GARDEN AS A MICROCOSM OF CITY

The post-war landscape of Mostar, Bosnia and Herzegovina

Minna Liu 4708431

First Mentor: Saskia de Wit
Second Mentor:Stavros Kousoulas

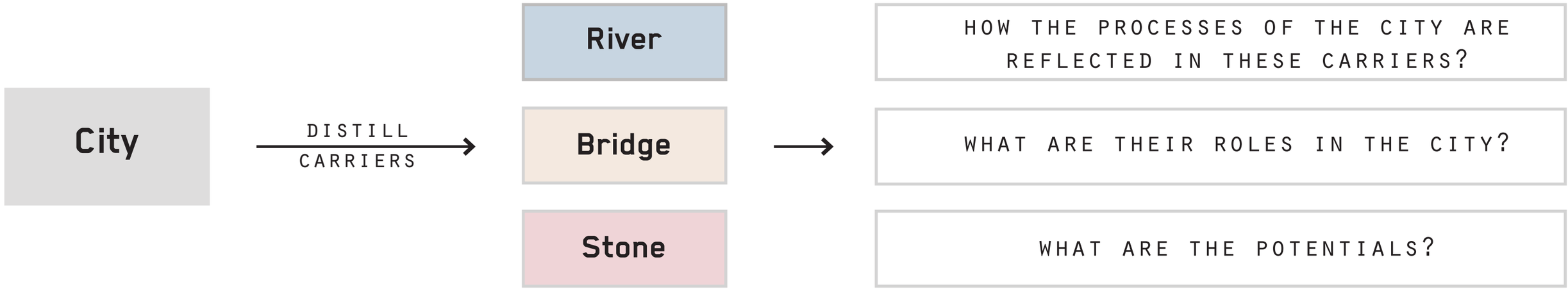
Source: http://www.cidom.org/?page_id=258

Source: Pascal Guyot, 17 December

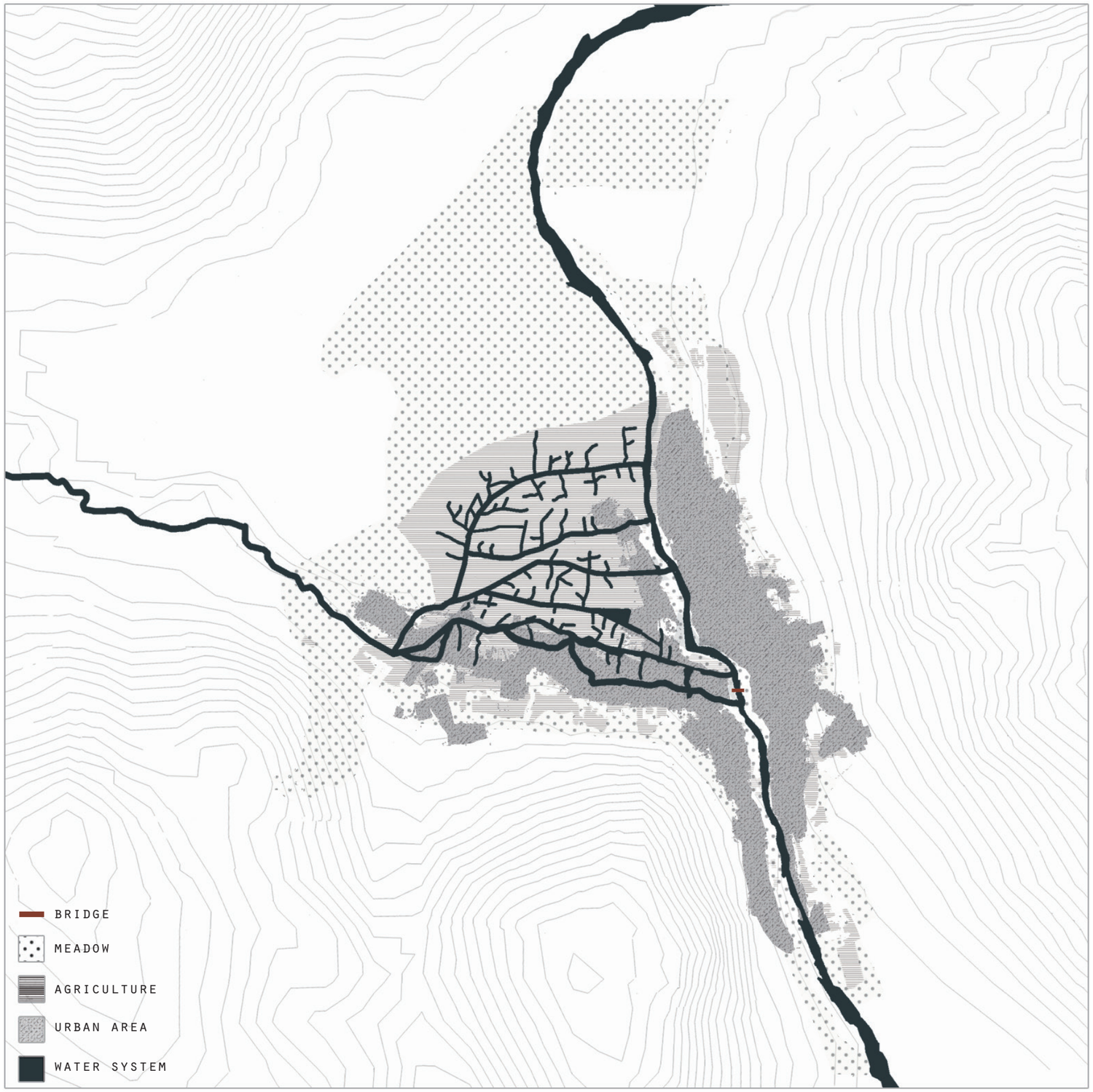
RIVER

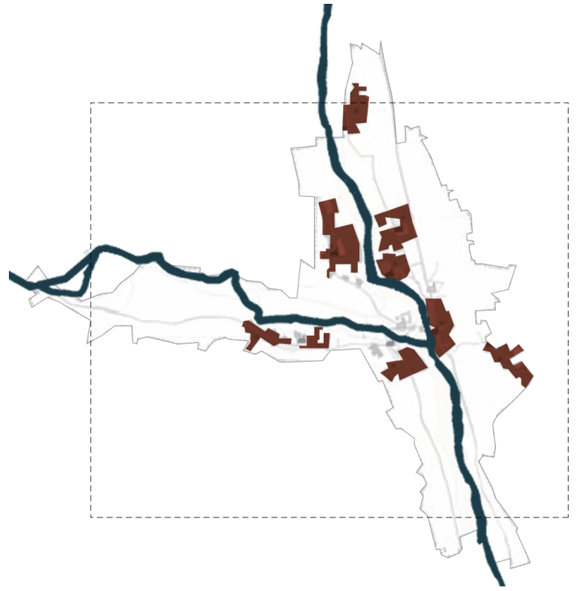
BRIDGE

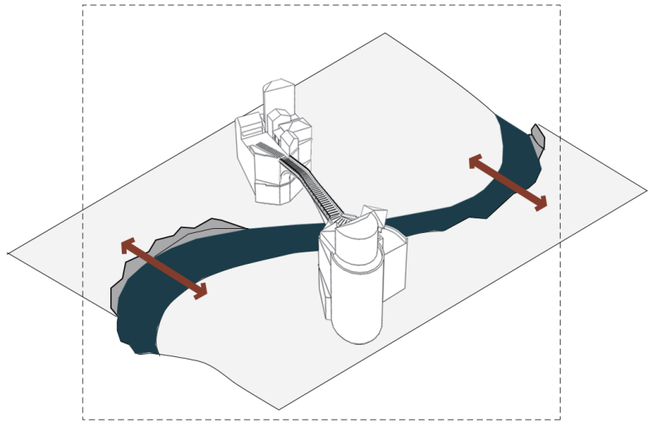
STONE

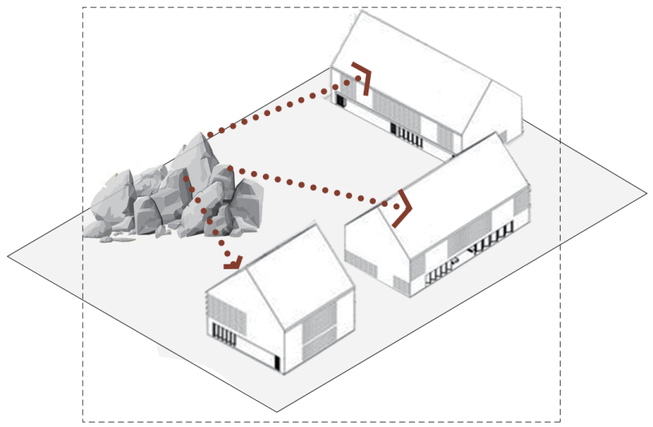

City
DISTILL
CARRIERS
River
Bridge
Stone
HOW THE PROCESSES OF THE CITY ARE REFLECTED IN THESE CARRIERS?
WHAT ARE THEIR ROLES IN THE CITY?
WHAT ARE THE POTENTIALS?

Ottoman Period

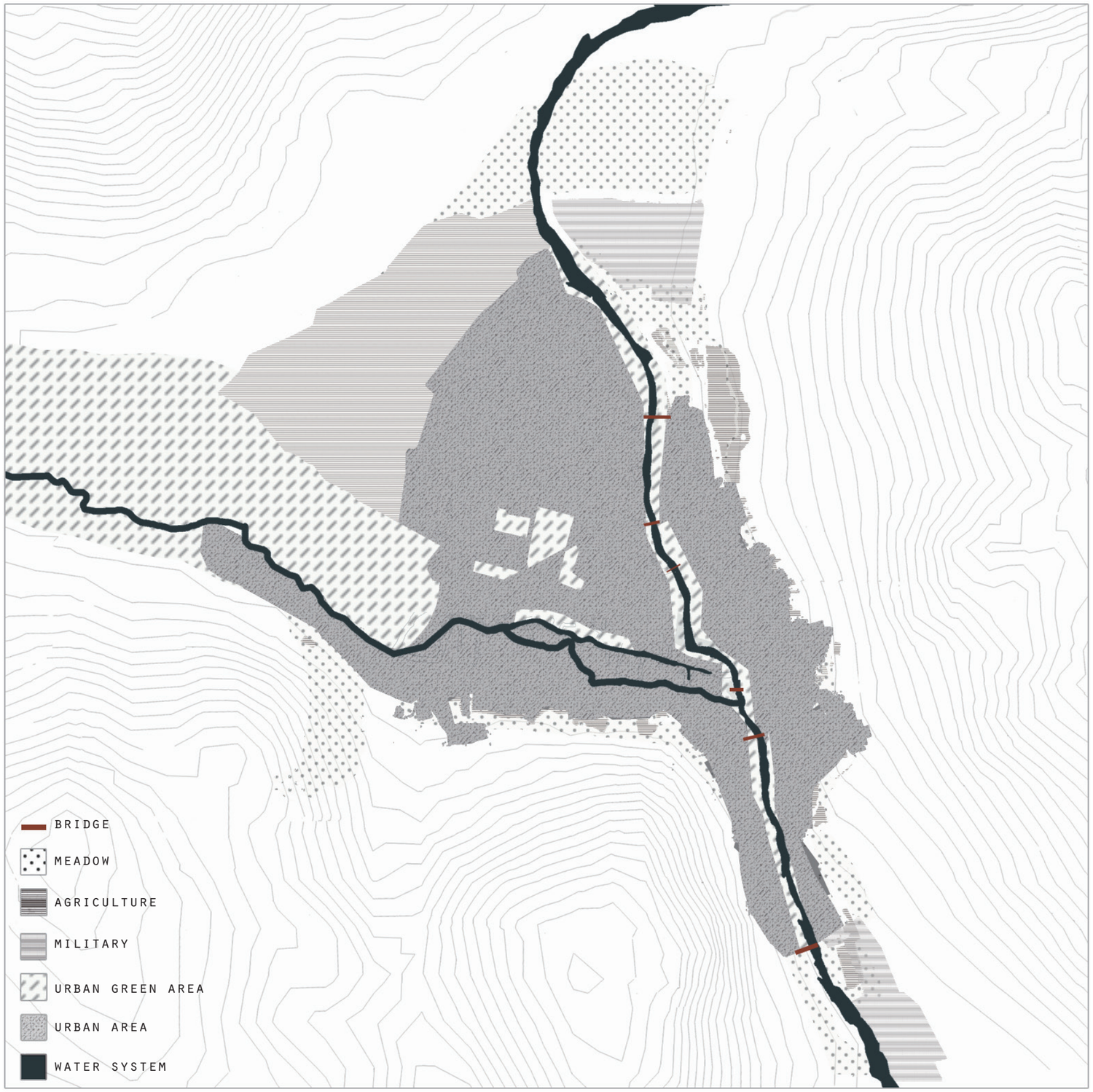


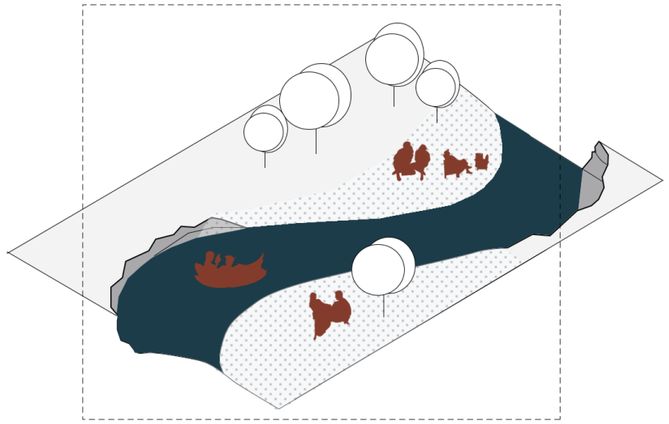


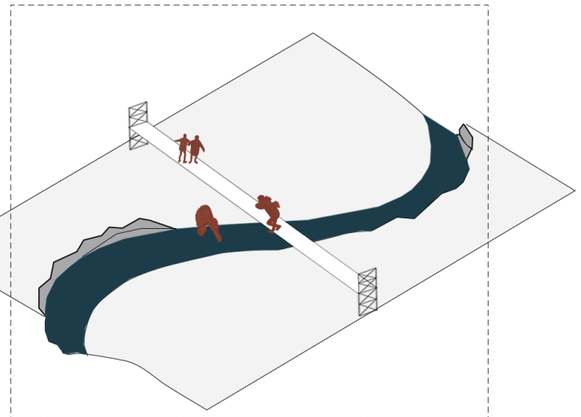


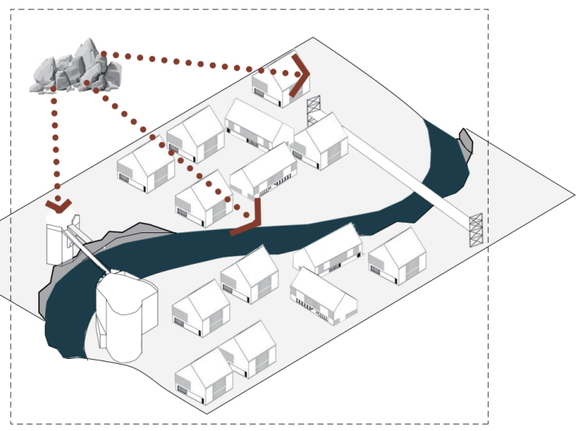


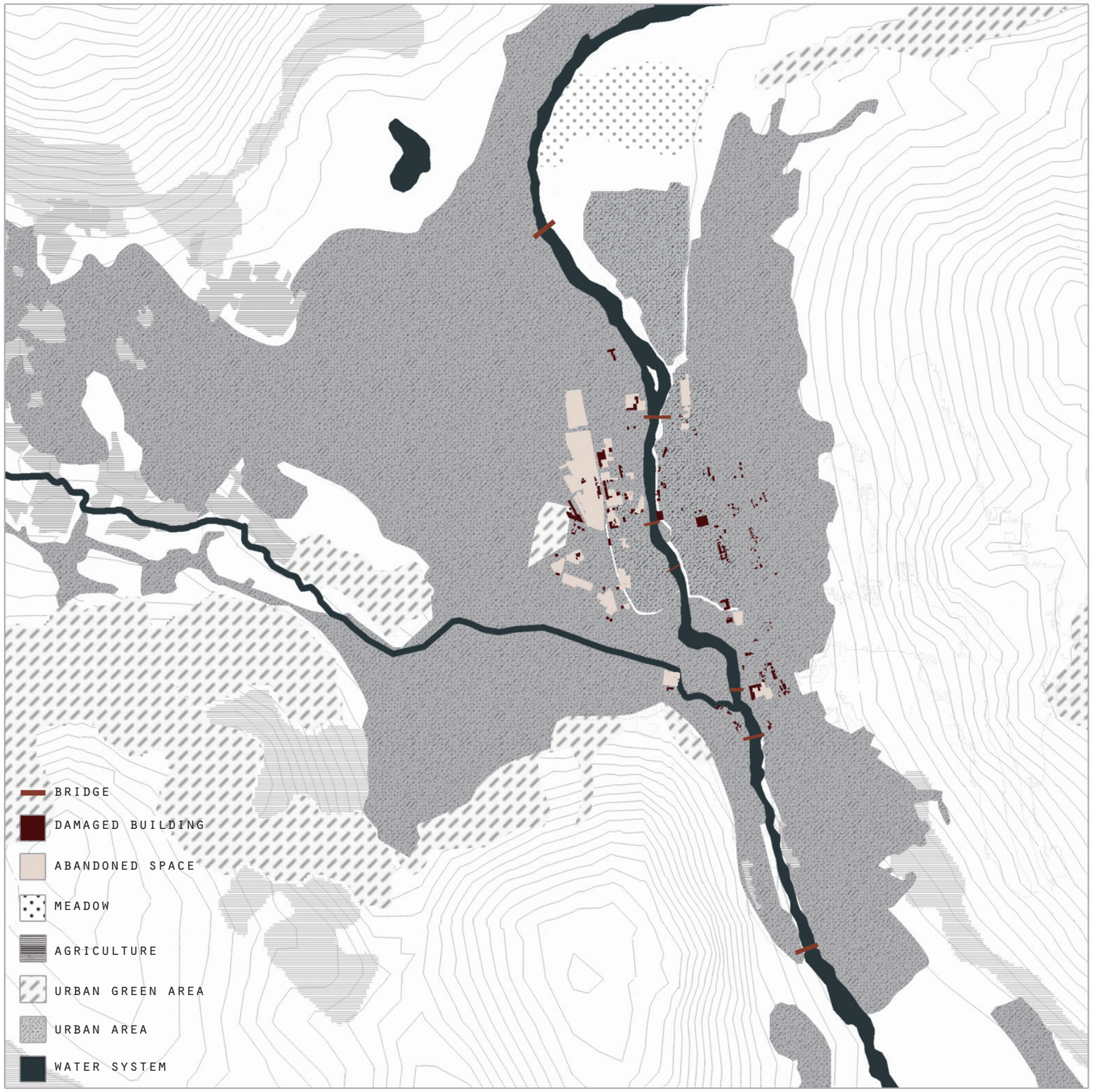
Austrian Hungarian Period

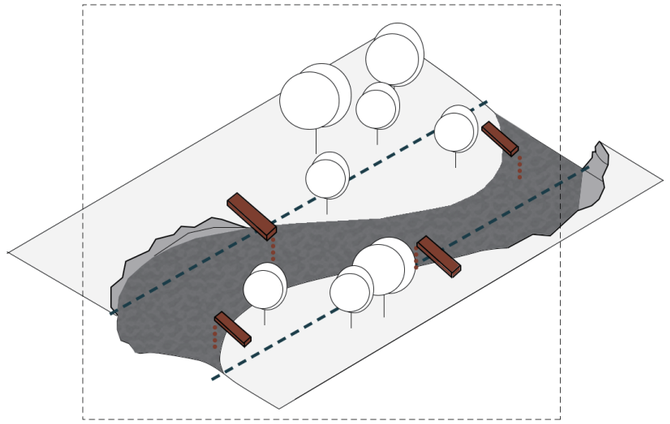


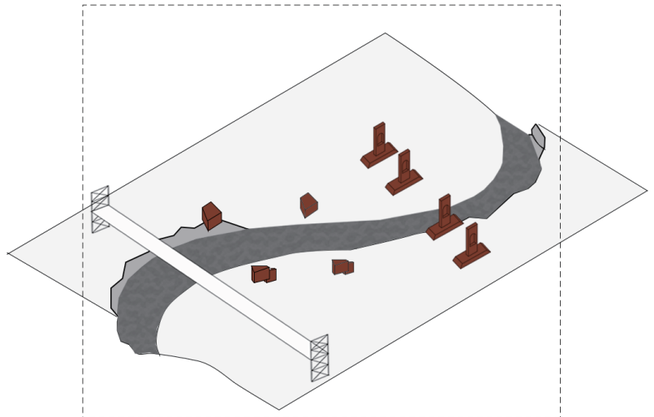


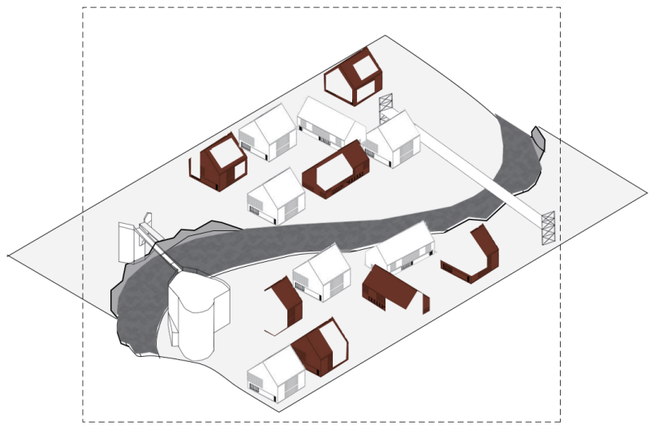




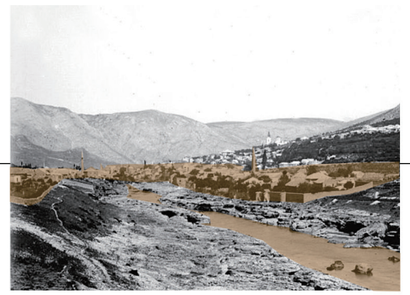

BRIDGE
DAMAGED BUILDING
ABANDONED SPACE
MEADOW
AGRICULTURE
URBAN GREEN AREA
URBAN AREA
WATER SYSTEM

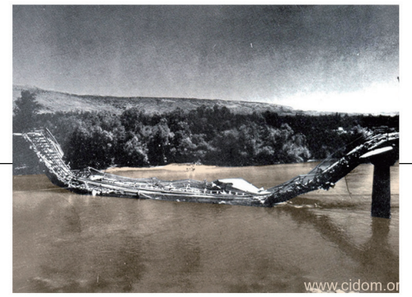






River





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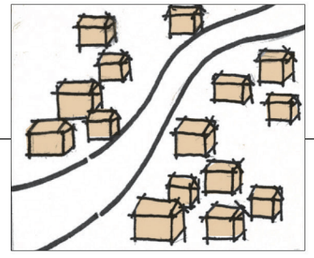
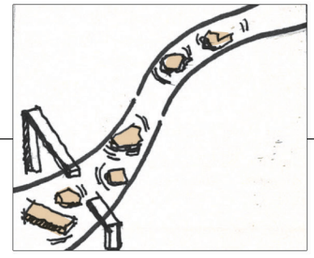


START OF THE FIRST SETTLEMENT

STAGE FOR ACTIVITIES

AREA UNDER THE SCOPE OF SNIPERS

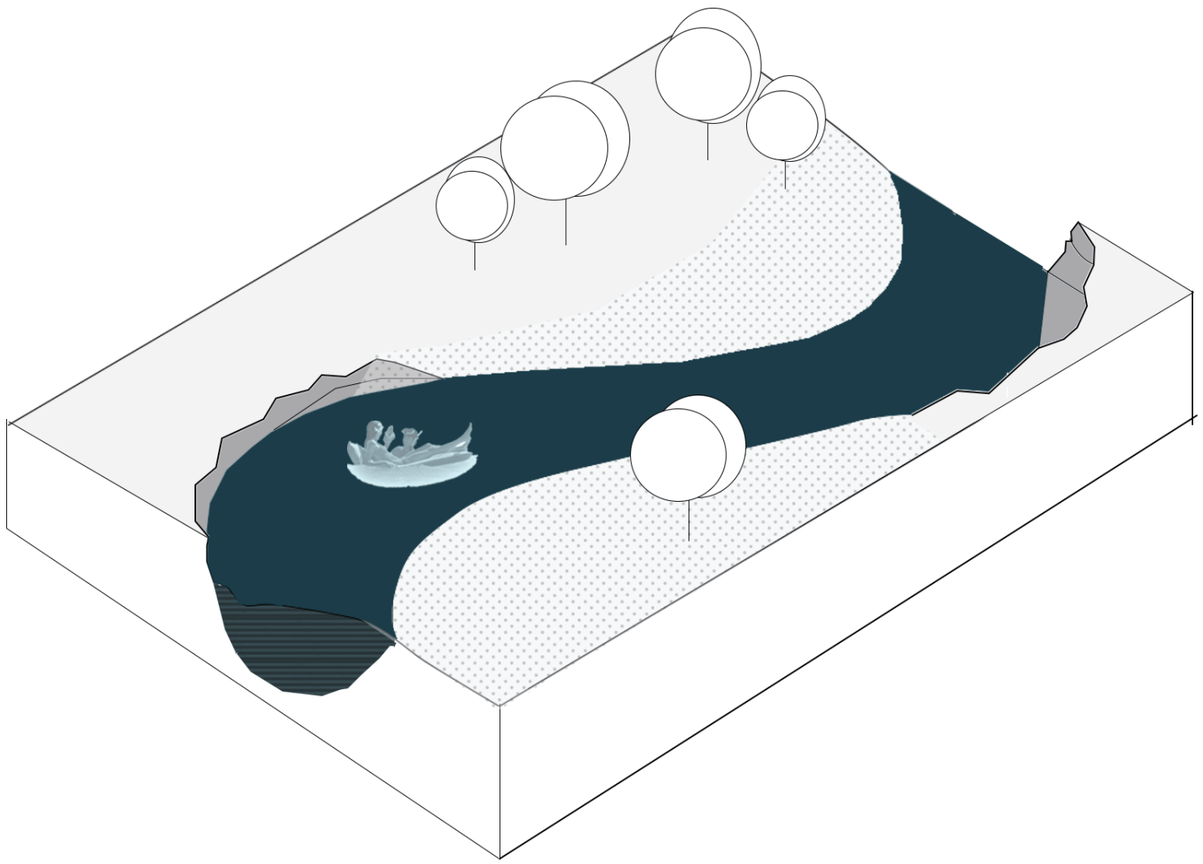


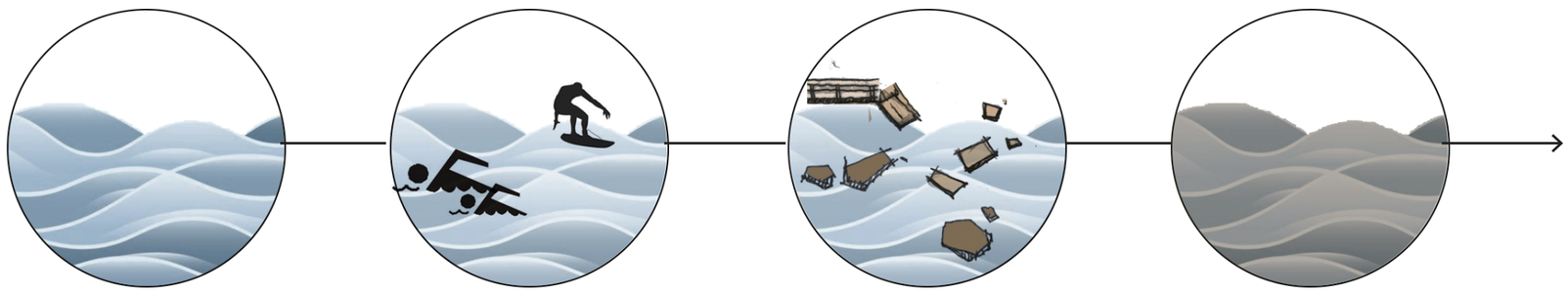
CONTAINER OF FRAGMENTS

DEPOSITORY OF DEBRIS

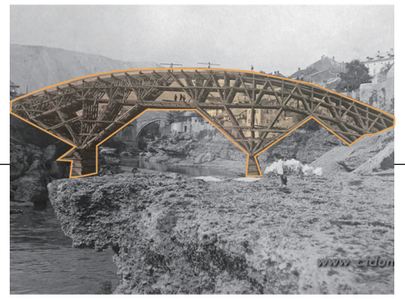
FIRST URBAN CONSTRUCTION | BEFORE THE WAR | DURING THE WAR | DURING THE WAR | AFTER THE WAR

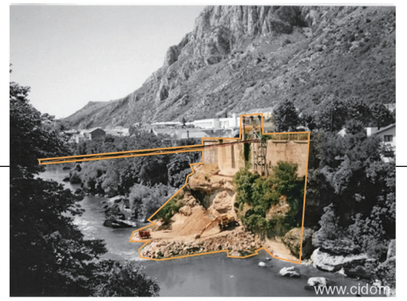
City → DISTILL CARRIERS → River → WHAT ARE THEIR ROLES IN THE CITY? → Container

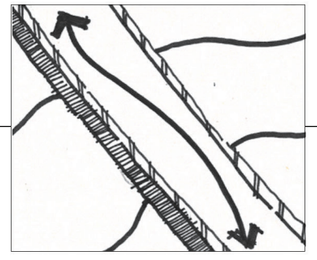




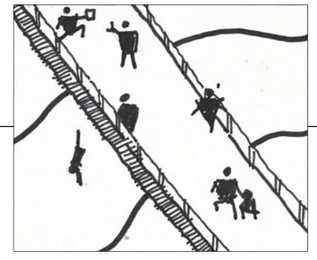
Bridge



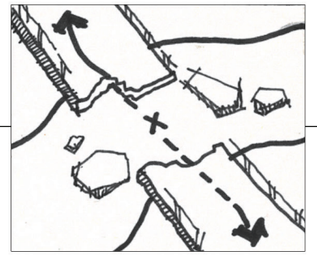




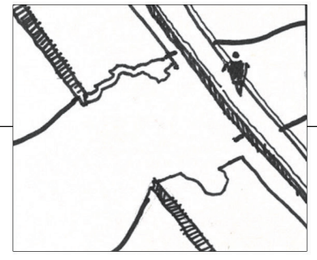
CONNECTION OF TWO BANKS



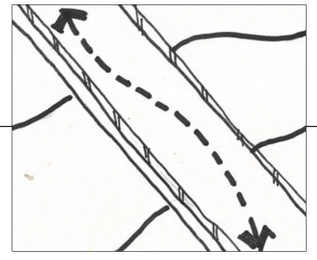
PUBLIC SPACE FOR ACTIVITIES



TARGET OF DESTRUCTION



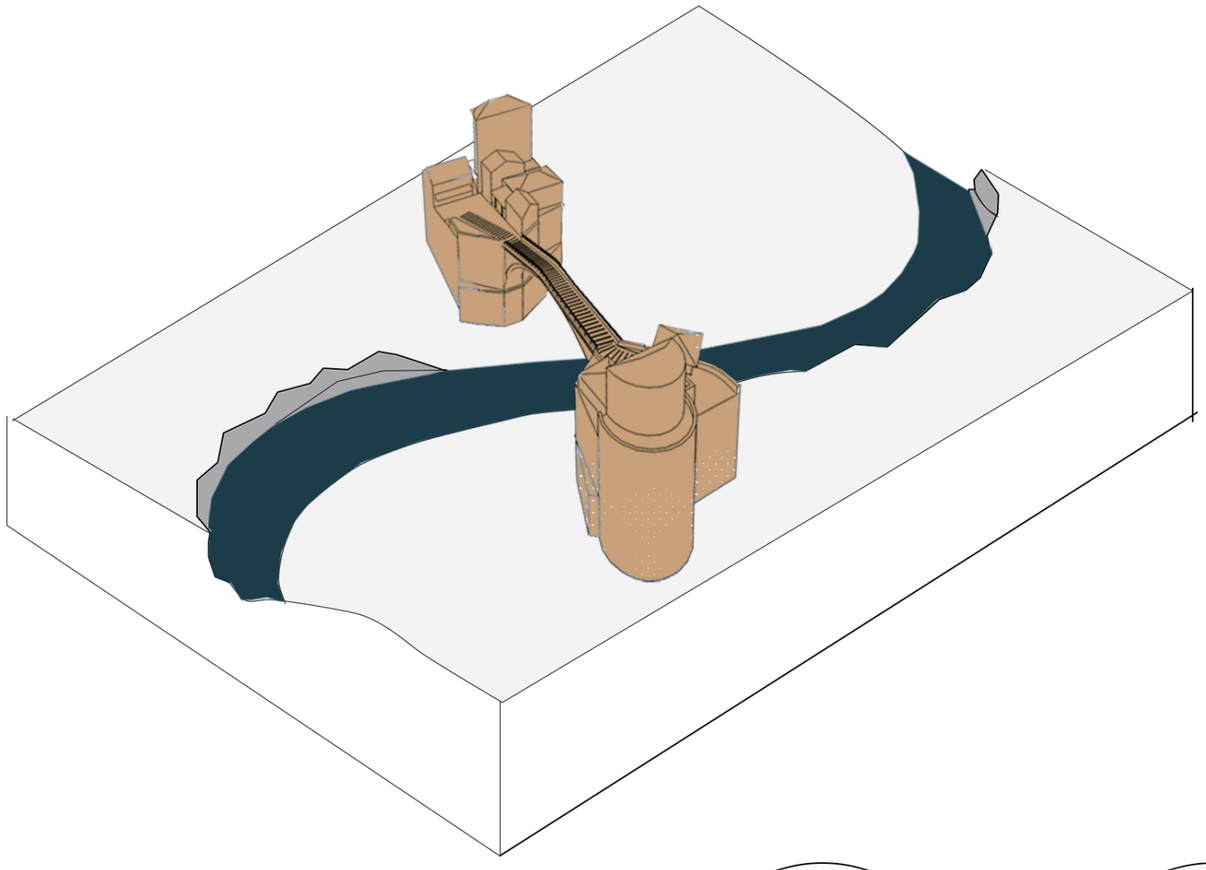
TEMPORARY CONNECTION FOR FLOWS

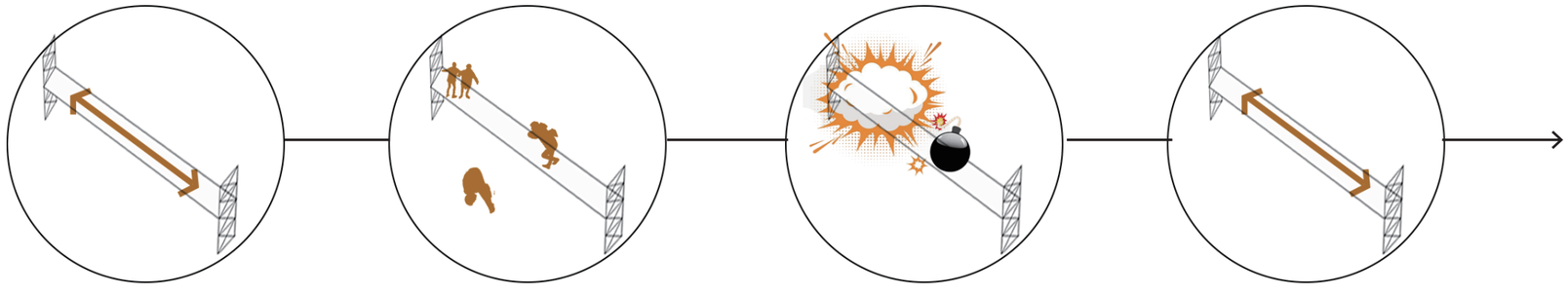


CONNECTION OF TWO BANKS

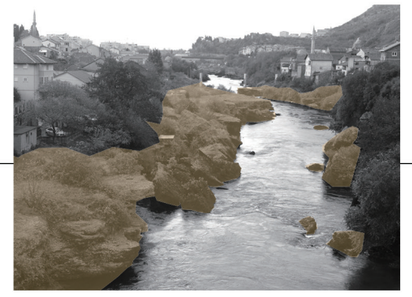
FIRST URBAN CONSTRUCTION | BEFORE THE WAR | DURING THE WAR | DURING THE WAR | AFTER THE WAR

City → DISTILL CARRIERS → Bridge → WHAT ARE THEIR ROLES IN THE CITY? → Connector

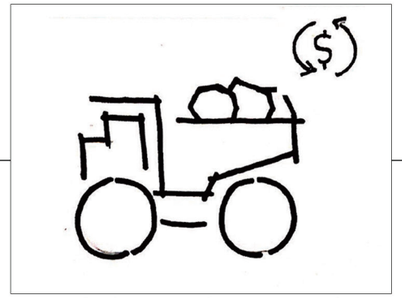




Stone

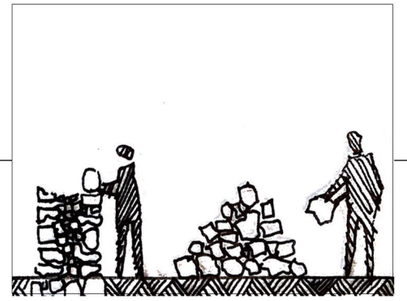


FOUNDATION OF URBAN CONSTRUCTION



SOURCE OF ECONOMY

DESTRUCTION TARGET

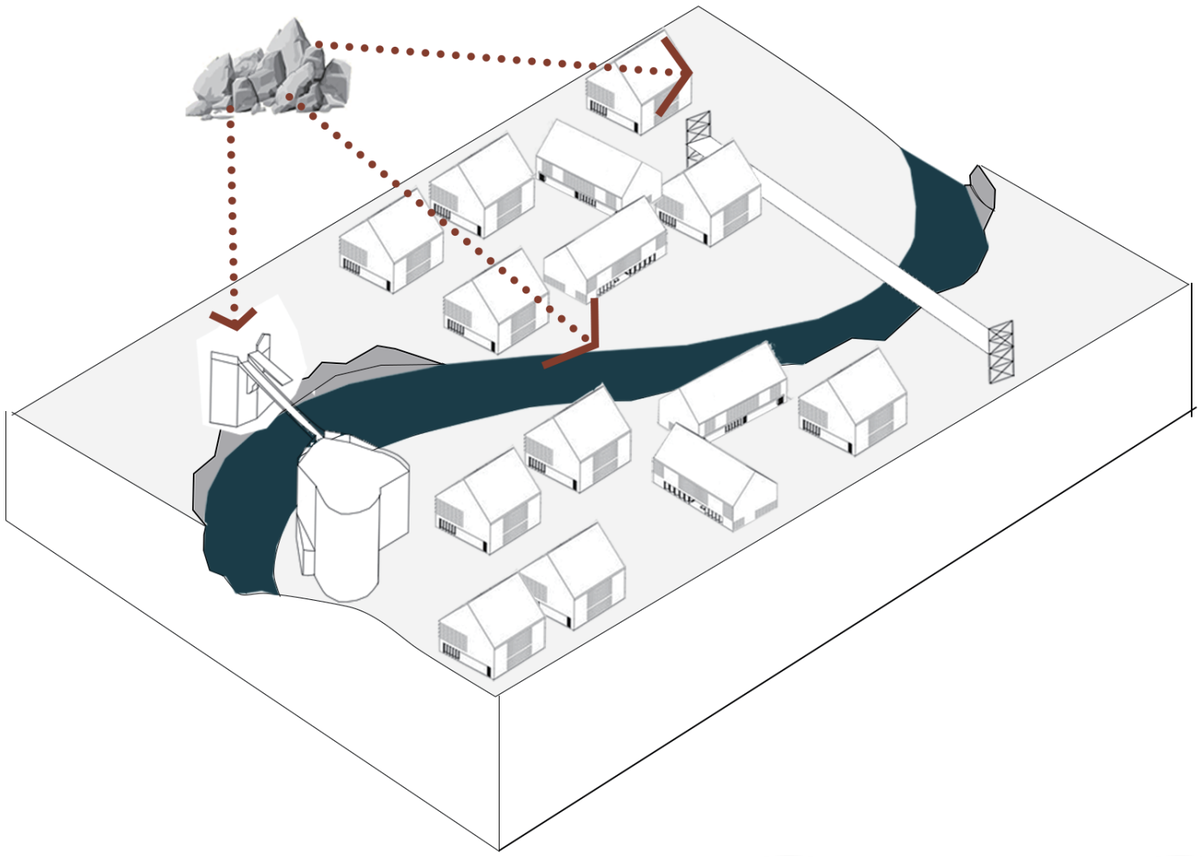


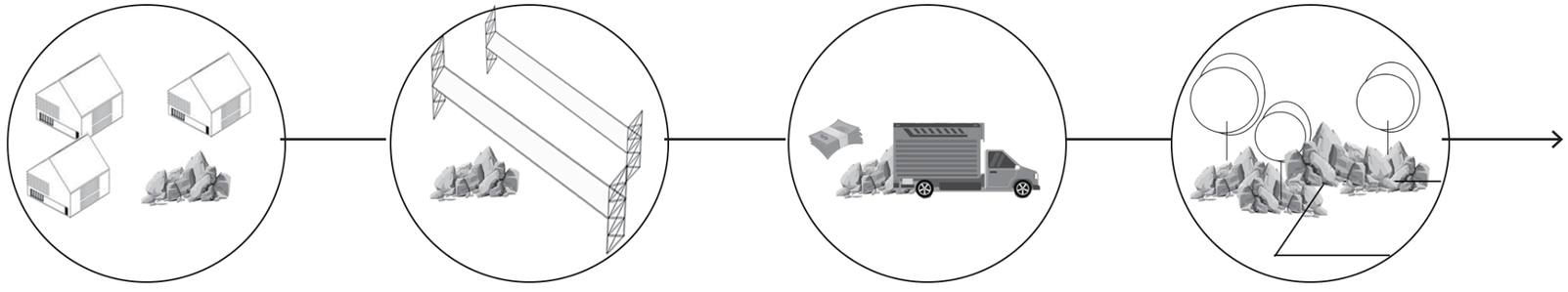
MATERIAL FOR RECONSTRUCTION

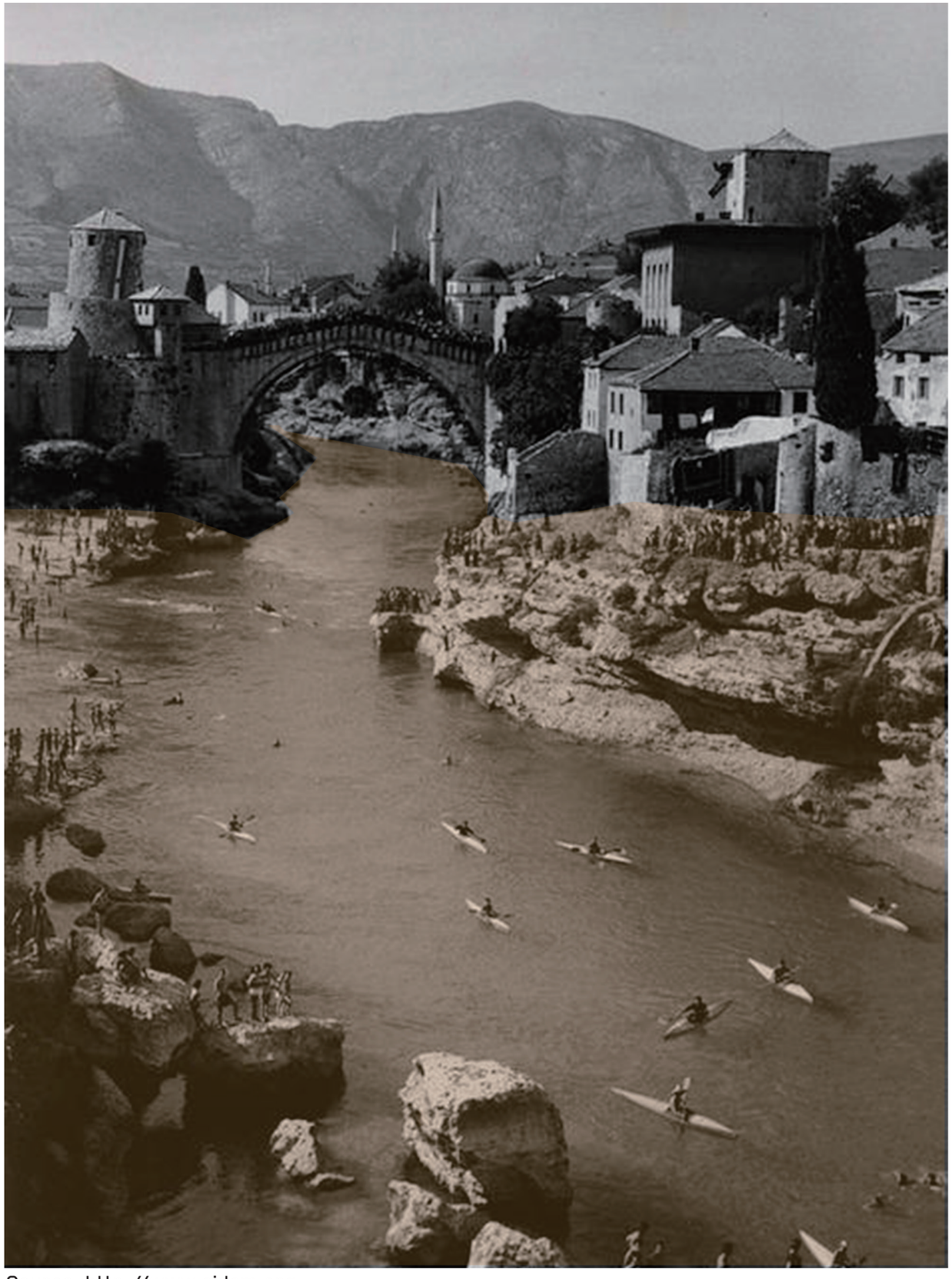
PLATFORM OF BOTH NATURE AND CITY

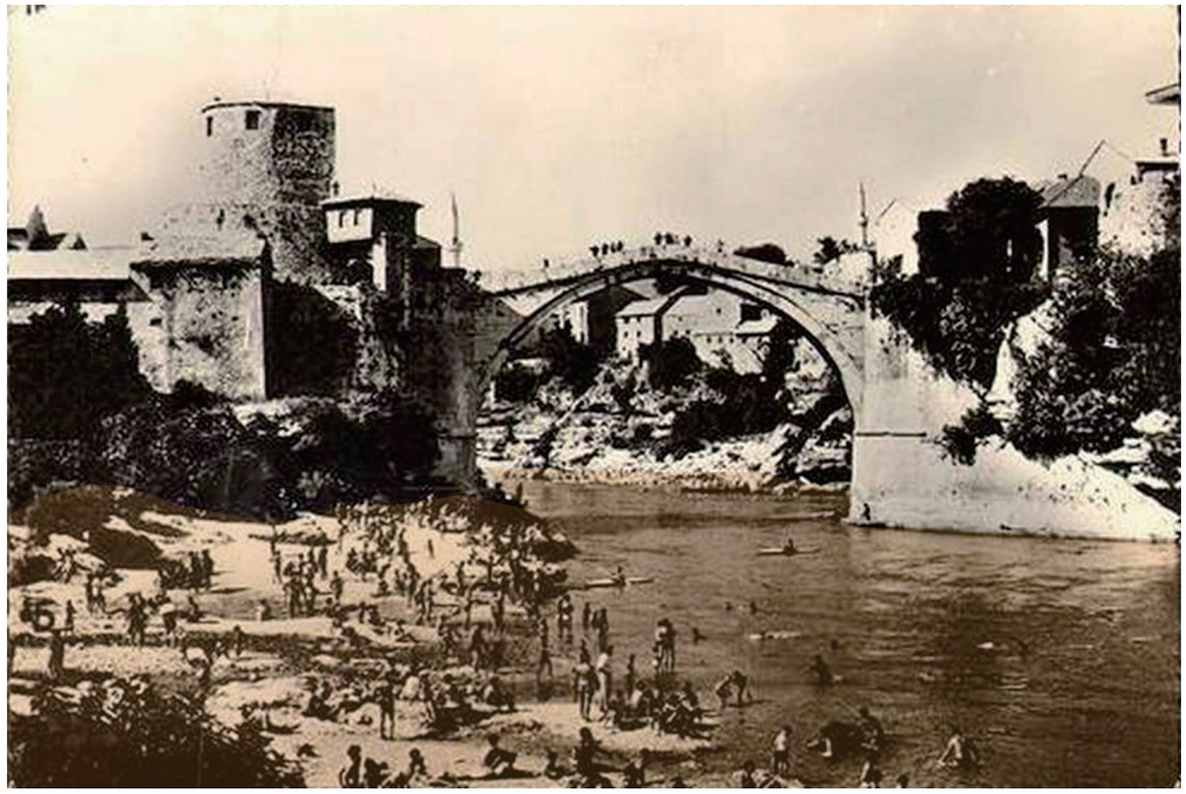
FIRST URBAN CONSTRUCTION | BEFORE THE WAR | DURING THE WAR | DURING THE WAR | AFTER THE WAR

City → DISTILL CARRIERS → Stone → WHAT ARE THEIR ROLES IN THE CITY? → Generator



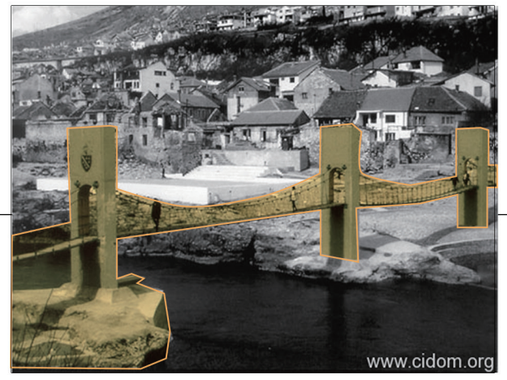






Source: http://www.cidom.org

Ruin



BUILDING | RIVER | BRIDGE | STONE

Garden as a microcosm of the city Mostar

- Inspire how to re-introduce the riverscape to the city again
- Improve the living quality of inhabitants
- Empower visitors to develop multiple perspectives

City

DISTILL CARRIERS

River

Bridge

Stone

HOW THE PROCESSES OF THE CITY ARE REFLECTED IN THESE CARRIERS?

WHAT ARE THEIR ROLES IN THE CITY?

WHAT ARE THE POTENTIALS?

Container

Connector

Generator

Garden as a microcosm of the city

Collection

Connection

Construction

SHOWS THE PROCESSES

STRENGTHEN THEIR ATTRIBUTES

DEVELOP FOR FUTURE

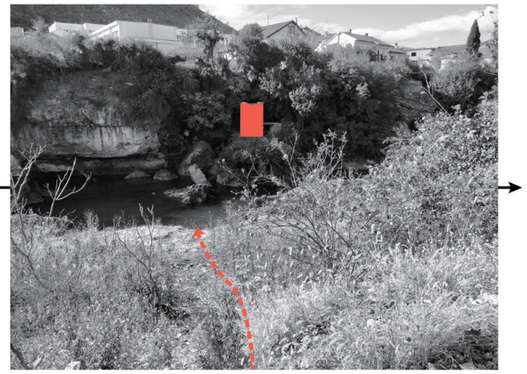
Selected Site

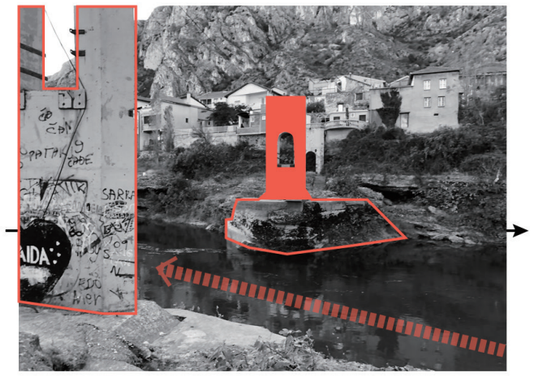
At the south
of Lučki Most

Length
420m

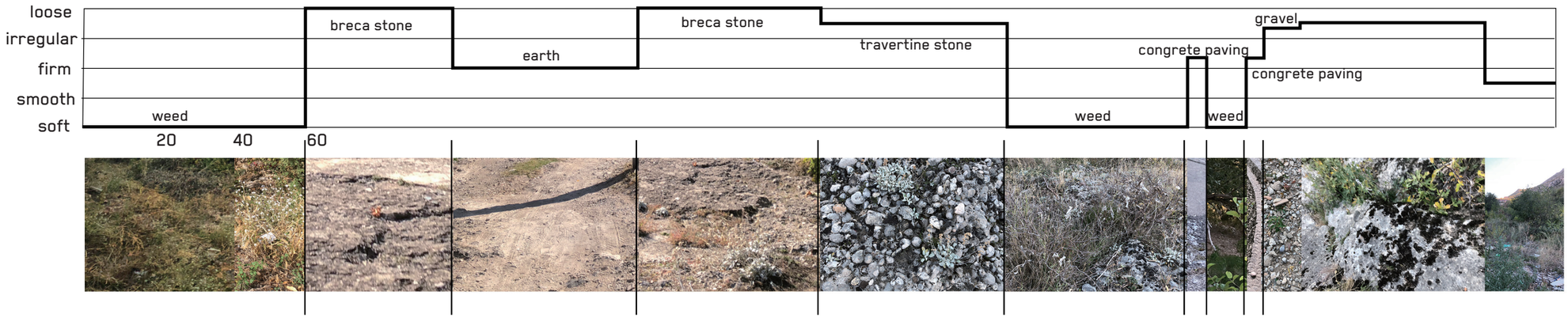
Around
8500m^2

Visual Sequences

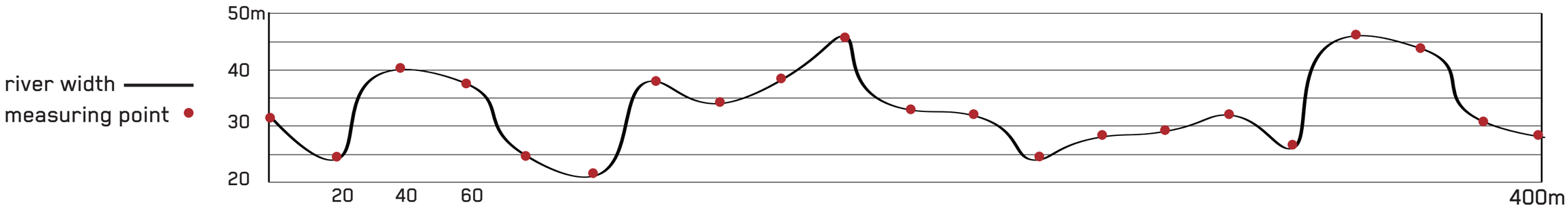




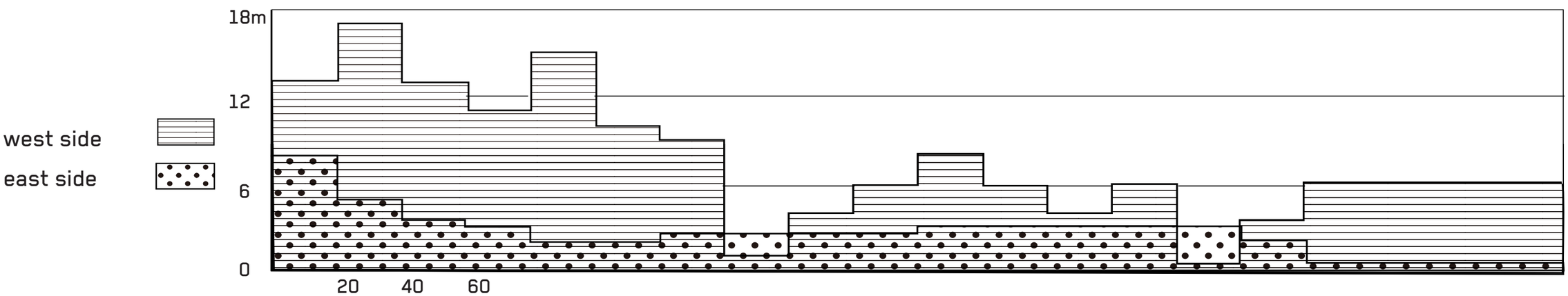
pavement score

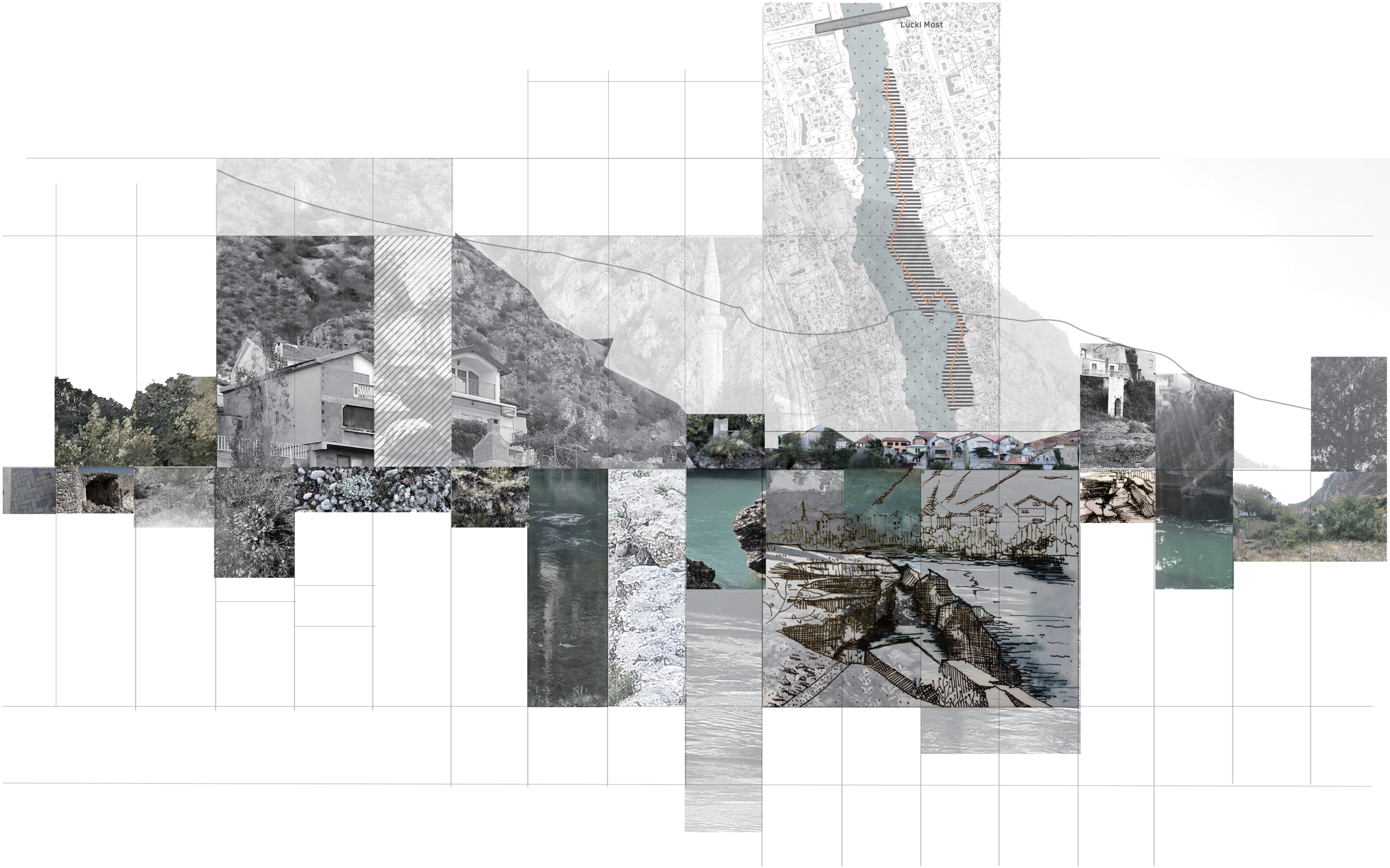


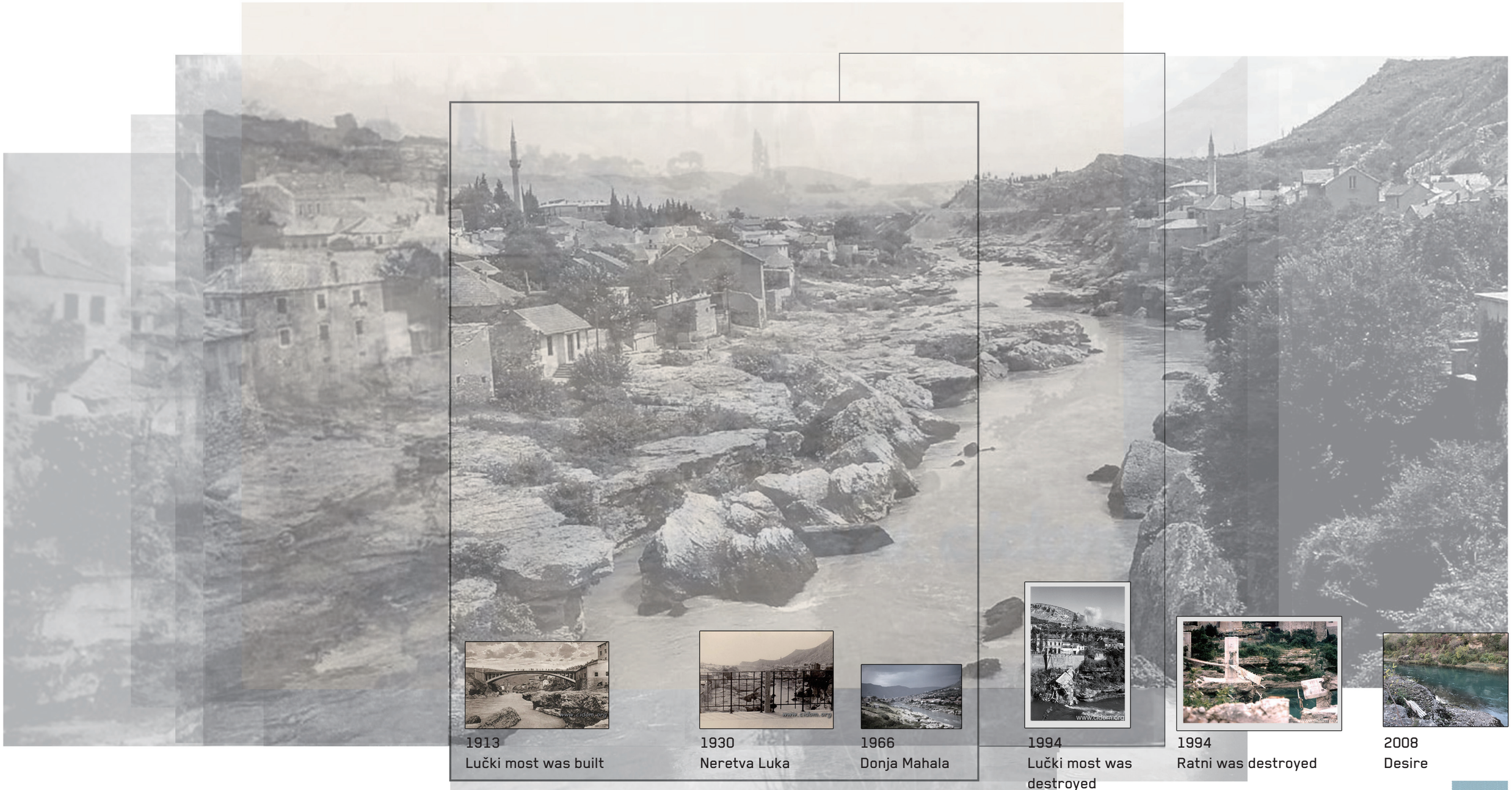
river width score



relative height of banks to the river level score




Lucki Most



1913
Lučki most was built

1930
Neretva Luka

1966
Donja Mahala

1994
Lučki most was destroyed

1994
Ratni was destroyed

2008
Desire

OTTOMAN PERIOD(1468-1878)

AUSTRO HUNGARIAN PERIOD(1878-1918)

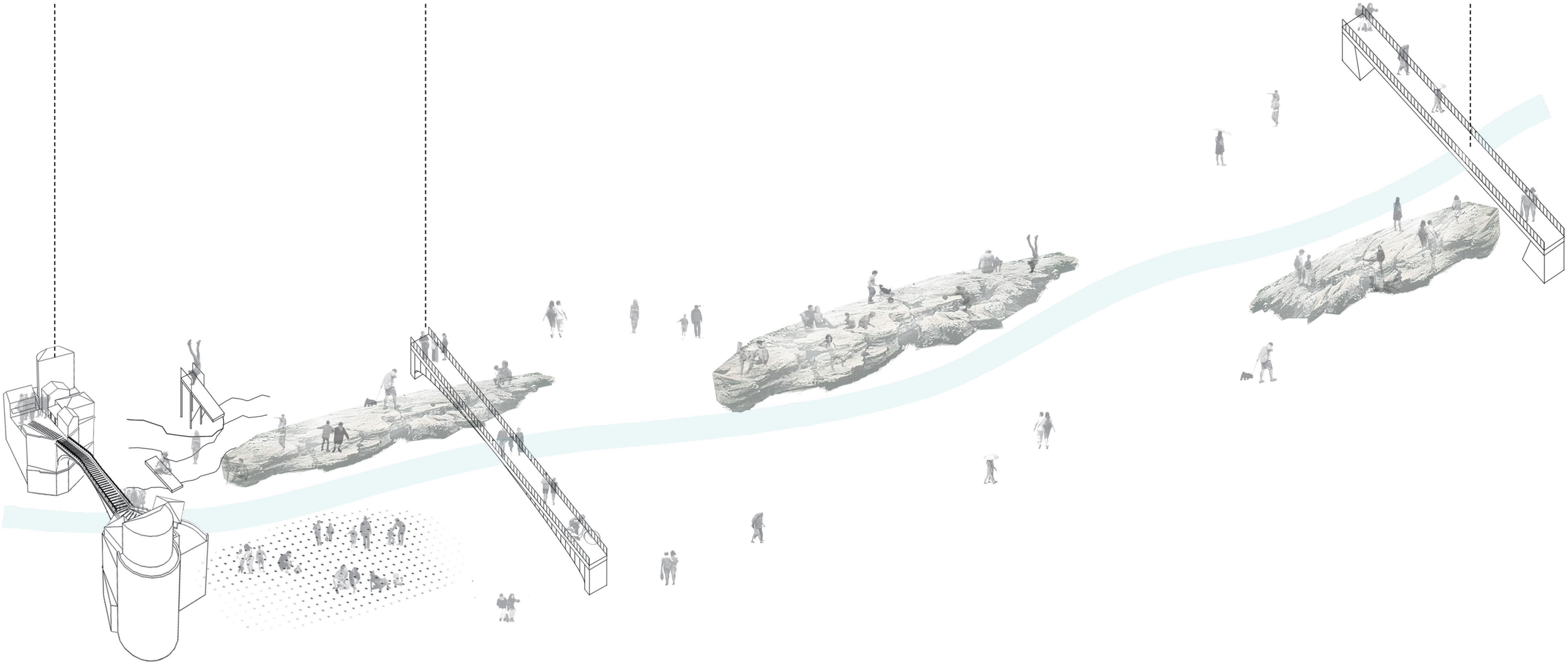
YUGOSLAVIA PERIOD(1919-1992)

INDEPENDENT BOSNIA AND HERZEGOVINA(FROM 1992

Stari Most

Lučki most

Most Hasana Brkica



Stari Most

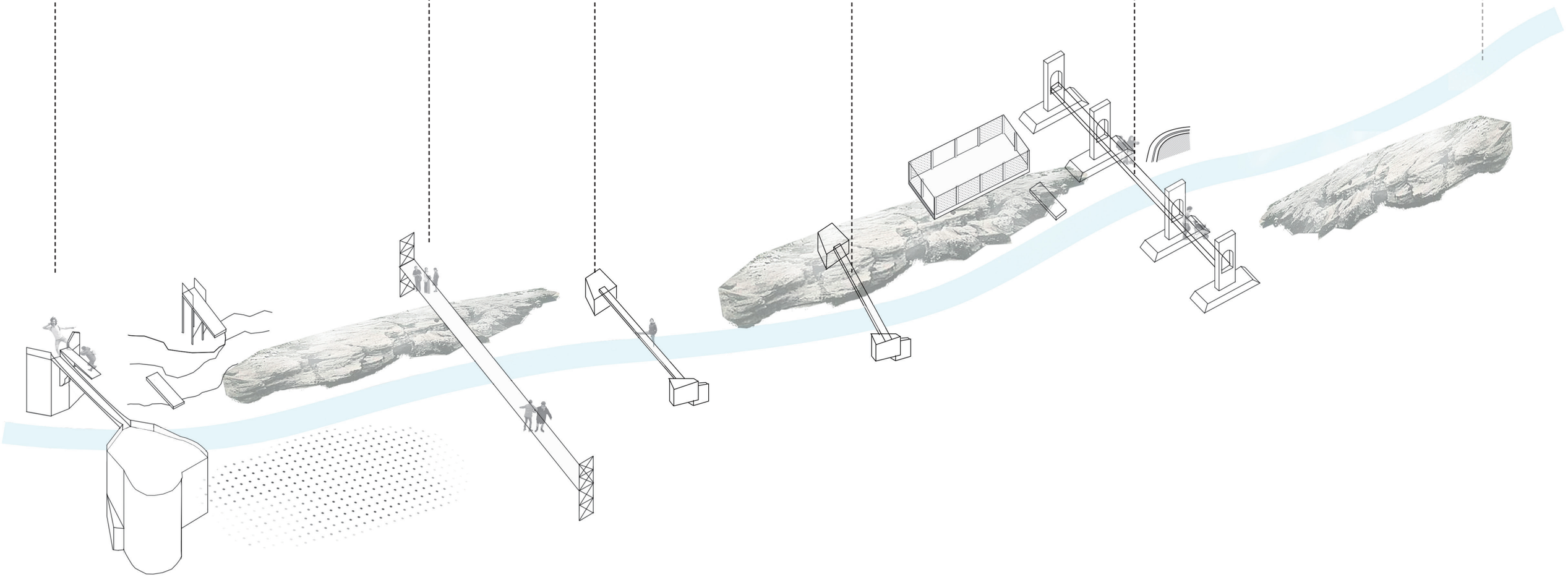
Lučki most

Tenzin
temporory bridge

Pletenica
temporory bridge

Kamenica
temporory bridge

Most Hasana Brkica



Stari Most

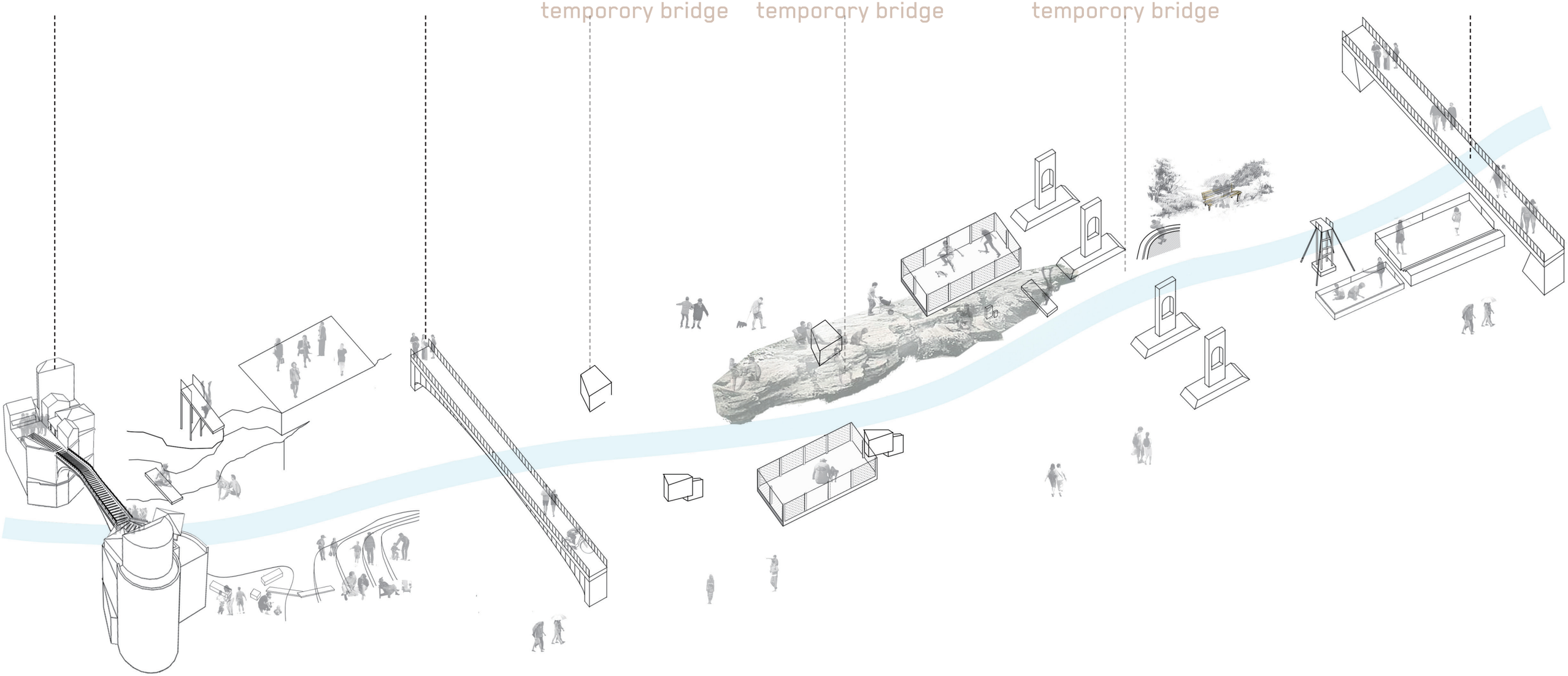
Lučki most

Tenzin
temporory bridge

Pletenica
temporory bridge

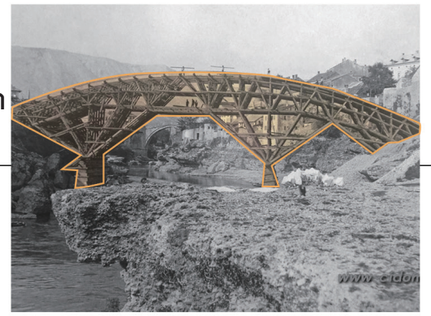
Kamenica
temporory bridge

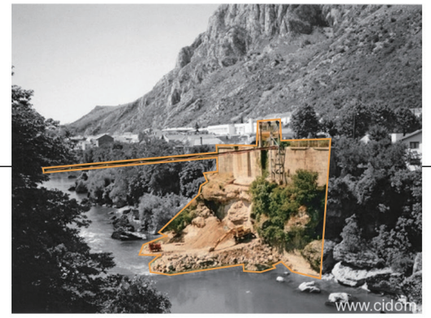
Most Hasana Brkica



Lučki most

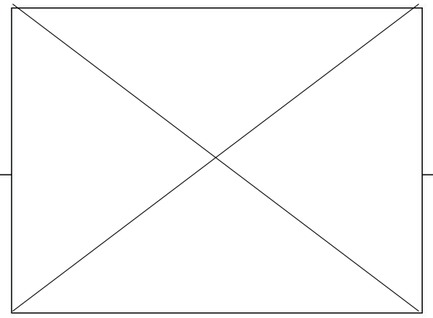
1912 under construction
1994 destroyed
1994 temporary bridge
2018 restored





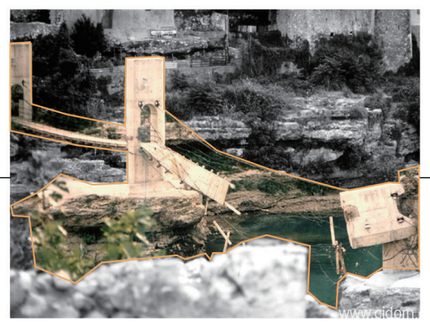
Tenzin

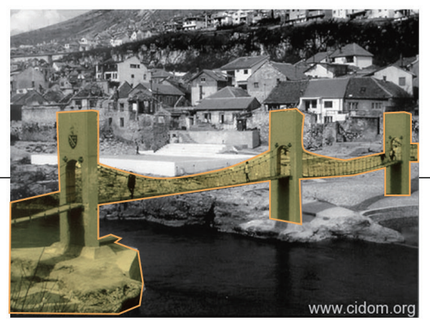
1940 before the war
1994 temporory bridge
2018 destroyed

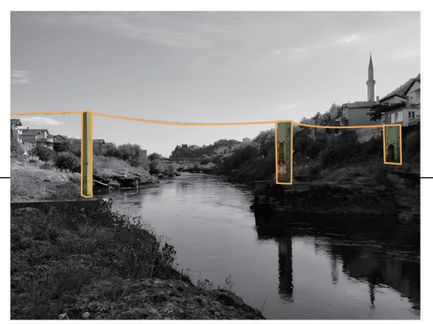


Kamenica

1992 under construction
1994 destroyed
1994 restored
2018 destroyed

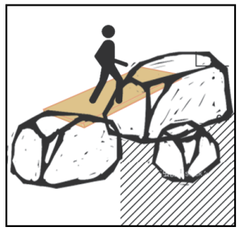






BEFORE THE WAR | DURING THE WAR | DURING THE WAR | AFTER THE WAR

Stone Path



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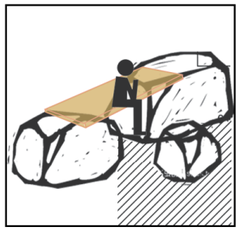
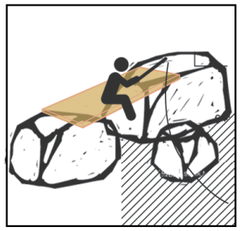
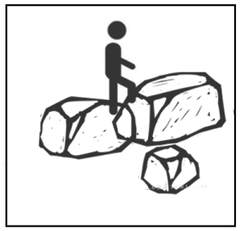


sitting



fishing

STONE



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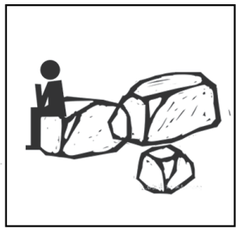

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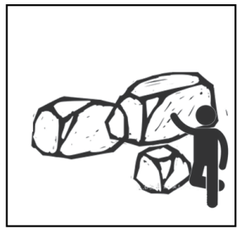
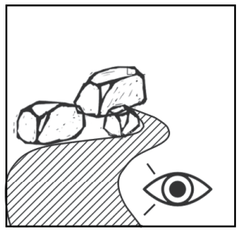
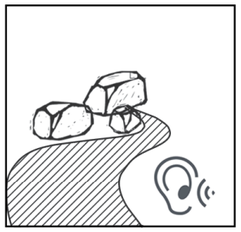


touching

WATER

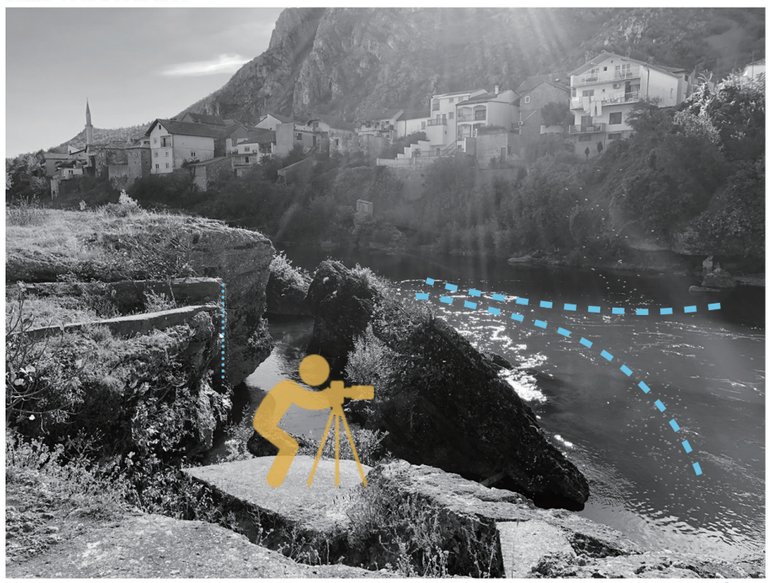


watching



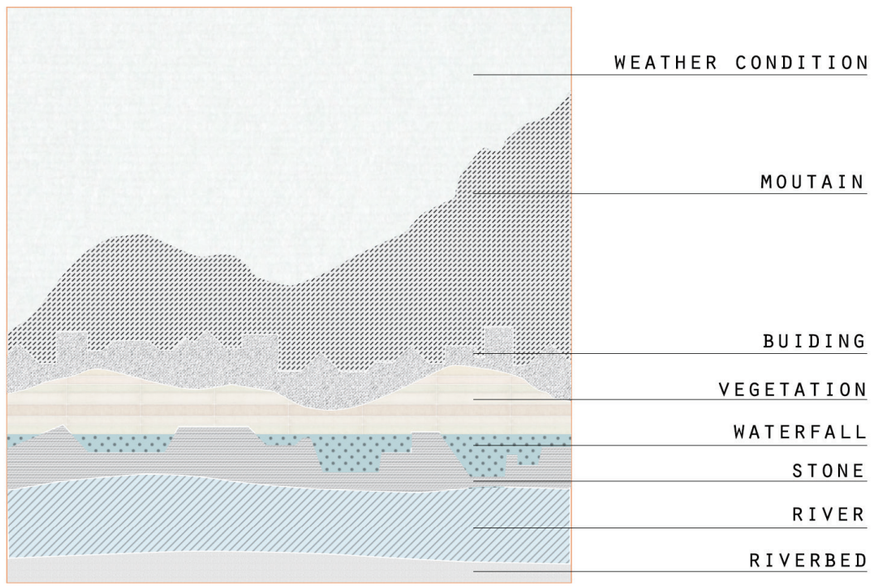
listening

playing



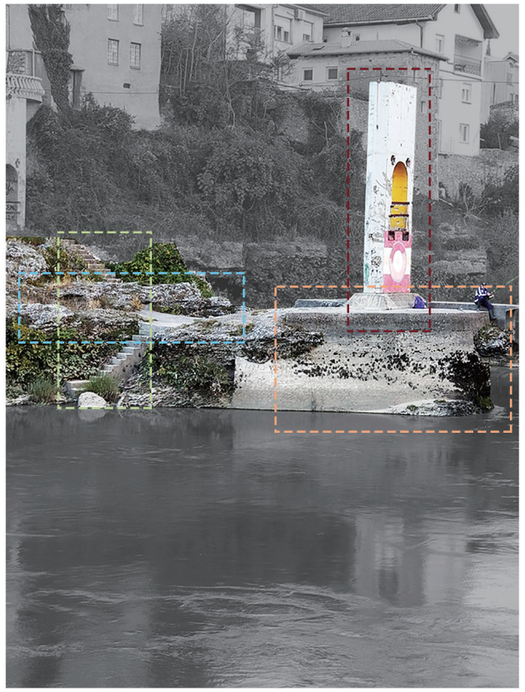
watching

watching

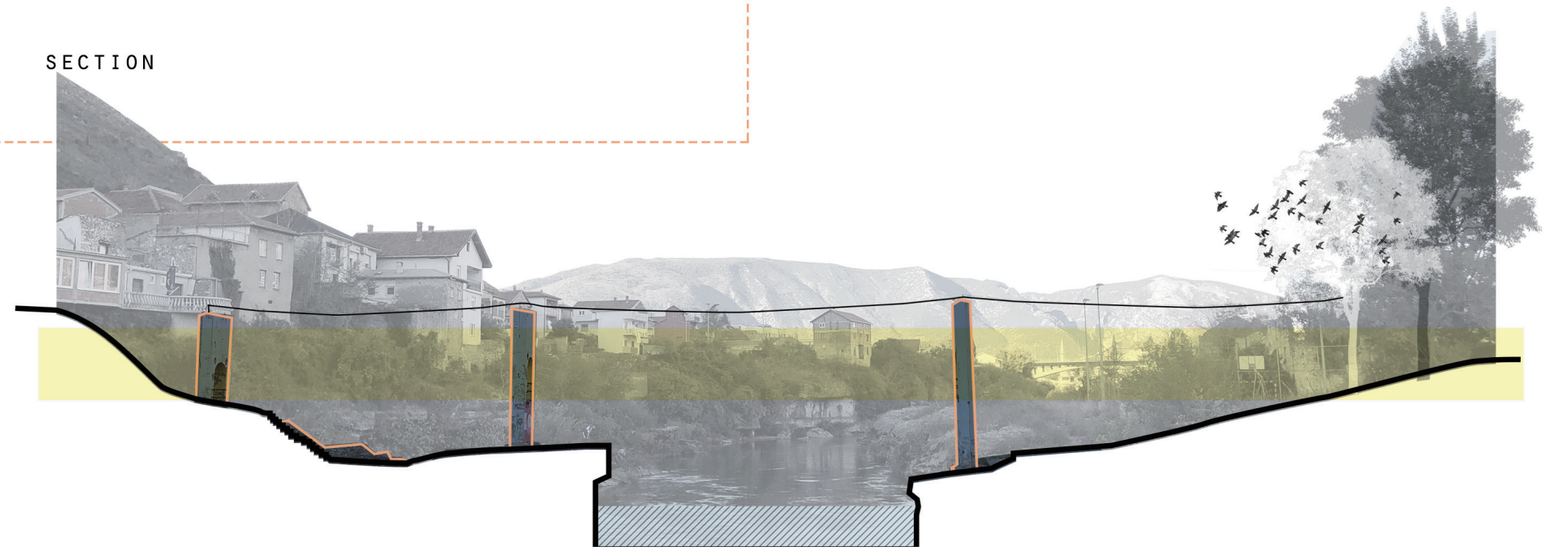


Kamenica Remaining

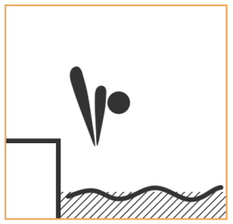
STRUCTURE REMAINING



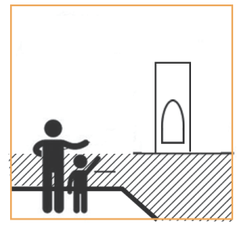
SECTION



fishing

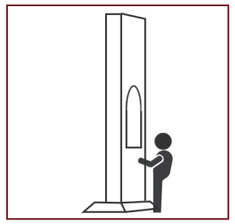


jumping

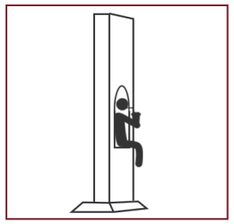


overlook

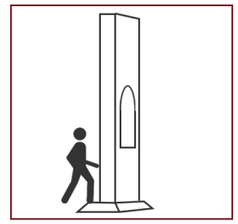
STRUCTURE



drawing



sitting



overlook

STAIRS

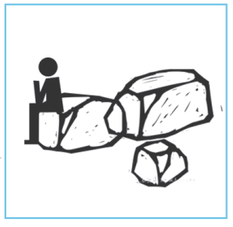
climbing

sitting

close to water

STONES

climbing



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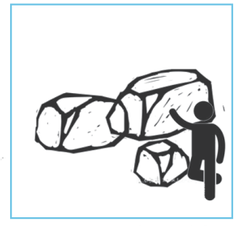
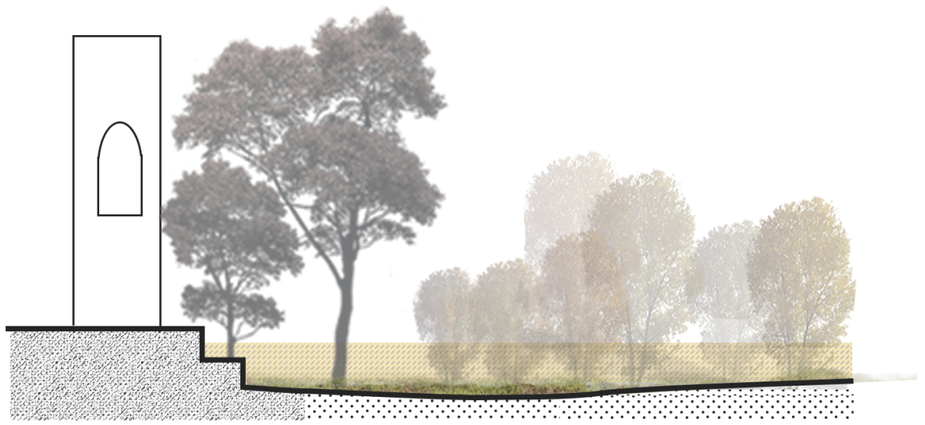
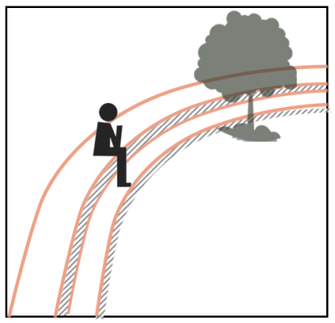


touching

Round Trace





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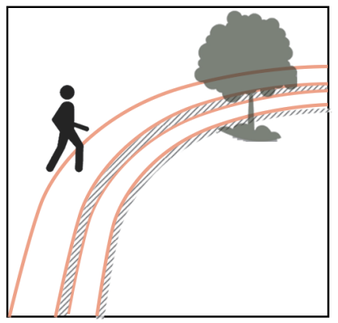
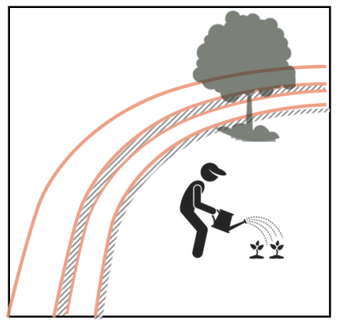
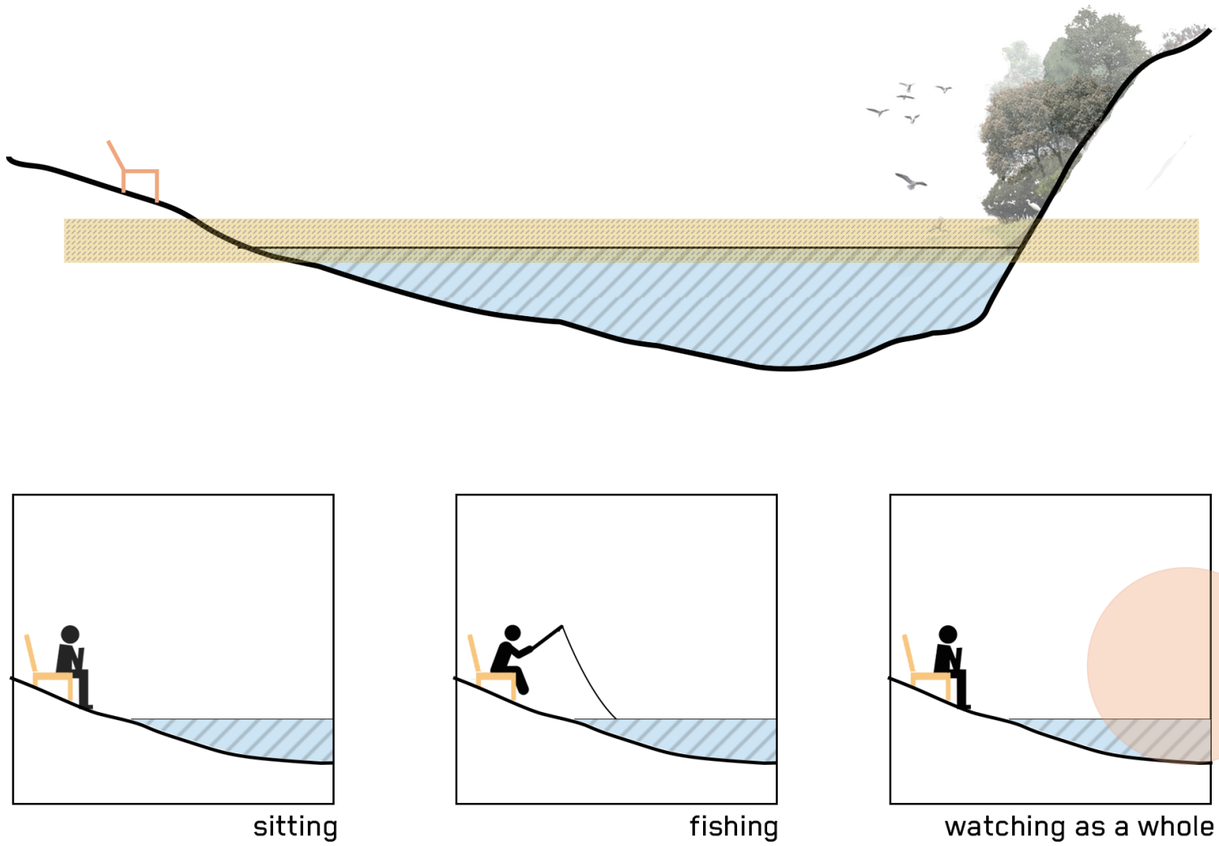


walking



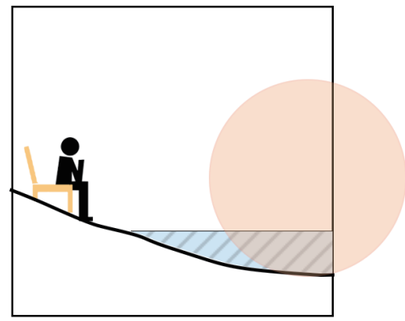
gardening

Bench



sitting

fishing

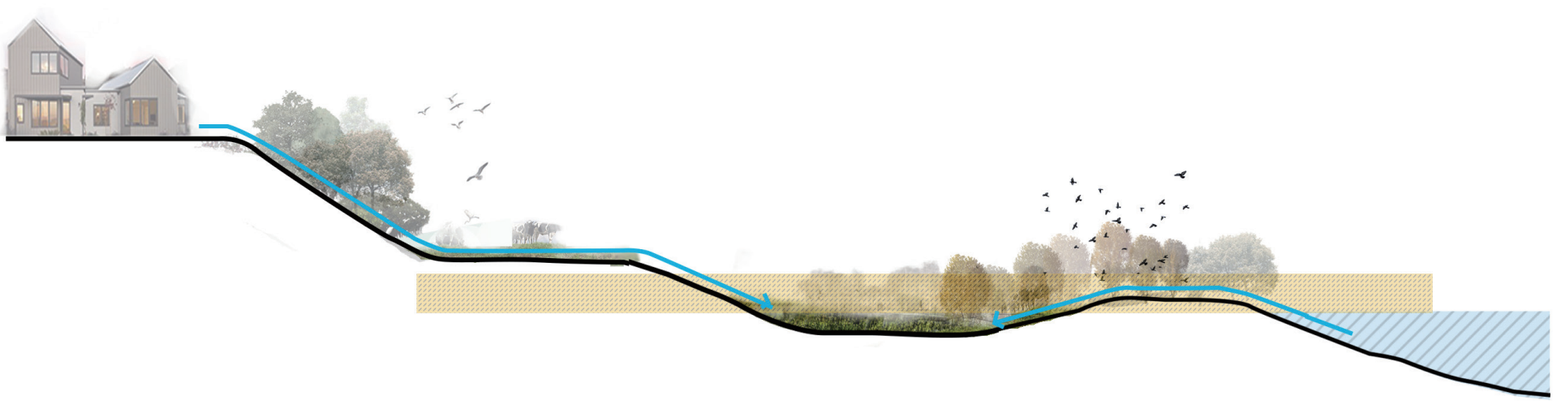


watching as a whole

Flooded Area

FLOODING AREA

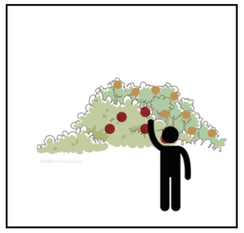
SECTION



LOW RIVER LEVEL

clear up the litter

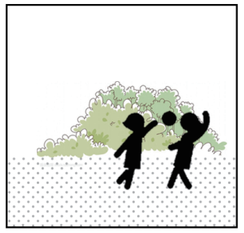
planting



pick the fruit

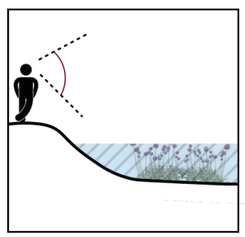
meditation

exercise

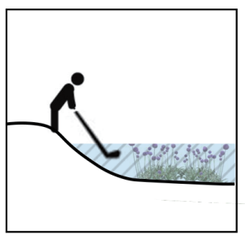


playing

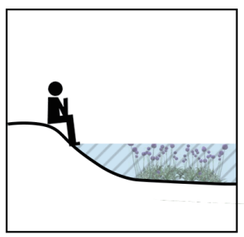
HIGH RIVER LEVEL



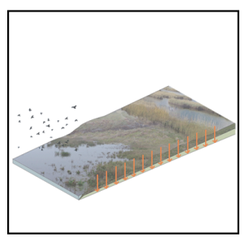
watching



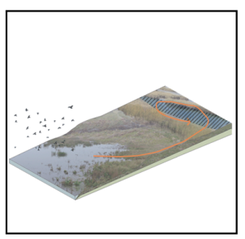
salvage



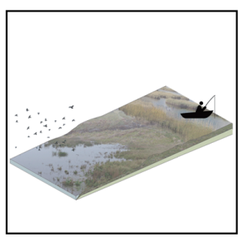
close to water



sedimentation



water storage

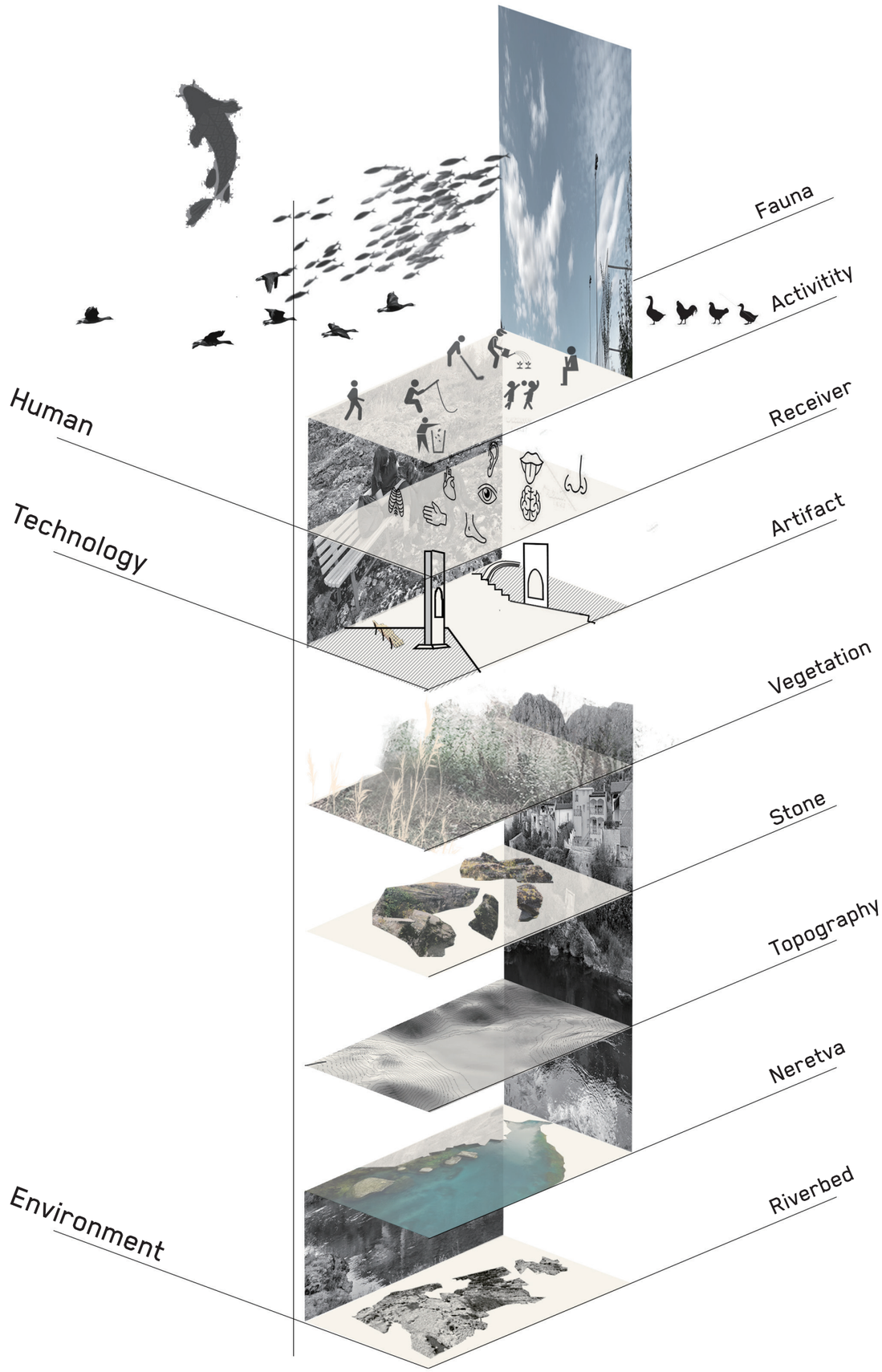


shipping

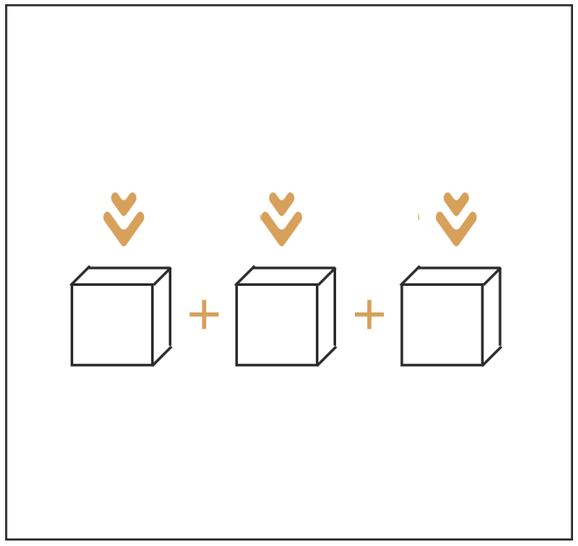
Other Elements

ENTRANCE
RUINED STRUCTURE
BRIDGE REMAINING
SEWAGE DRAINAGE
ROUND TRACE

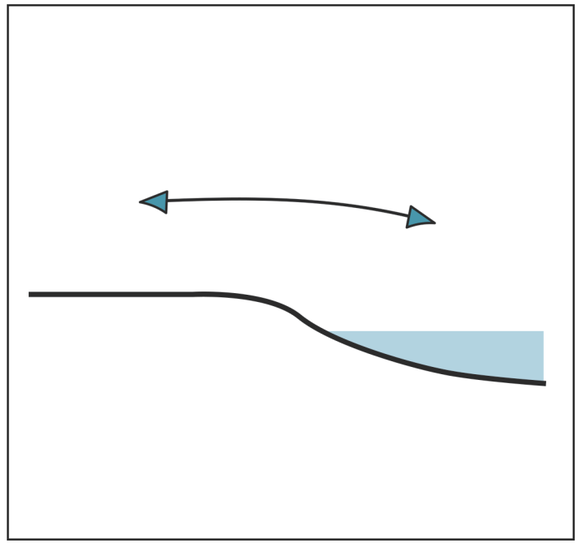
Conclusion


Fauna
Activitity
Human
Receiver
Technology
Artifact
Vegetation
Stone
Topography
Neretva
Environment
Riverbed

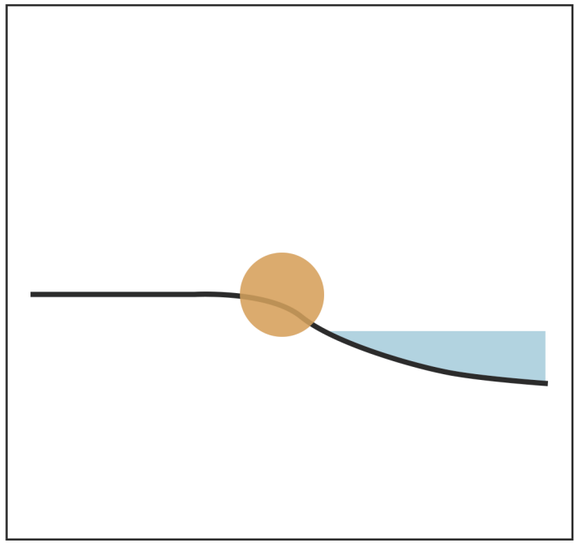
Design Principles



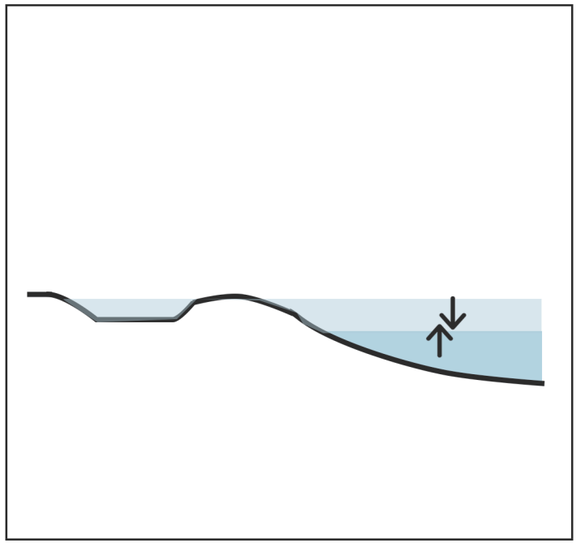
Enhance the atrributes of the carriers



Enhance accessibility

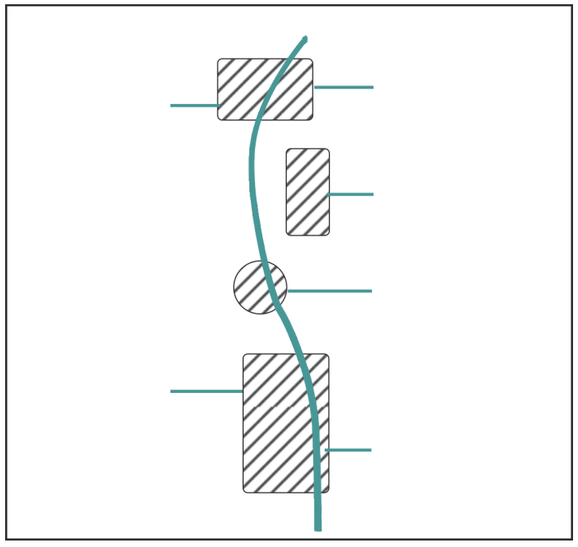


Re-activate the river edge

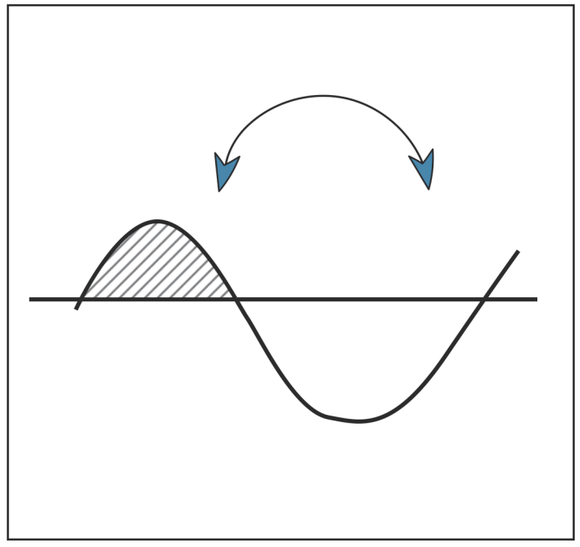


Reveal the natural processes

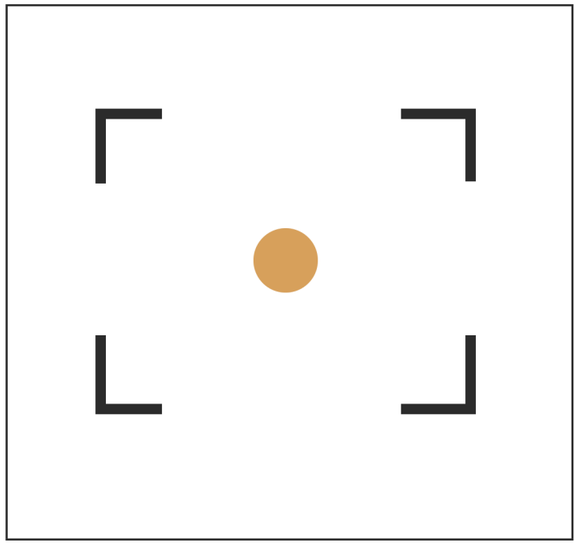
Design Principles



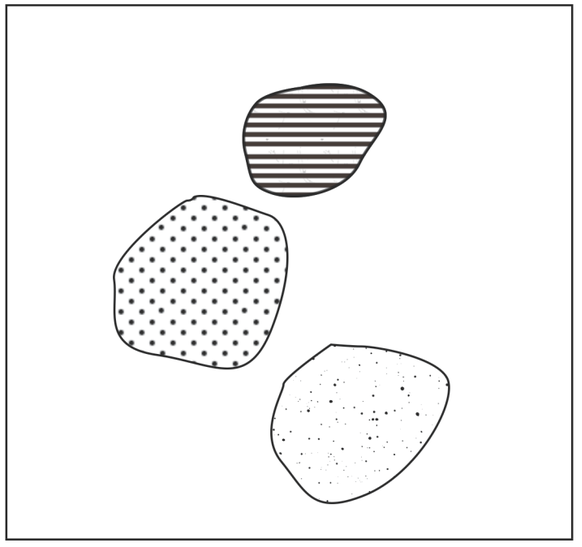
Work with water flows



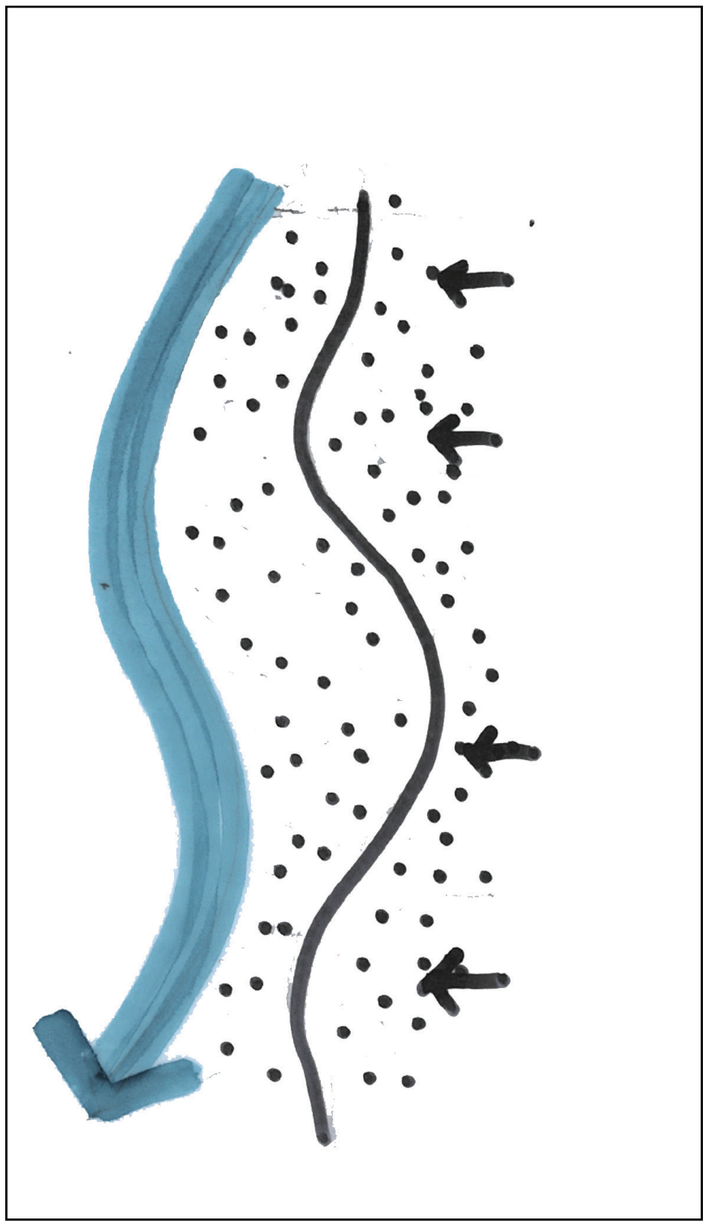
Cut and Fill

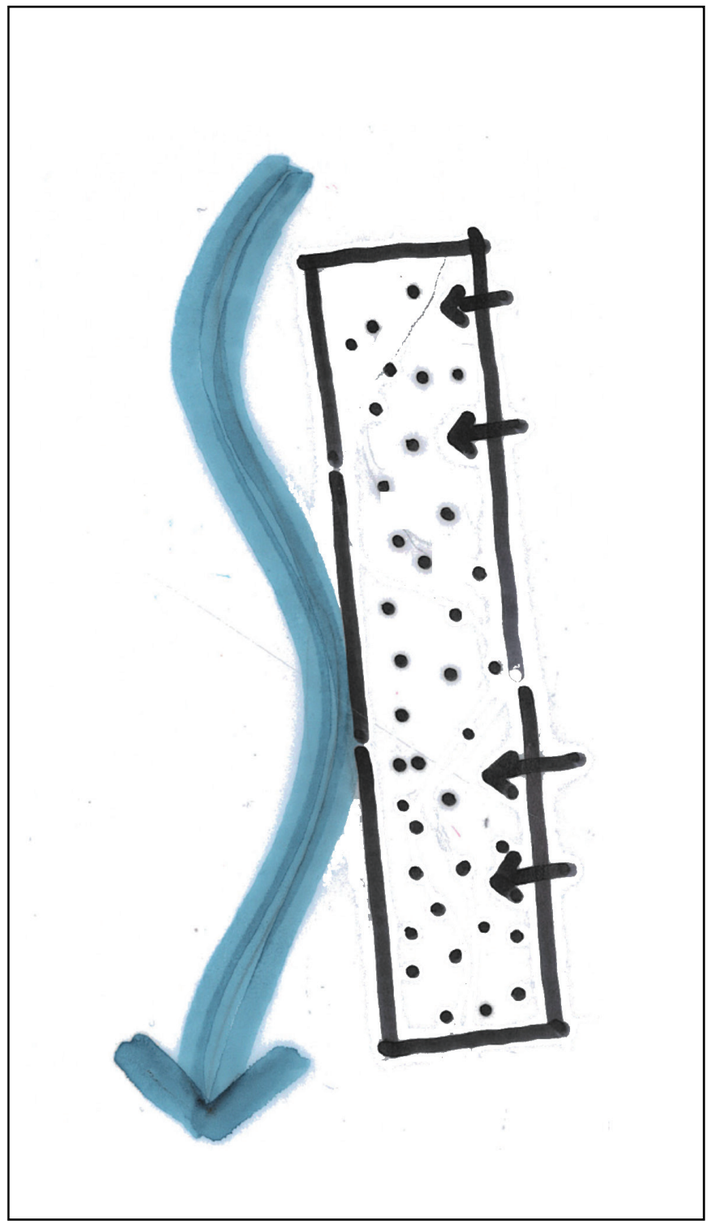


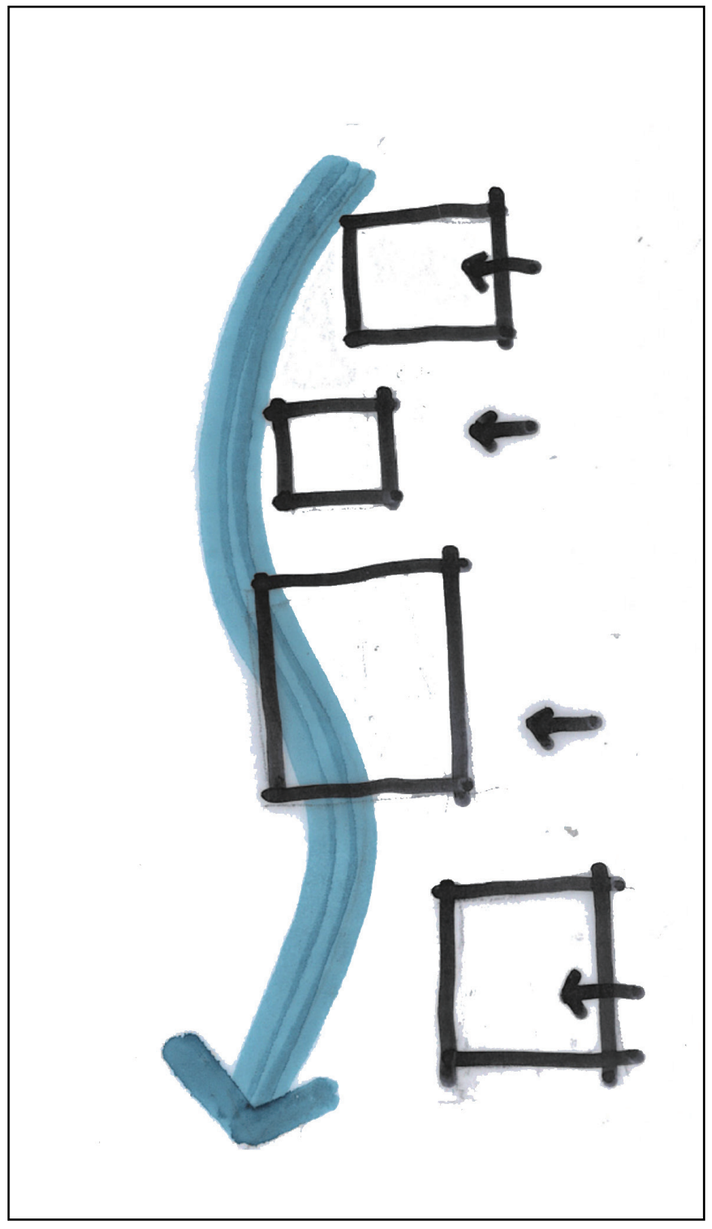
Frame and view



Introduce new vegetation patches

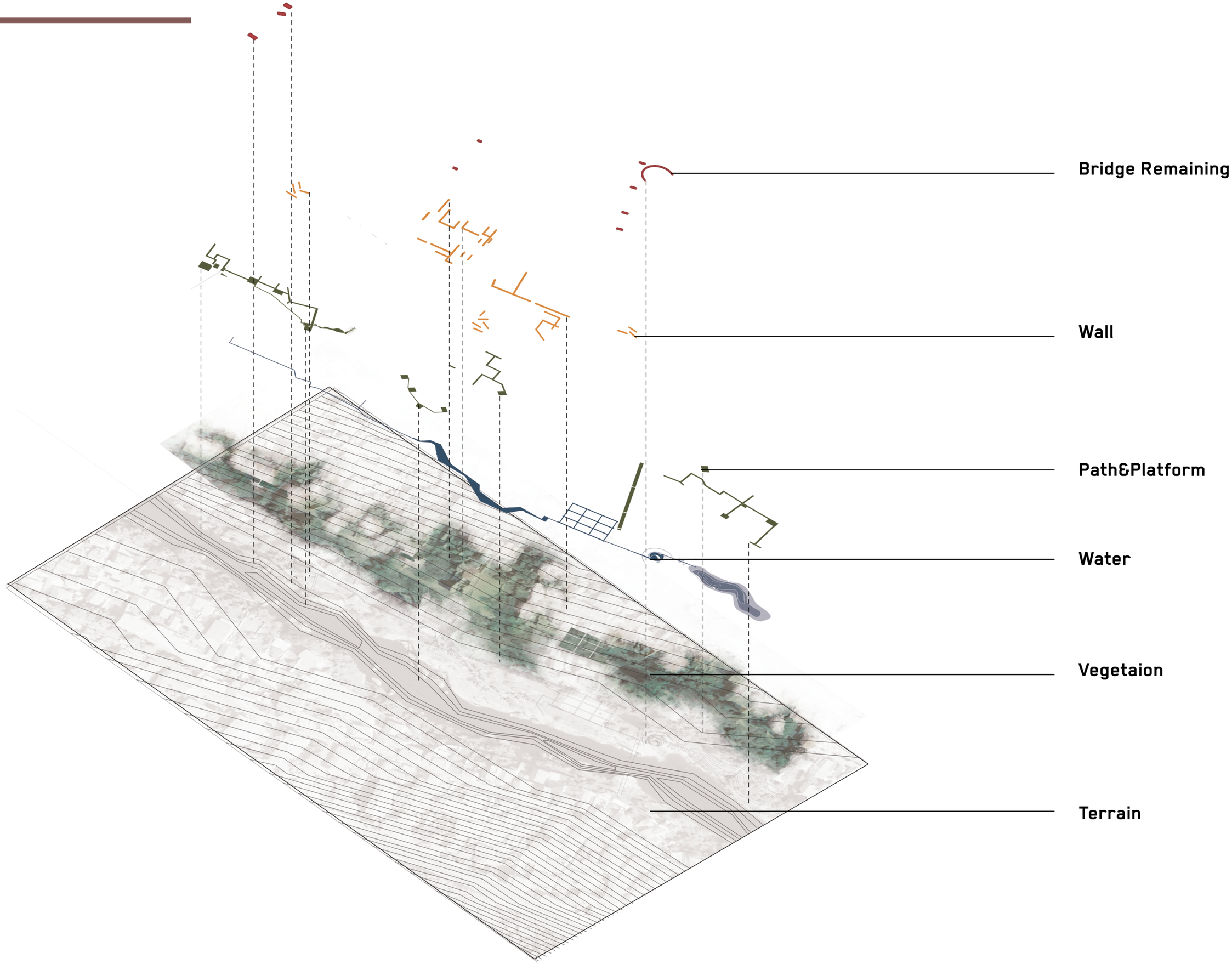




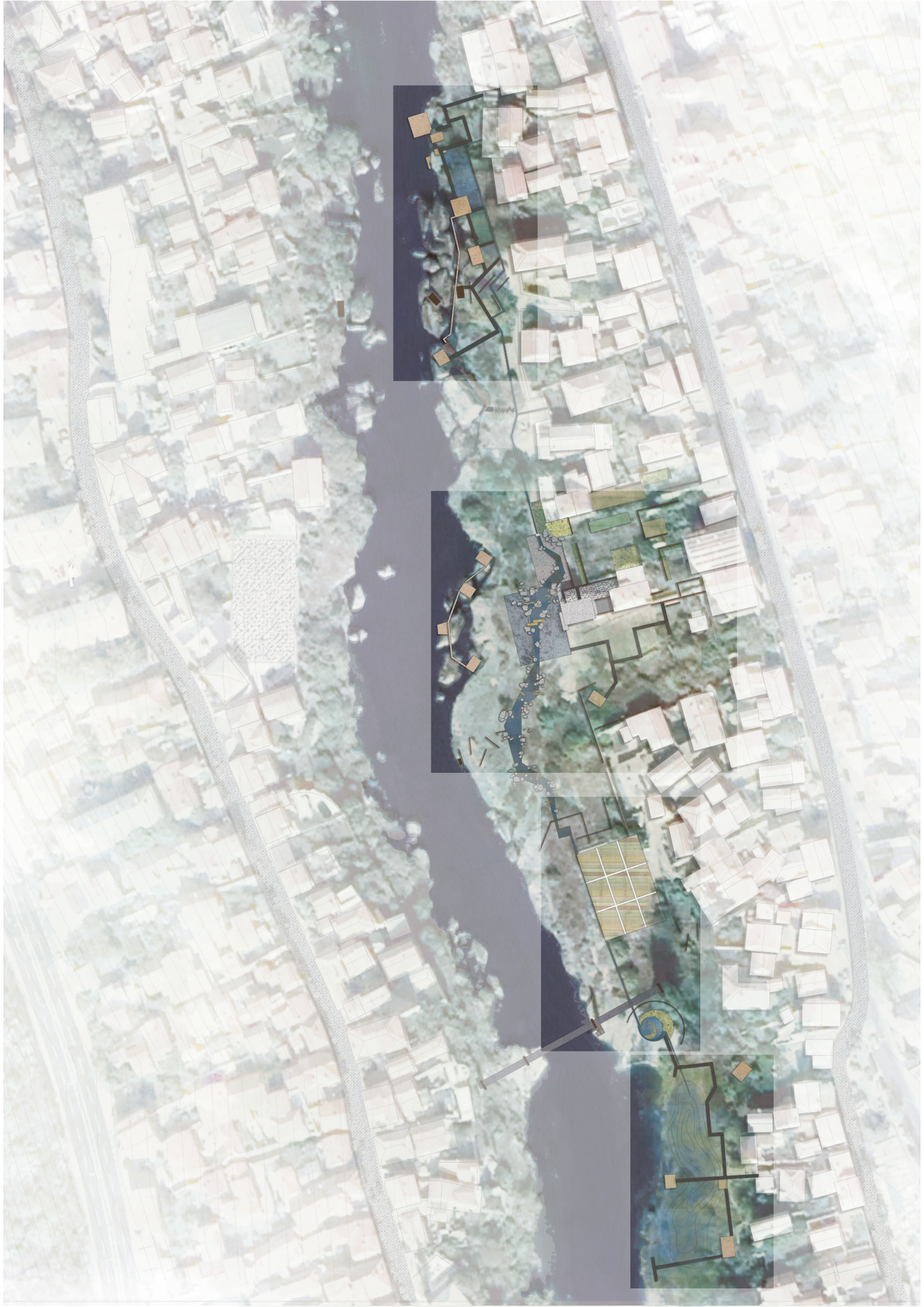


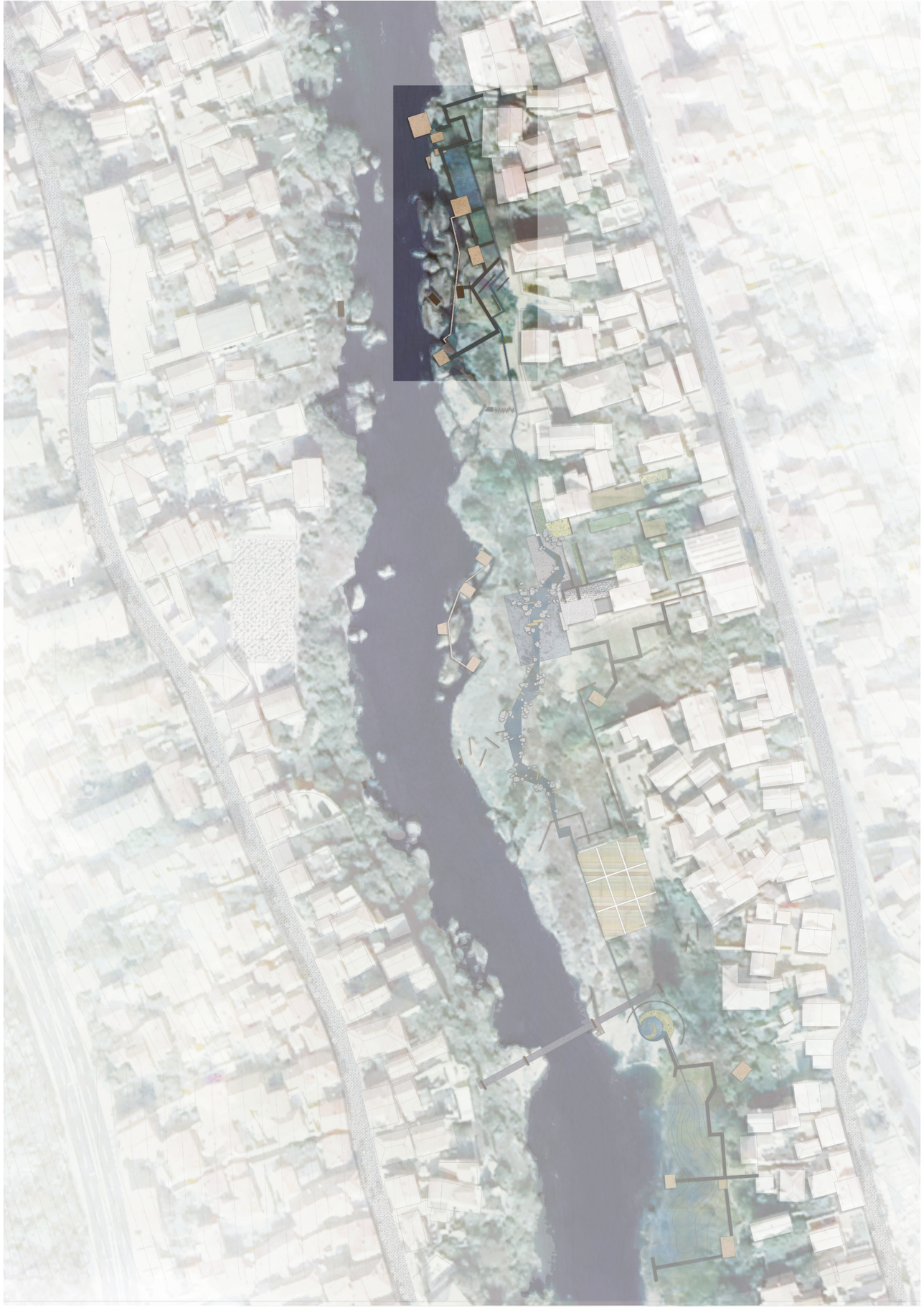
ENTRANCE
RUINED STRUCTURE
BRIDGE REMAINING
SEWAGE DRAINAGE
ROUND TRACE

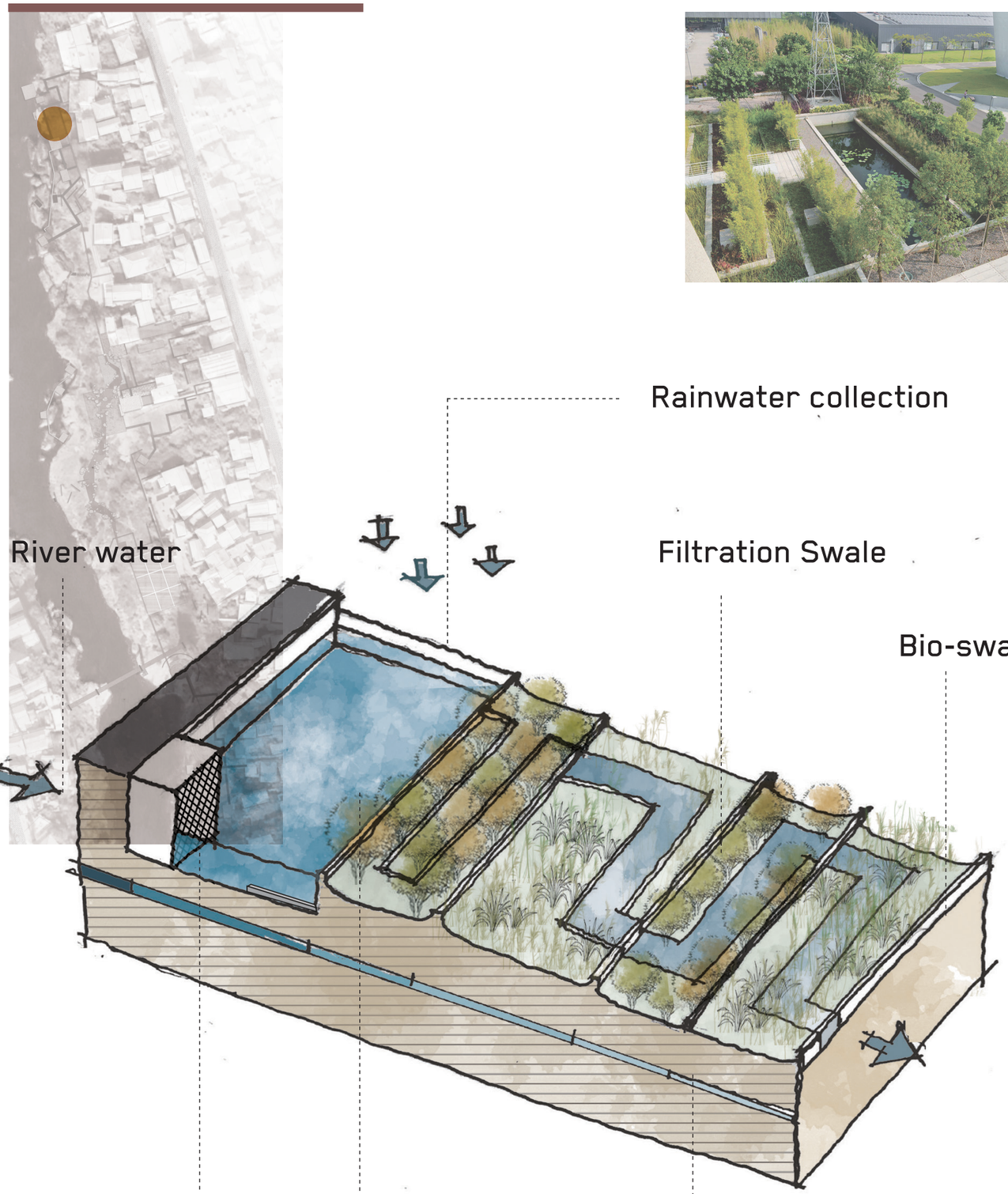
Masterplan

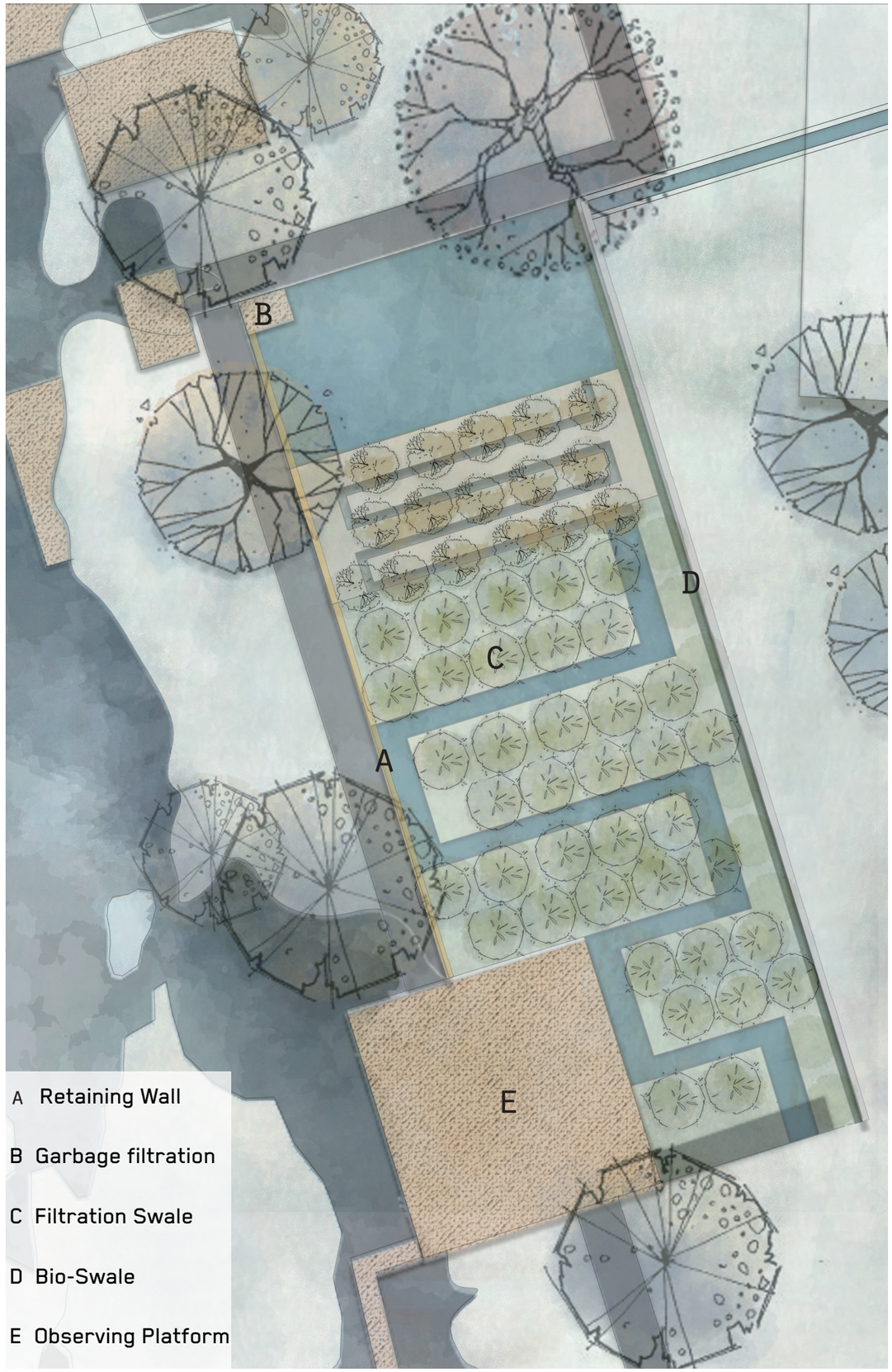

Bridge Remaining
Wall
Path&Platform
Water
Vegetaion
Terrain

Focal Areas

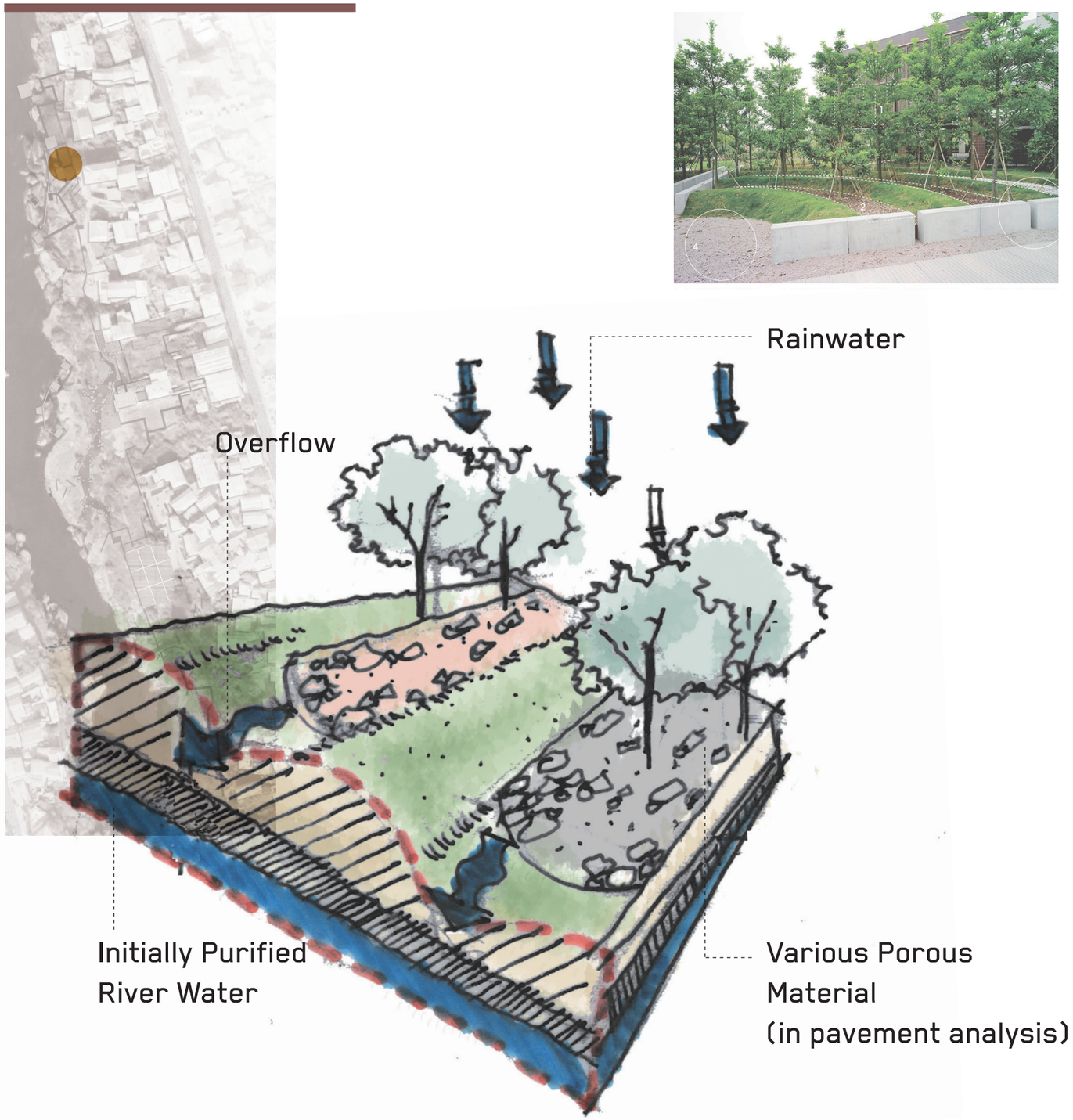


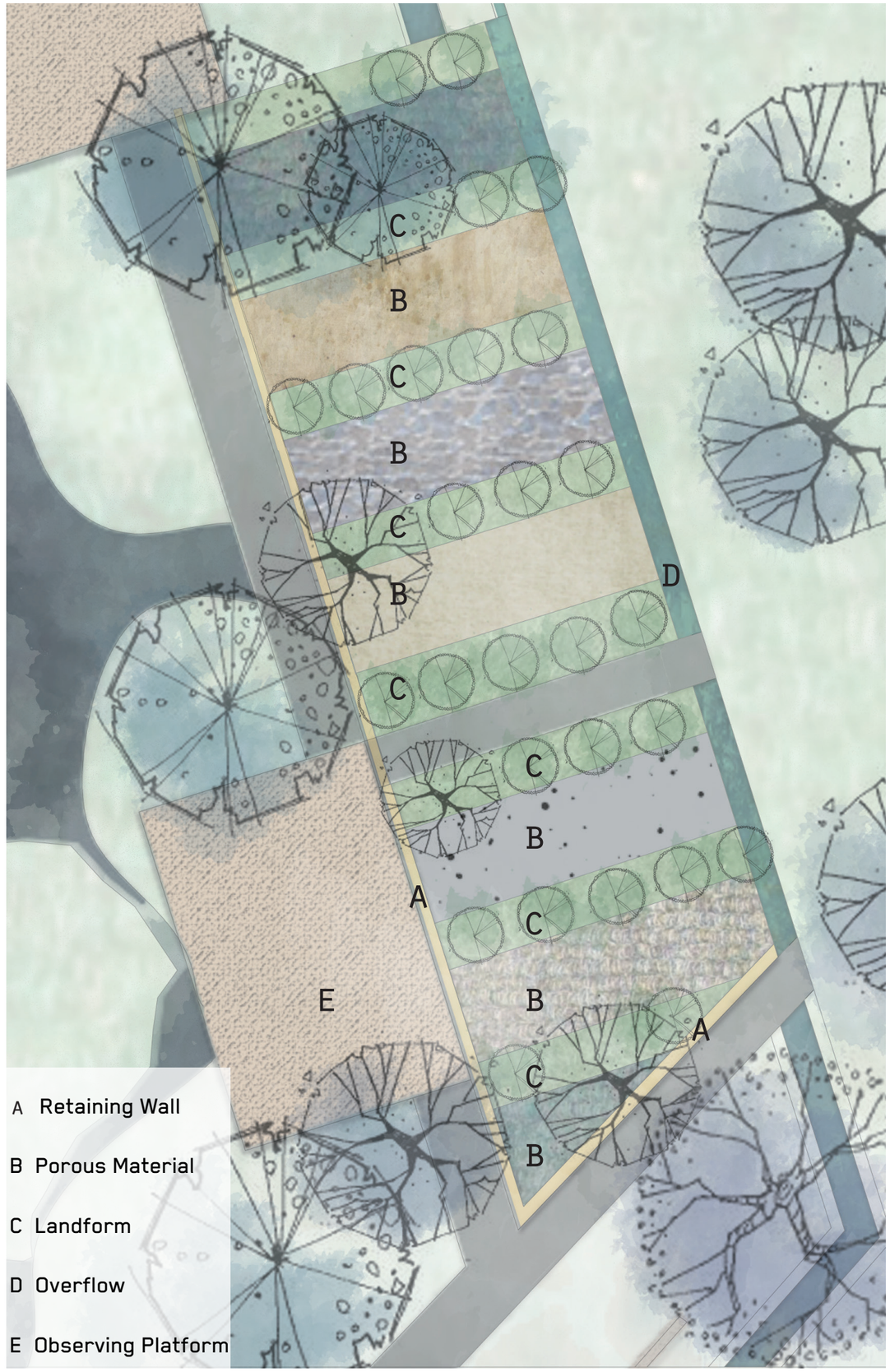






Source: https://www.gooood.cn/vanke-research-center-by-zt.htm



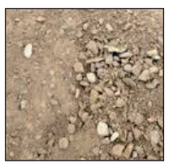


Wood Chips

Cobble

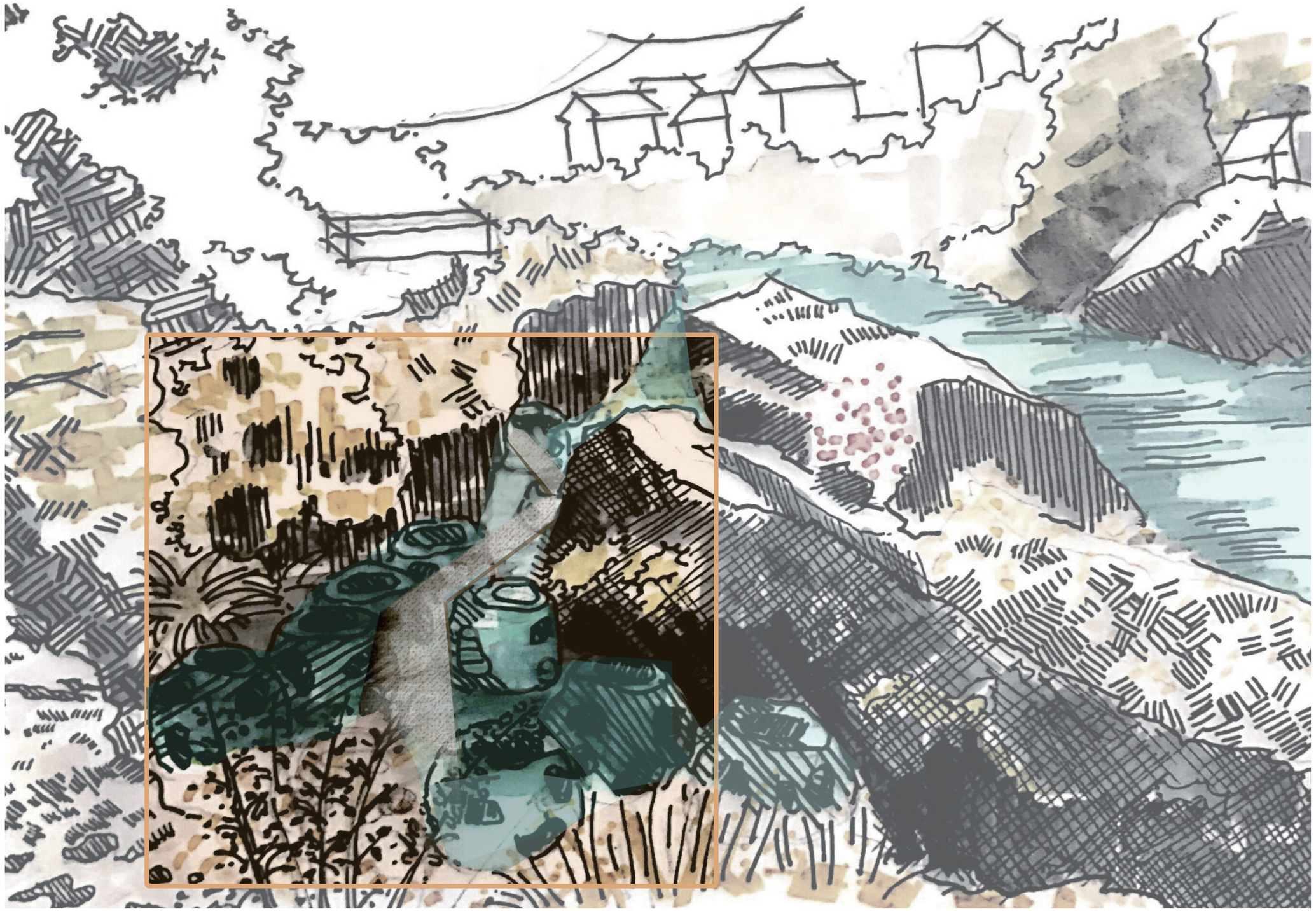
Travertine

Gravel

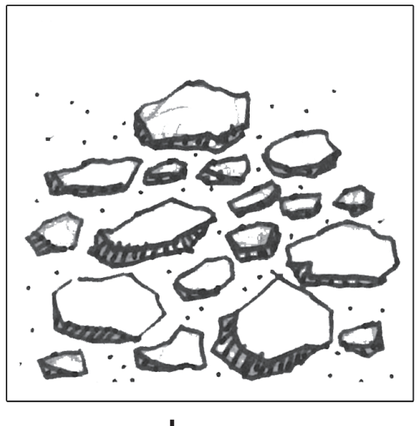

Sand

Breca

Source: https://www.gooood.cn/vanke-research-center-by-zt.html



Source: https://www.marinecultures.org/en/projects/reefballs/

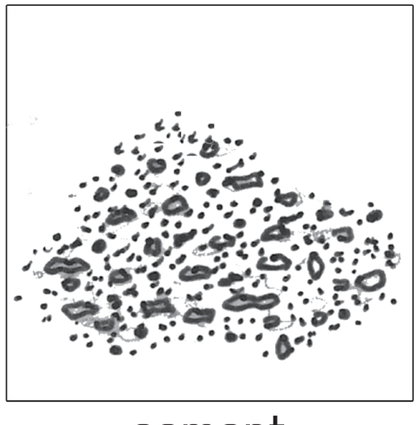


stones

+

waste

+



cement

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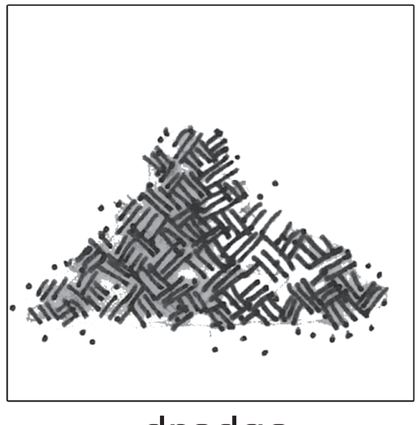
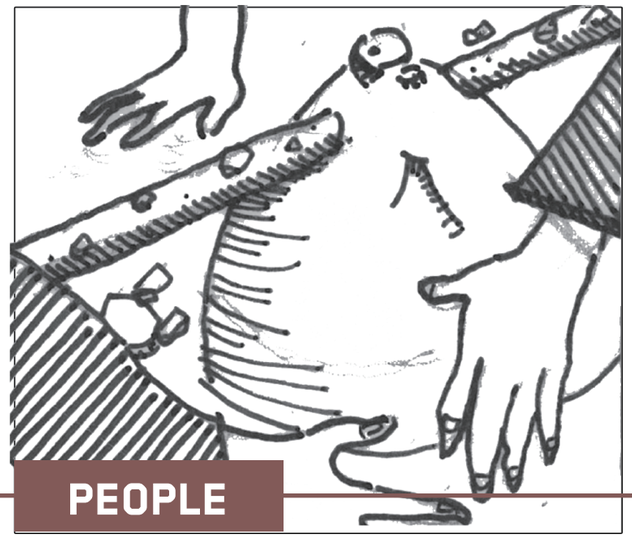


dredge

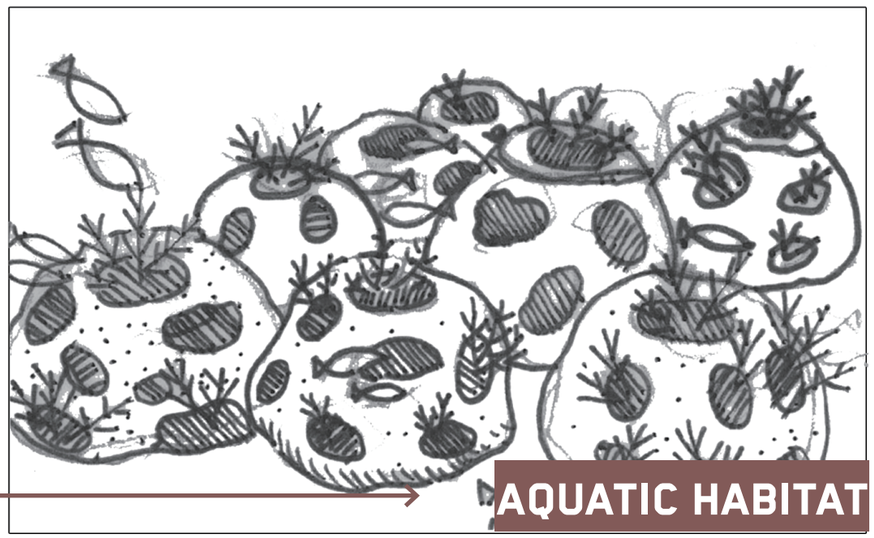
=

Reef Ball

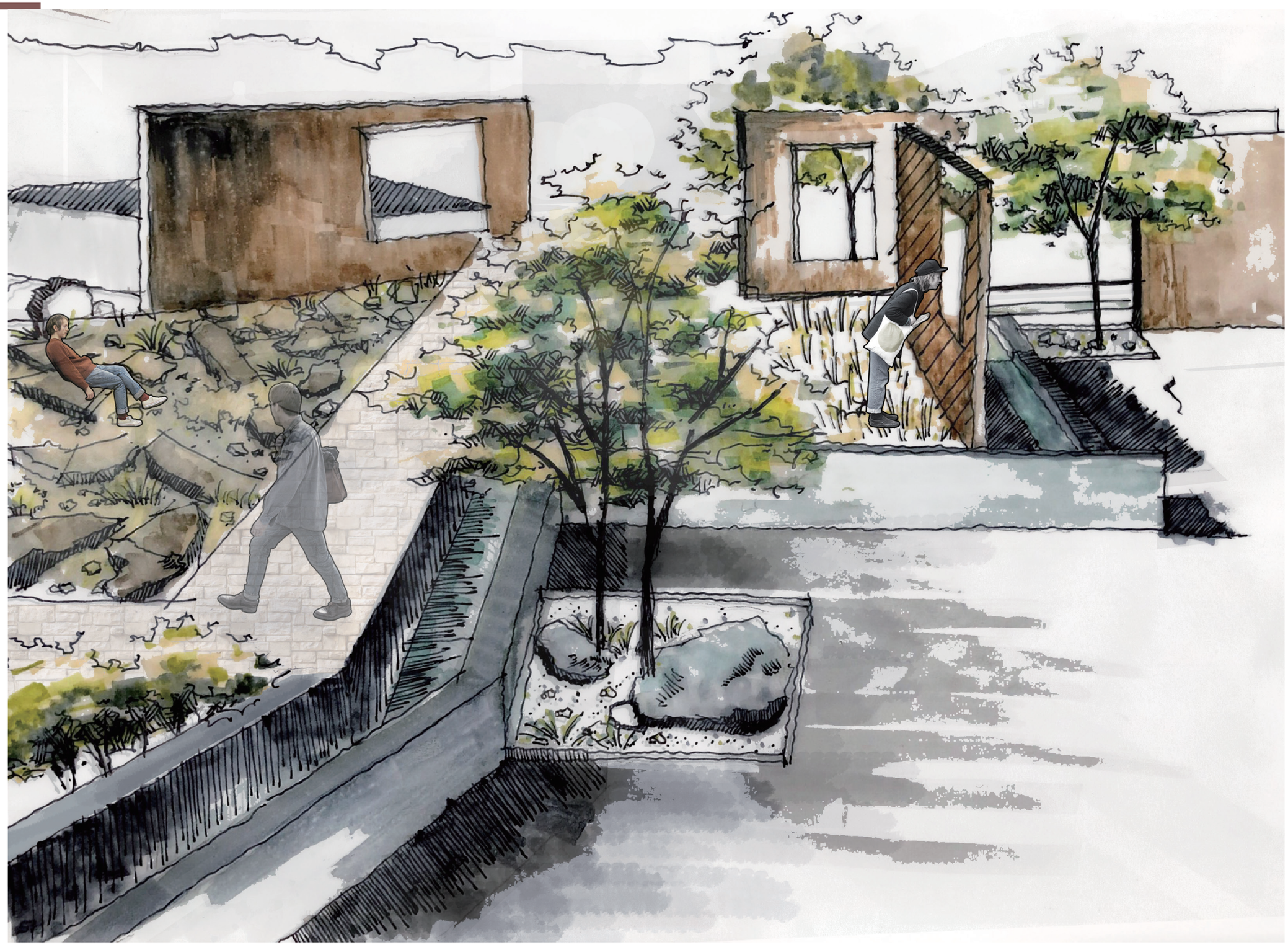


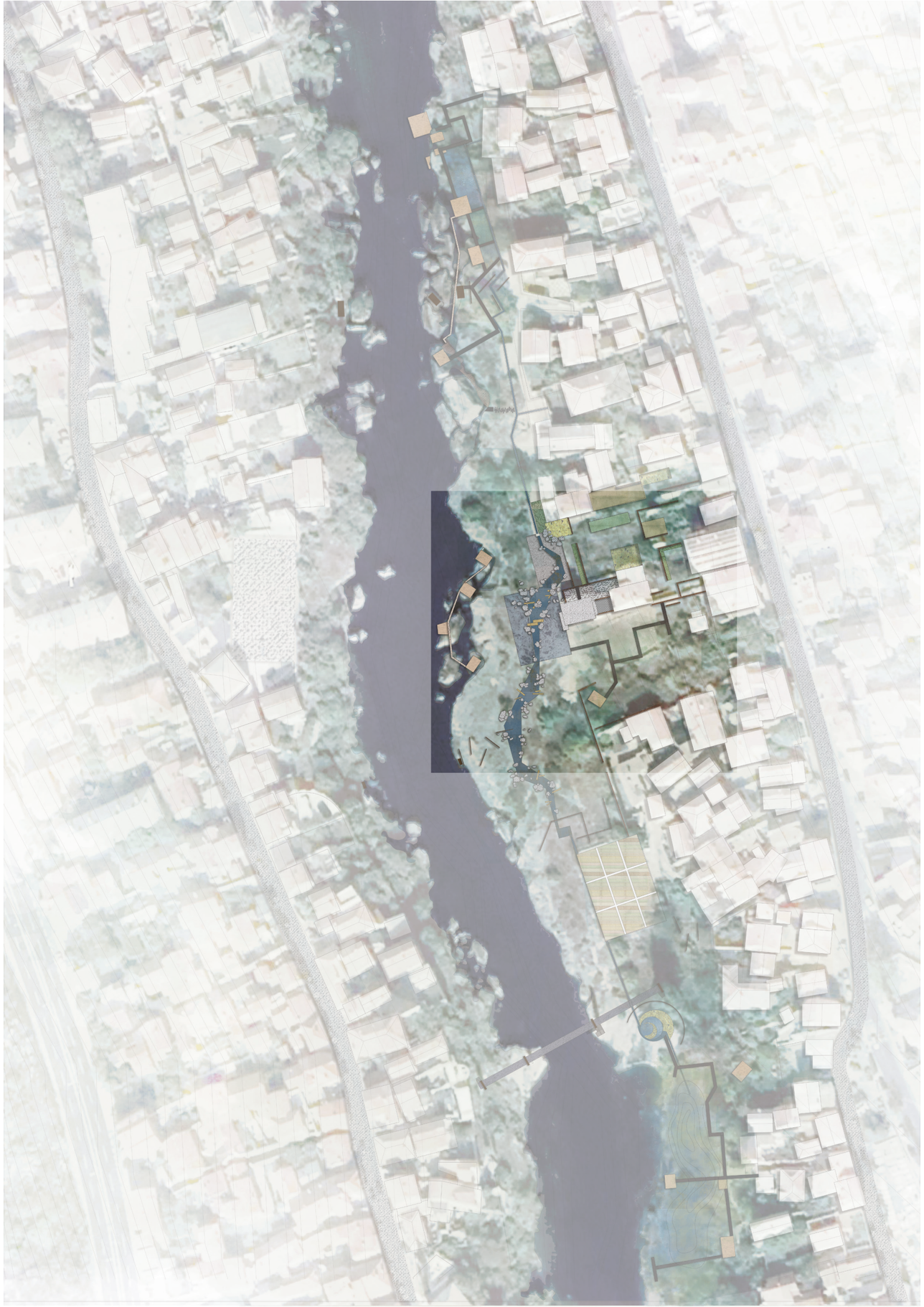
PEOPLE

PRODUCT

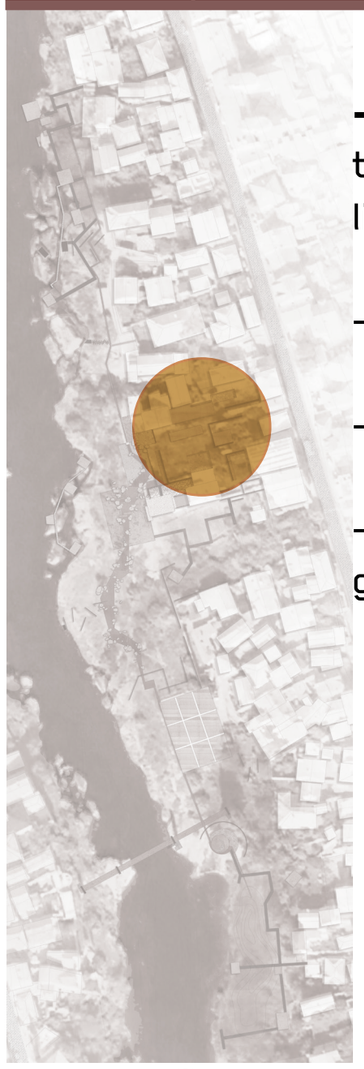


AQUATIC HABITAT





Plant Principle

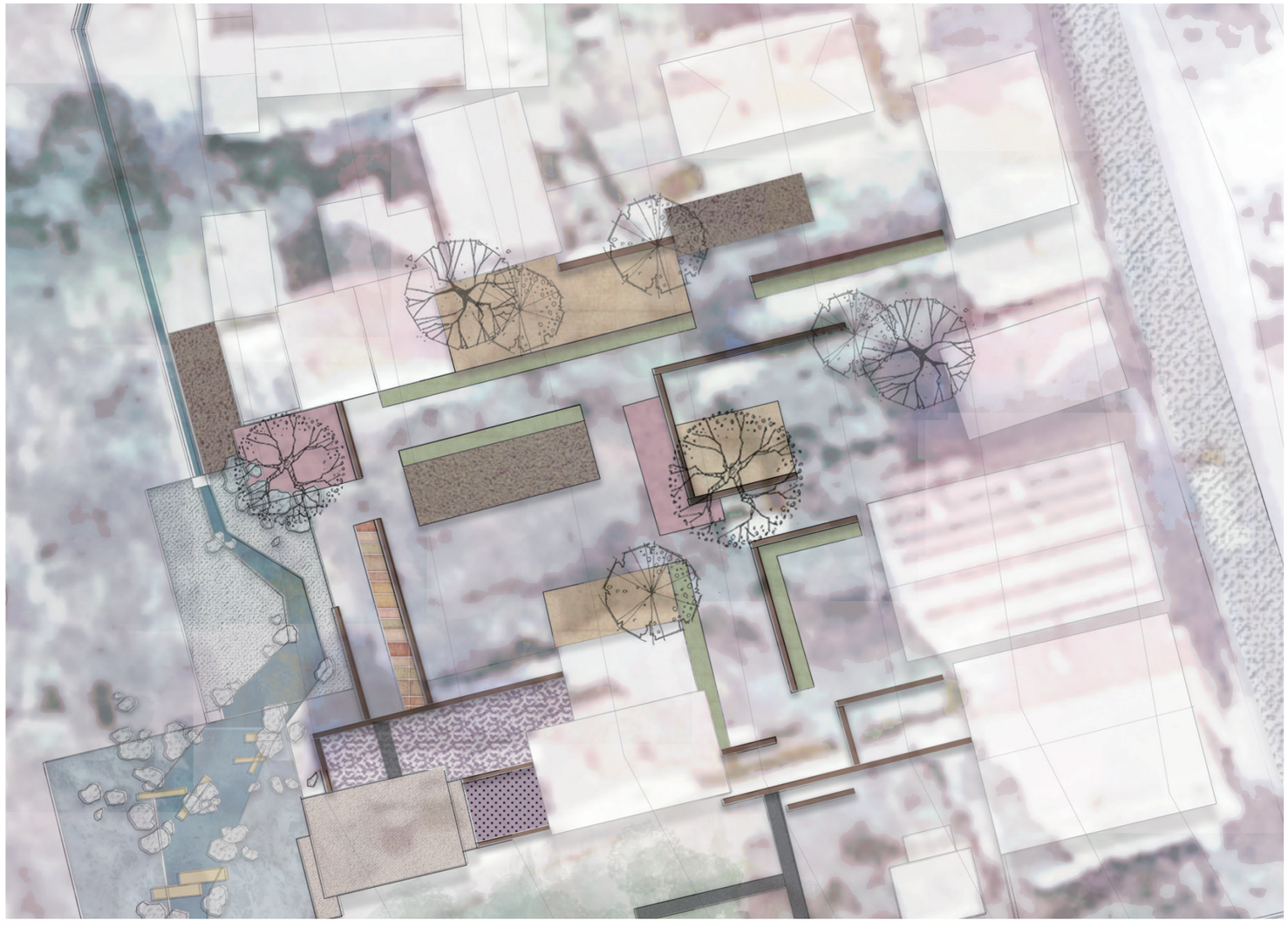


- Suitable for The Soil:
terra rossa and brown soils on limestone

- Low Maintance

- Abundant Seasonal Change

- Respond to the history of the garden in the city



1

Limonium bellidifolium

Common Reed

2

Camellia

3

Clematis

4

Arundo donax

Boxwood

Gerbera anandria

Prunus Cerasus

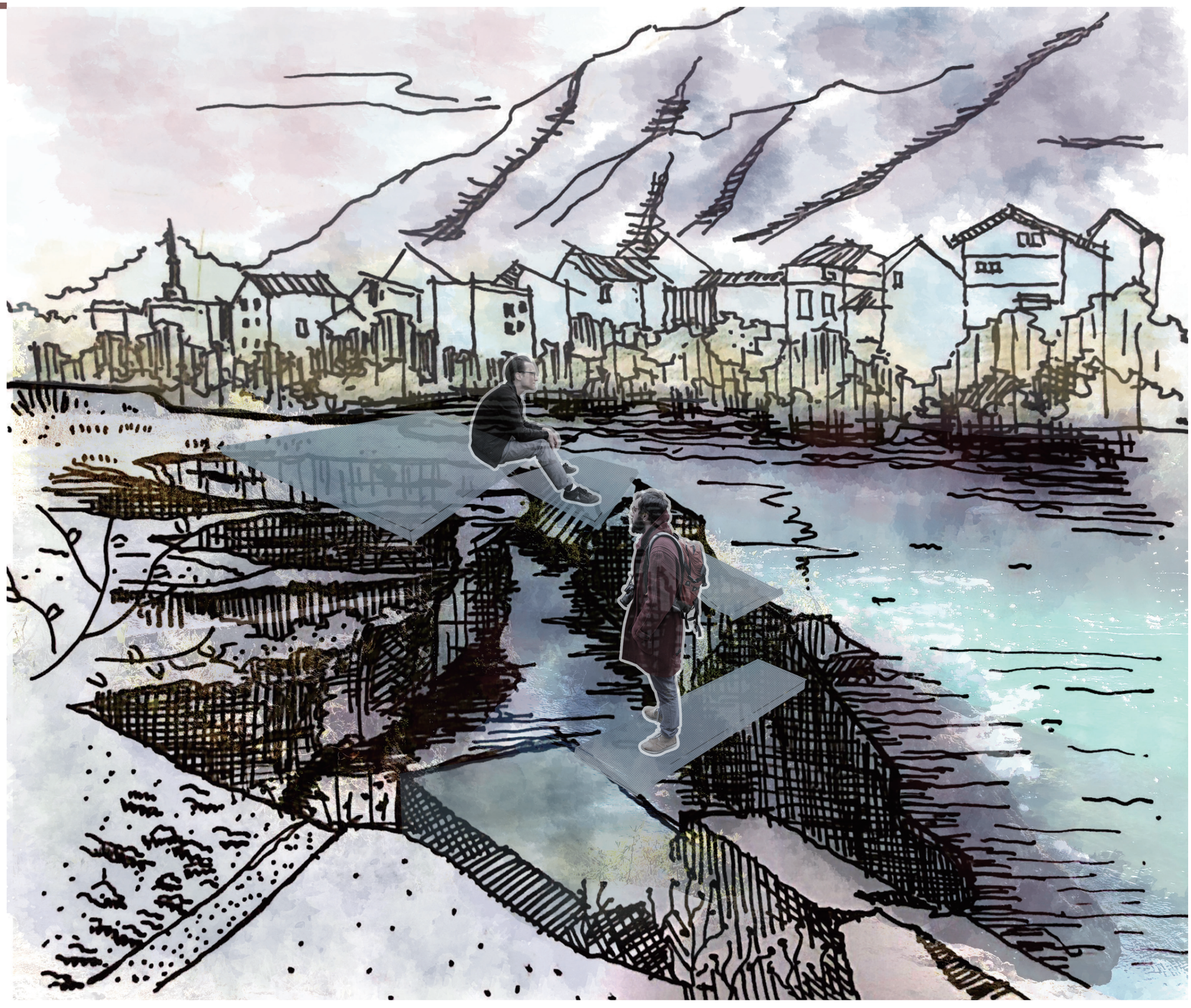
5

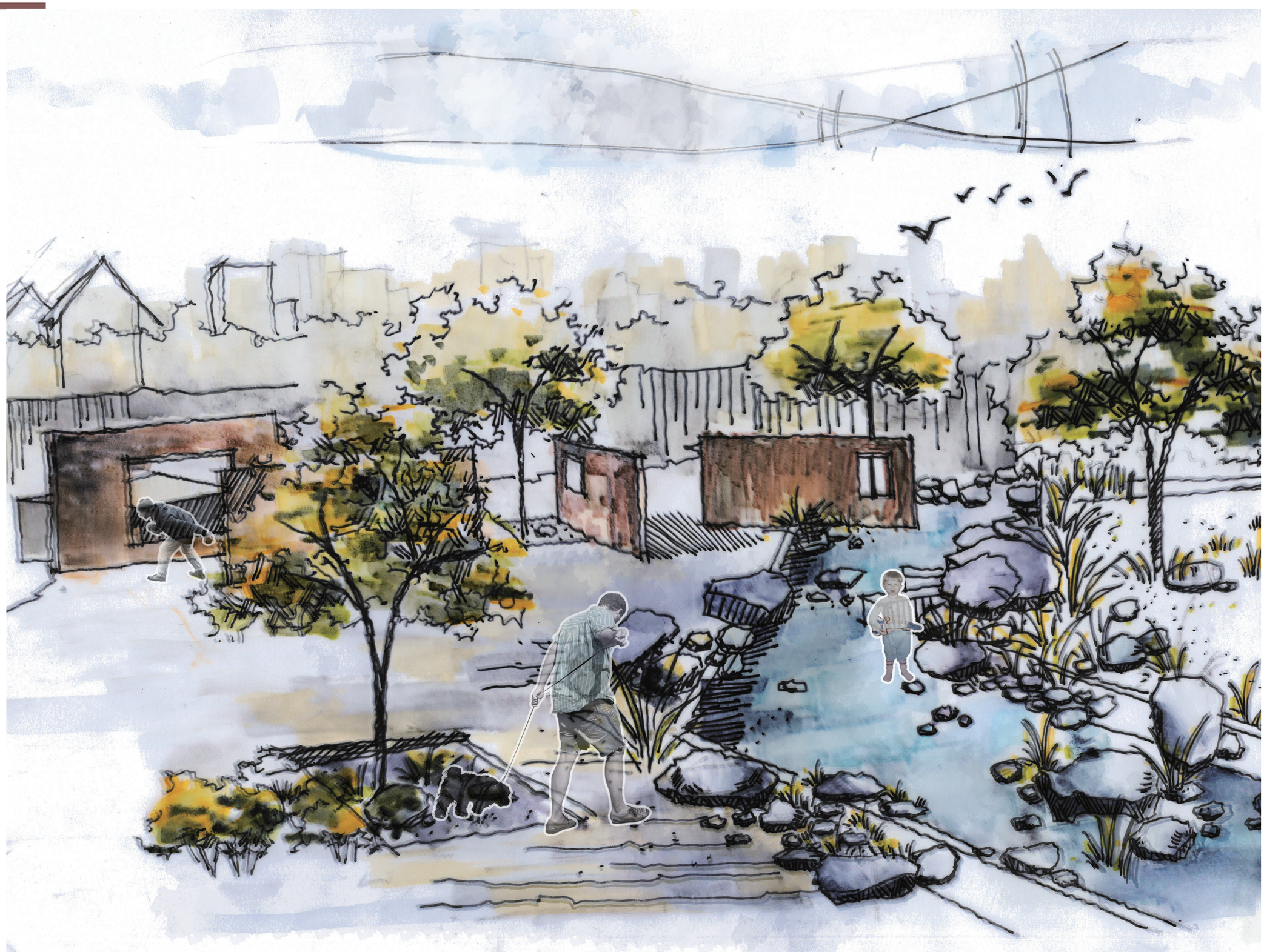
Bamboo

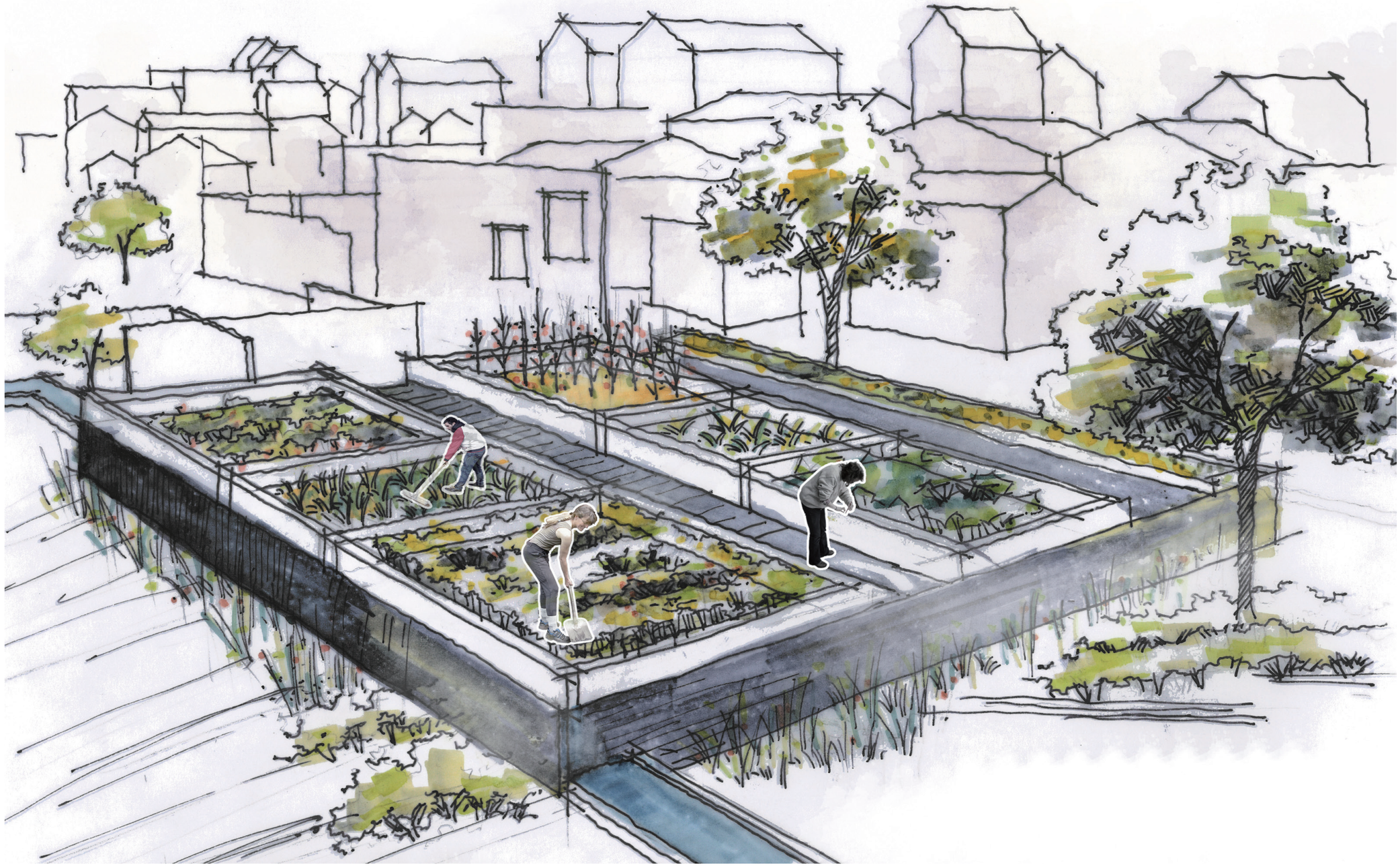
A

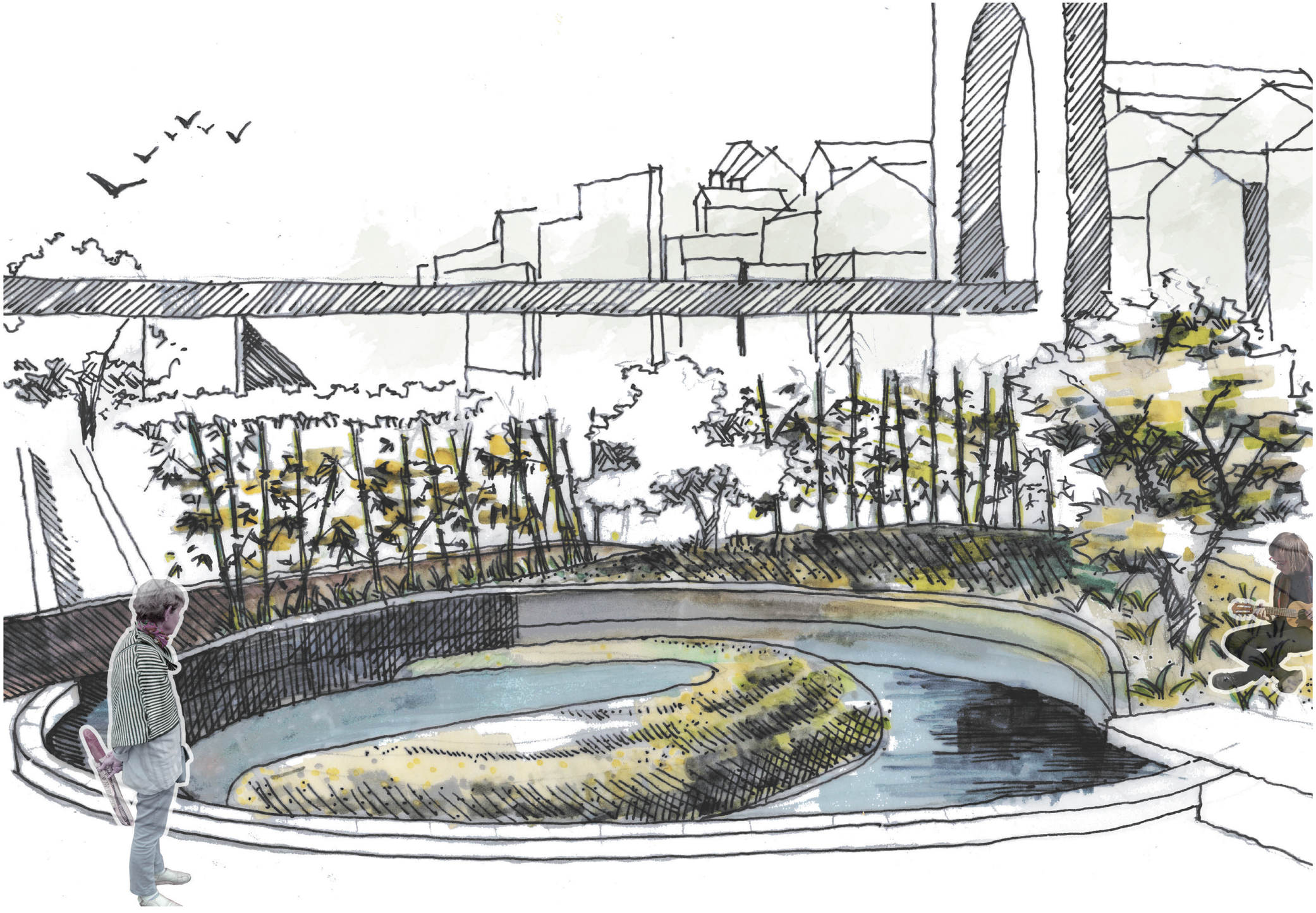
B

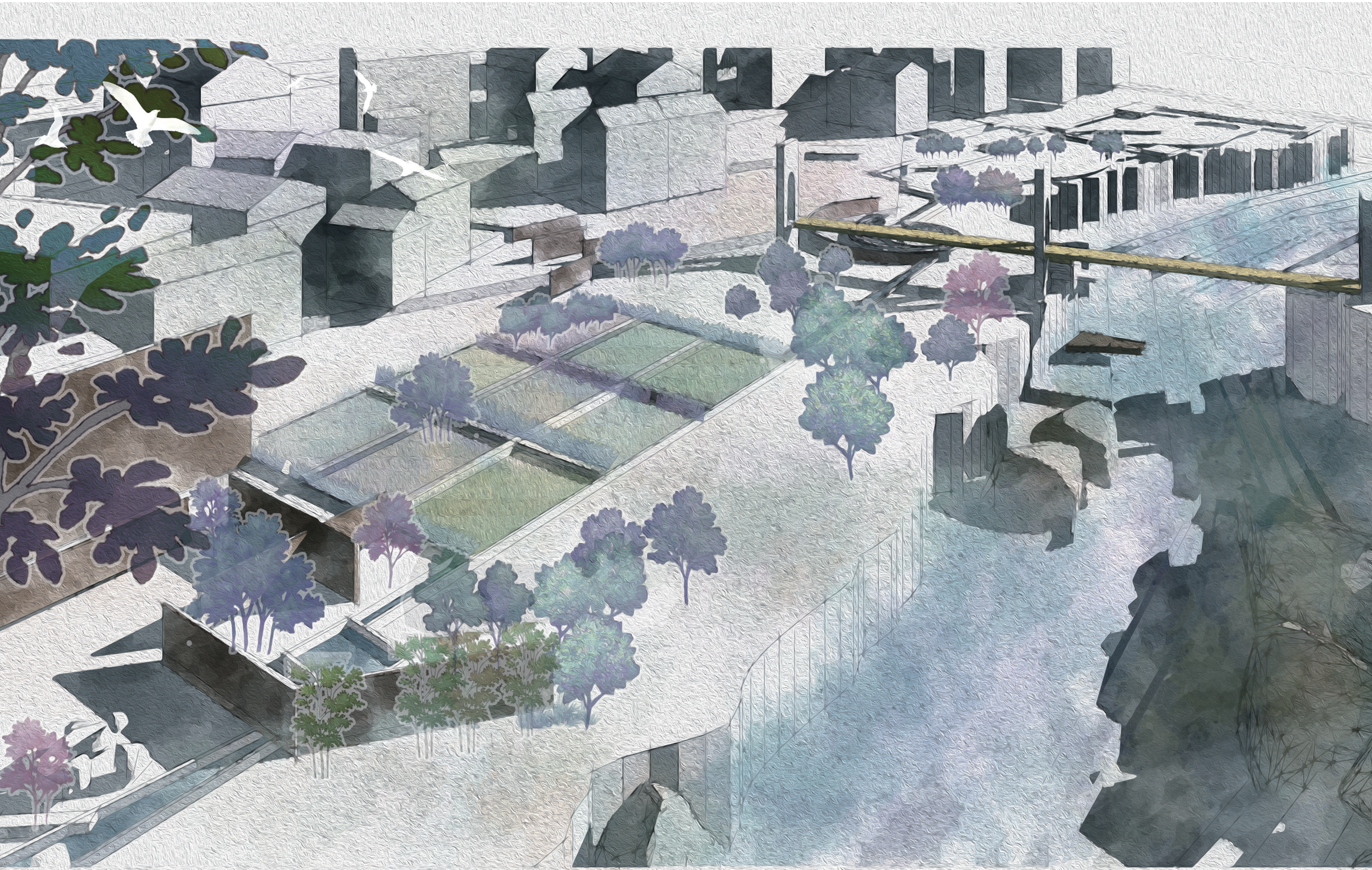
C

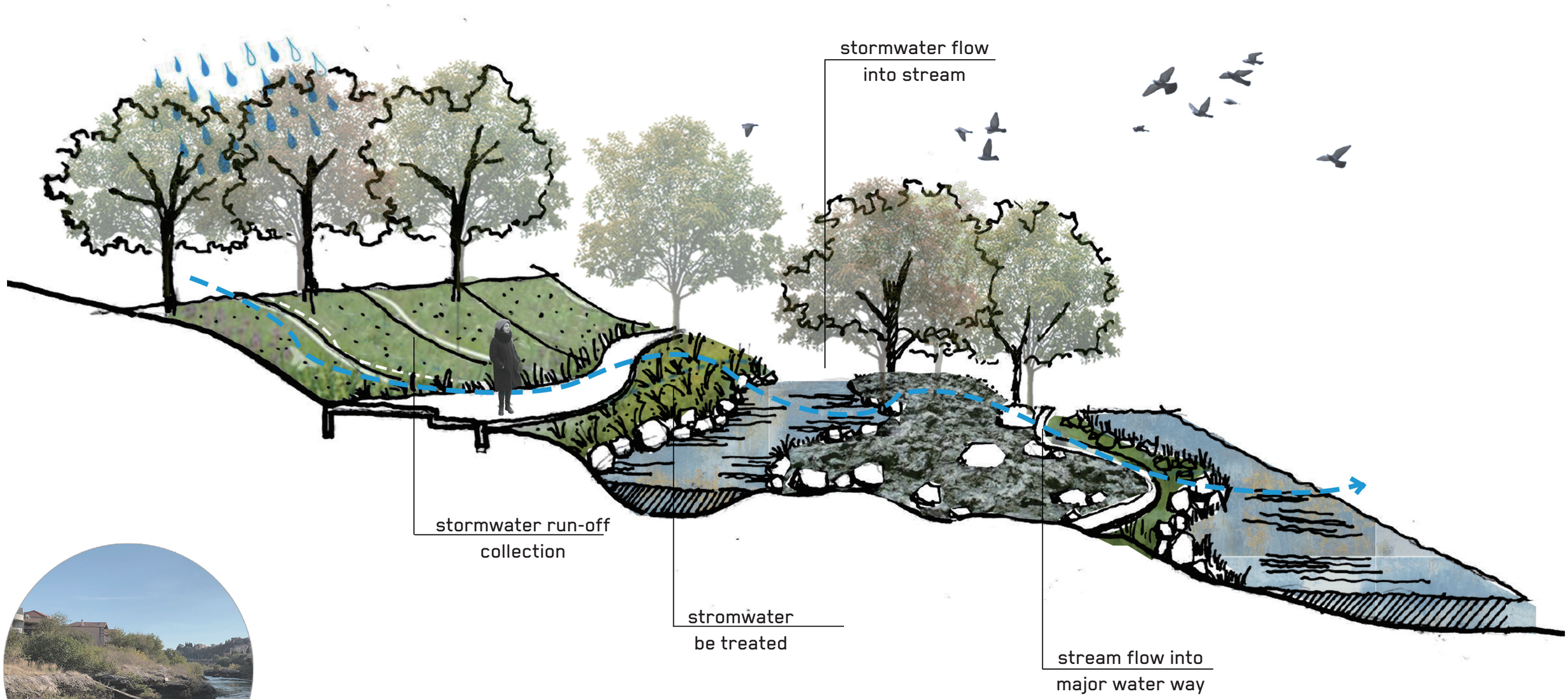


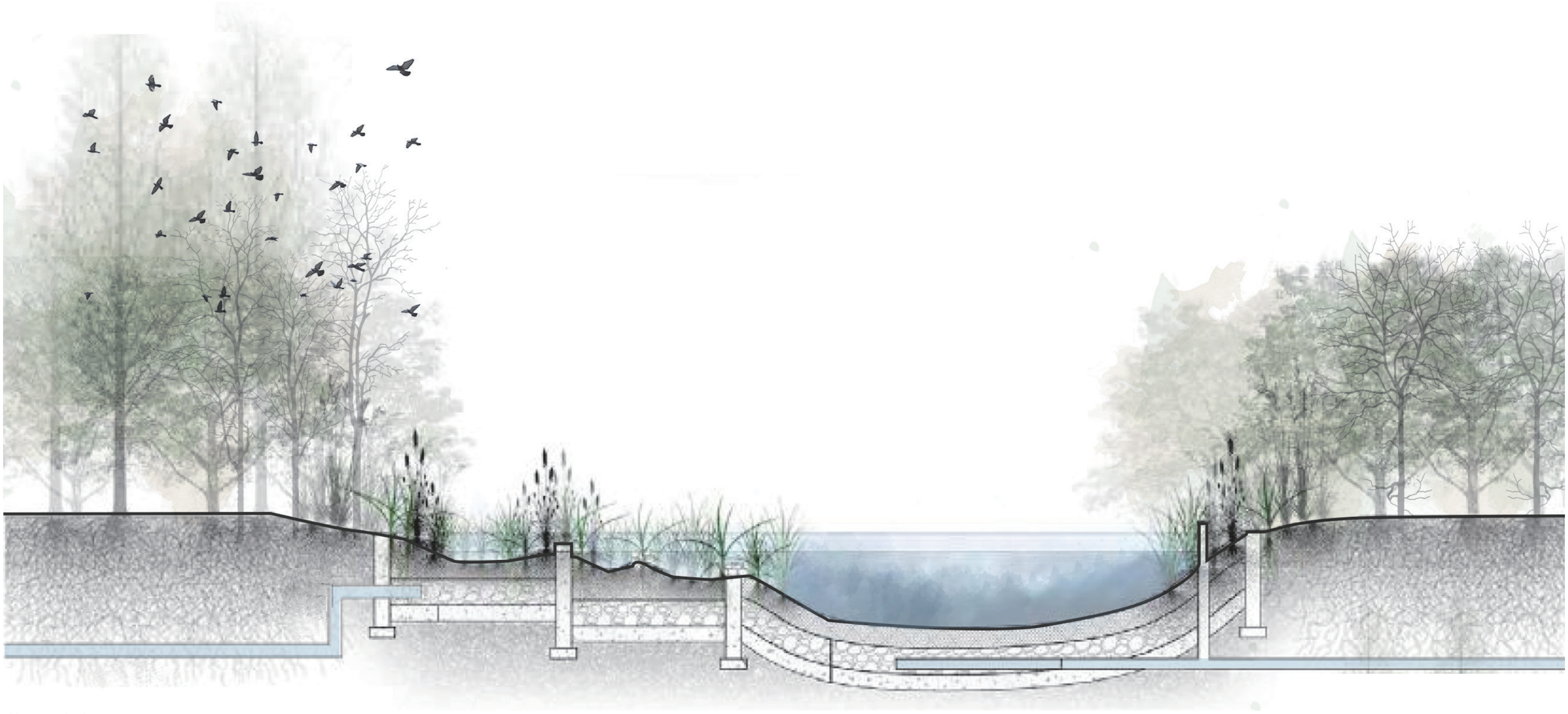




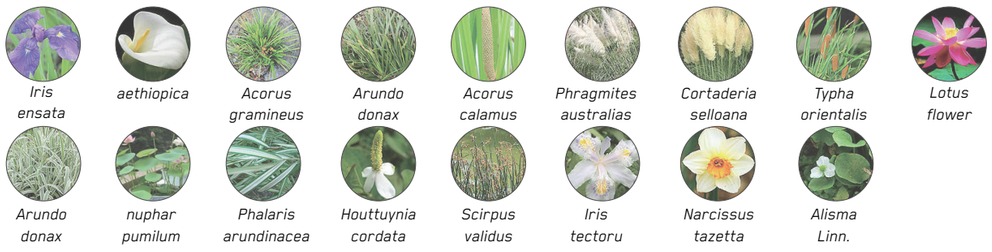





stormwater flow
into stream
stormwater run-off
collection
stromwater
be treated
stream flow into
major water way



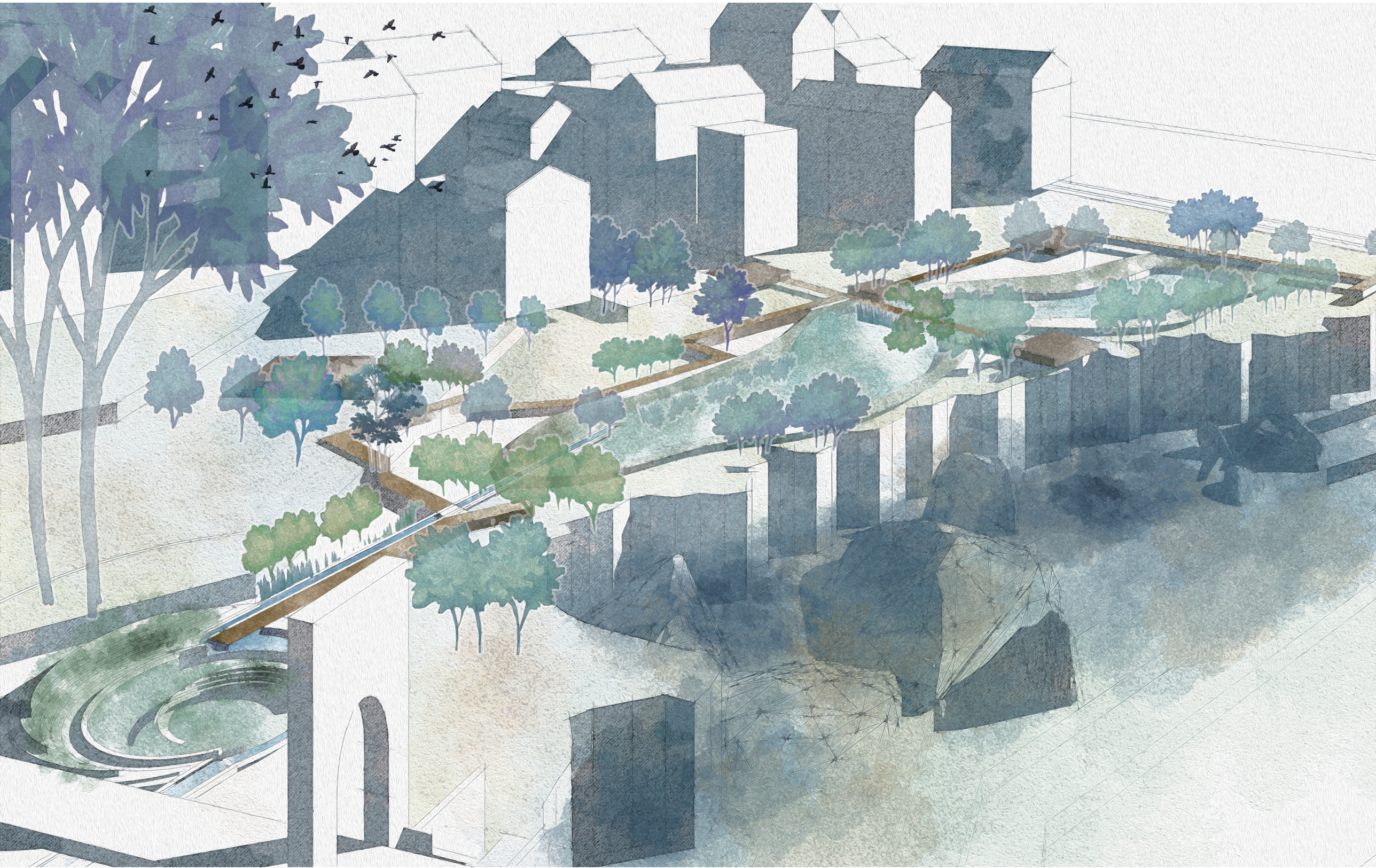
Hygrophyte



Aquatic plant

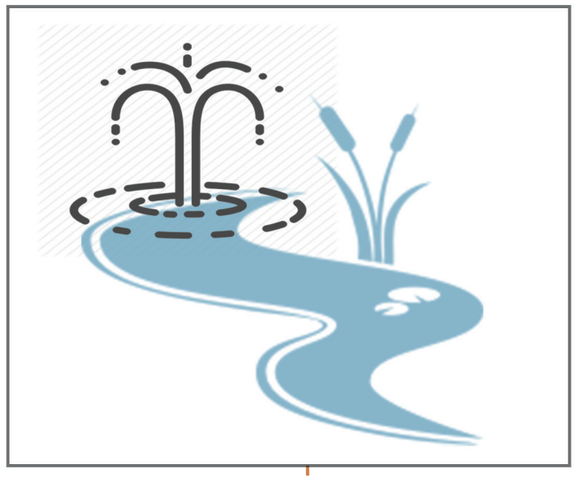
Moisture raw trees

Moisture shrubs

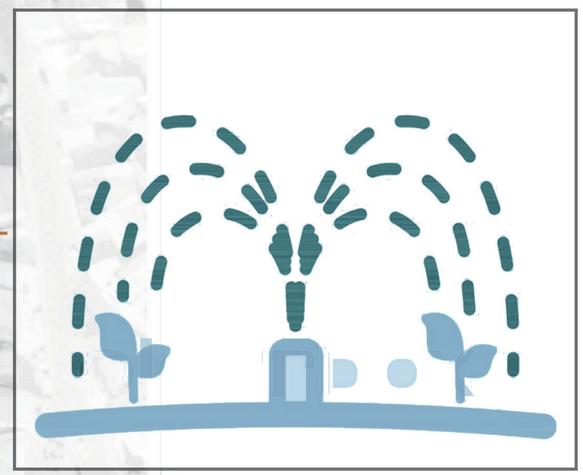


Enhance the atrributes of the carriers - River

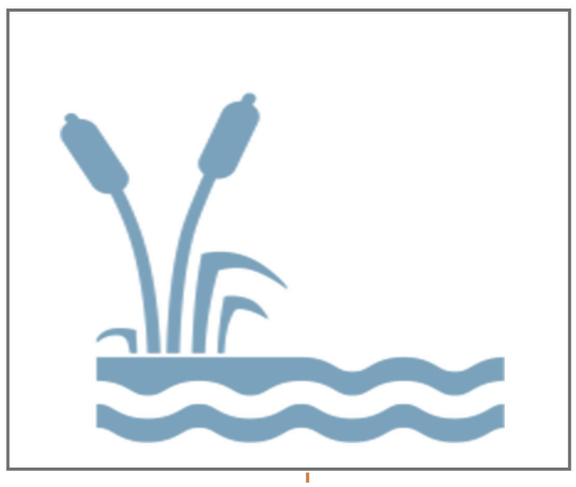
Purification



Recreation

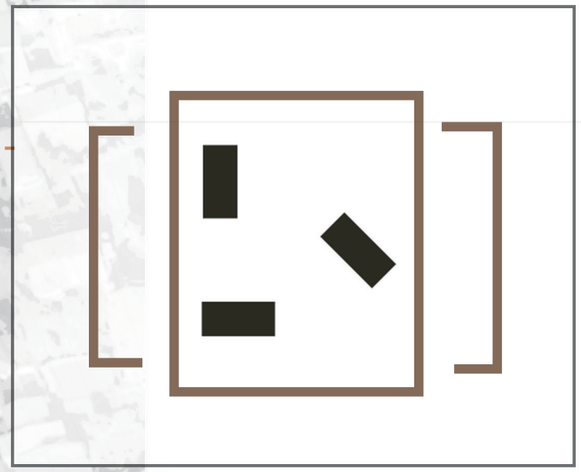


Irrigation

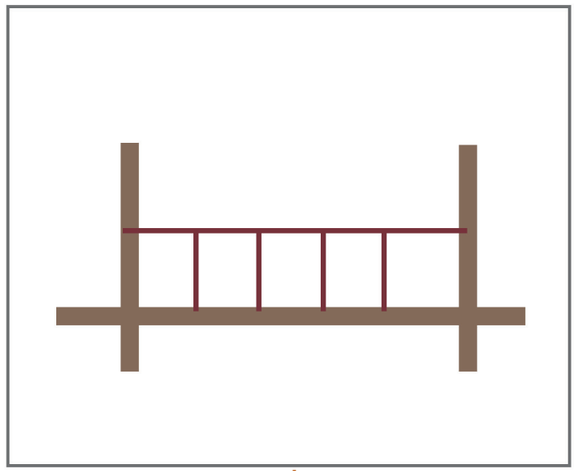


Buffer

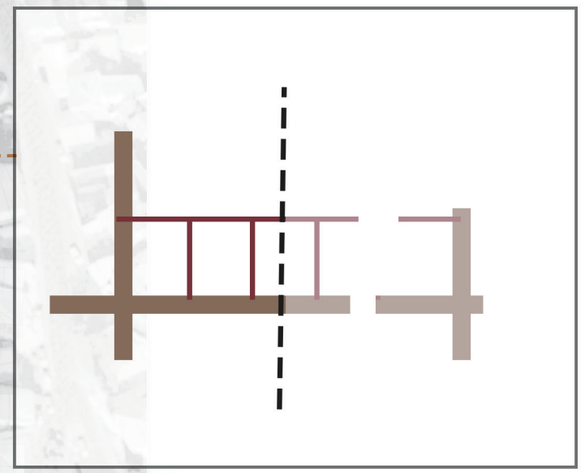
Enhance the atrributes of the carriers - Bridge



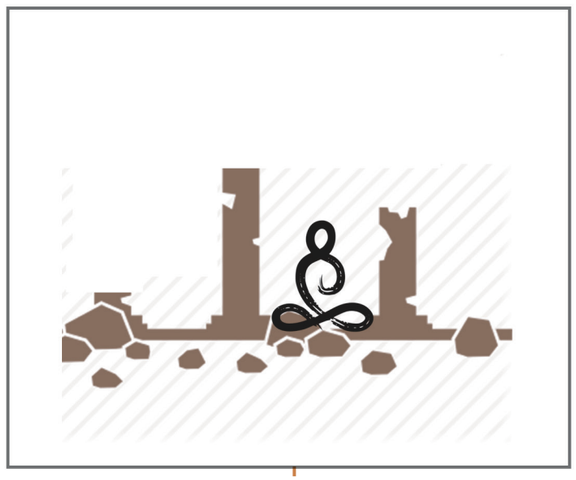
Frame and View



Connection

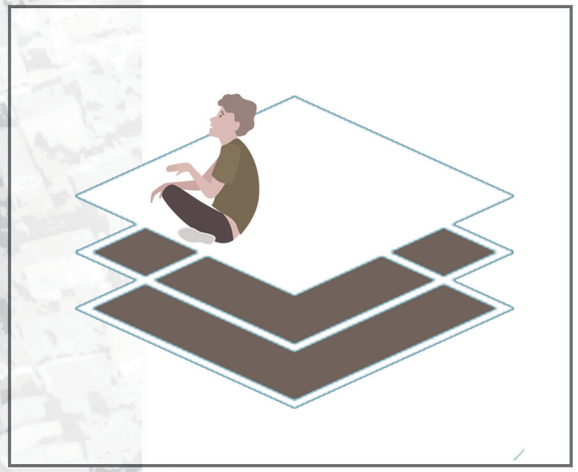


Contrast

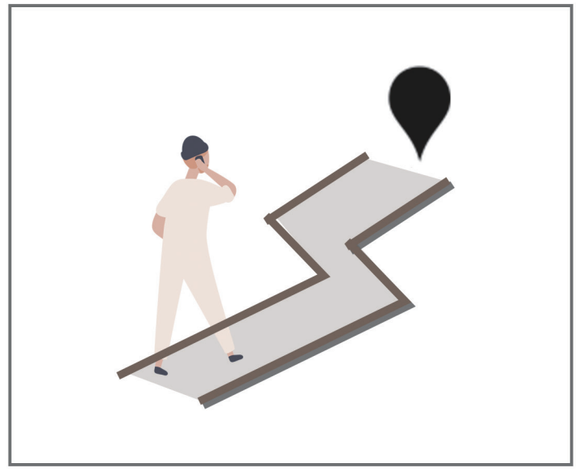


Meditation

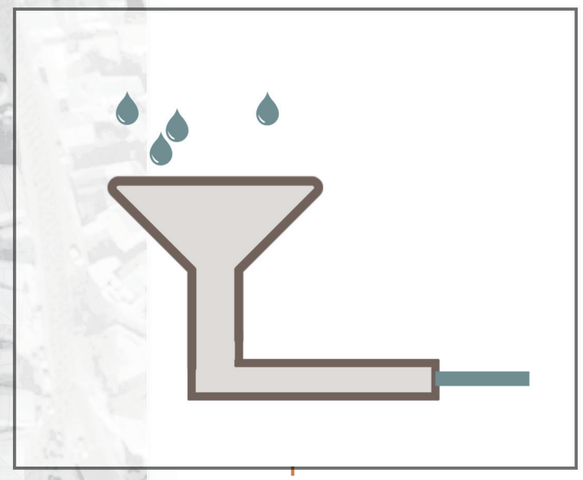
Enhance the atrributes of the carriers -Stone



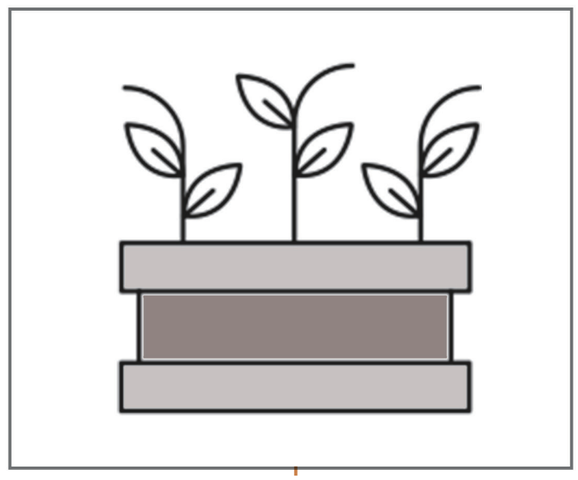
Platform



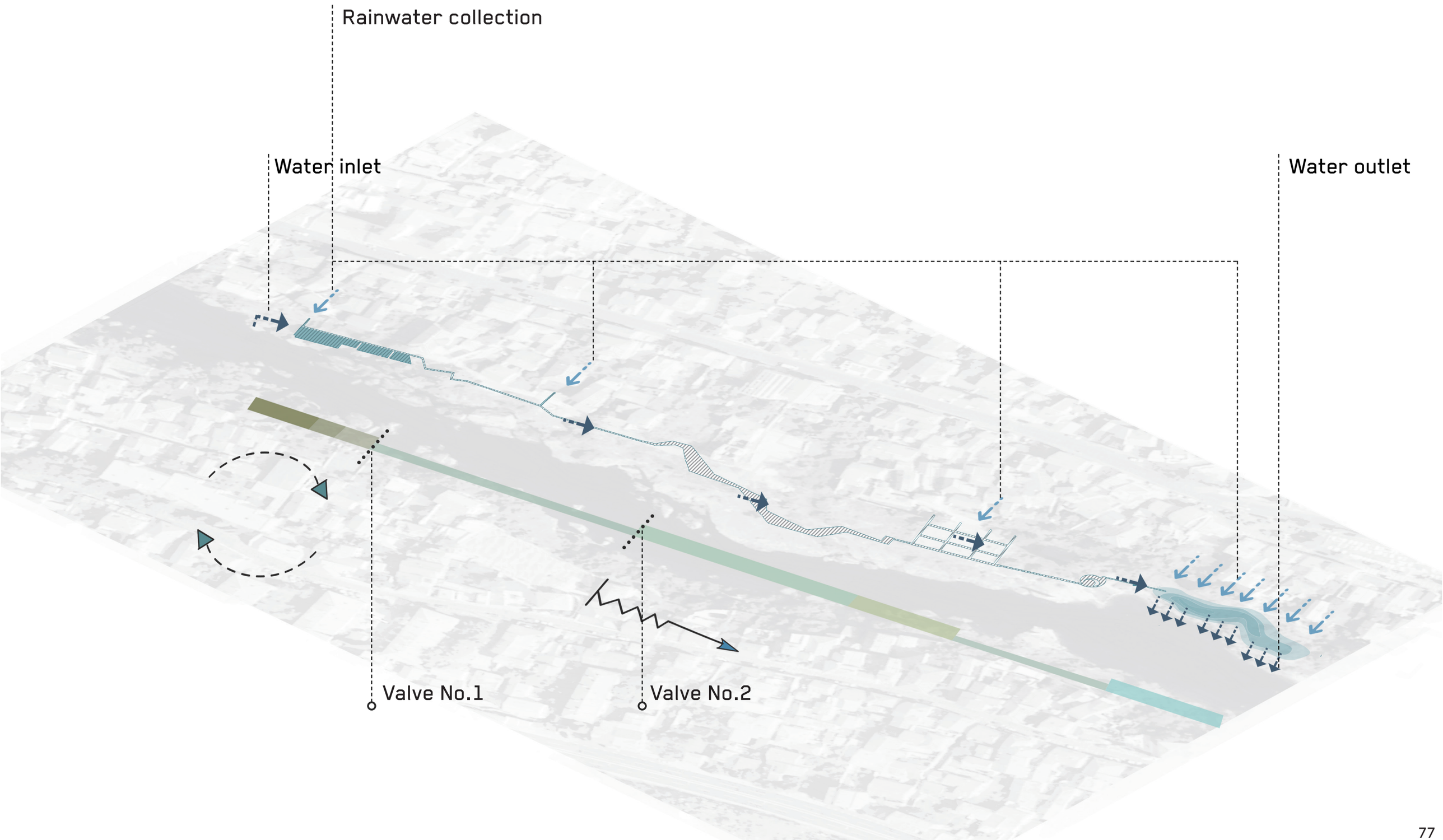
Path



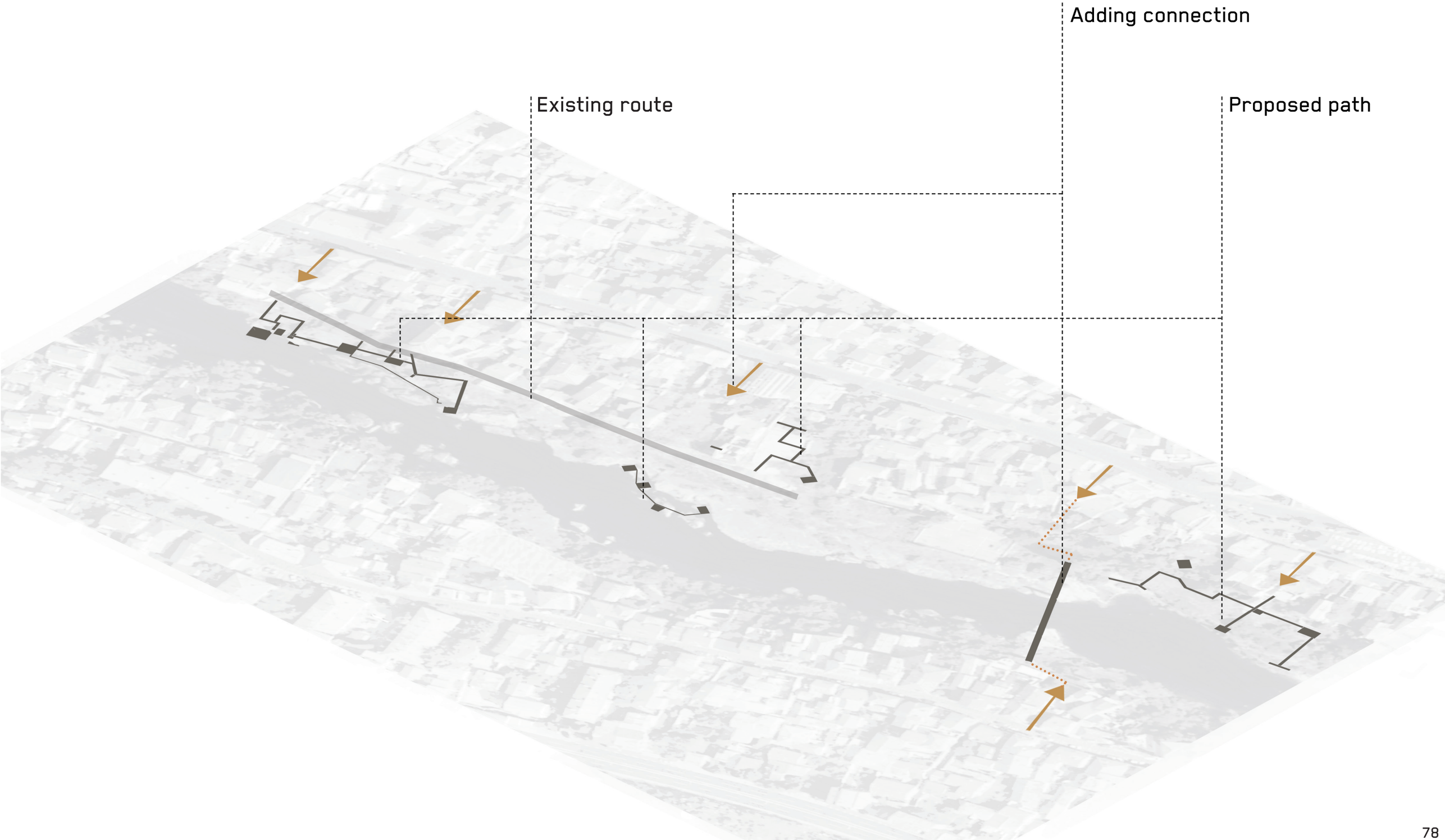
Filter



Planter


Rainwater collection
Water inlet
Water outlet
Valve No.1
Valve No.2

Enhance accessibility

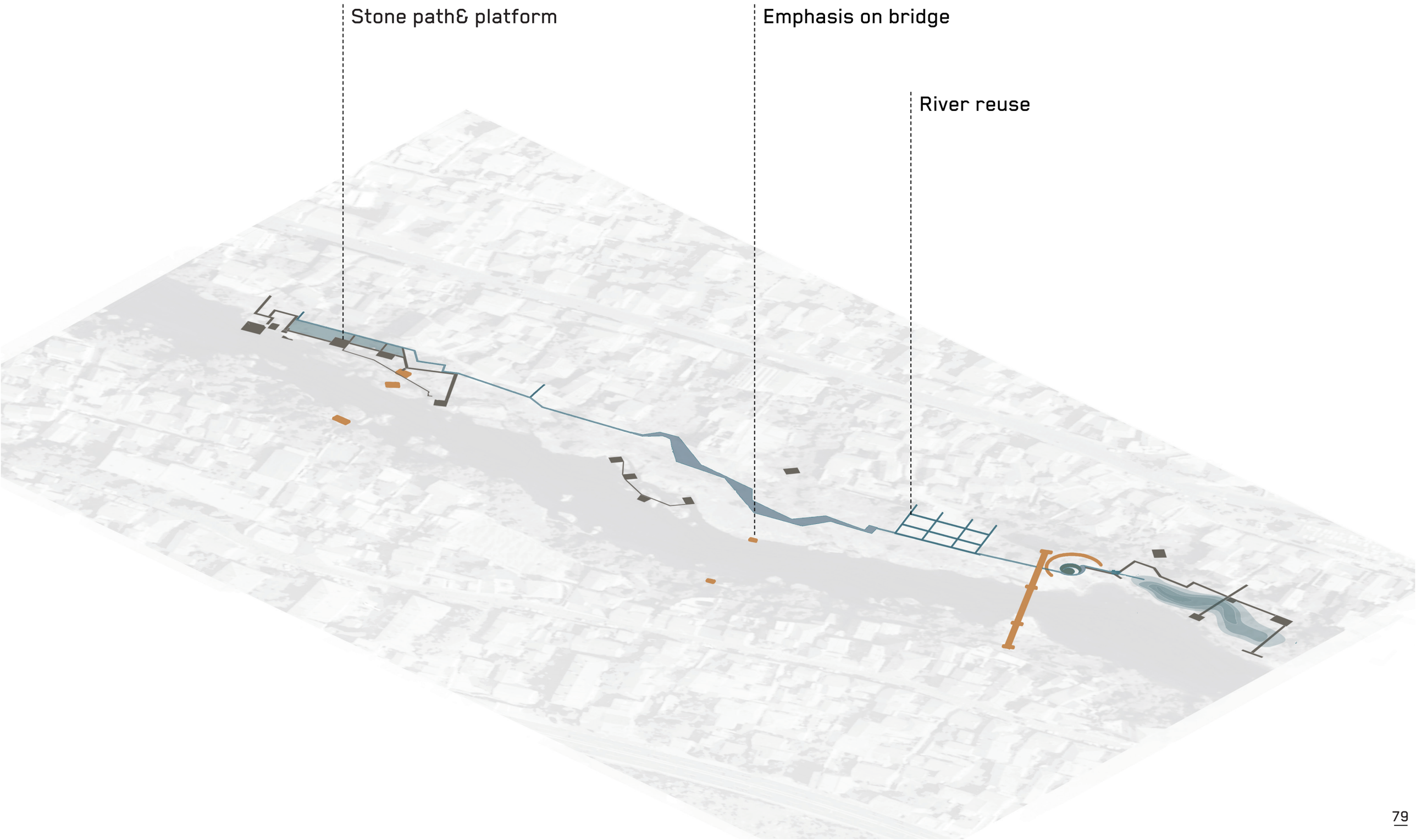


Re-activate the river edge

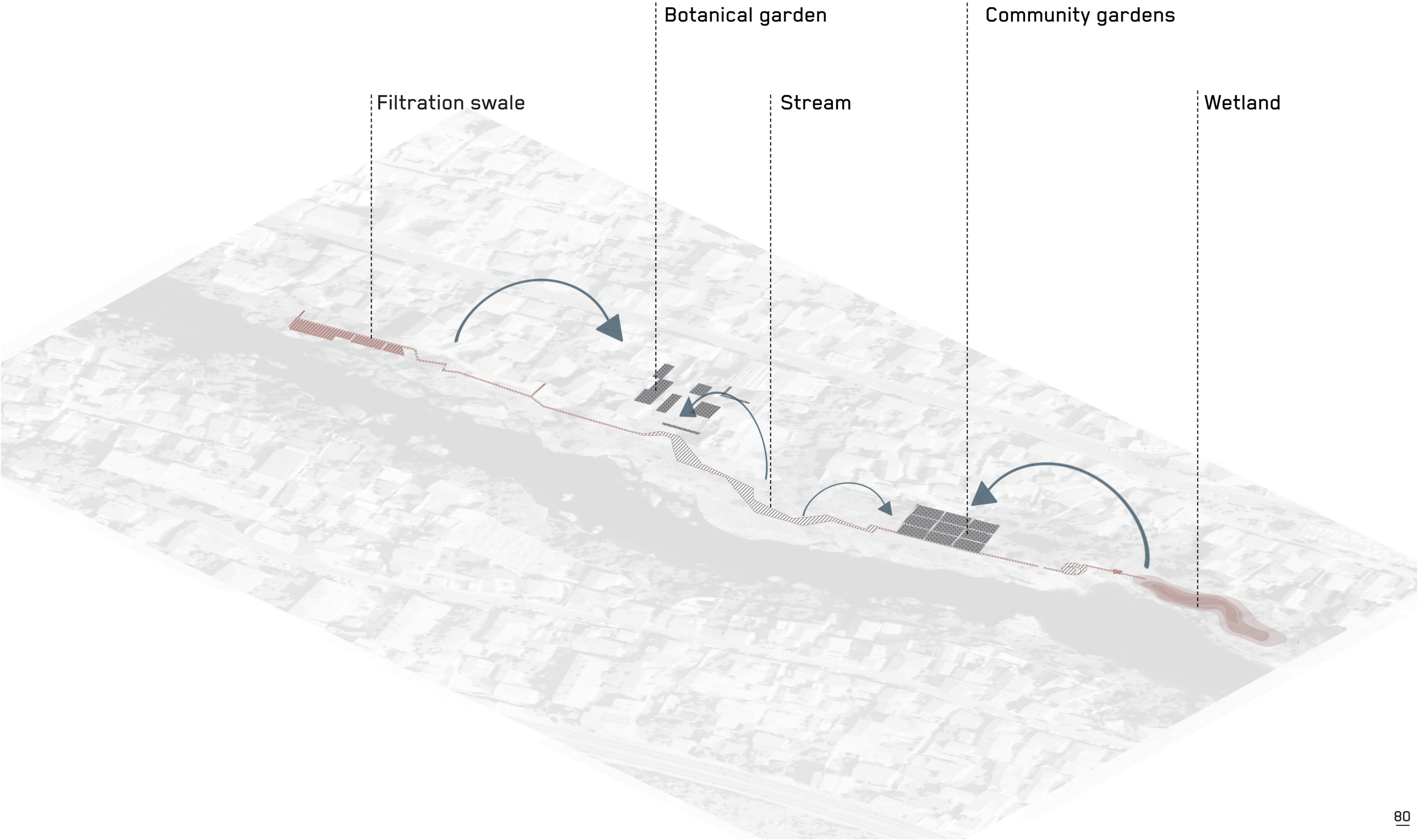
Stone path& platform

Emphasis on bridge

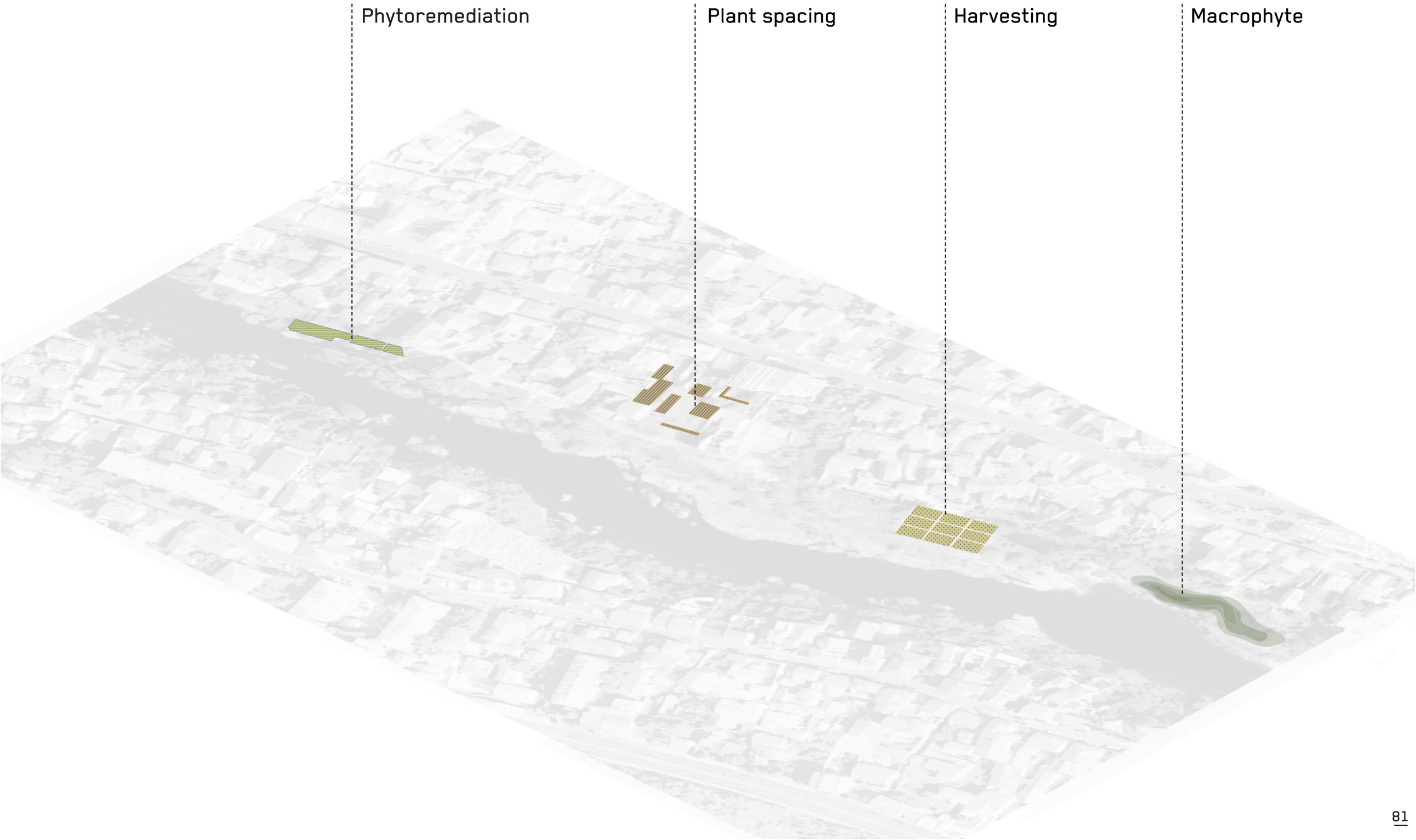
River reuse

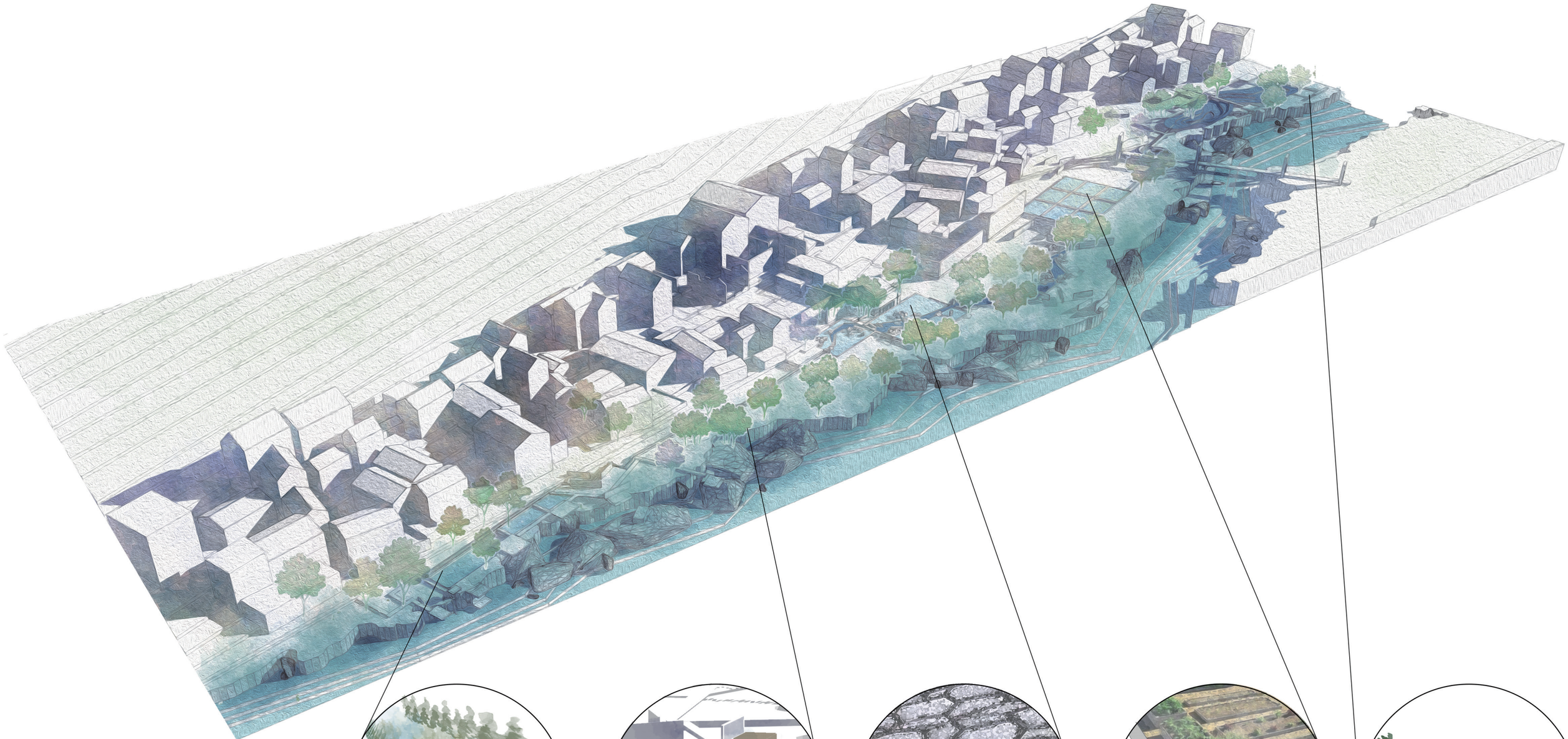


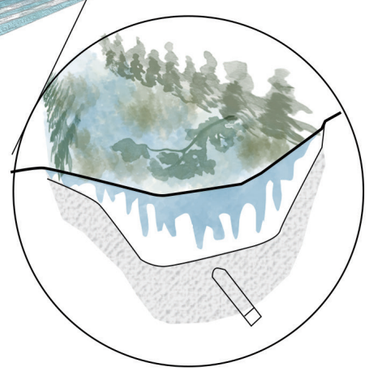
Cut and Fill


Botanical garden
Community gardens
Filtration swale
Stream
Wetland

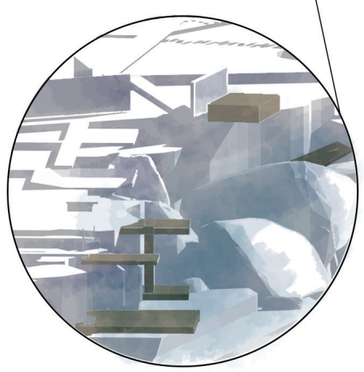
Introduce new vegetation patches



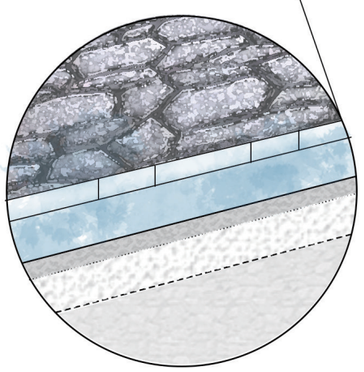




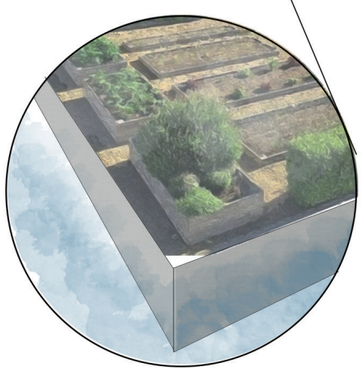
Infiltration



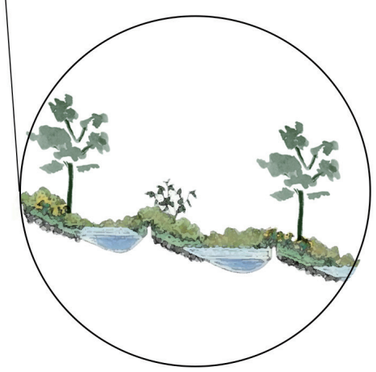
Interventions of varying heights



Pervious Paving

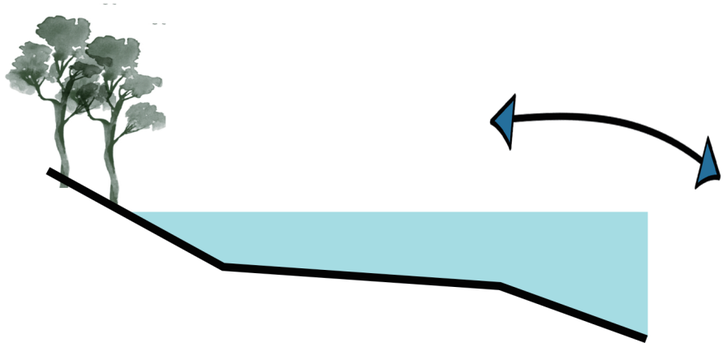


Community Garden

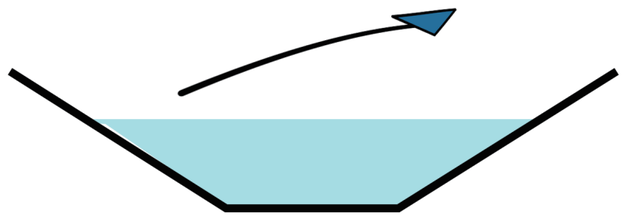


Wetland

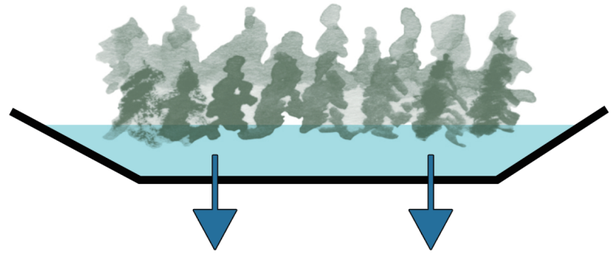
Buffer Zone



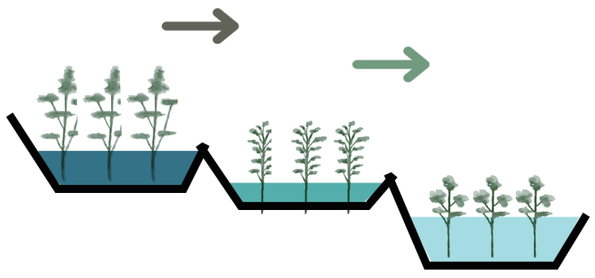
Retension



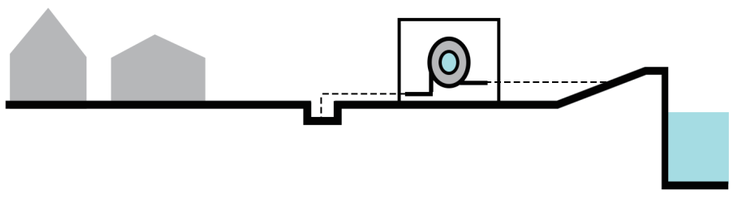
Infiltration



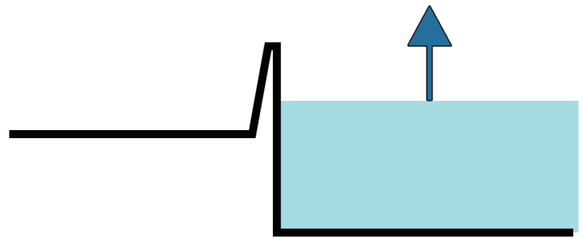
Detension

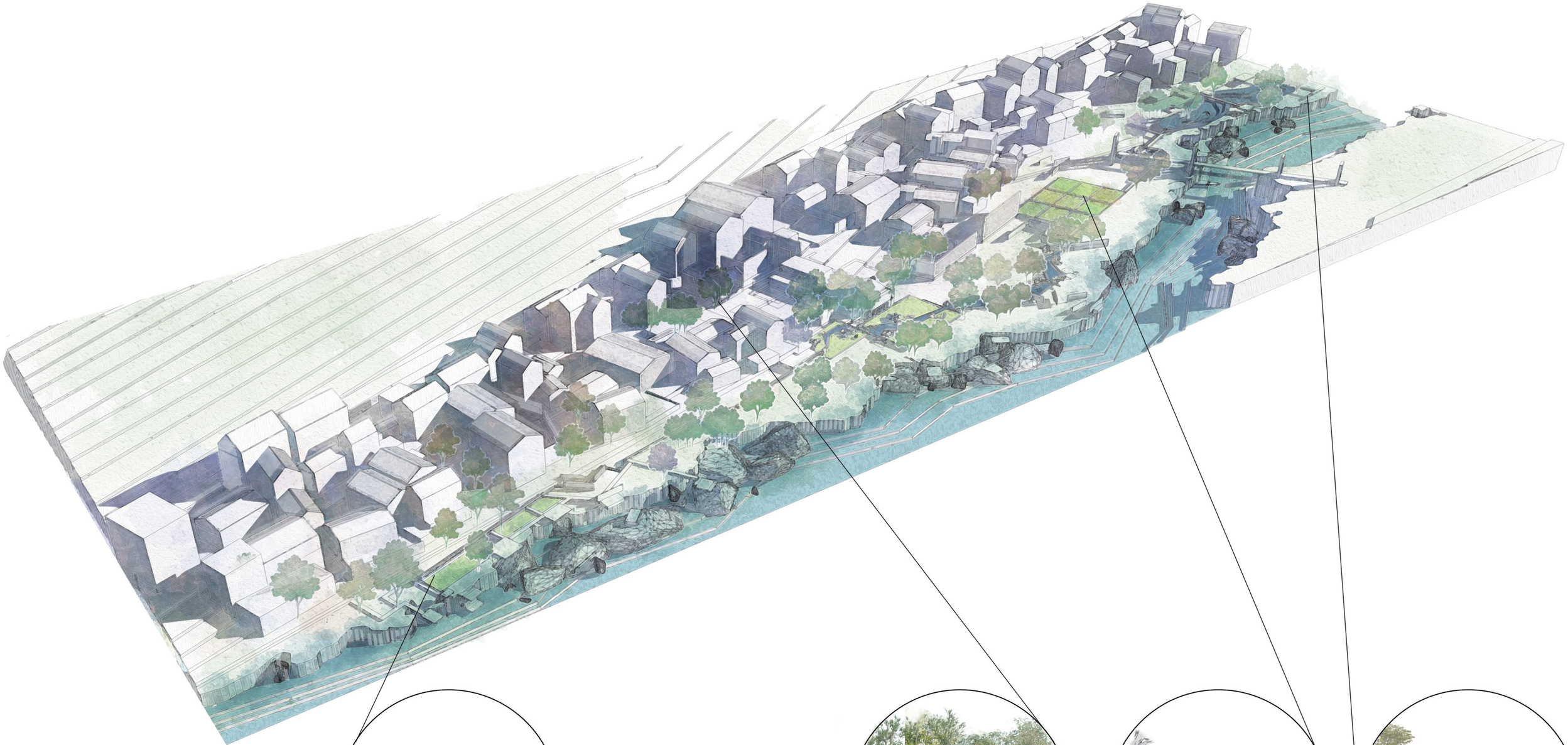


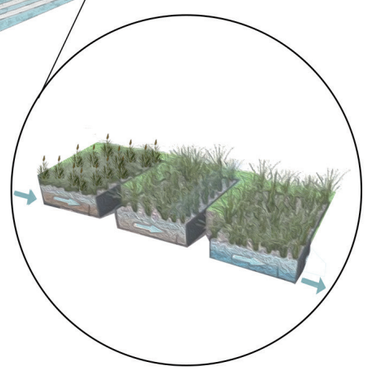
Valve



Flood Wall



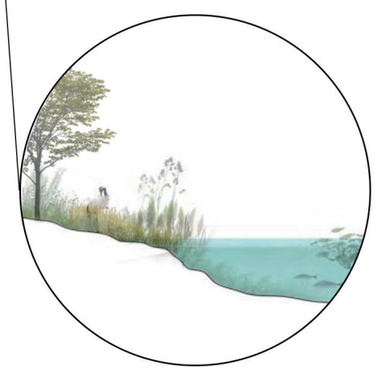




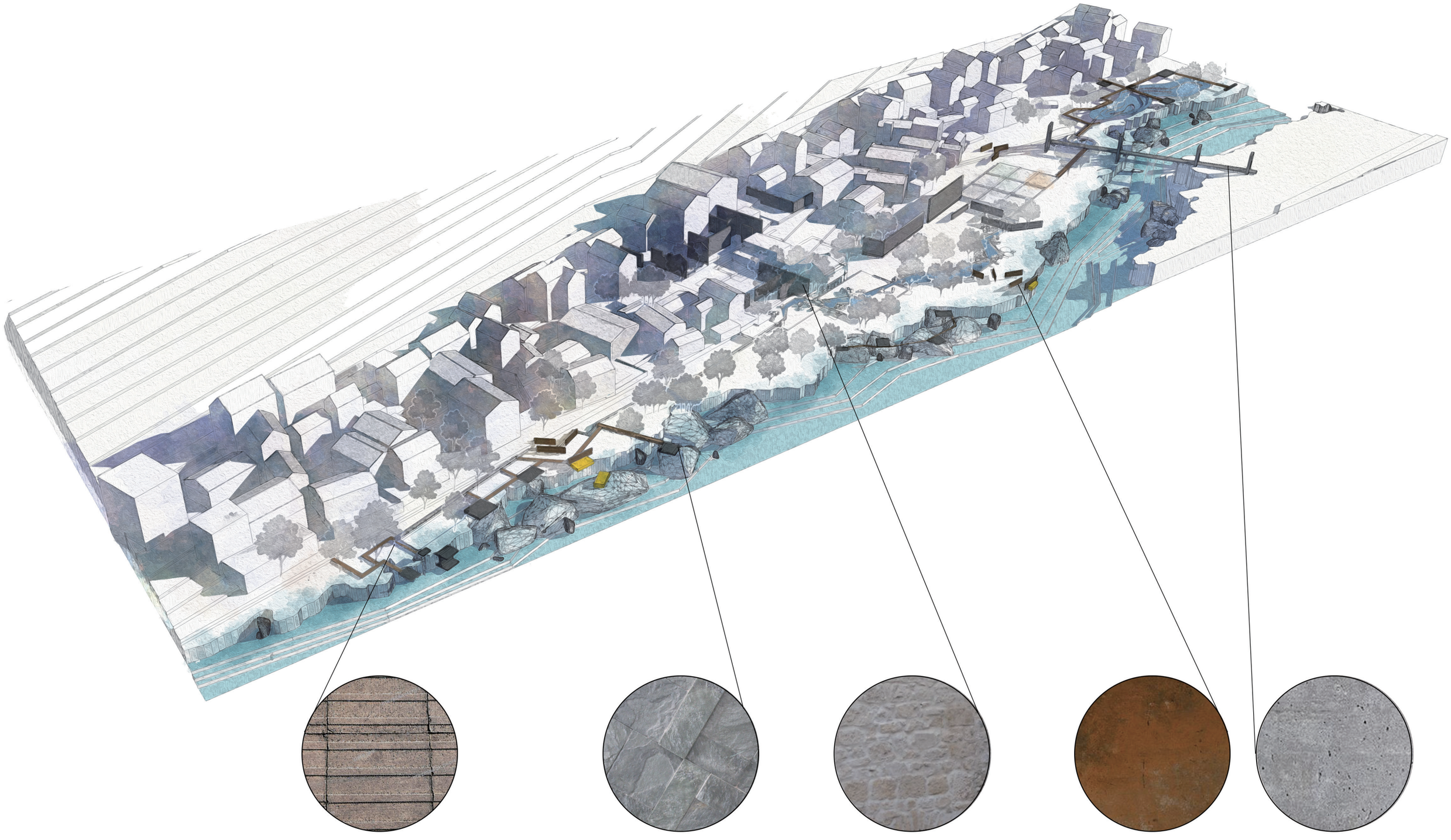
Infiltration

Ruin & Plant

Community Garden



Wetland



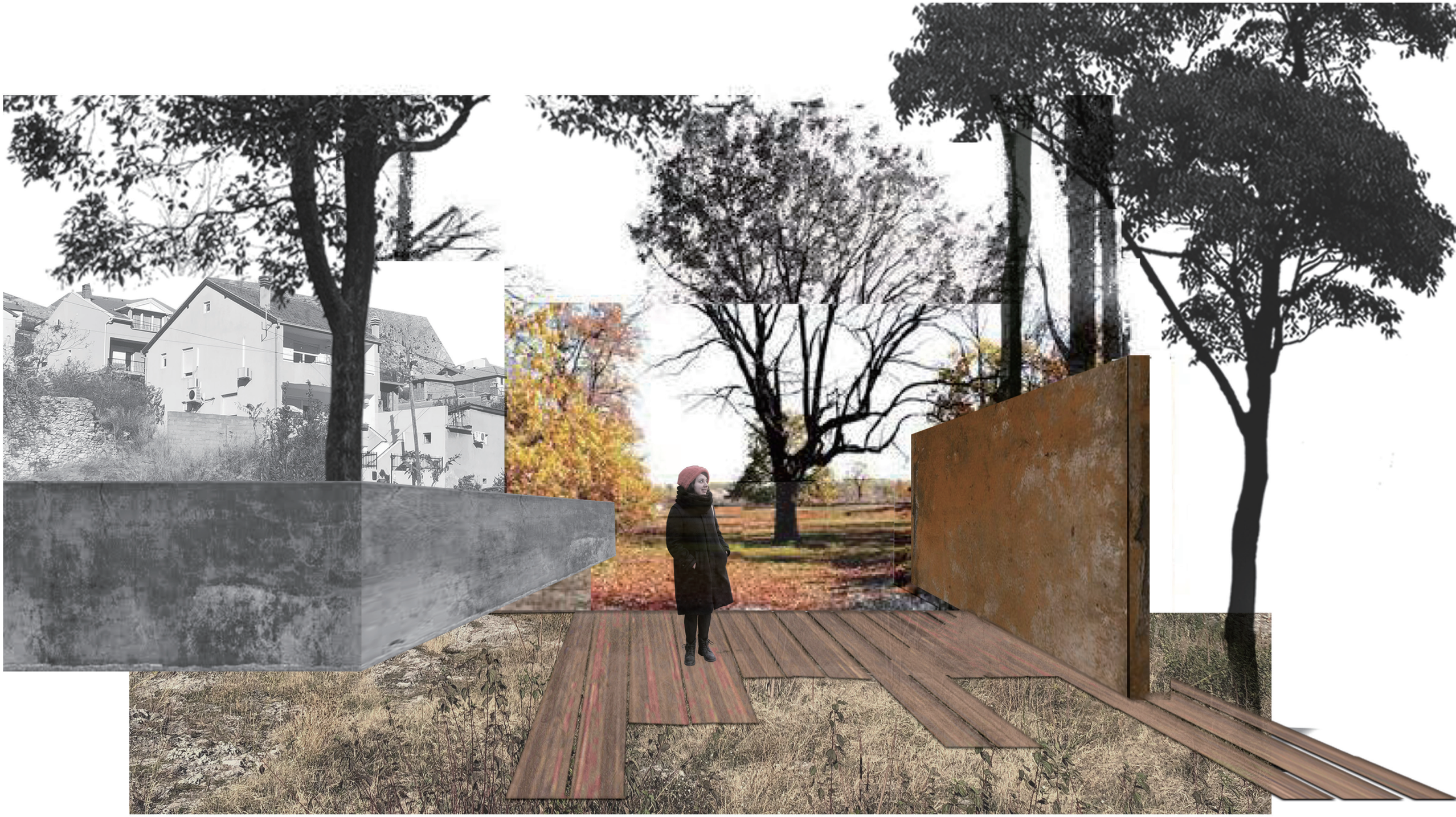
Tenelia

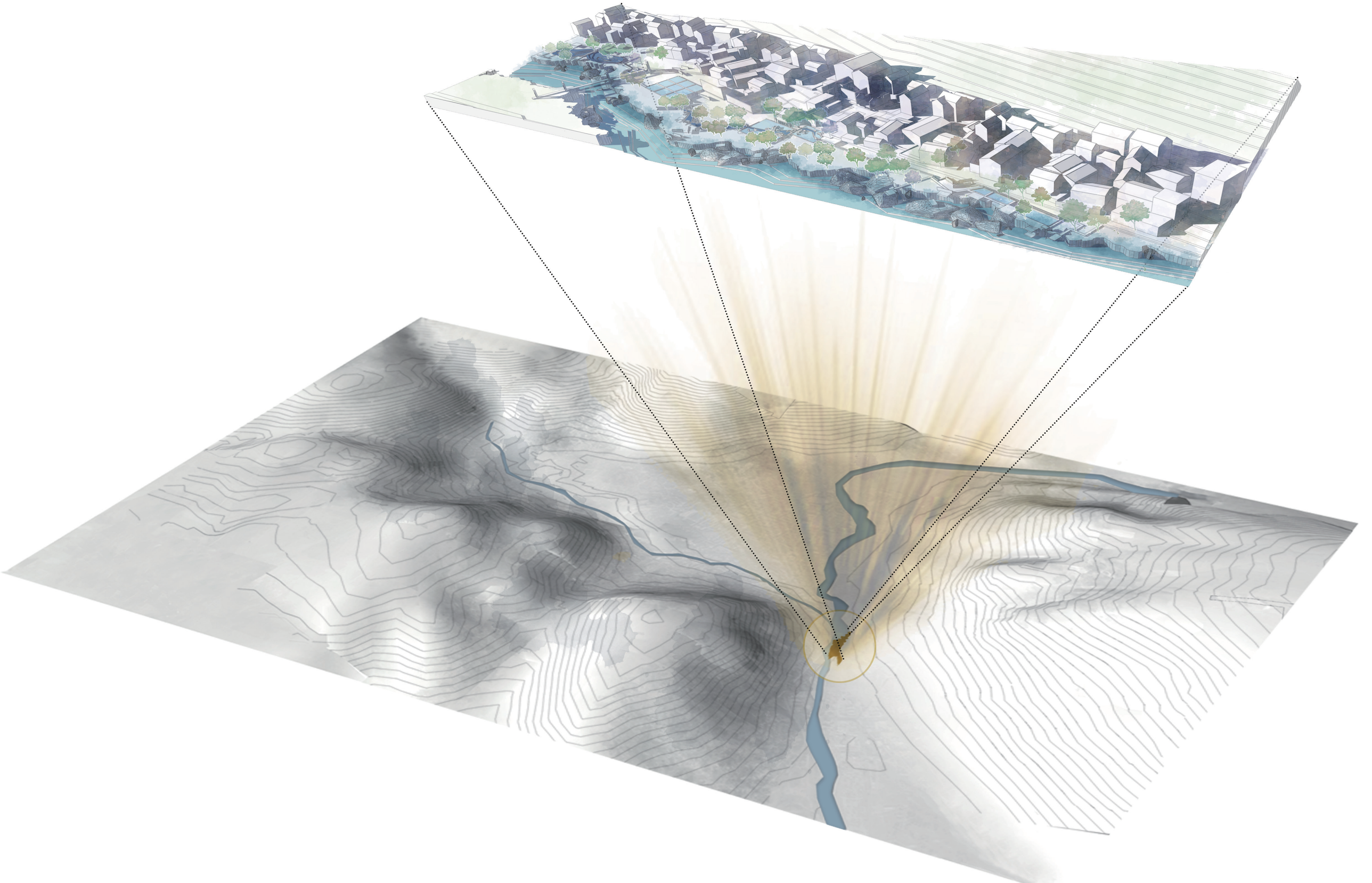
Concrete

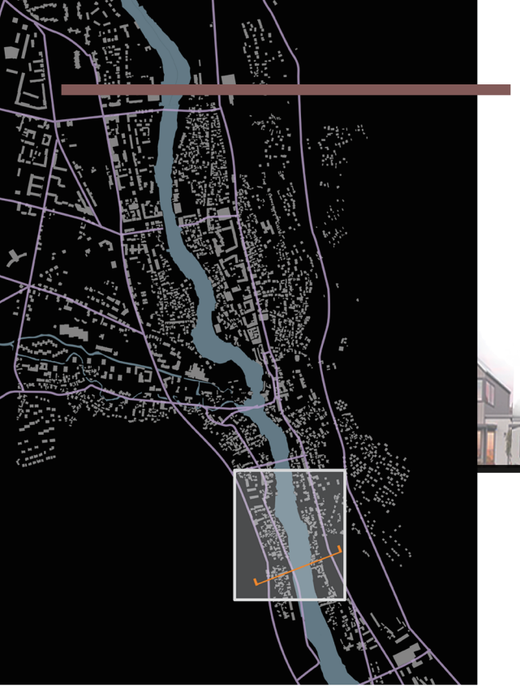
Kracnjak stone

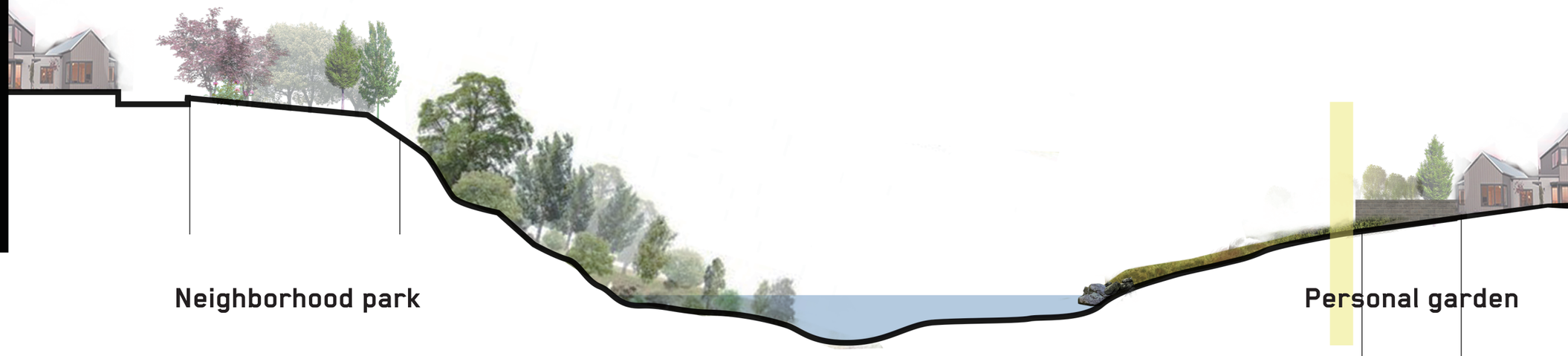
Copper

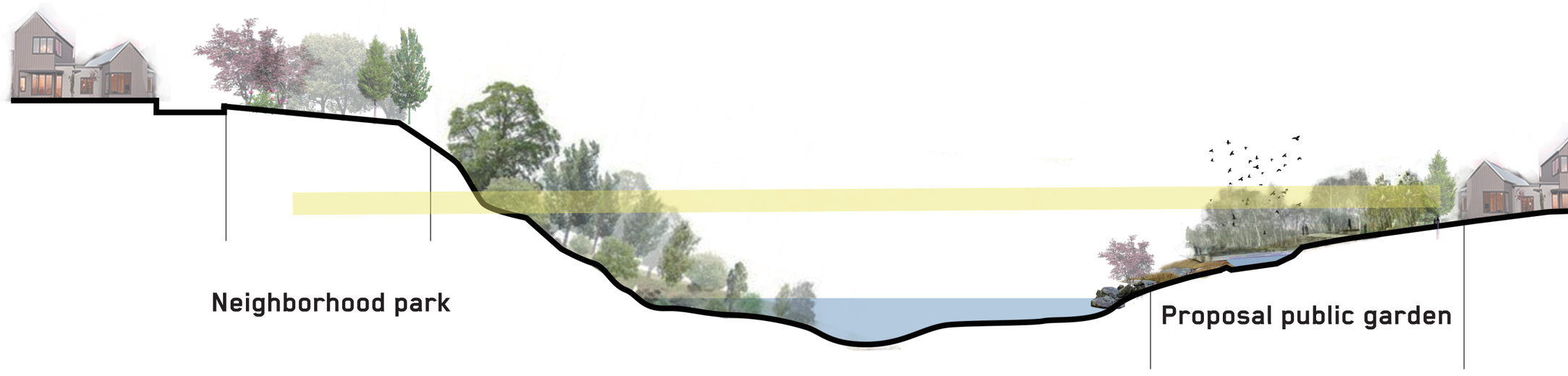
Plaster








Neighborhood park
Personal garden


Neighborhood park
Proposal public garden

HIGHWAY

BOULEVARD

PRIMARY STREET

SECONDARY STREET

ACCESSABLE PATH

BRIDGE

SITE

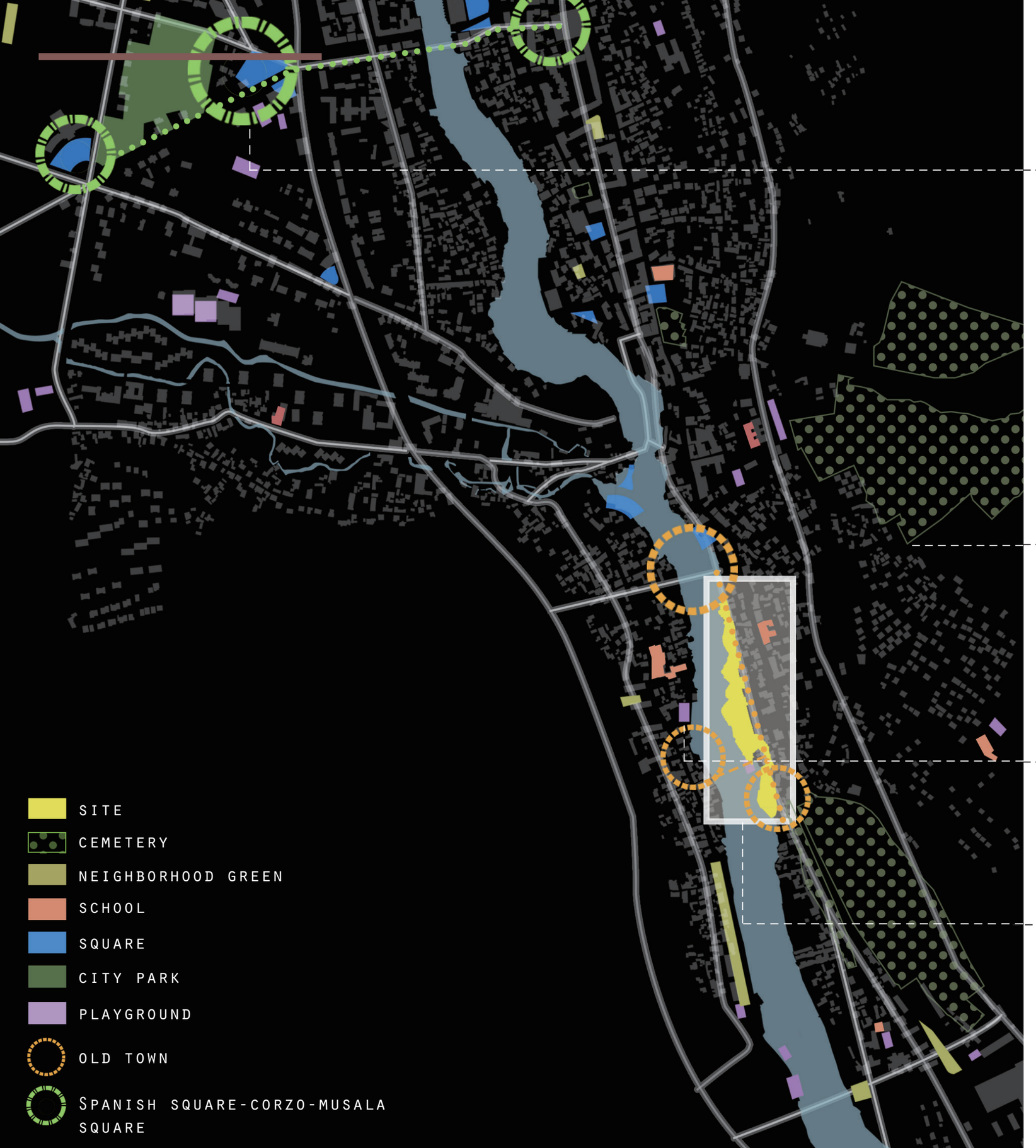
CITY PARK

SQUARE

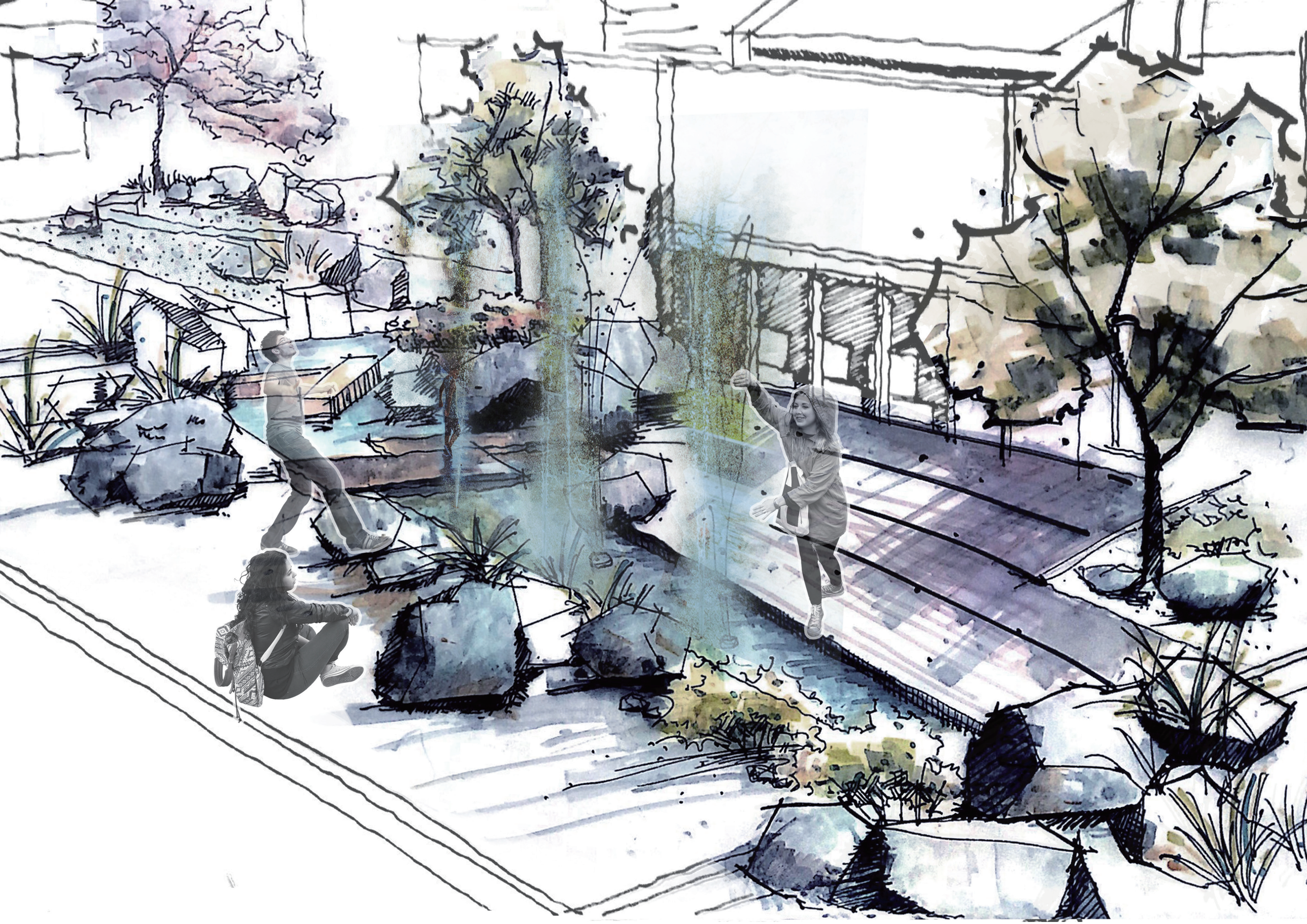
NEIGHBORHOOD GREEN

WOOD

SITE
MUSLIM
ORTHODOX
CATHOLIC
MIXED
BOSNIAN
CROATIAN
EXTERNAL NATIONALITY
UNIFICATION


SITE
CEMETERY
NEIGHBORHOOD GREEN
SCHOOL
SQUARE
CITY PARK
PLAYGROUND
OLD TOWN
Spanish square-corzo-musala square

Source: www.cidom.com



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Source: www.cidom.com

Source: www.cidom.com

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Source: www.cidom.com