



2022 Graduation Portfolio **GSAPP**

Selected works from 2021-2022

1//LEARNING ENVIRONMENT

—It takes a whole neighborhood to raise a child

2//AFTER PROPERTY

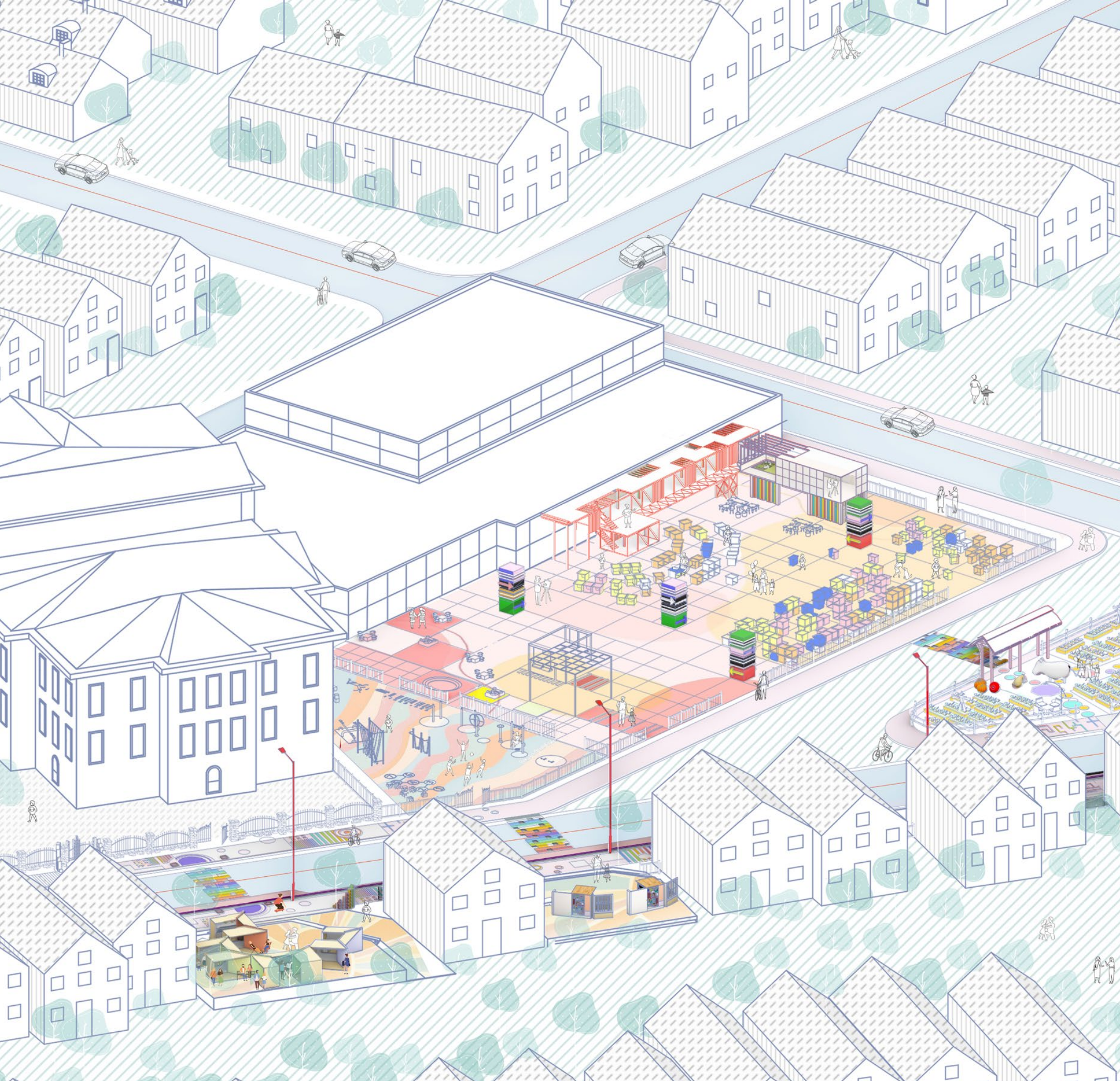
— NO COP CITY

3//WATER SENSITIVE URBANISM

—2080 Ladyville

4//OTHER WORKS

M.S. Architecture and Urban Design
Jiaxin Li



1//LEARNING ENVIRONMENT

—It takes a whole neighborhood to raise a child

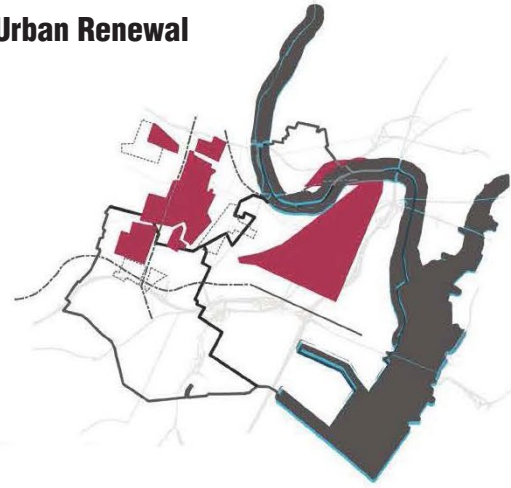
Columbia University Academic
Instructor: Nans P. Voron
Teamate: Qiqi Huang, Riya Chadha, Rhea Rajesh Pai
Year: 2021

The education system should be equal and equitable and that every Child has a right to education. But the reality is far from that. Schools and their surrounding communities are constantly shaping and being shaped by one another. Which made us think why cant they be integrated as a system?

We make a new education system which beyond school which pooled resources and strategically included the neighbourhood .This will reduce redundancy within the existing educational structures. Our aim is to renetwork education and revitalize disparate neighborhoods by this system of shared resources. By creating unique interventions at different levels - inherently distinct to each neighborhood, we hope the driving factor is the context, people and culture.

VACANCY

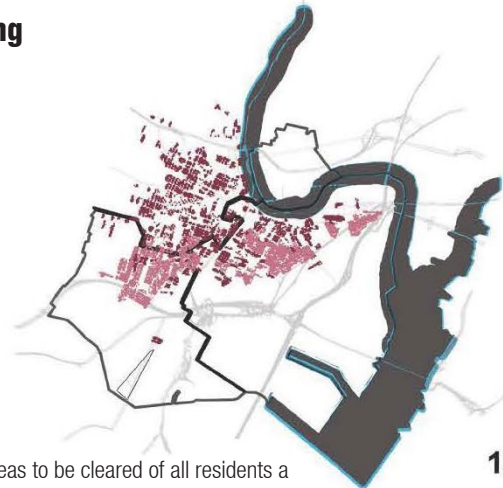
Urban Renewal



1944

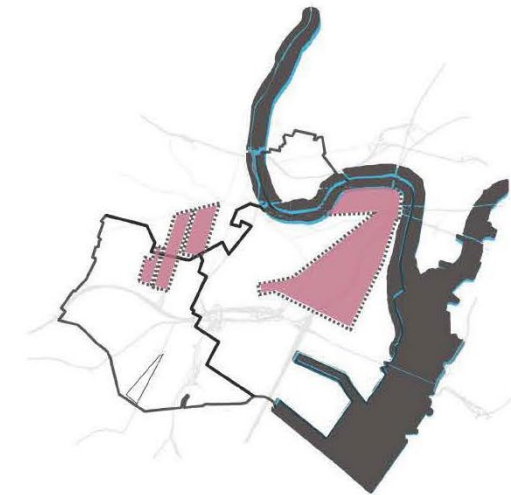
Existing
Proposed

Redlining



1959

Indication areas to be cleared of all residents a homes, areas to be 'rehabilitated' & areas to be 'conserved'. More than half of downtown Newark is deemed a slum & slated for demolition.



1963

Locations of proposed highway construction and urban renewal projects



1957

Most desirable loan areas in green (white & Jewish communities) & areas of the city whose residents should be refused mortgage (predominantly black communities)

Vacant Land



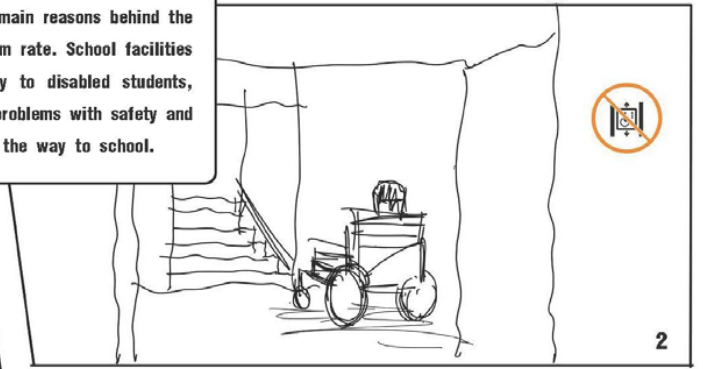
Vacant Rate



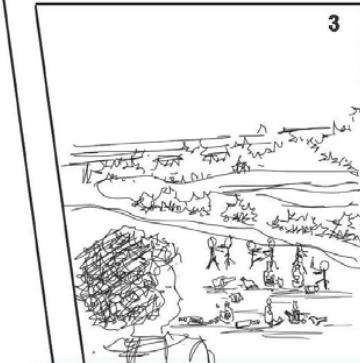
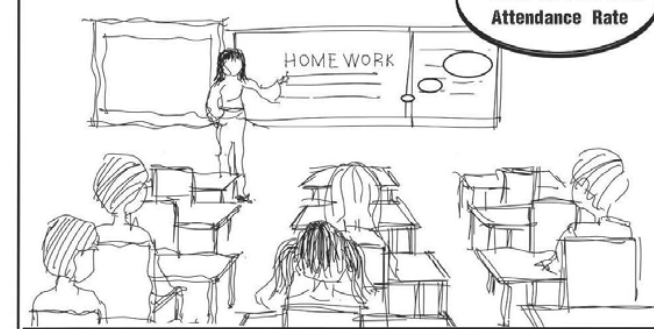
Rarely: 75% Attendance Rate



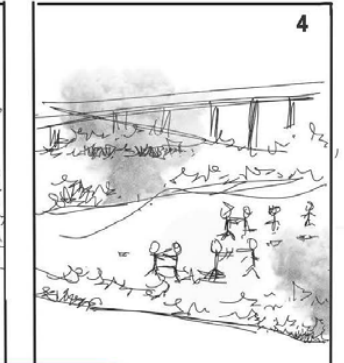
There are two main reasons behind the high absenteeism rate. School facilities are not friendly to disabled students, and there are problems with safety and convenience in the way to school.



Often: More or less 42% Attendance Rate



I am worried about my children passing by these vacant lots, where people often fight, get drunk, and smoke. A lot of bad things will happen here, even crimes.

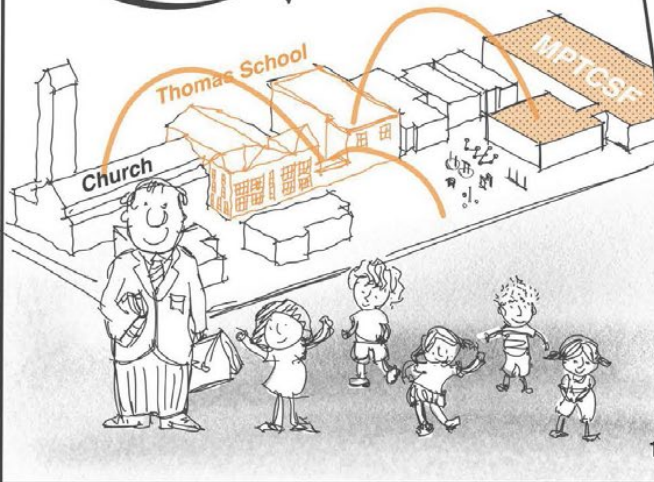


The Slogan of MPTCSF: It Takes a Whole Village to Raise A Child. Thomas School shows the classical education mode - combining school, church, open space and social infrastructure together.

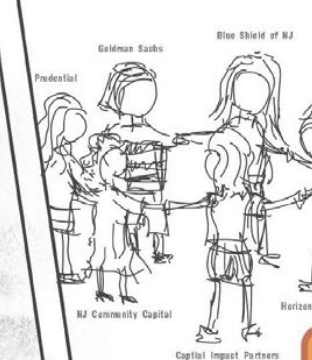
Grading of Marion P. Thomas Charter School is 8, the highest one on the West Side. Students in P. Thomas School has a higher acceptance rate, promoting better development. Thomas School is favored by parents.

Higher Acceptance Rate

Good teachers, abundant investment, diversified facilities promote children to become those who are beneficial to society.



Thomas Partners

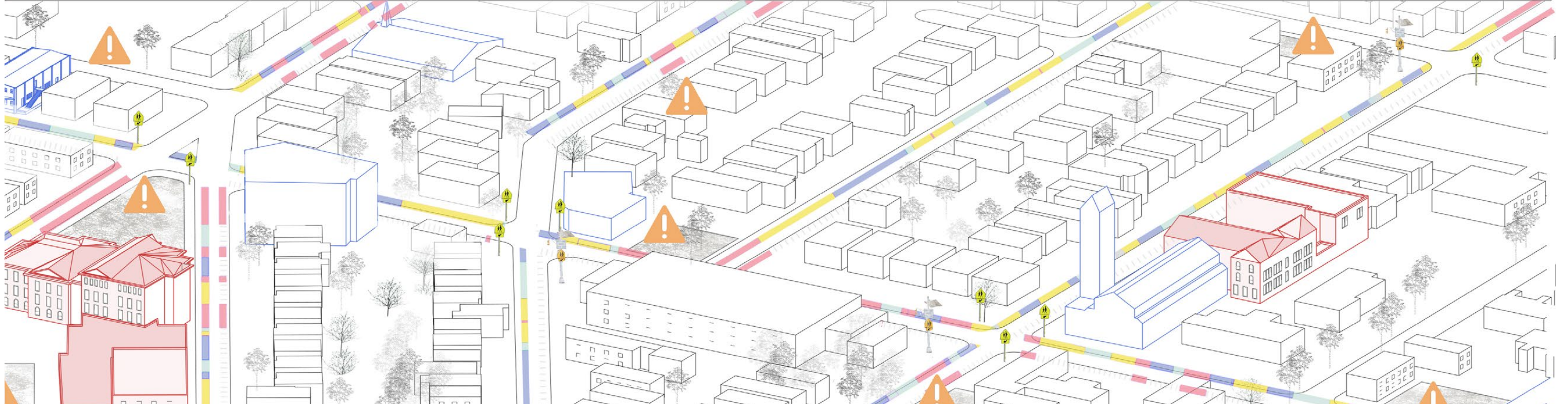
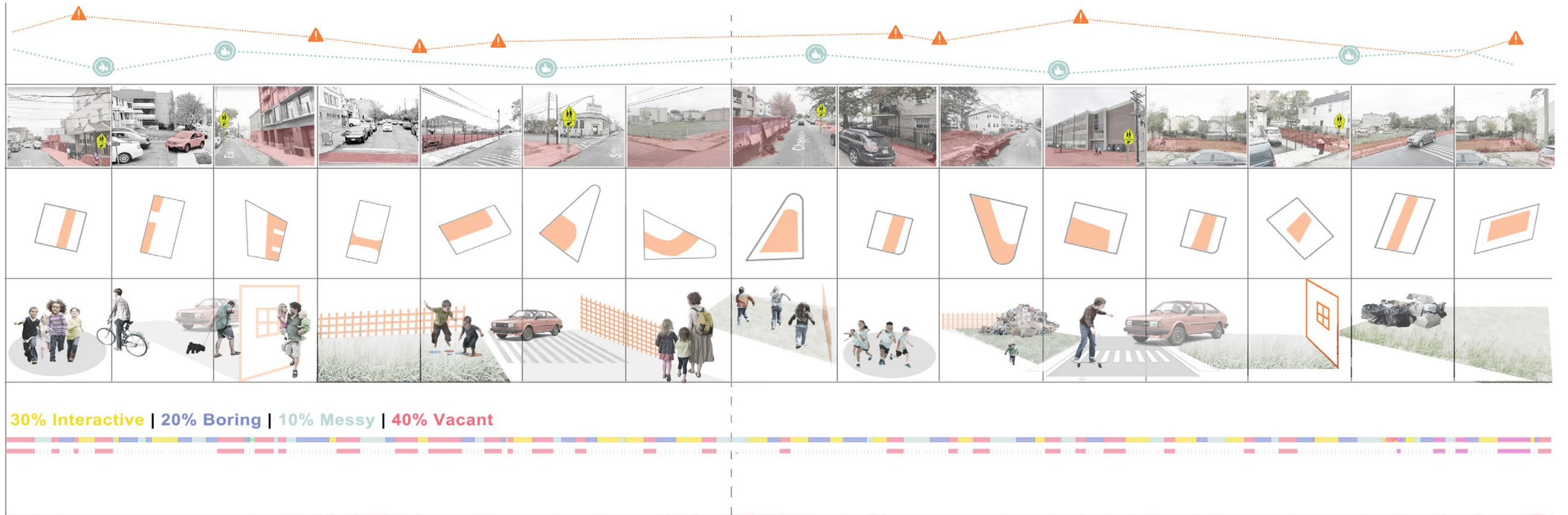


Sponsorship List

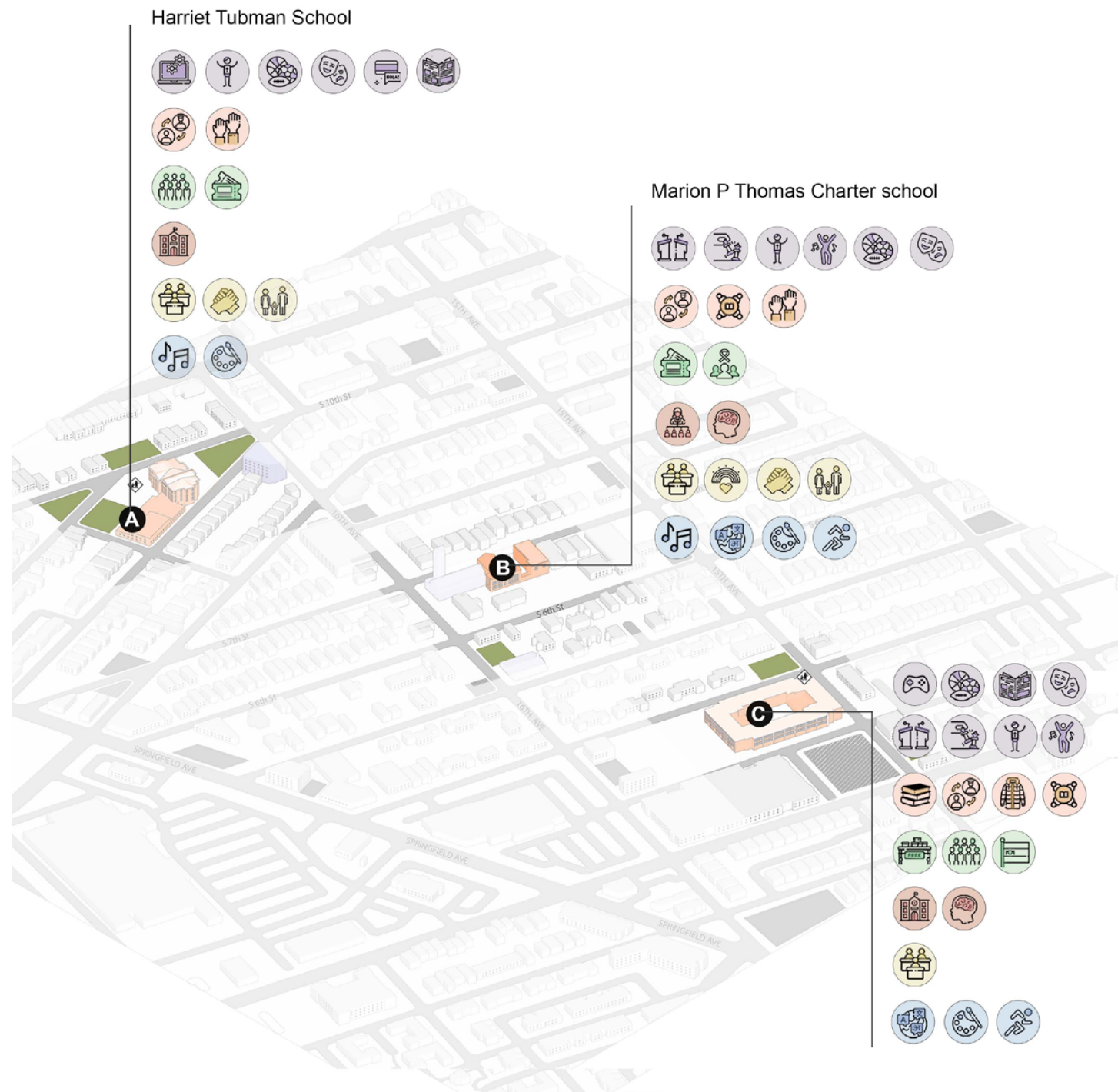
5-Year Commitment	
1. Production Room	- Eric Pratt, \$25,000
2. Science Rooms	- Richard Wieser, \$20,000
3. Culinary Labs	\$37,500 (Hawkins-Beechler)
4. Technology Lab	- John W. Carter, \$20,000
5. Music Rooms	\$20,000

Marion P. Thomas Charter School Friends (MPTCSF) now sponsor school's extra demands. Fundings are from public, corporations to government. The capital investment should be no less than 5 years.

STREETS

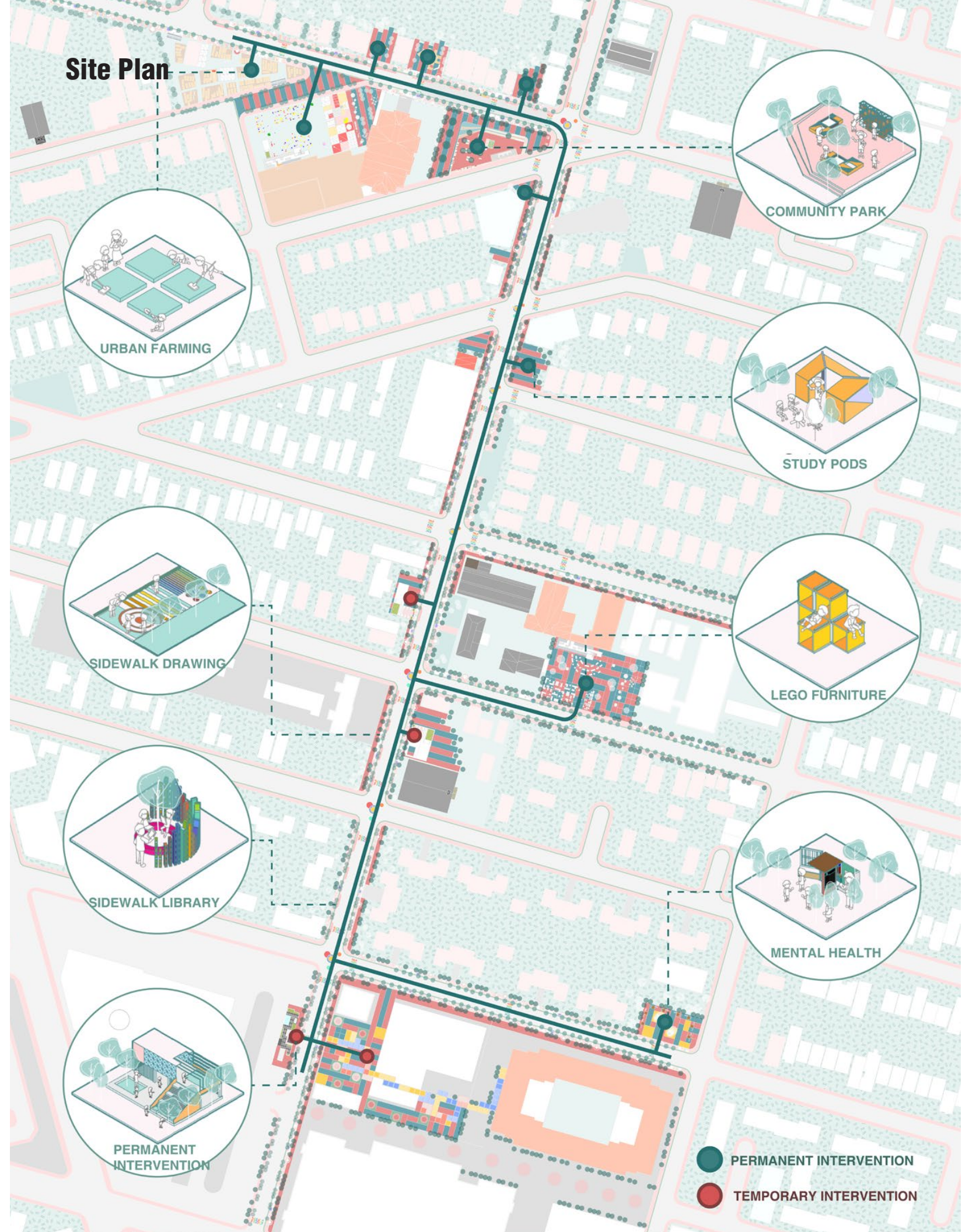


RESOURCE DISTRIBUTION



SPECIALISED	COMMUNITY DEVELOPMENT	SPECIAL NEEDS	CULTURAL	SOCIAL	EXTRA CURRICULAR
<ul style="list-style-type: none"> Instrumental music Art Physical training World Languages 	<ul style="list-style-type: none"> Staff Development LGBTQ Club Community Empowerment Program Family hub Counselling 	<ul style="list-style-type: none"> Autism month Saturday School Female mentoring 	<ul style="list-style-type: none"> Martin Luther King Day Bring home dinner Hipanic history day Theatre team Share initiative 	<ul style="list-style-type: none"> Book collections Mentoring programs Coat drives Literacy lunch Adopt a school program 	<ul style="list-style-type: none"> Debate Club Chess Club Dance Sports Chorus Spanish Technology club Theatre club Gaming club School newspaper

Site Plan



ENGAGEMENT PLAN

5YEAR

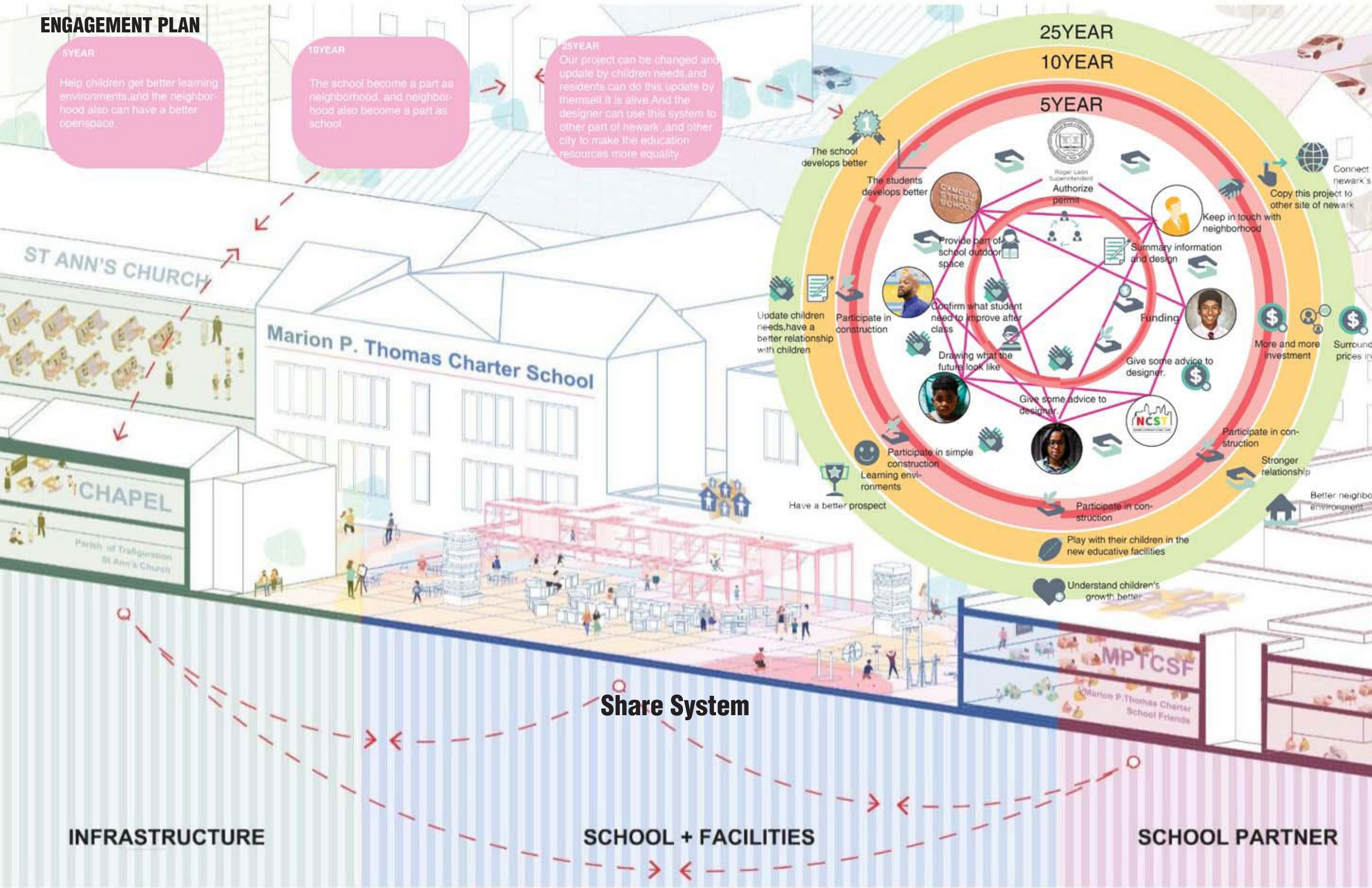
Help children get better learning environments, and the neighborhood also can have a better openspace.

10YEAR

The school become a part as neighborhood, and neighborhood also become a part as school.

25YEAR

Our project can be changed and update by children needs, and residents can do this update by themself. It is alive. And the designer can use this system to other part of newark, and other city to make the education resources more equality.



25YEAR

10YEAR

5YEAR

The school develops better

The students develops better



Roger Leon Superintendent

Authorize permit



Provide part of school outdoor space



Keep in touch with neighborhood



Copy this project to other site of newark

ST ANN'S CHURCH

Marion P. Thomas Charter School

CHAPEL

Parish of Traligston St Ann's Church

Update children needs, have a better relationship with children

Participate in construction

Confirm what student need to improve after class

Drawing what the future look like

Summary information and design

Funding

Give some advice to designer.

More and more investment

Surround prices in

Participate in simple construction

Learning environments

Have a better prospect

Give some advice to designer.

Participate in construction

Stronger relationship

Better neighborhood environment

Play with their children in the new educative facilities

Understand children's growth better

Share System

INFRASTRUCTURE

SCHOOL + FACILITIES

SCHOOL PARTNER

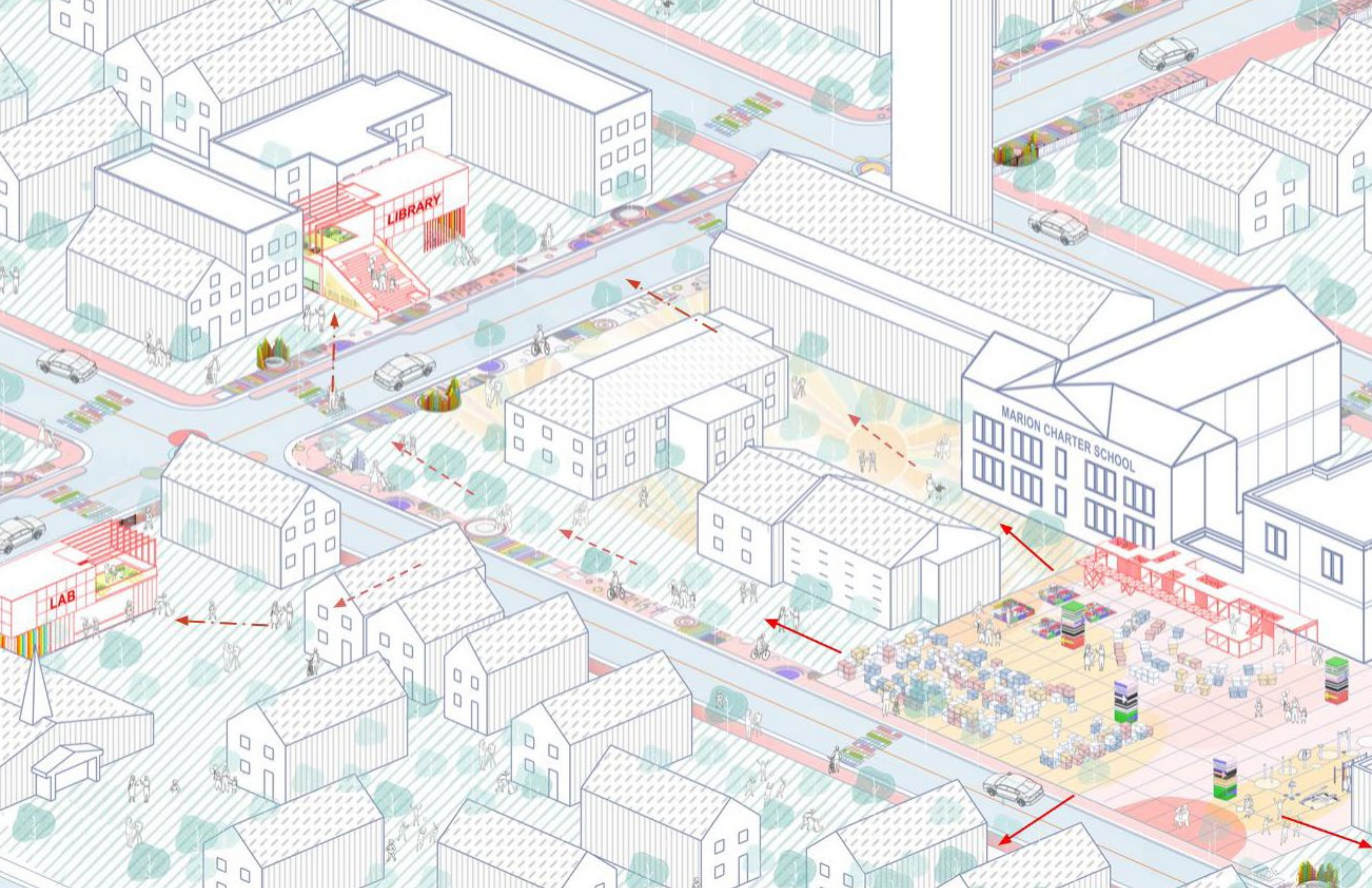
MPTCSF

Marion P. Thomas Charter School Friends

MULTIPLICITY OF PROGRAMS







MARCH TO DEFUND COP CITY

Friday, June 25

3:00 PM

Five Poi

Join us on
expose

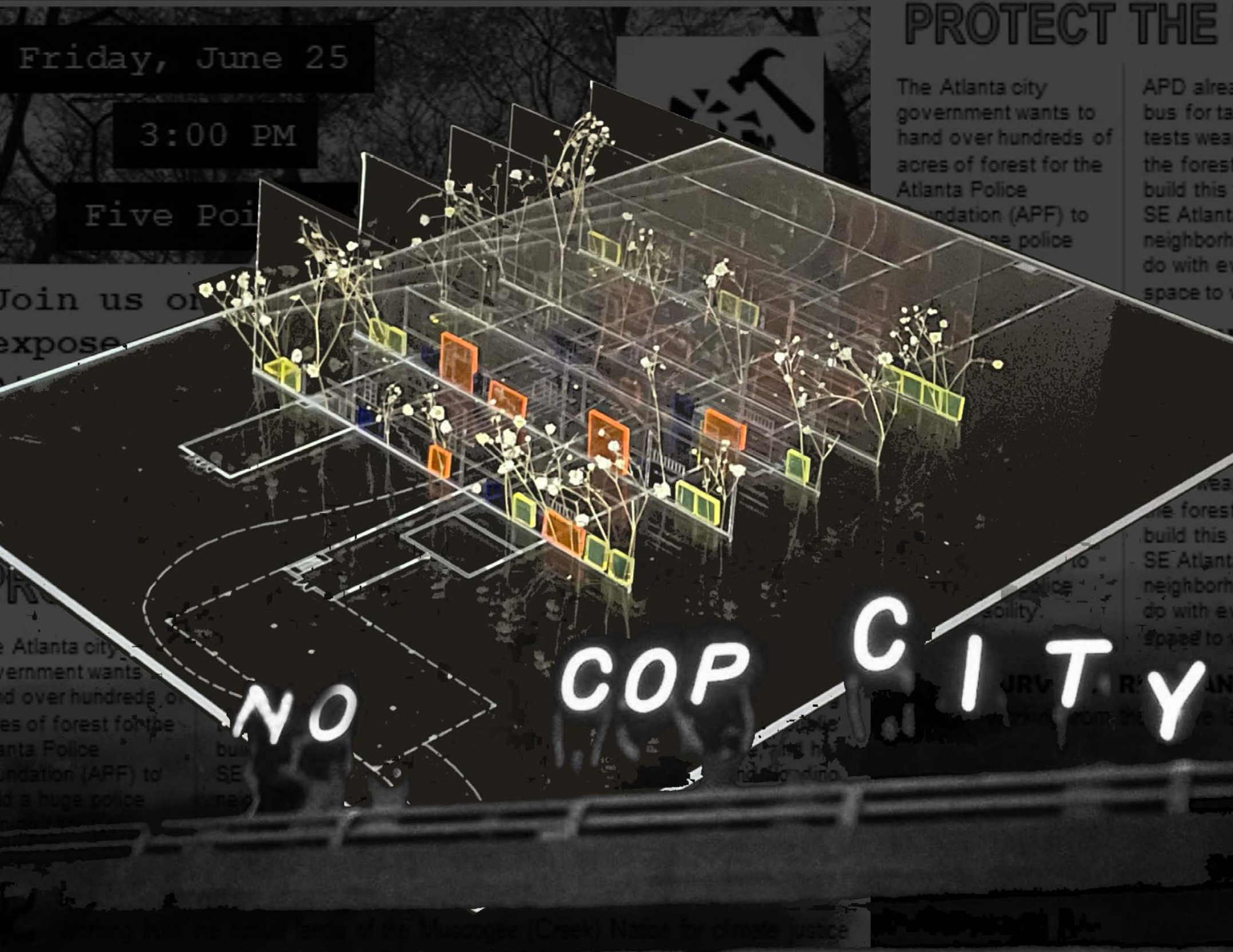
expose companie
Atlanta Police
Time to divest

NO CO

PROTECT THE

The Atlanta city
government wants to
hand over hundreds of
acres of forest for the
Atlanta Police
Foundation (APF) to
expand police

APD already
bus for tax
tests wear
the forest
build this
SE Atlanta
neighborh
do with ev
space to v



2//AFTER PROPERTY

— NO COP CITY

Columbia University Academic
Instructor: Emanuel Admassu
Teamate: Rongxin Tang, Jiayi Zhao, Shannon Li
Year: 2021

The site now is under the surveillance of the policing and correction system who have built the border to prohibit community members from accessing the resource. And they are going to the next level of surveillance, building cop training facilities here to strengthen their power, which is so-called cop city.

After property, public funding should be shifted from the policing system to social needs and services. New collective system will be formed to empower the communities to protect their interests and the people can become the ruling class under the new social order. Community-based programs will address the public health and safety without armed force and violence.

HISTORY OF 'COP CITY'

Before 1600's Native American
Involuntary removals of the Muscogee peoples from Georgia to Oklahoma and Alabama.

Immigrants
Gov. George Troup drove the Muscogee out after the Treaty of Indian Springs was signed. By 1827 the Creeks were gone from Georgia.

1820 Dekalb County
In the midst of the Civil War in 1863, the land played a key beginning role in a famous Civil War battle, the Battle of Atlanta.

1864 Planter Owner
After the Civil War in 1864, the land was sold in a land lottery to a plantation owner who used the land for chattel slavery and forced labor of Black people.

Plantation owners
Slaves

Atlanta Old Prison Farm - The Honor Farm No. 2
Carnegie Library Sites
In 1902, Atlanta's first public library opened, and it was demolished in 1977. To this day, various pieces of this historic building are scattered throughout the property.

1918 The Bureau of Prisons and United States Federal Penitentiary

Federal Prison System
Prison Farm Labor
Zoo Atlanta Burial Grounds for Large Animals

1940-1965
From the 1940s up until 1965, inmates of the Honor Farm No. 2 worked the land and produced agricultural products like vegetables, grain, dairy, and hogs. Many of the existing buildings on site are ruins of what was once the correctional facility.

COP CITY - Police Training Center
The first youth detention center was established in 1972 in Atlanta and this model has become the signature feature of the juvenile justice system.

After 1965 The City of Atlanta
Police training facilities do harm to the communities nearby and the land itself.

Urban residents
Police surveillance system
#NOKIDSINPRISON
2021 COP CITY
On September 8, Atlanta City Council voted 10 to 4 in favor of a proposal to build a training center for police and firefighters on 85 acres of land in south DeKalb County.

SITE ANALYSIS

0.2 0.4 0.6 0.8 1 mile

Old Prison Farm
Inside
Graffiti
Building Ruins

needs to be closed.

Nearby High School
KINGANITON
Tina Smoot
Chekena Wells
This school was a mess I did not like it for my son. They stole his cell phone while he was at wrestling practice. They stole a pair of his shoes. Then while he was in class learning they picked his locker and stole his brain new...
Do not enroll your child into this school. The staff is rude, registration because I was...
1 of the worse High Schools in Georgia! Went home with a headache everyday. Students run most of the teachers away. I was a student here before & boy was I glad that I left. Kids are always fighting. So much negativity in the school more than anything.

Nearby Community
fence

Shooting Range
Lake
Creek
Forest
"No Trespassing" Sign

Natural Resource

the Border

Georgia Department Of Corrections
Youth Detention Center
Transitional Center
Helms Facility
Reentry Facility
Monitor
Youth Detention Center

VISION OF NO COP CITY

0.2 0.4 0.6 0.8 1 mile

Mutual-Support Community
WE NEED EACH OTHER

Self-Empowerment

Shared Forest Park

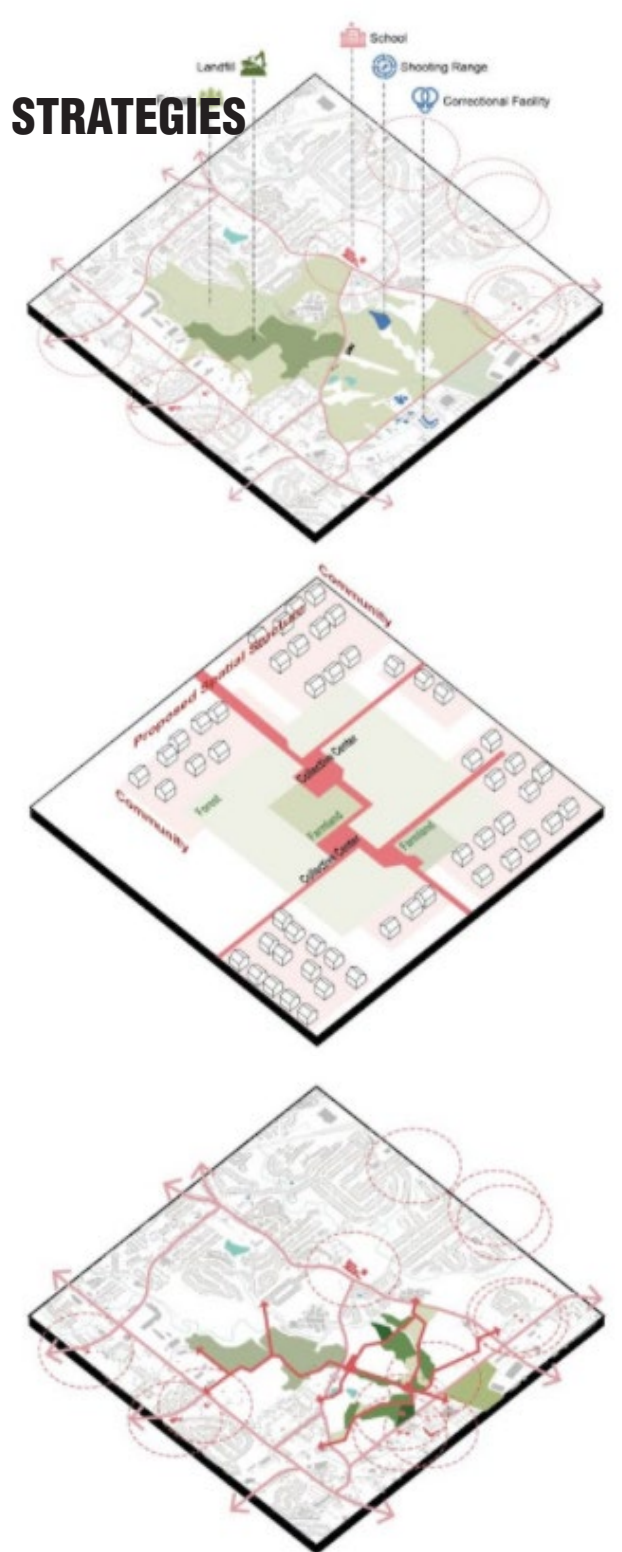
No Cops!

SITE PLAN

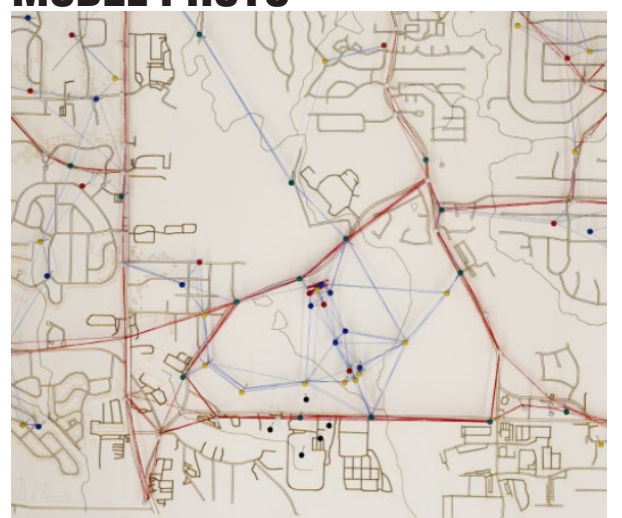


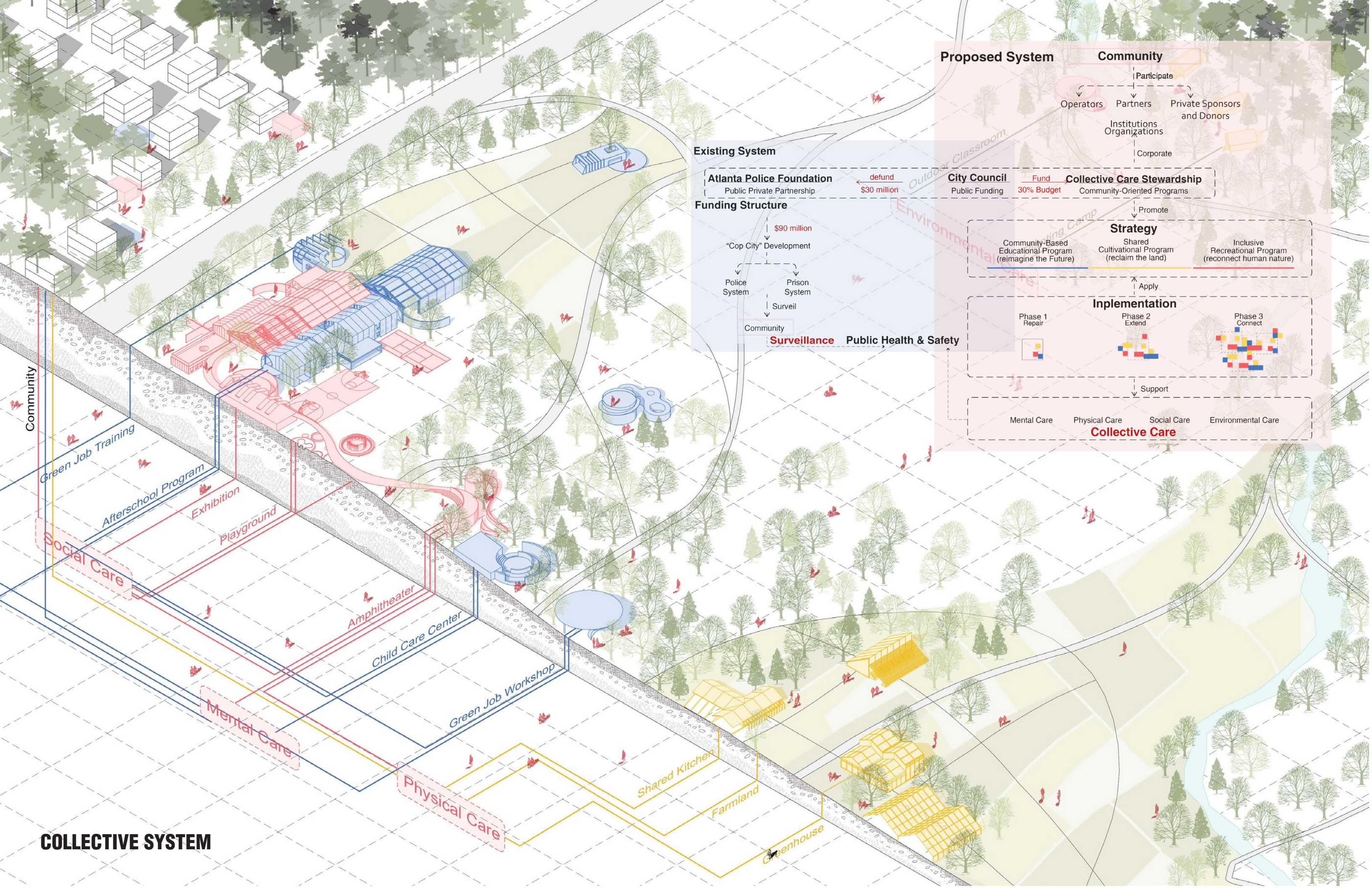
- School Shuttle Line
- Remediation Forest
- Edible Forest
- Farmland
- Collective center
- School
- Bus Stop
- 1km around School

STRATEGIES



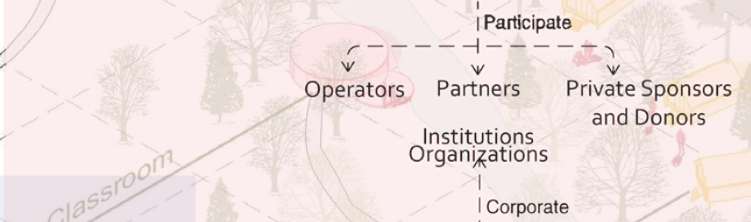
MODEL PHOTO





Proposed System

Community



Existing System

Atlanta Police Foundation
Public Private Partnership

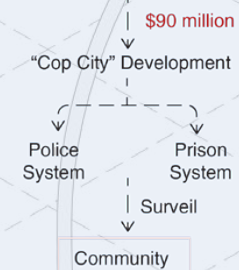
← defund
\$30 million

City Council
Public Funding

← Fund
30% Budget

Collective Care Stewardship
Community-Oriented Programs

Funding Structure



Surveillance Public Health & Safety

Community-Based Educational Program
(reimagine the Future)

Strategy

Shared Cultivational Program (reclaim the land)
Inclusive Recreational Program (reconnect human nature)

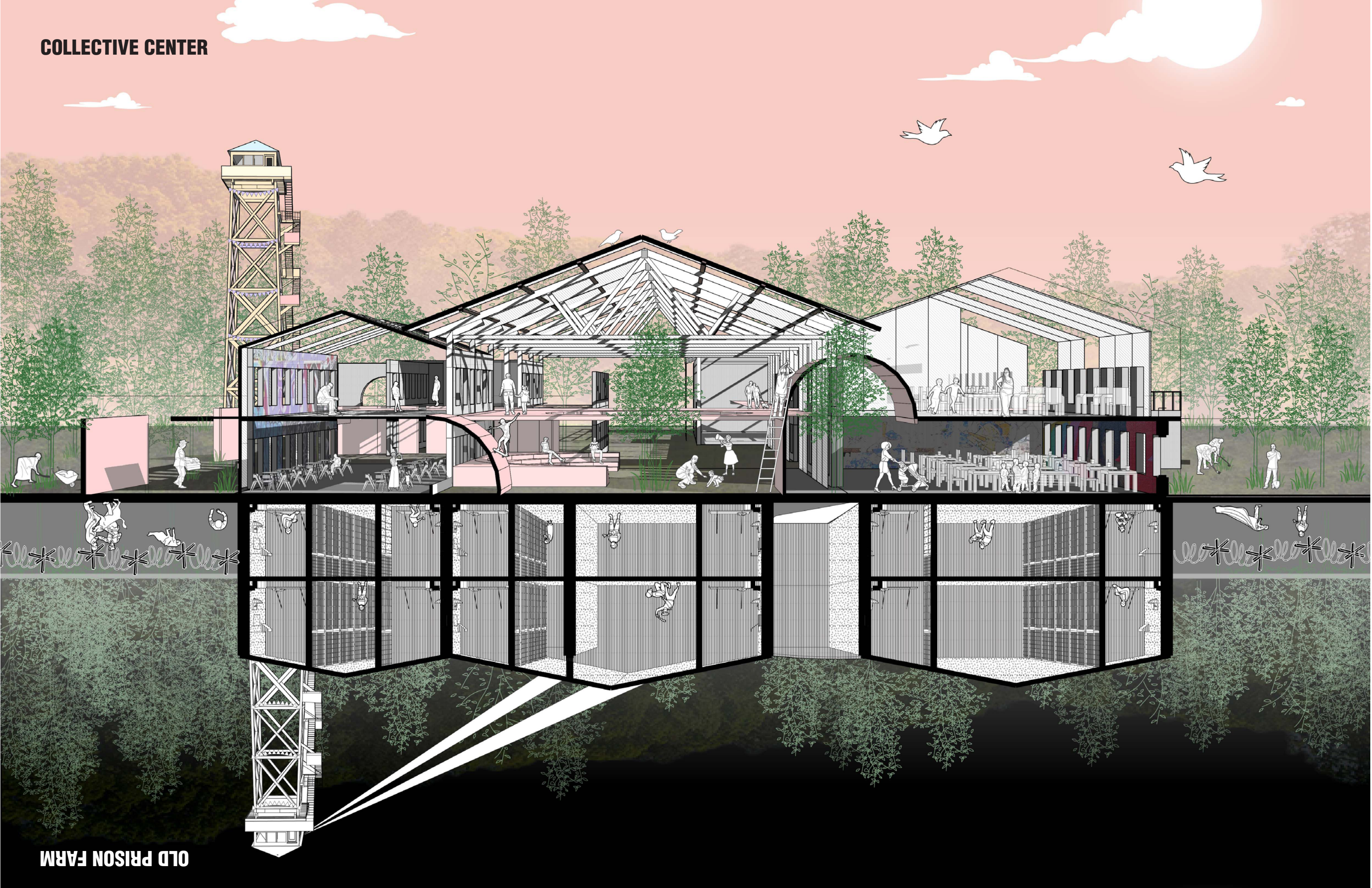
Implementation



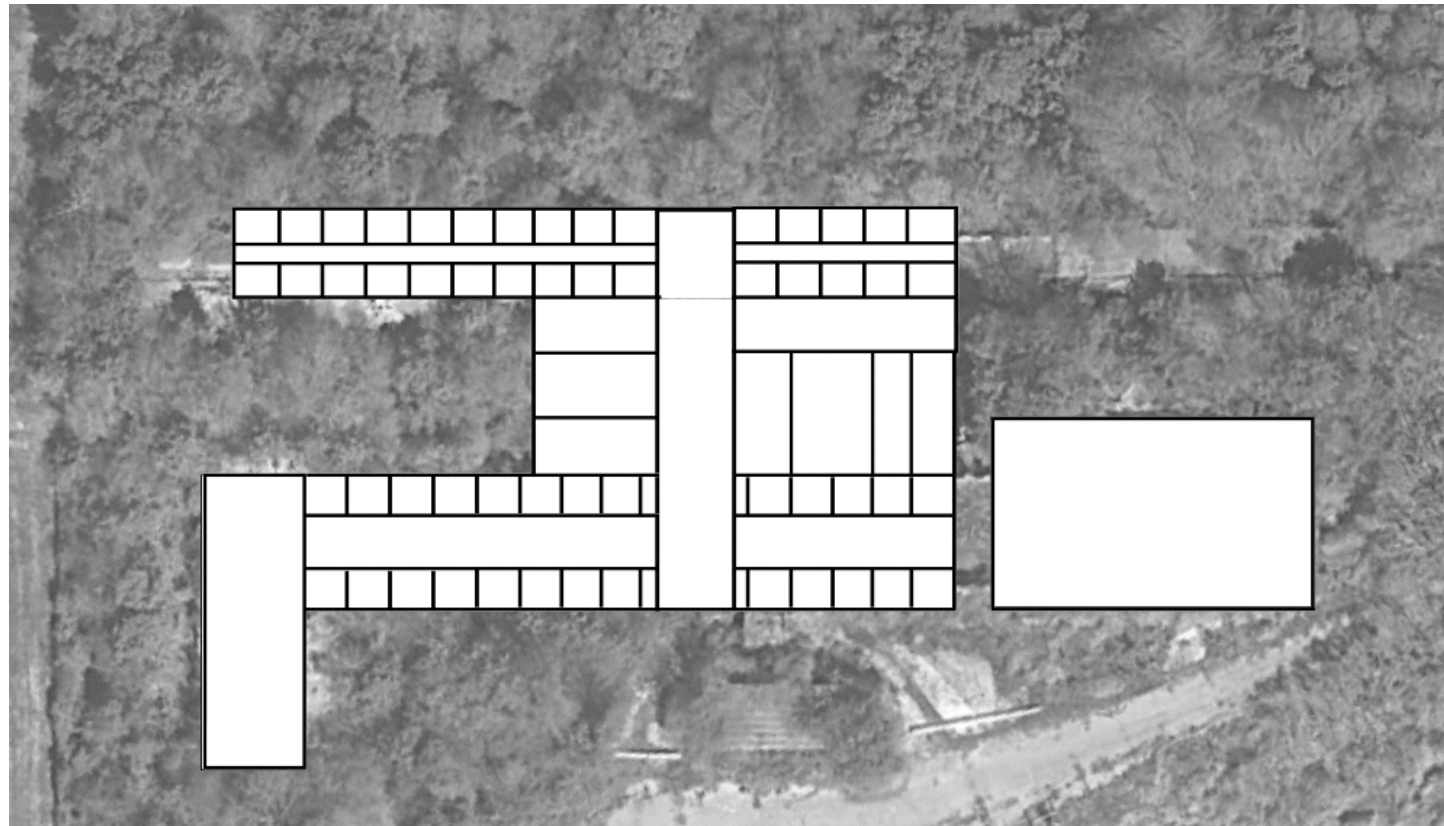
Mental Care Physical Care Social Care Environmental Care
Collective Care

COLLECTIVE SYSTEM

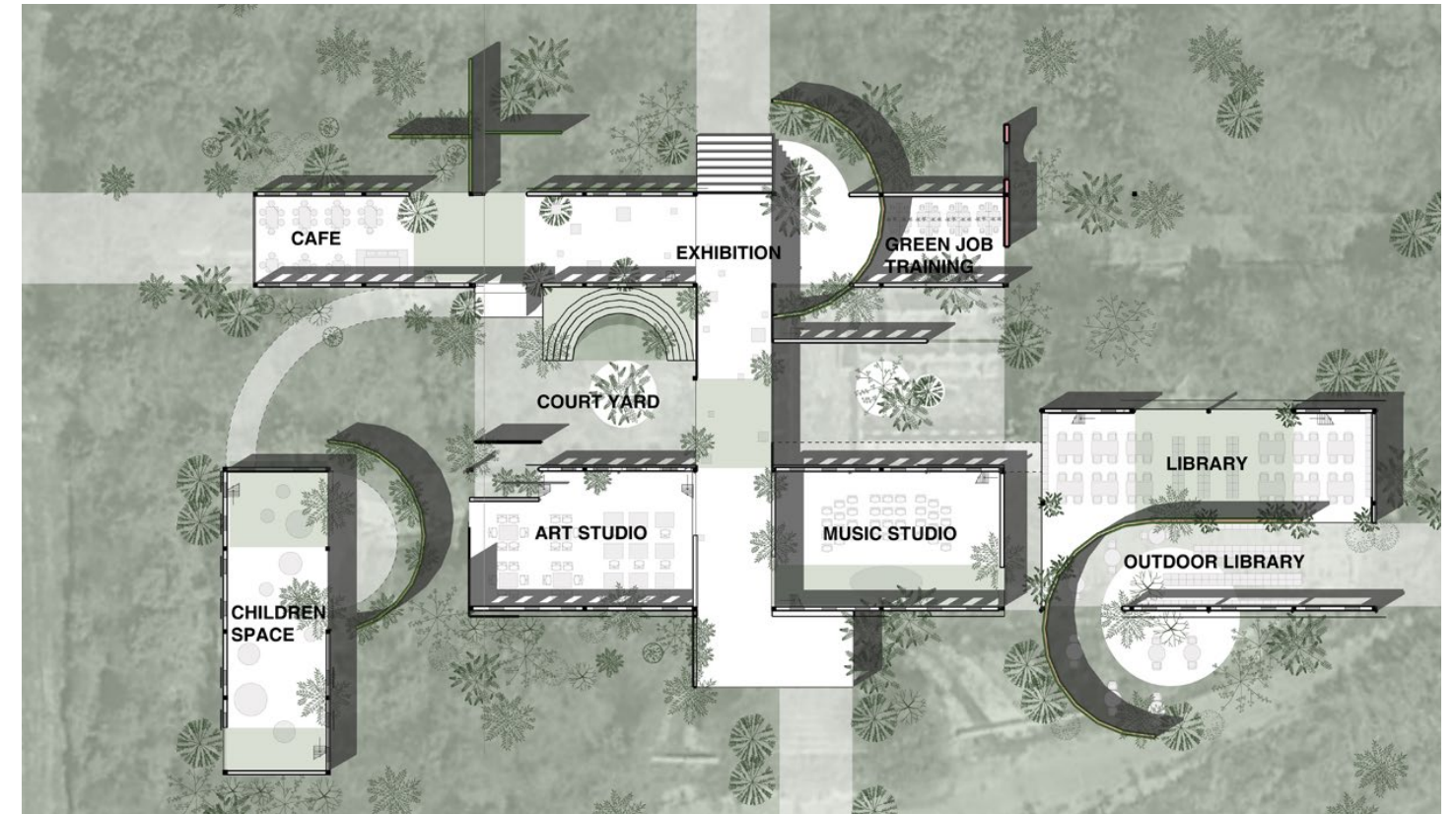
COLLECTIVE CENTER



OLD PRISON FARM



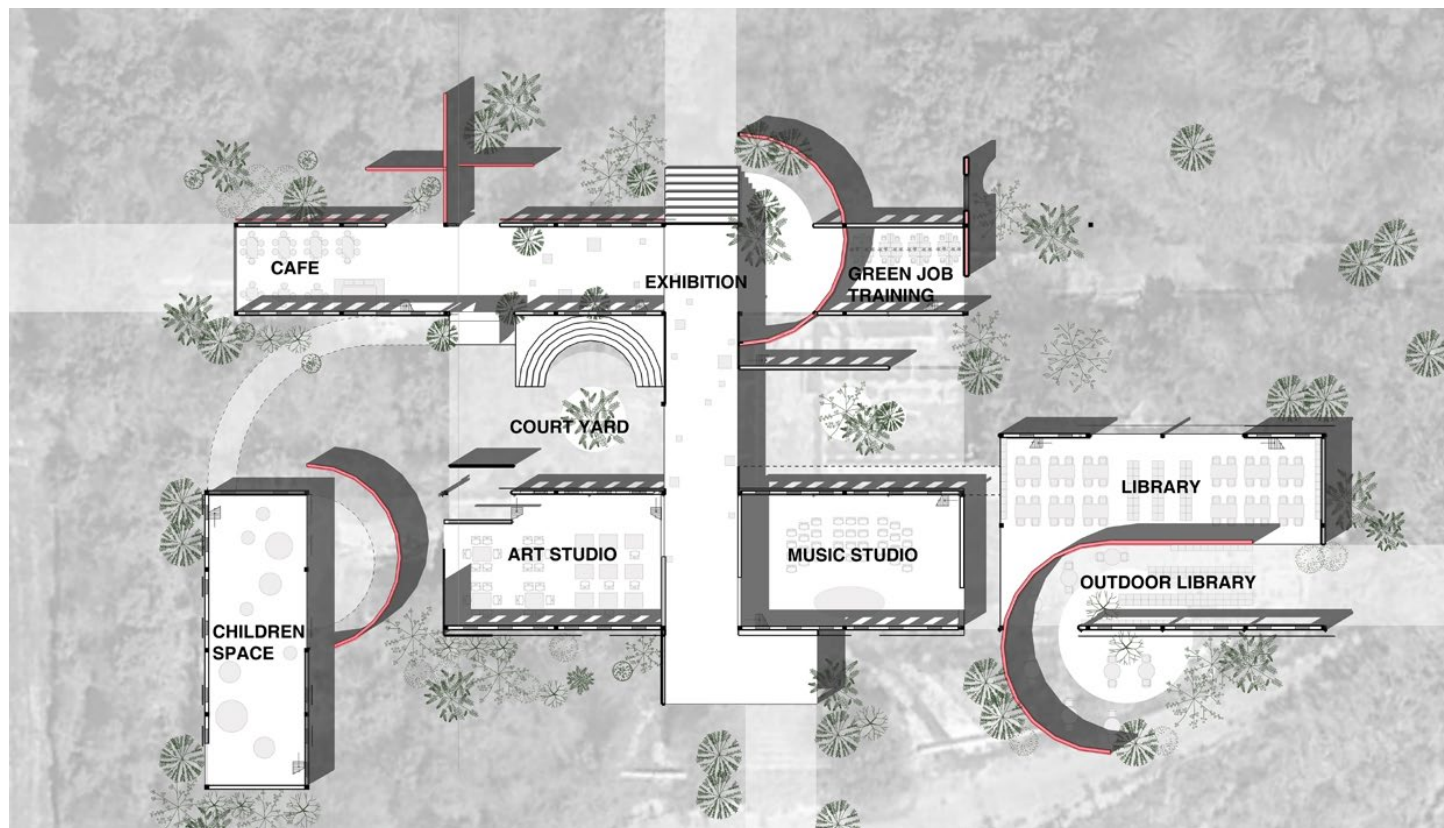
OLD PRISON PLAN



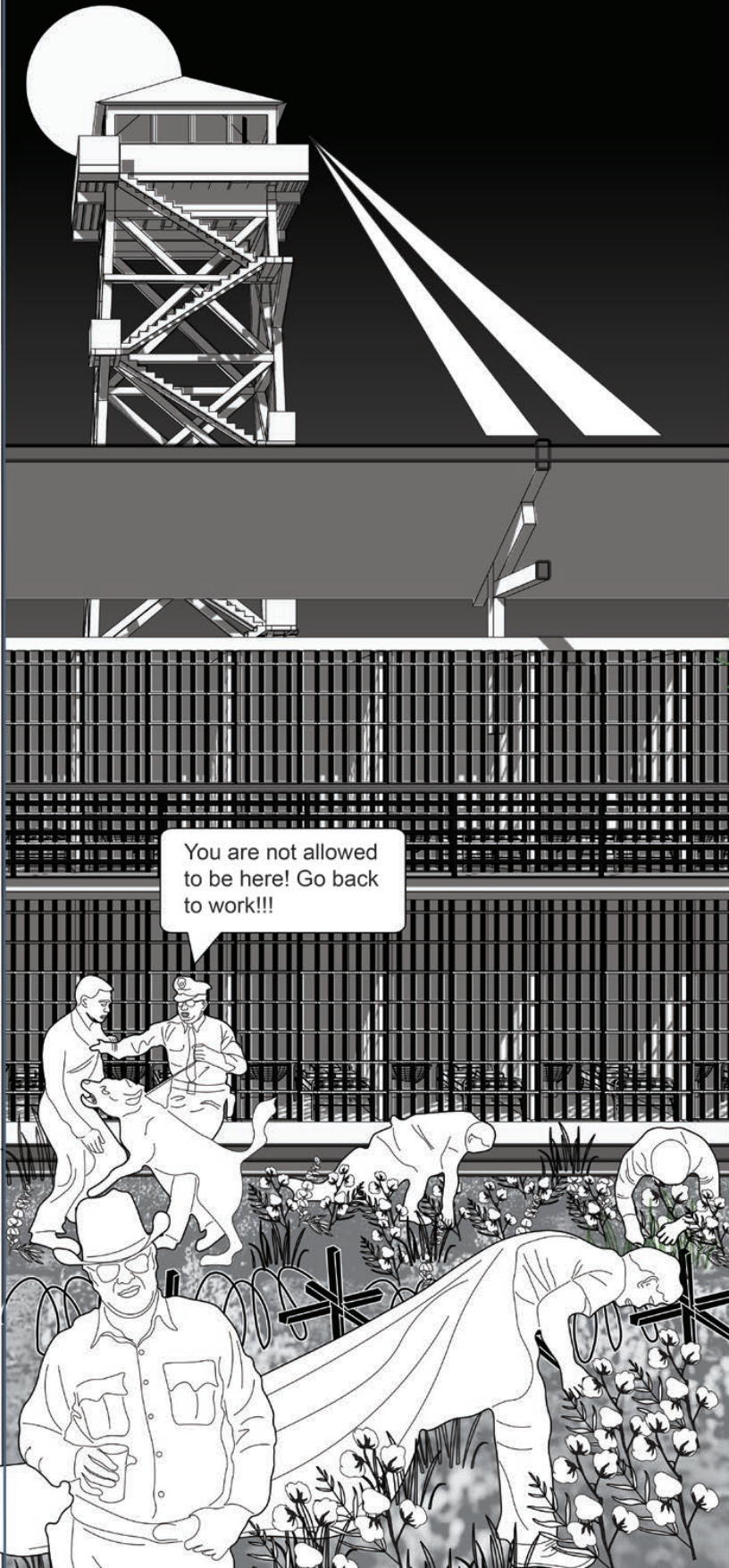
FUTURE PLAN

We repurpose the old prison as the community collective center. Through it, residents can better share knowledge and food. And we used bioplastic to repair some of the old prisons, also added arcs to break the original wall. The building has changed from suffocating to breathing freely. And the connection between people and nature is strengthened.

NEW PLAN



OLD PRISON FARM



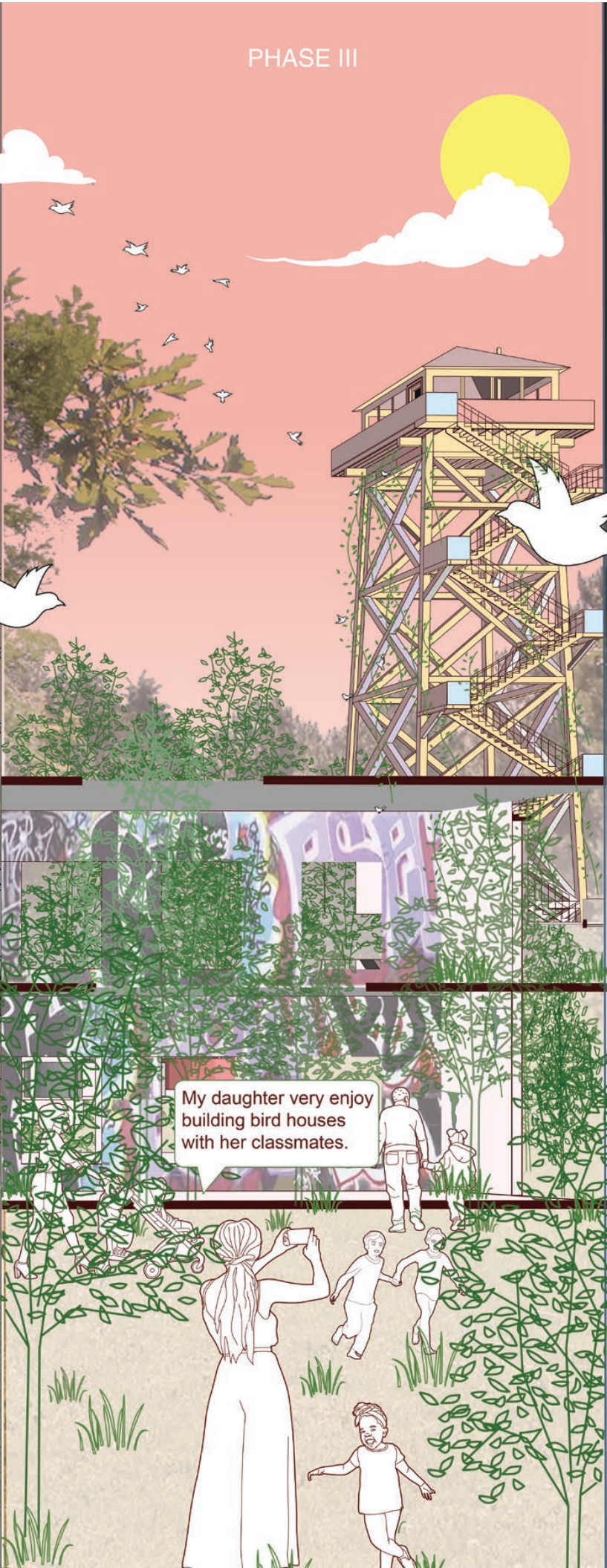
PHASE I



PHASE II



PHASE III



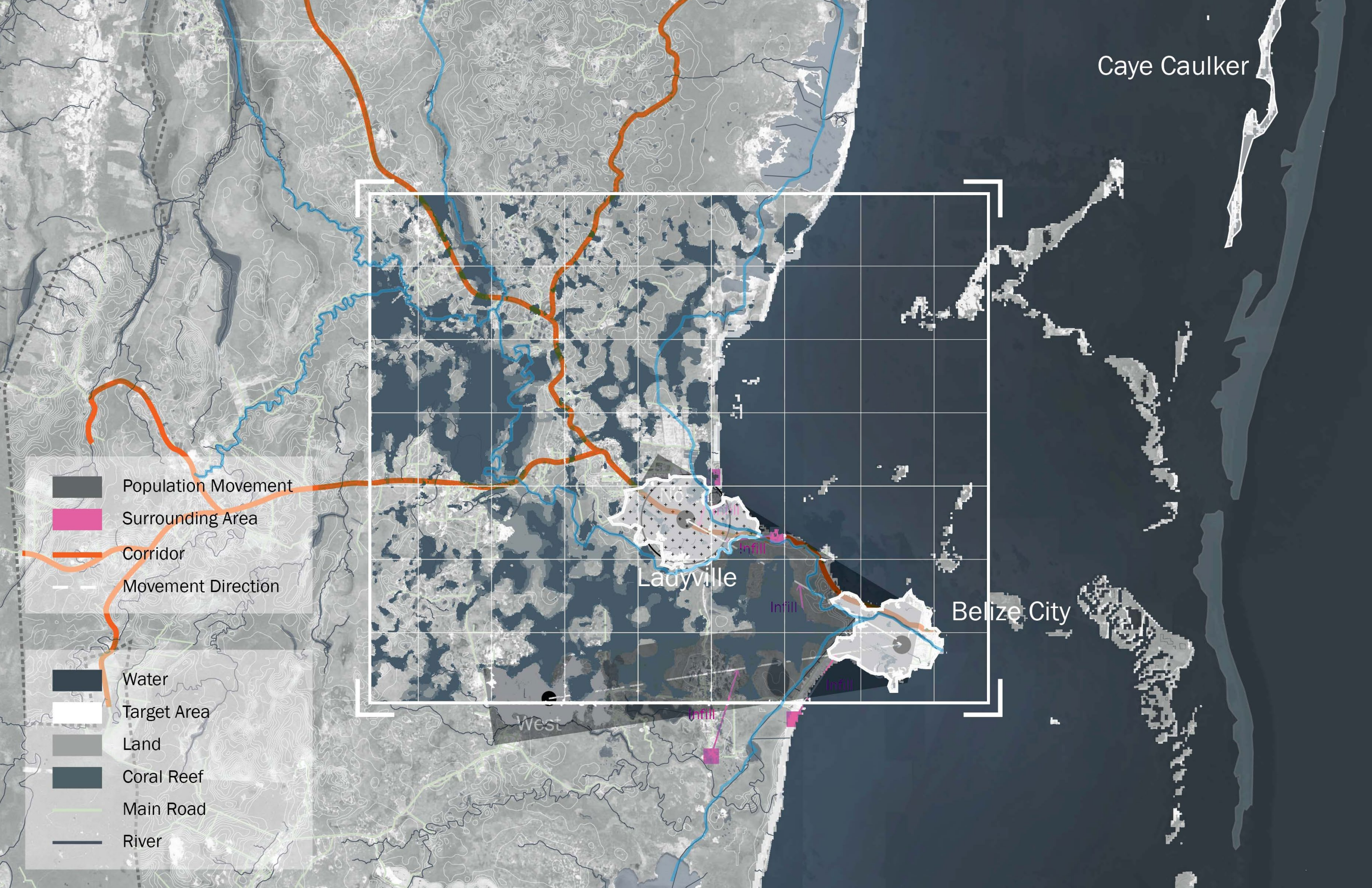


3//WATER SENSITIVE URBANISM

—2080 Ladyville

Columbia University Academic
 Instructor: Kate Orff
 Teamate: Eric Zhu,Shanon Li, Jiayi Zhao
 Year:2022

Ladyville is a suburban village experiencing an influx of population from Belize city and surrounding areas. It is facing the challenges of losing habitats, wastewater pollution, and seawater rise that threaten the livelihood and ecosystem of this area. What if the wetland habitats and natural resources in Ladyville are protected and restored, and the village grows interdependently and sustainably with its natural assets? Thereby, we propose a design framework to manage anticipated growth in Ladyville by implementing the water-sensitive driven design.



Caye Caulker

- Population Movement
- Surrounding Area
- Corridor
- Movement Direction

- Water
- Target Area
- Land
- Coral Reef
- Main Road
- River

Ladyville

Belize City

West

Infill

Infill

Infill

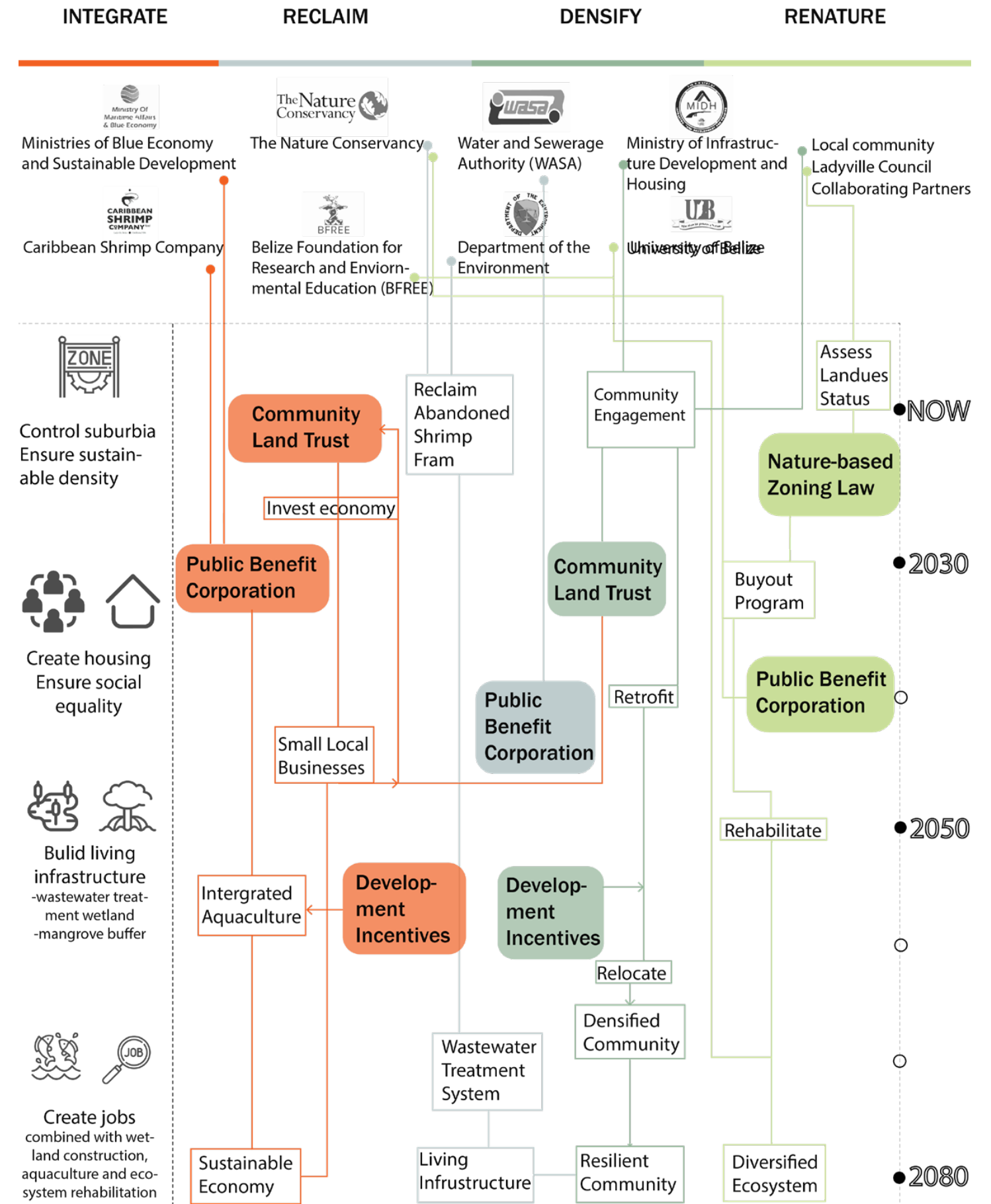
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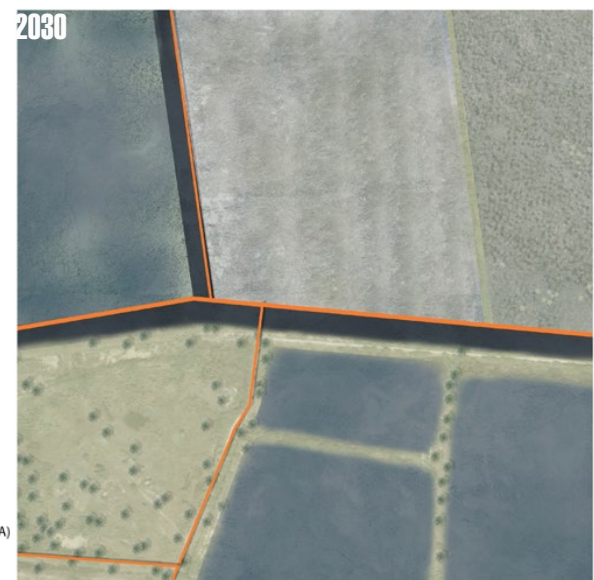
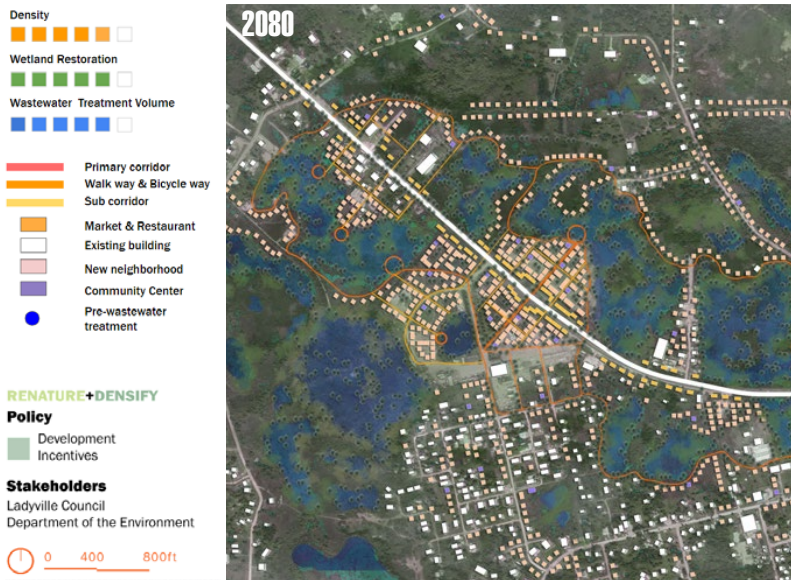
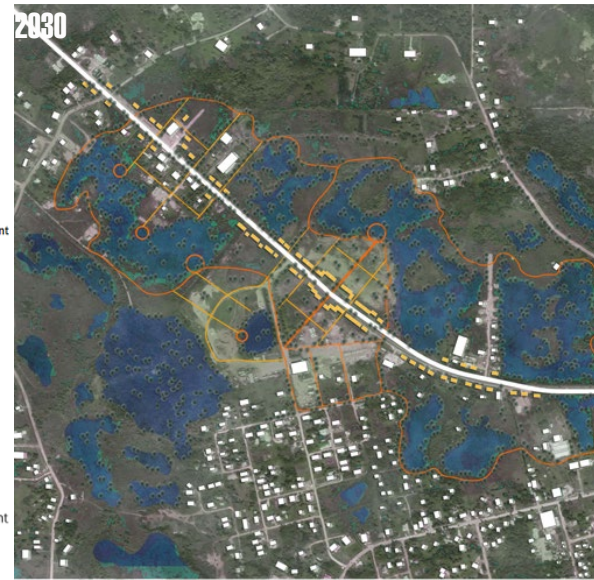


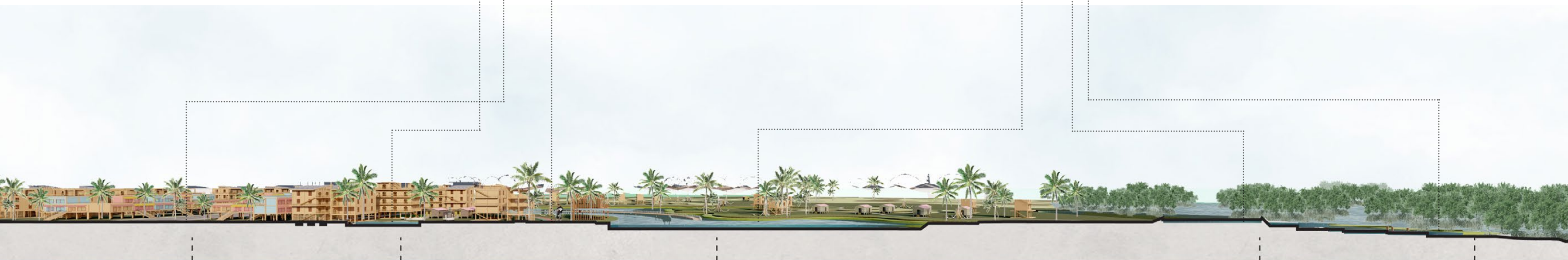
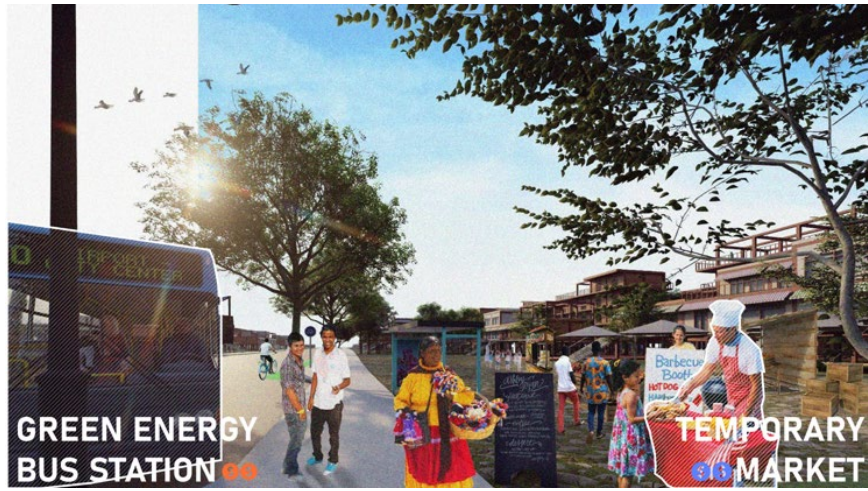
SITE PLAN



POLICY







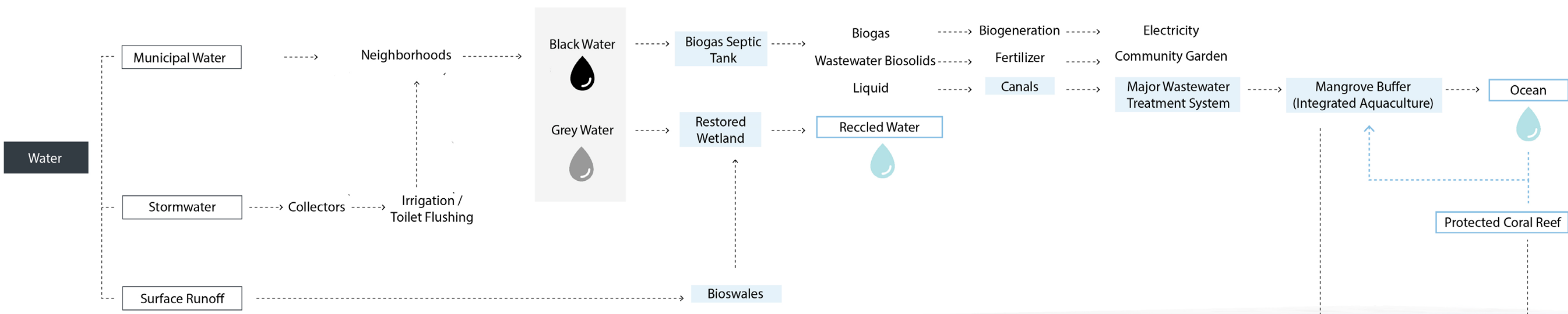
Transit-Oriented Corridor

Community Courtyard

Restored Wetland for Wastewater Filtration

Wastewater Wetland Treatment

Mangrove Buffer



4//OTHER WORKS

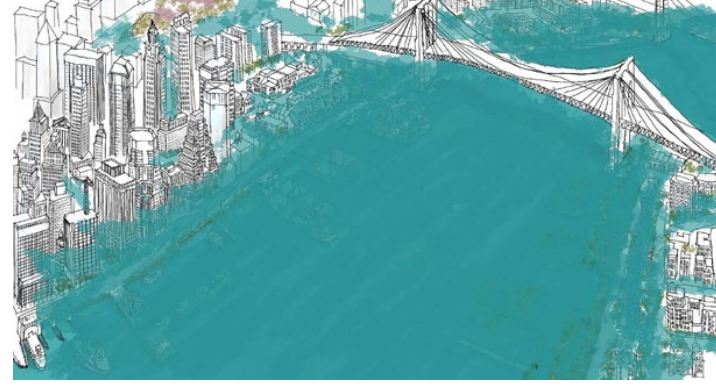
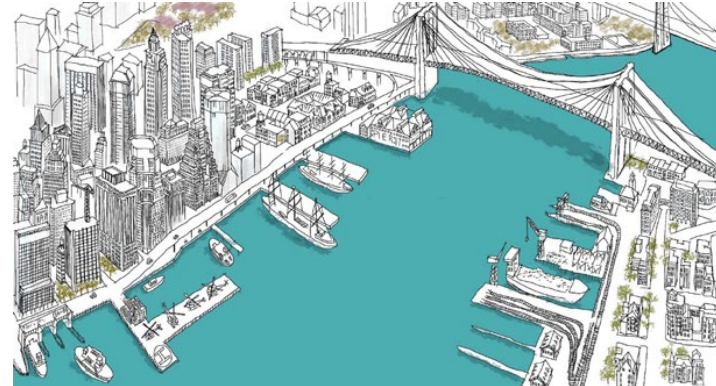
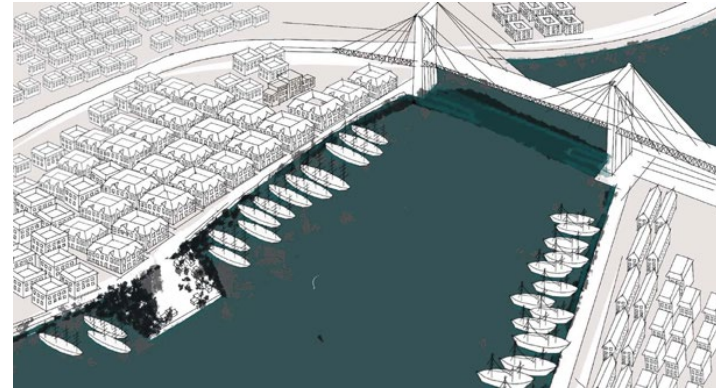
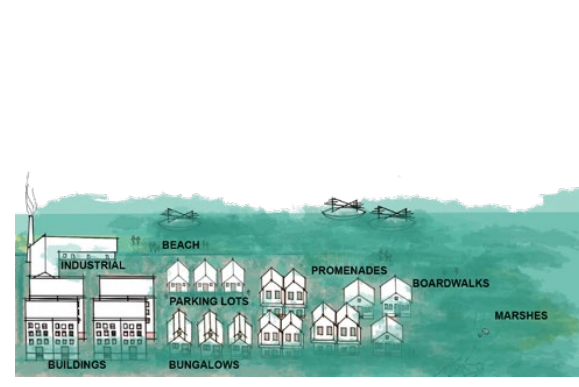
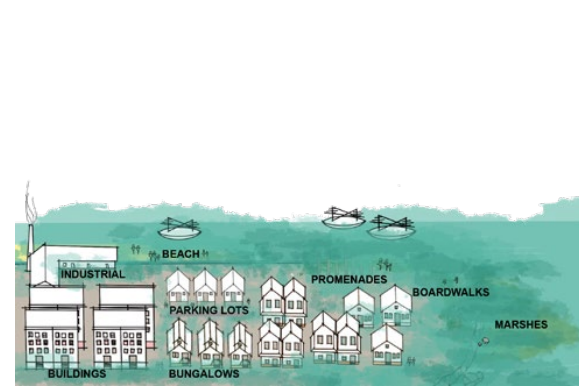
Climate change in our own backyard

Columbia University Academic

Instructor: Thaddeus Pawlowski

Teamate: Danqing Ma, Jolie Villegas, Julia Margaret Boger-Hawkins, Kit Nga Chou

Year:2021

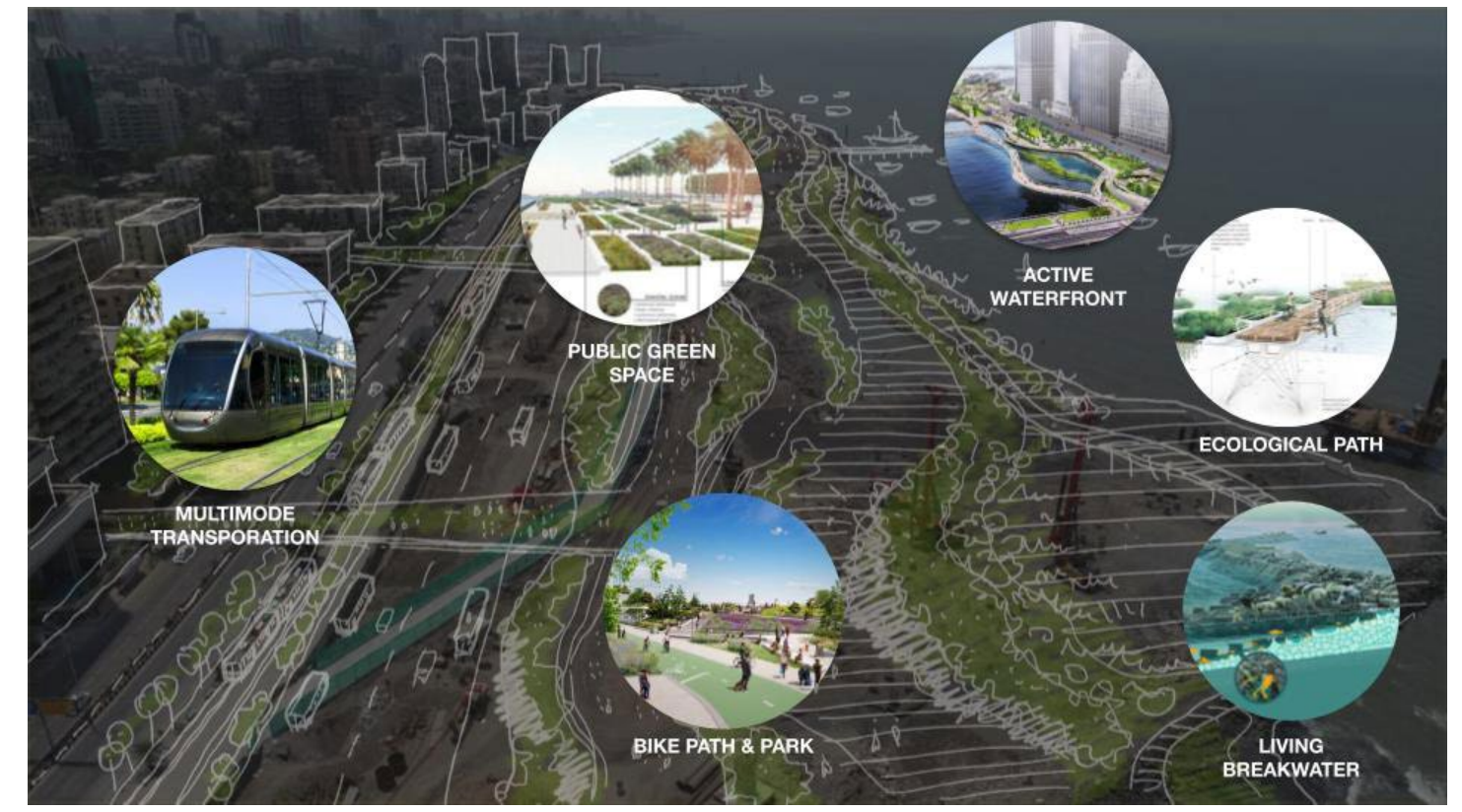
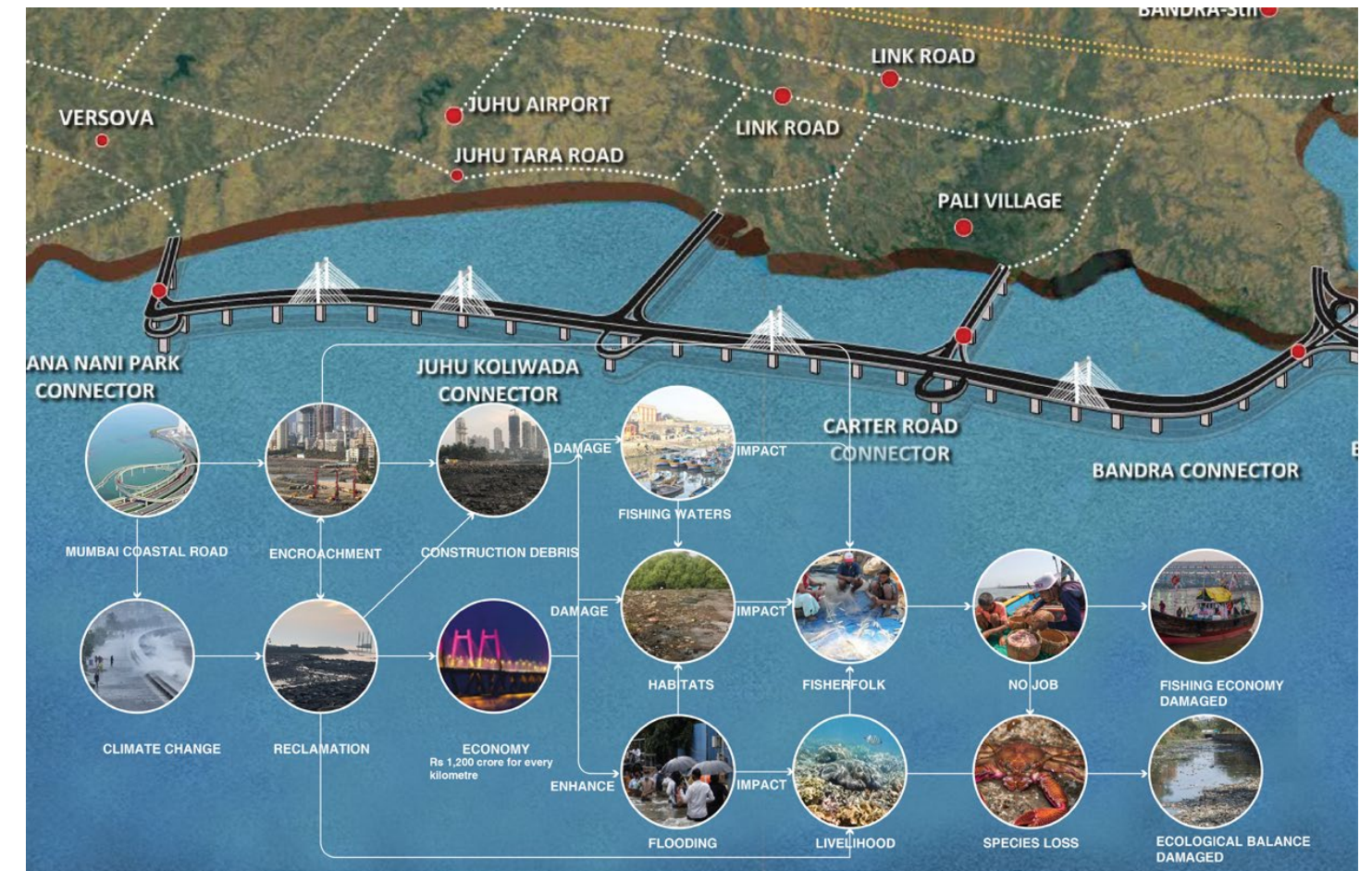


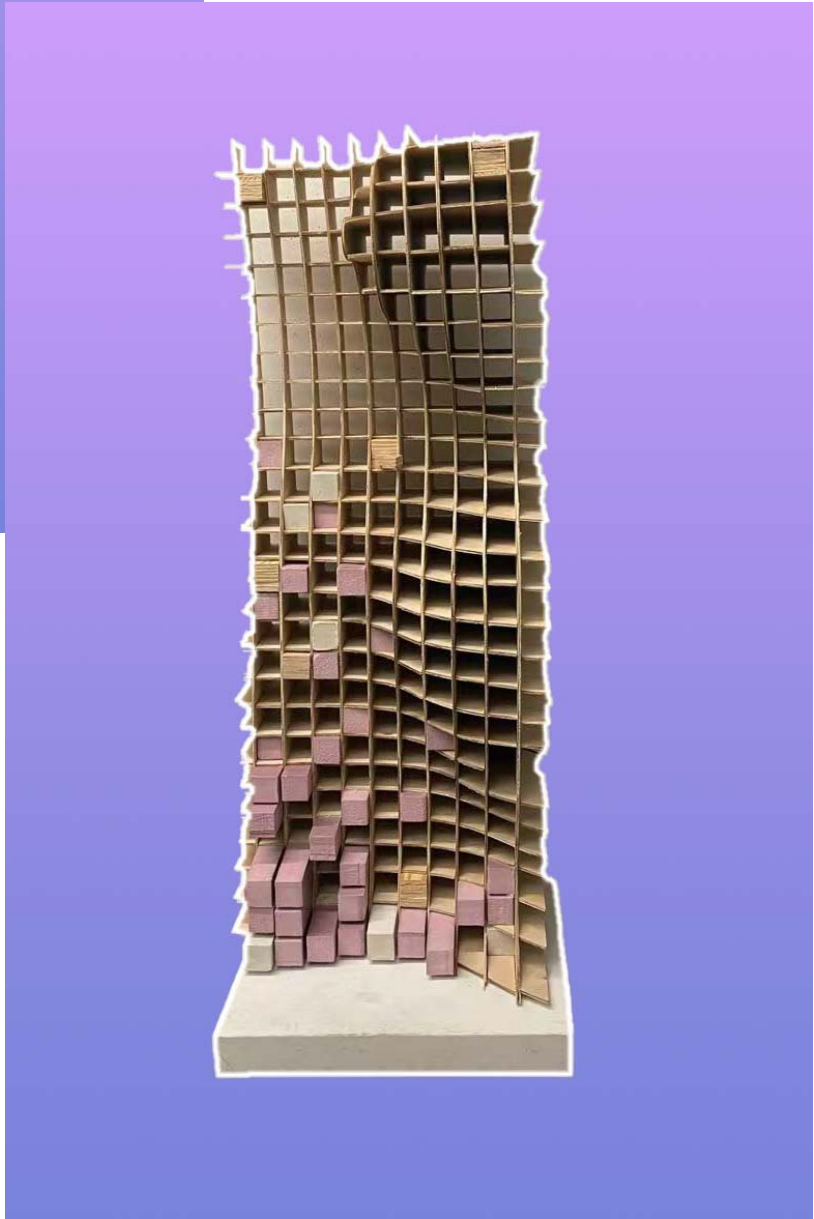
Resilient Coastlines

Columbia University Academic

Instructor: Kate Orff

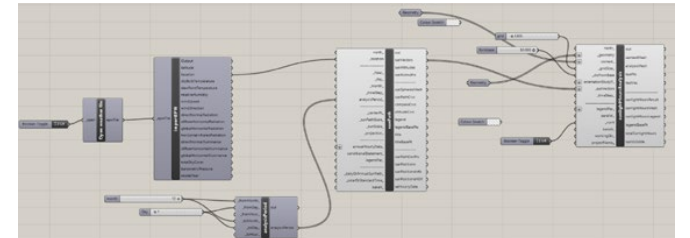
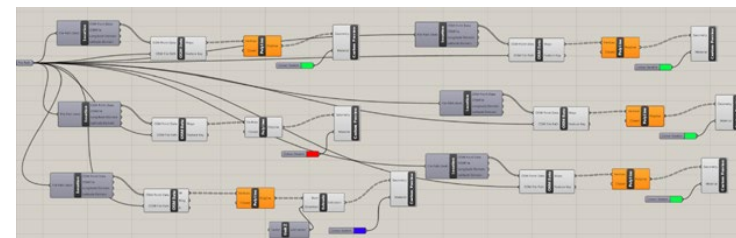
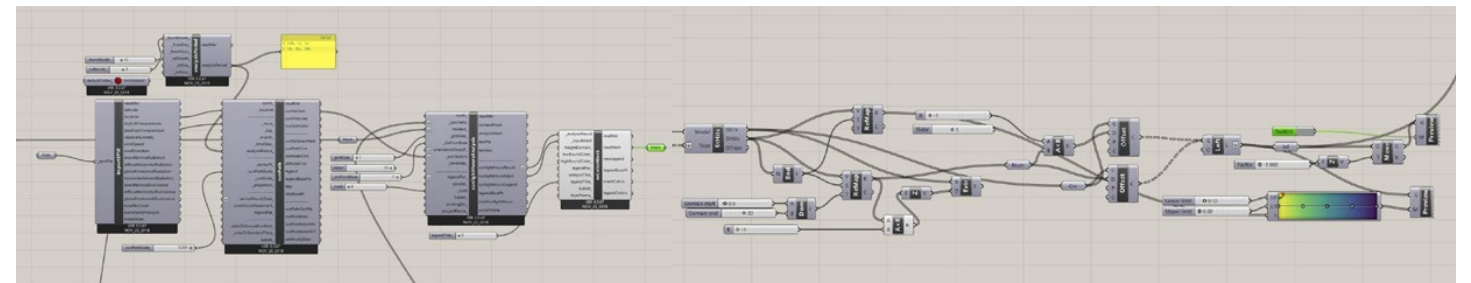
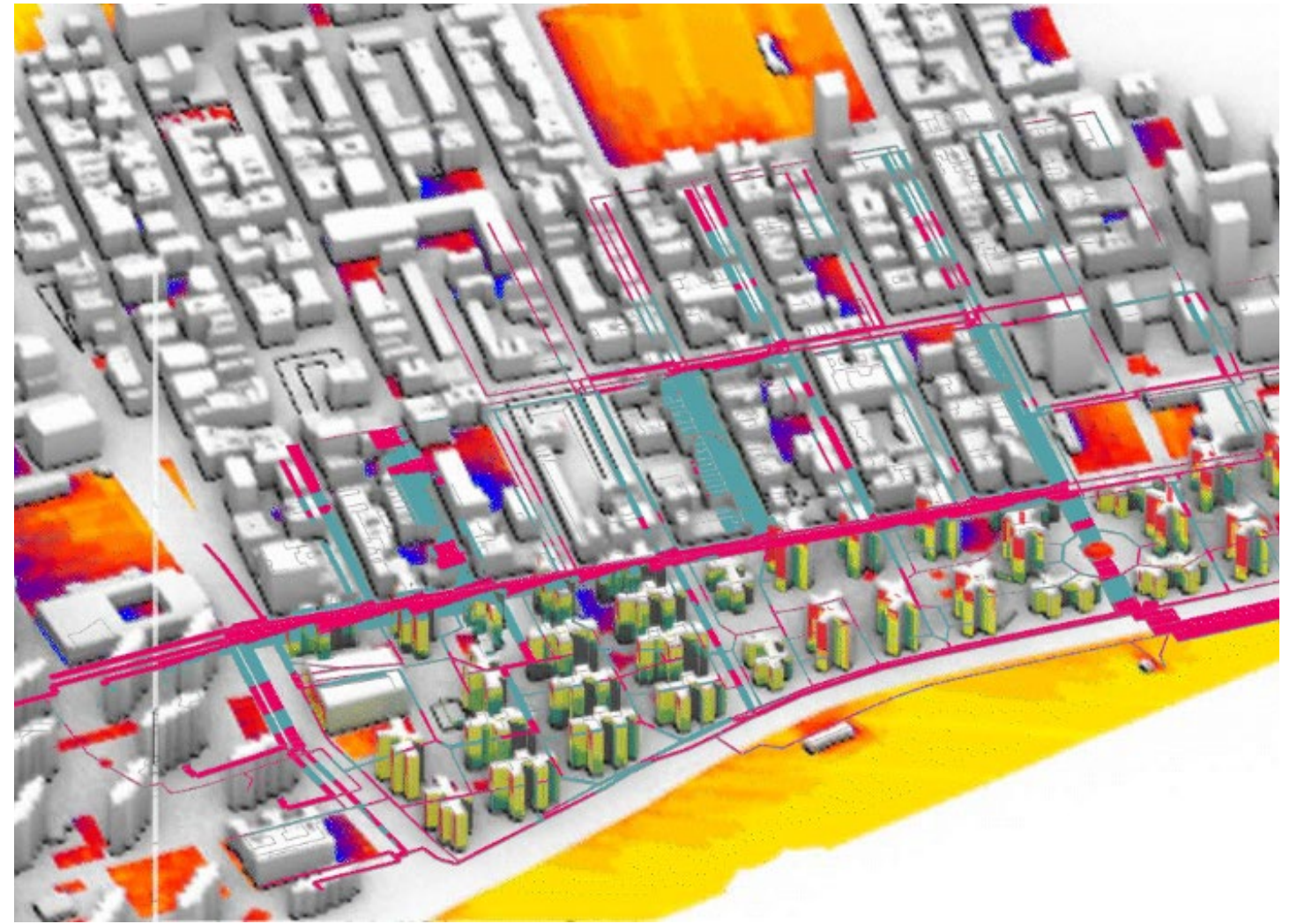
Teamate: Achmad Maulana, Shannon Li





1:1 Crafting and Fabrication of Details

Columbia University Academic
 Instructor: Zachary E. Mulitauaopele
 Teamate: Jiayi Zhao
 Year:2021



Data mining the city

Columbia University Academic
 Instructor: Hsienhsin Chou
 Teamate: Max Cai,Zida Liu
 Year:2022