

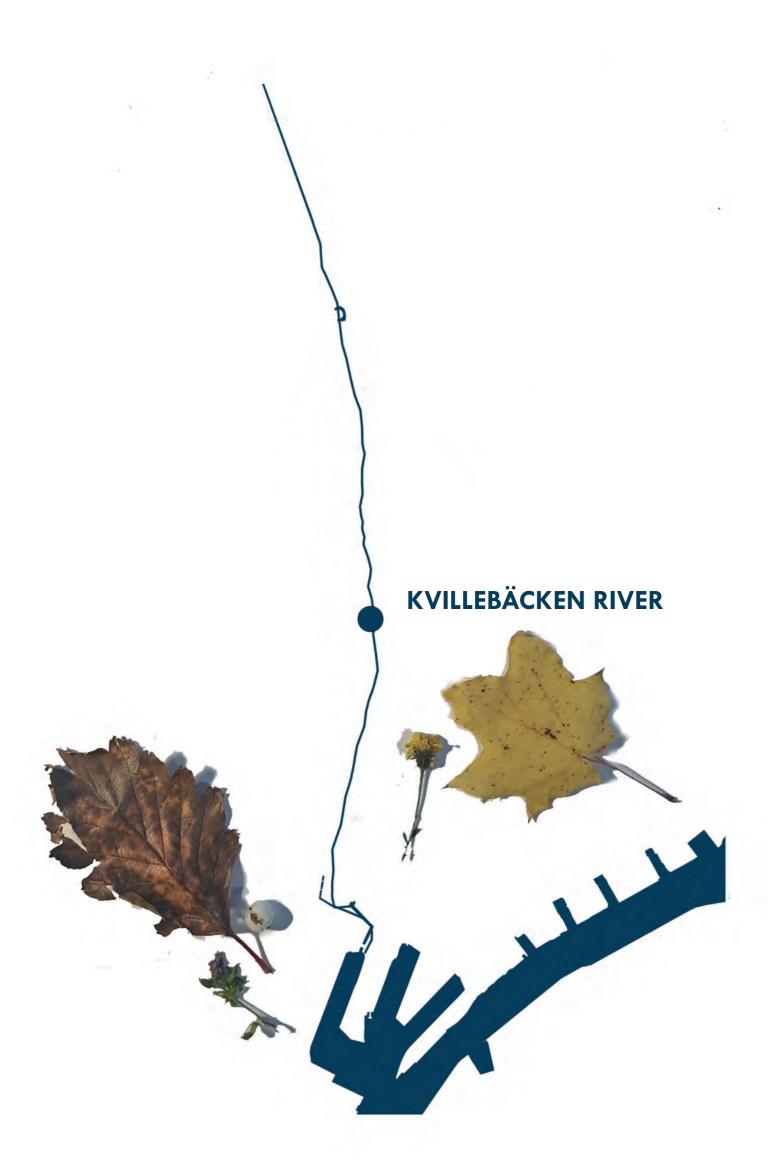
#### "KVILLEBÄCKEN RIVER THROUGH PLANTS" VEGETATION RECOLECTED IN SITE VISIT

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#### KVILLEBÄCKEN RIVER

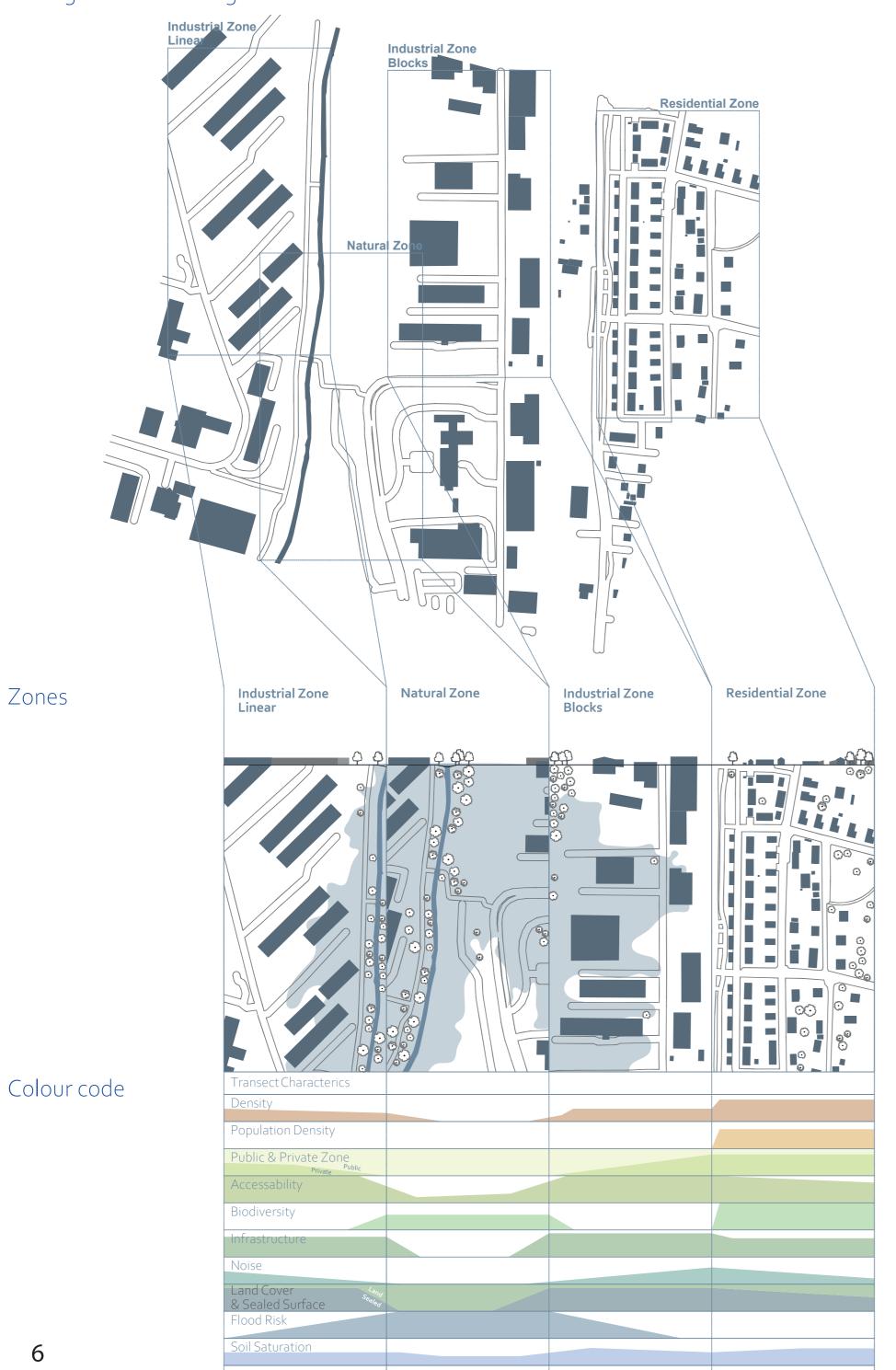
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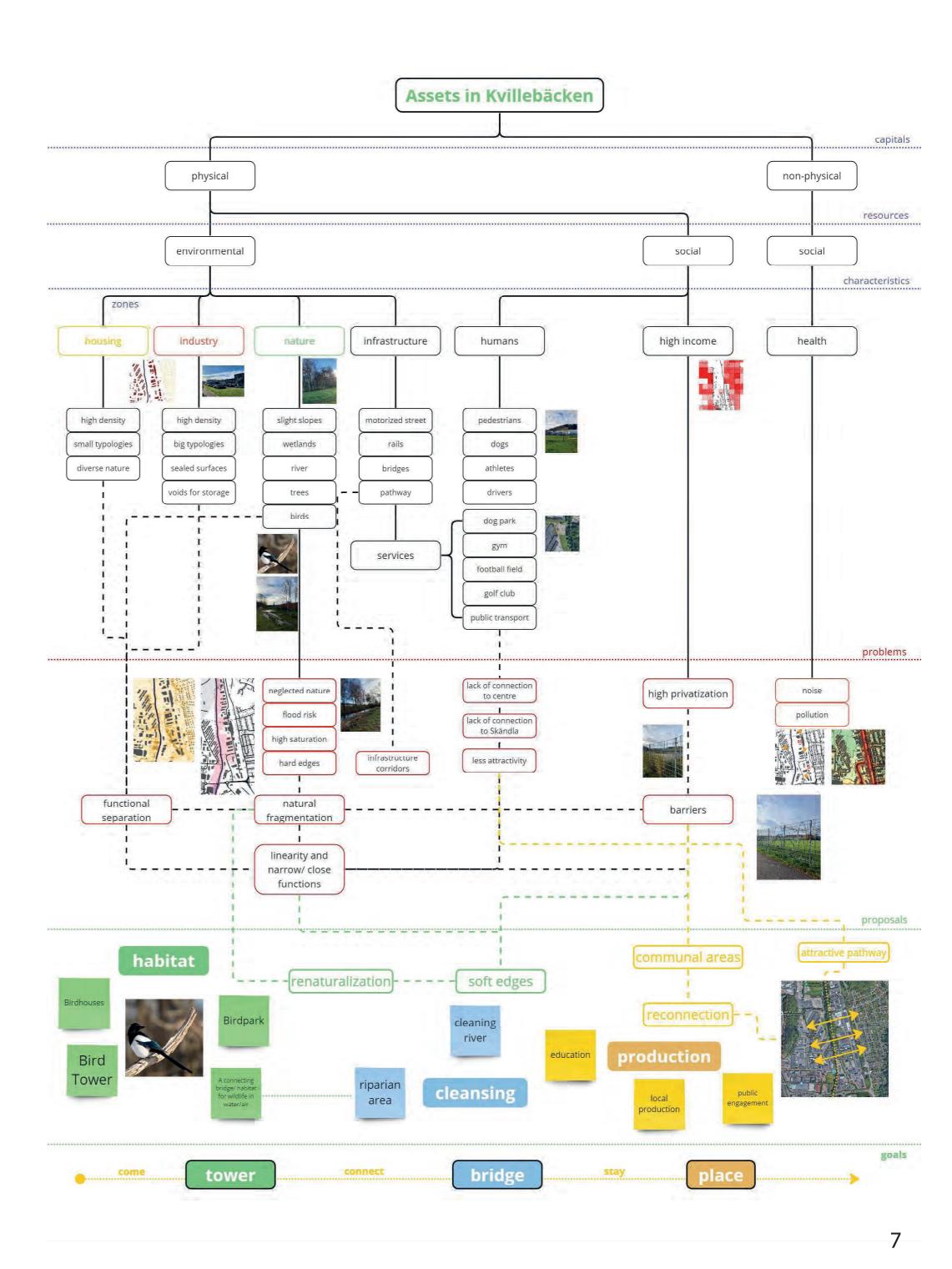
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Exercise 1.2: River valley transect
Karla Patricia Olvera Covarrubias, Karolin Savitri Klein, Tove Matsson

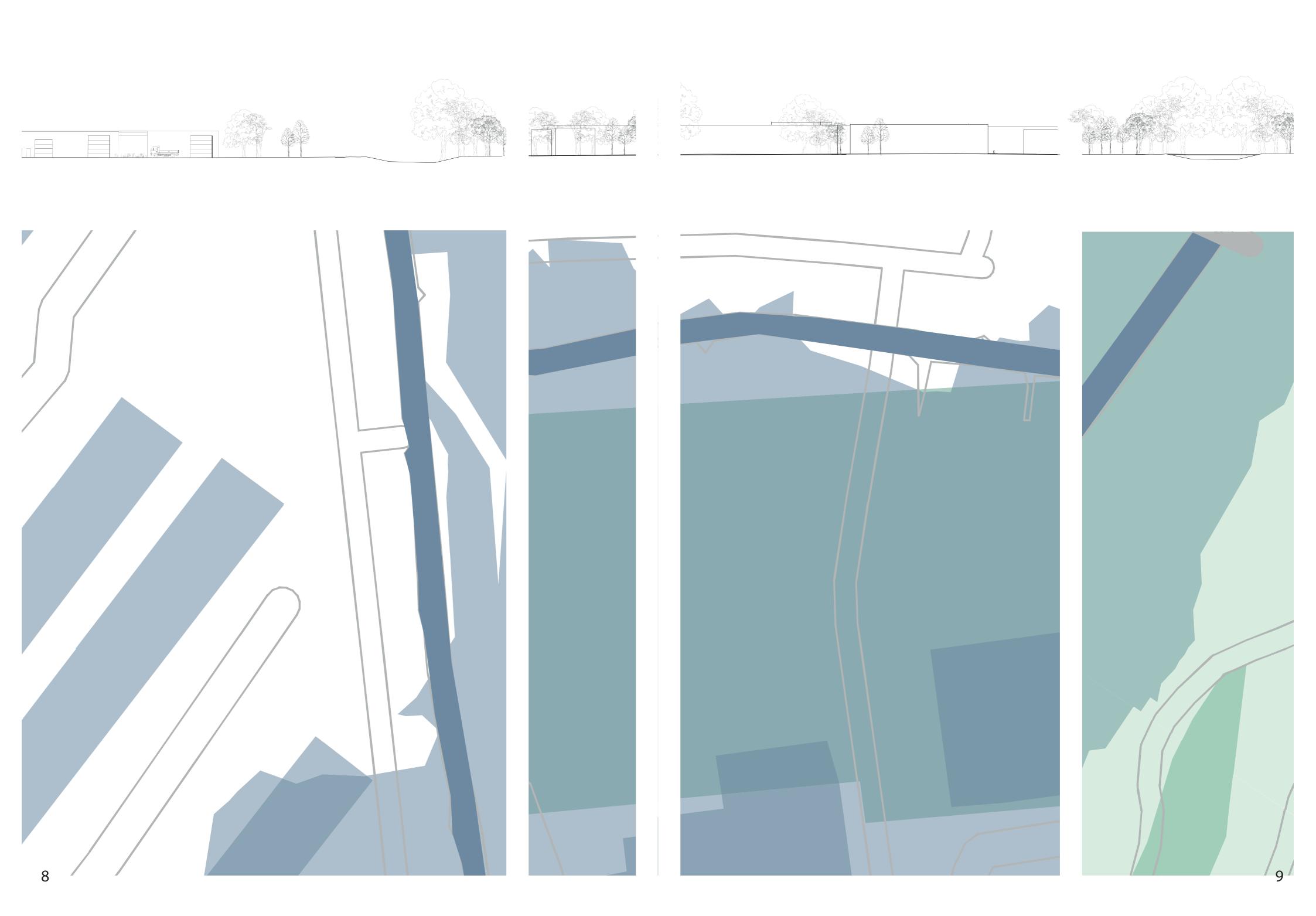




#### Zoning & Colour coding









and residential zone

- Fences of industry and railways are framing the riparian area

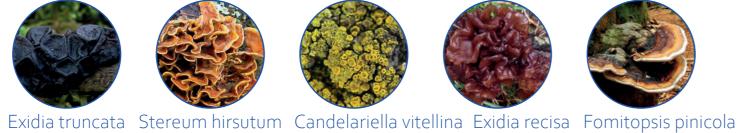
















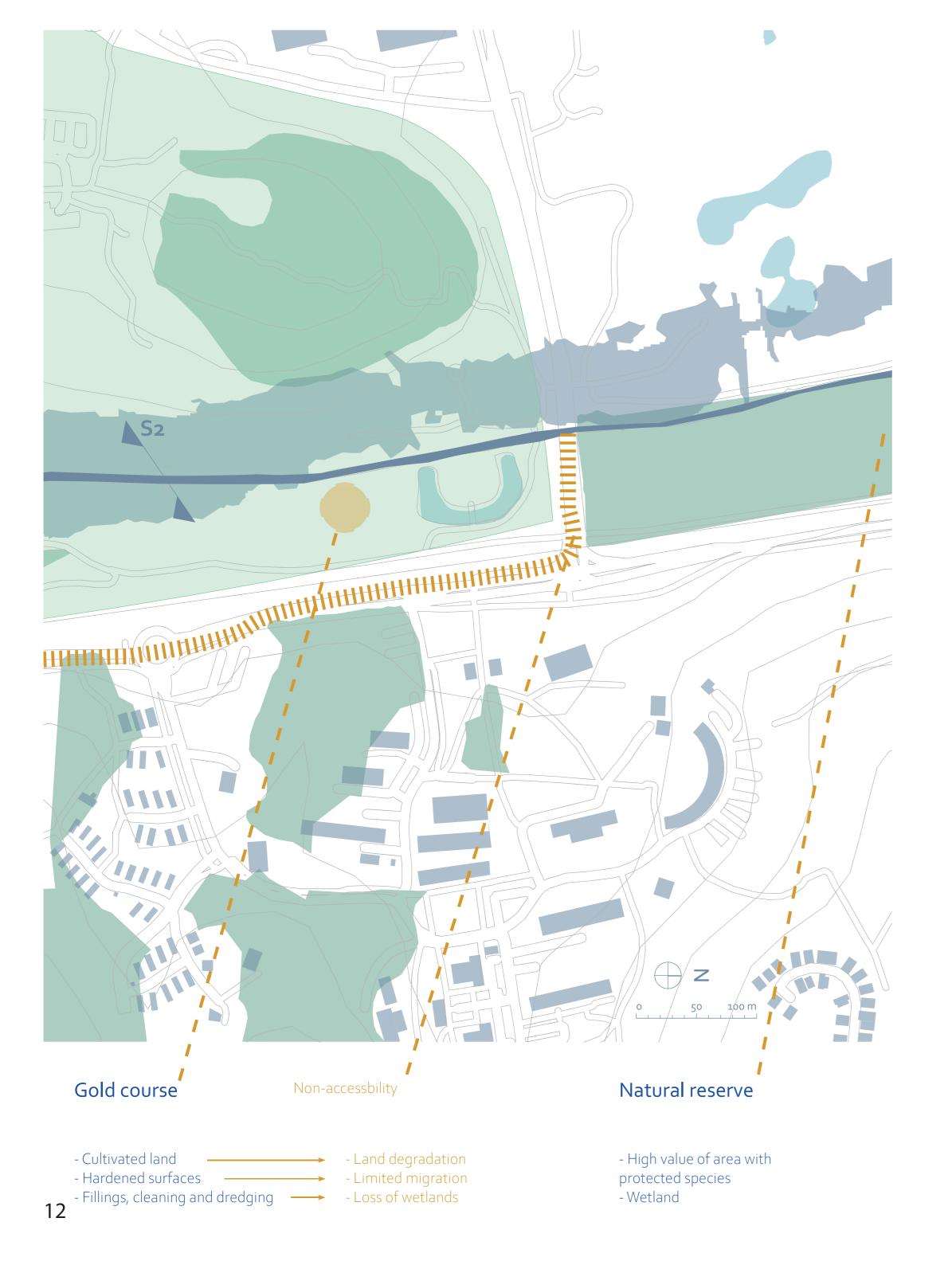


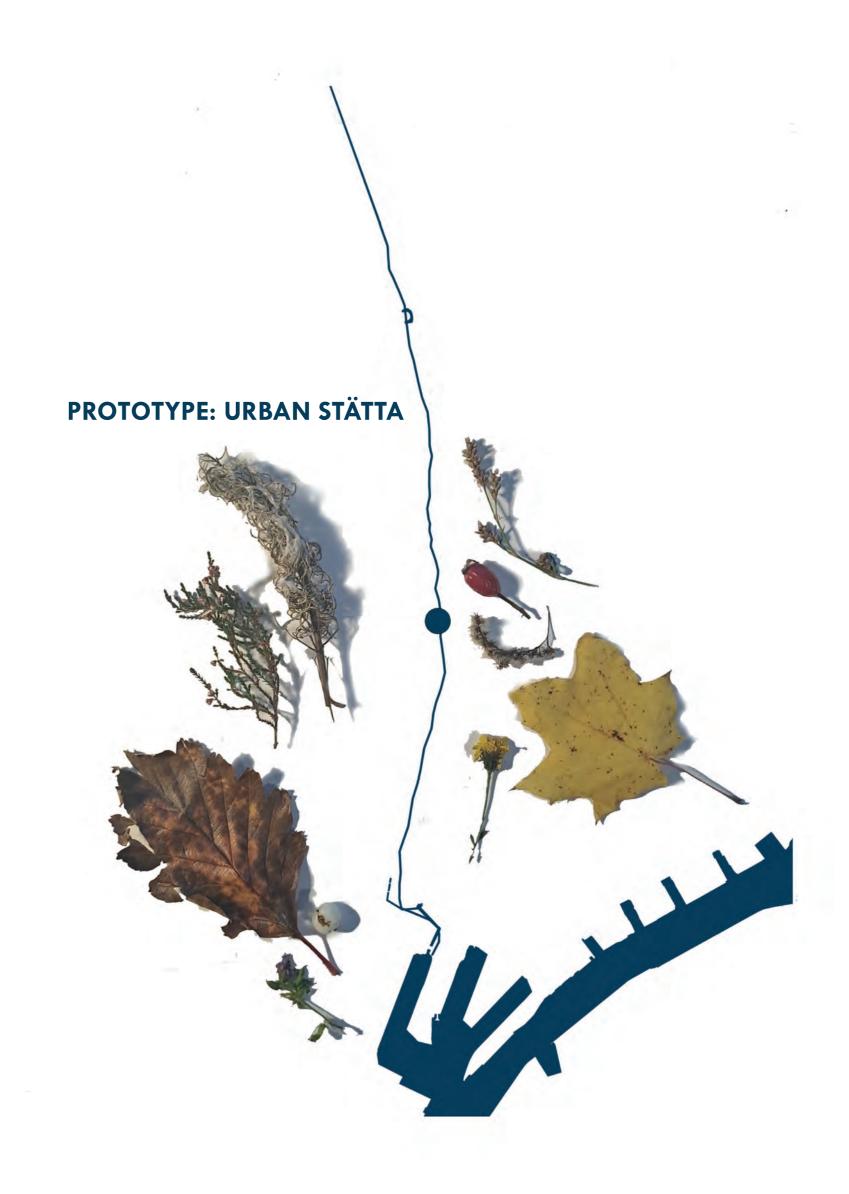




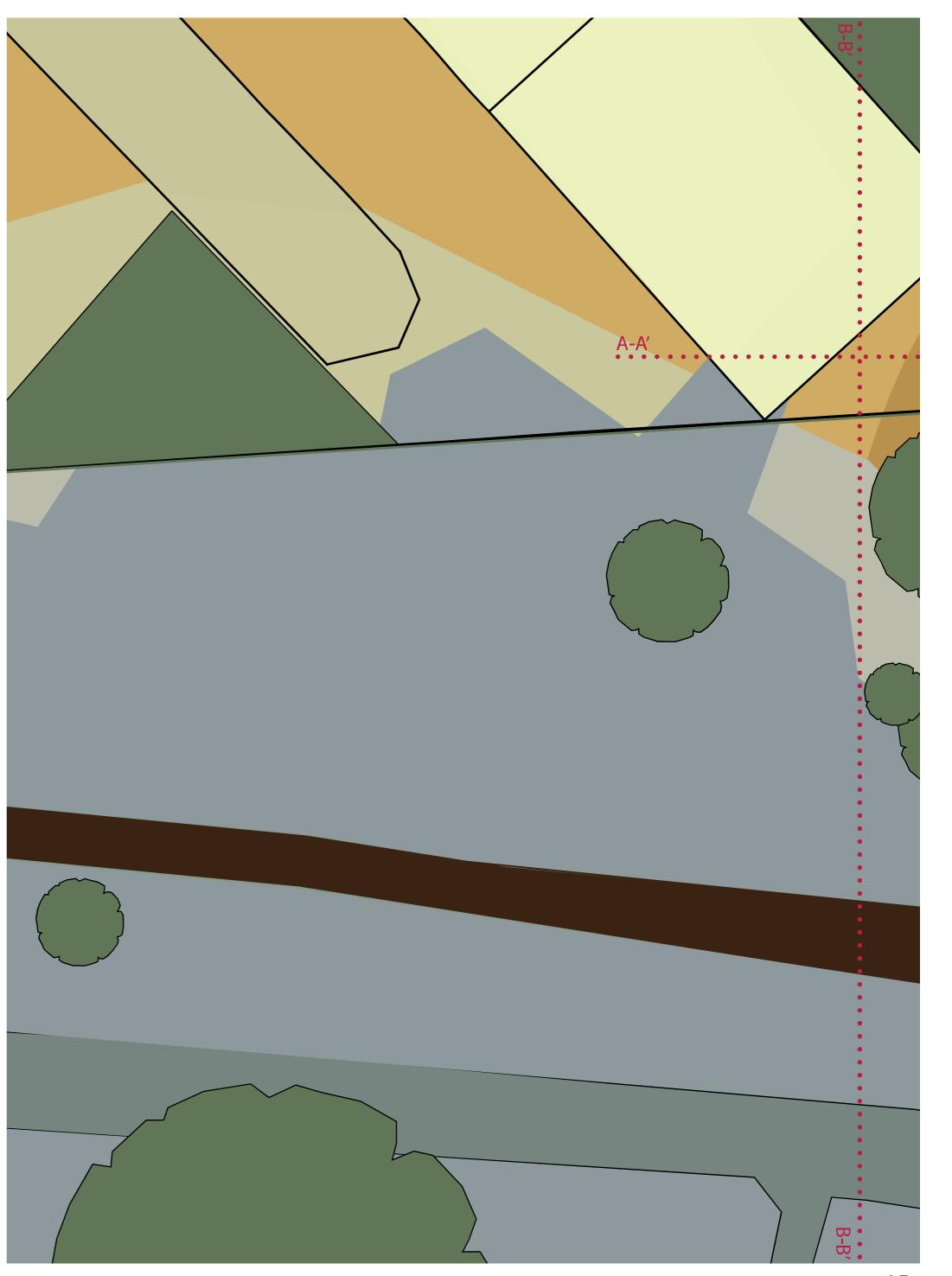
Goat willow Norway marple

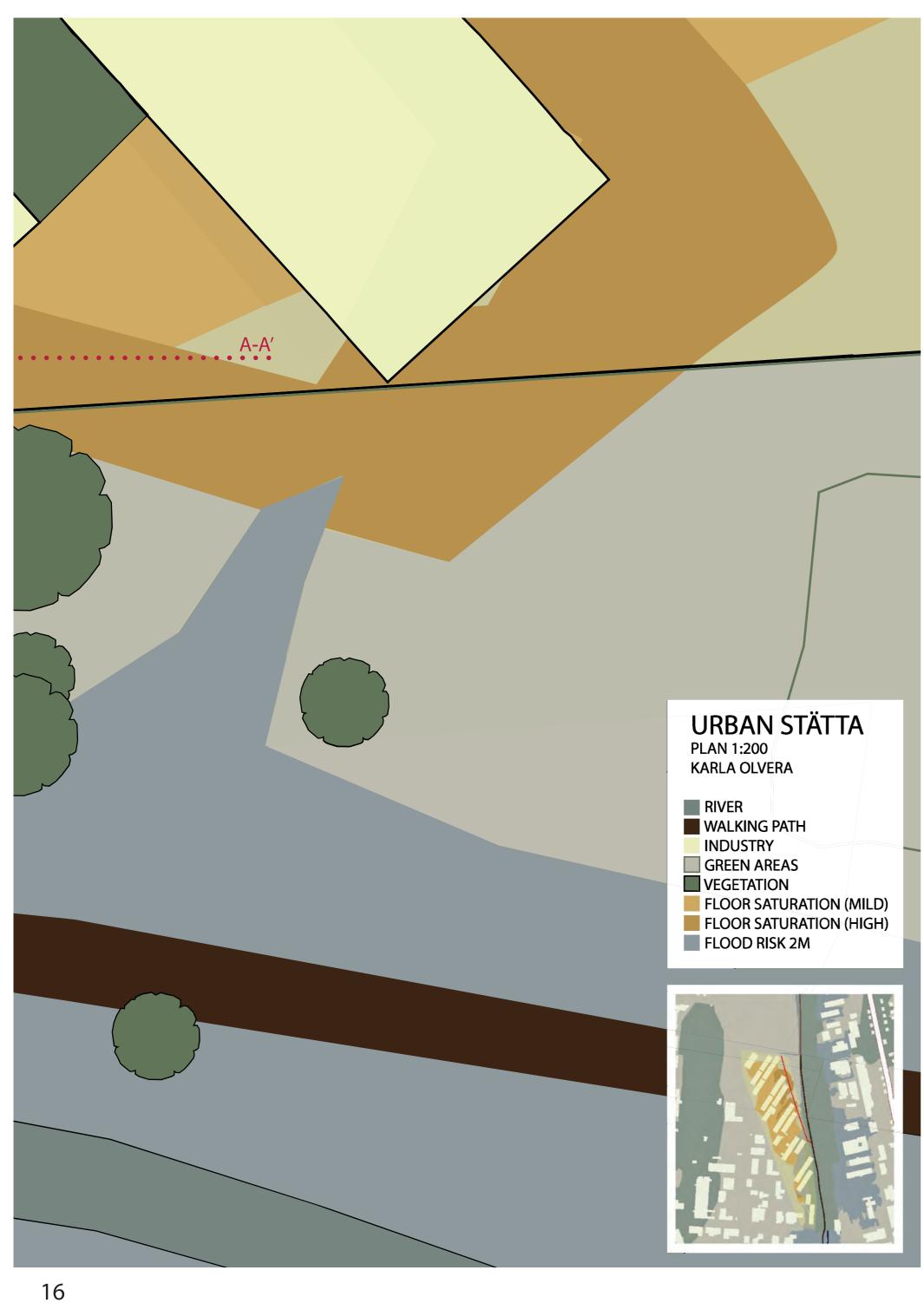
Biodiverse riparian area disappeared through human activities Tree species' richness visible in residential area



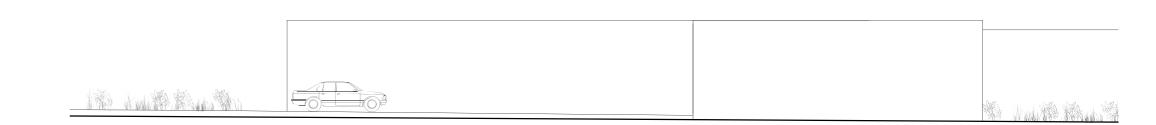


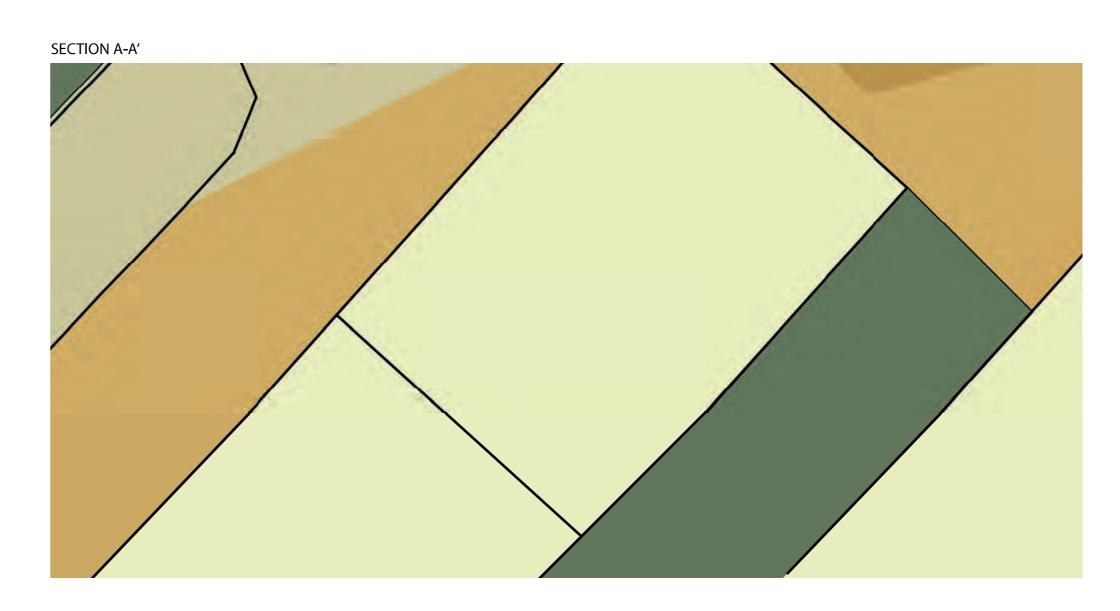


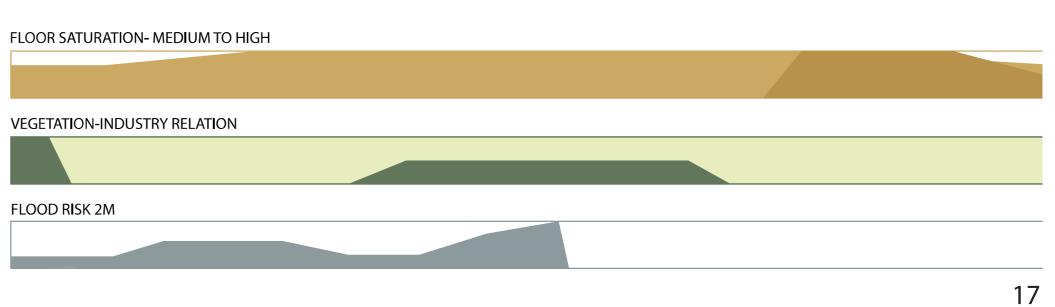




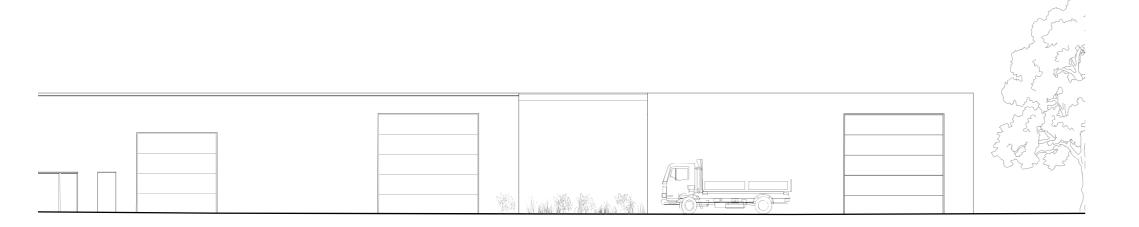
#### URBAN STÄTTA SECTION 1:200 Karla Olvera

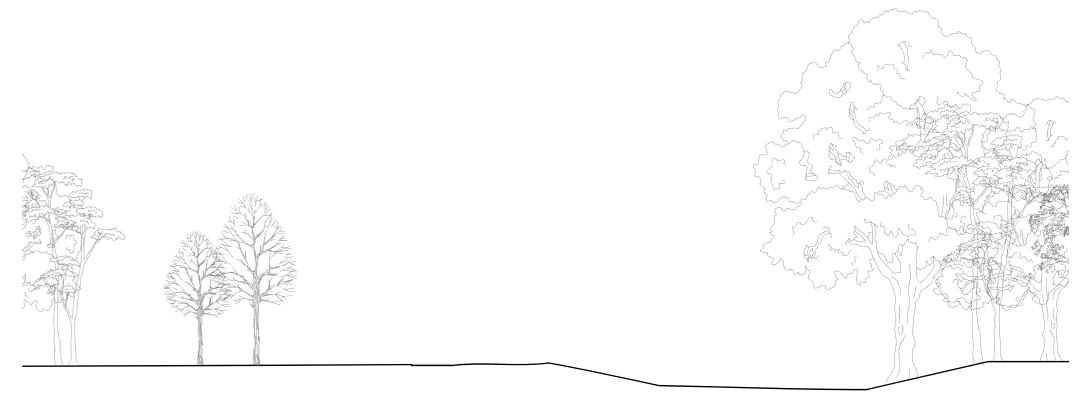




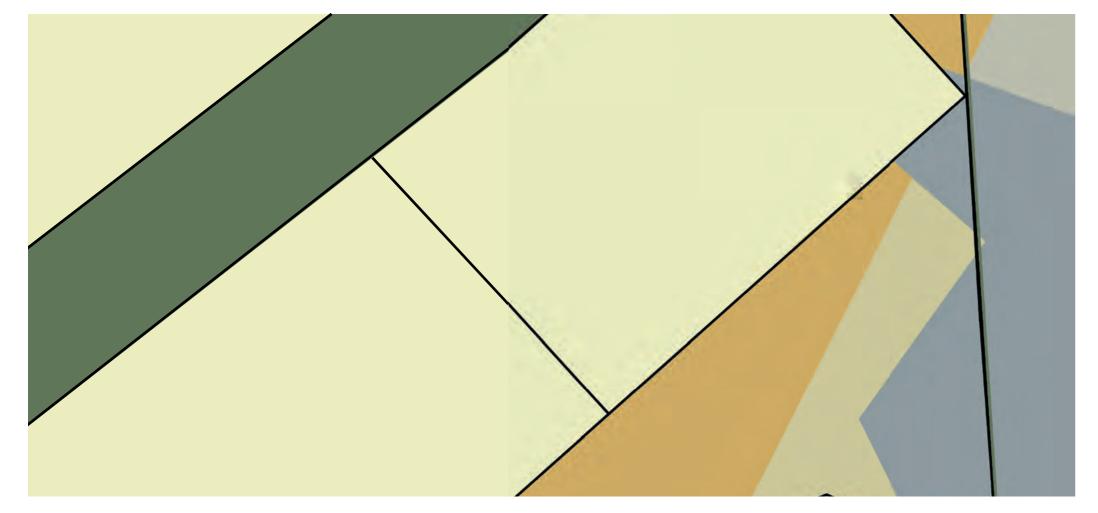


# URBAN STÄTTA SECTION 1:200 Karla Olvera





#### SECTION B-B'





#### FLOOR SATURATION- MEDIUM TO HIGH

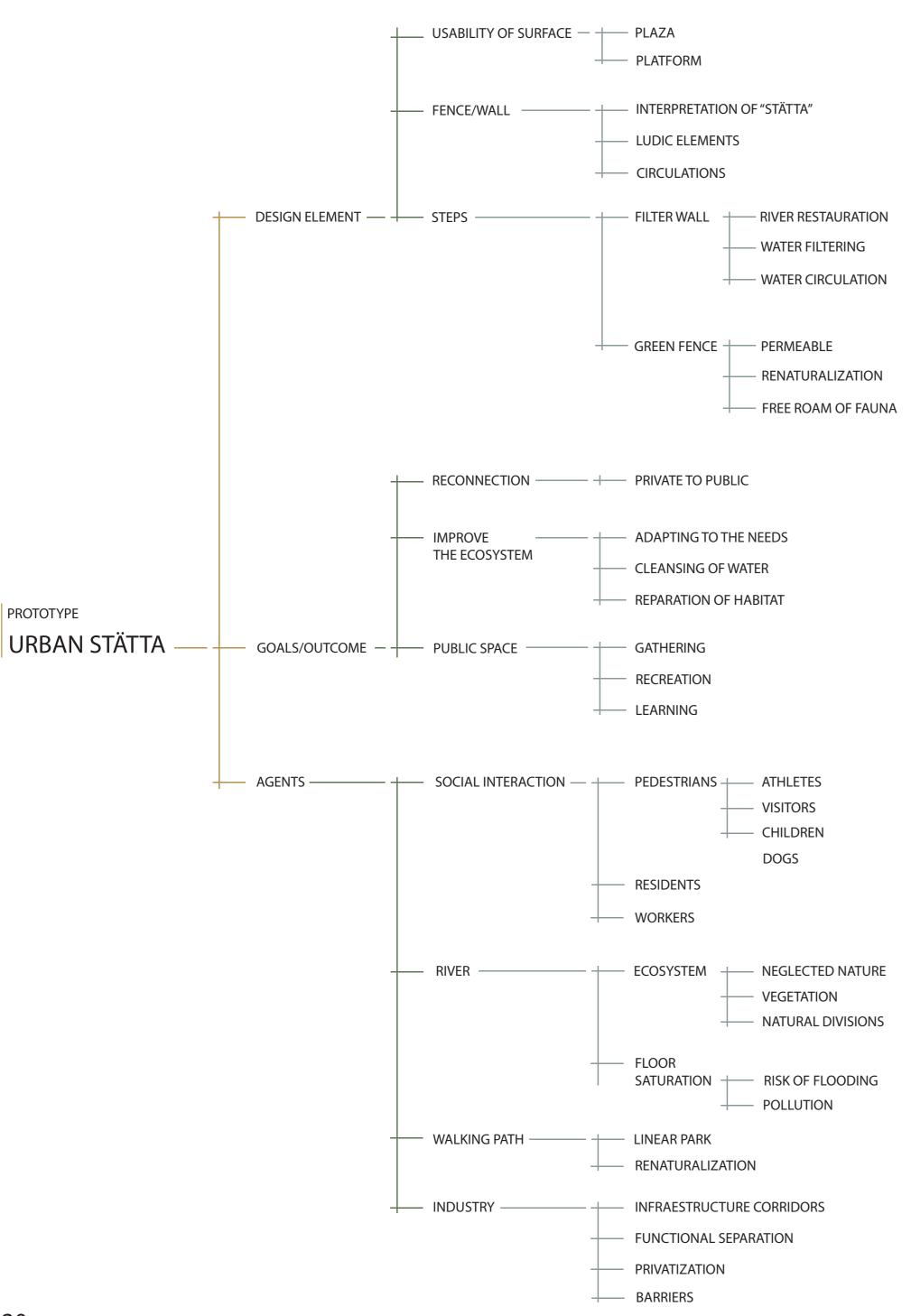
VEGETATION-INDUSTRY RELATION

FLOOD RISK 2M

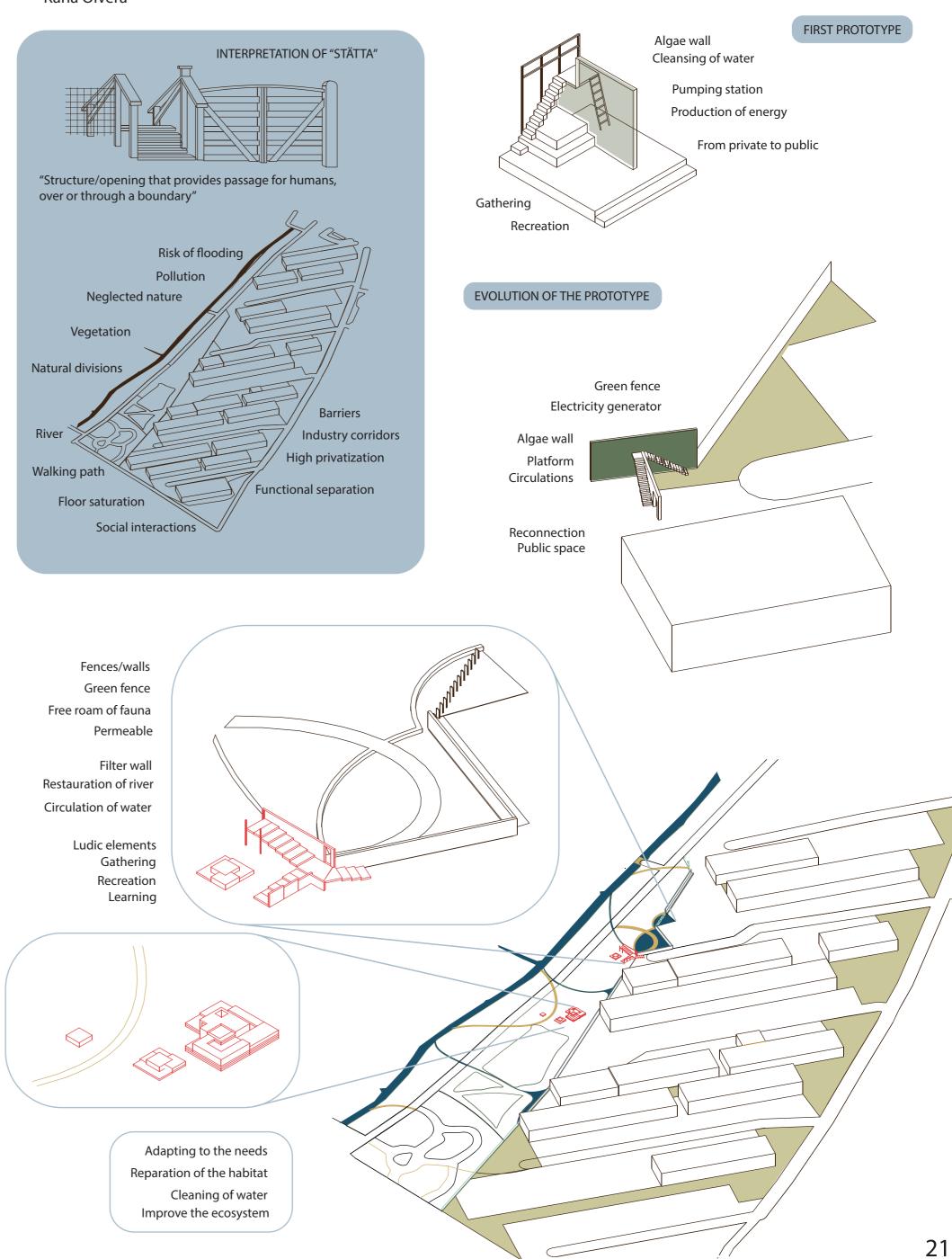
FLOOR SATURATION- MEDIUM TO HIGH

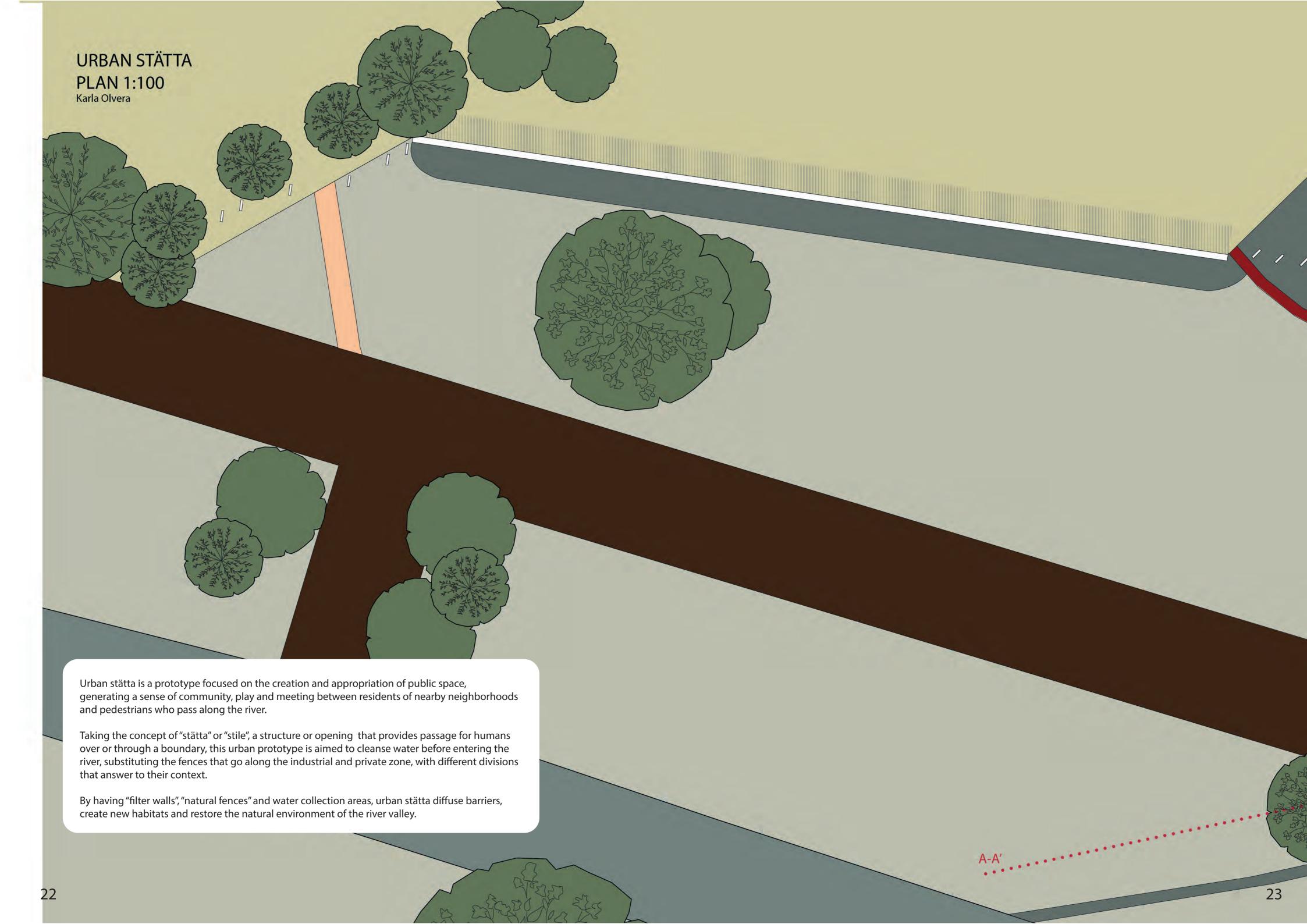
VEGETATION-INDUSTRY RELATION

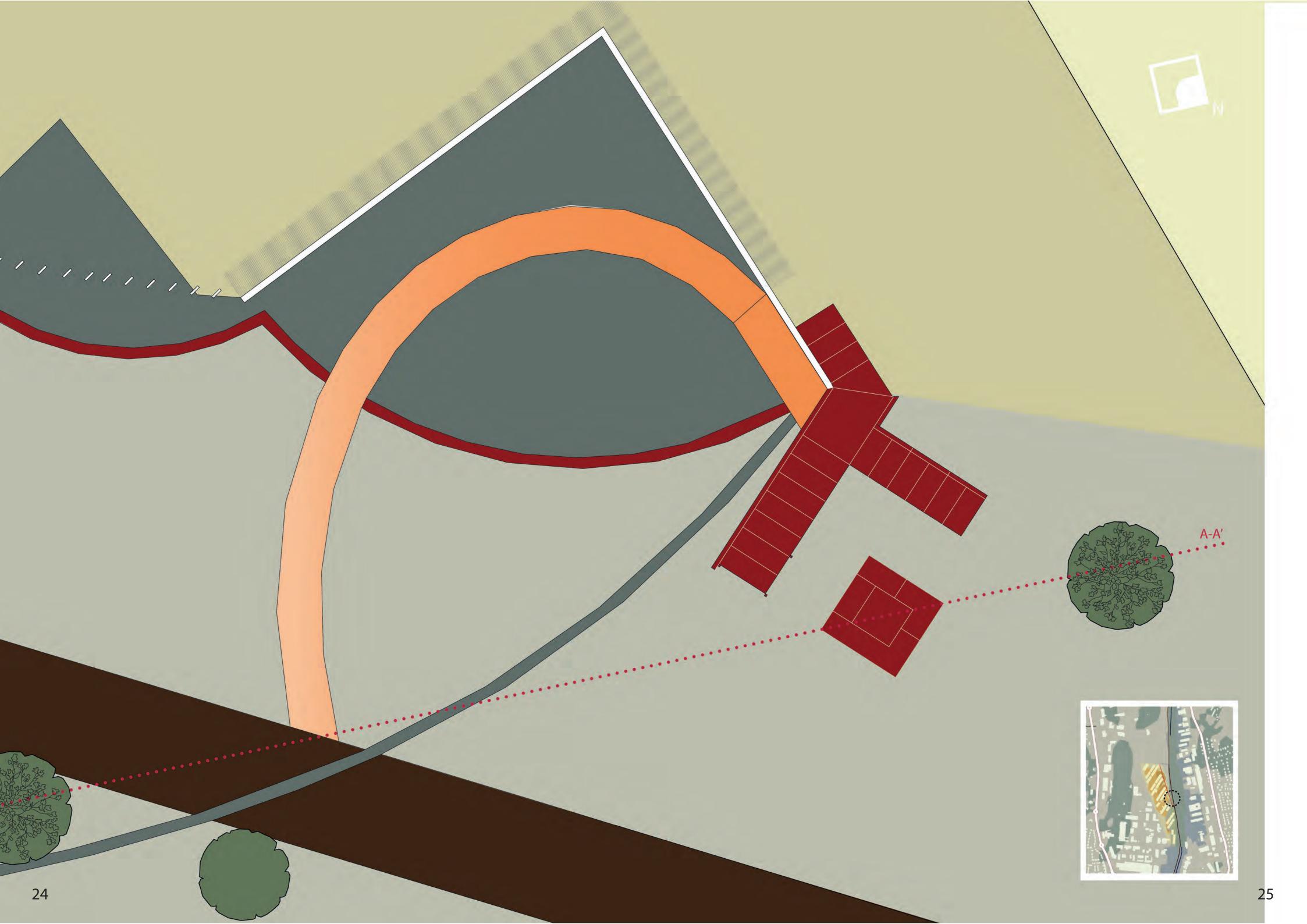
FLOOD RISK 2M



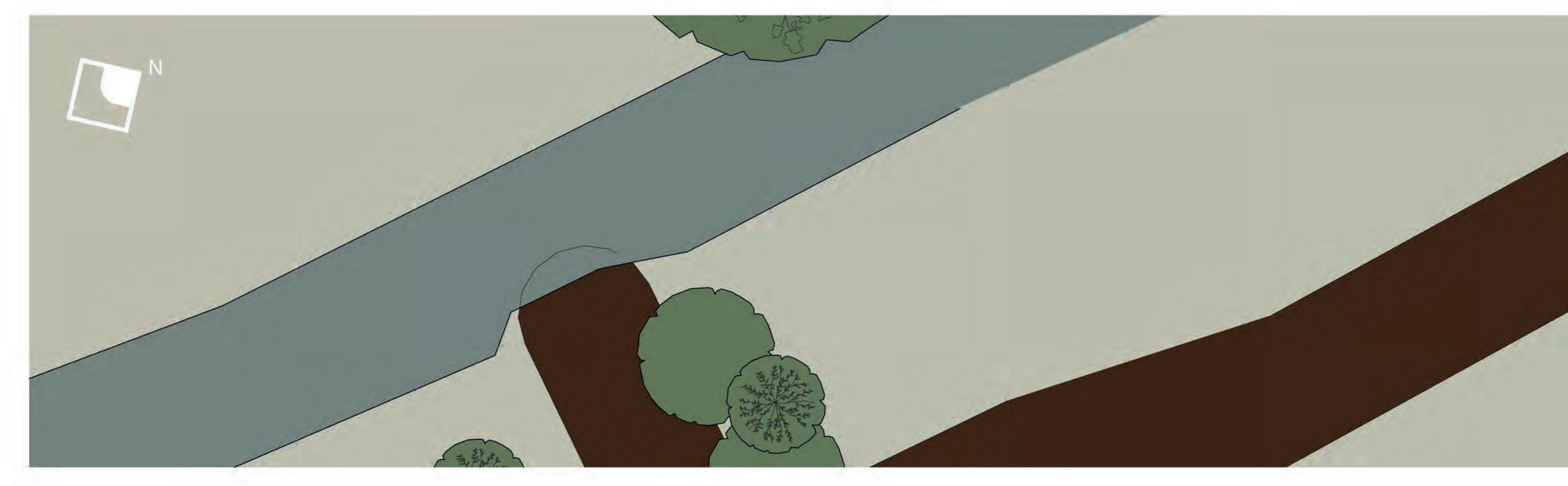
## URBAN STÄTTA Evolutionary tree Karla Olvera

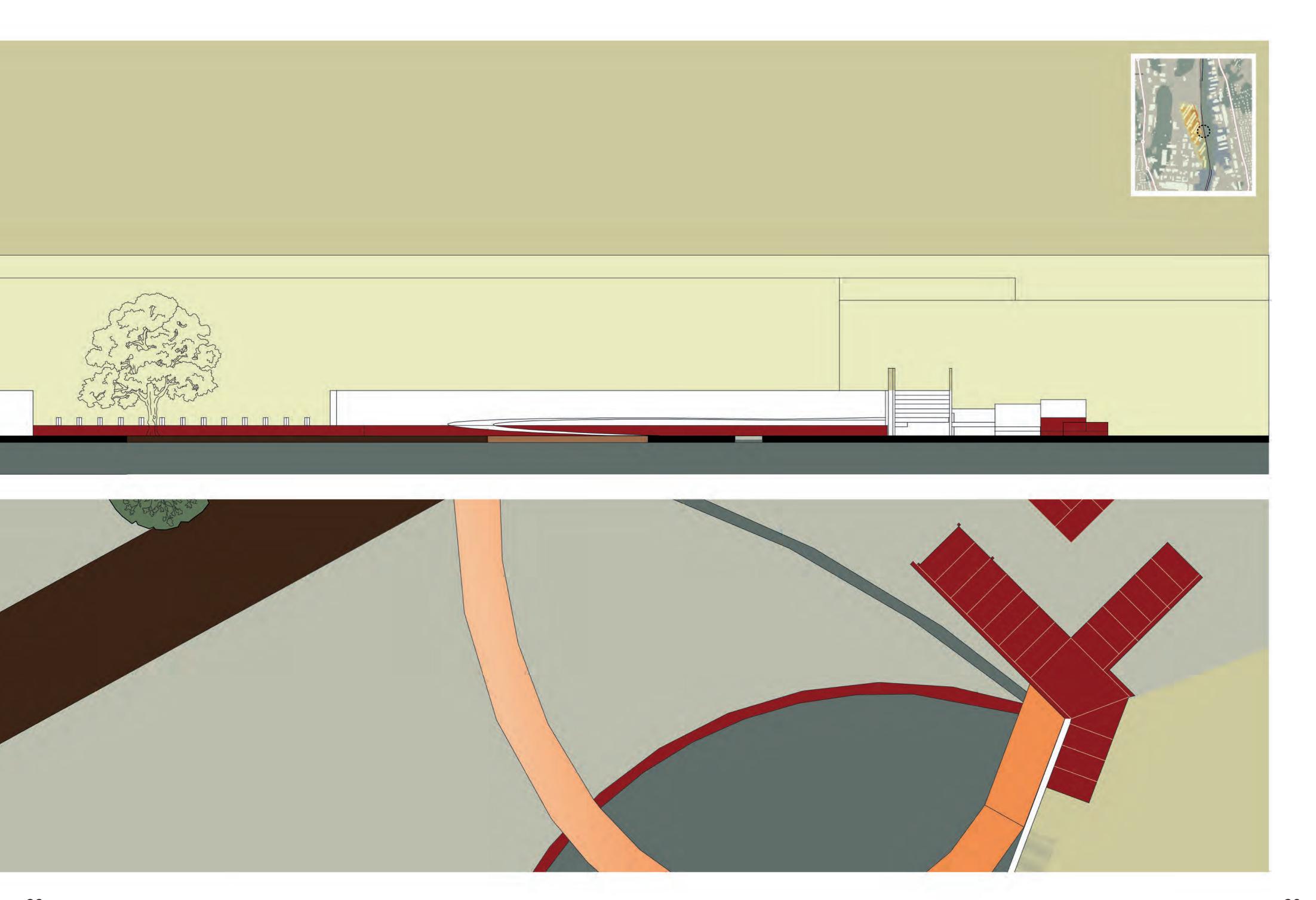




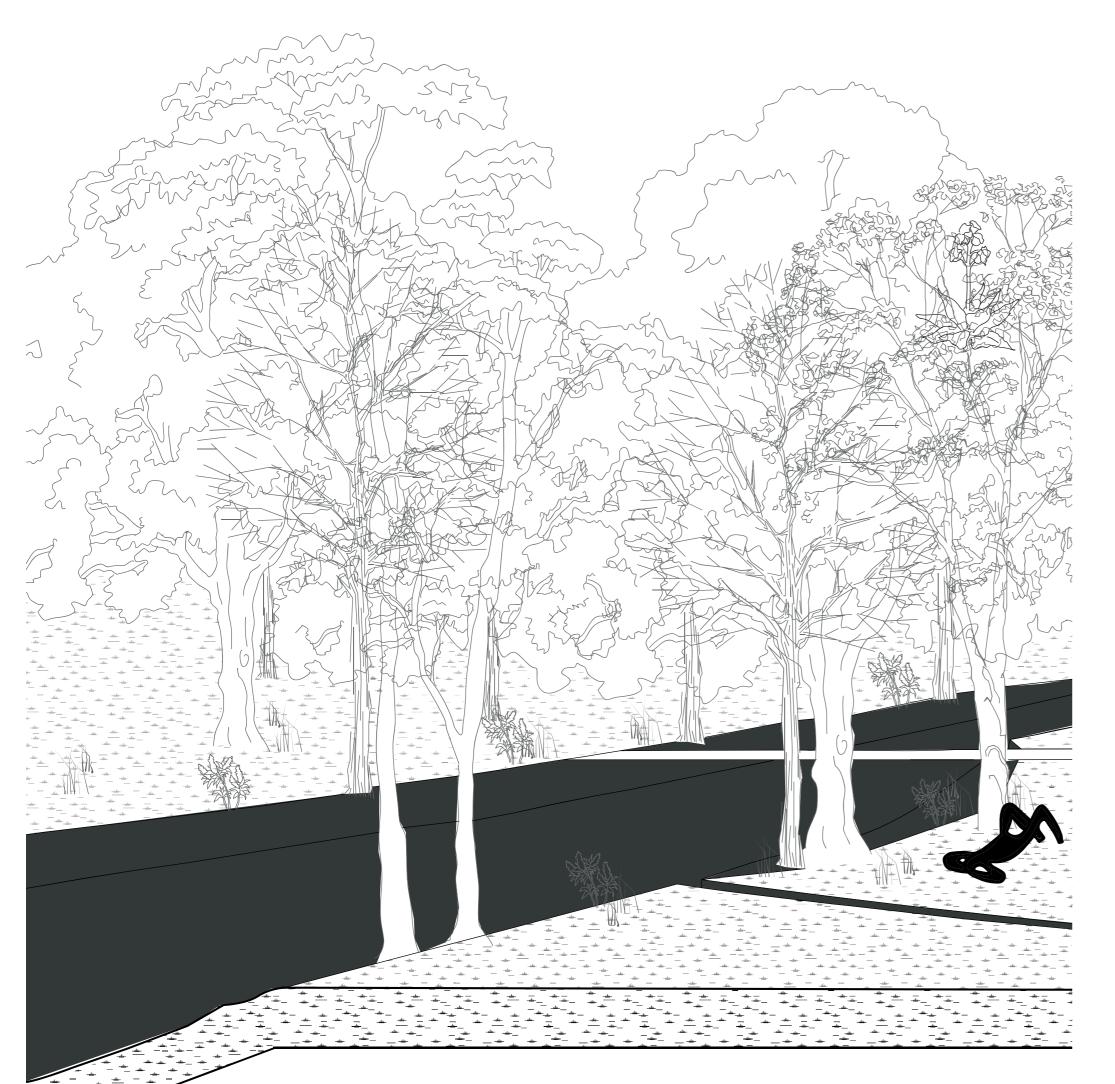


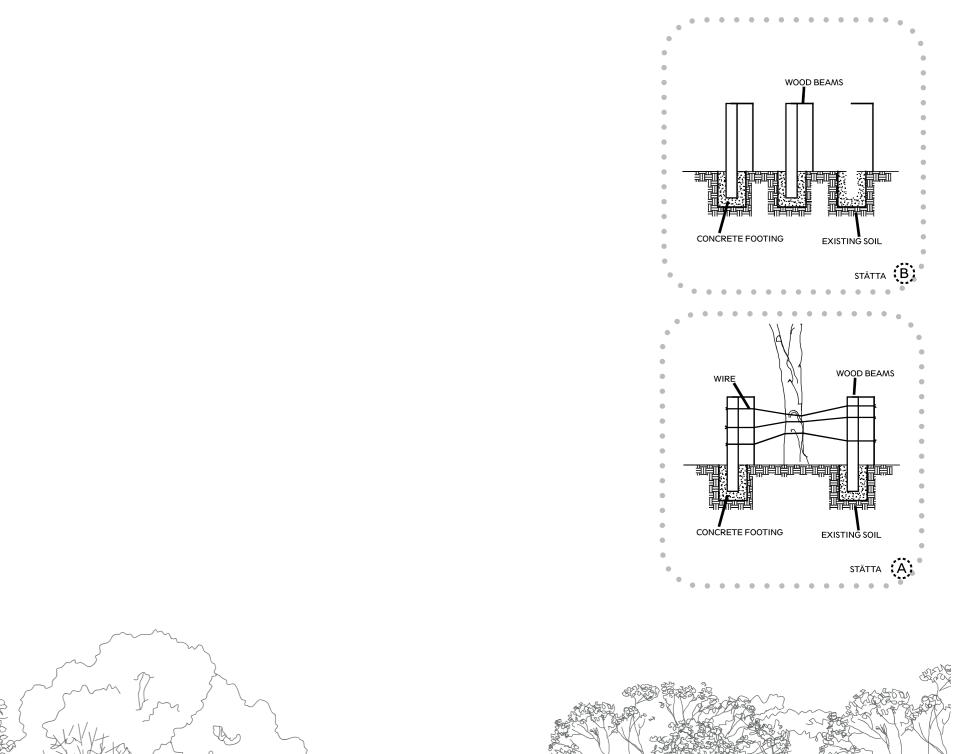


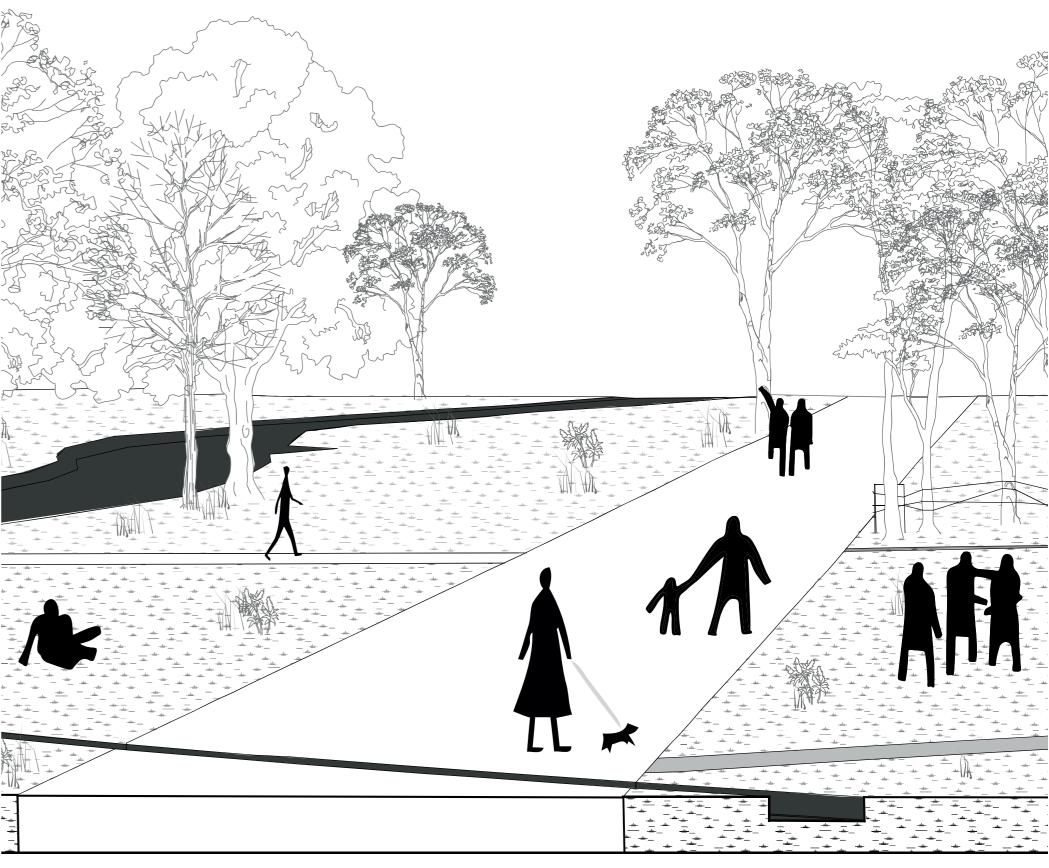




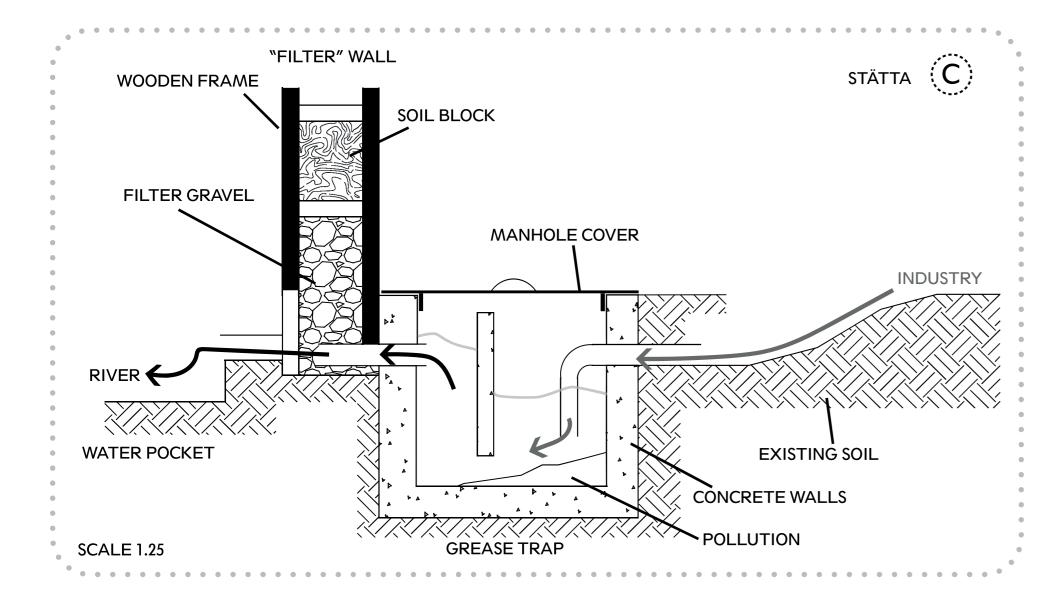
URBAN STÄTTA
3D SECTION 1.50
Karla Olvera

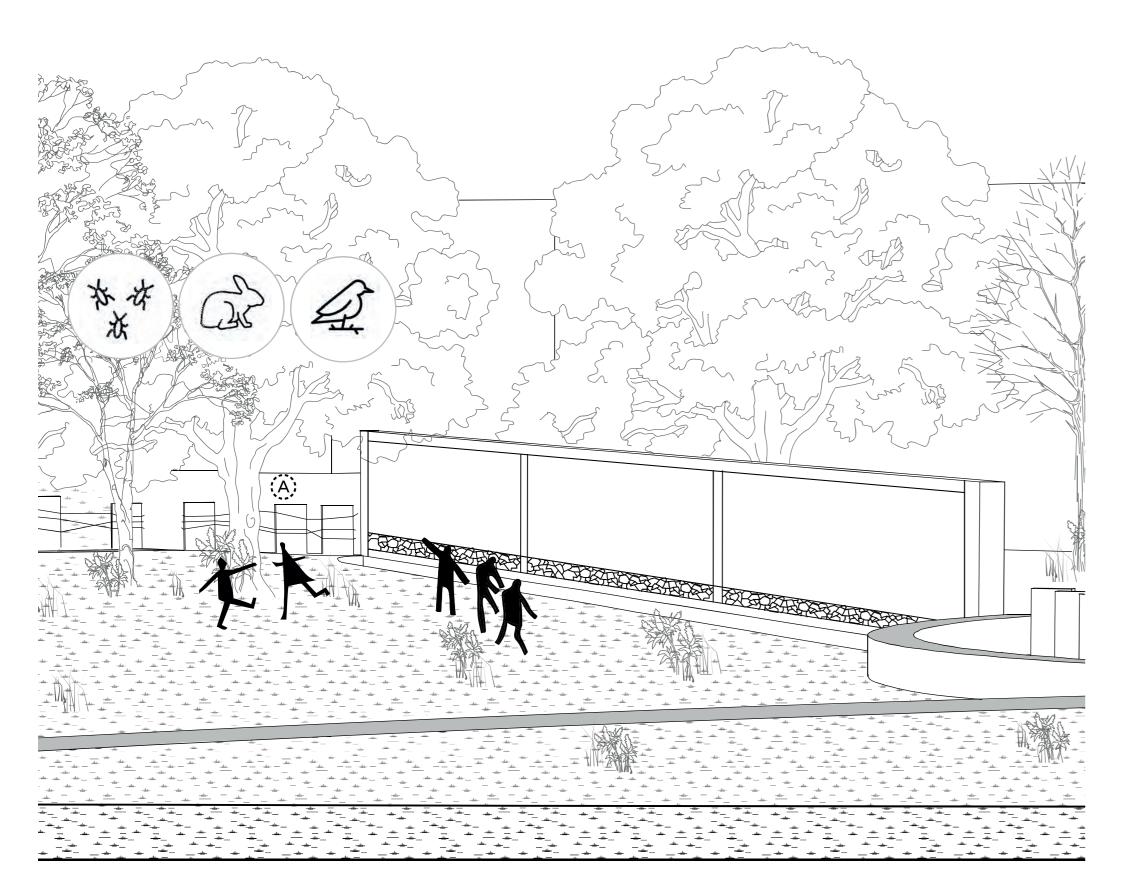


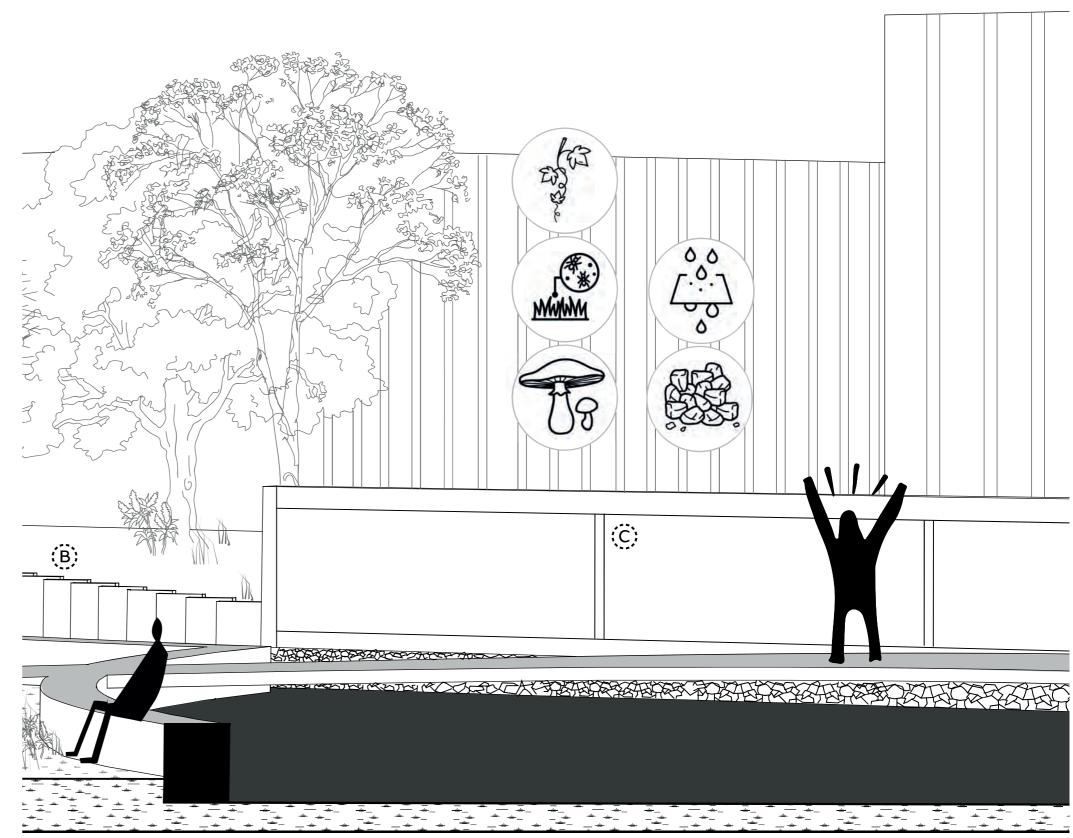


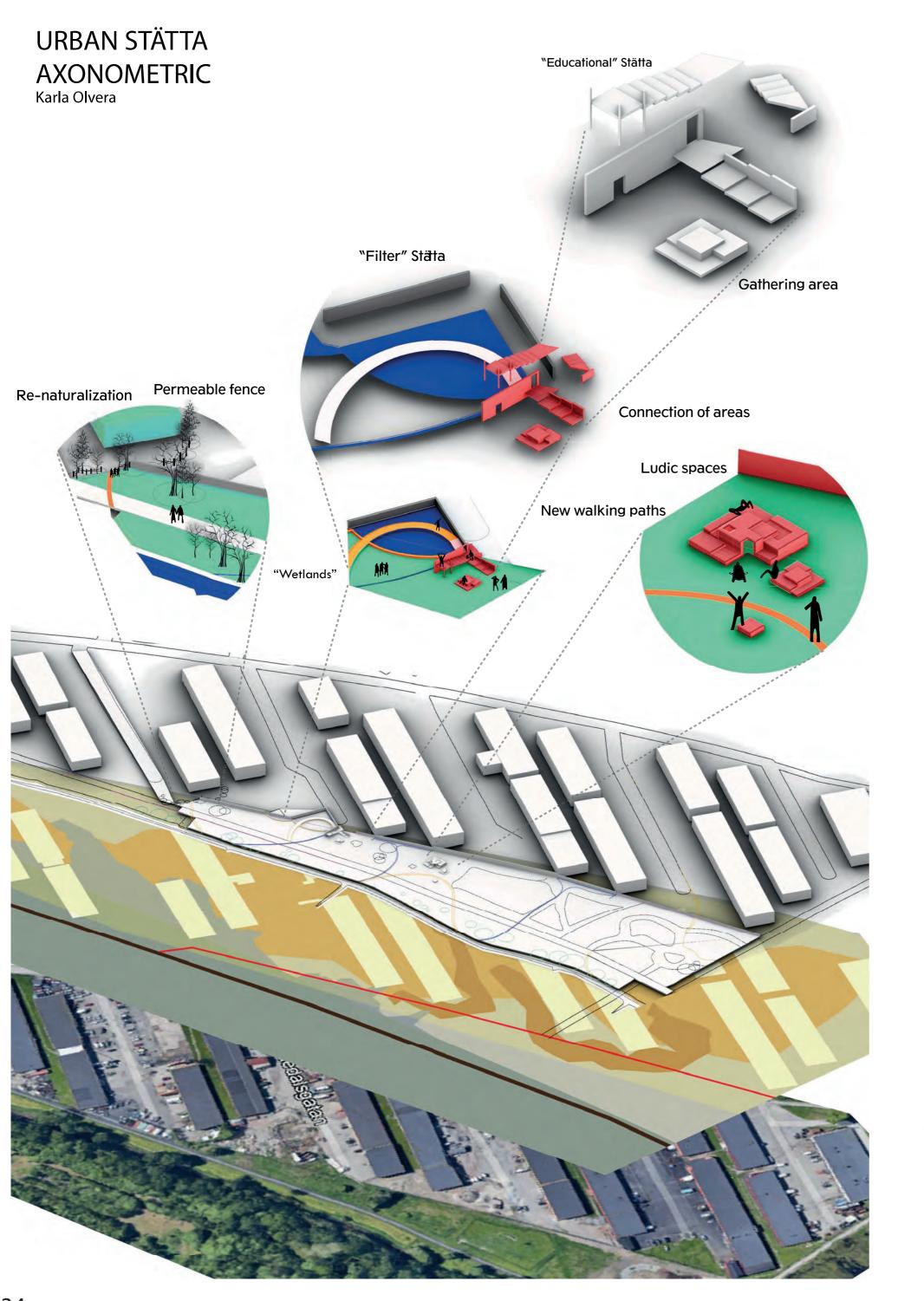


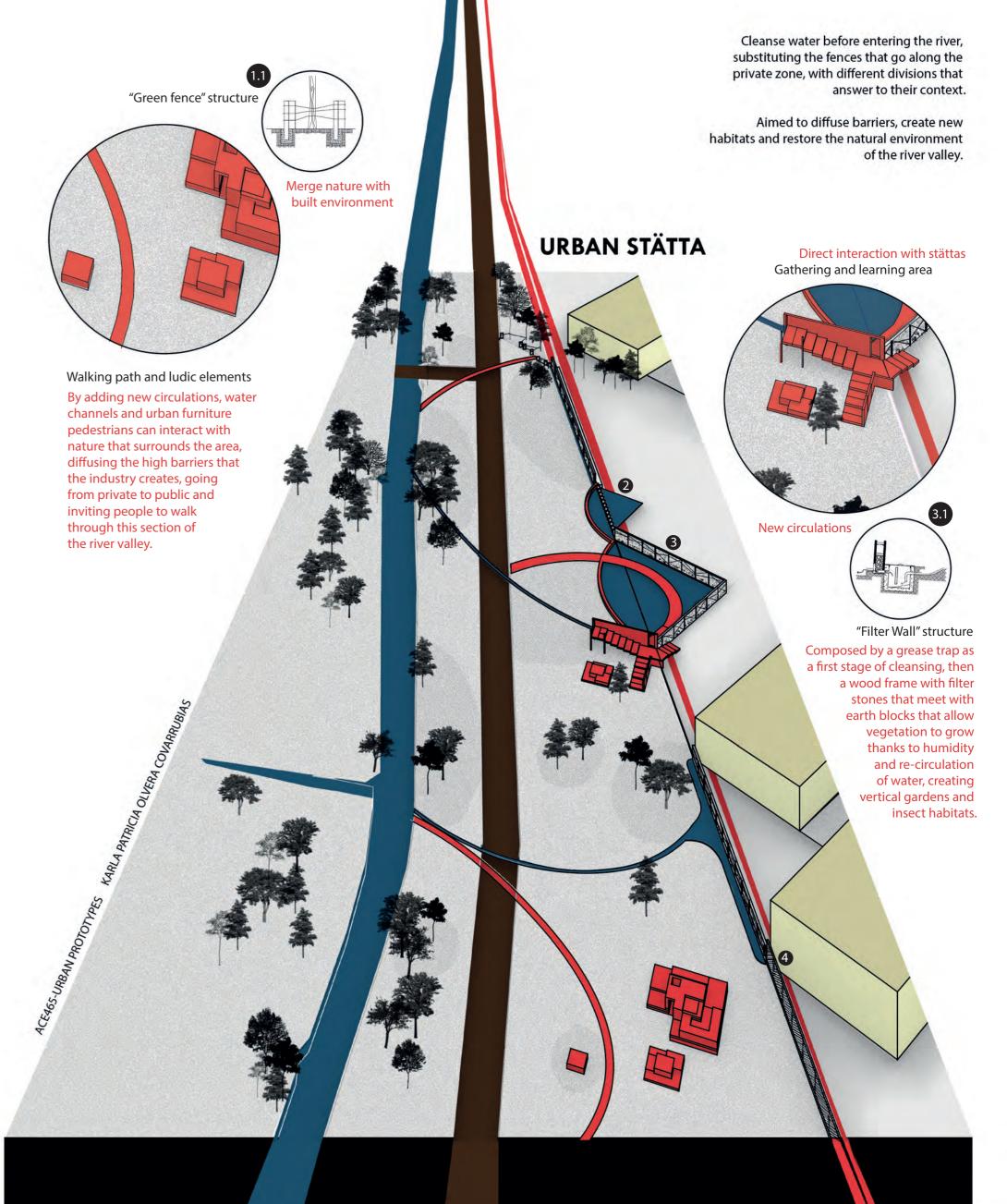
#### URBAN STÄTTA Evolutionary tree Karla Olvera





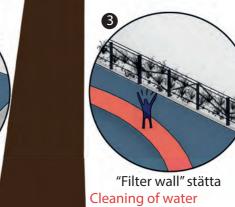


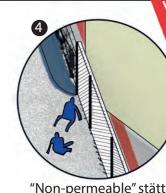










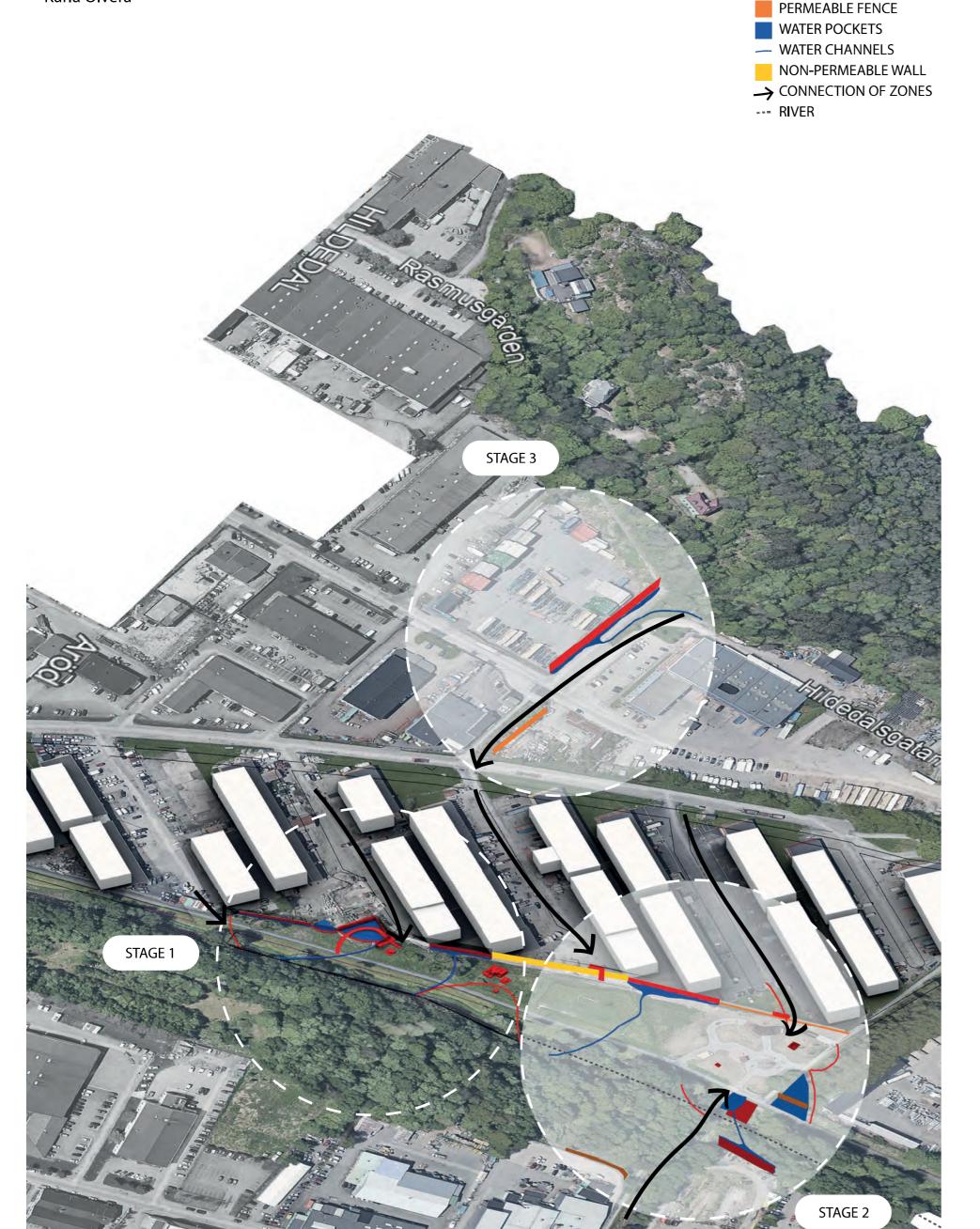


"Non-permeable" stätta

Adapt to the context

#### URBAN STÄTTA GROWTH SYSTEM

Karla Olvera



#### URBAN STÄTTA SWOT Analysis

Karla Olvera

FILTER WALL

STÄTTA FURNITURE

— WALKING PATHS

#### **DIVERSE PROTOTYPE DESIGNS:**

The project offers different responses according to its needs and context. By adapting with 4 versions of "stättas" the prototype is versatile and can be applied effectively in different scenarios.

#### PASSIVE ARCHITECTURE DESIGN:

By cleaning water with sedimentation and filtering, the prototype is energy-efficient.

#### **CLEANING OF WATER:**

With the "urban stätta" the main focus is to clean water before it arrives to the river, with a filtration system that responds to the environmental emergencies.

#### **INTERACTIVE:**

The inclusion of ludic elements adds dimension to the project, inviting people to participate and create a community.

#### **REGENERATION OF NATURAL HABITAT:**

The project's focus on regenerating the natural habitat of the river is a key strength.

#### LINEAR DESIGN LIMITATION:

The linear design of the project may pose limitations in terms of coverage. It targets specific areas that might limit the project's reach.

#### RISK OF BEING PERCEIVED AS FRAGMENTED:

The risk of being perceived as fragmented is a potential weakness. Design adjustments may be necessary to ensure that the project is perceived as a cohesive and integrated solution.

#### **UNCOVERED OUTDOOR ELEMENTS:**

The presence of uncovered outdoor elements could pose challenges during adverse weather conditions.

## STRENGTHS OPPORTUNITIES

## W T

## WEAKNESSES THREATS

#### **POSSIBLE EXPANSIONS:**

The potential for expansion offers a unique opportunity to scale the project's impact. The impact and outcomes that the prototype might make can be easily replicated in other areas with similar contexts.

CITY AND BACKAPLAN AREA GROWTH:

With the anticipated growth of the city and the Backaplan area, the project is well-positioned to contribute positively to urban development.

RELATIVE CONNECTION TO HIKING TRAIL

#### AND NATURAL AREAS:

The project's relative connection to the hiking trail and natural areas north of the river presents opportunities for synergies. Enhancing this connection can promote recreational activities, tourism, and a coexistence with the natural landscape.

#### FLOODING:

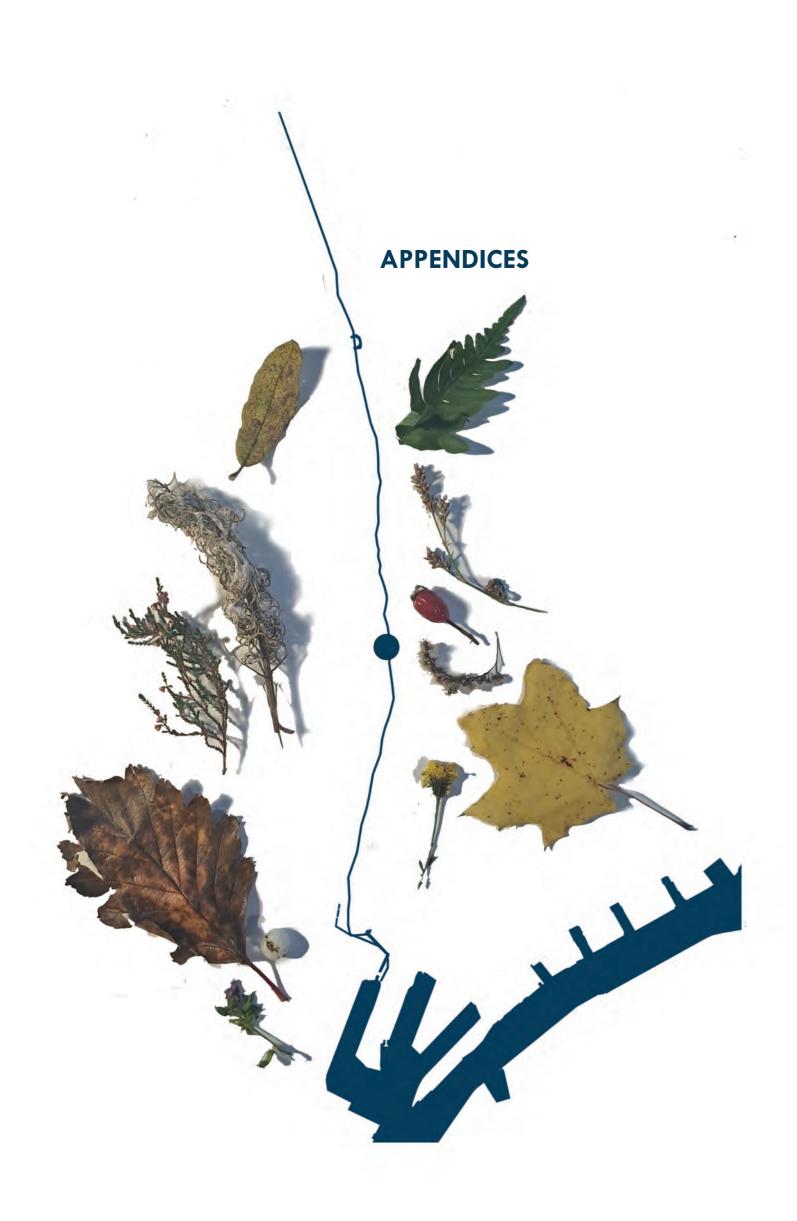
The risk of elements becoming obsolete during flooding events is a tangible threat.

CHEMICAL POLLUTION AND FILTRATION SYSTEM:

If there is any chemical hazard or pollution, the filtering wall would not work as it only filters heterogeneous mixtures.

#### **DISUSE DUE TO PEDESTRIAN CHOICES:**

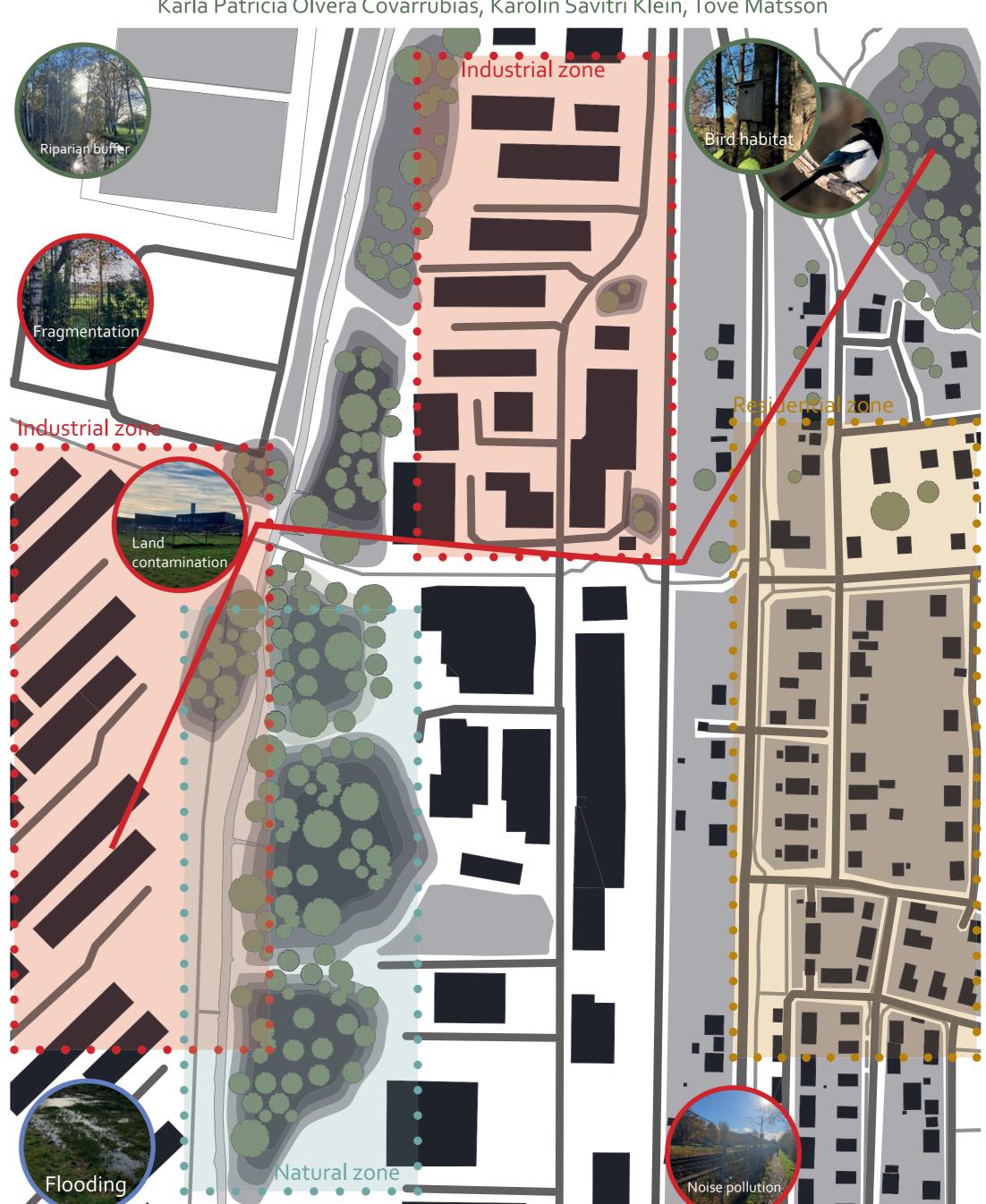
The potential for disuse if pedestrians prefer alternative routes along the highway is a significant threat. Conducting community outreach, understanding user preferences, and enhancing the attractiveness of the river path can help address this threat.

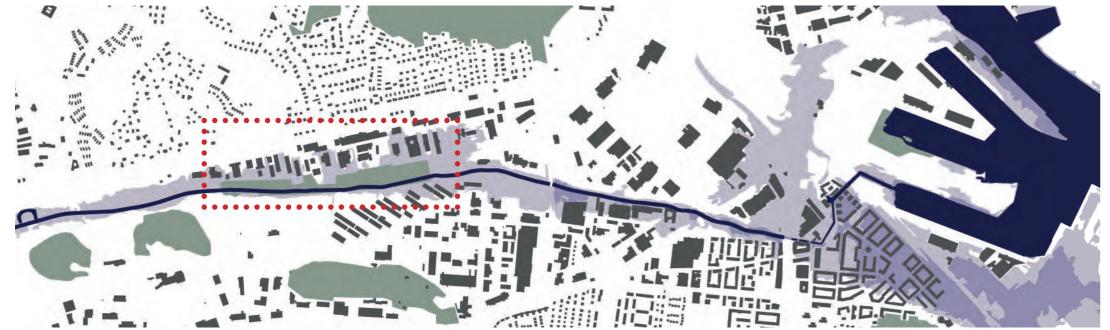


## KVILLEBÄCKEN

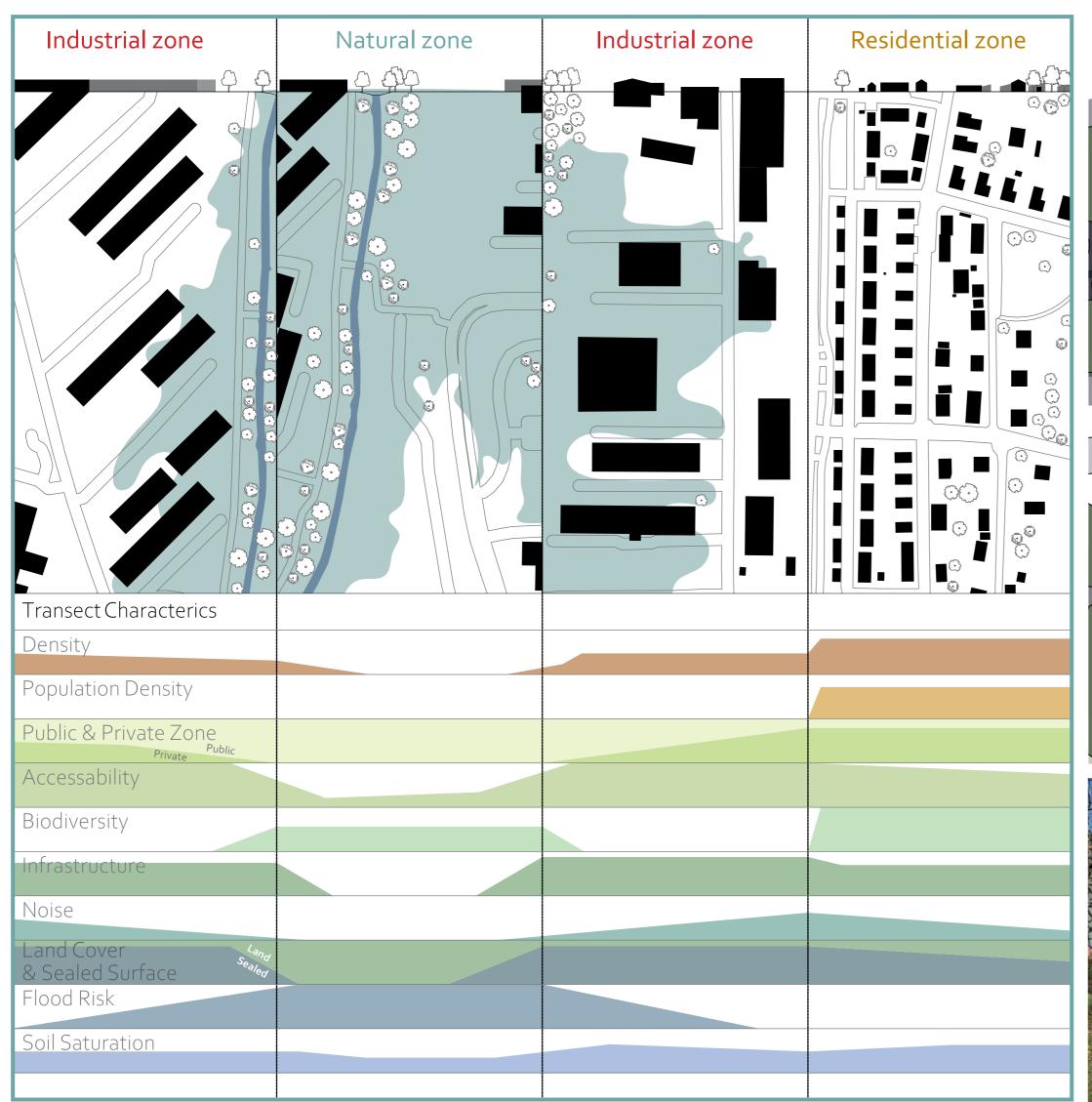
### River sections and assets

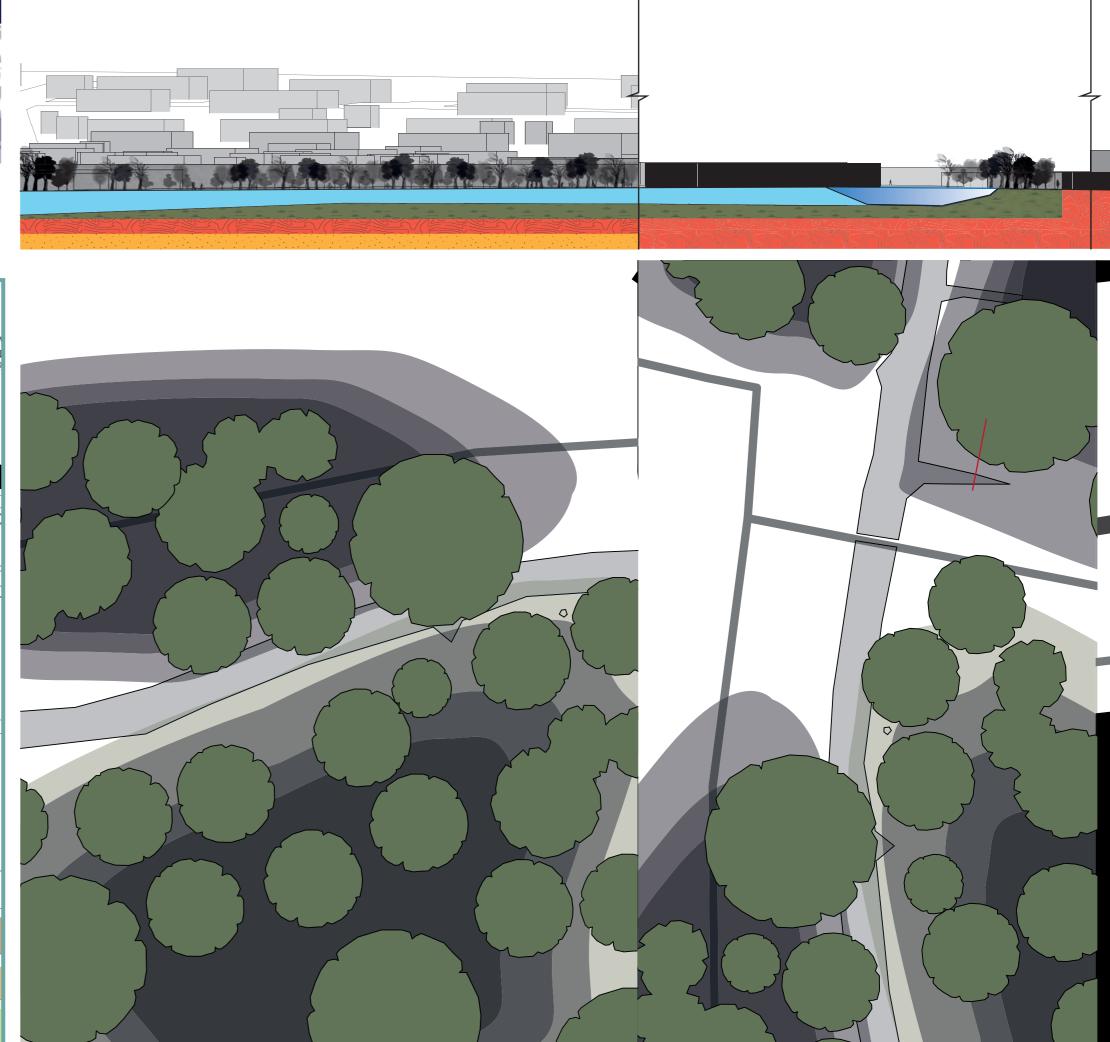
Exercise 1.2 YR. 1, ACE 465 Urban Prototypes Karla Patricia Olvera Covarrubias, Karolin Savitri Klein, Tove Matsson



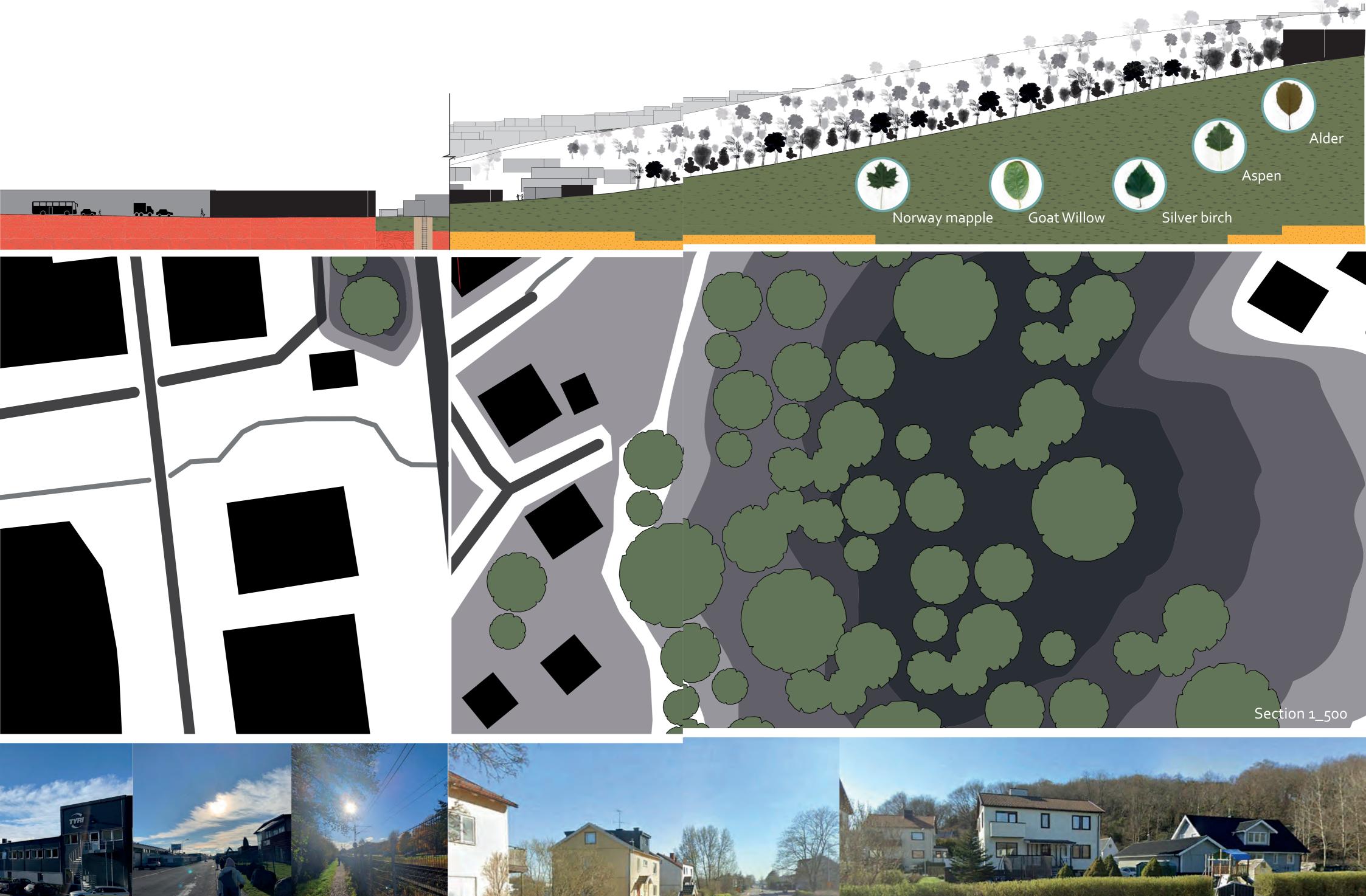


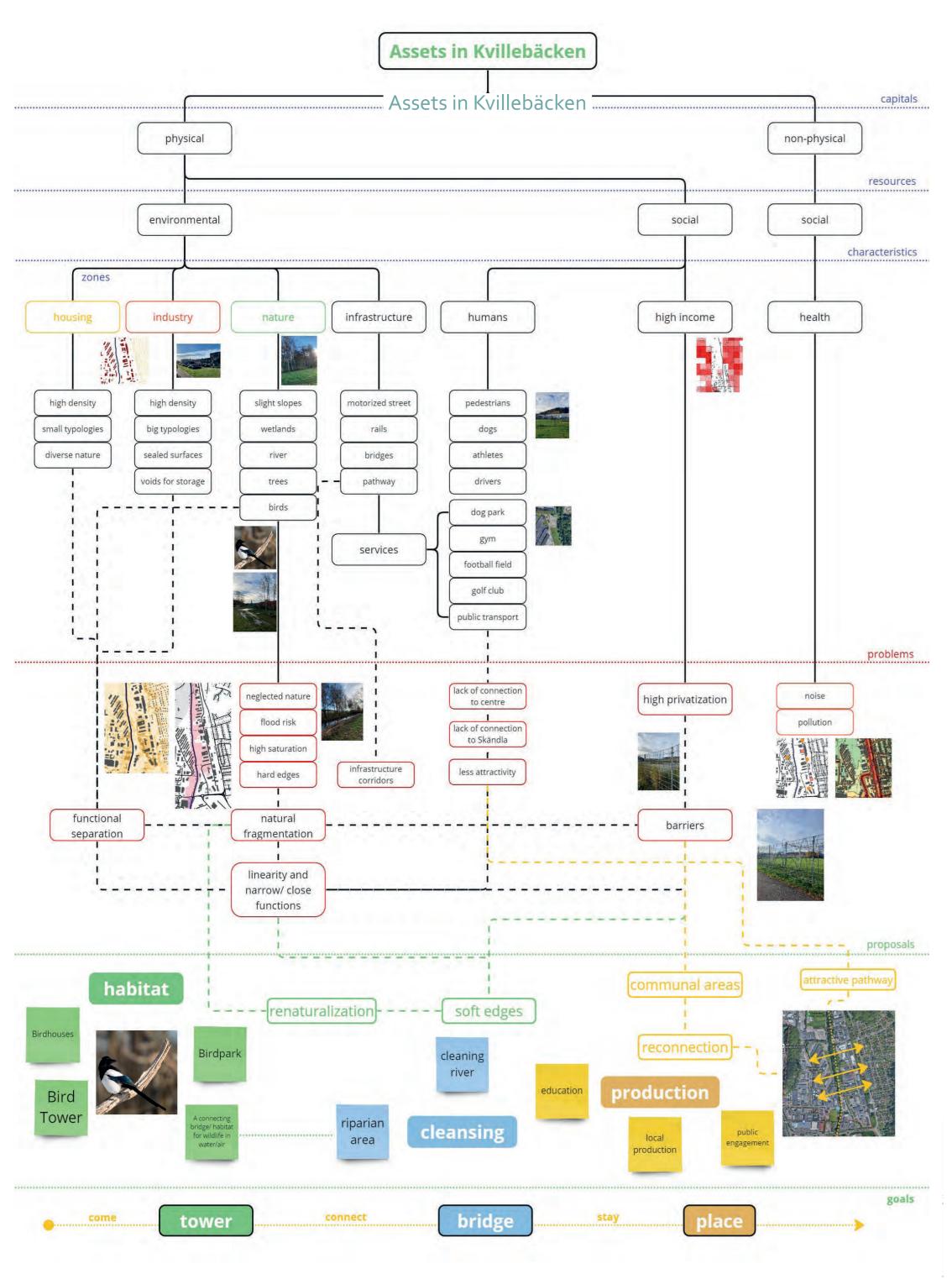
Kvillebäcken Transect Groups











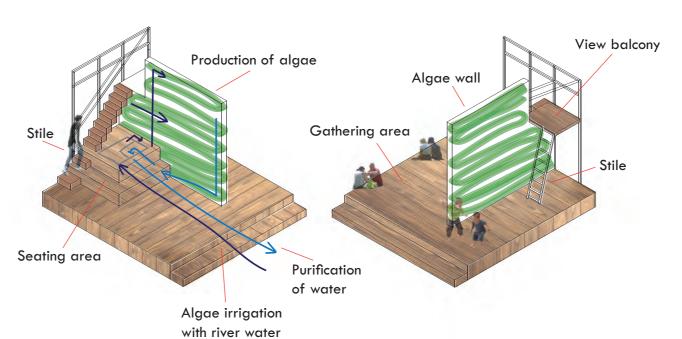
#### **URBAN STÄTTA**

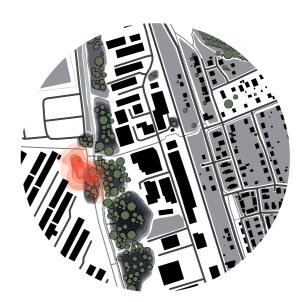
KVILLEBÄCKEN RIVER | URBAN PROTOTYPES KARLA PATRICIA OLVERA COVARRUBIAS



STÄTTA/STILE:
Structure or opening that provides passage for humans over or through a boundary.
Common forms include steps, ladders, or narrow gaps.

"Urban stätta is a prototype focused on the creation and appropriation of public space, generating a sense of community, play and meeting between residents of nearby neighborhoods and pedestrians who pass along the river".



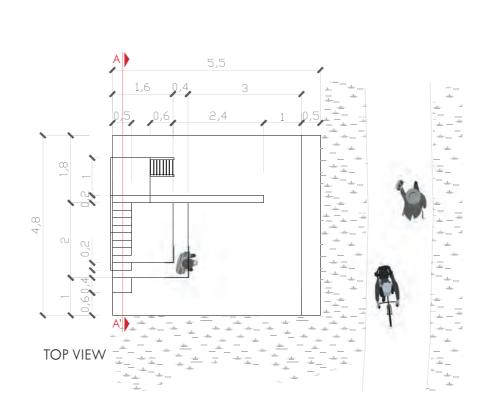


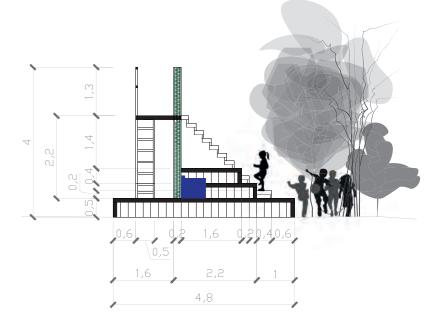
Placement of the prototype

#### **DESIGN INTENTIONS:**

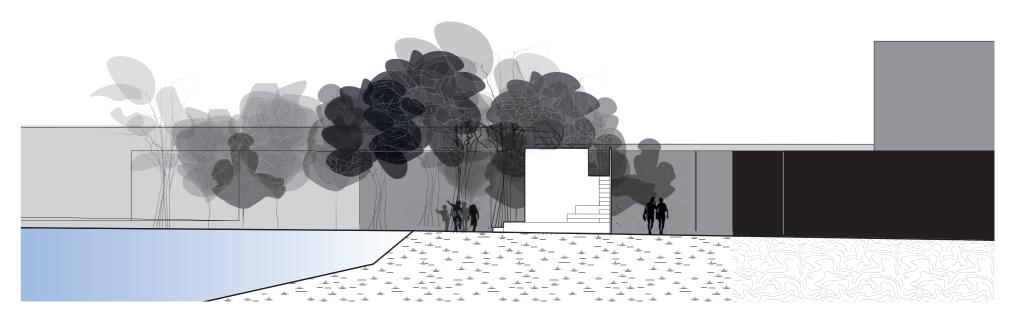
- -Production of energy and cleansing of water through cultivation of algae.
  -Public space for sitting and gathering.
  -Recreation and learning area.
- -Discourse on privatization of the river (Golf Club)

AGENTS	<b>ACTORS</b>
Infraestructure corridors	Pedestrians
Neglected nature	Residents
High privatization	Children
Functional Separation	Athletes
Barriers	Dogs
Pollution	





SECTION A-A'



# URBAN STÄTTA EVOLUTIONARY TREE Karla Olvera

