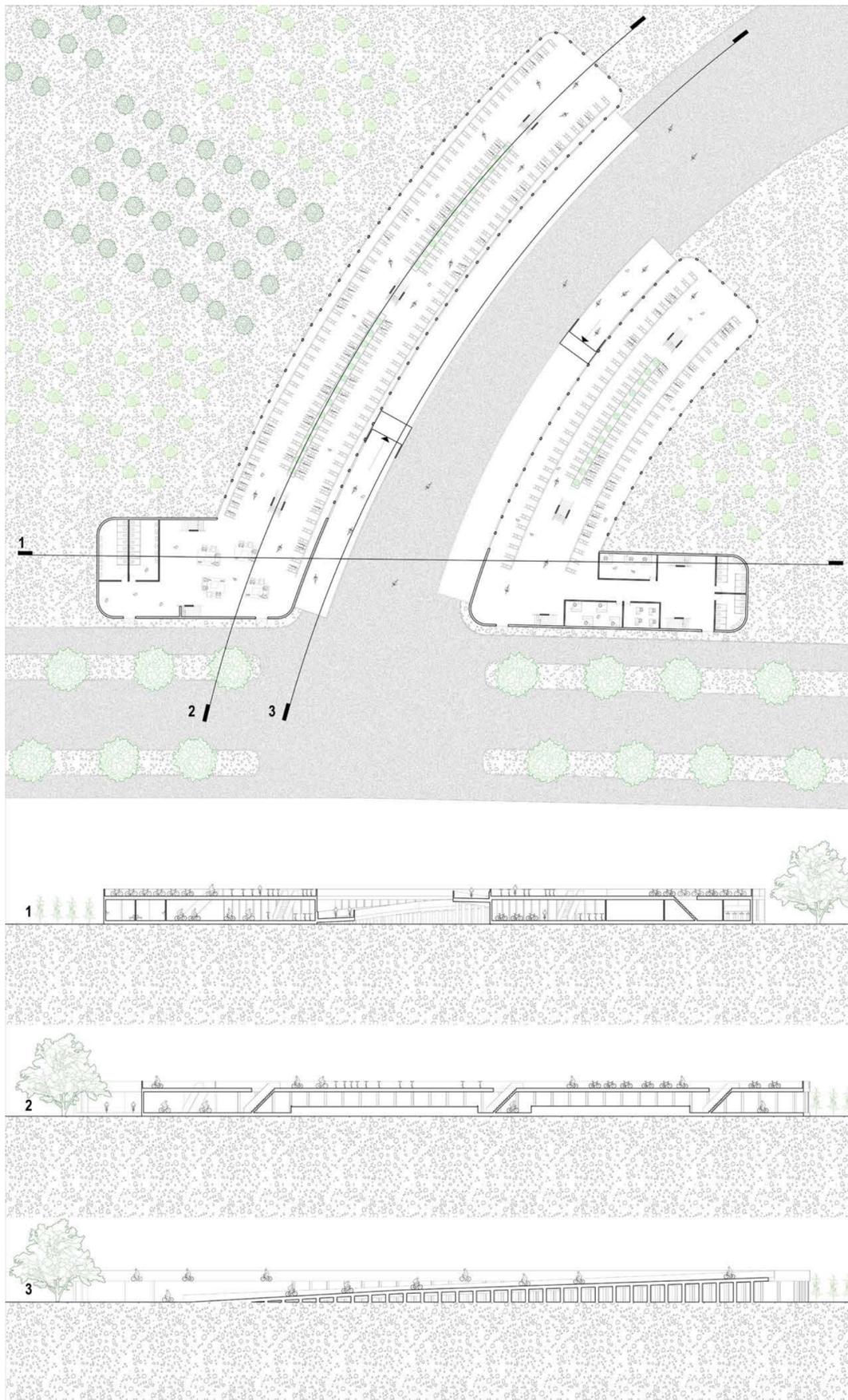


The micro climate indoor farm pavilion is dedicated to housing tropical fruiting trees such as papaya, coconut, dragonfruit and mangoes which are typically grown in South America. The pavilion is comparatively tall to accommodate the potential height of the trees. Coconut tree, for example can grow up to 100 ft. The glass structured dome allows maximum daylight for the interior.

Adjacent to the atrium are support systems that are required to maintain the growth of plants. The water tank stores excess storm water and water testing labs to check for nutrients and bacteria in the water before it is pumped into the farm. The soil tower stores different types of soil that are distributed across the site according to species needs.







The pavilions that are spread out across the site individually have programs that are dedicated for different purposes. Some are geared towards micro climate farming but some are more geared towards public activities such as indoor parks and public libraries.

CASE 1

Citi Field as well as US Open Stadium are not in regular usage. Both of the stadiums are huge attractions to the park but are only in use during sports seasons.

- Tourists
- Fans

MONTHLY/YEARLY USAGE



CASE 2

Queen's Museum is an attraction which attracts a specific targeted group, **STUDENTS and TOURISTS**. Many people coming from other boroughs make use of 7 Train to get to the Museum.

- Tourists
- Students
- Family

WEEKEND USAGE



CASE 3

The high population of **LATIN and ASIAN AMERICANS** enjoys using the park for leisure activities such as soccer. To the communities living in Corona and Flushing, the park functions as a communal space rather than place of attractions

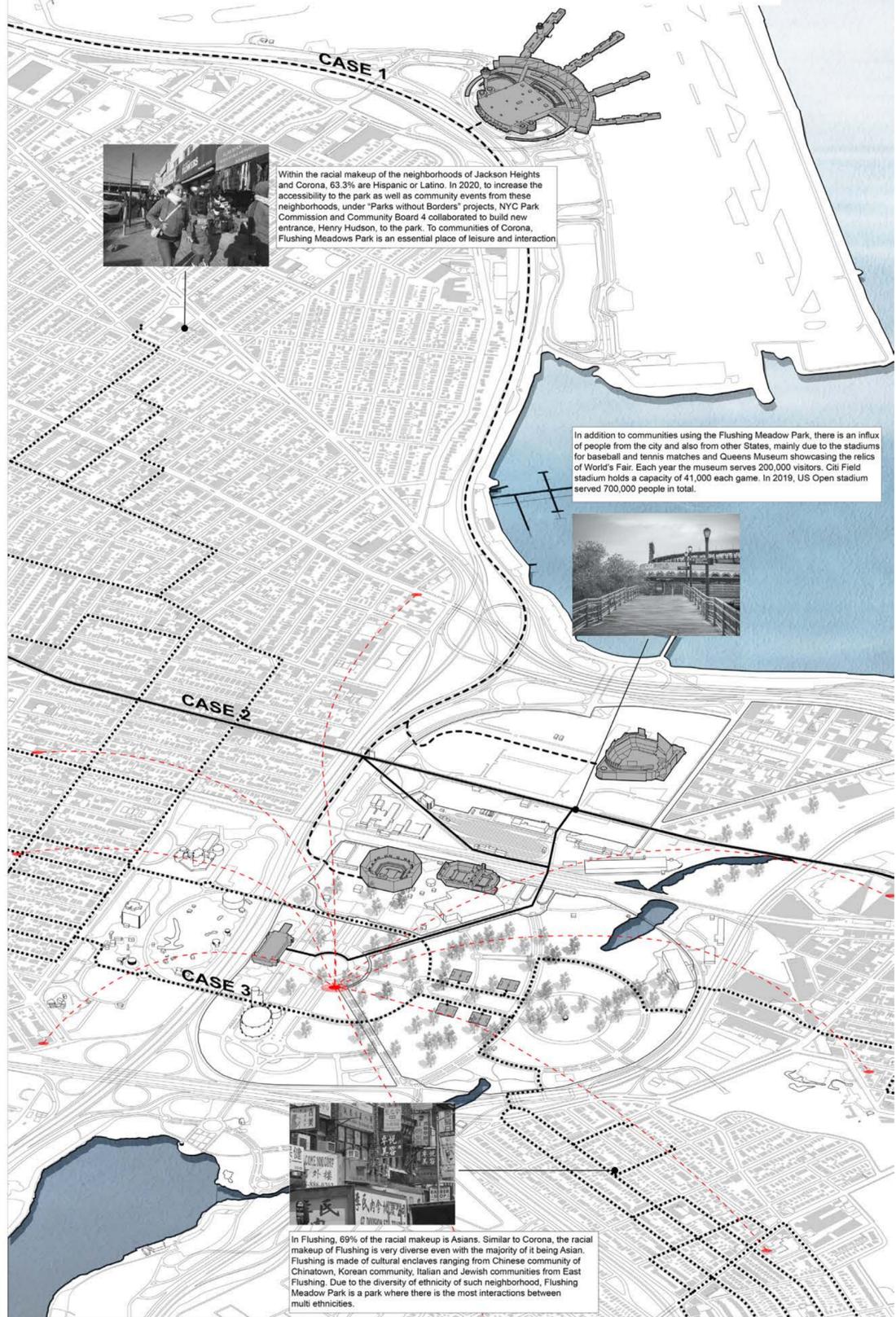
- Neighboring communities (Flushing Futbol Club, Queensboro FC)

WEEKDAY USAGE



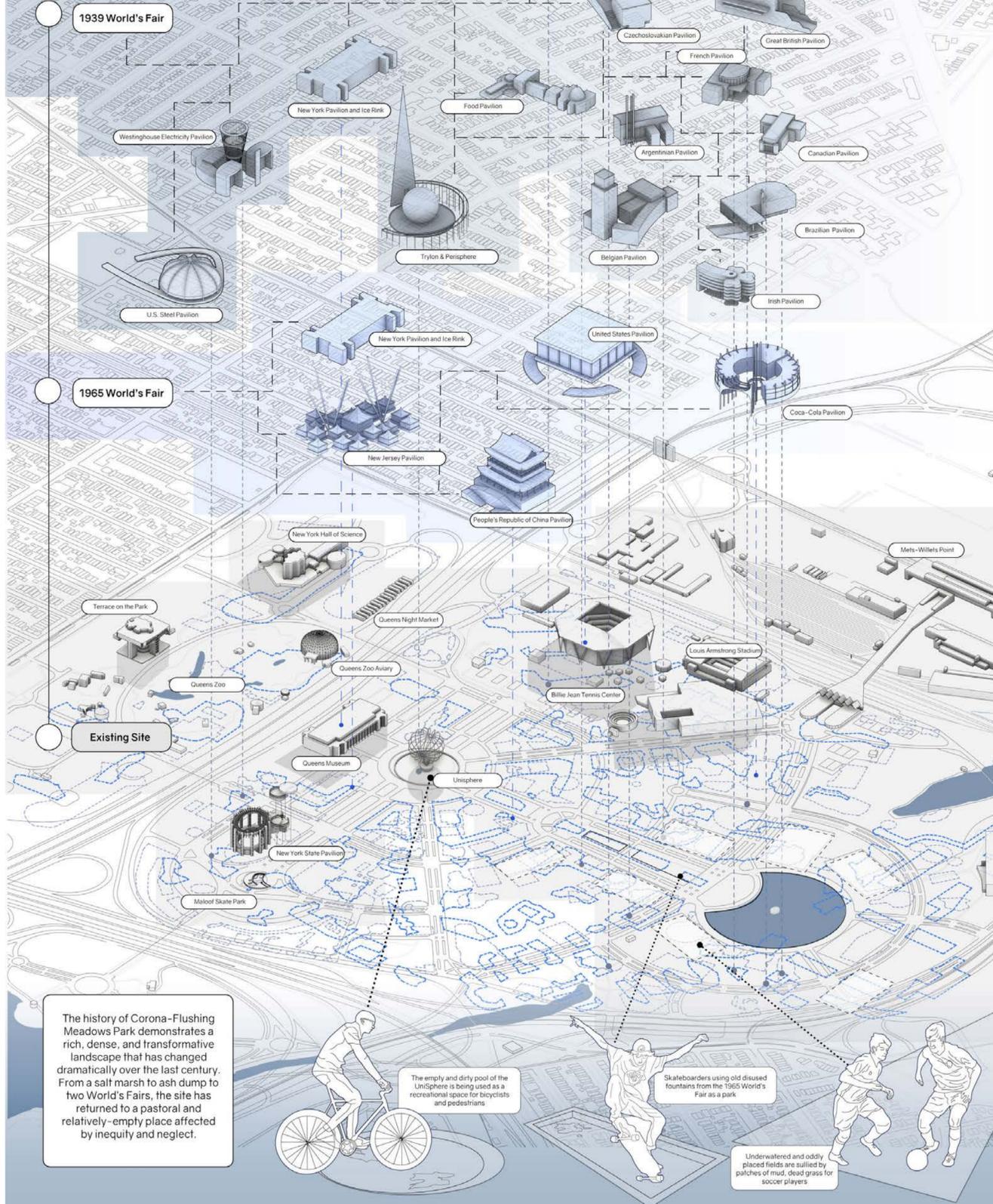
FRAGMENTED PARK

Situated in the hearth of the neighborhoods, Jackson Heights, Corona and Flushing, Flushing Meadow Park provides a vast open space for the communities of the neighborhoods. The park today is more than that just another city park. A remnant of two massive World's Fairs. It is a hodgepodge of green spaces, cultural institutions, sports facilities, and decaying relics of the fairs.



MONUMENTAL TO PASTORAL

CORONA-FLUSHING MEADOWS PARK





QUEENS SUMMER
PRODUCE FESTIVAL

CHECK OUT OUR
VENDORS TODAY

الذرة
&
الفاكهة

EDA
19 8



04

Reflection of Progress

Visual Electives/Essays

“ways architectural devices and architectural practices gain collective relevance by participating in the making of contemporary realities; by facing current environmental, technological and representational challenges; and by being part of ongoing interactions, collaborations, disputes and coexistences.”

“To interrogate and reflect on racism as a structuring component of societies across the world; and to enhance their engagement with antiracism personally, as members of the school, and as professionals and scholars whose work contributes to shape the built environment”

“Explores the agencies architectural devices unfold through transscalar conditions—that is to say, the specific political modes that architectural devices perform, and the way they multiply their reach, influence, and sensitivity: for instance, from the microbiological to the mineral, the atmospherical, the ecosystemical, the genetic, and the planetary.”



TENSION OF THE INEVITABLE
Speculative Visualization
Techniques to Ultrareal 2021
Crupi and Brennan







The vignettes are chronological representations of an occurrence.

An occurrence that is not defined by when or where but by its inevitability...

It could be today or in distant future. We can only imagine until they come...

Tension of the Inevitable is a series of speculative visualization images that attempts to tap into our inner imagination of extraterrestrial beings and their arrival on earth. The series depicts the tension between the built environment of our world in terms its architecture and landscape and introduction of new alien structure. The aim is to accentuate the uneasy tension between the two at different scales.

RELAXATION STATION

If Buildings could talk

Sharon Ayalon



AVERY

RELAXATION

meditation

GSAPP

relaxation
station

post
covid

EXHIBITIONS

STATION

FRAGRANCES

LIGHTING

SOUND

student use

The main purpose of our installation is to transform the current underutilized common study space of Avery 100 to a relaxation area for Columbia GSAPP students. An opportunity for them to take a break between courses or their studies to relax, reduce their levels of anxiety and increase their state of mindfulness. Relaxation can be triggered in many ways, but we will be focusing on comfort, lighting, sound, and visual aspects. An installation of nylon bags will create a "cloud", connected to the ceiling, and combined with the appropriate lighting, so as to create the feeling, for visitors, of releasing by decompressing the pressure and intensity of their daily life. At the same time, light fabrics will differentiate and enclose the space, creating smaller private spaces. The screen located in the space will display images/videos for visual relaxation, while a QR code will enable the visitors to manage the music they will listen to. Posters and signs will advertise the station all over the GSAPP building, attracting students to experience the GSAPP Relaxation station and its dynamics.

AVERY

CONNECTION

traveling

intimate
usage

STUDY SPACE

SPACE

AUDITORIUM

study
space

PIN UP SPACE

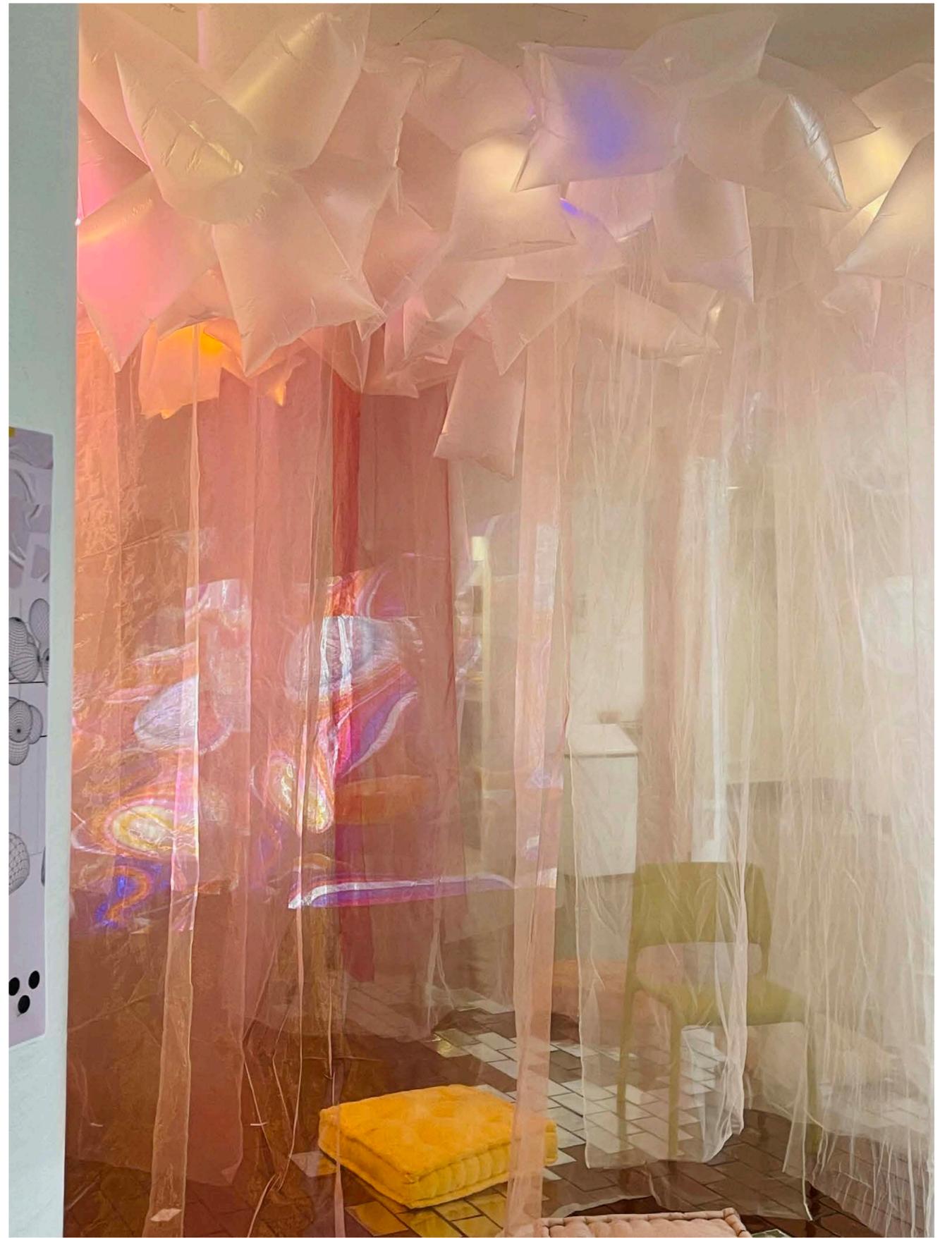
CAFE

INDIVIDUAL WORK

student use

passing time

SMALL GATHERINGS



The End

The Beginning