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A SLOW CITY:

RETHINKING FERIZAJ'S INFRASTRUCTURES,
LANDSCAPES & URBANISM

A Slow City
Rethinking Ferizaj's Infrastructures, Landscapes & Urbanism
Master Thesis
Research by design

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Sustainable Architecture and Landscape Design
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Piacenza



POLITECNICO
MILANO 1863

CONTENT

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A rail that made a city
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Water

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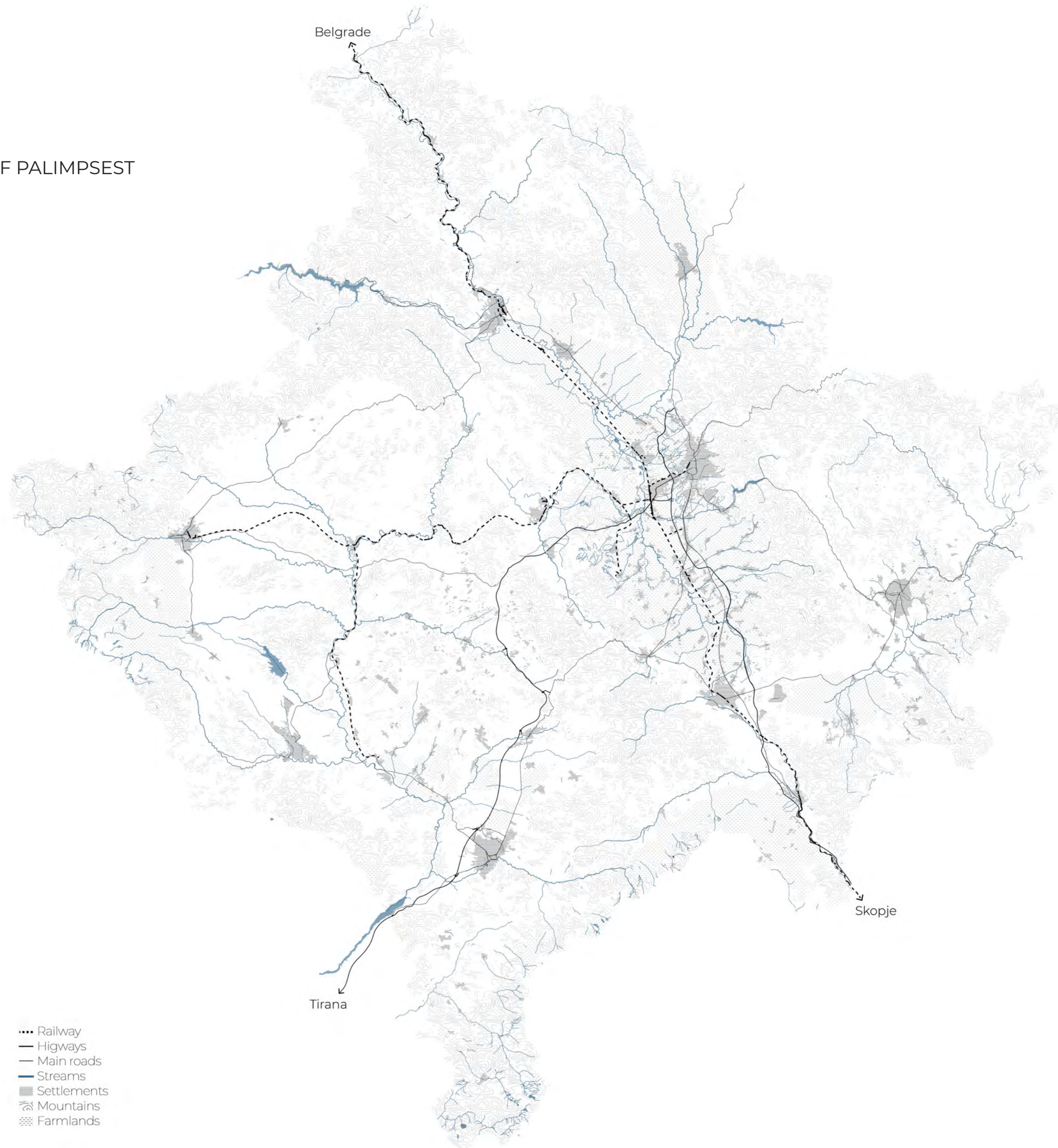
Mobility System
Building System
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ZOOM-IN DESIGN

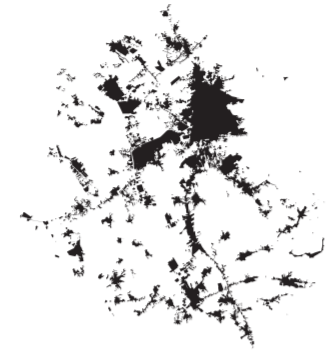
City Centre
Green-edge
Agri-edge

CONCLUSION

KOSOVO
10,887 km²
1.873 million
A LAND OF PALIMPSEST



KOSOVO
10,887 km²
1.873 million



PRISHTINA
523.13 km² | °4
198,897 | °1



PRIZREN
626.86 km² | °1
177,781 | °2



PEJA
602.63 km² | °2
96,450 | °4



GJAKOVA
586.91 km² | °3
94,556 | °5



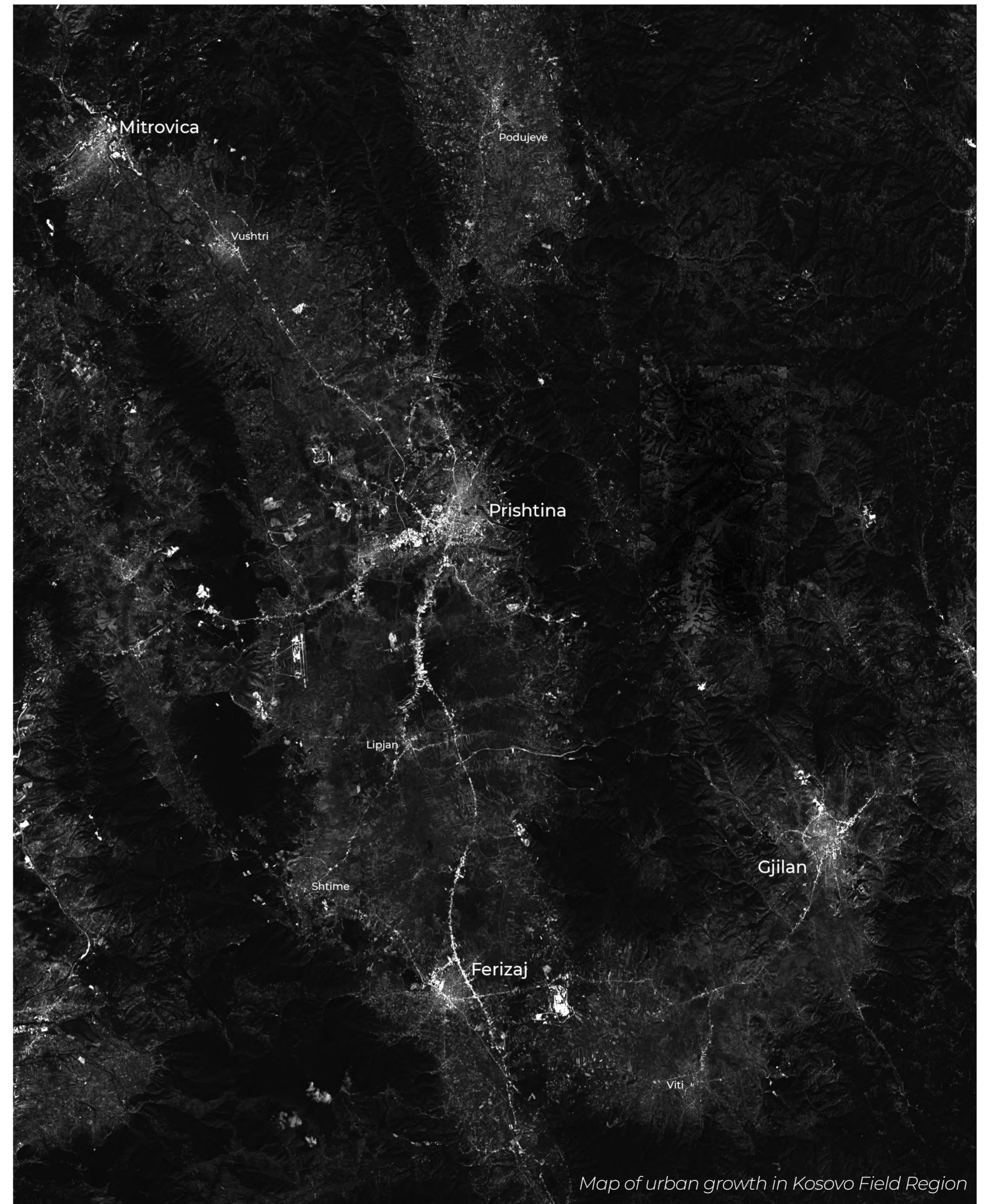
GJILAN
391.84 km² | °5
90,178 | °6



FERIZAJ
345 km² | °6
108,610 | °3



MITROVICA
331 km² | °7
84,235 | °7



Map of urban growth in Kosovo Field Region

A RAIL THAT MADE A CITY



Map with a photo of Ferizaj Railway, 1903
Photo credits: ©Franz Baron Nopcsa

A rare case how a city was established on the basis of the construction of the railways. The development of the city had been on both sides of the railway, and the railway has played and plays a vital role in the lives of the citizens of Ferizaj.

WHAT STAYS? WHAT GOES?



1985



2004



2020



2021

Goddess of Varosh
oldest known artefact coming from Vinca culture, the item indicates a cult of womanhood

Necropolises ruins
archeological evidences of tombs are found near Gërricë & Mollopoc

Old Roads
Prishtina (Ulpiana) & Skopje

Catholic Churches
ruins of churches are present at Nikočin Archeological site

Mills & Farms
agriculture and wheat cultivation was the most important activity
Bifurcation of Nerodime and its streams were the main resources
The oldest Mill, still active today is the Mill of Nika

Railway Construction
first major event that transformed a village into a developed city
The railway served as the main route between Belgrade and Thessaloniki

First Mosque
after being bombed during WW2, it was rebuilt in 1942
currently active, in the courtyard with the orthodox church

Catholic Church
the original building was demolished but built later in 1926

4000BC 280BC 96BC 4AD XVI 1873 1881 1889

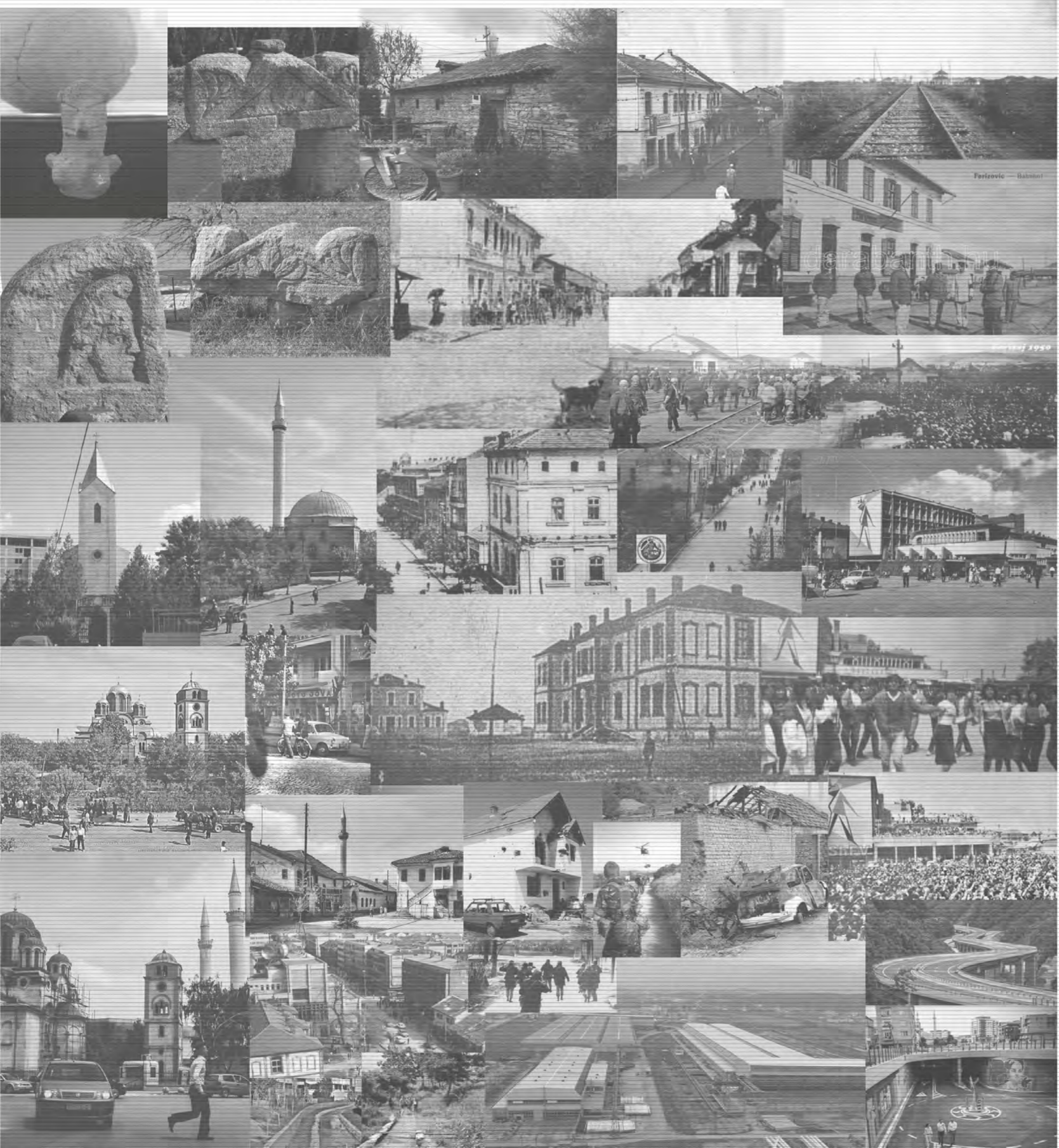
Dardani

Ottoman

Yugoslavia

Serbian regime

post-war



1912 City Library "Sadik Tafarshiku" Building
library is active since the 50s with 4000 readers per year

1923 First School Building
currently abandoned, worked as "Ismail Qemali" & "Tefik Canga"

1933 First Orthodox Church
currently active, in the courtyard of the mosque

1935 First Library Building | Archive
currently degraded and used as city archive

1947 Tefik Çanga Wood Factory
active since the 40s, used to export chairs worldwide, now is privatized and commercialized

1960 Hotel Lybeten
currently degraded, modernist iconic building with high importance to the city's identity
its front facade holds a famous mural known as "the waiter" since the 60s

1969 Minex Peanut Factory
currently active as a large factory producing peanuts, flips, biscuits etc.
the building changed from the original architecture

1977 Post Office
currently active as the main post office of the city
modernist building

1979 Bankos Administrative Center
currently active as mixed used building
modernist building

1982 Palace of Sports
currently active as the main sports center
modernist building

1991 Toni Concrete Factory
currently active as one of the biggest concrete factories in Kosovo

1998 war damages
burned areas & neighborhoods

1999 Camp Bondsteel
main base of the US Army under KFOR command

2016 R 6 Motorway "Arbër Xhaferi"
Prishtina-Skopje Route links Ferizaj in the infrastructural grid of the region

2018 "The Village"
Outdoor Shopping Center on the location of now demolished Wood Factory "Tefik Canga"

2019 Rehabilitation of Route 10
Railway Project of connection between Balkans & Europe
it is funded by funded by WBIF & EU

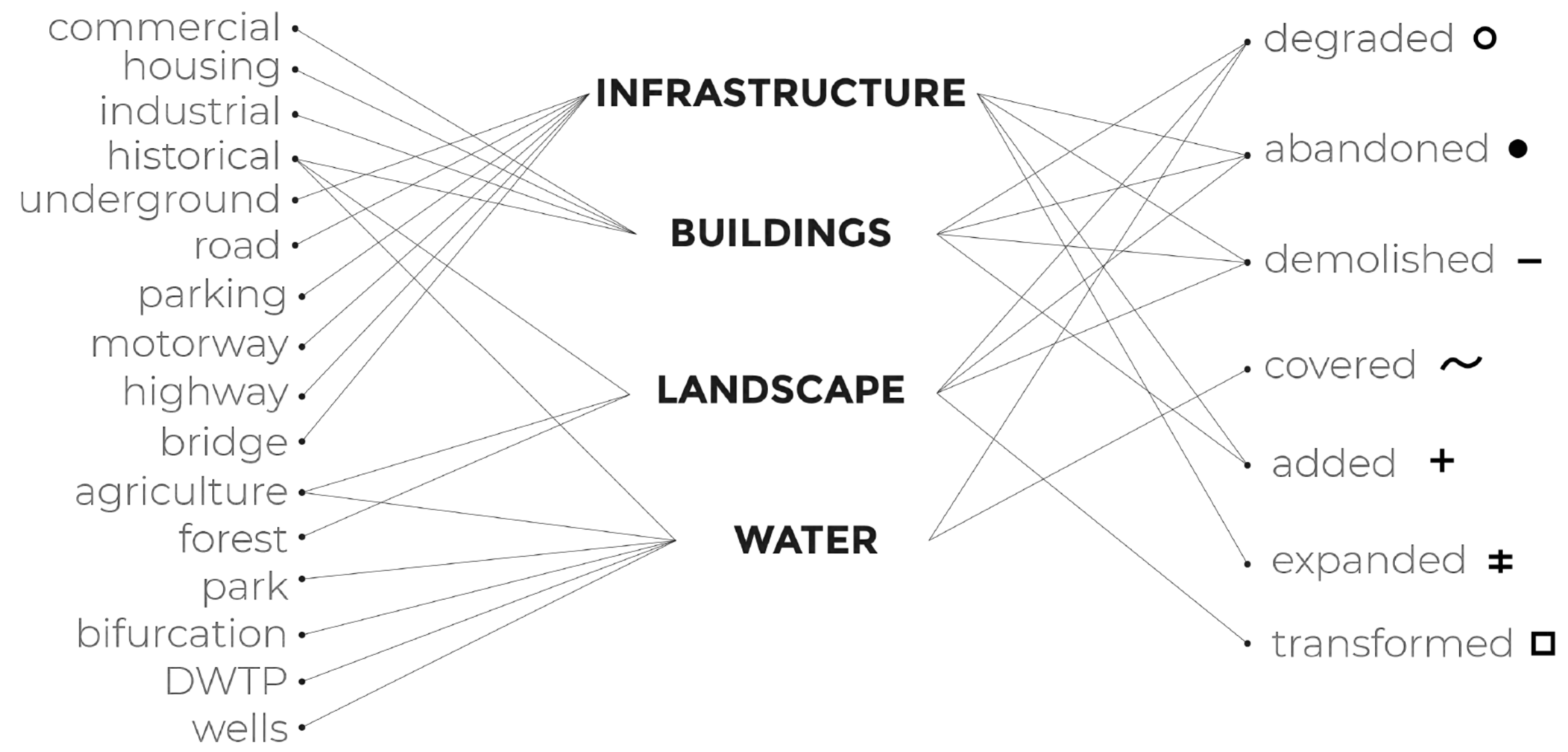
2021 Project " Bashkimi Qytetit"
Major Underground Infrastructure that tends to connect the city from two sides of the railway

1991 1998 1999

2016 2018 2019 2021



METODOLOGY MODEL

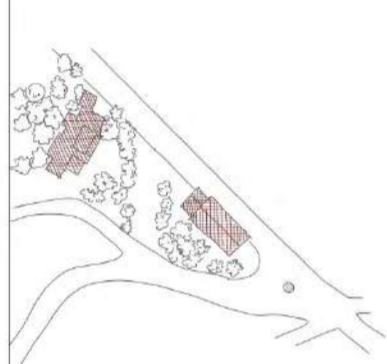


TRANSFORMATIONS IN THE CITY CENTRE

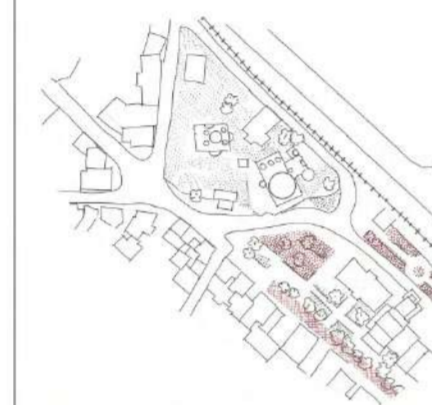
2003



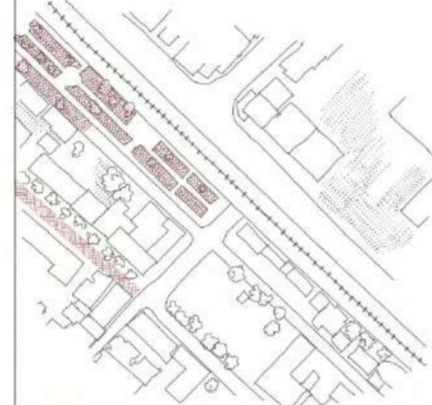
+ roundabout



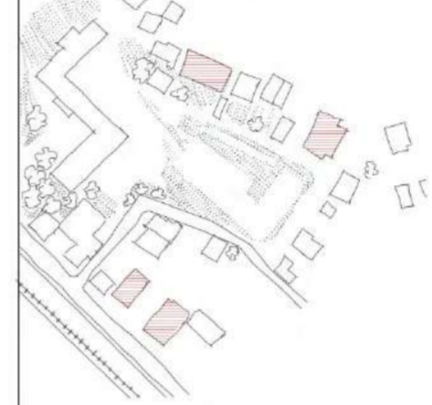
□ road transformed into pedestrian boulevard



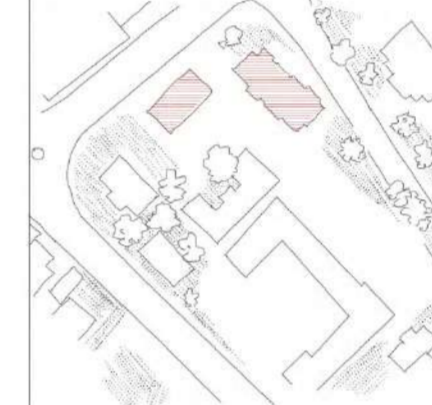
□ road transformed into pedestrian boulevard



+ commercial use buildings
+ residential highrise buildings



- residential 6-story building
+ residential highrise building



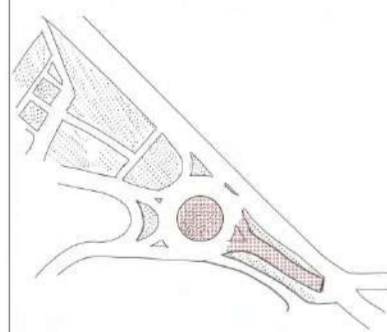
- demolition of vegetation
- demolition of the wood factory "Tefik Canga"
+ residential highrise buildings
+ commercial use buildings
+ huge parking area



2015



○ degraded vegetation
- kindergarten & park demolition
+ roundabout, roads & underground infrastructure



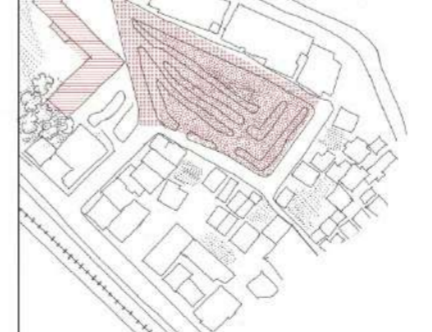
○ degraded vegetation
- city park demolition
+ underground infrastructure with roads and parking



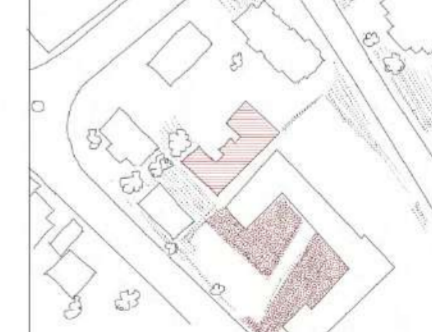
○ degraded vegetation
○ degraded historic buildings
- city park demolition
+ underground infrastructure with roads and parking



○ degraded vegetation
○ degraded school building
- school park demolition
+ new road & parking space



● abandoned old school
○ degraded vegetation
- removal of internal parking
+ new school lawn



- demolition of last wood factory piece left - chimney
+ commercial buildings
+ outdoor shopping mall "The Village"



2021



TRANSFORMATIONS AT THE CITY EDGES

2003



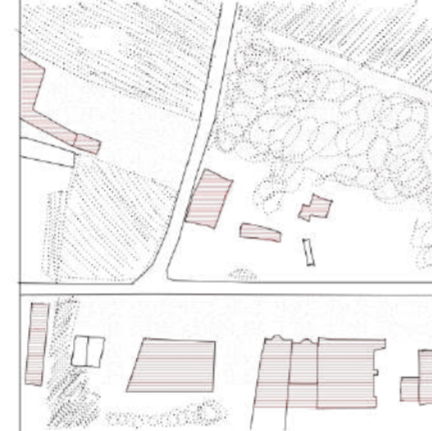
□ loss of agricultural lands
+ commercial areas



□ loss of agricultural lands
+ commercial buildings



□ loss of agricultural lands
+ commercial areas



2015



○ degraded vegetation
● abandoned lands
□ loss of all agricultural lands
+ commercial areas



○ degraded vegetation
● abandoned lands
□ loss of all agricultural lands
~ degraded stream



○ fully degraded vegetation
● abandoned lands
□ loss of all agricultural lands
+ commercial areas



2021



○ fully degraded vegetation
● abandoned lands
□ loss of all agricultural lands
+ commercial areas



○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



~ degraded stream
+ individual housing



○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



~ degraded stream
○ degraded landscape



○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



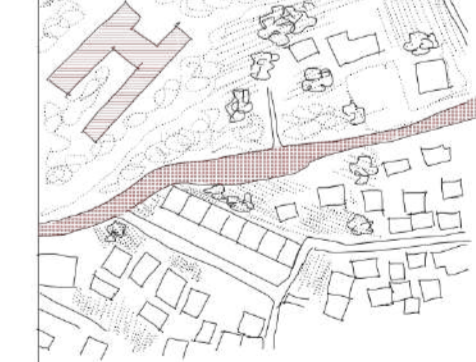
○ fully degraded landscape
~ fully covered stream
□ loss of all agricultural lands
+ individual housing



~ degraded stream
+ high school buildings
+ individual housing
+ roads



~ fully covered stream
+ high school buildings
+ road expansion



~ fully covered stream
+ high school buildings
+ road expansion

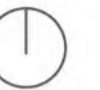


An aerial photograph of a city with a network of roads and infrastructure overlaid in a dark grey color. The roads are highlighted with varying line thicknesses, indicating different levels of infrastructure. The background shows a dense urban grid with buildings and some green spaces.

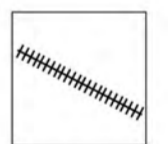
INFRASTRUCTURE

Analytical Research

ANALYSIS
INFRASTRUCTURE
Analytical Map



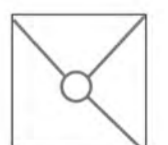
1km grid



railway



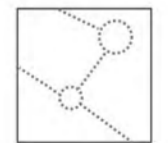
motorway



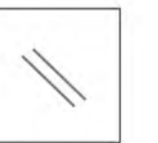
roads



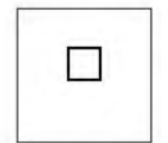
parking



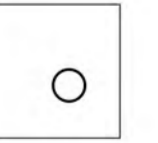
underground



bridge

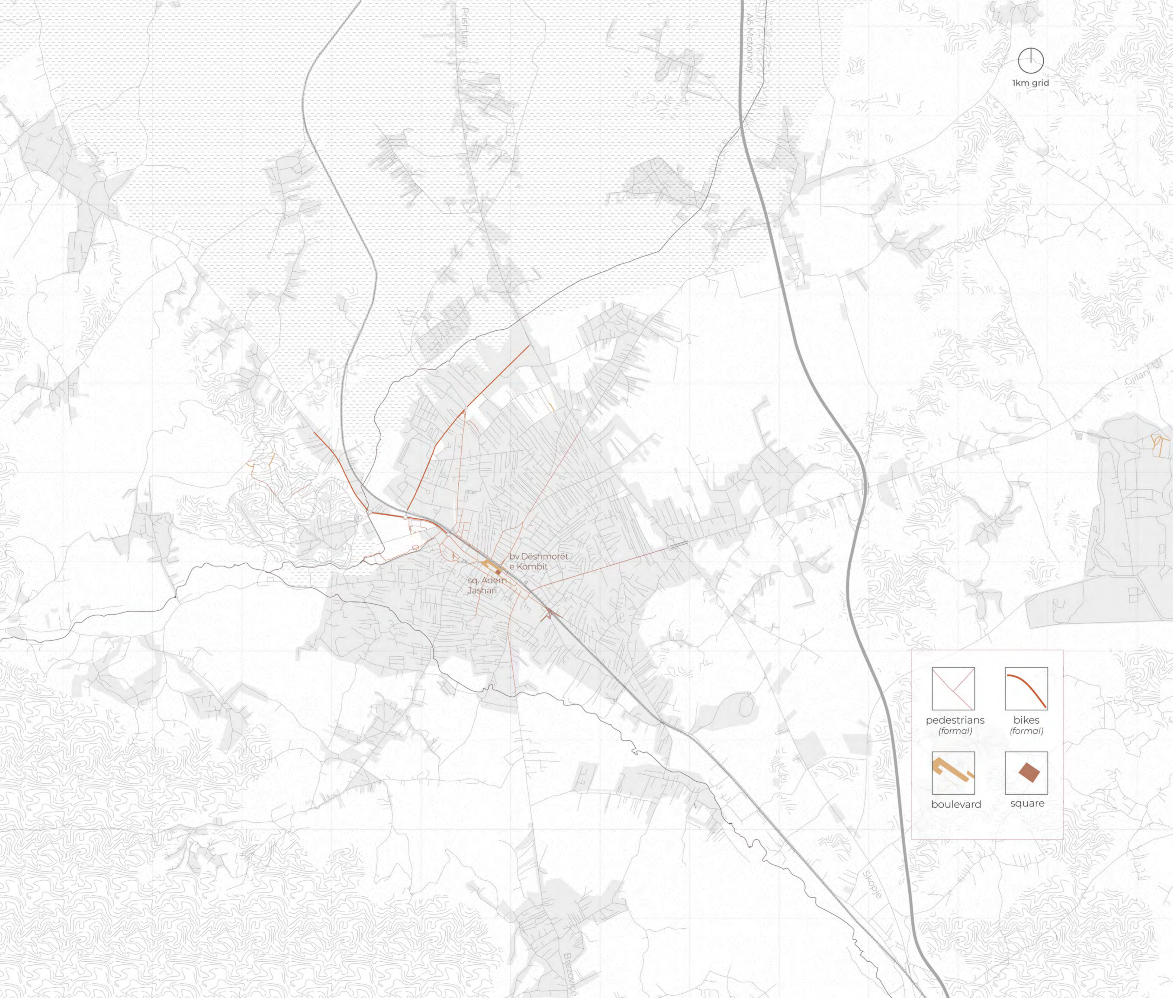


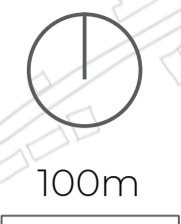
bus station



train station

SOFT MOBILITY
Analytical Map





ROAD TYPOLOGIES



street
BRAHIM ADEMI

street & bv
DËSHMORËT
E KOMBIT

street
AHMET KAÇIKU

underground
PASSAGES FOR PEDESTRIAN

underground
PASSAGES FOR CARS

TRAIN STATION

current
BUS STATION

street
12 QERSHORI

square
ADEM JASHARI

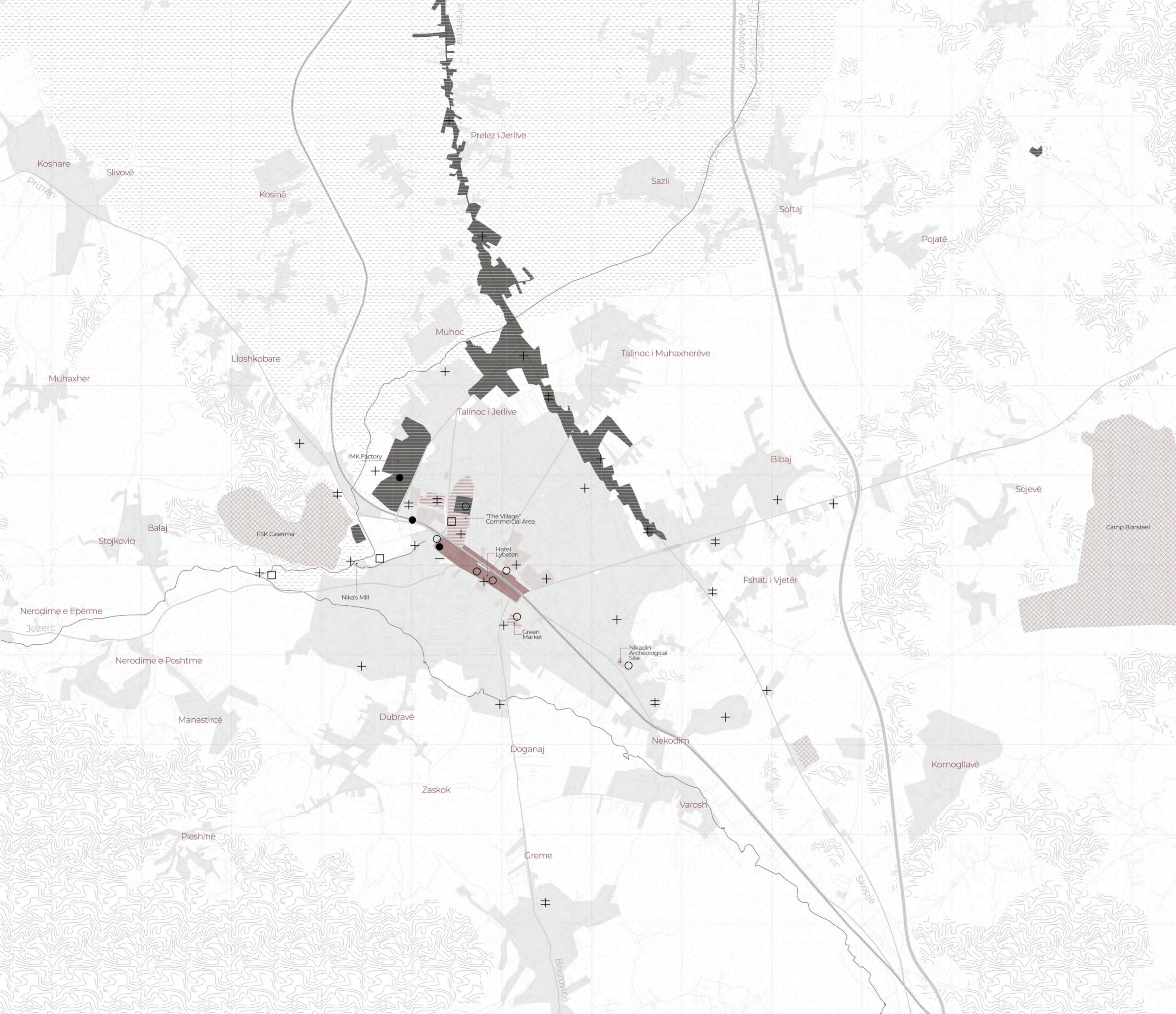
street
REXHEP BISLIMI

BUILDINGS

Analytical Research



ANALYSIS
URBAN FABRIC
 Analytical Map



- | | |
|---------------------|--------------------|
| | |
| military | mix-used center |
| | |
| industrial | public residential |
| | |
| commercial | archeological |
| | |
| private residential | villages |



Individual Housing
Mixed-use Public Housing

HOUSING



Industrial Factories
Commercial

ECONOMY



Religion
Schools
Cultural

CULTURE



Military
Stations
Municipality Functions
Hospital & Clinics
Other services
Indoor Sport Halls

SERVICE



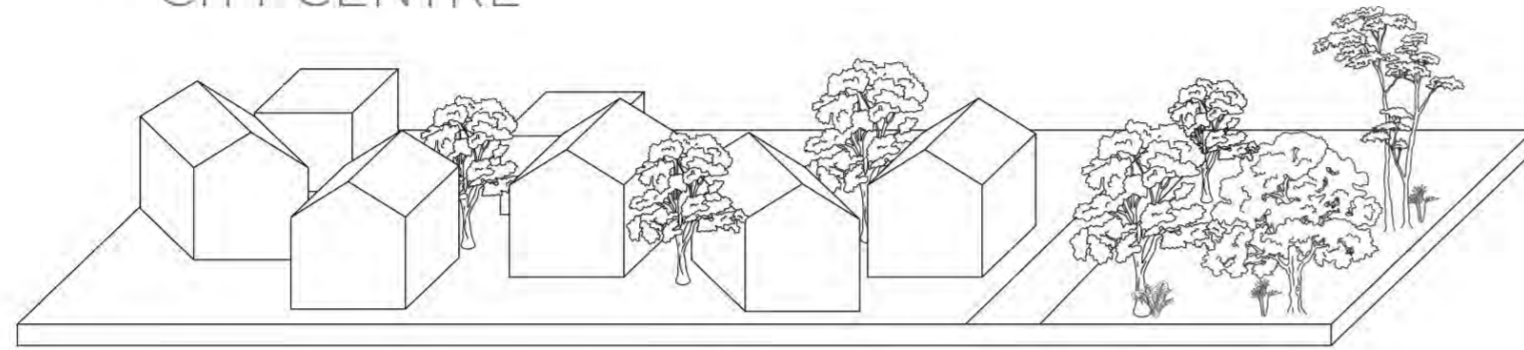
URBAN GROWTH IN 2022



URBAN GROWTH IN 2042



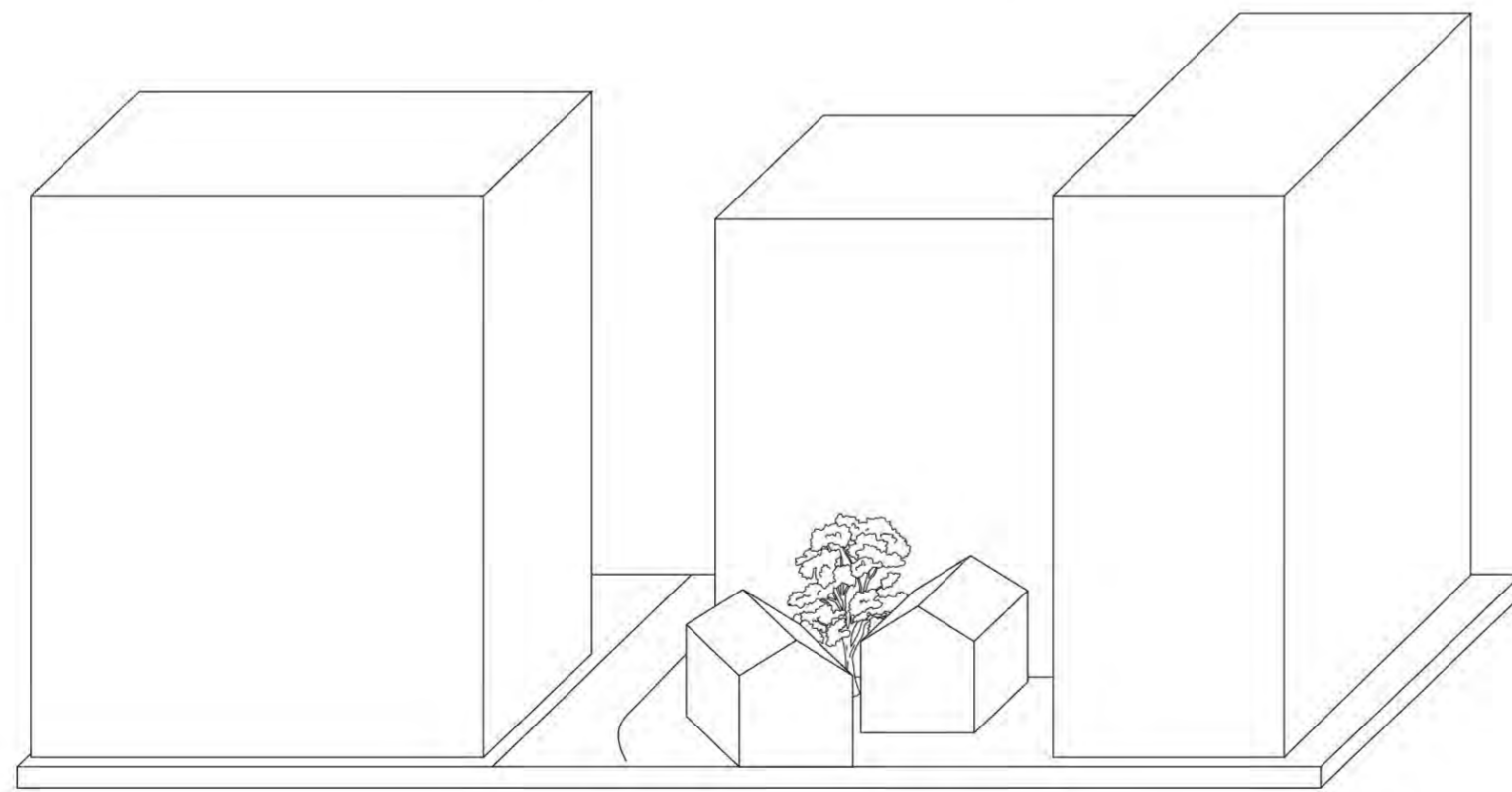
CITY CENTRE



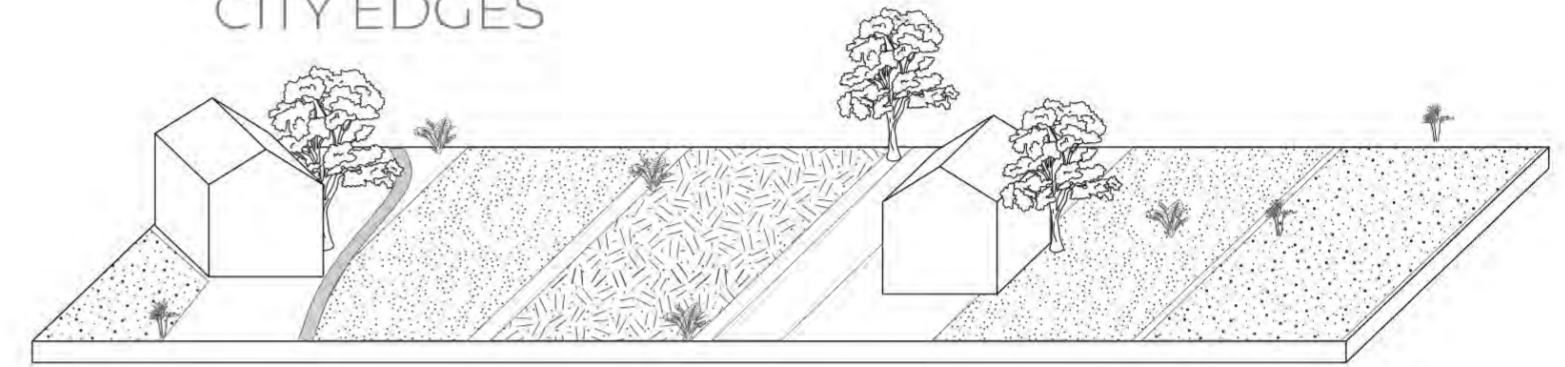
individual housing and public space



public housing, commercial areas, no public green space



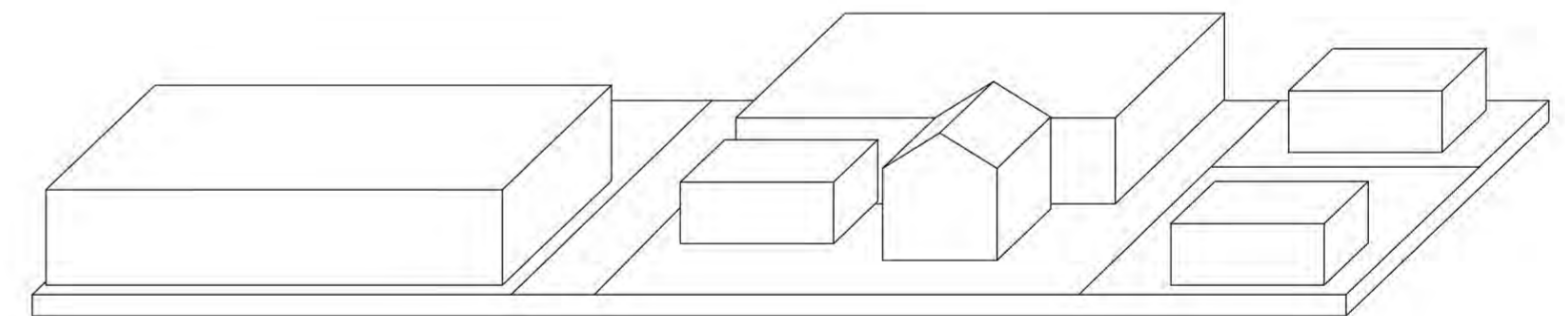
CITY EDGES



individual housing, agriculture, streams

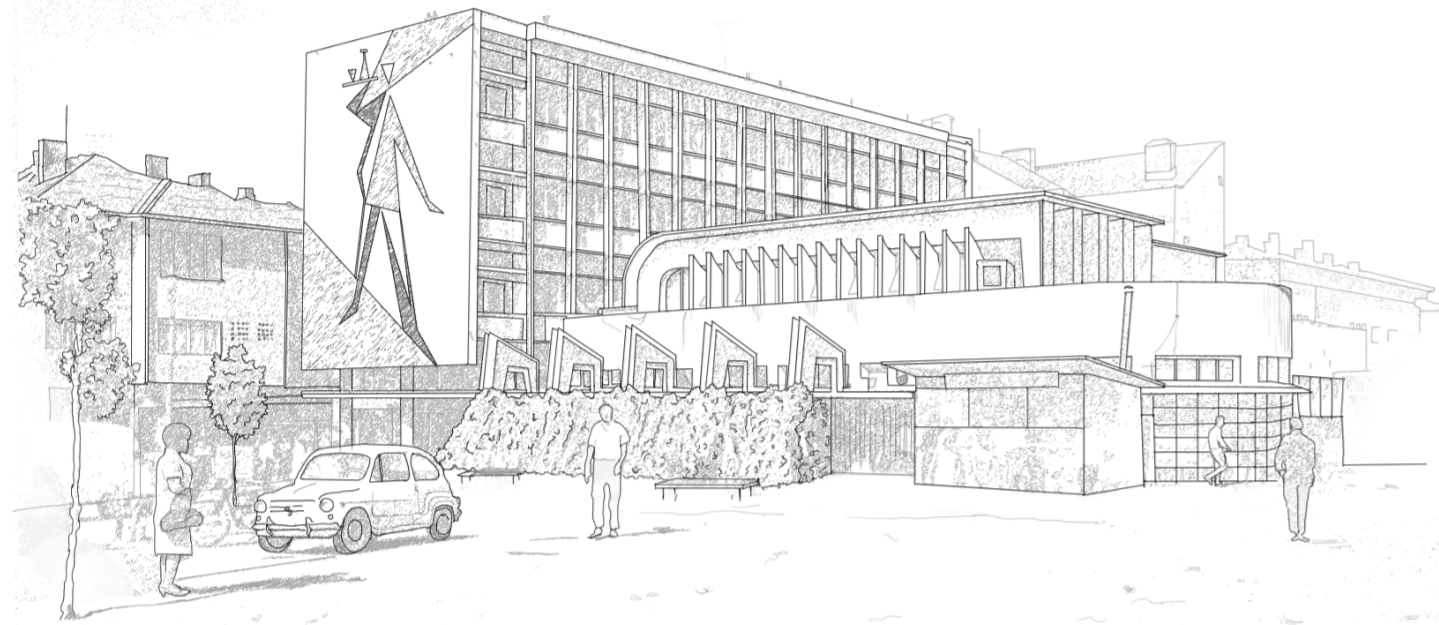


commercial areas, abandoned fields, suburbia



BITS OF ARCHITECTURAL IDENTITY

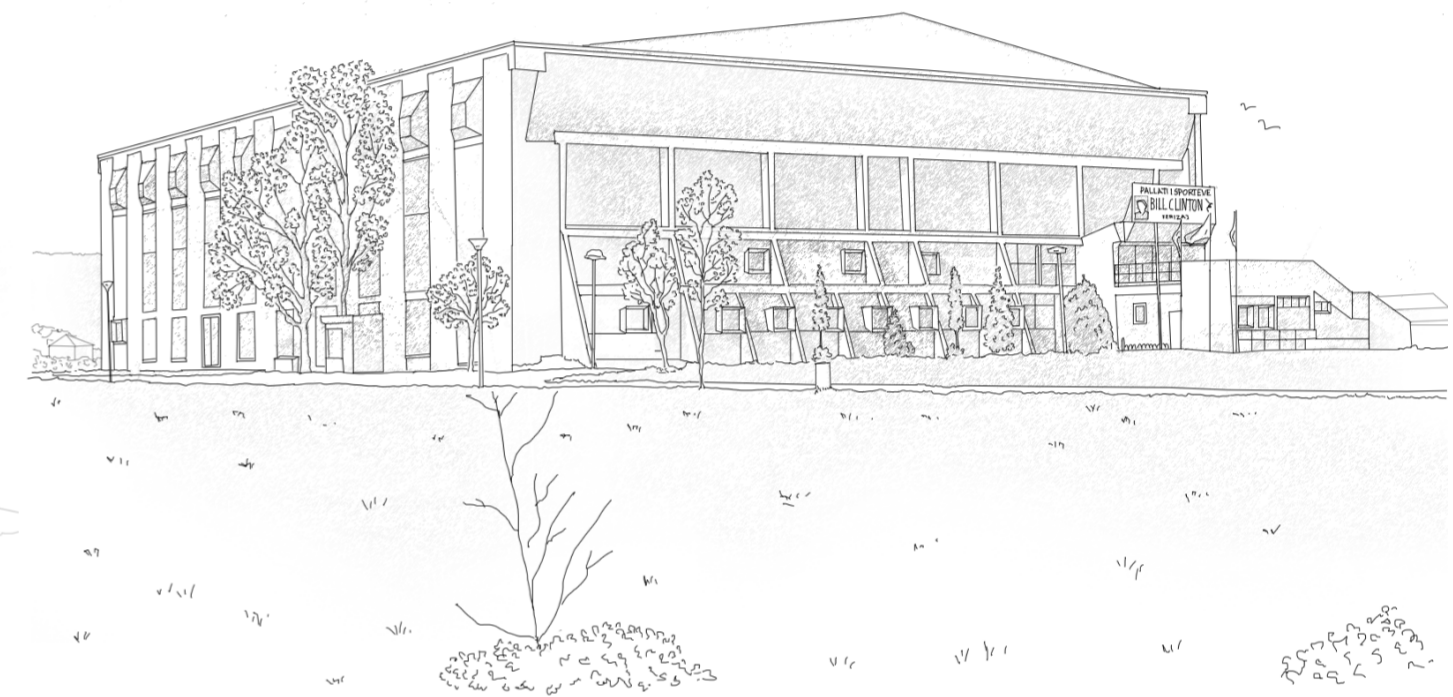
Hotel Lybeten (1960)



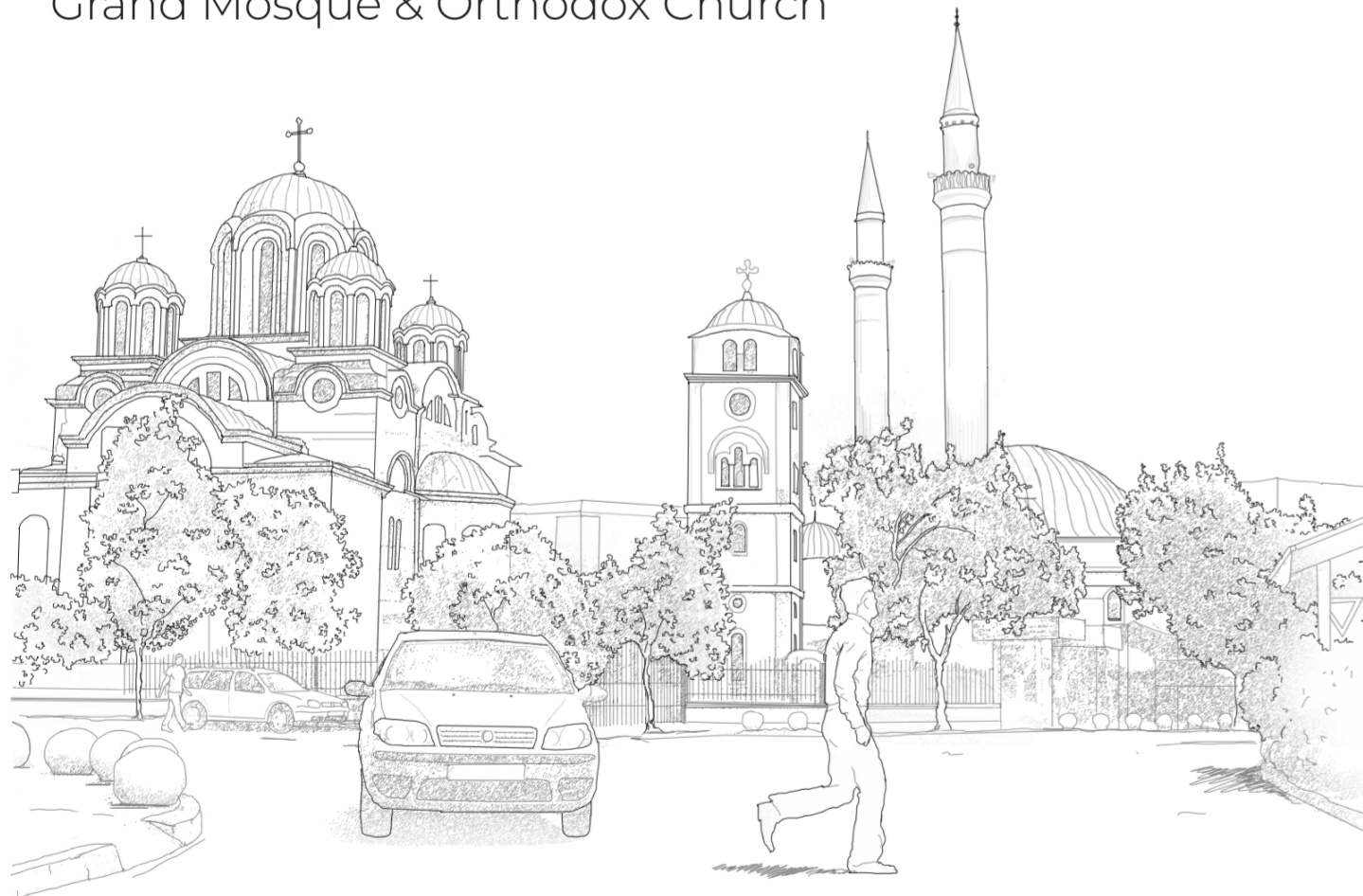
Train Station



Sports Hall



Grand Mosque & Orthodox Church

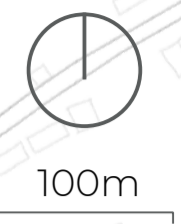


Public Library



Former City Mall





FIRST SCHOOL BUILDING



CITY THEATER



SPORTS HALL "BILL CLINTON"



PUBLIC LIBRARY



GRAND MOSQUE & ORTHODOX CHURCH



POST OFFICE



HOTEL LYBETEN



BANKOS



SMALL MOSQUE



TRAIN STATION



CATHOLIC CHURCH



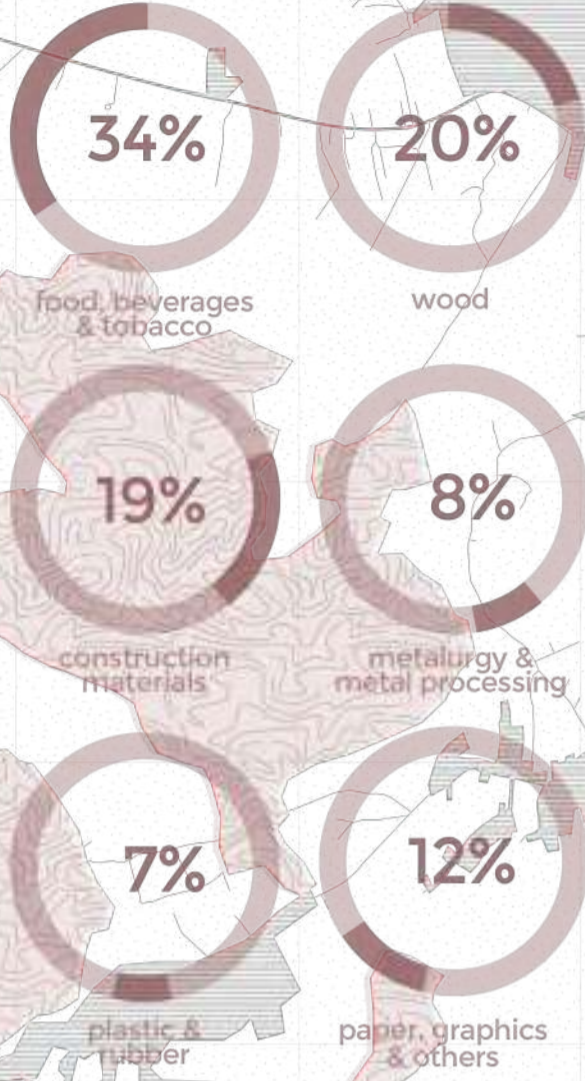
CITY ARCHIVE



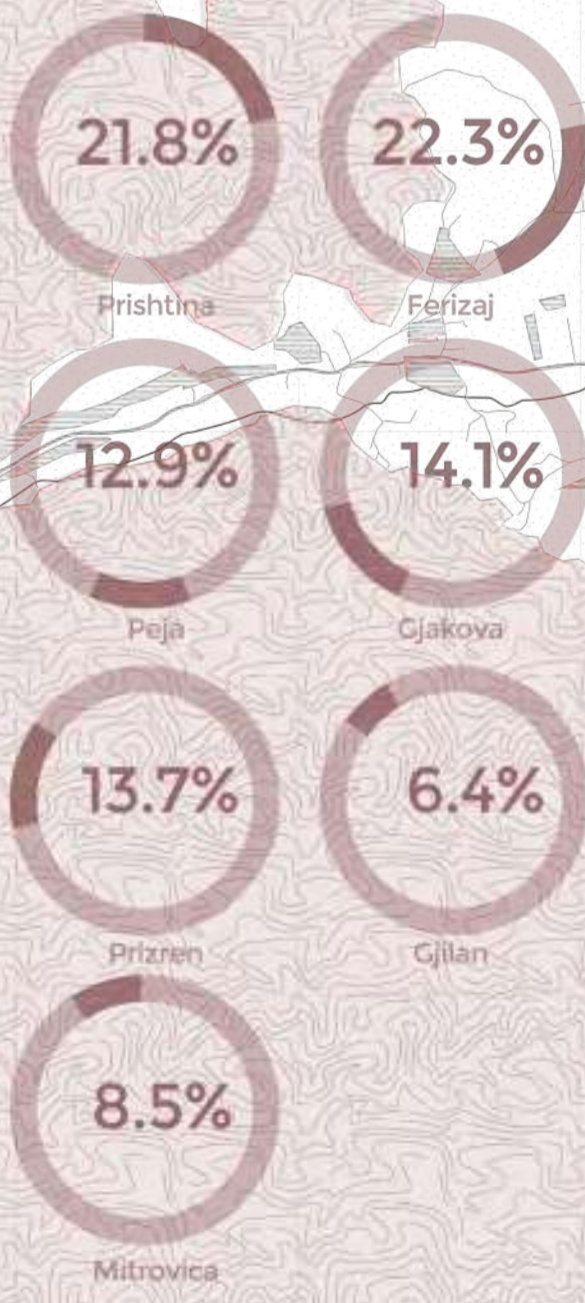
1km grid

MAP OF INDUSTRIES

INDUSTRIES by number of companies:



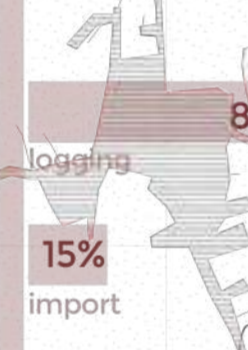
WOOD processing companies by regions:



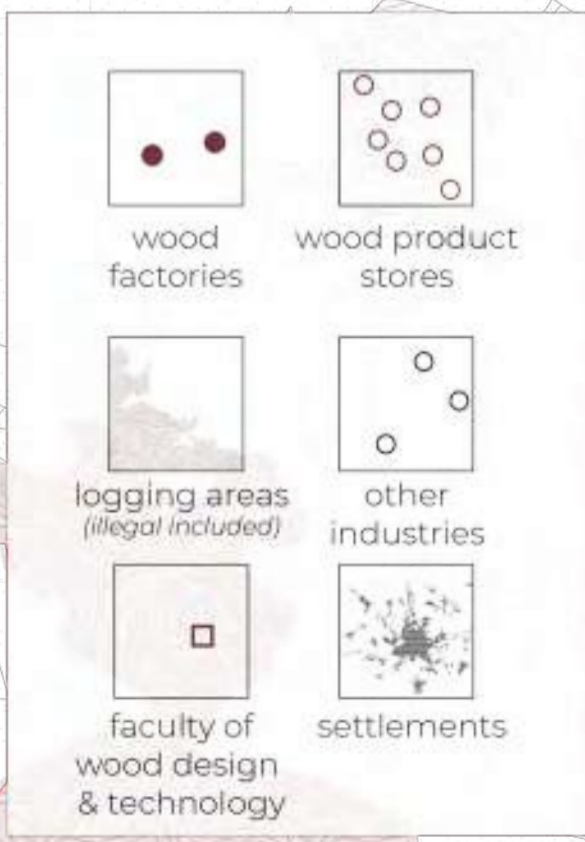
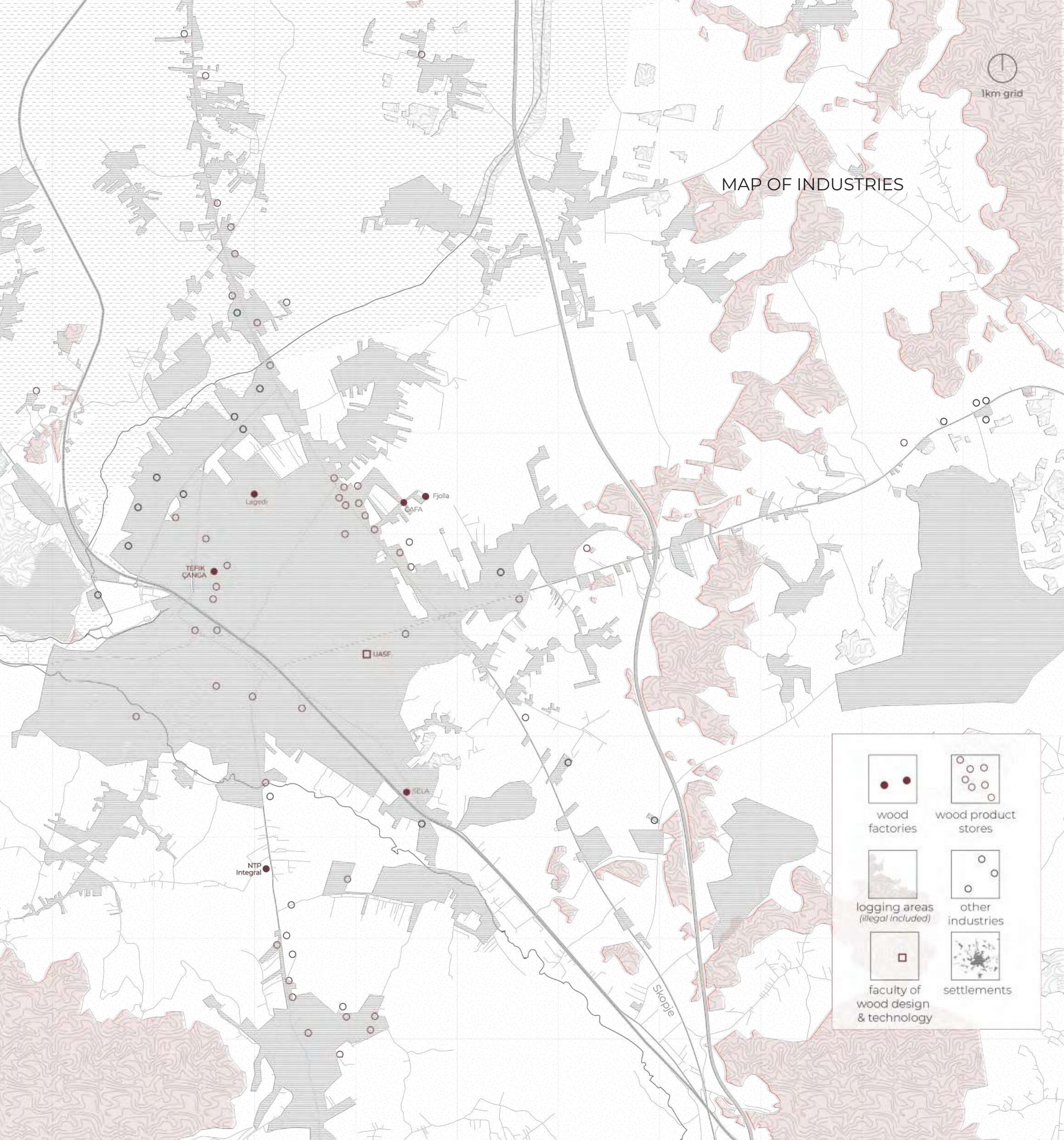
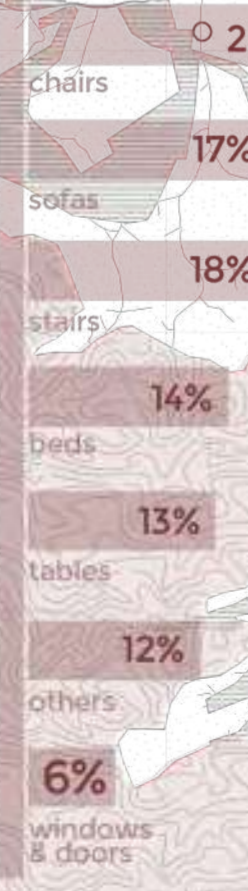
WOOD SPECIES used in wood processing



SOURCE of material



FINAL PROUDCTS of wood processing activities



LANDSCAPE

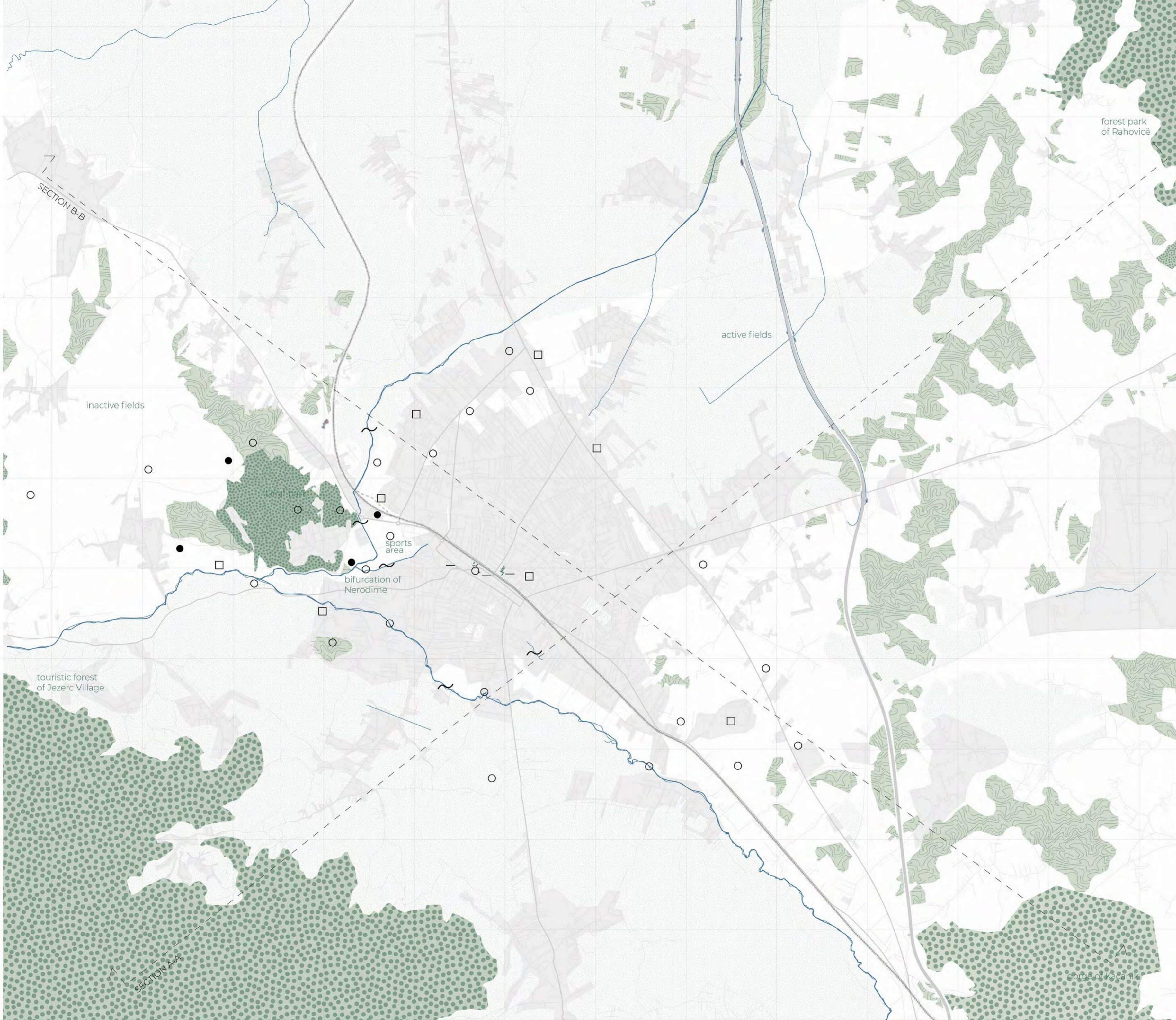
Analytical Research



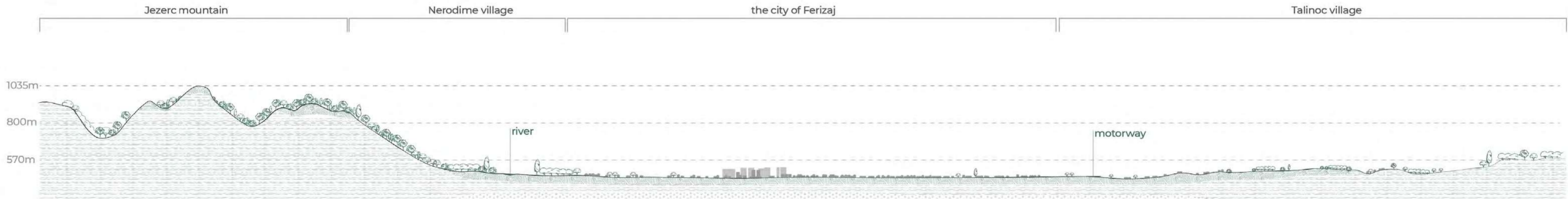
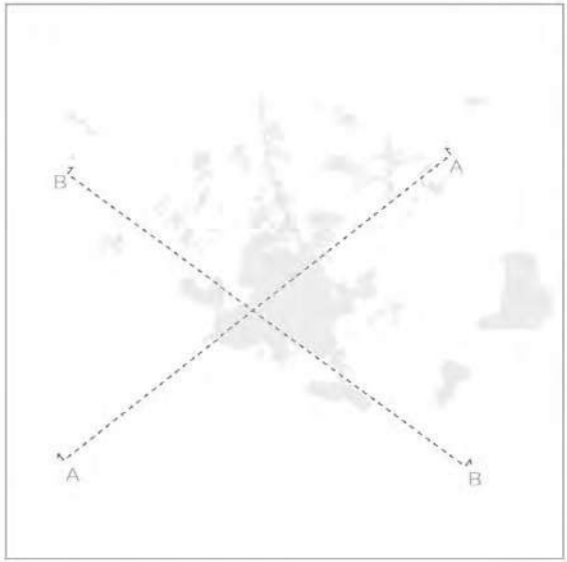
ANALYSIS
LANDSCAPE
Analytical Map



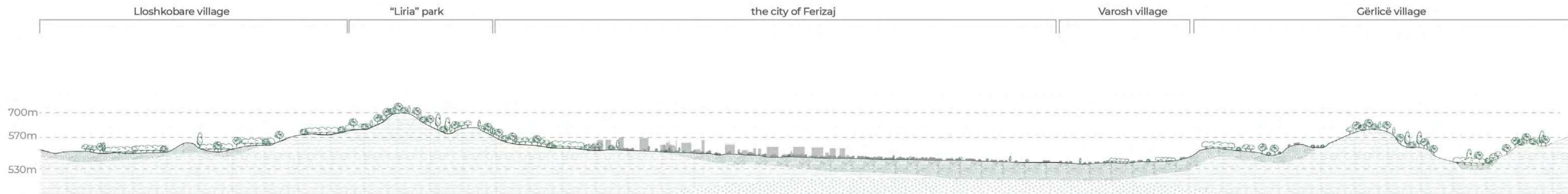
1km grid



- | | |
|---|---|
|  |  |
| forests | city park |
|  |  |
| hills | river |
|  |  |
| agriculture | artificial surfaces |



SECTION A-A

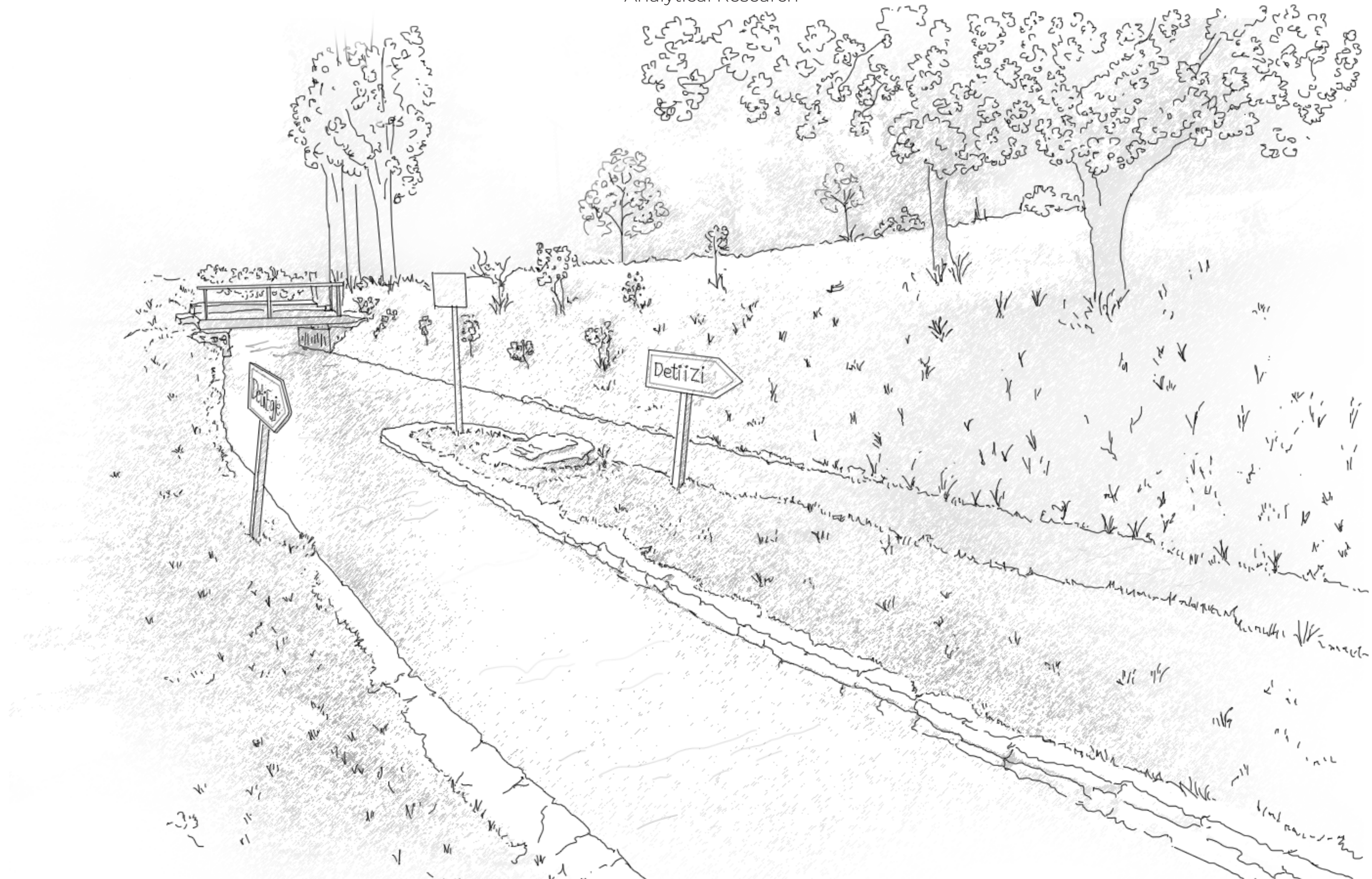


SECTION B-B

1km

WATER

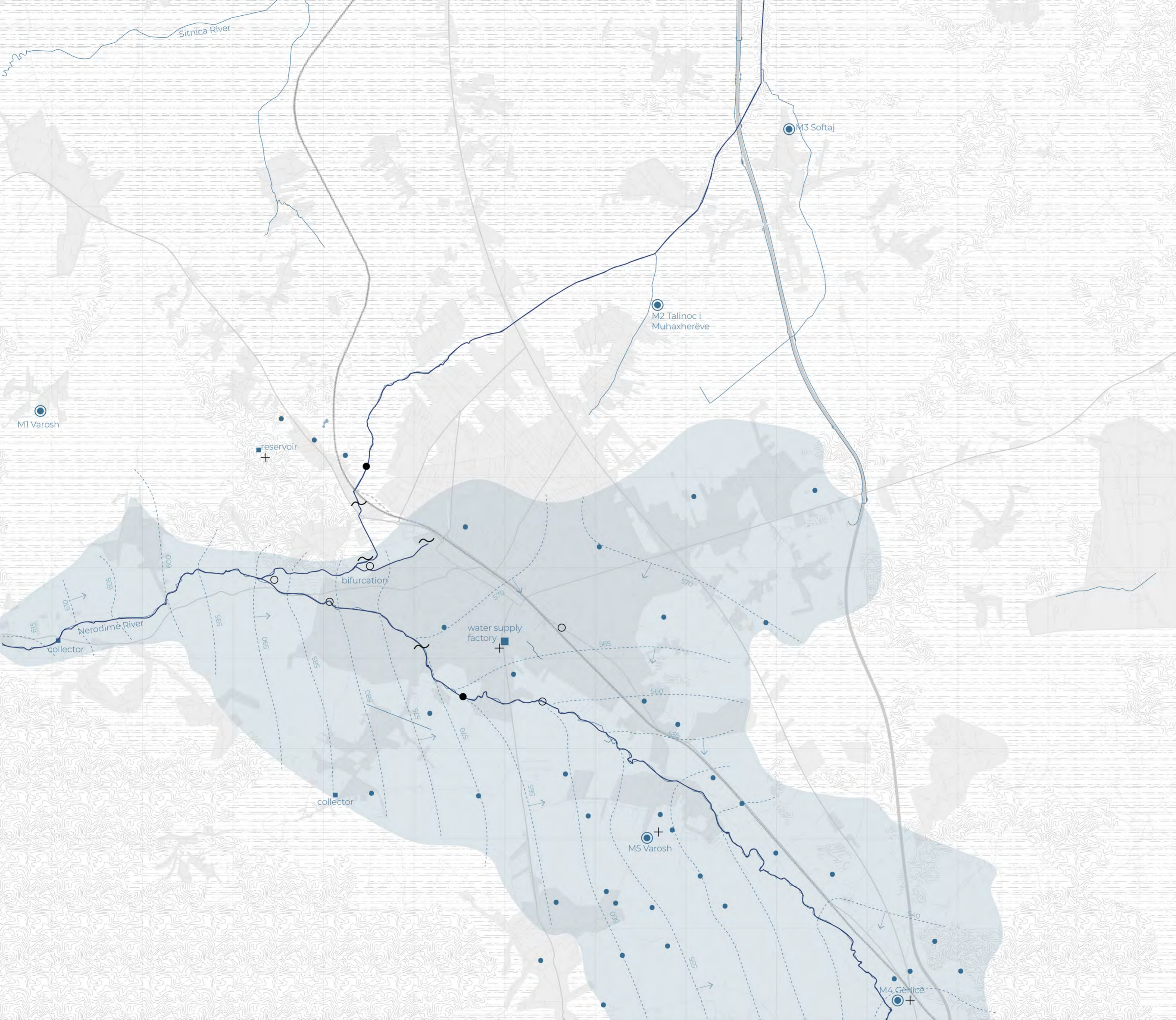
Analytical Research

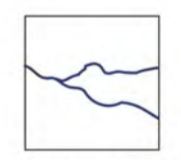

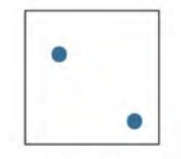





ANALYSIS
WATER
Analytical Map



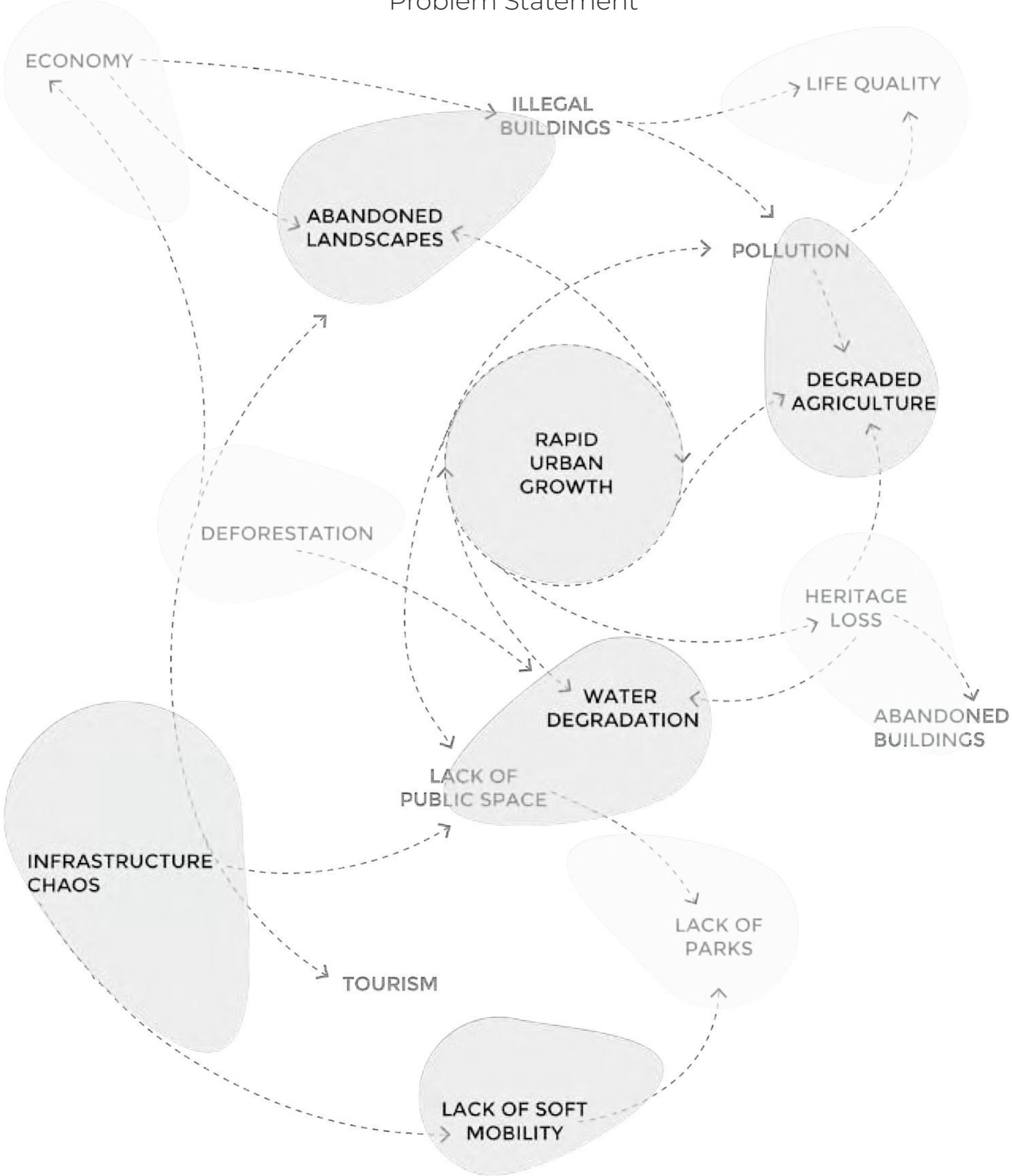
1km grid

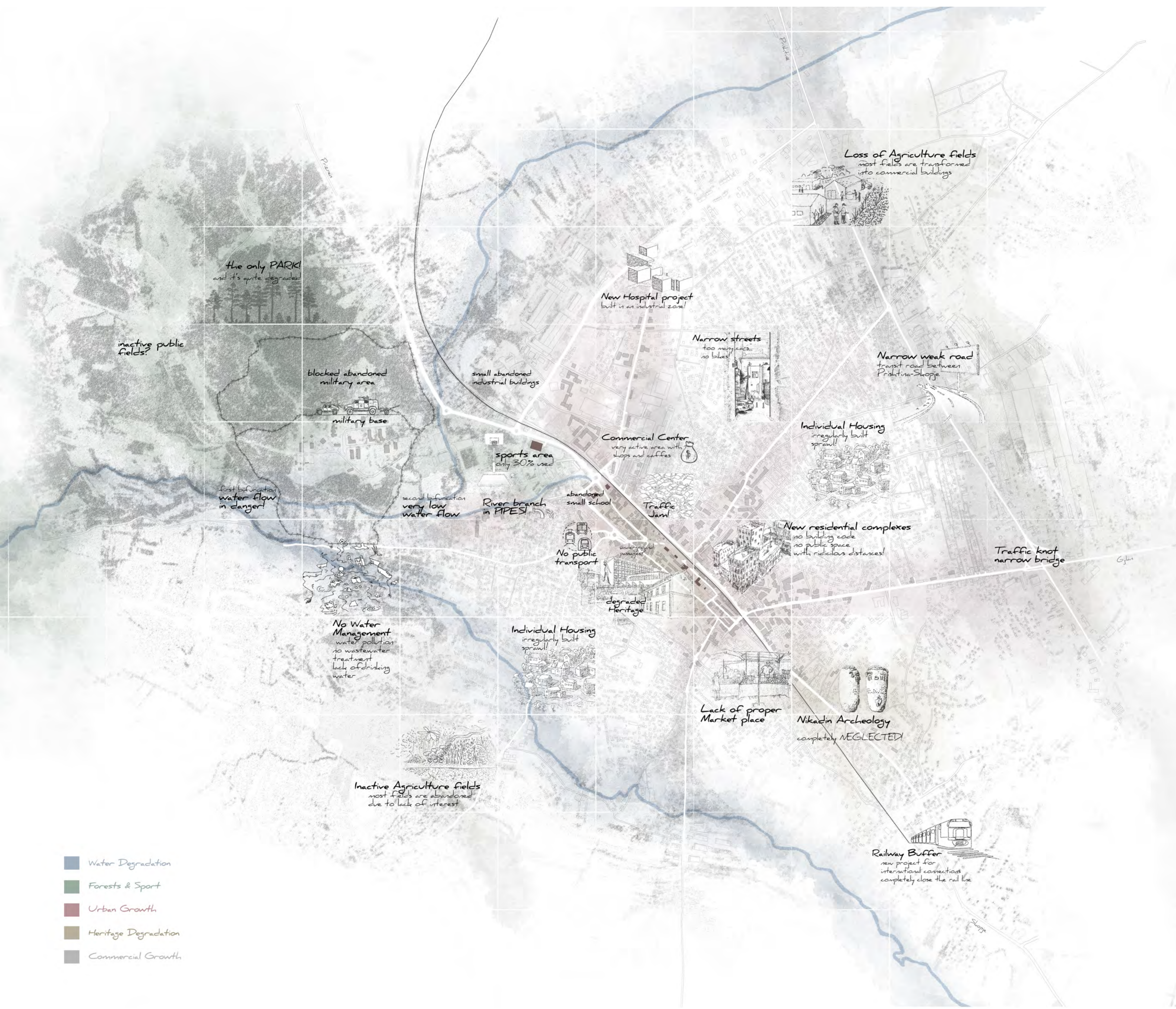


- | | |
|---|---|
|  |  |
| bifurcation | production well |
|  |  |
| wells | runoff |
|  |  |
| alluvial aquifer | DWTP |

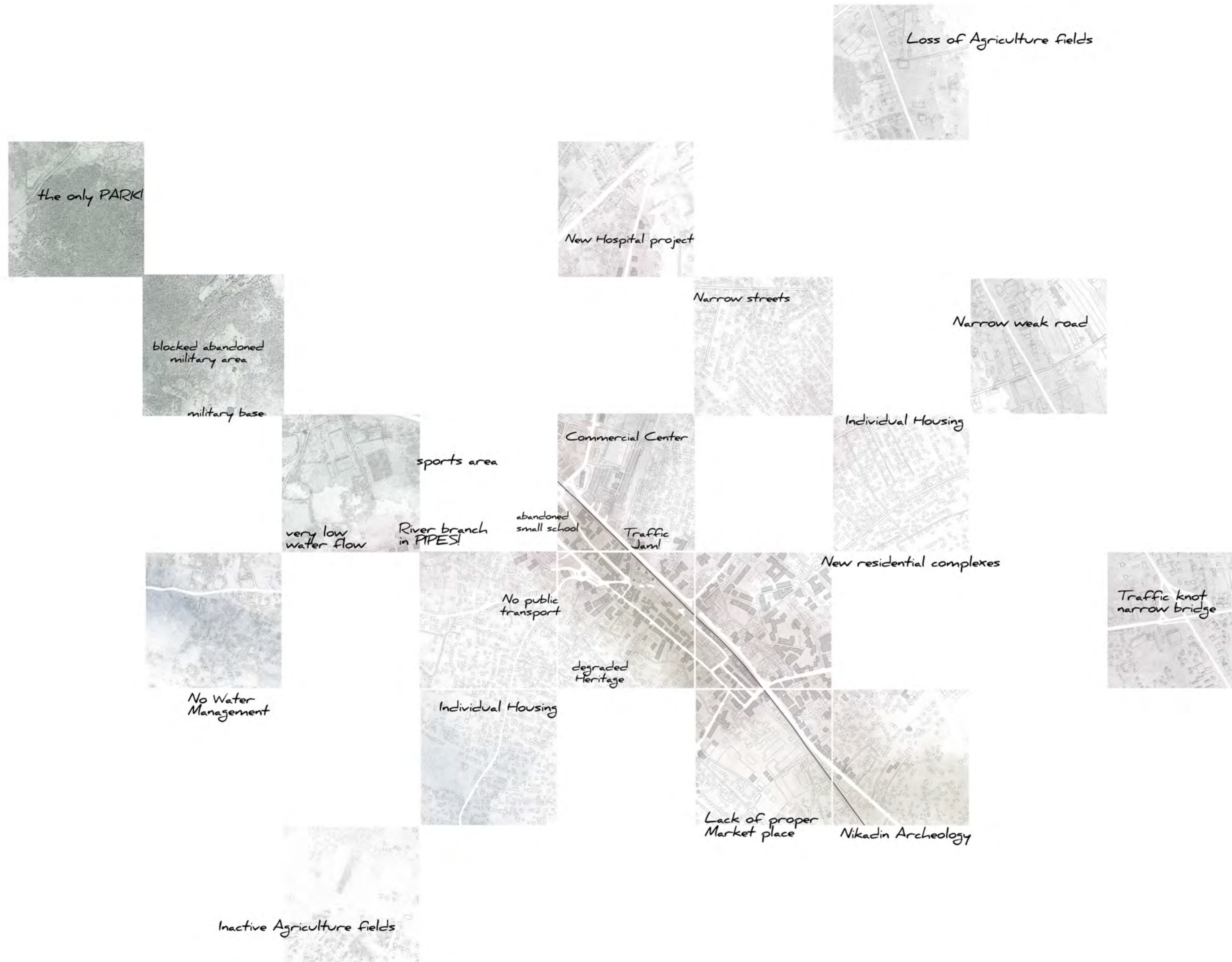
SYNOPSIS

Problem Statement

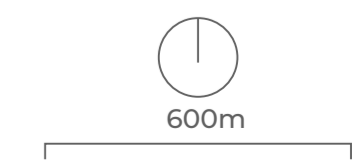




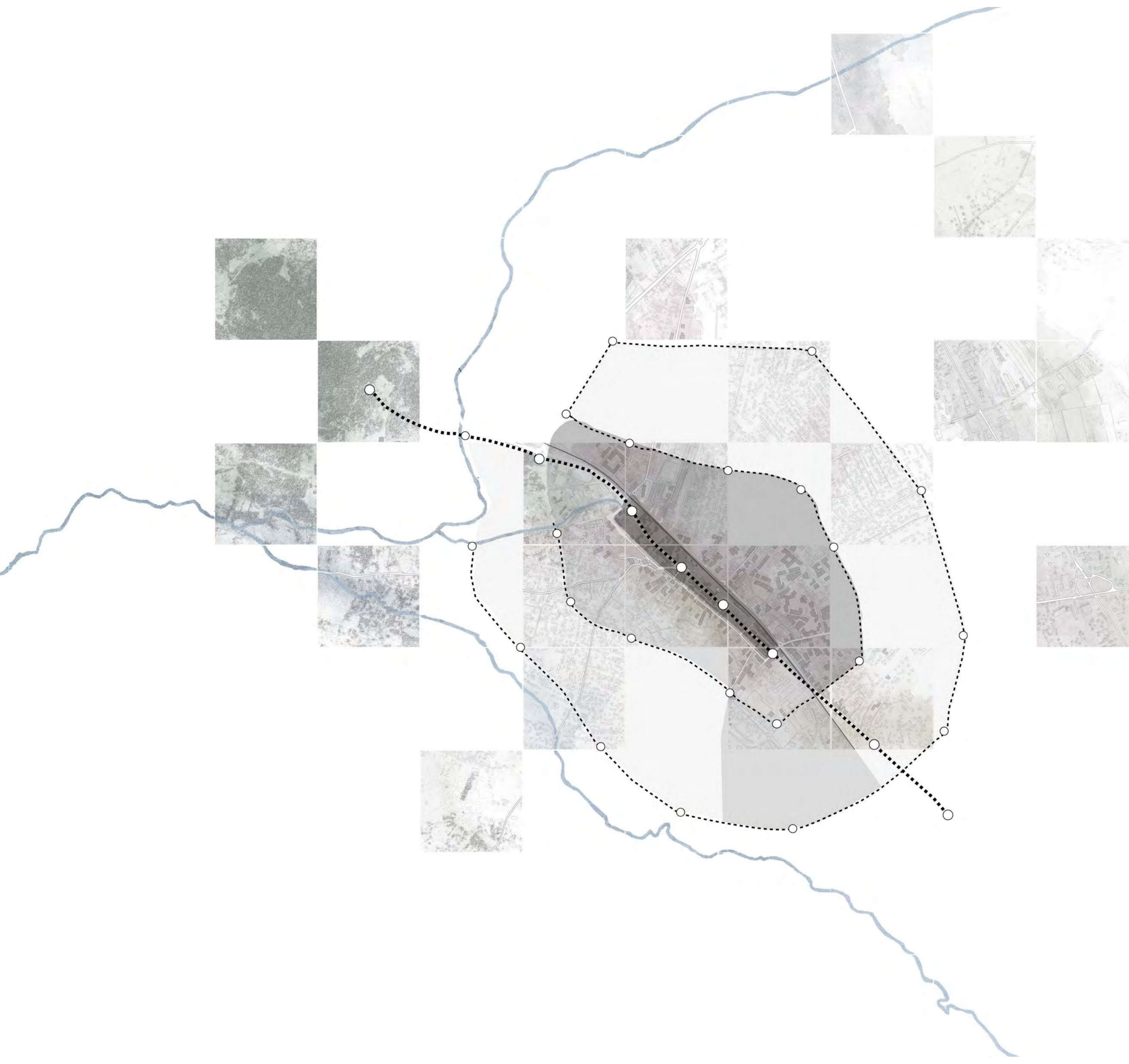
- Water Degradation
- Forests & Sport
- Urban Growth
- Heritage Degradation
- Commercial Growth



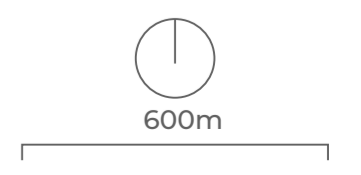
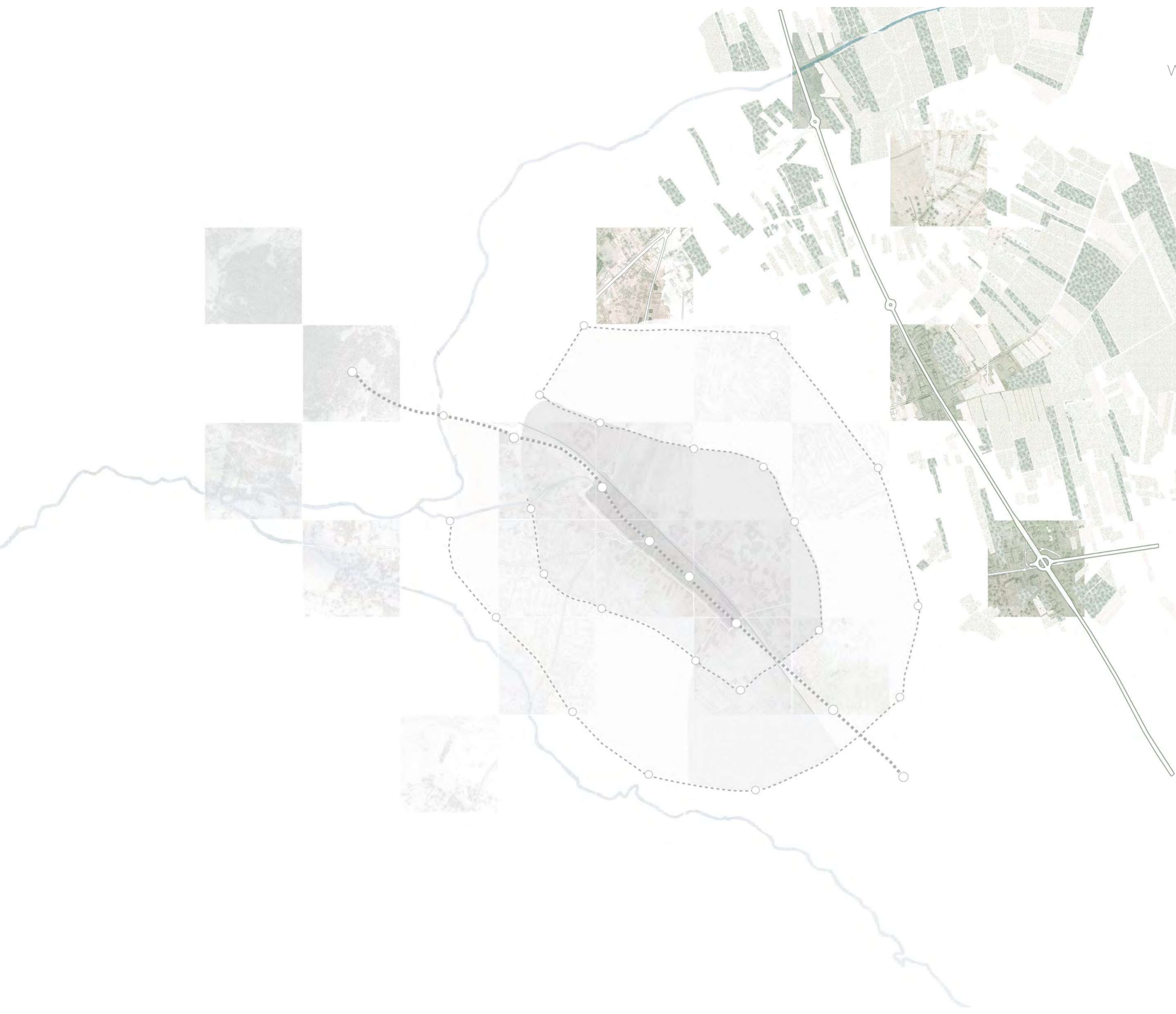
WHAT IF WATER DEFINES GROWTH?
CONCEPT
Sketch Mapping



WHAT IF TRAM REVIVES THE CITY?
CONCEPT
Sketch Mapping

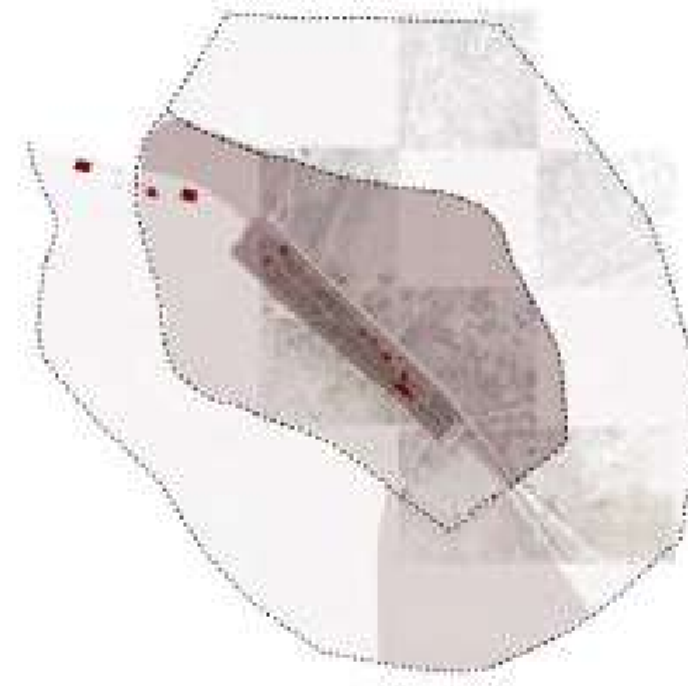


WHAT IF THE EDGES GAIN
A NEW IDENTITY?
CONCEPT
Sketch Mapping

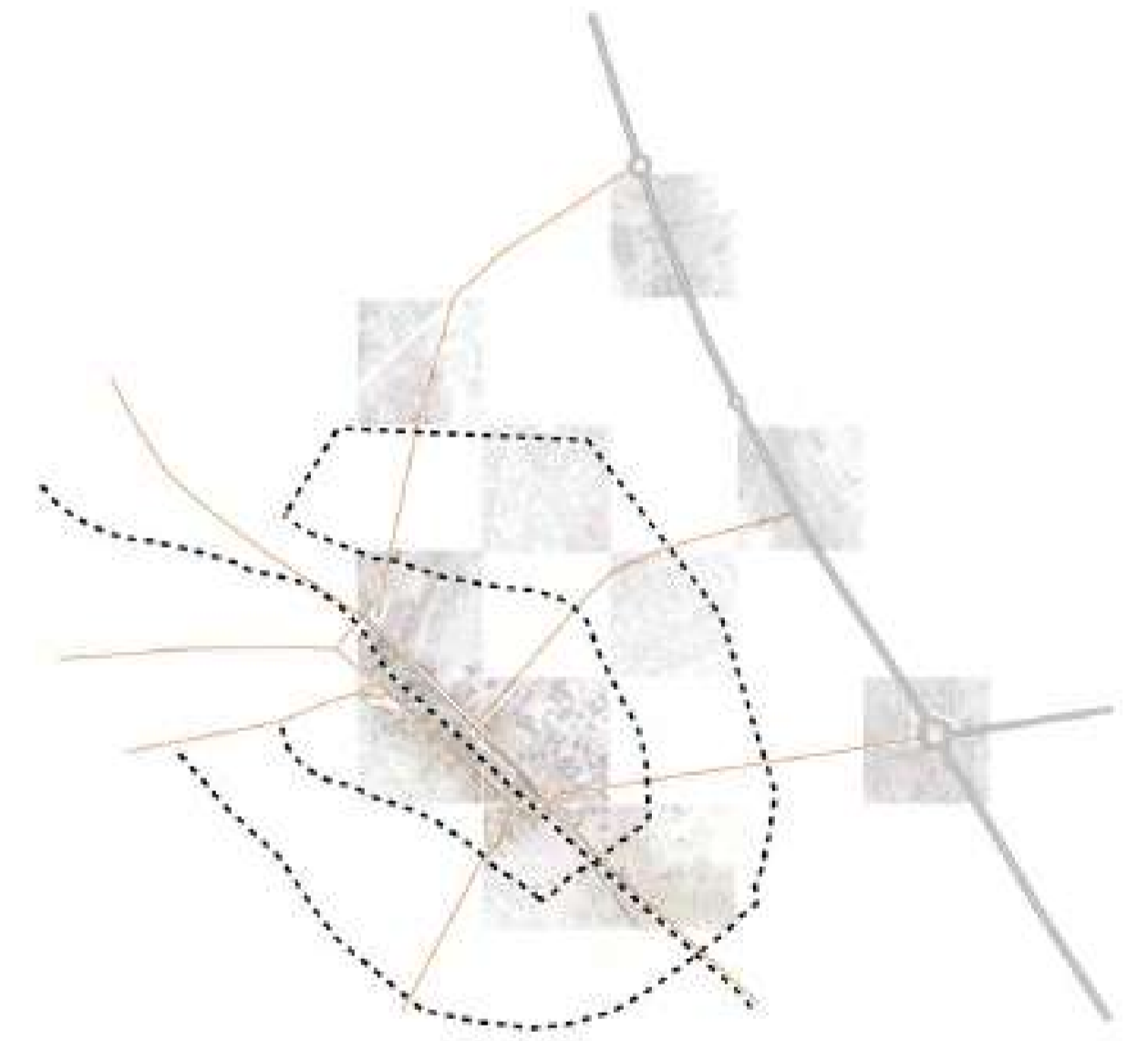




LANDSCAPE



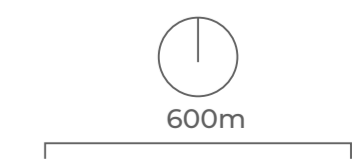
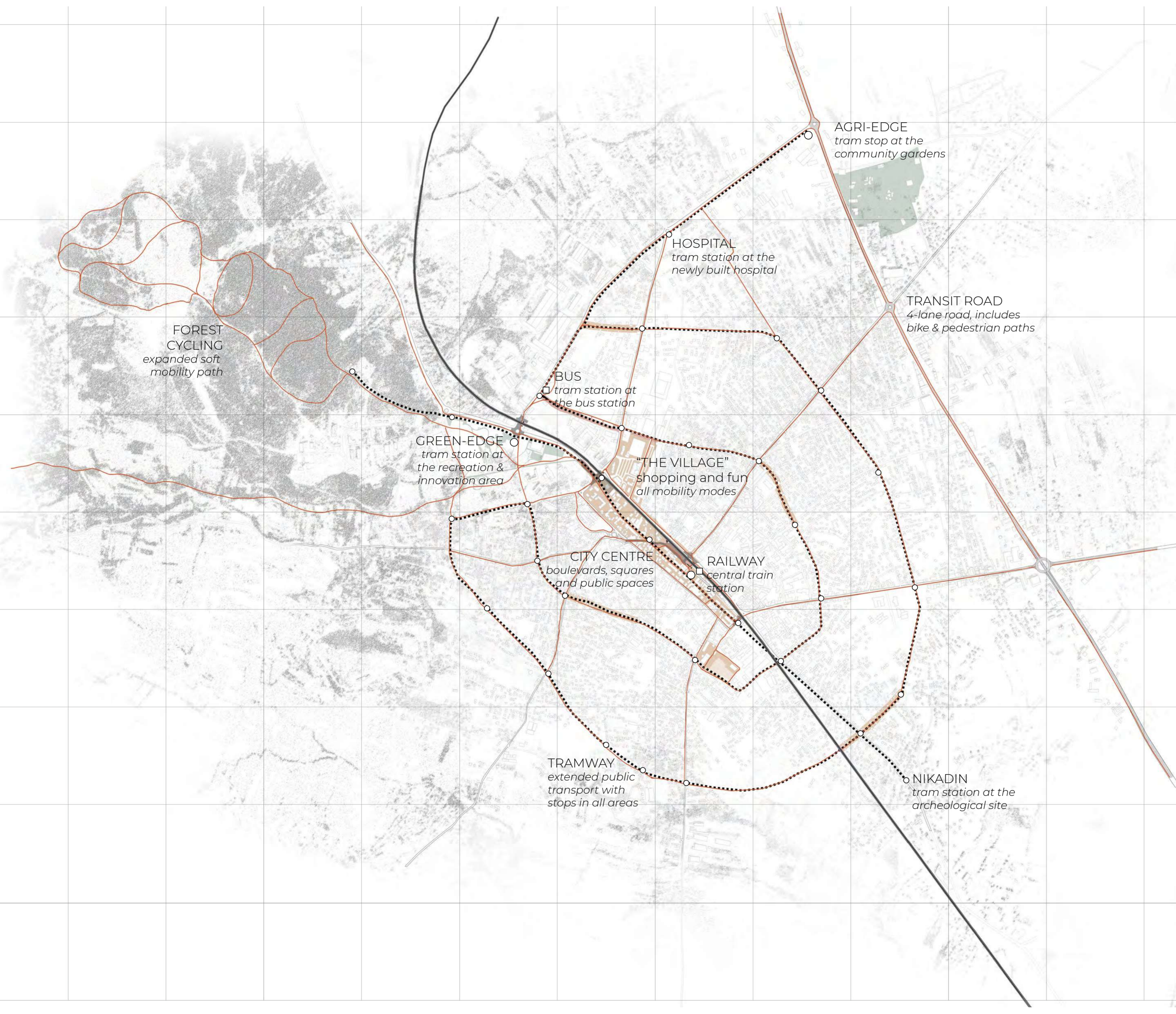
BUILT ENVIRONMENT



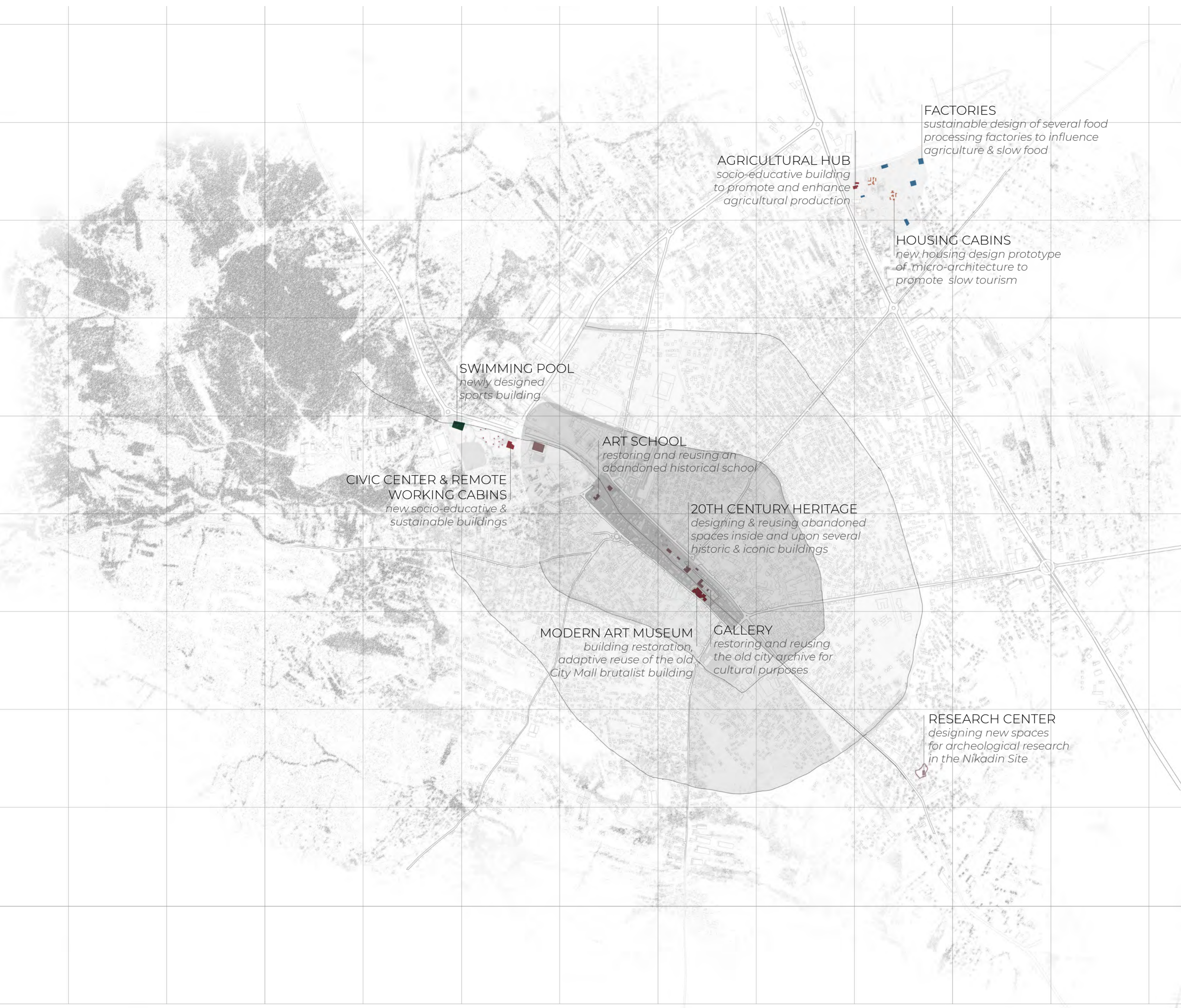
MOBILITY

A SLOW CITY
STRATEGY
Systematic Map

- MOBILITY SYSTEM:**
- Stops & Stations ○□
 - Railway Buffer ■■■■
 - Tramway ····
 - Underground Infrastructures —
 - Main Roads ==
 - Soft Mobility —
 - Boulevards, squares & public spaces ■



A SLOW CITY
STRATEGY
Systematic Map



AGRICULTURAL HUB
socio-educative building
to promote and enhance
agricultural production

FACTORIES
sustainable design of several food
processing factories to influence
agriculture & slow food

HOUSING CABINS
new housing design prototype
of micro-architecture to
promote slow tourism

SWIMMING POOL
newly designed
sports building

**CIVIC CENTER & REMOTE
WORKING CABINS**
new socio-educative &
sustainable buildings

ART SCHOOL
restoring and reusing an
abandoned historical school

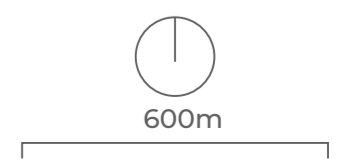
20TH CENTURY HERITAGE
designing & reusing abandoned
spaces inside and upon several
historic & iconic buildings

MODERN ART MUSEUM
building restoration,
adaptive reuse of the old
City Mall brutalist building










GALLERY
restoring and reusing
the old city archive for
cultural purposes

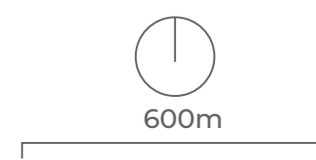
RESEARCH CENTER
designing new spaces
for archeological research
in the Nikadin Site

- BUILDING SYSTEM:**
- Preservation Projects
 - Socio-Cultural Buildings
 - Sports Buildings
 - Factories
 - Micro-Housing
 - Existing Buildings
 - Urban Rings*
new zones of planning
for public mixed-use
housing buildings:
high, mid and low rise





- GREEN SYSTEM:**
- Rivers 
 - Wetlands 
 - Ecological Corridors 
 - Forestation 
 - Urban Parks 
 - Tree Rows 
 - Low Vegetation 
- AGRICULTURE:**
- Plantation 
 - Cereal Crops 
 - Vegetation Crops 
 - Cash Crops 
 - Community Gardens 



A SLOW CITY
STRATEGY
General Map



MOBILITY SYSTEM:

- Stops & Stations
- Railway Buffer
- Tramway
- Underground Infrastructures
- Main Roads
- Soft Mobility
- Boulevards, squares & public spaces

BUILDING SYSTEM:

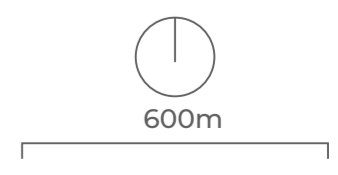
- Preservation Projects
- Socio-Cultural Buildings
- Sports Buildings
- Factories
- Micro-Housing
- Existing Buildings

GREEN SYSTEM:

- Rivers
- Wetlands
- Ecological Corridors
- Forestation
- Urban Parks
- Tree Rows
- Low Vegetation

AGRICULTURE:

- Plantation
- Cereal Crops
- Vegetation Crops
- Cash Crops
- Community Gardens



ZOOM-IN DESIGN

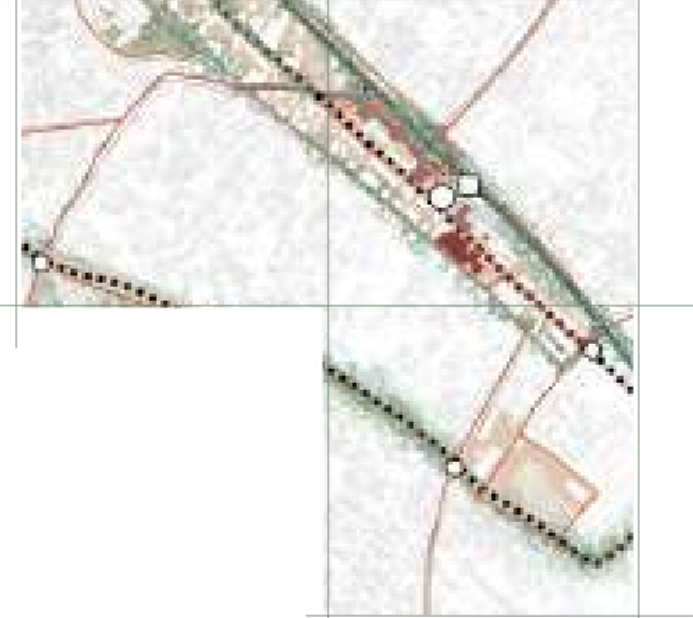
AGRI-EDGE



GREEN-EDGE



CITY CENTRE



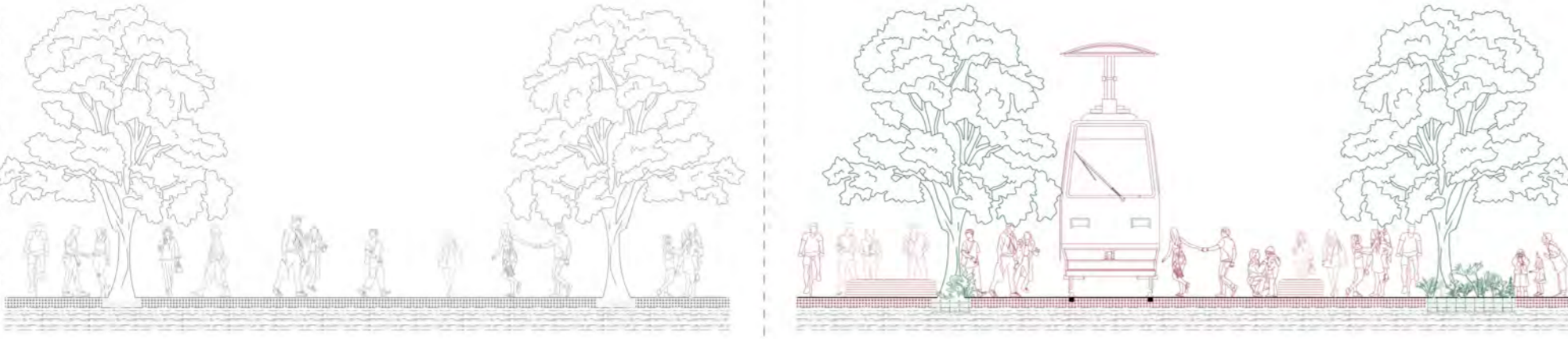
CITY CENTRE



INTERVENTIONS IN INFRASTRUCTURE

before after

bv. Dëshmorët e Kombit



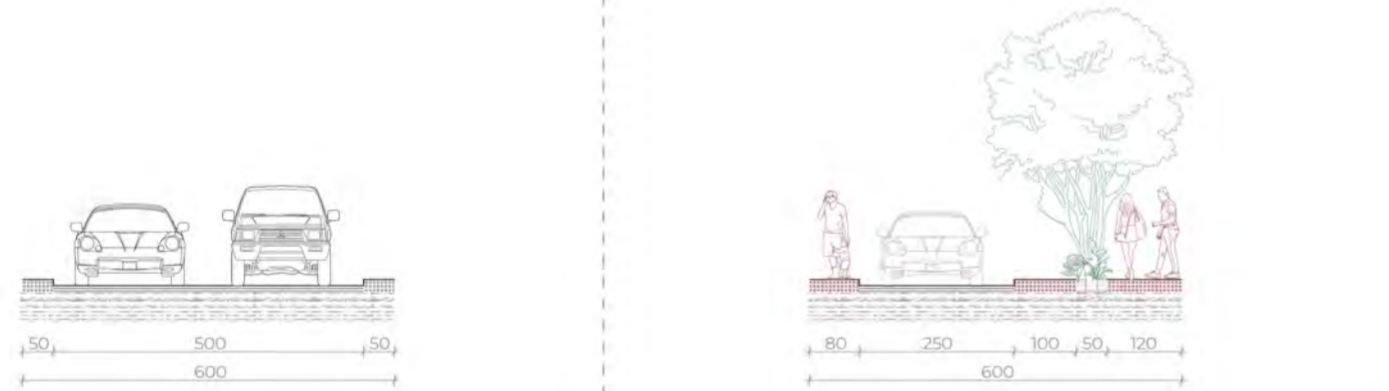
→ TRAMWAY & GREEN INFRASTRUCTURE

st. Ahmet Kaçiku



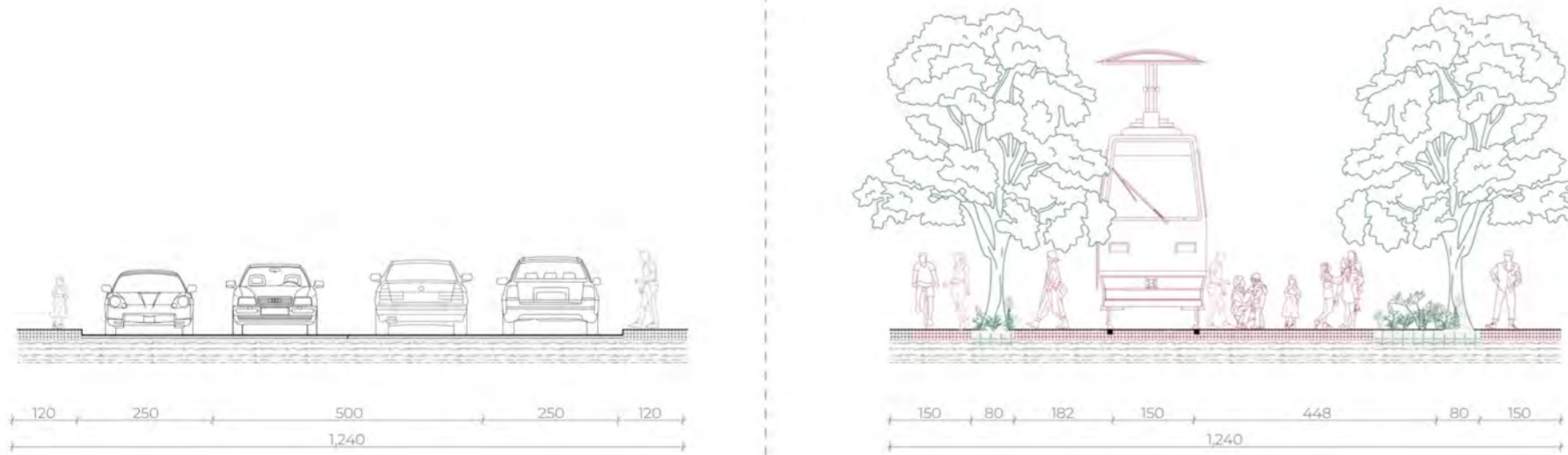
→ SOFT MOBILITY & GREEN INFRASTRUCTURE

st. 12 Qershori



→ SOFT MOBILITY & GREEN INFRASTRUCTURE

st. Dëshmorët e Kombit

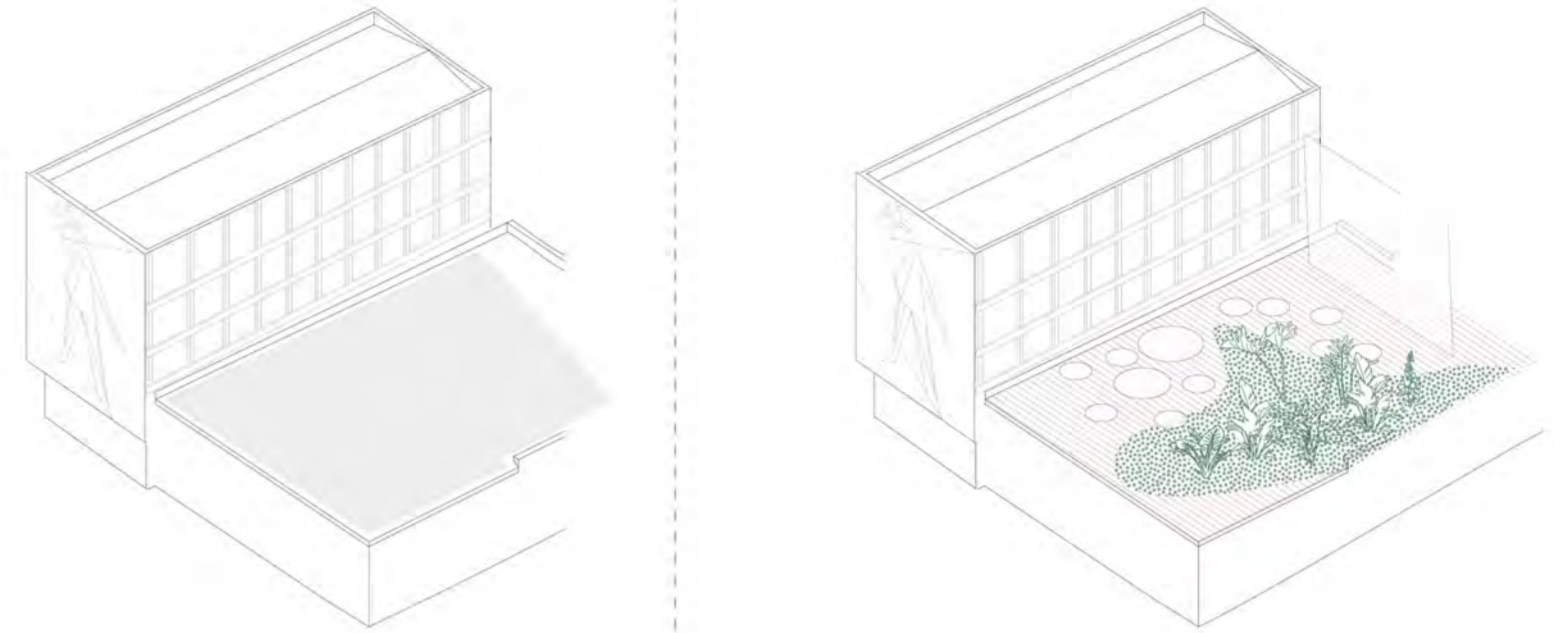


→ TRAMWAY, BOULEVARD & GREEN INFRASTRUCTURE

INTERVENTIONS IN BUILDINGS

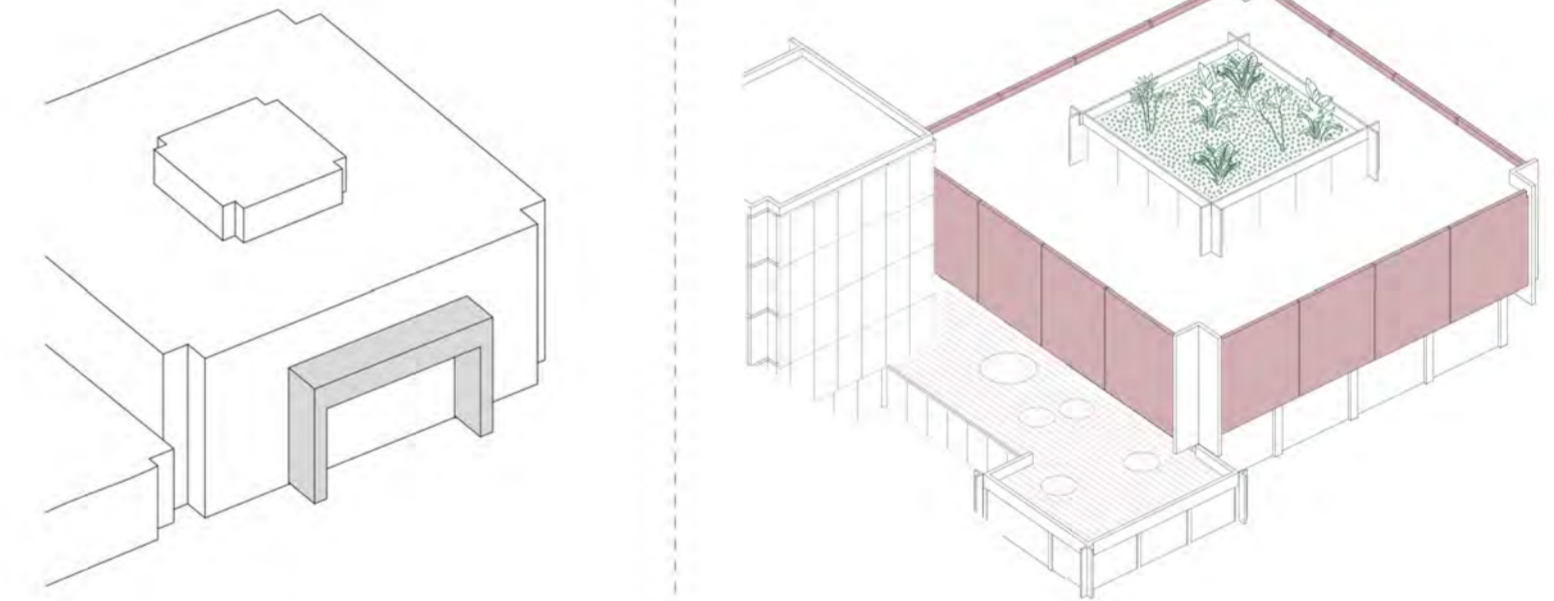
before after

Hotel Lybeten



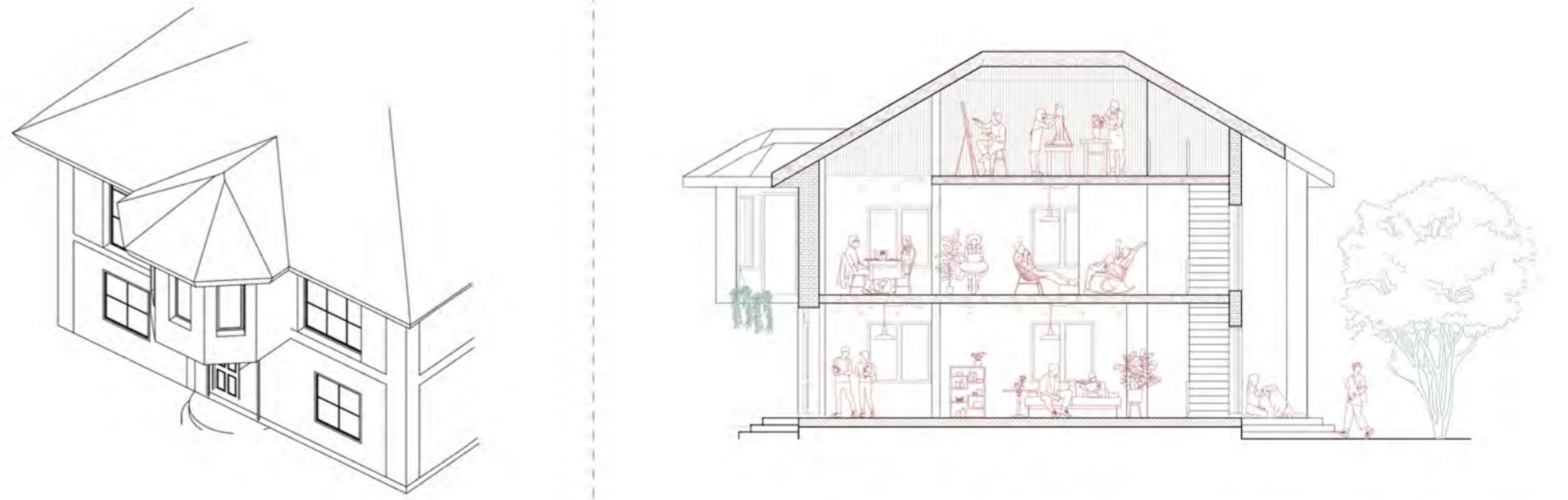
→ ADAPTIVE REUSE OF THE ABANDONED ROOFTOP

ex City Mall / current shopping center



→ MUSEUM DESIGN FOLLOWING THE FORMER FACADE

ex Library / current city archive



→ ADAPTIVE REUSE OF INTERIOR SPACE INTO A GALLERY

EXISTING CONDITION
CITY CENTRE
 ISOMETRIC VIEW

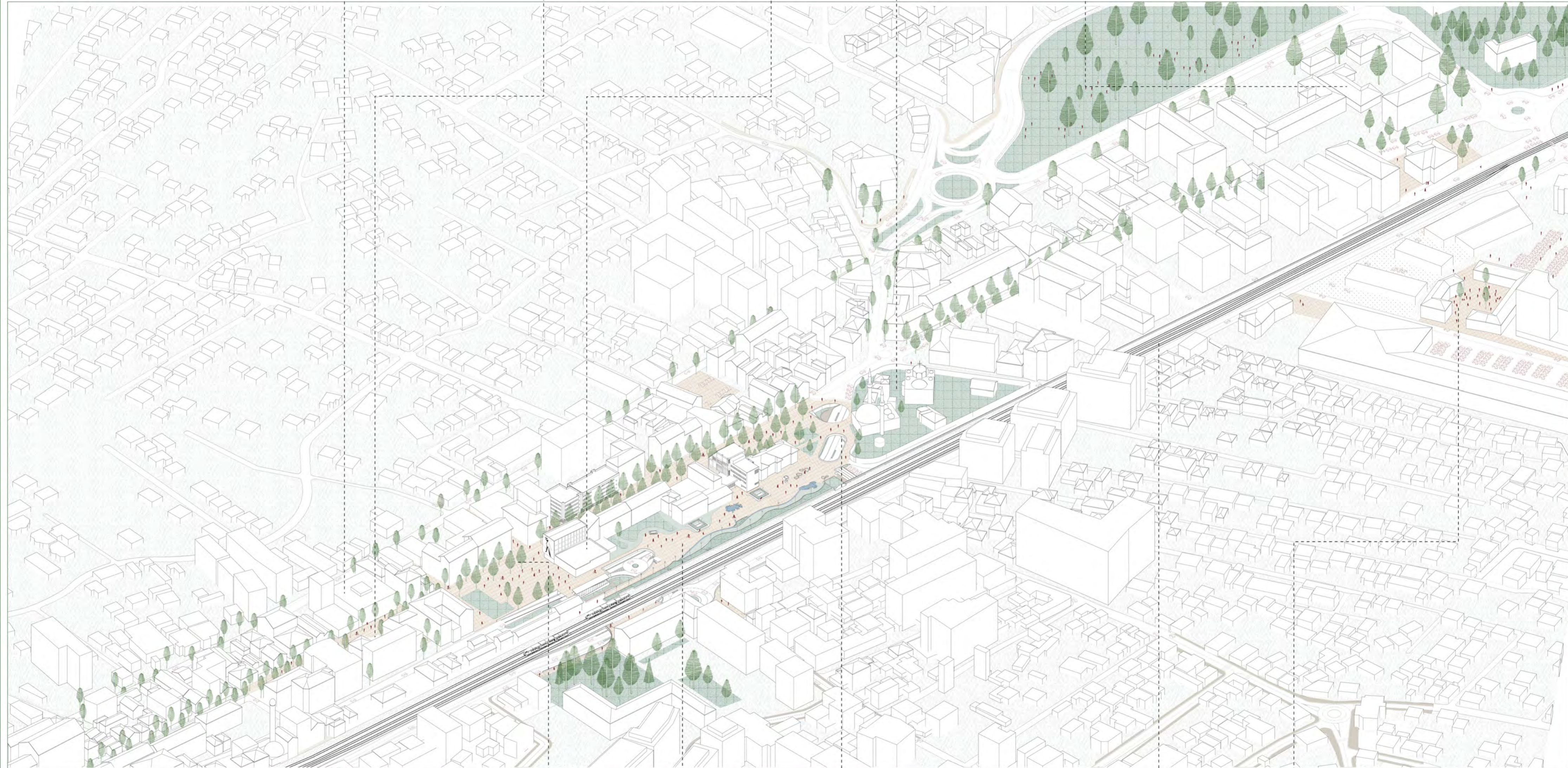
Super Viva Shopping
 used to be the main
 mall of Ferizaj

City Archive
 used to be a historic
 city library

Hotel
 Lybeten

Historical
 Mosque & Church

Abandoned School
 used to be the first
 school building



Fagus sylvatica (beech)

Quercus alba (white oak)

Catalpa bignonioides (catalpa)

Platanus acerifolia (london plane)

Prunus cerisera (japanese cherry)

Quercus palustris (pin oak)

Main Square
 Adem Jashari
 Square

the Platform on top
 newly developed
 platform

Underground Passages
 newly developed project
 "Bashkimi i Qytetit"

Railway
 buffered
 zone

The Village
 very active area of
 outdoor shopping mall

50m

PROPOSAL
CITY CENTRE
ISOMETRIC VIEW

Modern Art Museum
building design following
the Mall's former facade

Small Caffee Gallery
reusing the degraded
building of ex-library

Open Air Cinema
reusing the Hotels
rooftop as public space

Art School
reusing the abandoned
former school building



Fagus sylvatica (beech)

Quercus alba (white oak)

Catalpa bignonioides (catalpa)

Platanus acerifolia (london plane)

Prunus cerisera (japanese cherry)

Quercus palustris (pin oak)

Tramway
new public
transport

the Platform on top
improving the new
public platform along
the railway

Main streets
adding trees &
soft mobility

Boulevard
Extention
soft mobility
platform

Theater Square & The Village
extended spine of public spaces,
linked to the existing outdoor
shopping area

50m

PROPOSAL
CITY CENTRE
PLAN VIEW

8 Open Air Cinema
reusing the Hotels
rooftop as public space

9 Modern Art Museum
building design following
the Mall's former facade

10 Small Caffee Gallery
reusing the degraded
building of ex-library

11 Art School
reusing the abandoned
former school building



Fagus sylvatica (beech)

Quercus alba (white oak)

Catalpa bignonioides (catalpa)

Platanus acerifolia (london plane)

Prunus cerisera (japanese cherry)

Quercus palustris (pin oak)

1 Tramway
new public
transport

2 Boulevard
Extention
soft mobility
platform

3 Theater Square
cultural realted
public space

4 ex Station Square
re-using the old
bus station

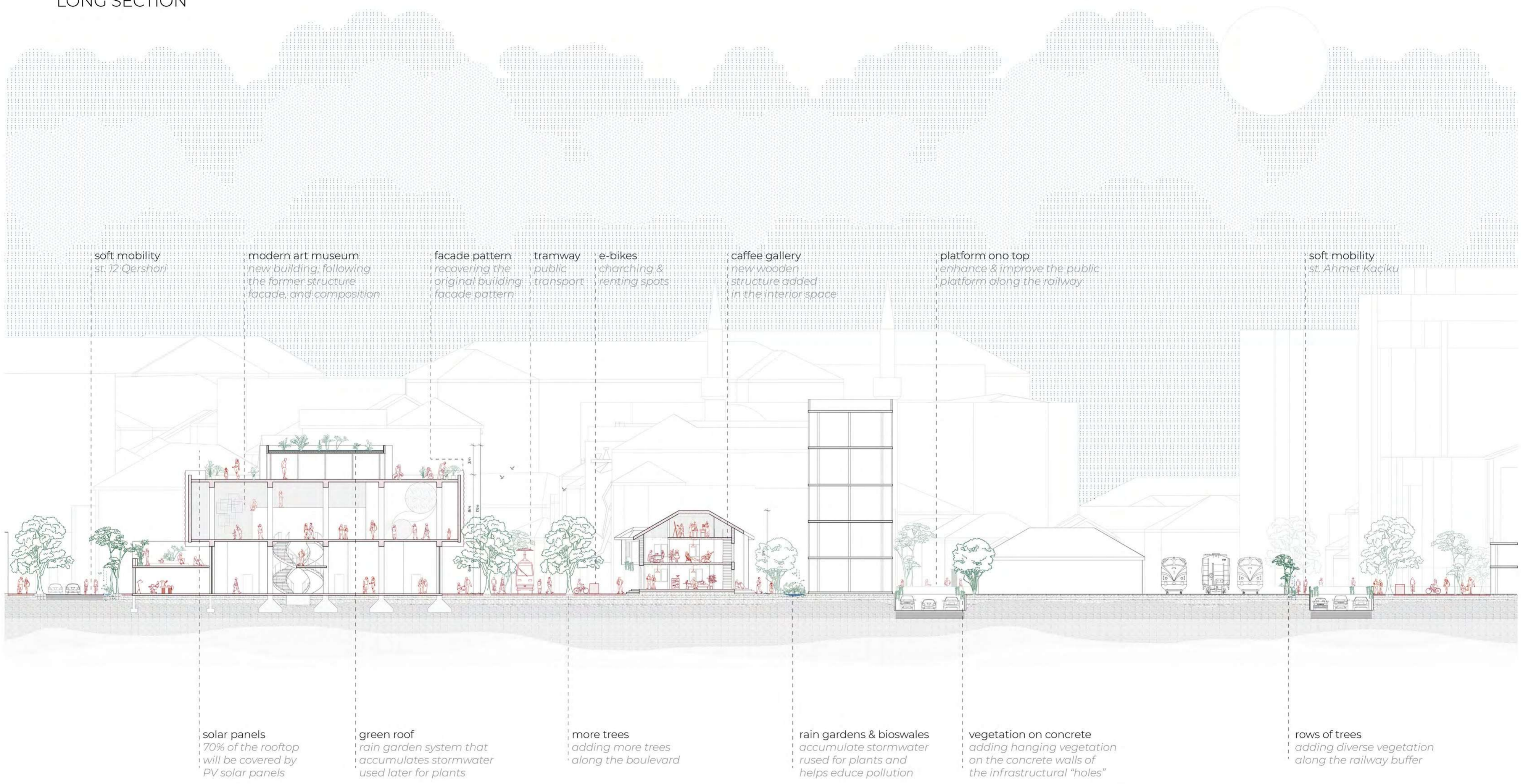
5 st.Ahmet Kaciku
adding trees &
soft mobility

6 st. 12 Qershori
adding trees &
soft mobility

7 the Platform on top
improving the new
public platform along
the railway



PROPOSAL
CITY CENTRE
LONG SECTION



soft mobility
st. 12 Qershori

modern art museum
new building following
the former structure
facade and composition

facade pattern
recovering the
original building
facade pattern

tramway
public transport

e-bikes
charging &
renting spots

caffee gallery
new wooden
structure added
in the interior space

platform on top
enhance & improve the public
platform along the railway

soft mobility
st. Ahmet Kaciku

solar panels
70% of the rooftop
will be covered by
PV solar panels

green roof
rain garden system that
accumulates stormwater
used later for plants

more trees
adding more trees
along the boulevard

rain gardens & bioswales
accumulate stormwater
rused for plants and
helps educe pollution

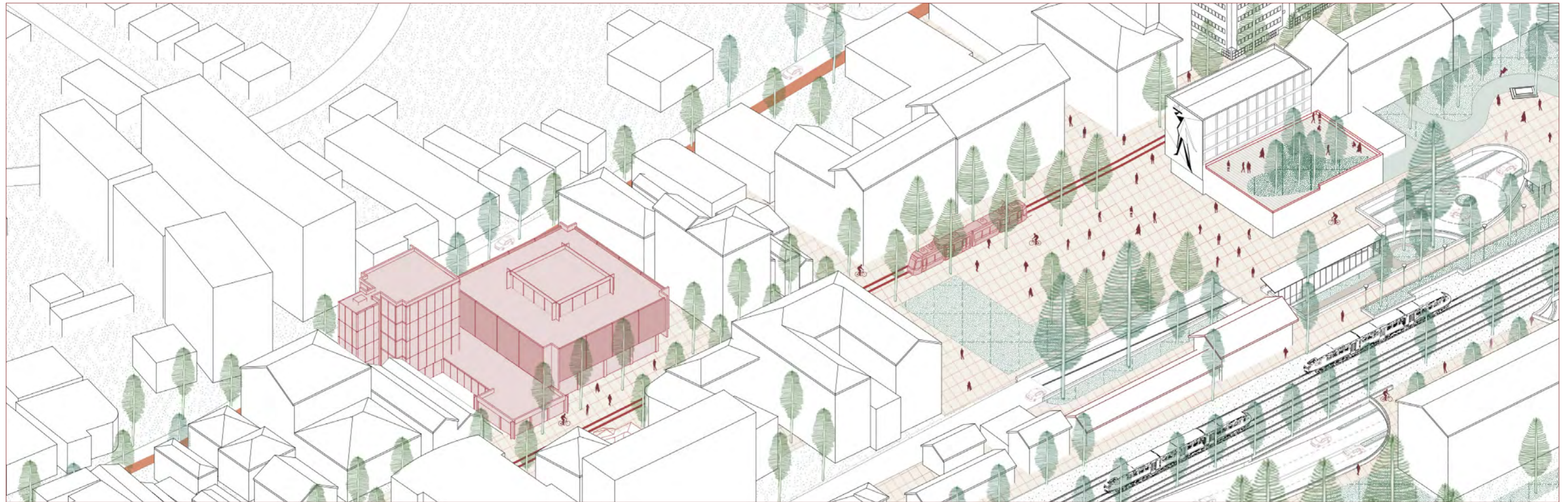
vegetation on concrete
adding hanging vegetation
on the concrete walls of
the infrastructural "holes"

rows of trees
adding diverse vegetation
along the railway buffer

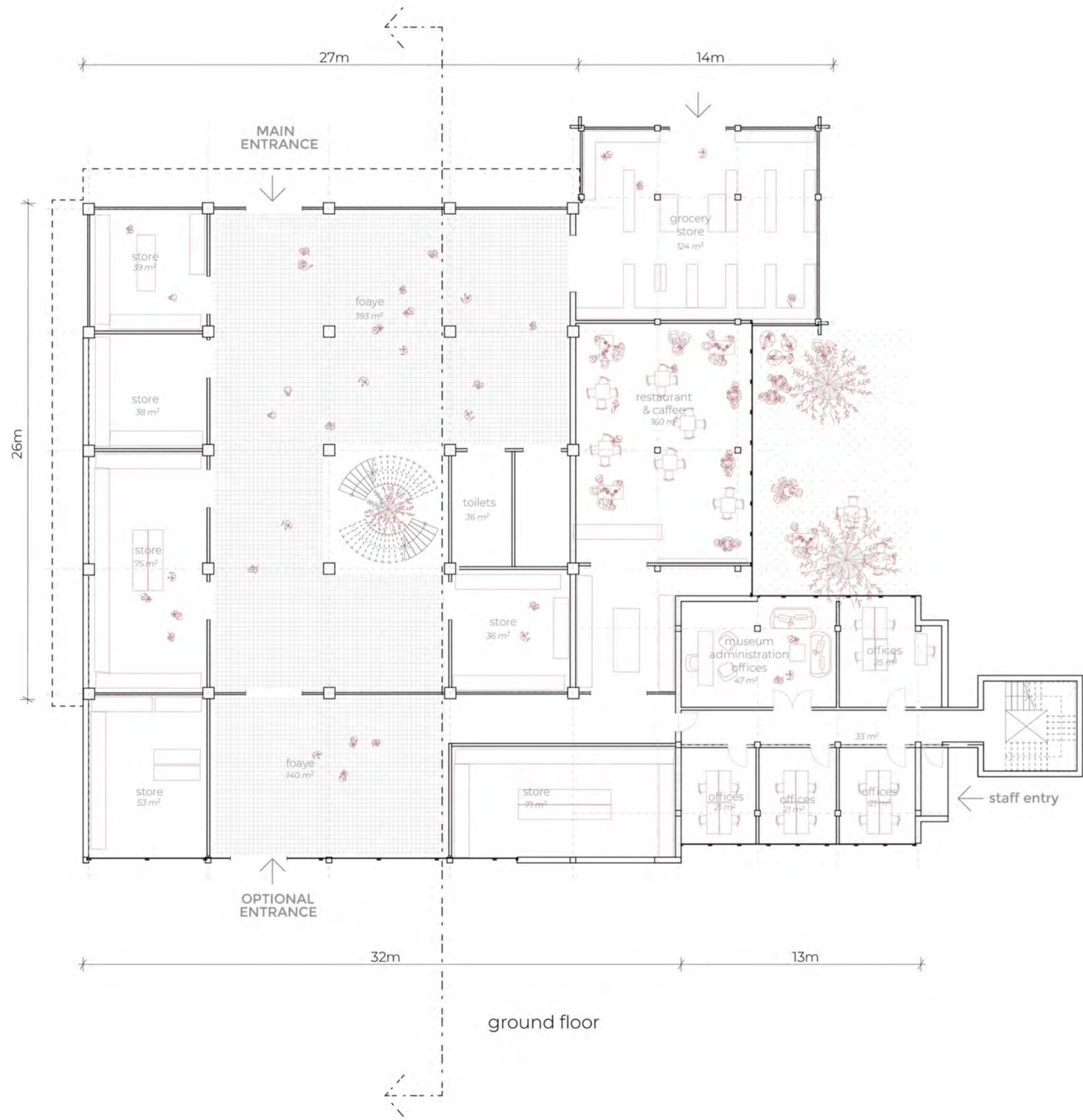
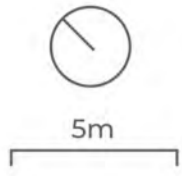
10m

MODERN ART MUSEUM

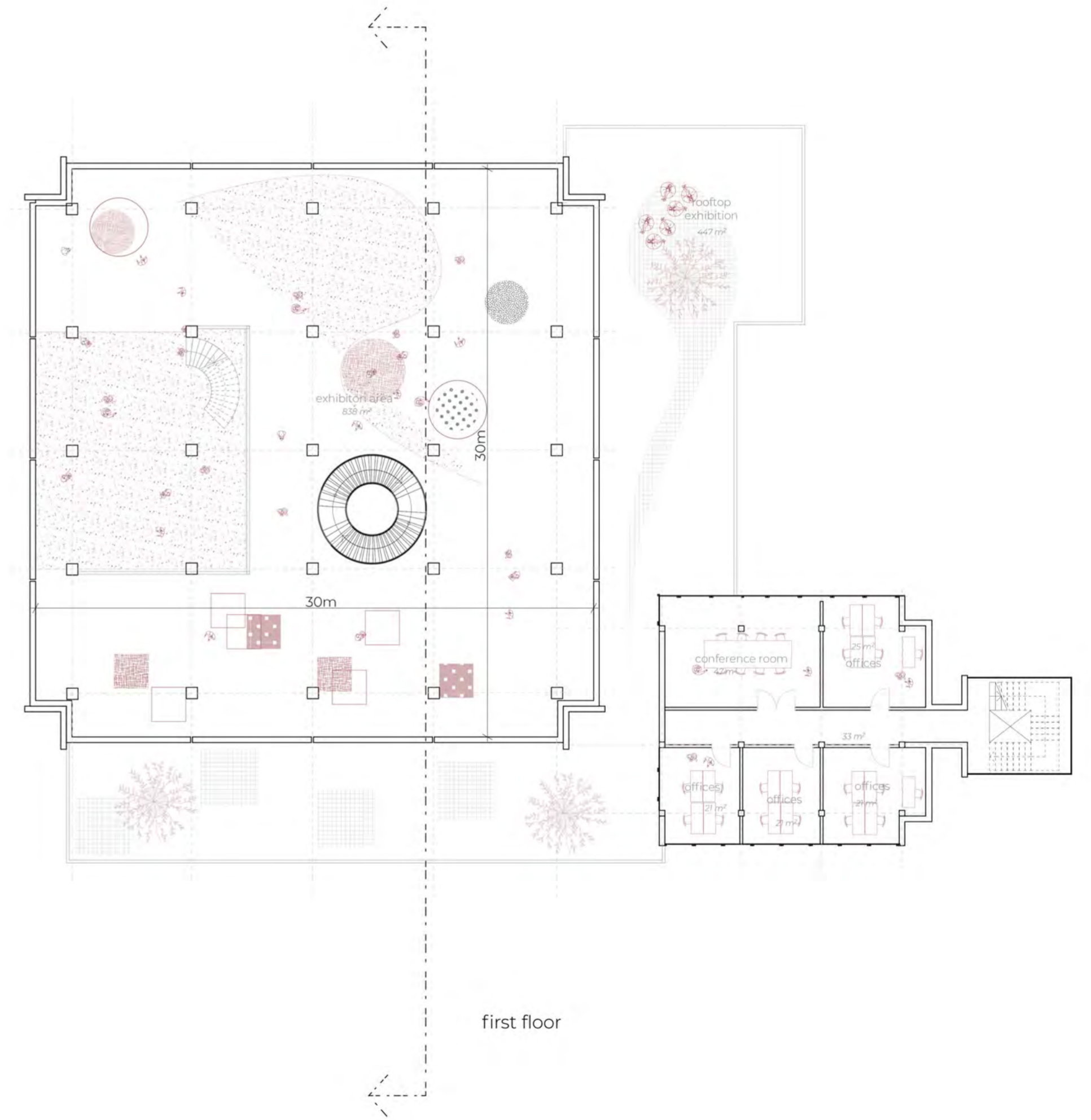
BUILDING RESTORATION



CITY CENTRE
MODERN ART MUSEUM

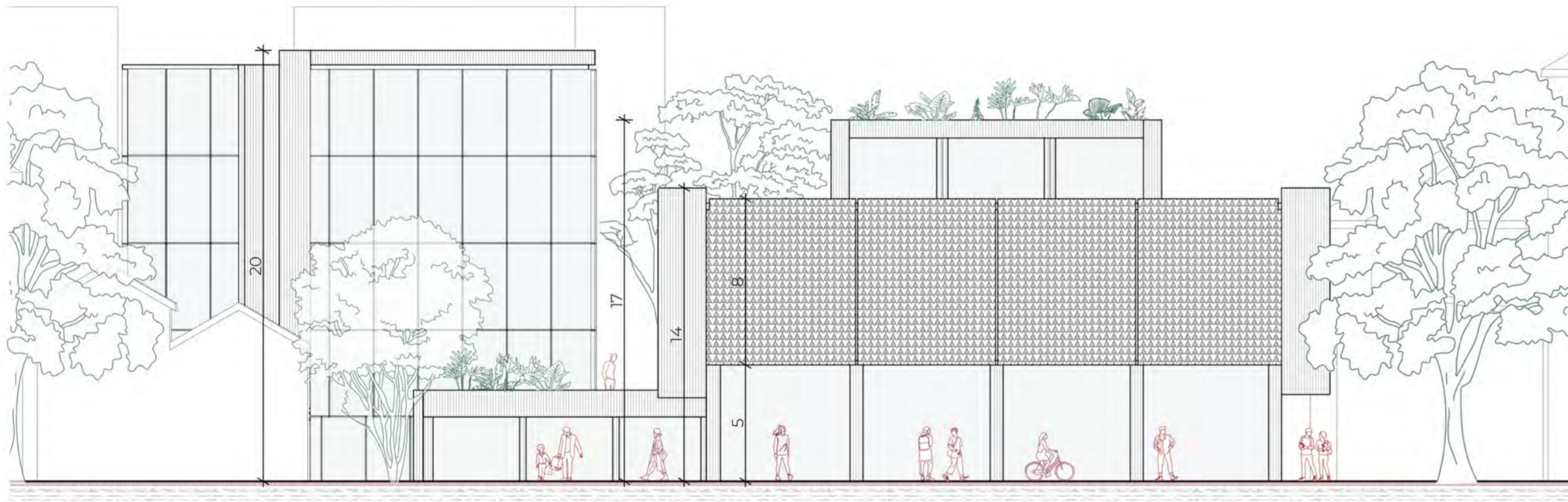


ground floor

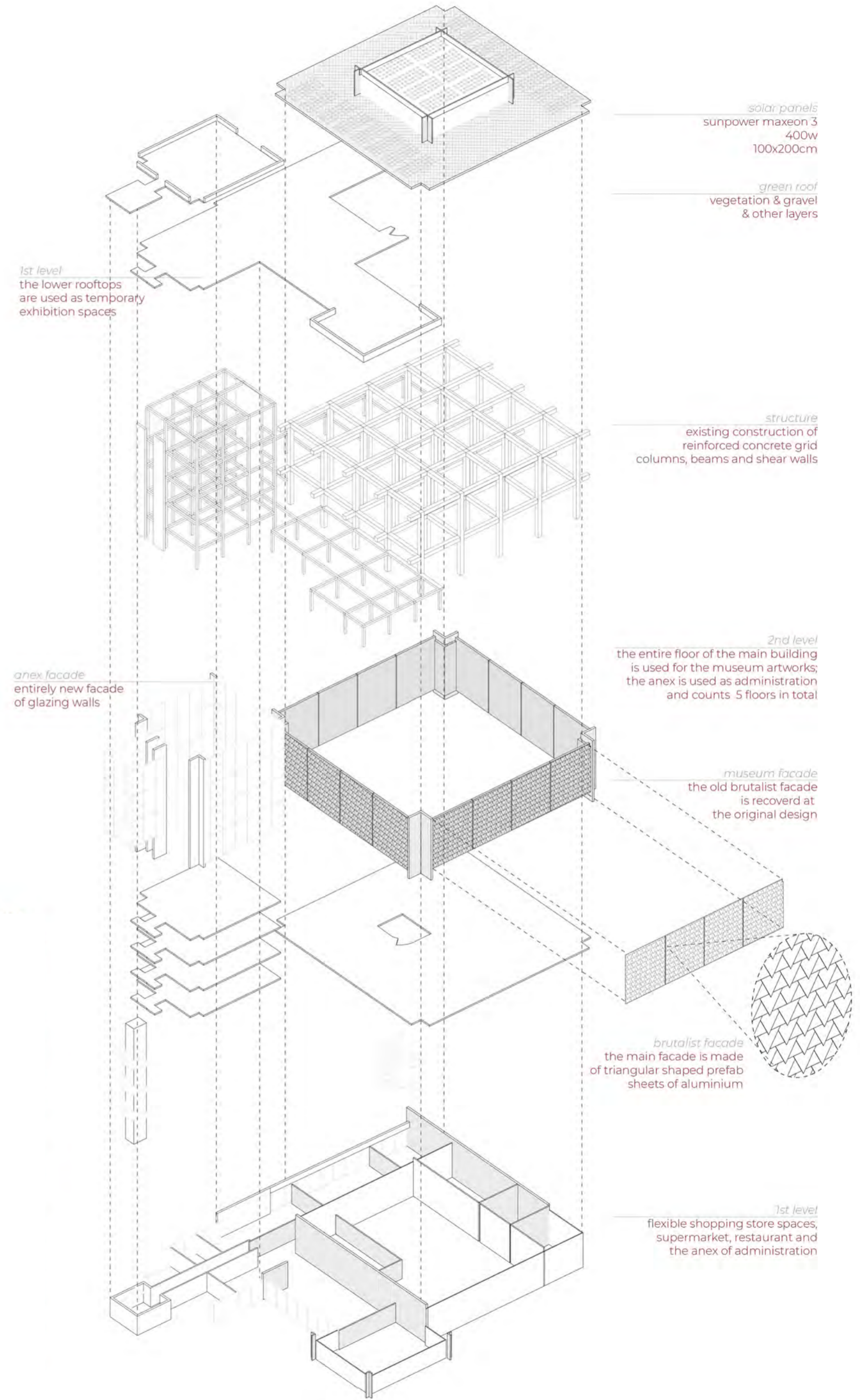


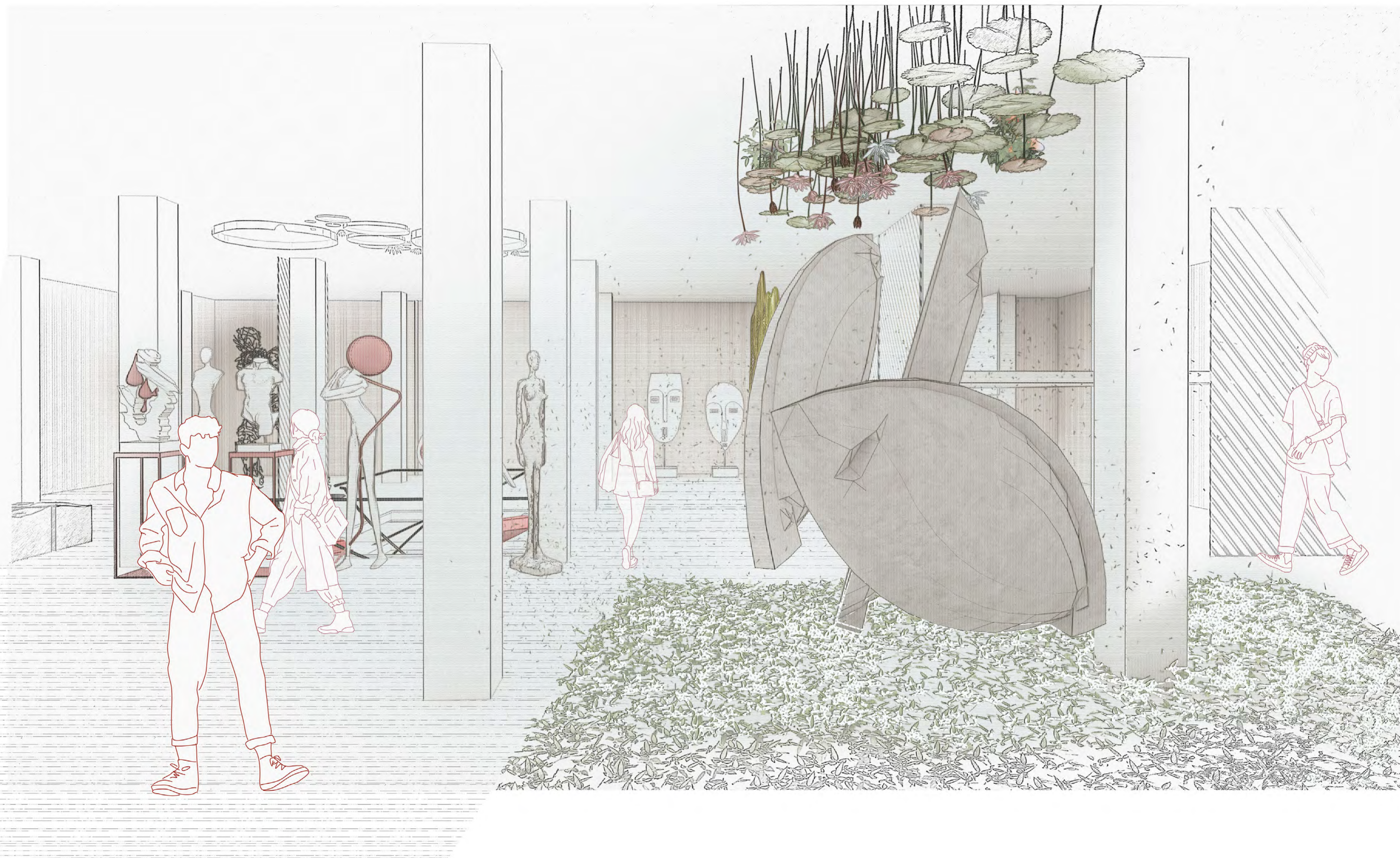
first floor

CITY CENTRE
MODERN ART MUSEUM



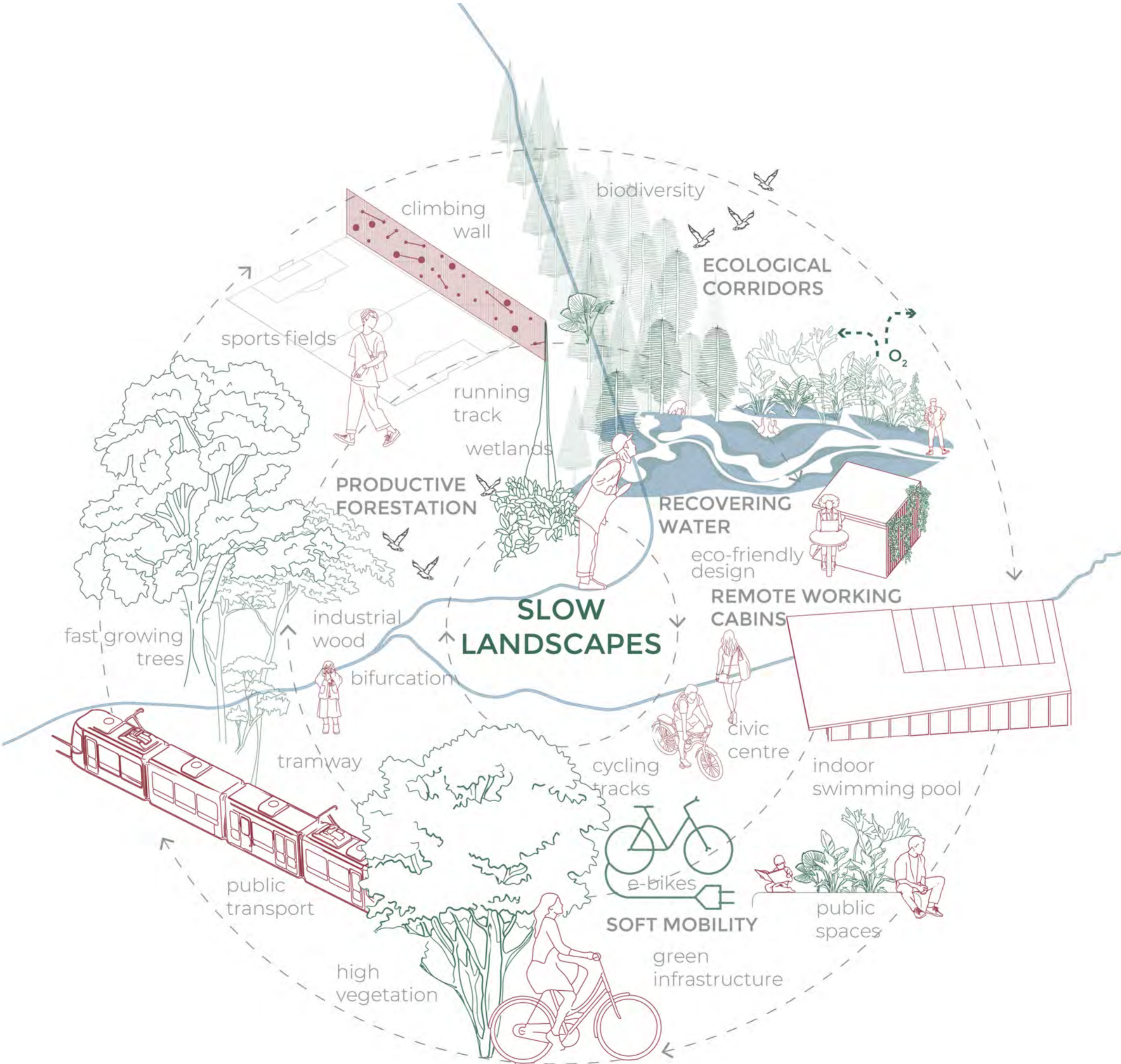
elevation







GREEN-EDGE



INTERVENTIONS IN LANDSCAPE

Nerodime River & its Bifurcation

before after



FORESTATION & INDUSTRIAL WOOD
beech, pines, oak, poplar, willow, nuts

Degraded Landscapes



PARKS & RECREATION SPACES
playground, sport & resting areas
in different locations

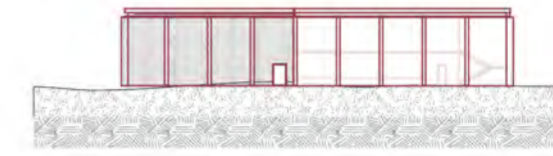


WETLANDS
large area of wetland landscape
designed for education, culture,
recreation & environment

ADDITION OF BUILDINGS AND INFRASTRUCTURE

Degraded & Abandoned Landscapes

before after



NEW PREFAB BUILDINGS FOR SPORTS AND CULTURAL ACTIVITIES
eco-friendly design



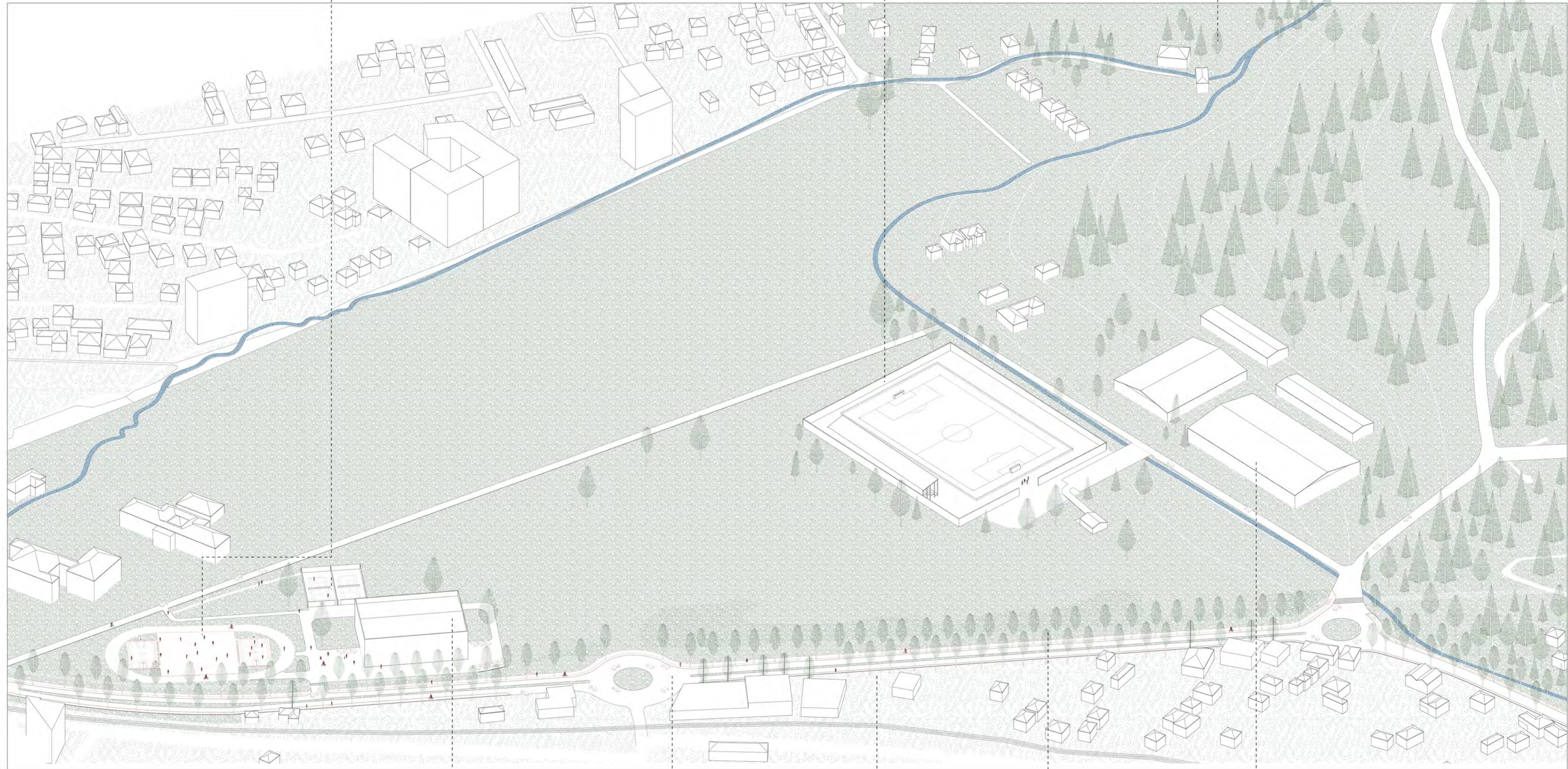
PUBLIC INFRASTRUCTURES
public plots of orthogonal shape
in sizes from 5x5m to 20x20m

EXISTING CONDITION
GREEN-EDGE
 ISOMETRIC VIEW

Outdoor Sports Courts
*newly built tennis courts
 and old basketball fields*

Football Field
newly built

Bifurcation of Nerodime
*natural heritage, draining separately to
 the Black Sea and the Aegean Sea*



- | | |
|--------------------------------|------------------------------------|
| <i>Fagus sylvatica</i> (beech) | <i>Quercus alba</i> (oak) |
| <i>Picea</i> (pines) | <i>Castanea crenata</i> (chestnut) |
| <i>Populus nigra</i> (poplar) | <i>Juglans regia</i> (walnut) |

"Bill Clinton" Sports Hall
*modernist building
 of brutal facade*

st. Brahim Ademi
*4 lane street, with
 soft mobility paths*

Railway
*main railway
 route*

Tree Rows
*healthy trees
 along the road*

Industrial Factories
Minex Peanut Factory

50m

PROPOSAL
GREEN-EDGE
 ISOMETRIC VIEW

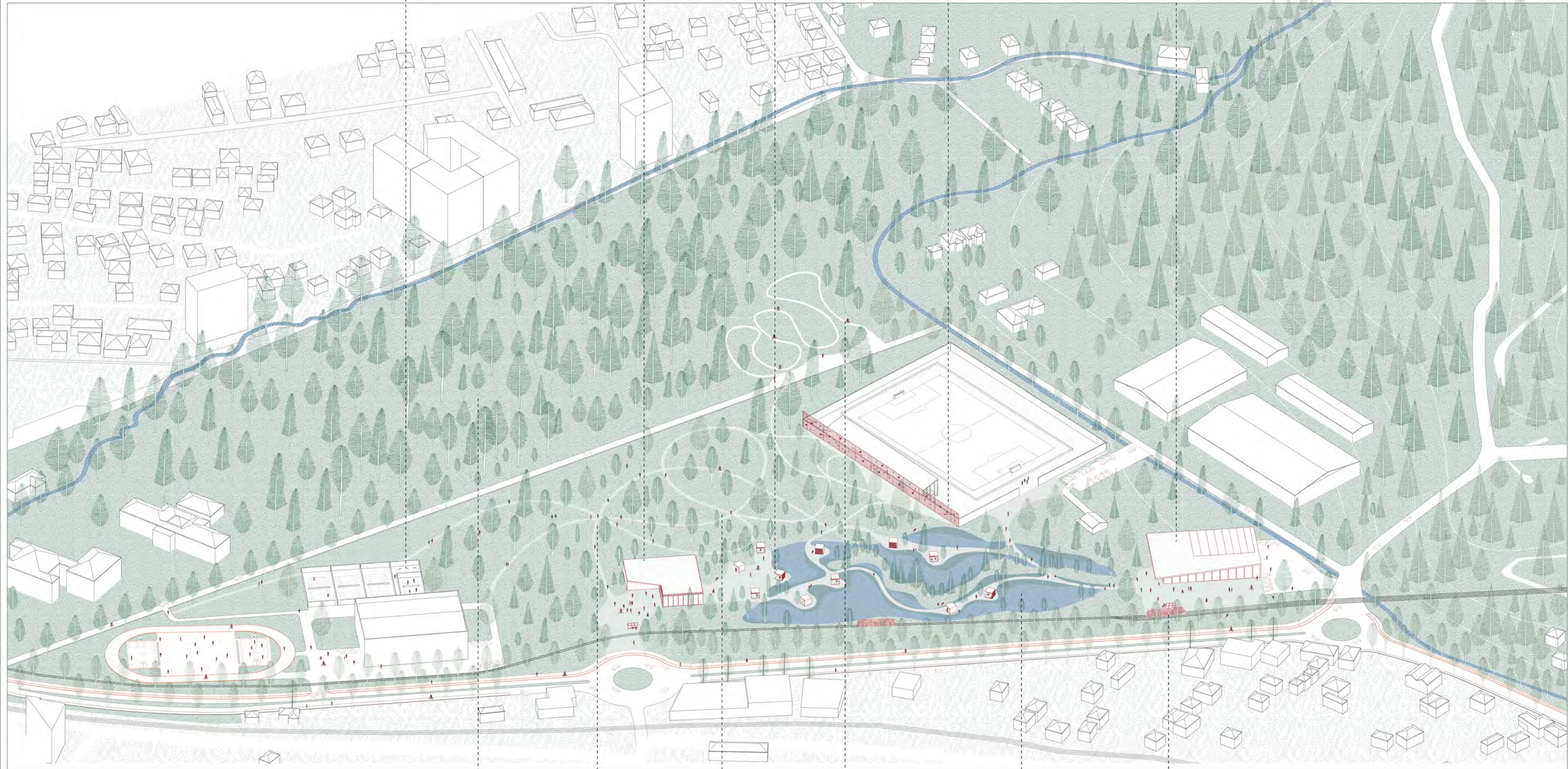
Sports Fields
 volleyball, tennis
 courts

Civic Center
 socio-education
 workshop spaces

Remote Working Cabins
 semi-open cabins
 for working

Climbing Wall Playground
 recreative wall for
 different activities

Indoor Swimming Pool
 medium sports pool



- | | |
|--------------------------------|------------------------------------|
| <i>Fagus sylvatica</i> (beech) | <i>Quercus alba</i> (oak) |
| <i>Picea</i> (pines) | <i>Castanea crenata</i> (chestnut) |
| <i>Populus nigra</i> (poplar) | <i>Juglans regia</i> (walnut) |

Productive Forest
 trees cultivated
 for logging

Soft Mobility
 pedestrian &
 bike areas

Urban Park
 public park

Track Racing
 area used for
 cycling sports

Wetlands
 ponds with
 aquatic vegetation

Tramway
 public transport

50m

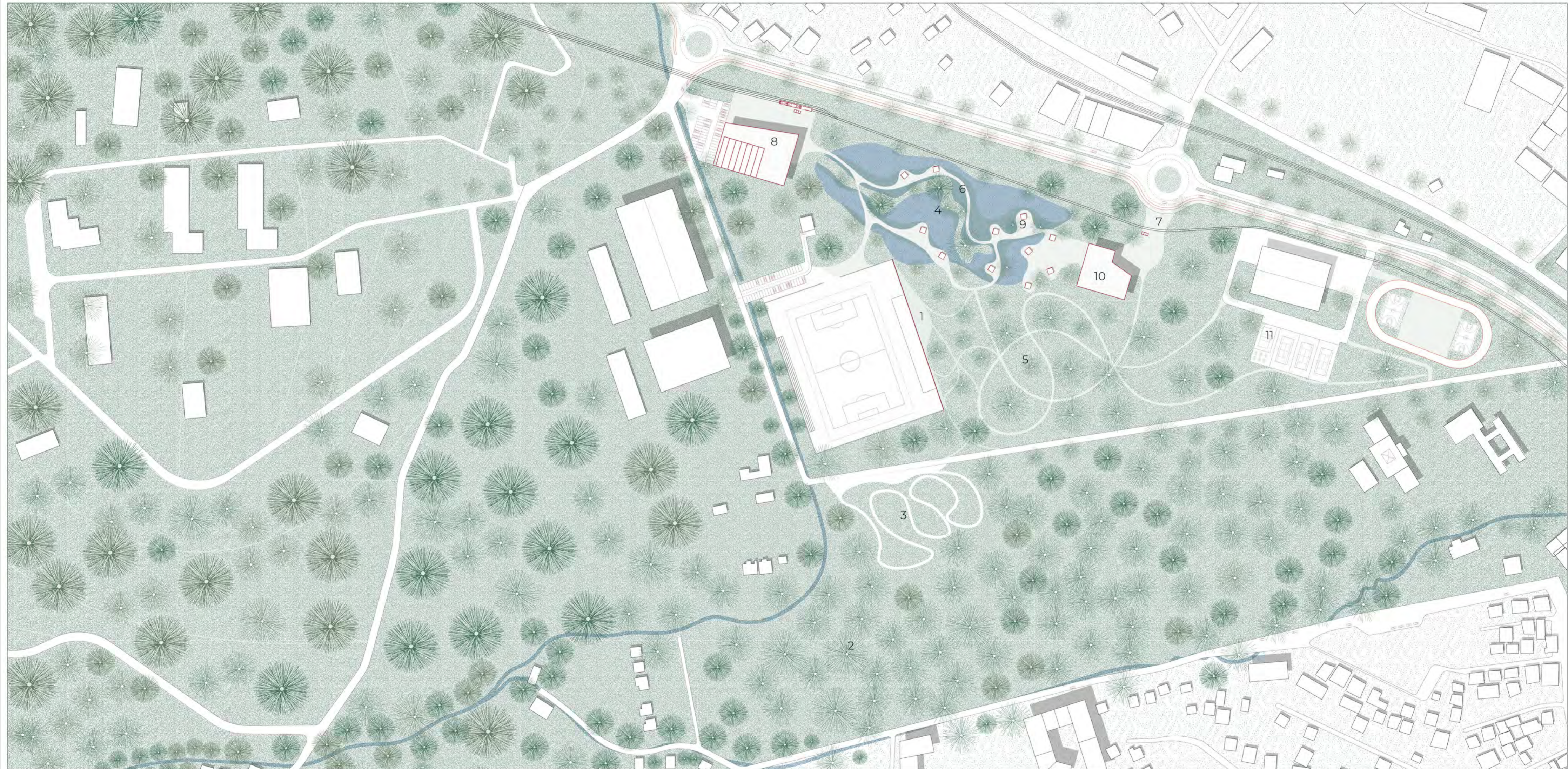
PROPOSAL
GREEN-EDGE
 PLAN VIEW

8 Indoor Swimming Pool
 medium sports pool

9 Remote Working Cabins
 semi-open cabins
 for working

10 Civic Center
 socio-education
 workshop spaces

11 Sports Fields
 volleyball, tennis
 courts



- | | |
|--------------------------------|------------------------------------|
| <i>Fagus sylvatica</i> (beech) | <i>Quercus alba</i> (oak) |
| <i>Picea</i> (pines) | <i>Castanea crenata</i> (chestnut) |
| <i>Populus nigra</i> (poplar) | <i>Juglans regia</i> (walnut) |

1 Climbing Wall Playground
 recreative wall for
 different activities

2 Productive Forest
 trees cultivated
 for logging

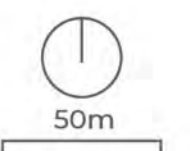
3 Track Racing
 area used for
 cycling sports

4 Wetlands
 ponds with
 aquatic vegetation

5 Urban Park
 public park

6 Soft Mobility
 pedestrian &
 bike areas

7 Tramway
 public transport

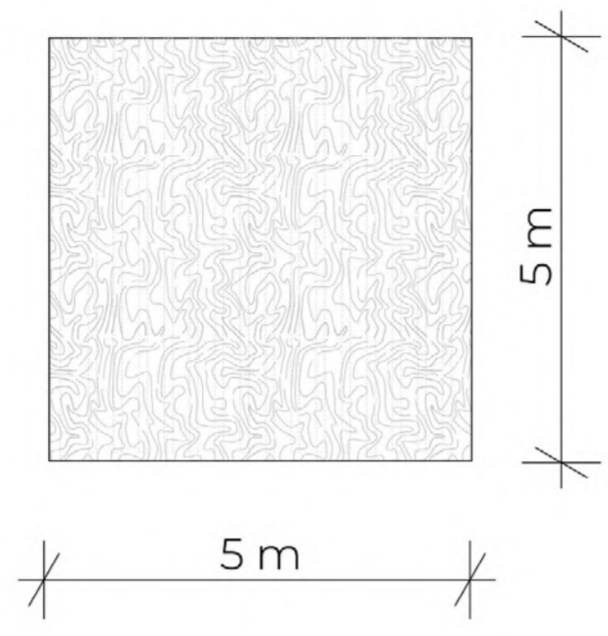
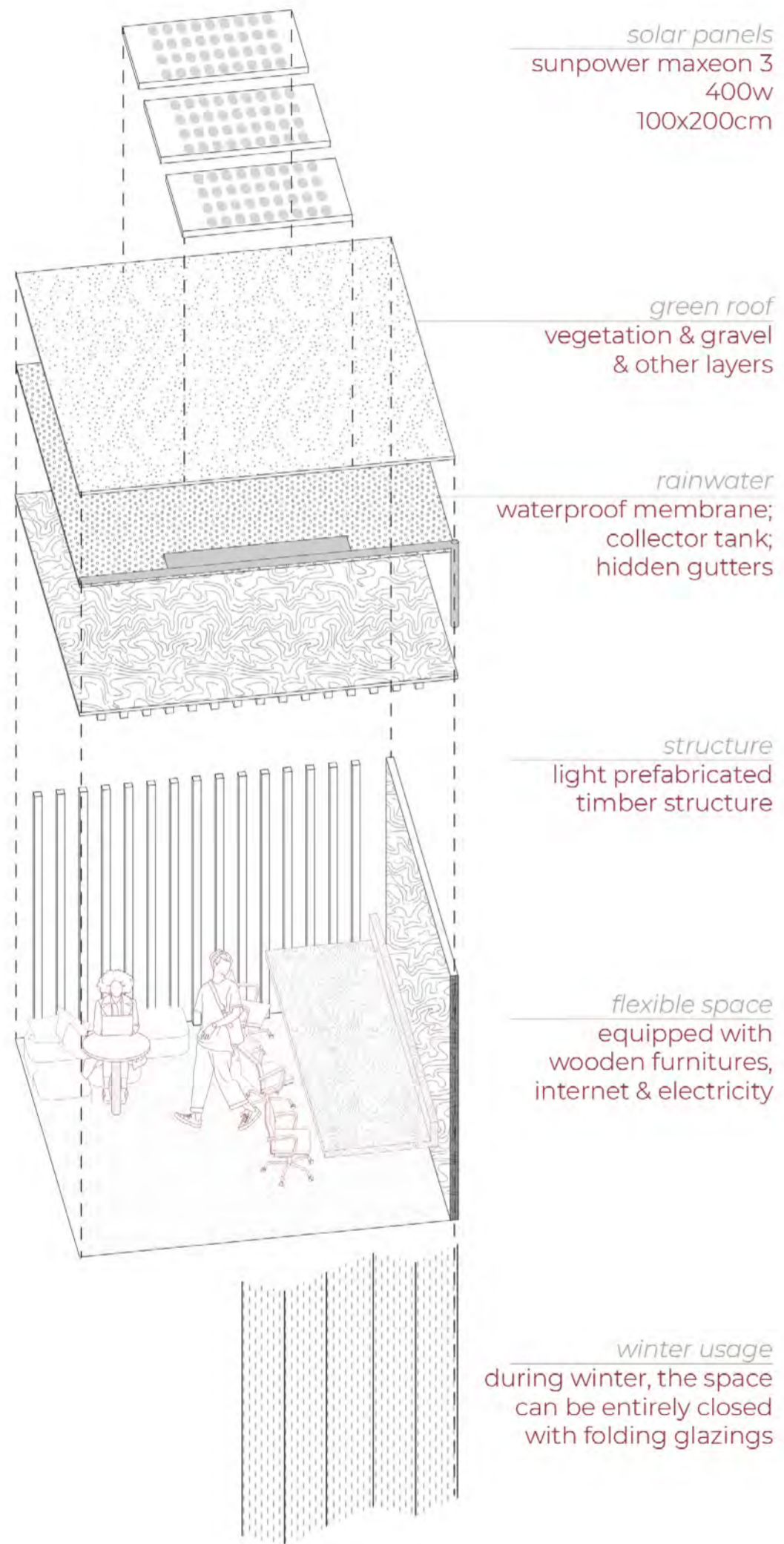


REMOTE WORKING CABINS

NEW BUILDING DESIGN



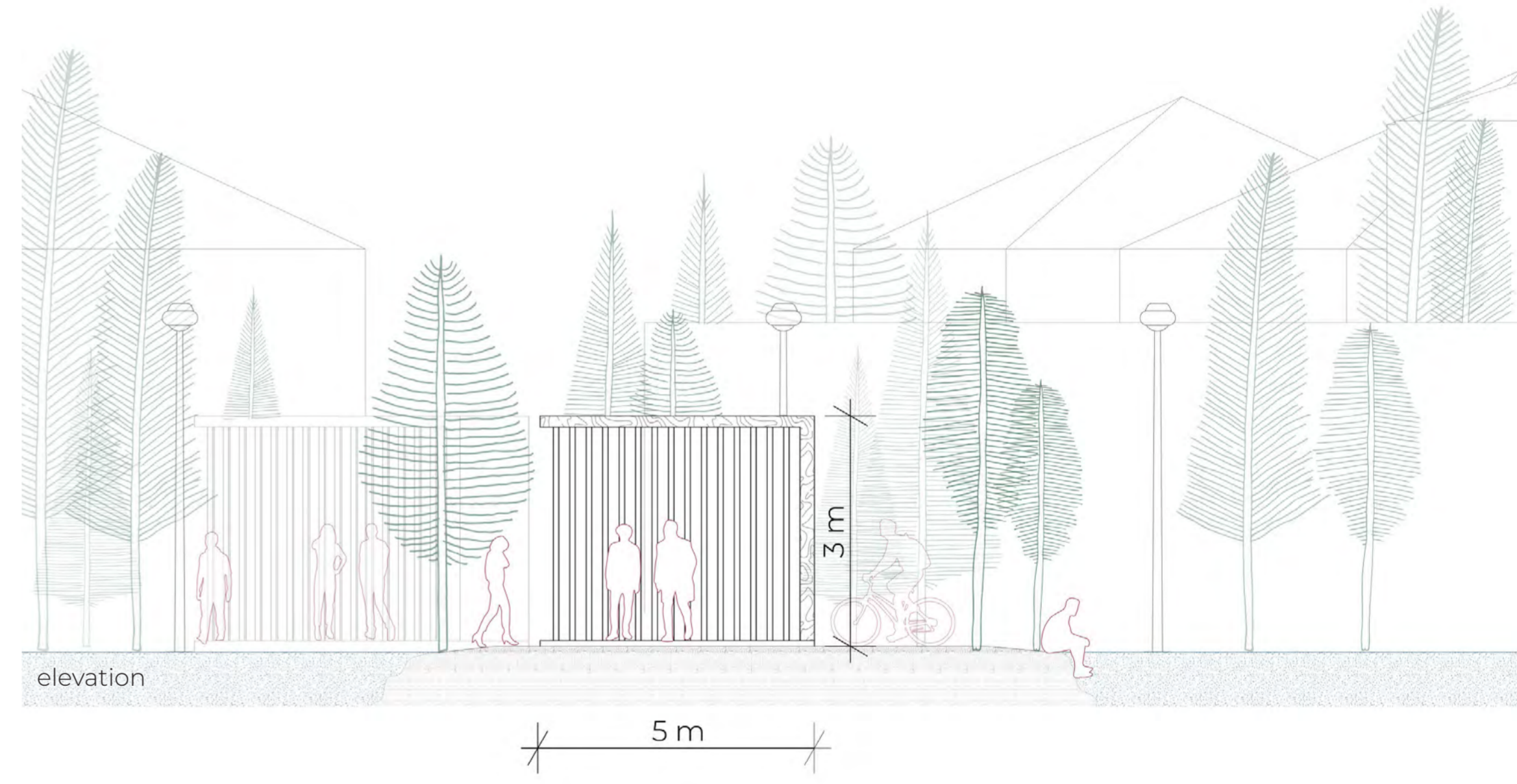
**GREEN-EDGE
REMOTE WORKING
CABINS**



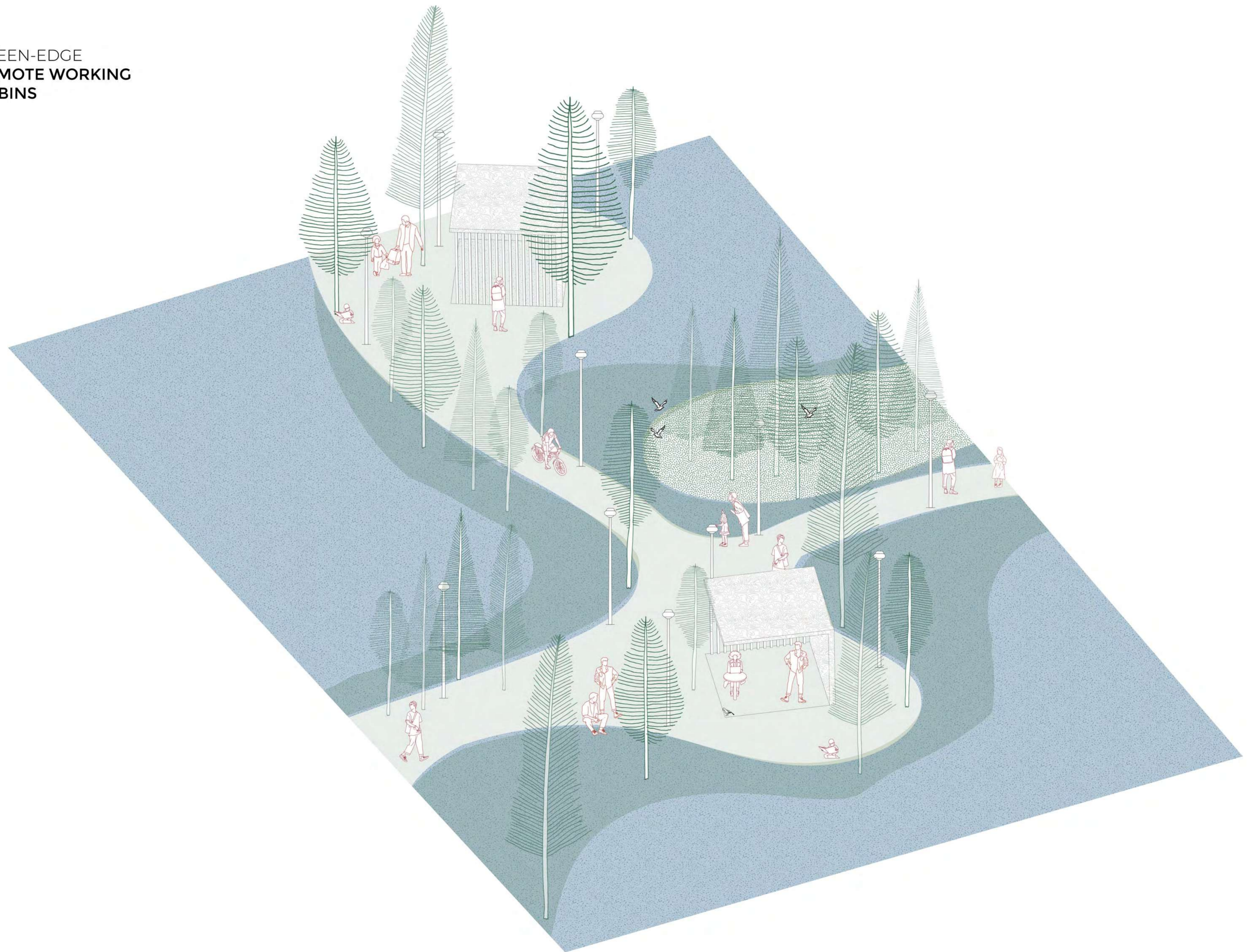
rooftop



floor plan

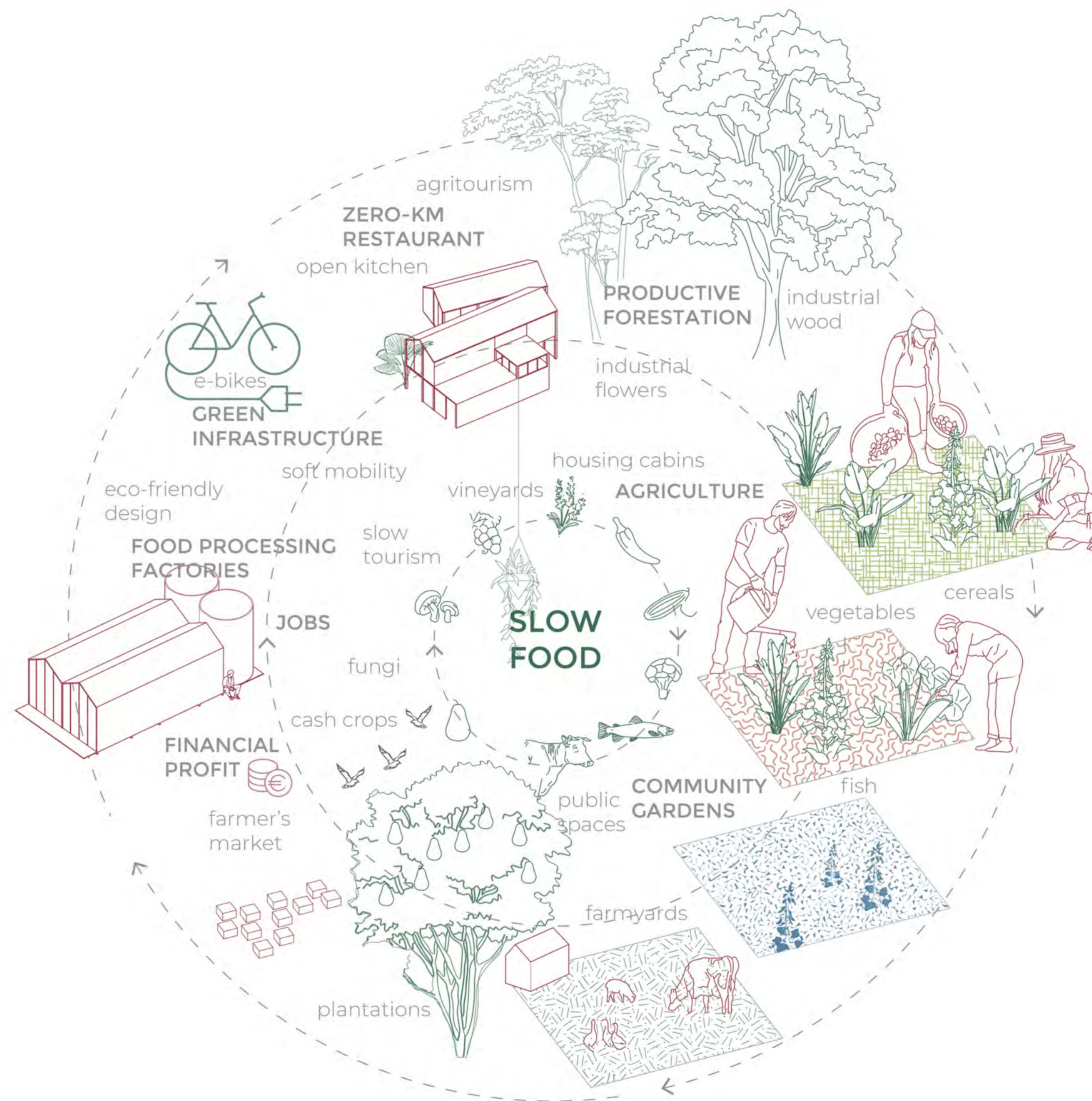


GREEN-EDGE
REMOTE WORKING
CABINS

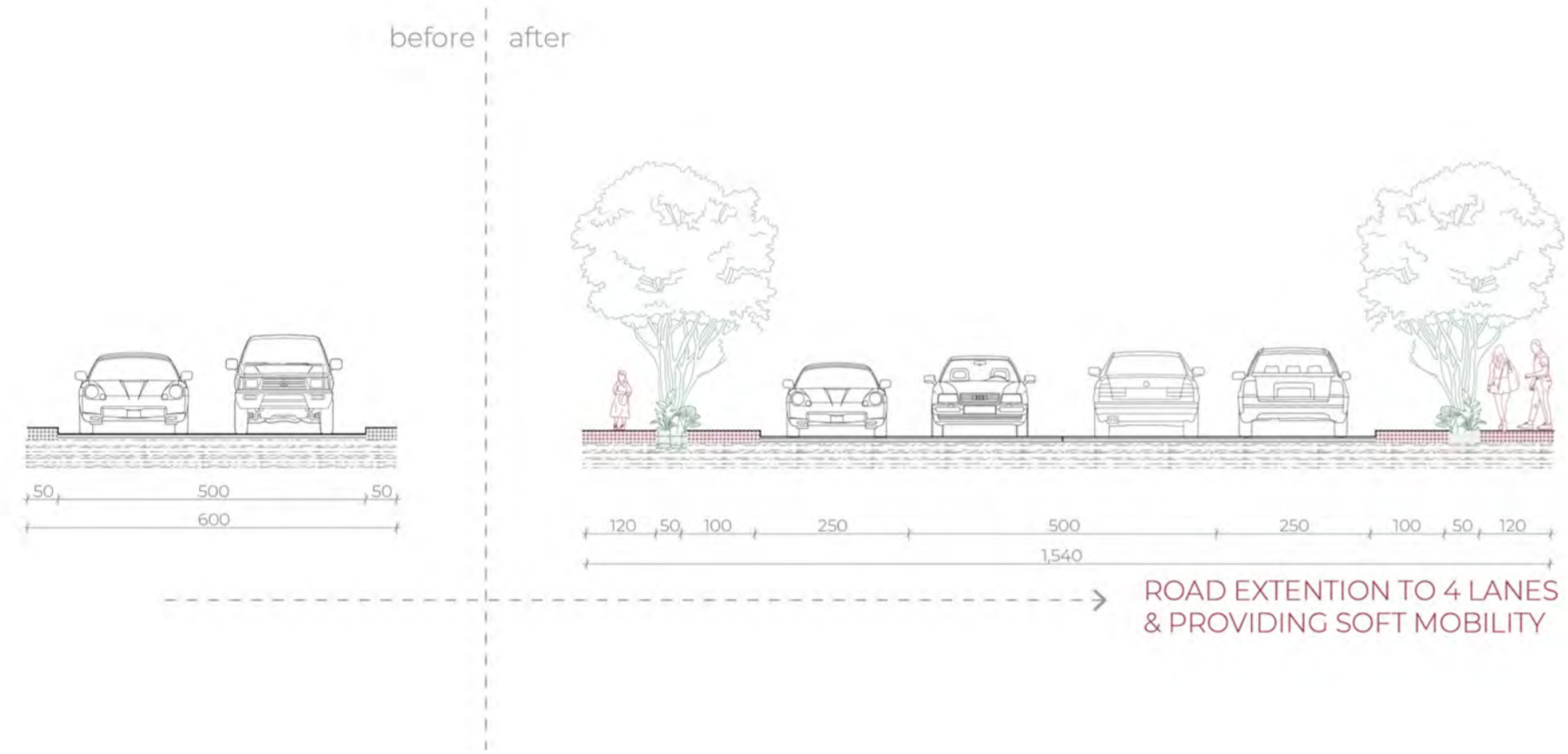




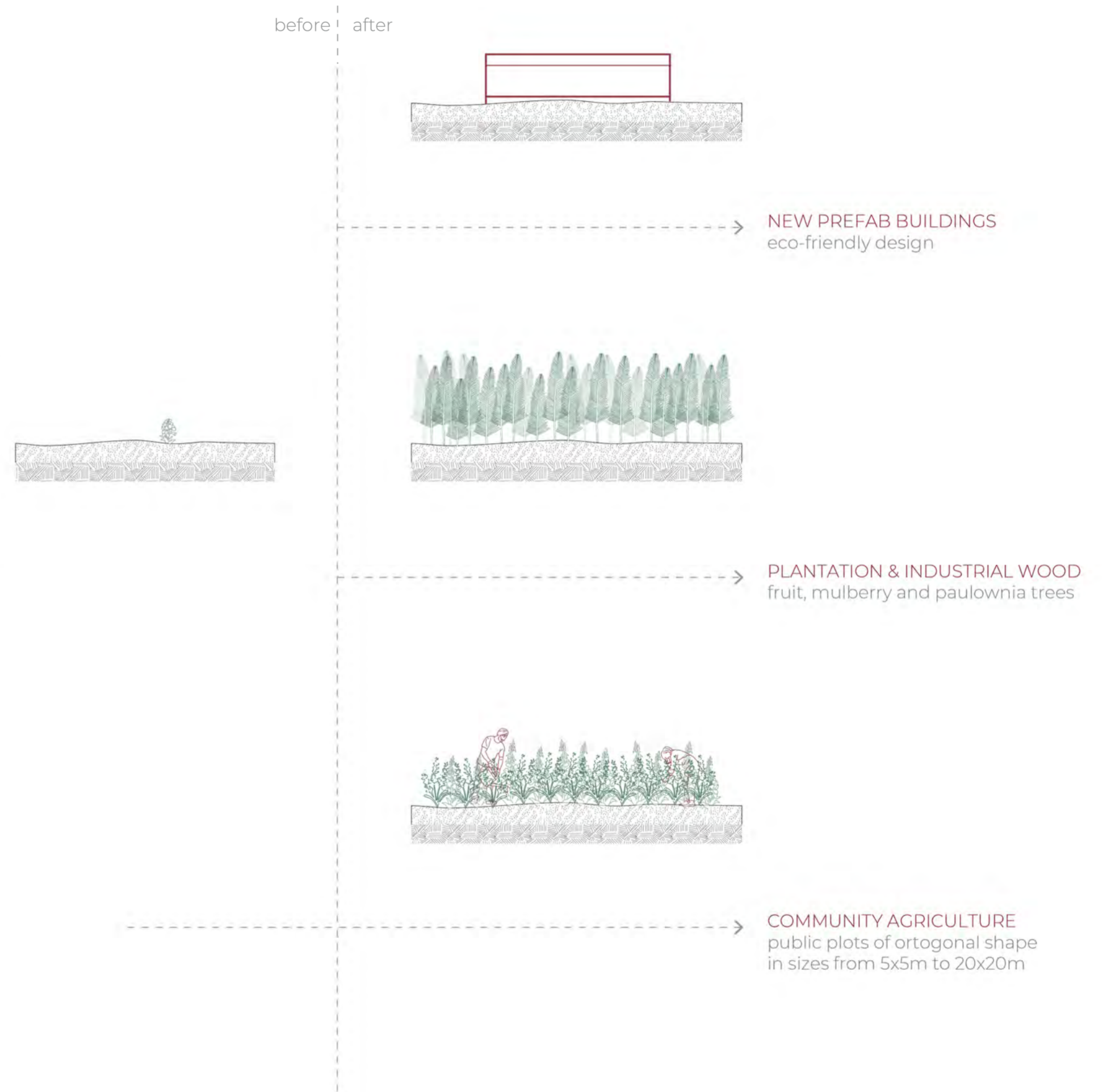
AGRI-EDGE



INTERVENTIONS IN INFRASTRUCTURE



INTERVENTIONS IN LANDSCAPE

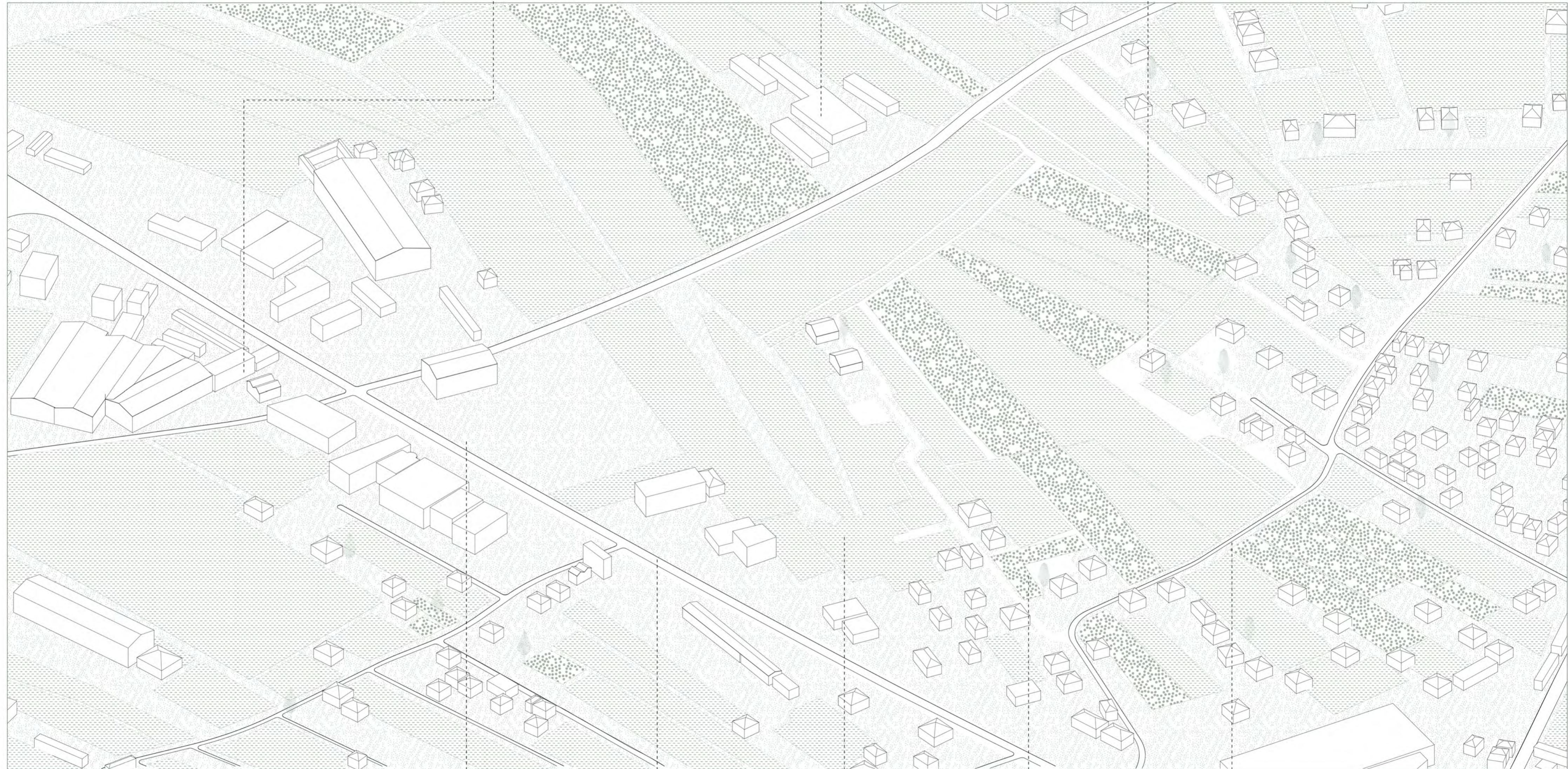


EXISTING CONDITION
AGRI-EDGE
ISOMETRIC VIEW

Wood Processing Businesses
many buildings dedicated to wood activities

Commercial Box Architecture
diverse buildings of commercial use

Individual Housing
small houses, almost merged with villages



No Trees
the whole area is with almost no trees

Transit Road
severely degraded road connects to motorway and major cities

Abandoned fields
areas which used to be agricultural

Almost active fields
used occasionally for agriculture, mostly grain

Local Roads
different roads connecting villages

PROPOSAL
AGRI-EDGE
 ISOMETRIC VIEW

Farmer's Market
 public area for
 farmers profit

Agricultural Hub
 zero kilometer restaurant
 & agri-education spaces

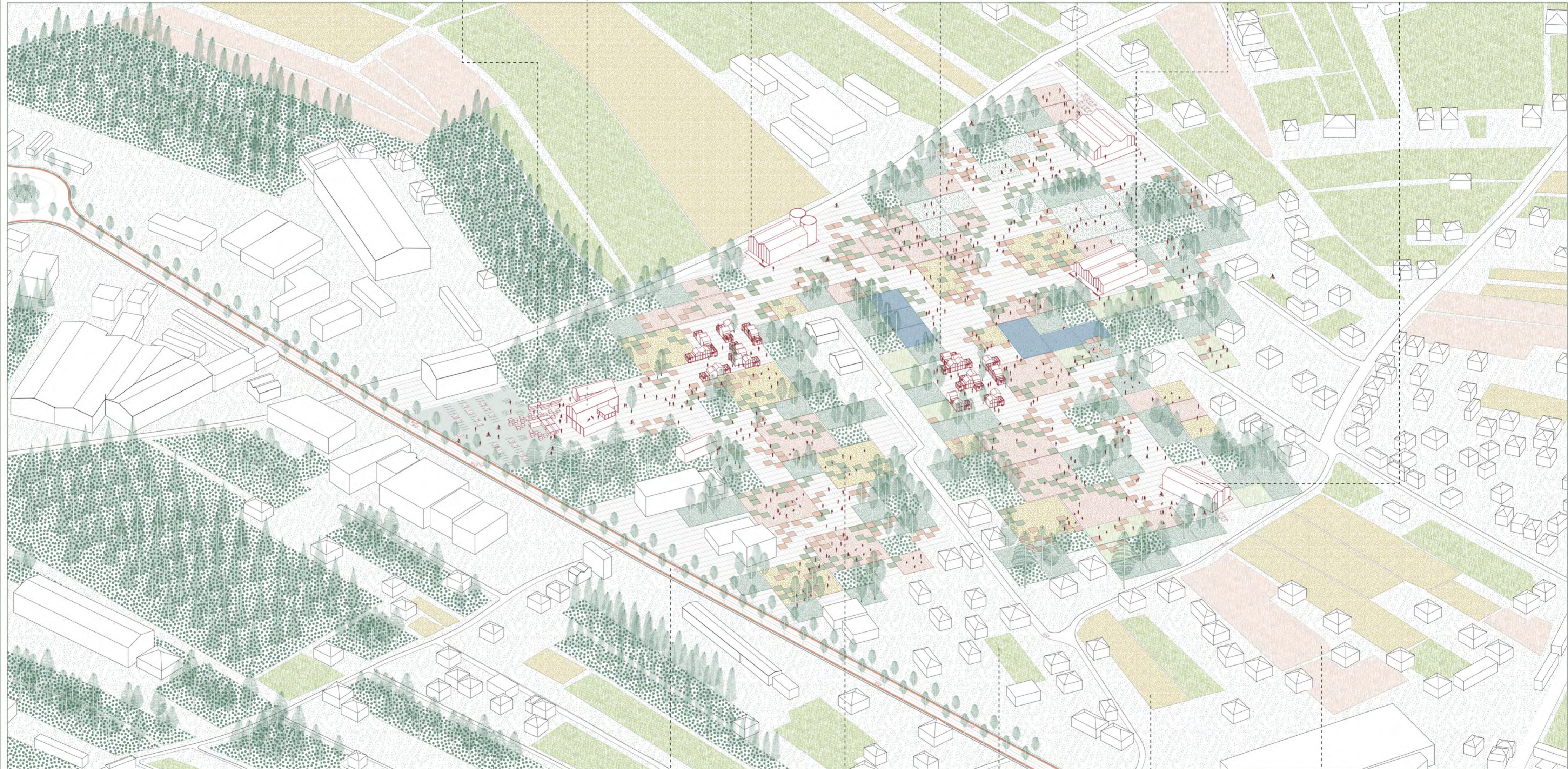
Cereals Factory
 cooperating with
 all grain fields in
 the surrounding

Housing Cabins
 flexible cabins to
 promote slow
 agritourism

Cheese Products
 Factory
 cooperating with
 surrounding farms

Fruit & Vegetable
 Processing Factory
 open factory, working
 with surrounding fields

Winery
 cooperating with
 surrounding areas
 of vineyards



Morus alba (mulberry)

Prunus trees (cherry)

Picea (pines)

Malus trees (apple)

Paulownia tomentosa

Fagus sylvatica (beech)

Plantations
 different tree species
 used for productive
 purposes

Transit Road
 extending to 4 lanes
 adding soft mobility
 & vegetation

Agri Mosaic
 small plots dedicated
 to public agriculture

Vegetable Crops
 personal gardens
 of individual houses

Cereal Crops
 enhanced existing
 fields of grains

Cash Crops
 cotton, lavender
 mushrooms, etc

50m

PROPOSAL
AGRI-EDGE
 PLAN VIEW

7 Farmer's Market
 public area for farmers profit

8 Agricultural Hub
 zero kilometer restaurant & agri-education spaces

9 Cereals Factory
 cooperating with all grain fields in the surrounding

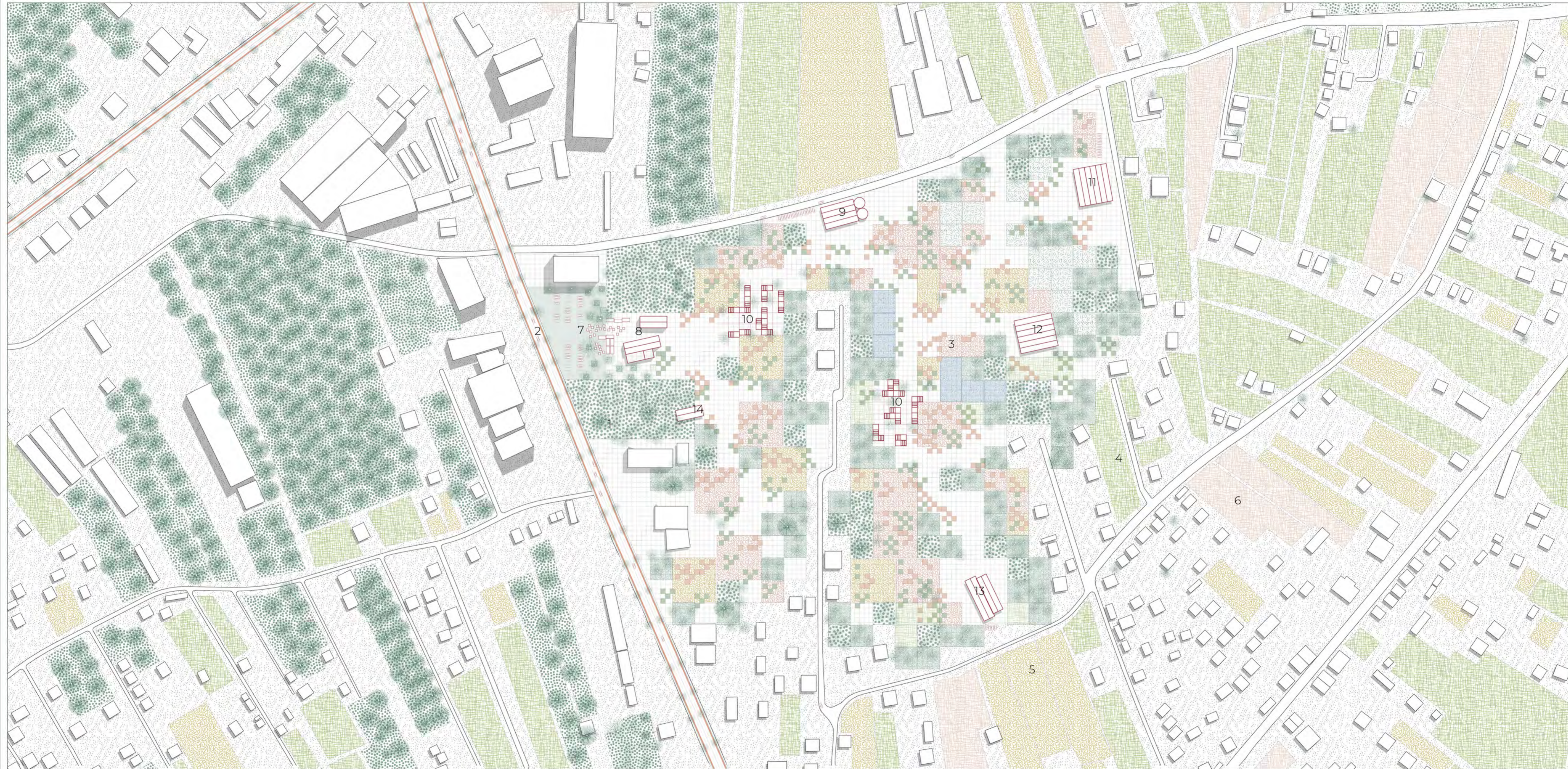
10 Housing Cabins
 flexible cabins to promote slow agritourism

11 Cheese Products Factory
 cooperating with surrounding farms

12 Fruit & Vegetable Processing Factory
 open factory, working with surrounding fields

13 Winery
 cooperating with surrounding areas of vineyards

14 Silkworm Factory
 cooperating with surrounding areas of Mulberry trees



- | | |
|------------------------------|--------------------------------|
| <i>Morus alba</i> (mulberry) | <i>Prunus trees</i> (cherry) |
| <i>Picea</i> (pines) | <i>Malus trees</i> (apple) |
| <i>Paulownia tomentosa</i> | <i>Fagus sylvatica</i> (beech) |

1 Plantations
 different tree species used for productive purposes

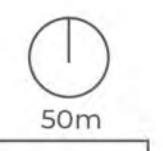
2 Transit Road
 extending to 4 lanes adding soft mobility & vegetation

3 Agri Mosaic
 small plots dedicated to public agriculture

4 Vegetable Crops
 personal gardens of individual houses

5 Cereal Crops
 enhanced existing fields of grains

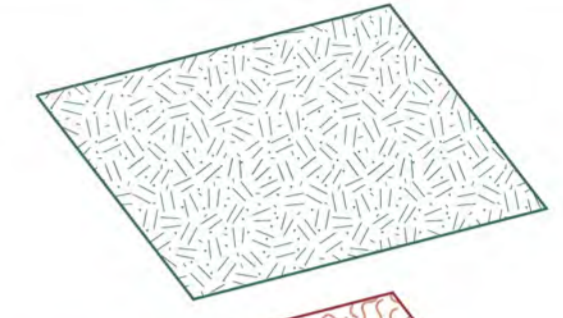
6 Cash Crops
 cotton, lavender mushrooms, etc



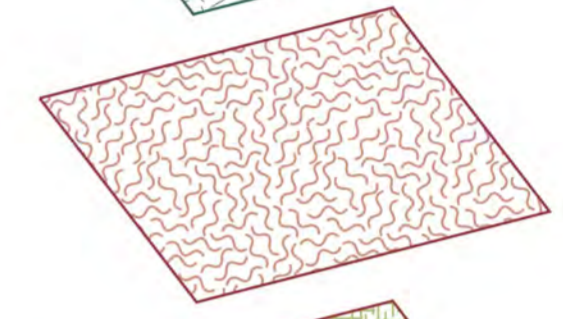
PROPOSAL
AGRI-EDGE
COMMUNITY MOSAIC



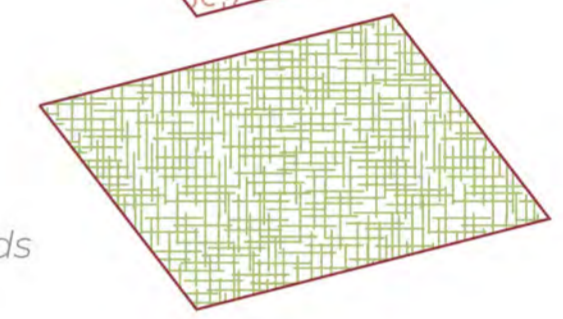
Farmyards
*areas dedicated
to farm animals*



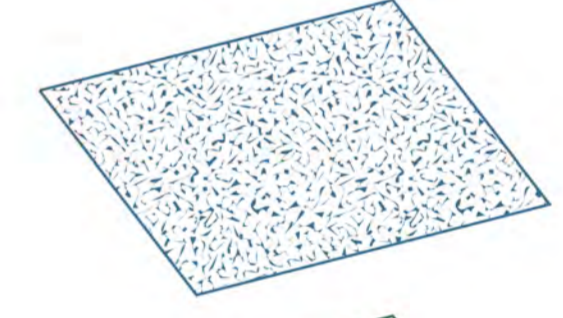
Root Vegetables
*a variety of potatoe,
garlic, carrot, onion,
turnip, beet fields, etc.*



Other Vegetables
*green, cruciferous,
nightshades, mostly
tomatoo and pepper fields*



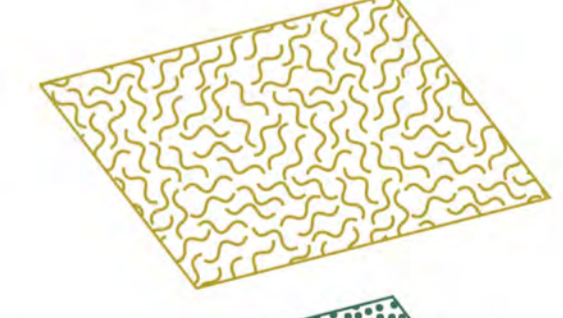
Trout & Carp Ponds
*water ponds for fish
cultivation, commonly
trout and carp species*



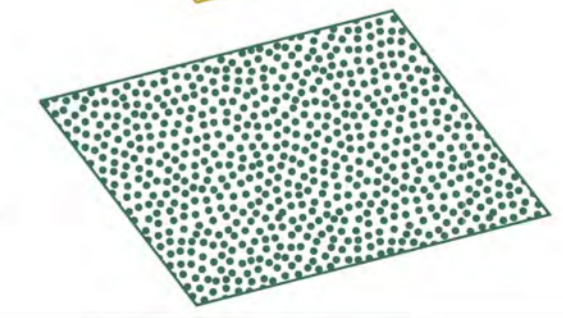
Plantation Fruits
*local fruit species,
additionally industrial
trees are present, eg.
mulberry trees*

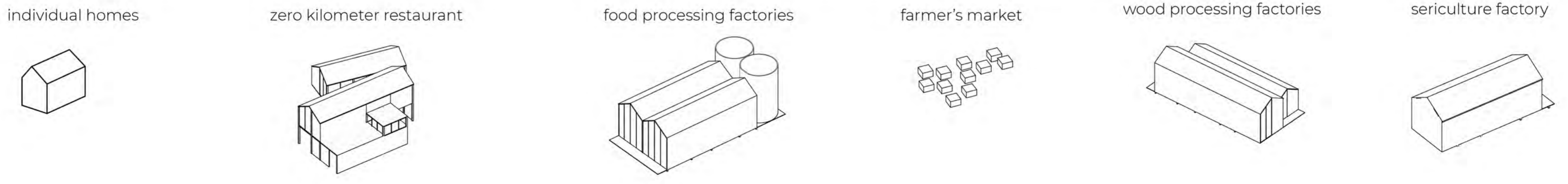
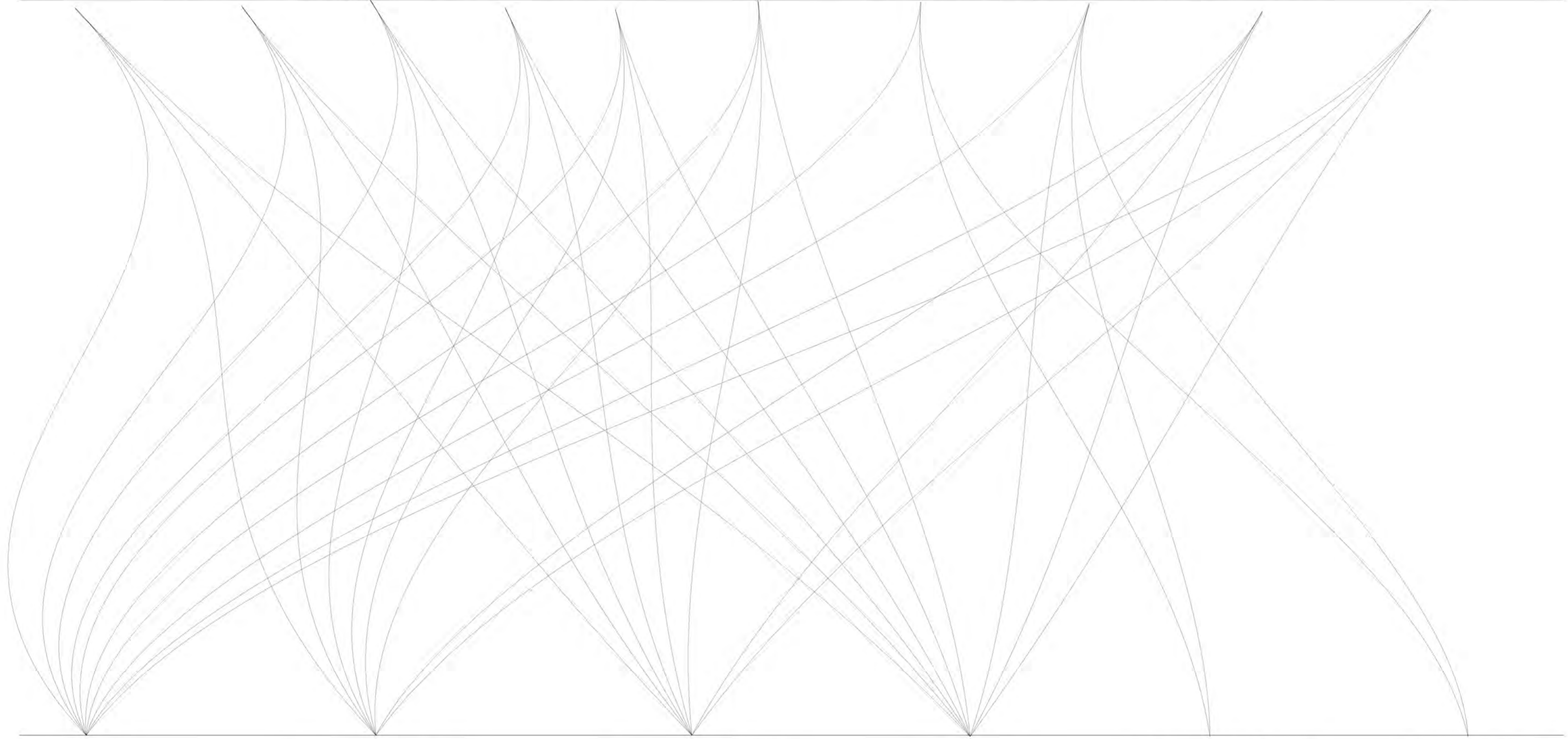
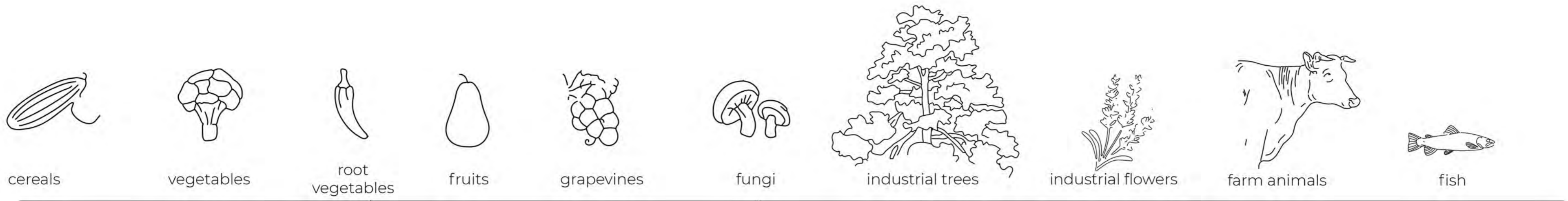


Cereals
*local grain species,
corn, wheat, barley, oat*



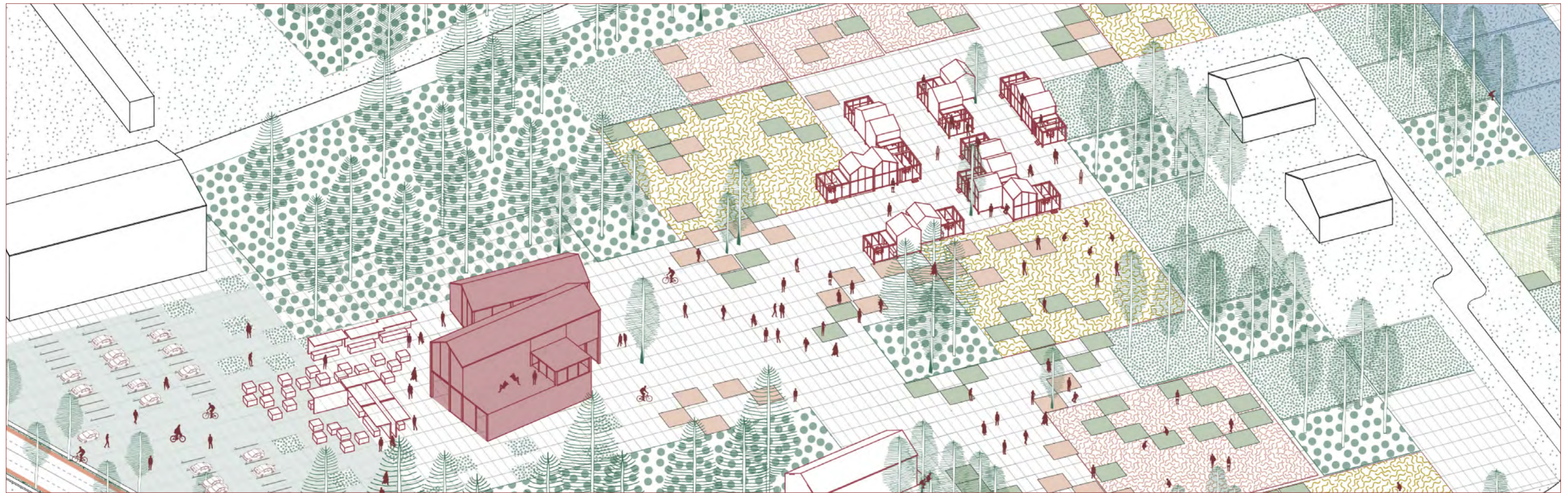
Vineyards
*grapevines, as the most
common and local plant*



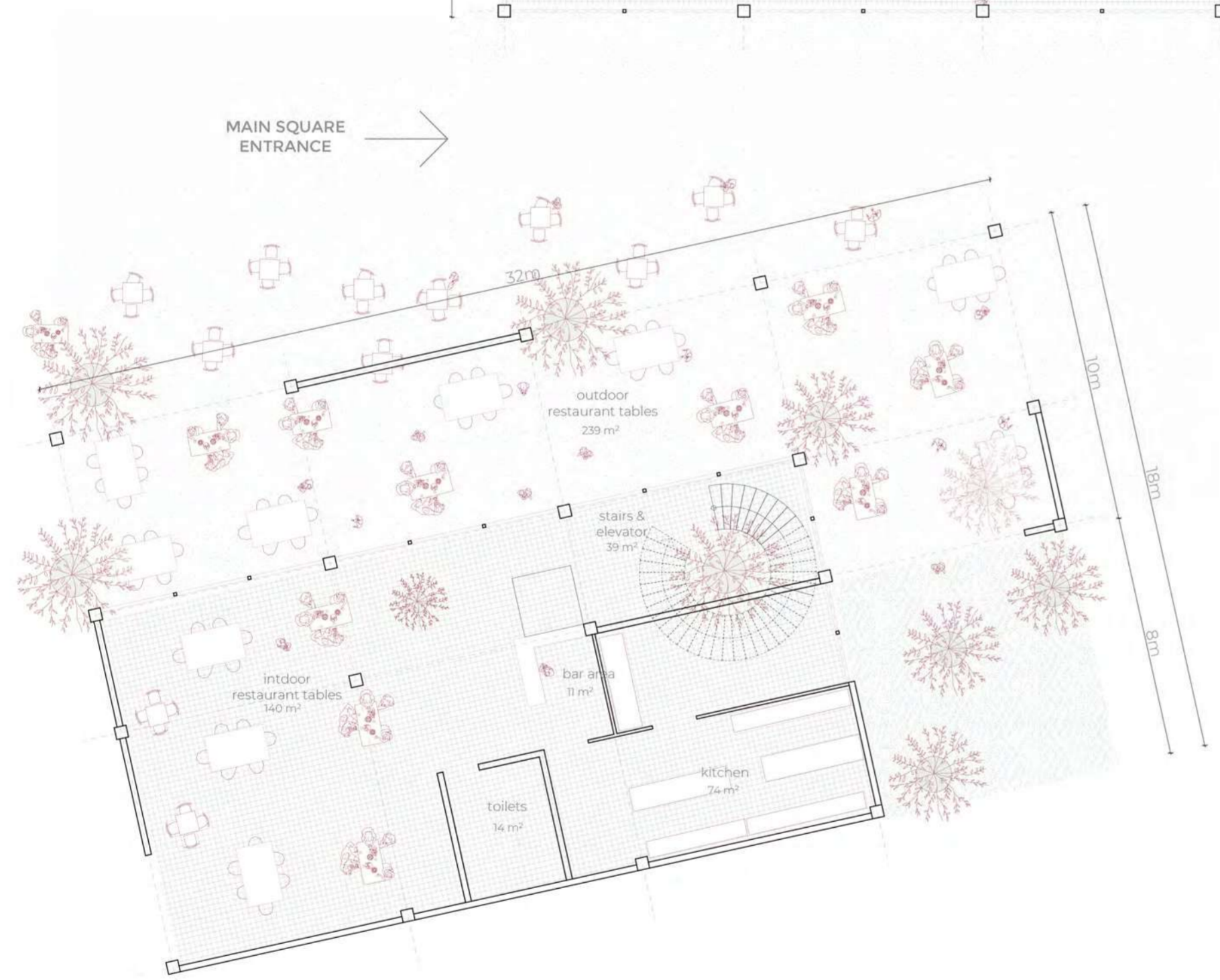
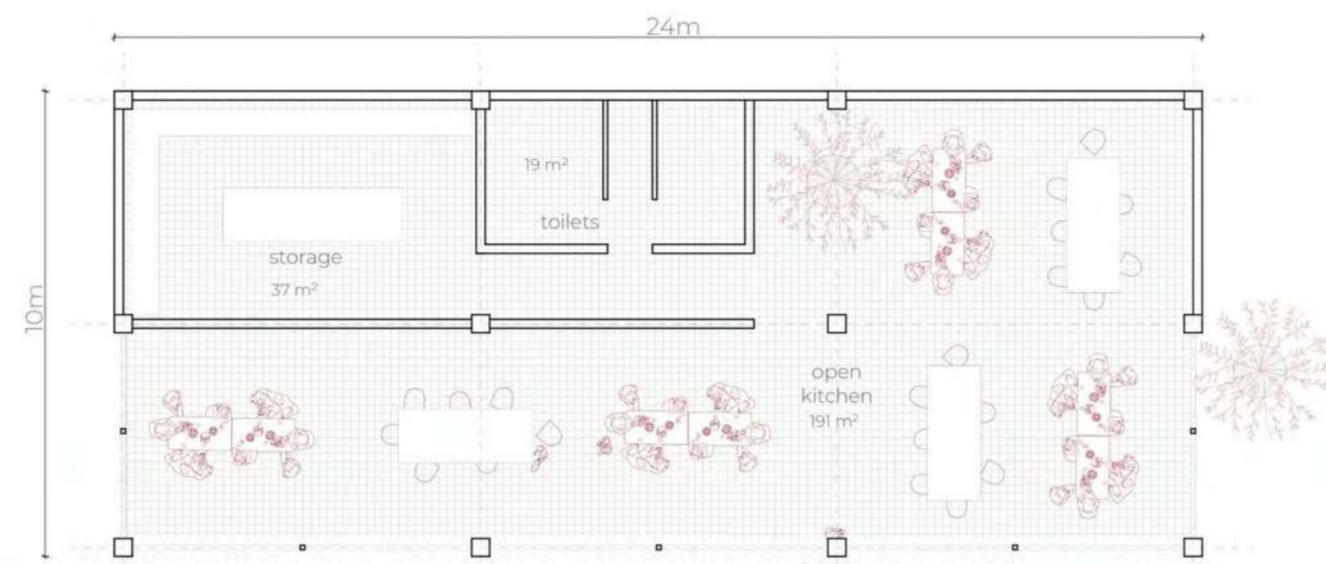
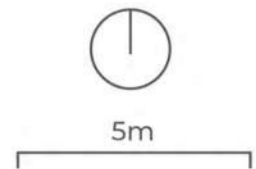


AGRICULTURAL HUB

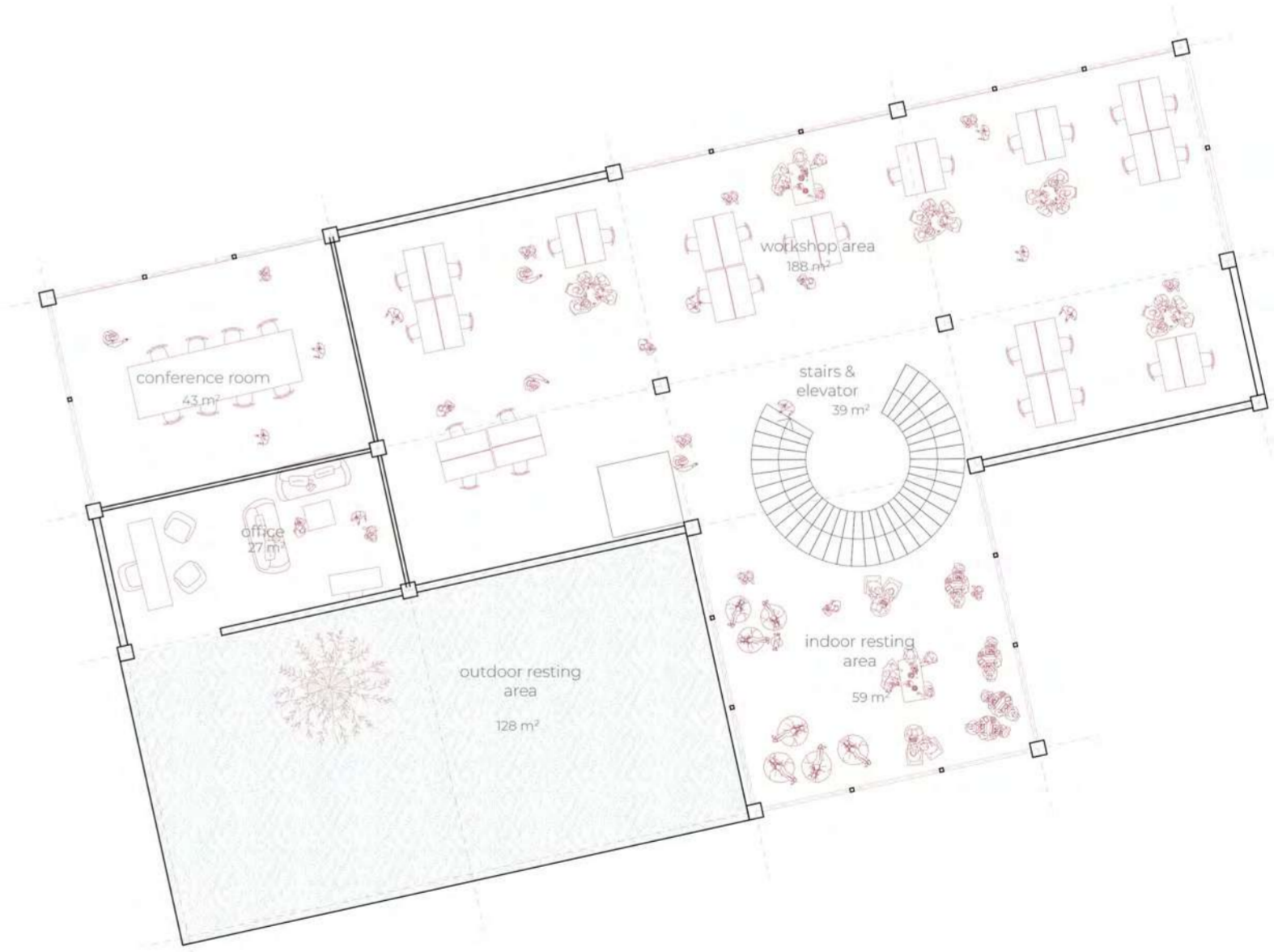
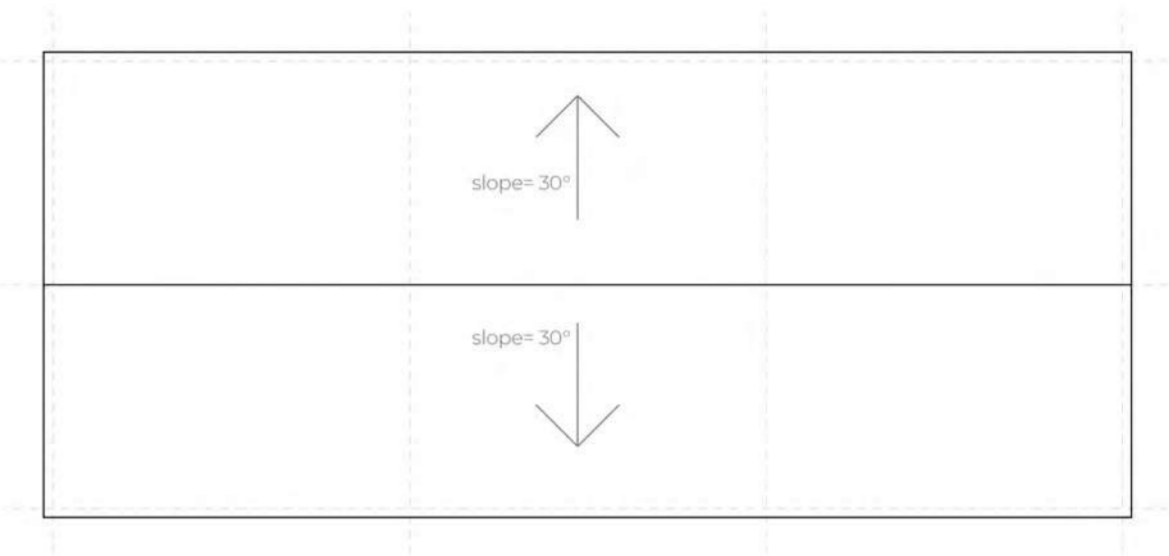
NEW BUILDING DESIGN



AGRI-EDGE
AGRICULTURAL HUB

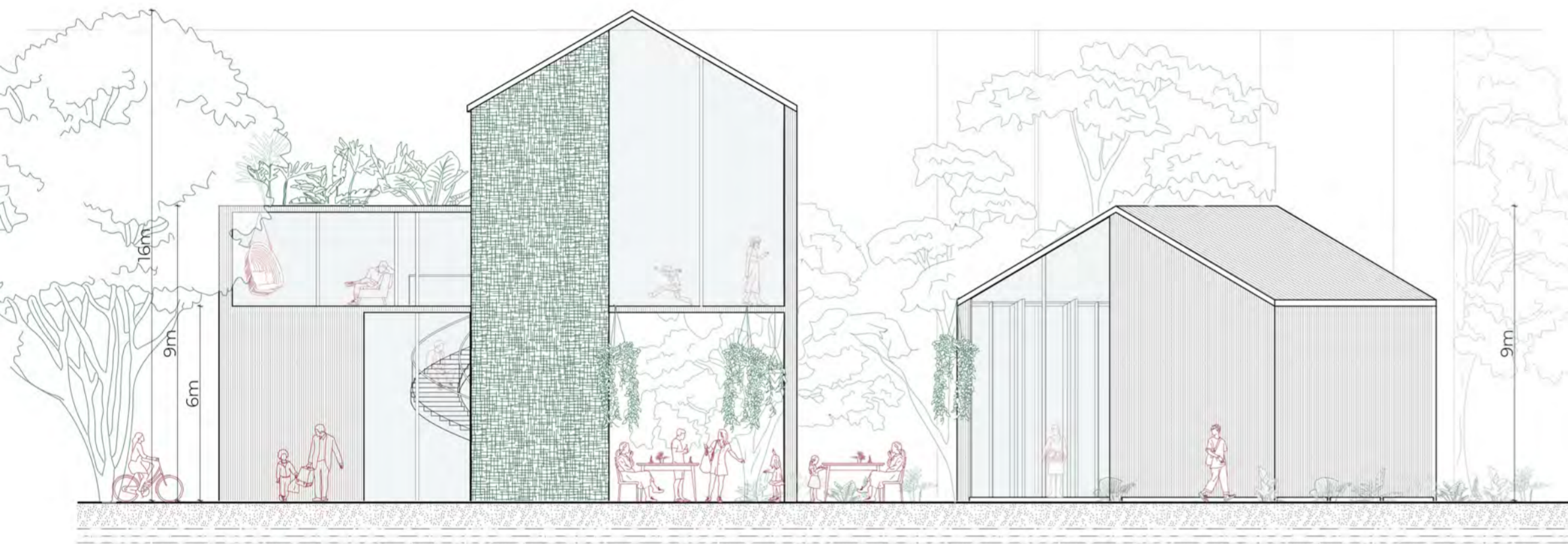


ground floor



first floor

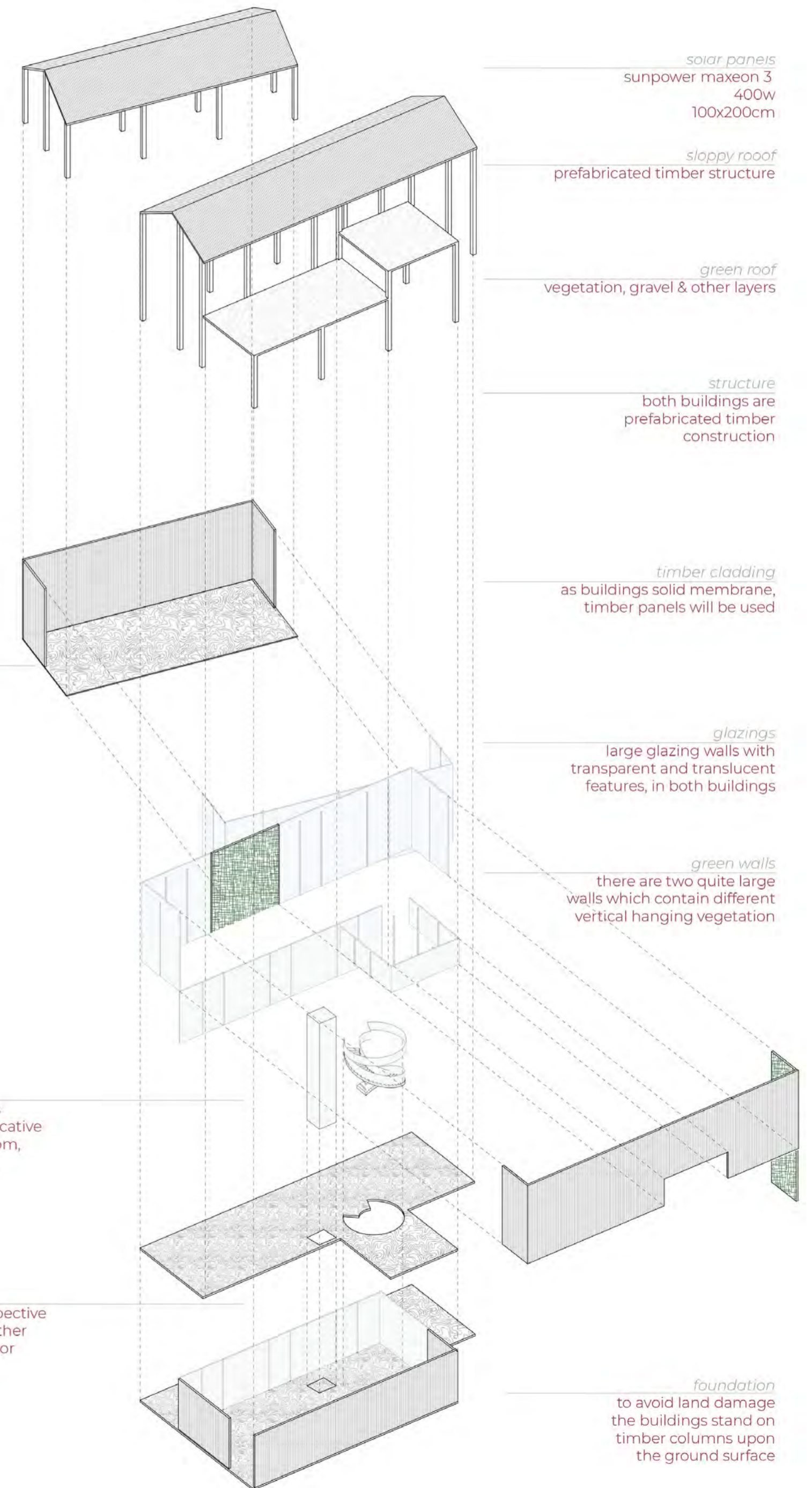
AGRI-EDGE
AGRICULTURAL HUB



open kitchen
one level building with semi-open spaces for social interaction

first floor
the upper floor facilitates workshop spaces for educative purposes, conference room, offices and resting areas

ground floor
restaurant area, with respective kitchen space, toilets & other services, stairs and elevator



solar panels
sunpower maxeon 3
400W
100x200cm

sloppy roof
prefabricated timber structure

green roof
vegetation, gravel & other layers

structure
both buildings are prefabricated timber construction

timber cladding
as buildings solid membrane, timber panels will be used

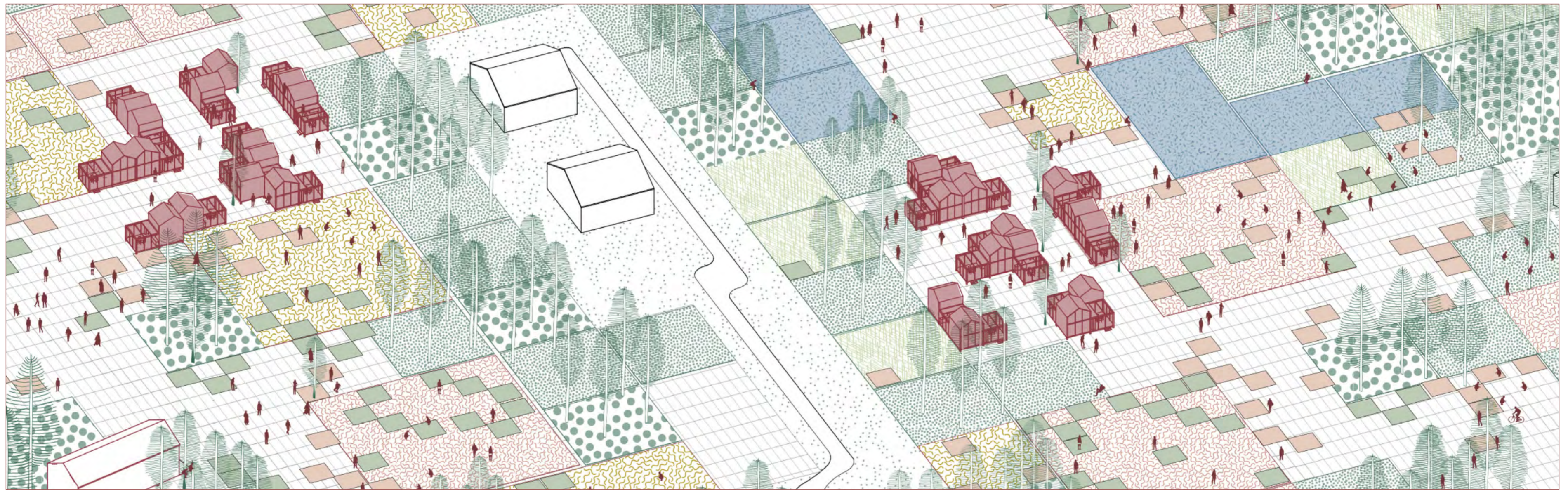
glazings
large glazing walls with transparent and translucent features, in both buildings

green walls
there are two quite large walls which contain different vertical hanging vegetation

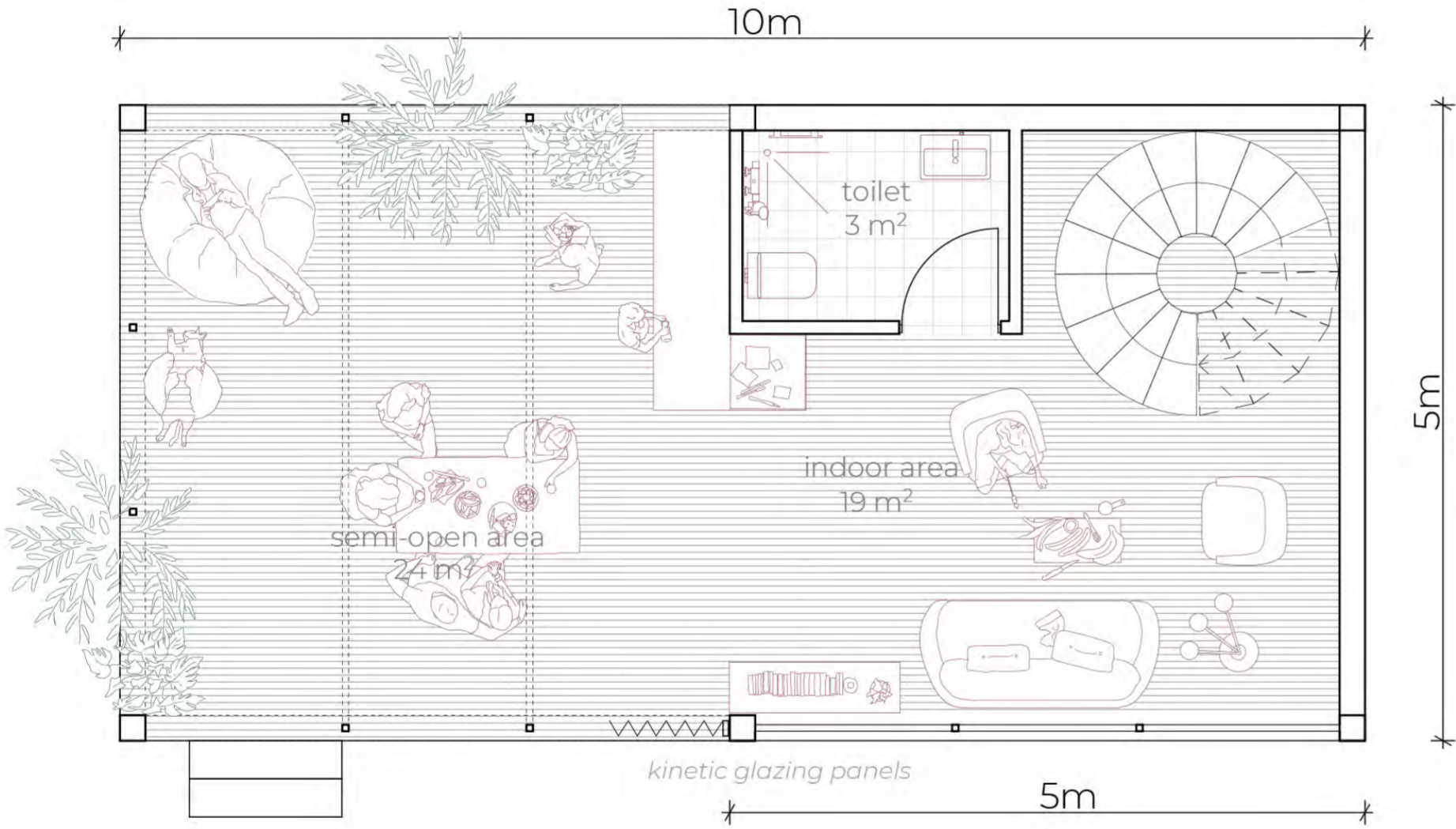
foundation
to avoid land damage the buildings stand on timber columns upon the ground surface

HOUSING CABINS

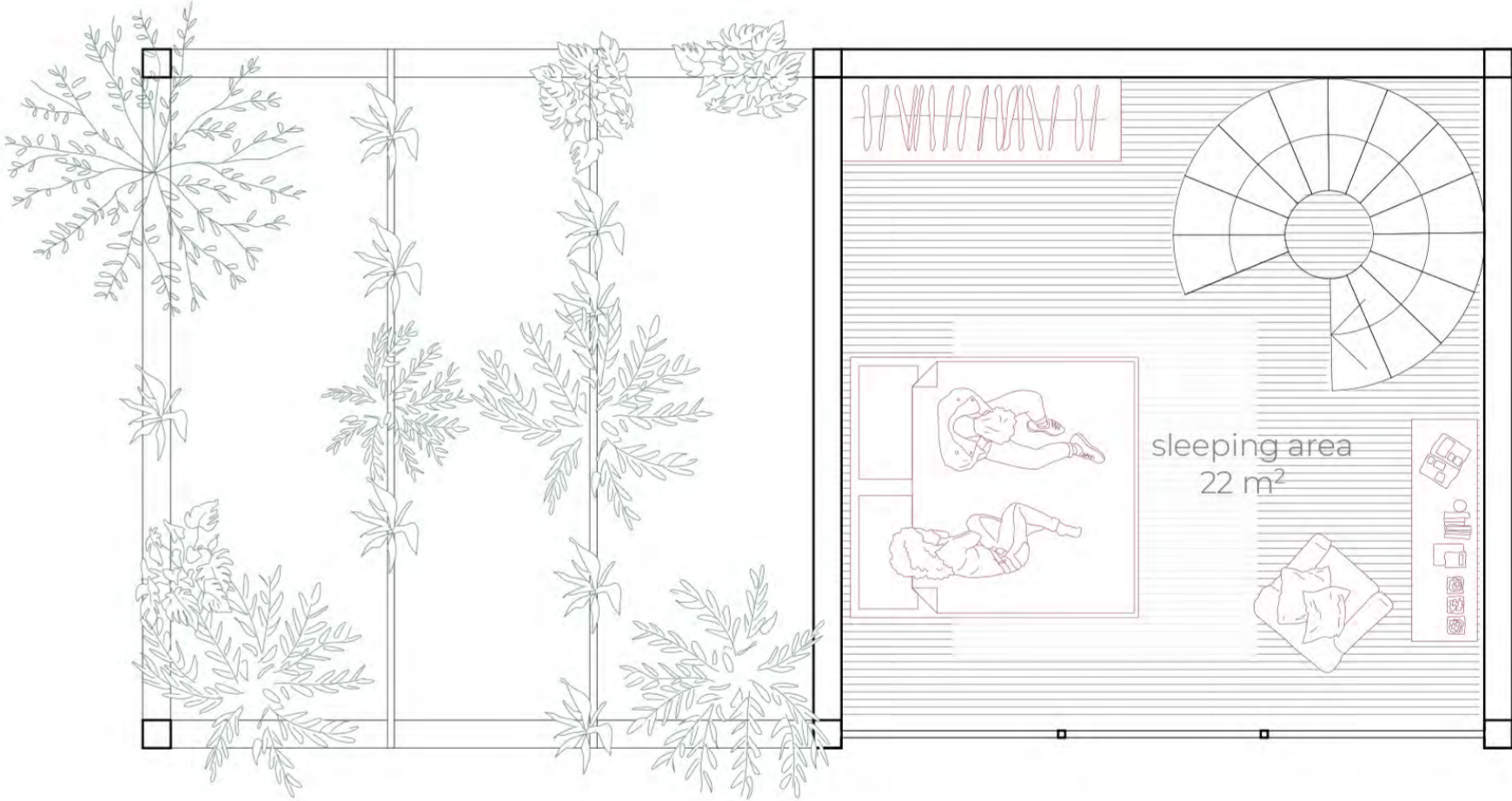
NEW BUILDING DESIGN



AGRI-EDGE
HOUSING CABINS

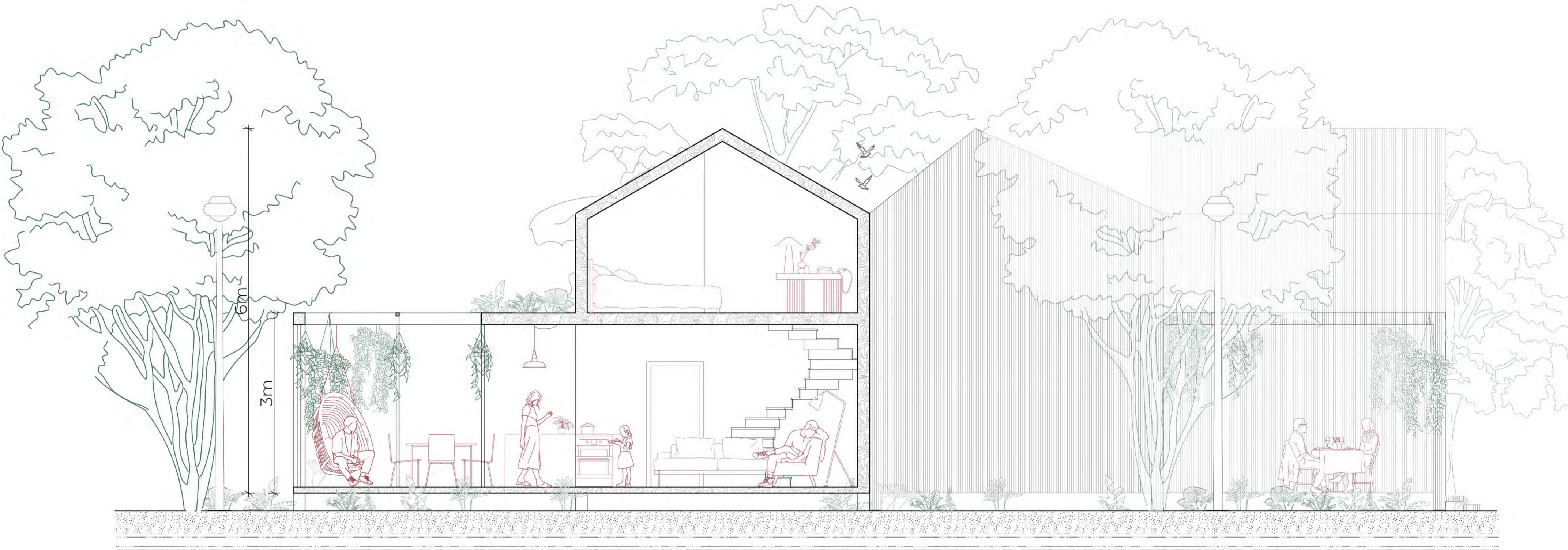


ground floor



first floor

AGRI-EDGE
HOUSING CABINS



typical section

AGRI-EDGE HOUSING CABINS

solar panels
sunpower maxeon 3
400w
100x200cm

sloppy roof
prefabricated timber structure

structure
light prefabricated
timber structure

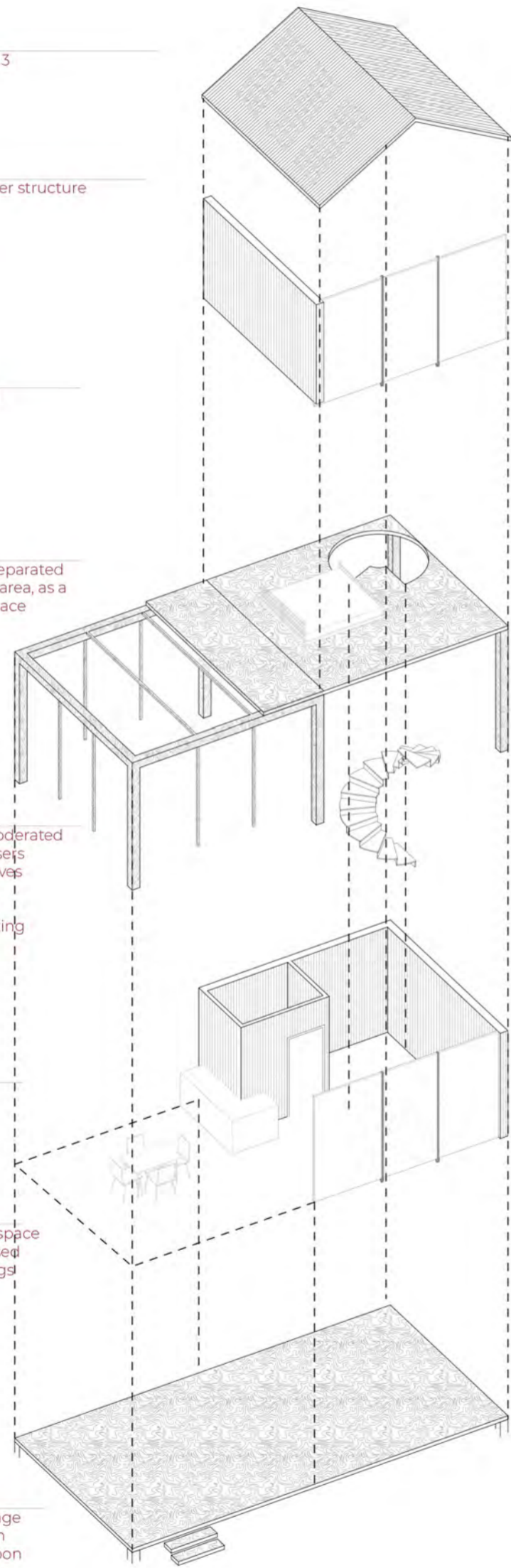
private space
the upper floor is separated
as a private locked area, as a
sleeping & quiet space

flexible space
the floor can be moderated
according to the users
the dining area serves
as a garden space,
used for eating,
resting and socializing

public area
ground floor is
semi-open to
the context

winter usage
during winter, the space
can be entirely closed
with folding glazings

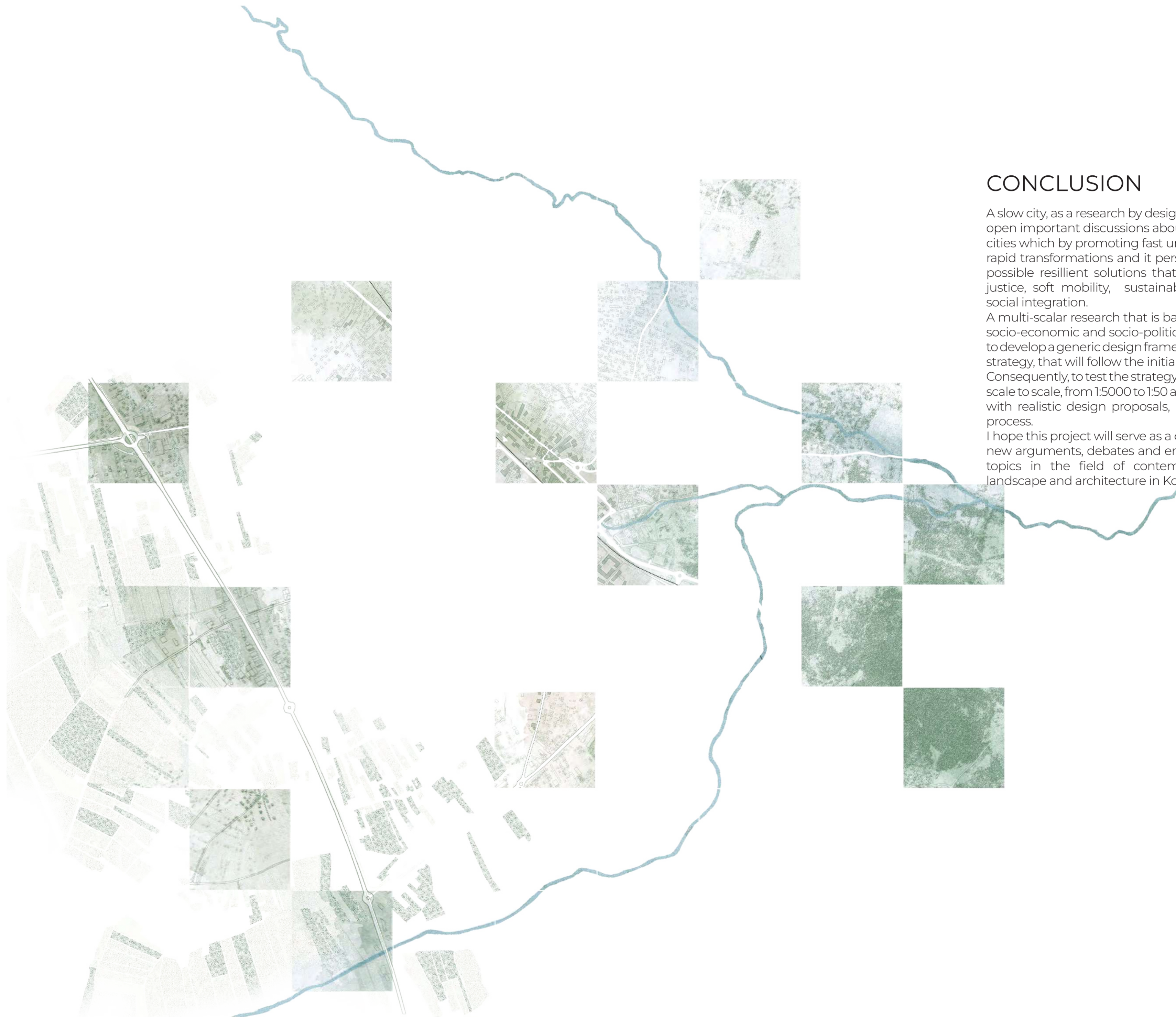
foundation
to avoid land damage
the cabin stands on
timber columns upon
the ground surface











CONCLUSION

A slow city, as a research by design project, critically aims to open important discussions about the pragmatic issues in cities which by promoting fast urbanism, are experiencing rapid transformations and it persistently seeks to propose possible resilient solutions that promote environmental justice, soft mobility, sustainable design, heritage and social integration.

A multi-scalar research that is based on multiple drivers of socio-economic and socio-politic factors, is crucial in order to develop a generic design framework for a singular layered strategy, that will follow the initial conceptual ambitions. Consequently, to test the strategy itself, we must jump from scale to scale, from 1:5000 to 1:50 and constantly experiment with realistic design proposals, into a full circular design process.

I hope this project will serve as a critical pivot point to open new arguments, debates and encourage further research topics in the field of contemporary urban planning, landscape and architecture in Kosovo.