



Designing for Co-Existential Spaces

The Case of Afrikaanderwijk

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Mentors
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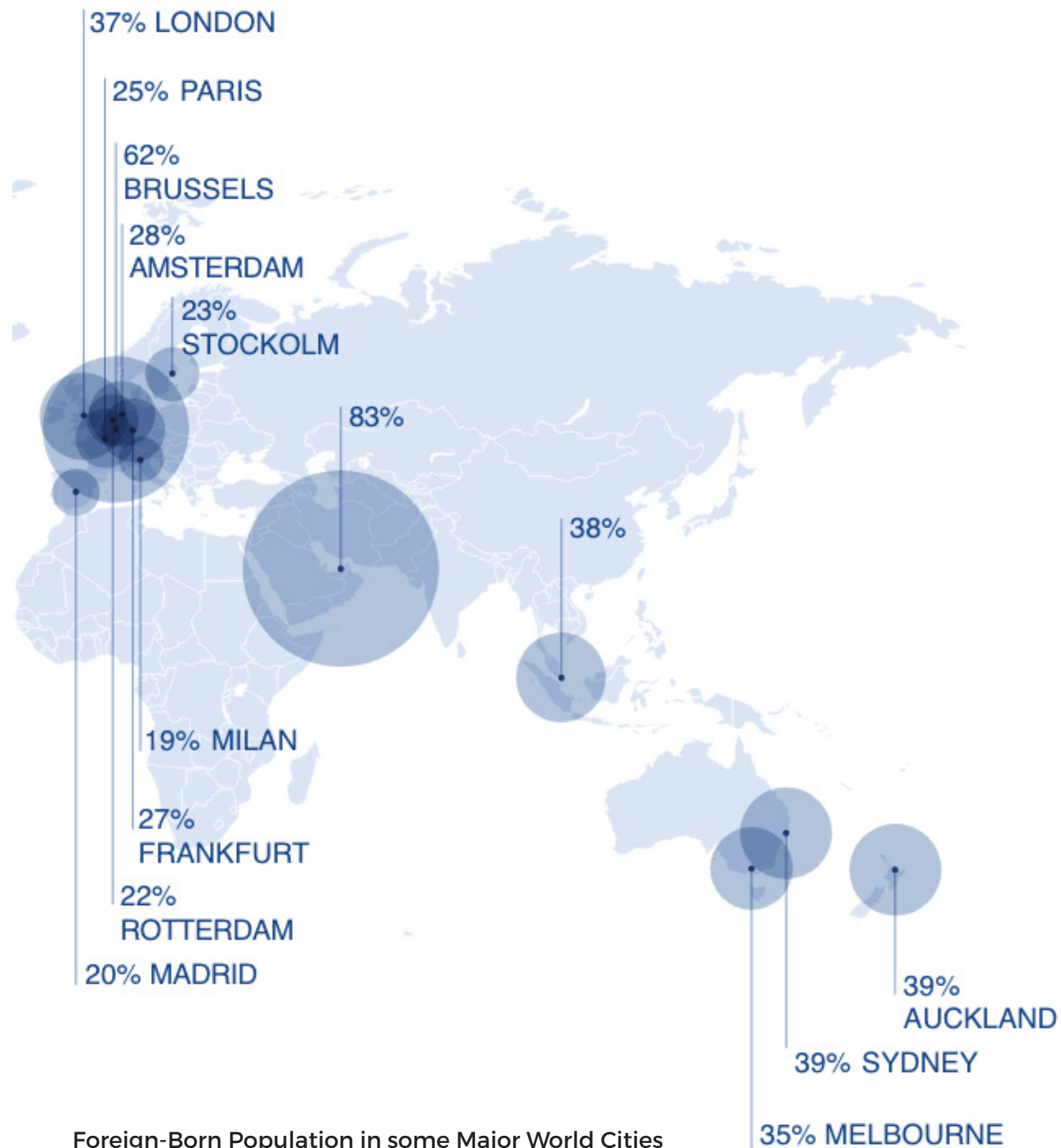
P5 Presentation
June 2022

Motivation



Protest in the Tweebosbuurt on April 19, 2021
Source: www.rechtopdestad.nl

Problem Field



Foreign-Born Population in some Major World Cities
Source: a- UN DESA, 2018; b- IOM, 2015 based Caglar, 2014; c- Compiled by IOM from various sources, 2015



Amsterdam

Source: www.rotterdam-holland.com

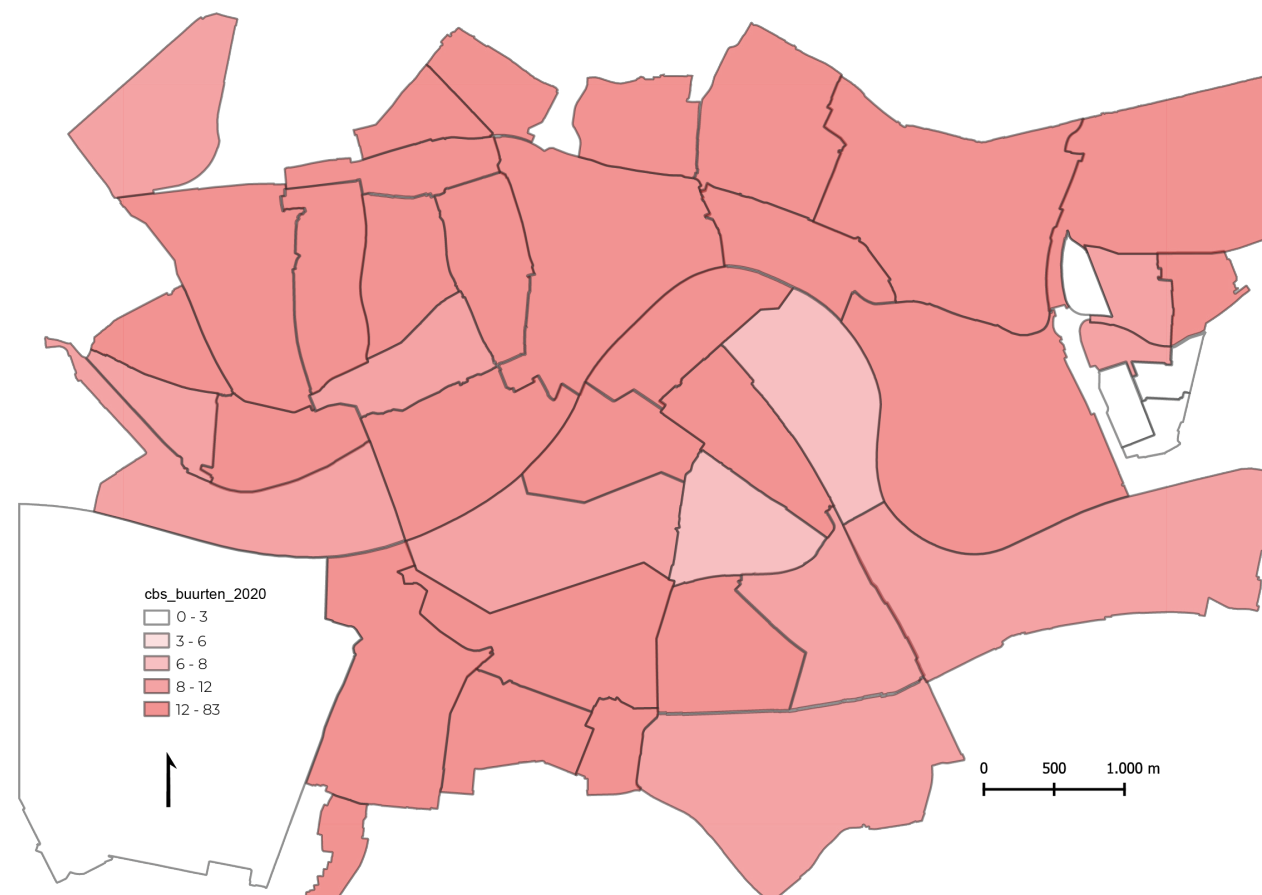


Afrikaandermarkt, Rotterdam

Source: www.humanityinaction.org

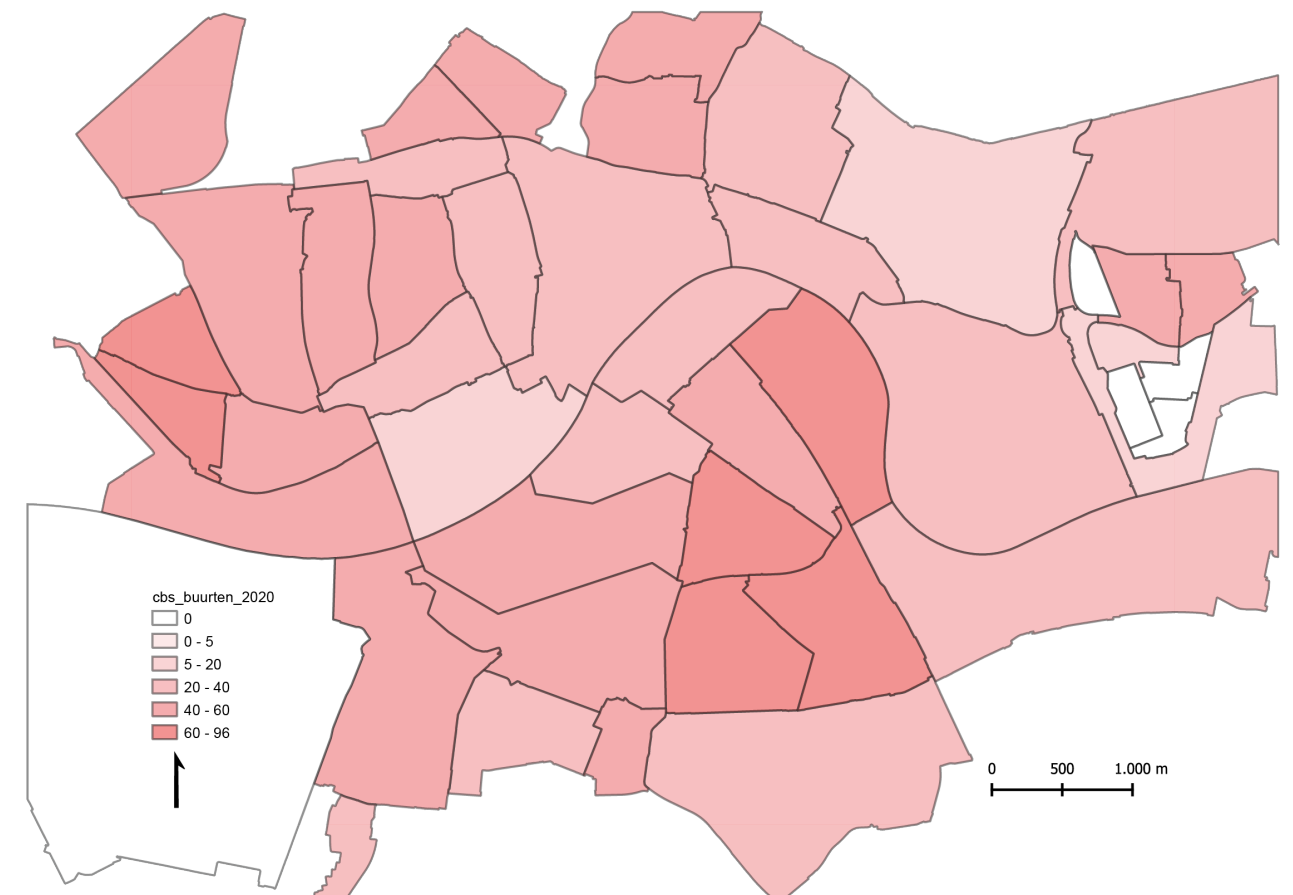
Problem Analysis

Rotterdam South



Western Migration Background

Source: CBS, Adapted by the Author

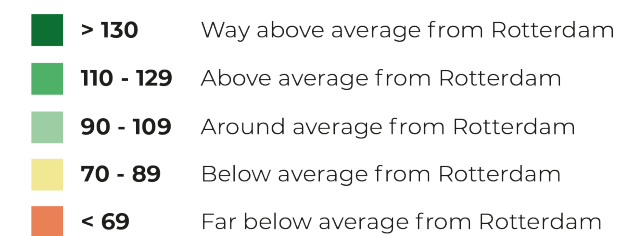
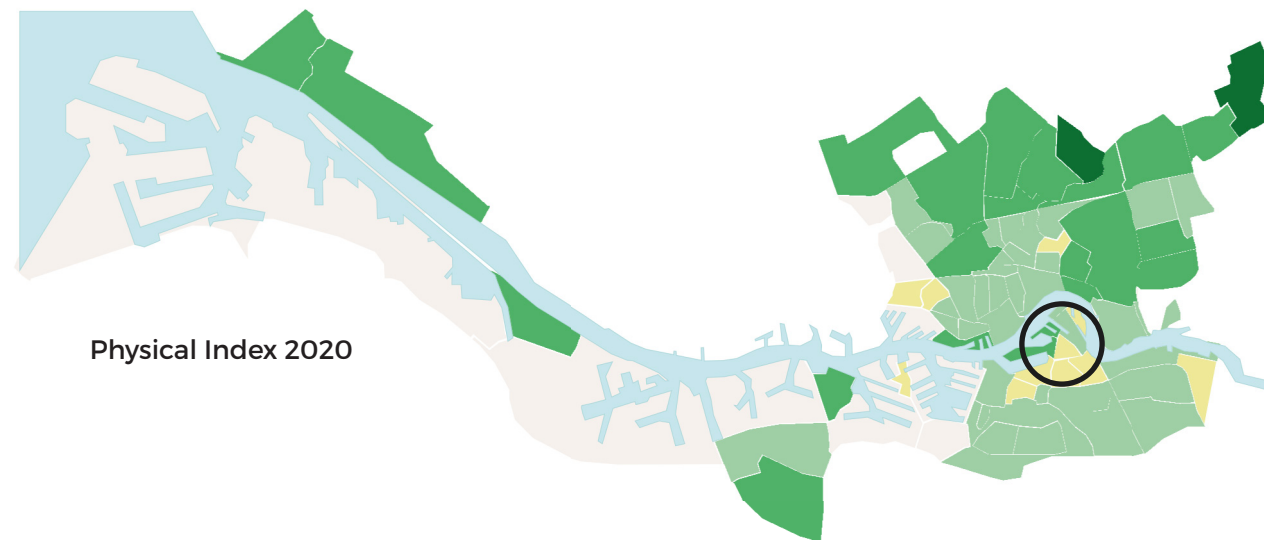


Non - Western Migration Background

Source: CBS, Adapted by the Author

Problem Analysis

Rotterdam South

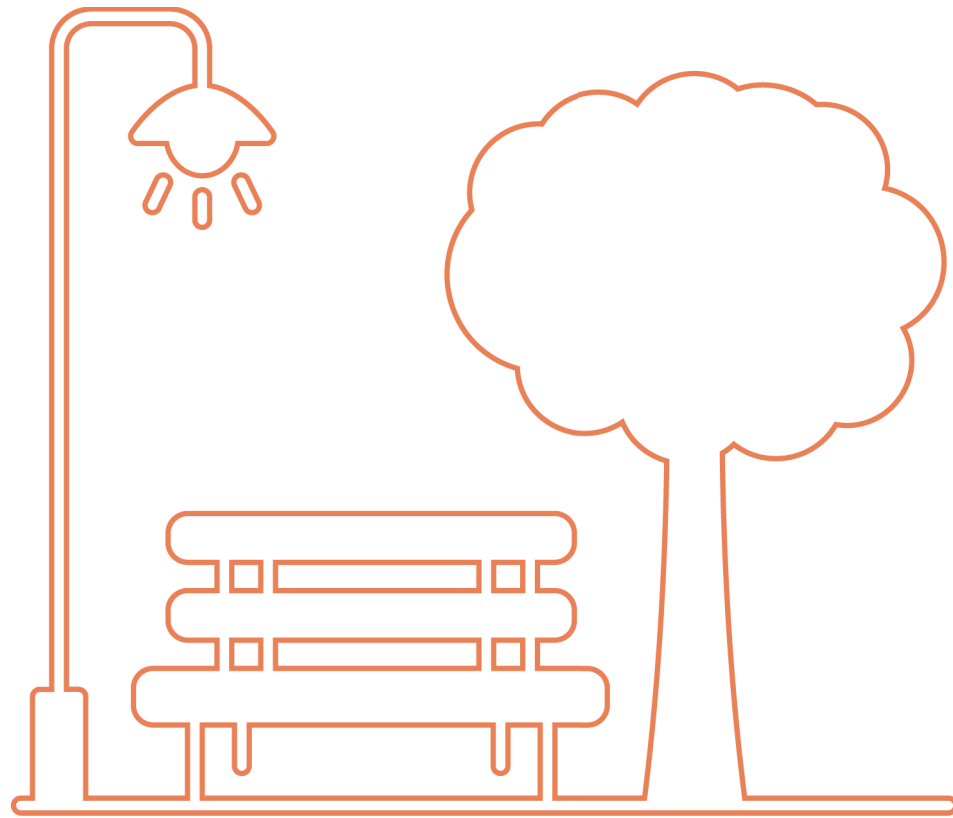


Index Scores of Rotterdam

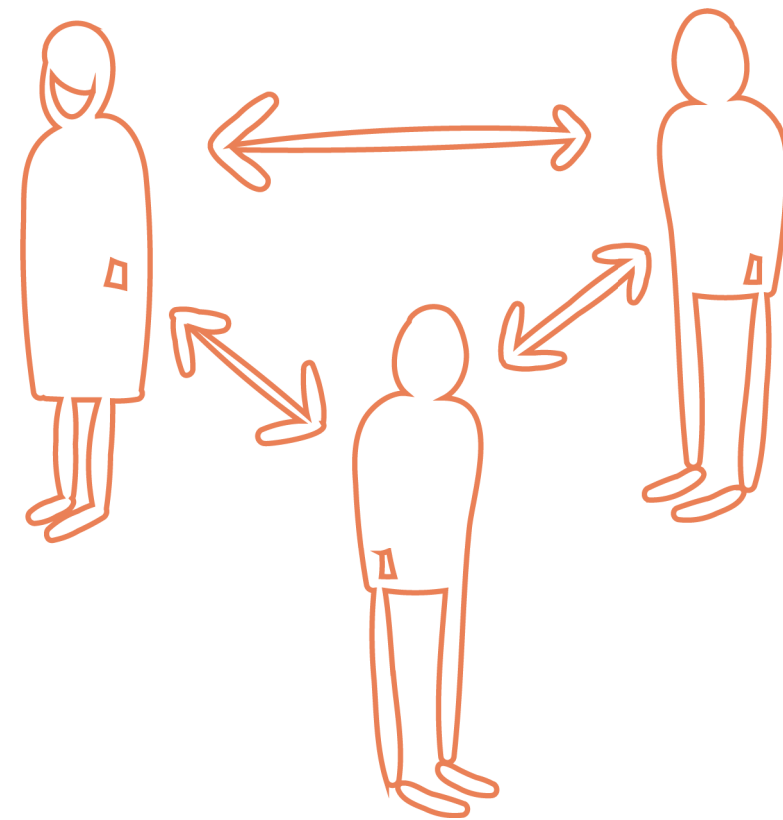
Source: <https://wijkprofiel.rotterdam.nl>; Adapted by the Author

Problem Analysis

Challenges



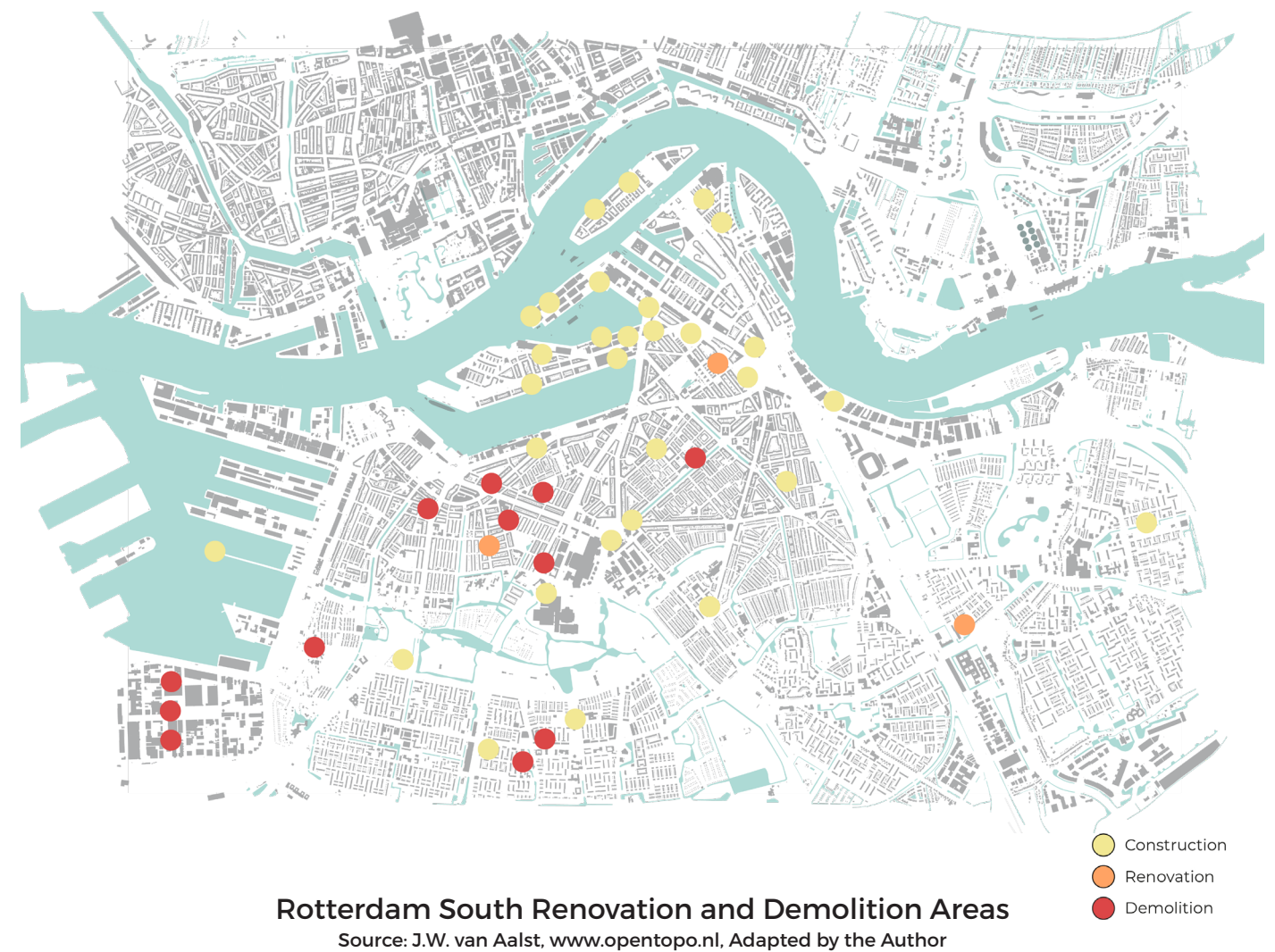
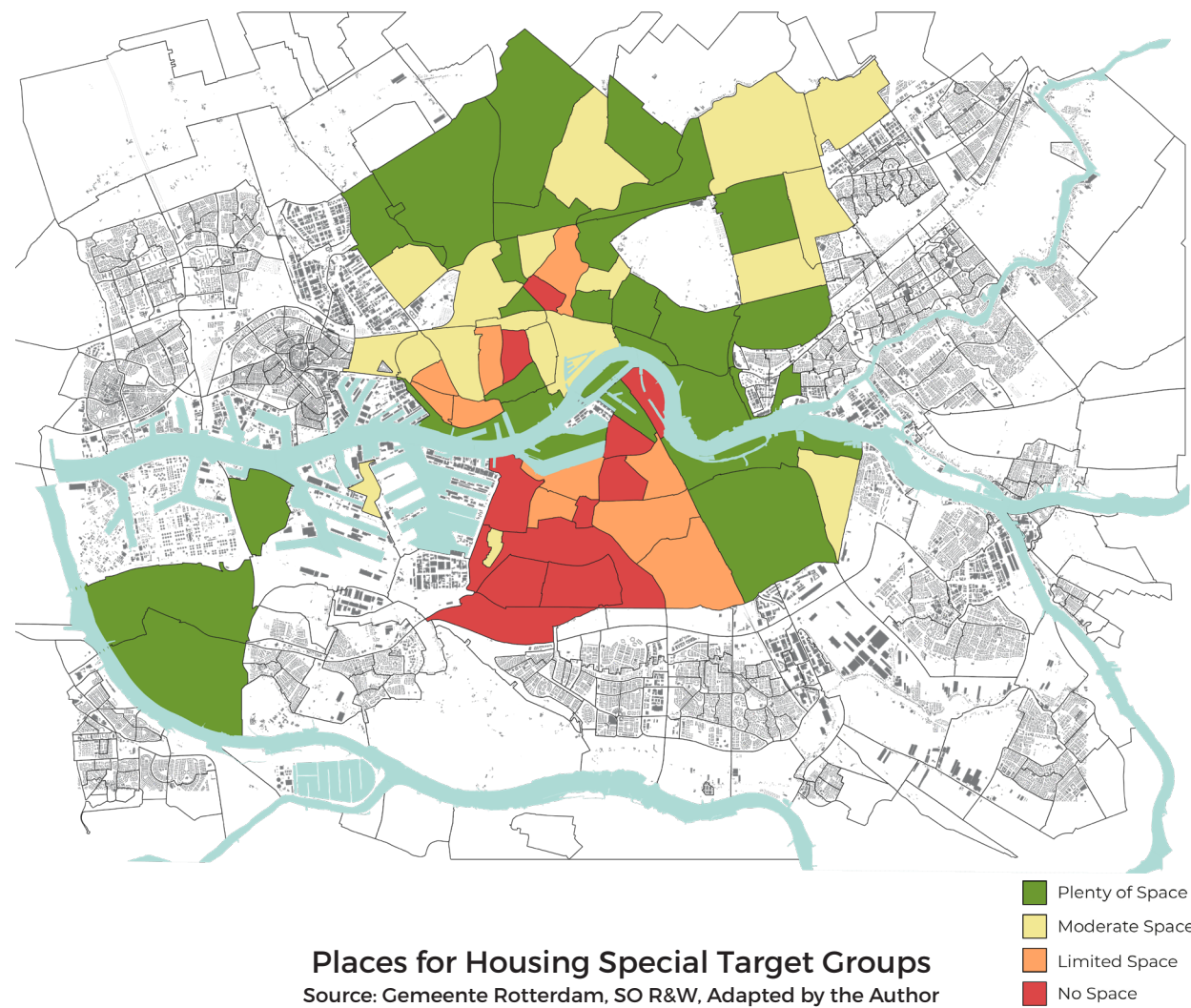
Spatial



Social

Problem Analysis

An Area Under Transformation



Problem Analysis

People's Reaction

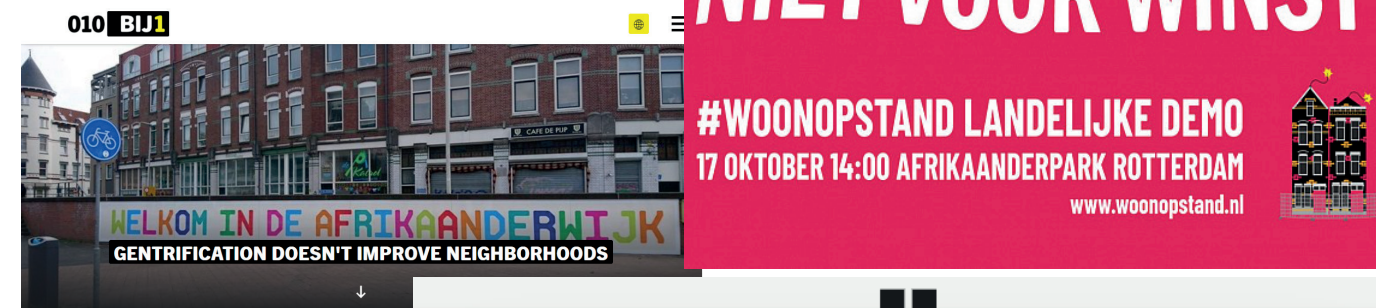


People Protesting Against the Housing Policy

Source: www.woonbond.nl

In South, policy is lagging behind most

The National Program Rotterdam South (NPRZ) can hardly keep up with the new Rotterdam. The demolition plans are becoming more expensive, the housing shortage is increasing, but the program that South has to upgrade is getting stuck in the time of 'bad lists'.



Housing corporations demolish social housing or renovate them in such a way the original owners can no longer afford it.



Rotterdamers join forces for better housing policy

March 8, 2021

Resident groups from various demolition and renovation neighborhoods and other concerned Rotterdamers have united to work together for a better housing policy in Rotterdam in the coming period. On Sunday 7 March, the 'Right to the city' initiative was launched during a well-attended meeting in the Afrikaanderpark.

RECHT OP DE STAD **Doordenkavonden*

Headlines and Posters against Gentrification in Rotterdam South

Source: www.woonbond.nl, www.rechtopdestad.nl, www.versbeton.nl



*We have to get out. I don't know exactly when.
And to be honest, I don't know why either.*

David (29)

Evacuated Tweebosbuurt
Source: www.ad.nl



It seems that we demolish for the sake of demolishing. We have to go from there.

Chantal Zeegers, candidate party leader D66

Demolished Building Block in Tweekbosbuurt
Source: www.google.nl/maps

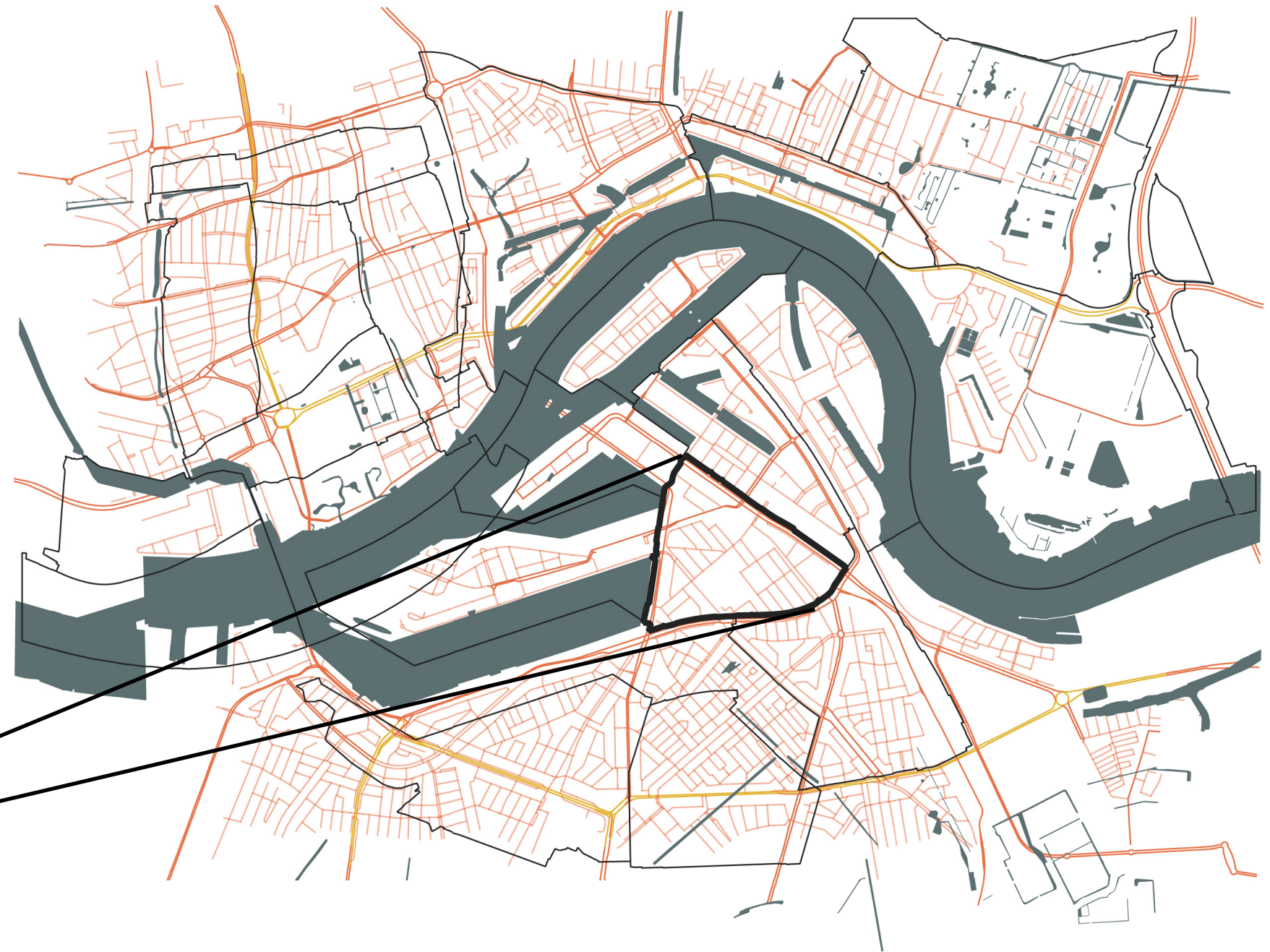
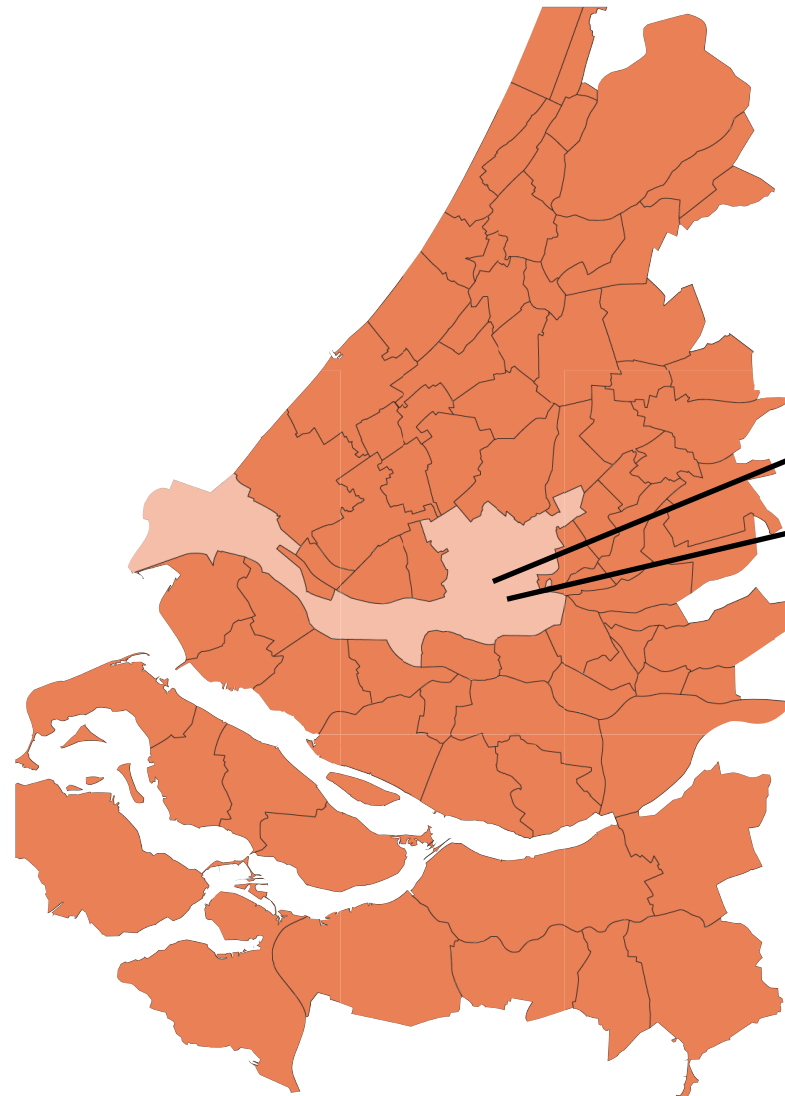


Official Proposal for the Demolished Area
Source: www.a3architecten.com



Proposal for the Demolished Area
Source: Author

Afrikaanderwijk

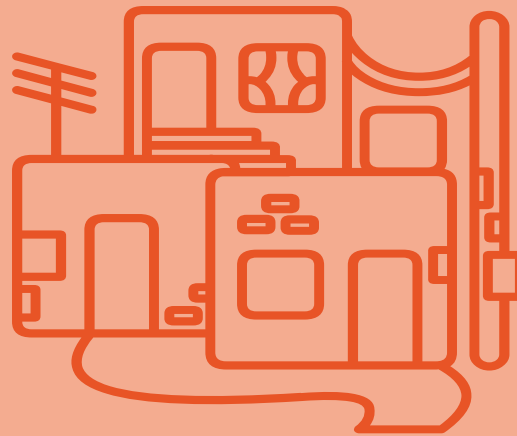


85% migratory background
35% younger than 23 years
37% below poverty index (11% in NL)
56% social security unemployed
84% rent social housing

Rotterdam Zuid and Afrikaanderwijk
Source: Generated with QGIS, by the Author



Segregation



Deprivation



Gentrification

Afrikaanderwijk

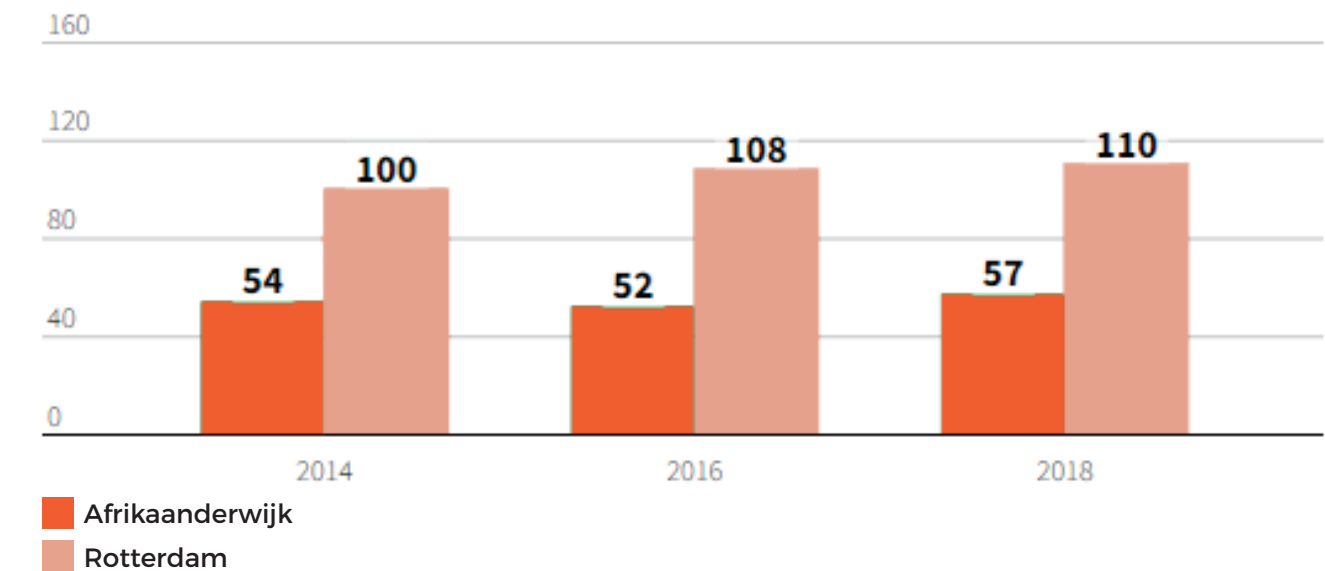
Socio - Spatial Characteristics



Multicultural Afrikaanderwijk

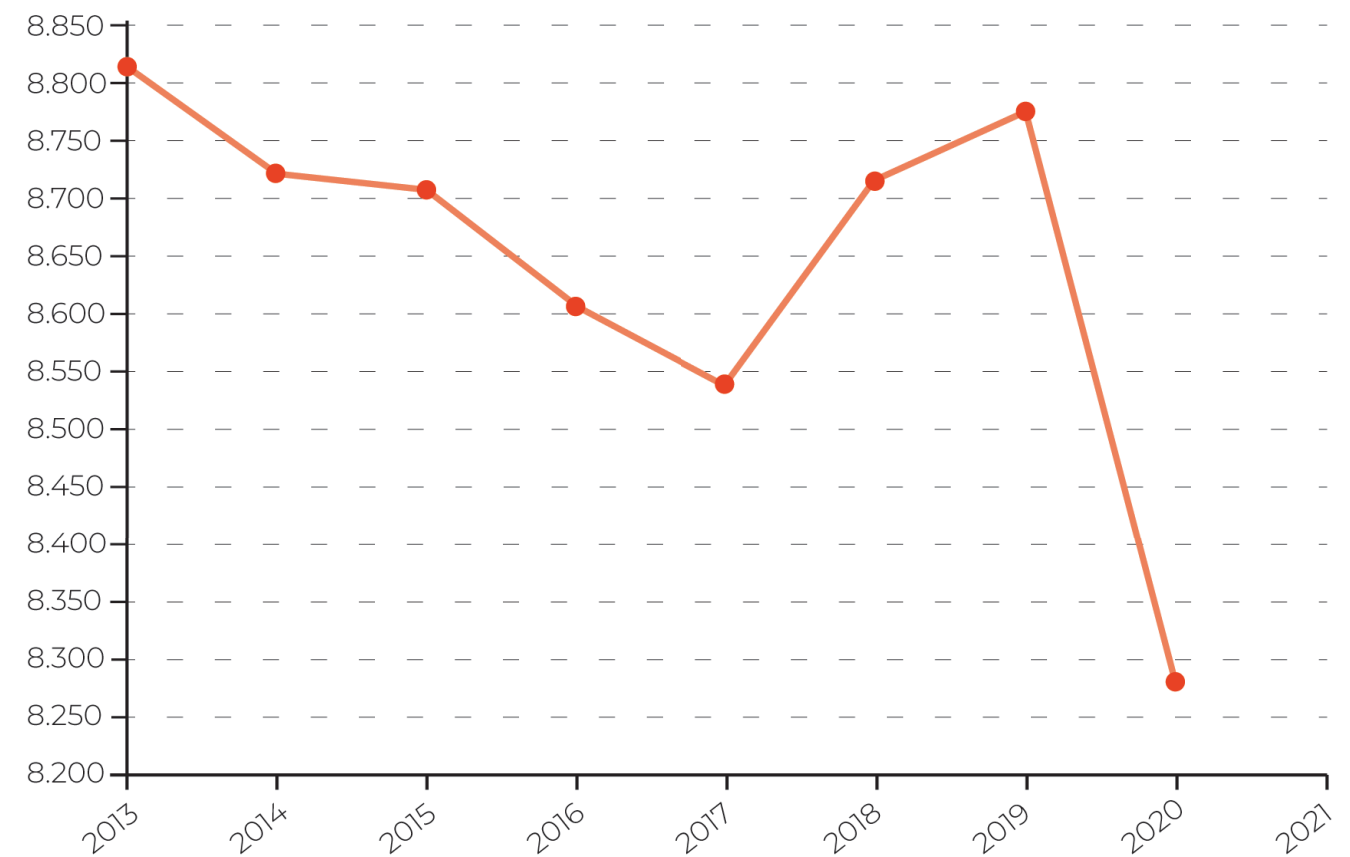
Source: www.versbeton.nl

Satisfaction for Own Neighbourhood

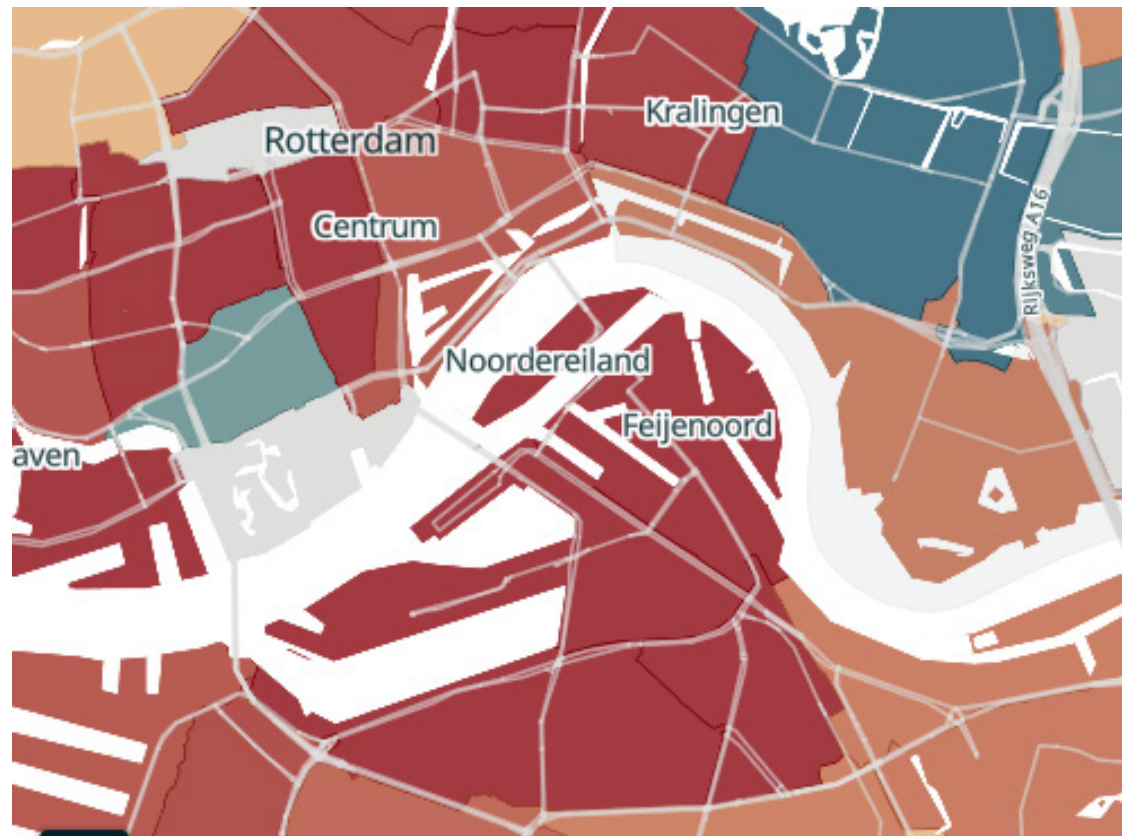


Source: www.allecijfers.nl; Adapted by the Author

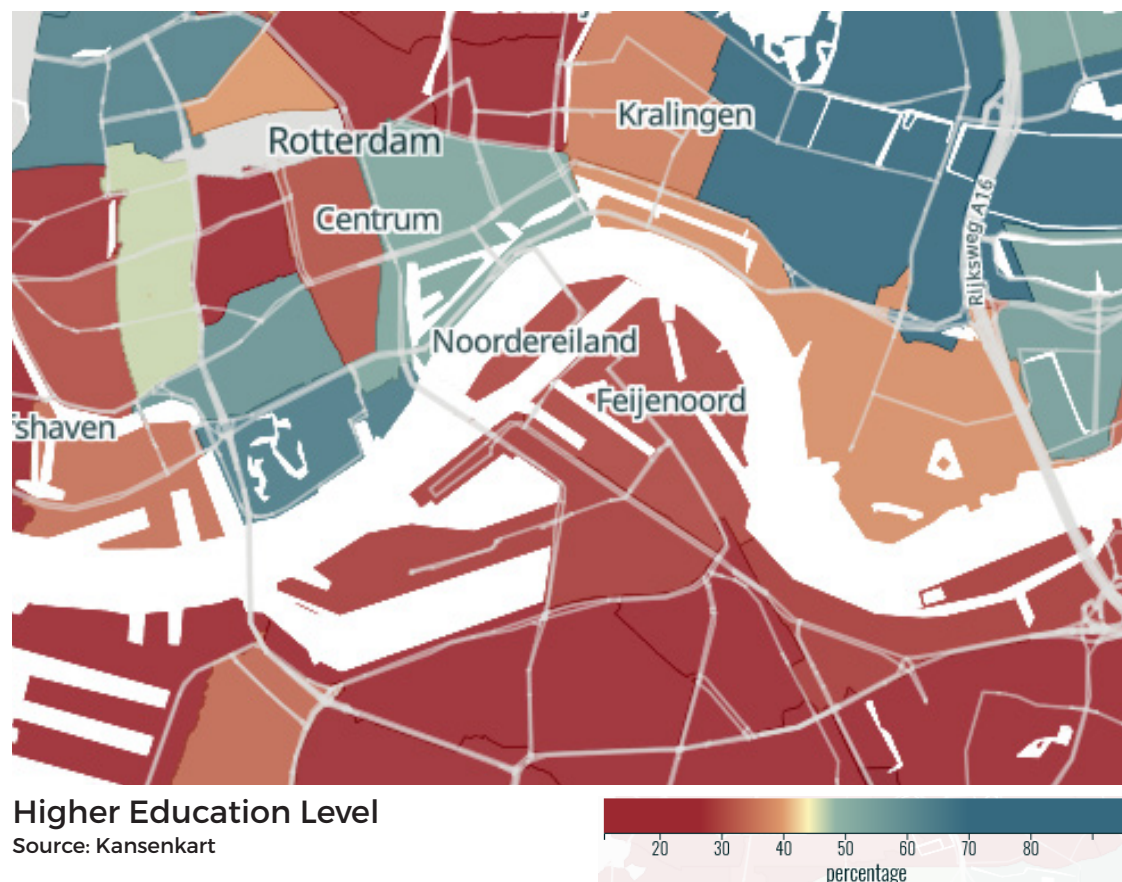
Population Numbers per Year



Source: www.allecijfers.nl; Adapted by the Author



Income Level of Residents in their 30s
Source: Kansenkart



Higher Education Level
Source: Kansenkart



Source: www.versbeton.nl



Afrikaanderplein
Source: www.putkast.nl



"For a long time they thought on the other side of the Maas that there was nothing to do here. South is synonymous with ugliness, with impoverishment."

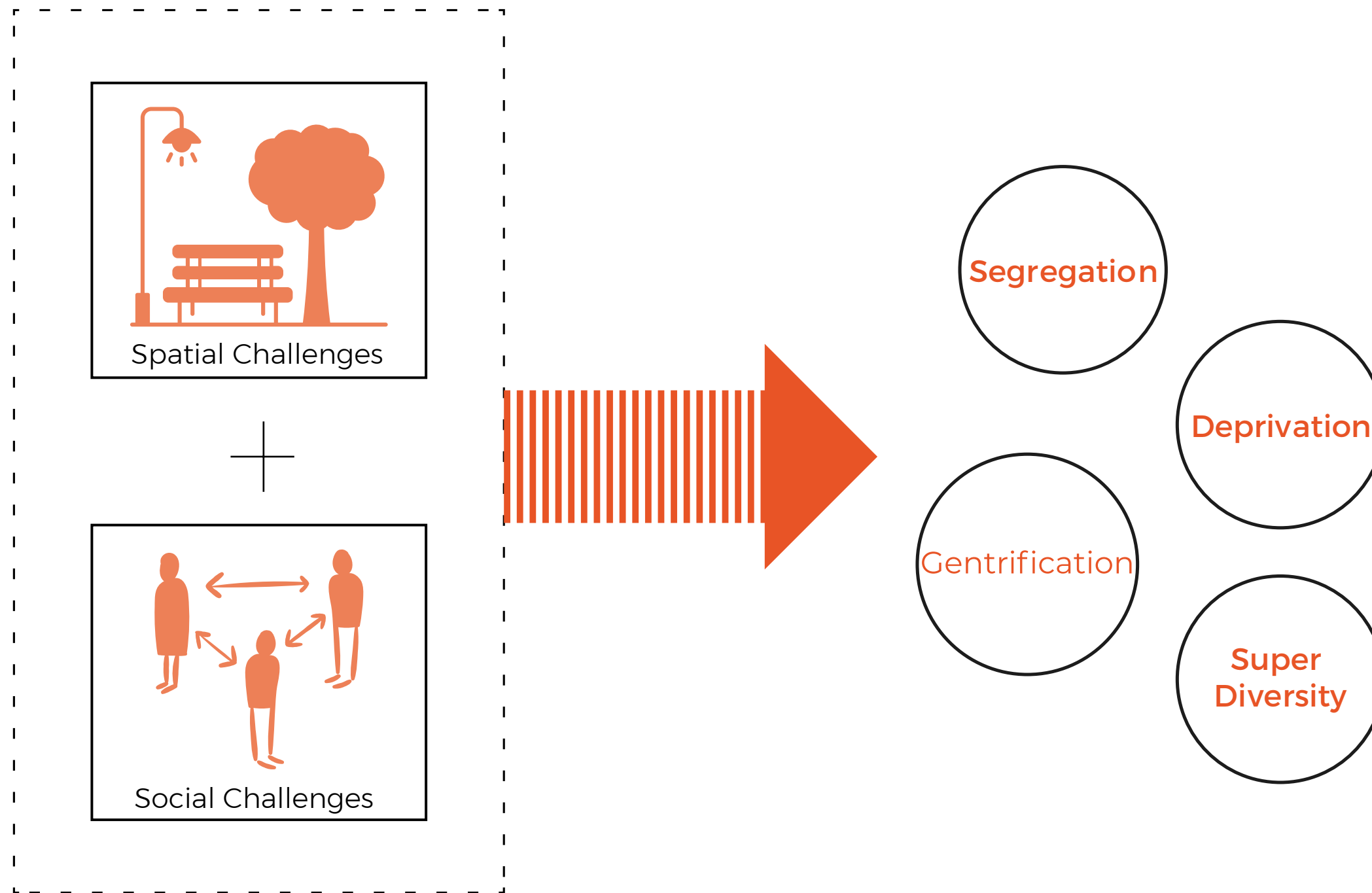
"Oh yes?" we answer. Why do you think the subway comes above ground here? Precisely! There's something to see here!"

Ed van der Ven, Afrikaanderwijk resident

Markt in Afrikaanderplein

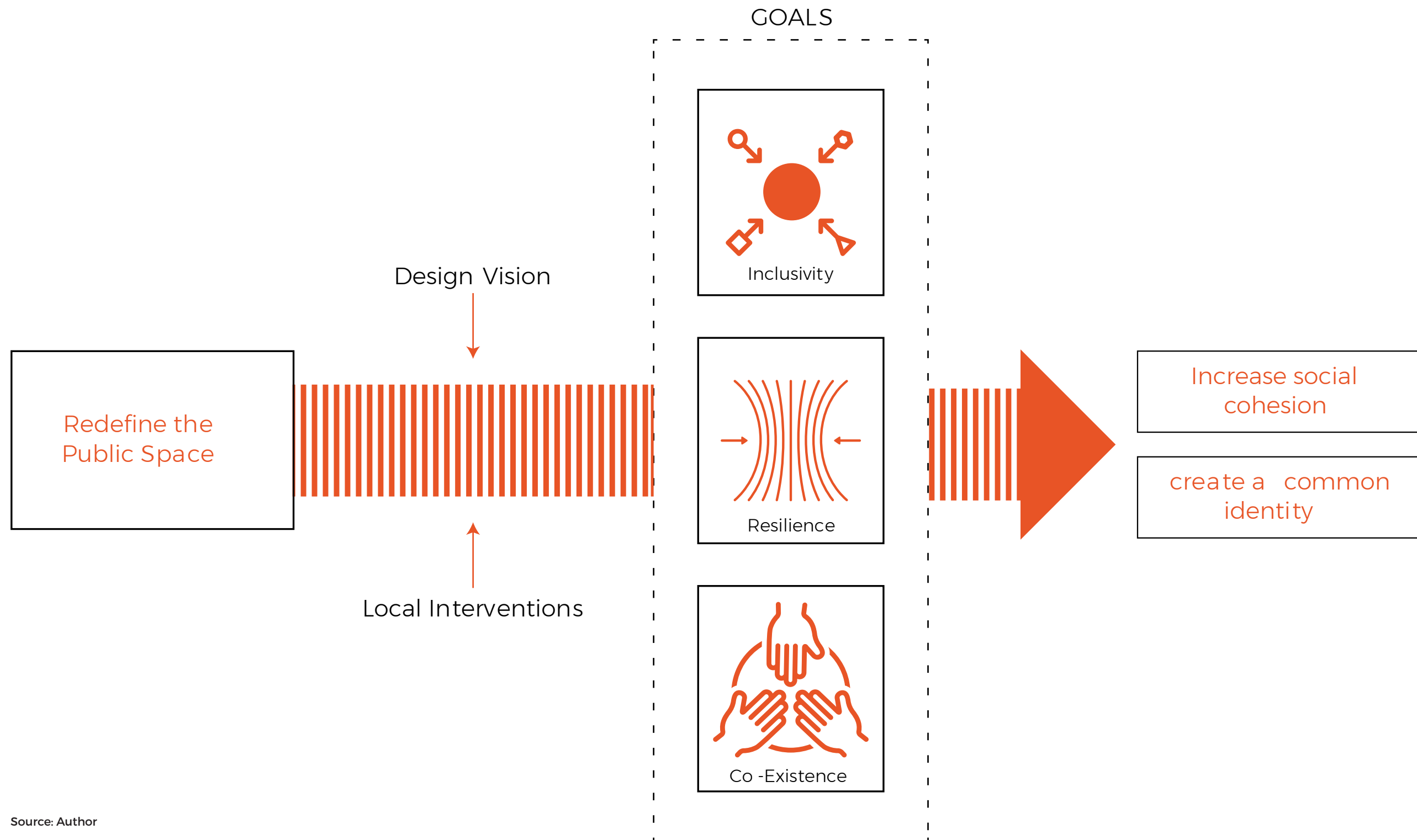
Source: Lutfi Uzun

Problem Statement



Source: Author

Research Aim

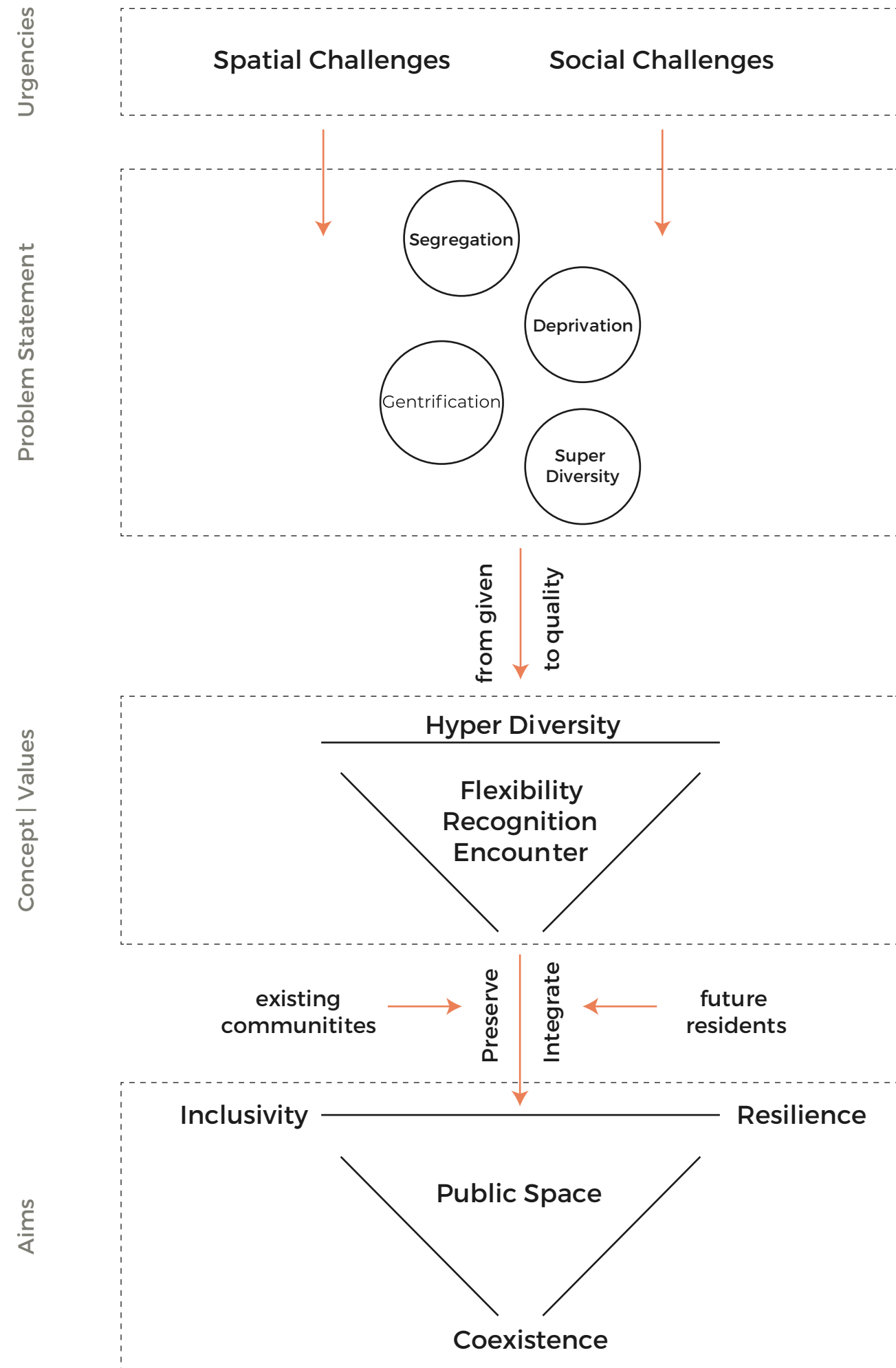


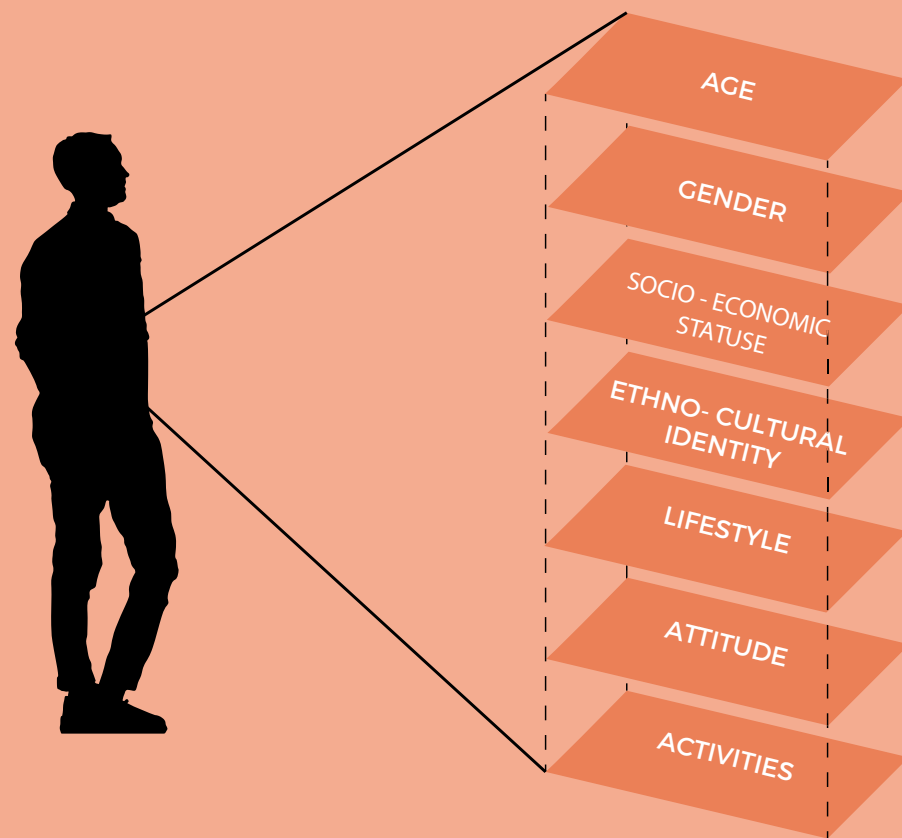
Research Question

To what extent can co - existence be ensured through inclusive spatial interventions in the public space, in the hyper - diverse and socio - spatially segregated neighbourhood of Afrikaanderwijk?

Theory and Concepts

Conceptual Framework



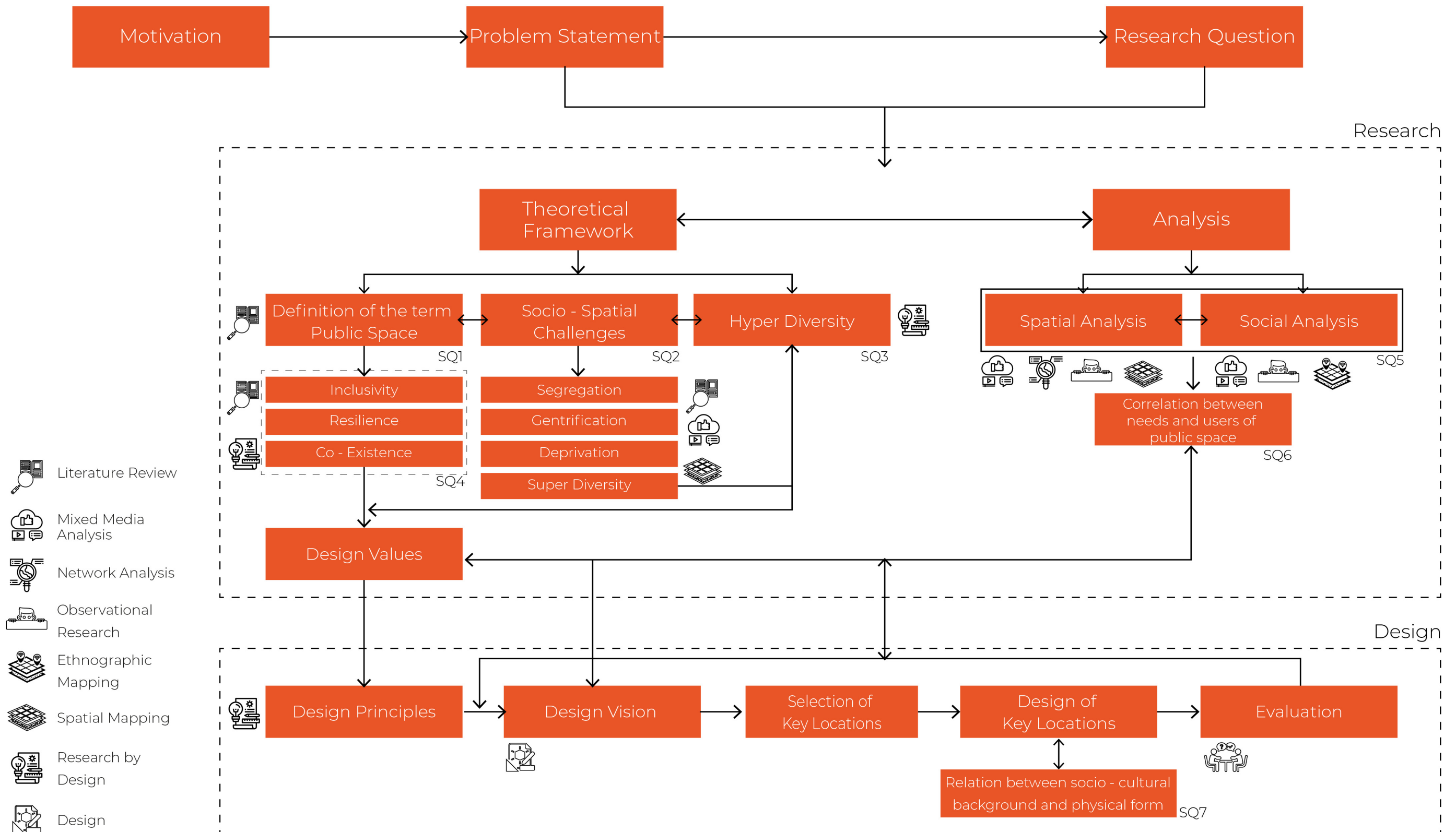


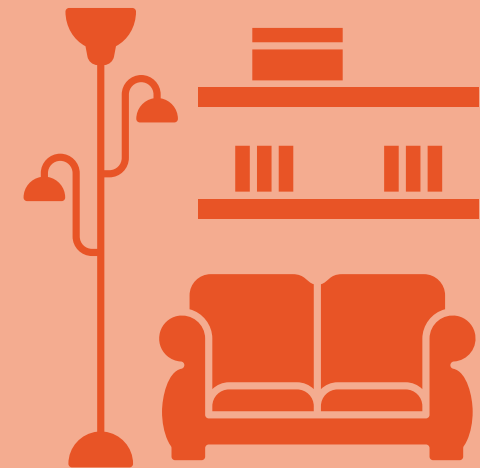
“While Super Diversity emphasizes a greater degree of diversity of ethnicity between and within demographic groups, Hyper Diversity further refines this concept to incorporate the complexity of lived experiences that transcends ethnic and cultural boundaries.”

Tasan Kok et al, 2013

Methodology

Methodological Framework





Public space is the space that people appropriate at large and where there is a common tendency for people to choose to be.

Spatial Analysis



Landuses
Source: Author



Connection and Mobility
Source: Author



Public Functions
Source: Author

Spatial Analysis



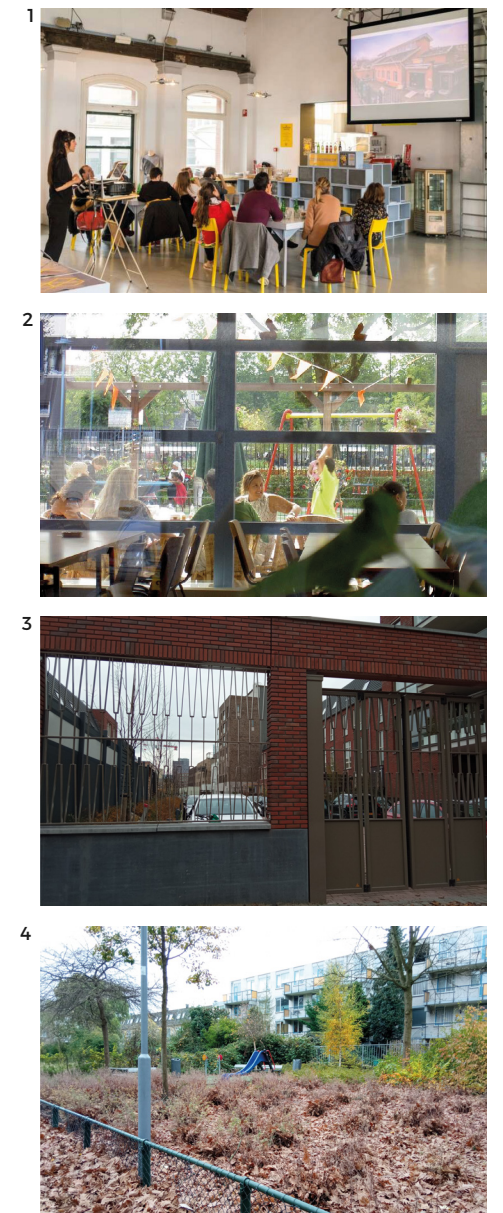
Outdoor Spaces and Furniture
Source: Author

- Playground
- Sports Field
- Park
- Grass
- Grass
- Buildings
- Water

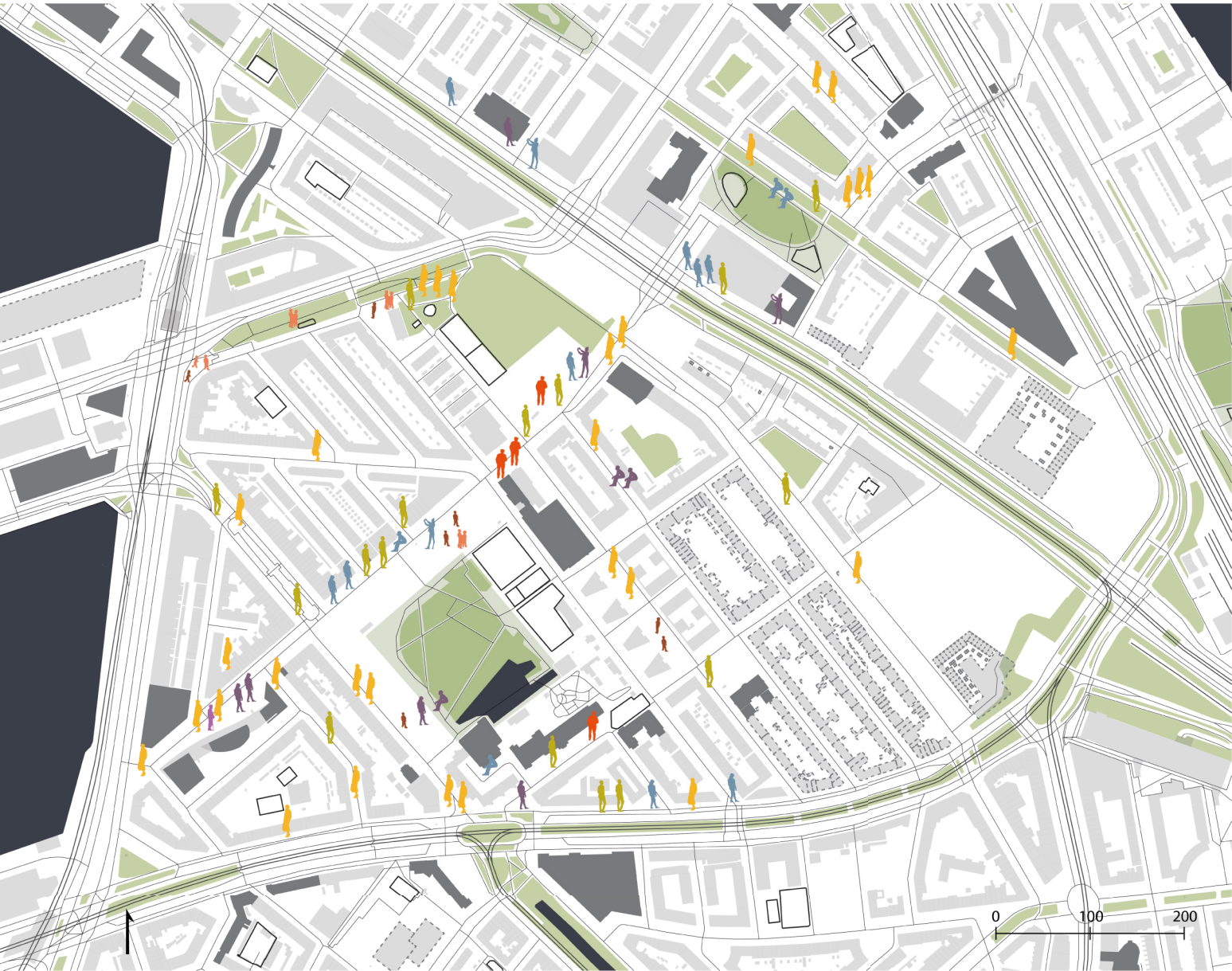


Courtyards and Indoor Spaces
Source: Author

- Community Centres
- Religion
- Cafes/ Restaurants
- Local Shops
- Education
- Indoor Sports Facilities
- Playgrounds
- Sports Fields
- Municipality/ Association Buildings
- Park
- Grass
- Buildings
- Water

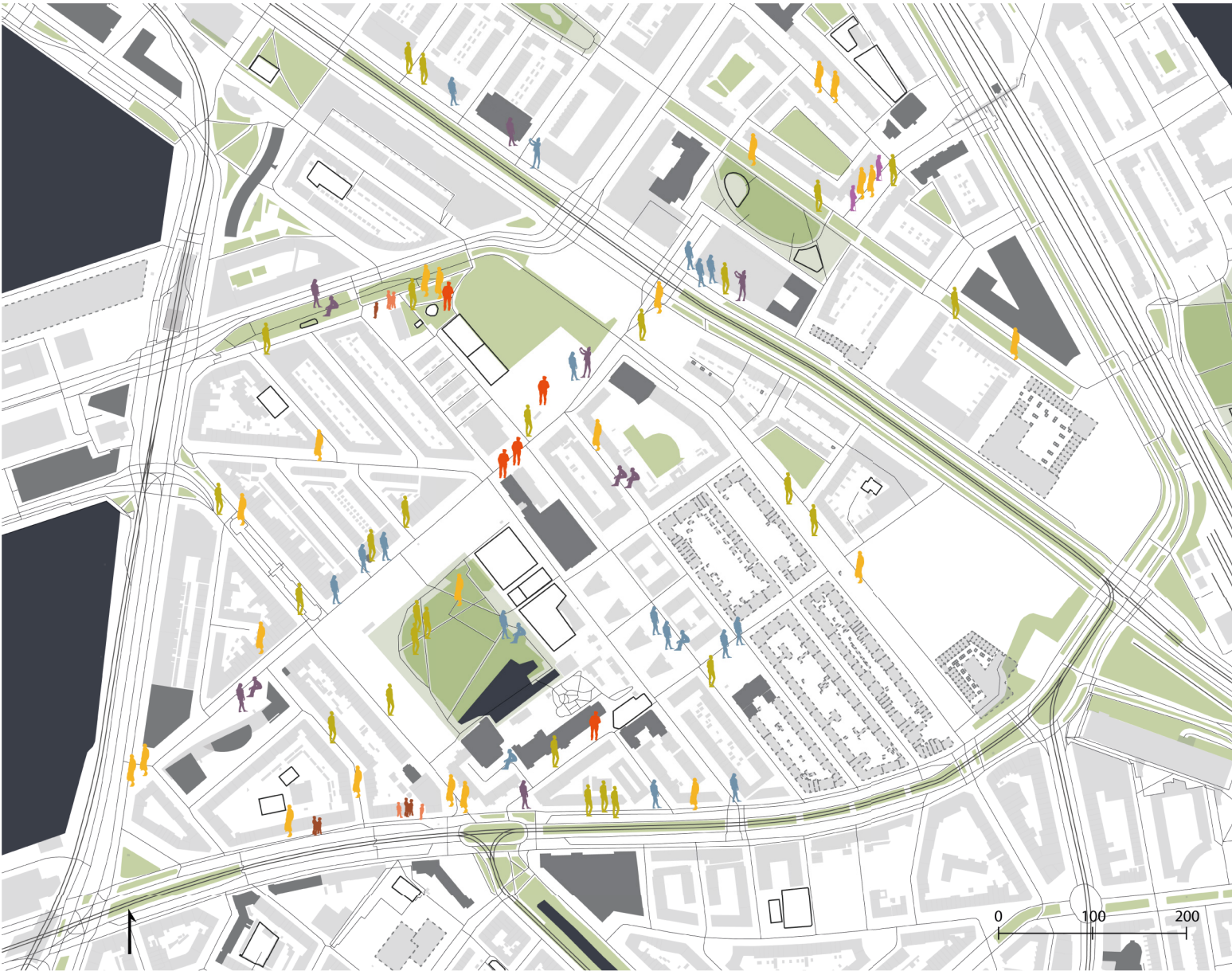


Social Analysis



Wednesday Noon Street Movement
Source: Author

- Construction
- Sports Field/ Playground
- Public Function
- Park
- Grass
- Buildings
- Water



Thursday Afternoon Street Movement
Source: Author

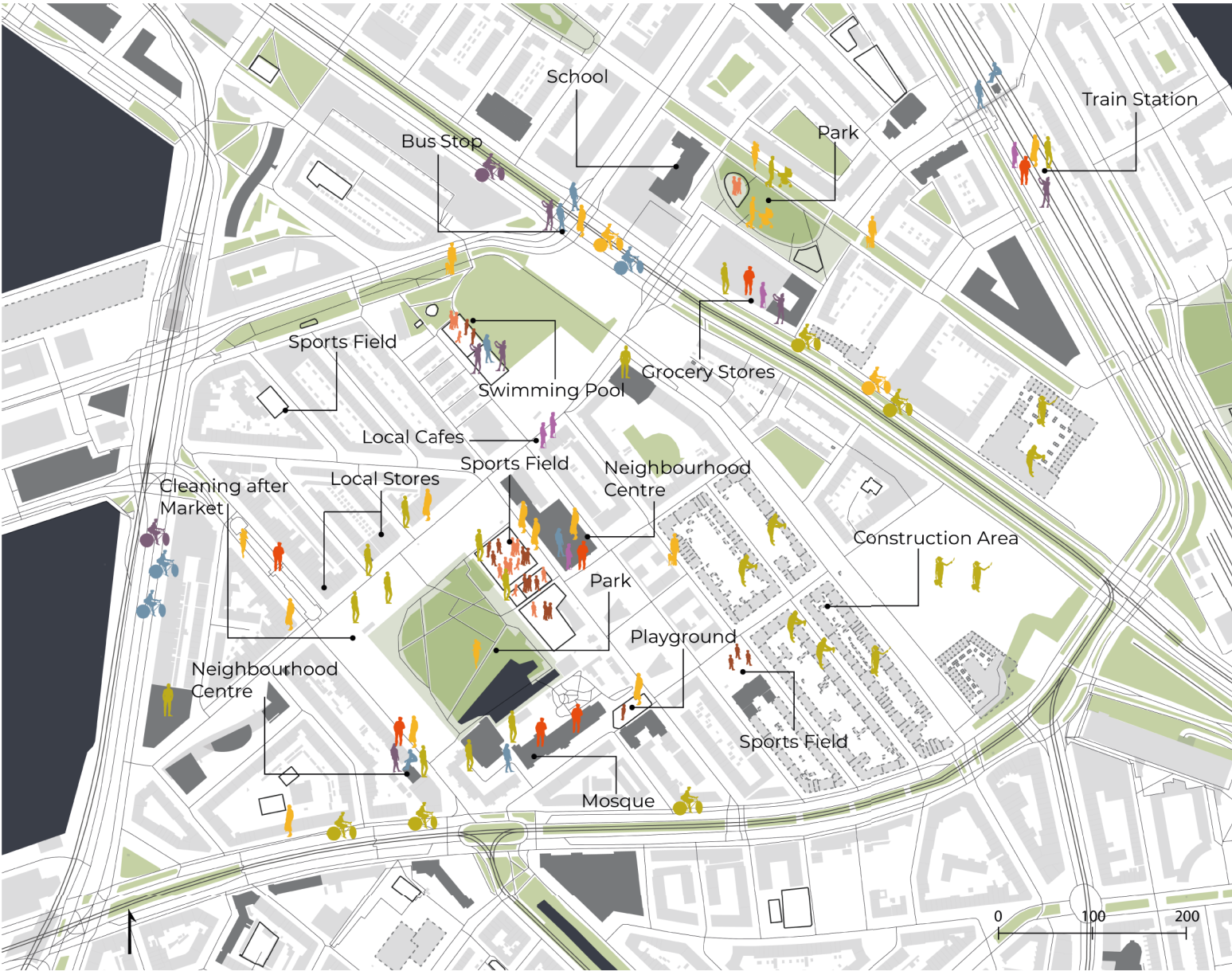
- Kids - Boys
- Kids - Girls
- Young People - Boys
- Young People - Girls
- Adults - Men
- Adults - Women
- Elderly - Men
- Elderly - Women

Social Analysis



Wednesday Noon Activities
Source: Author

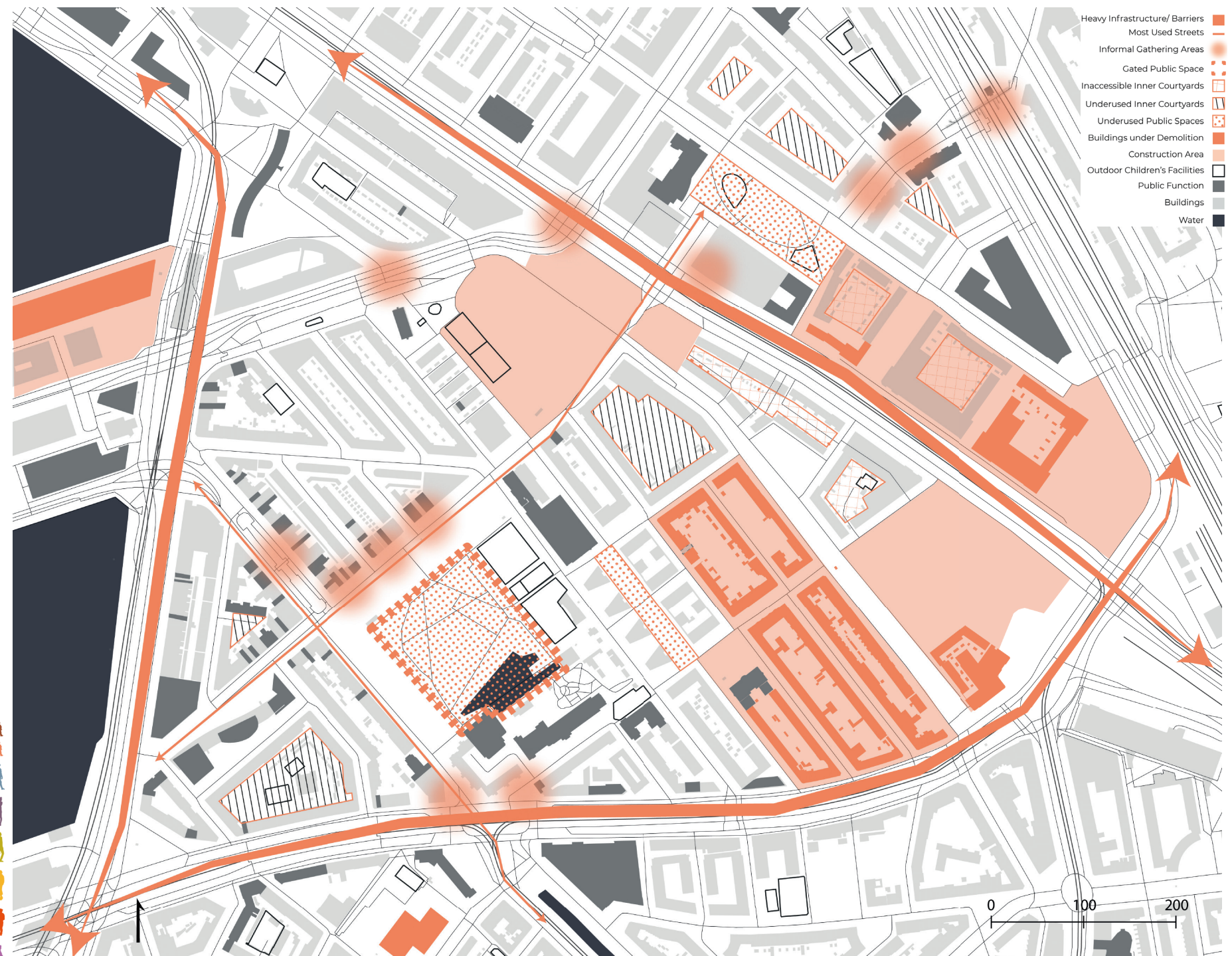
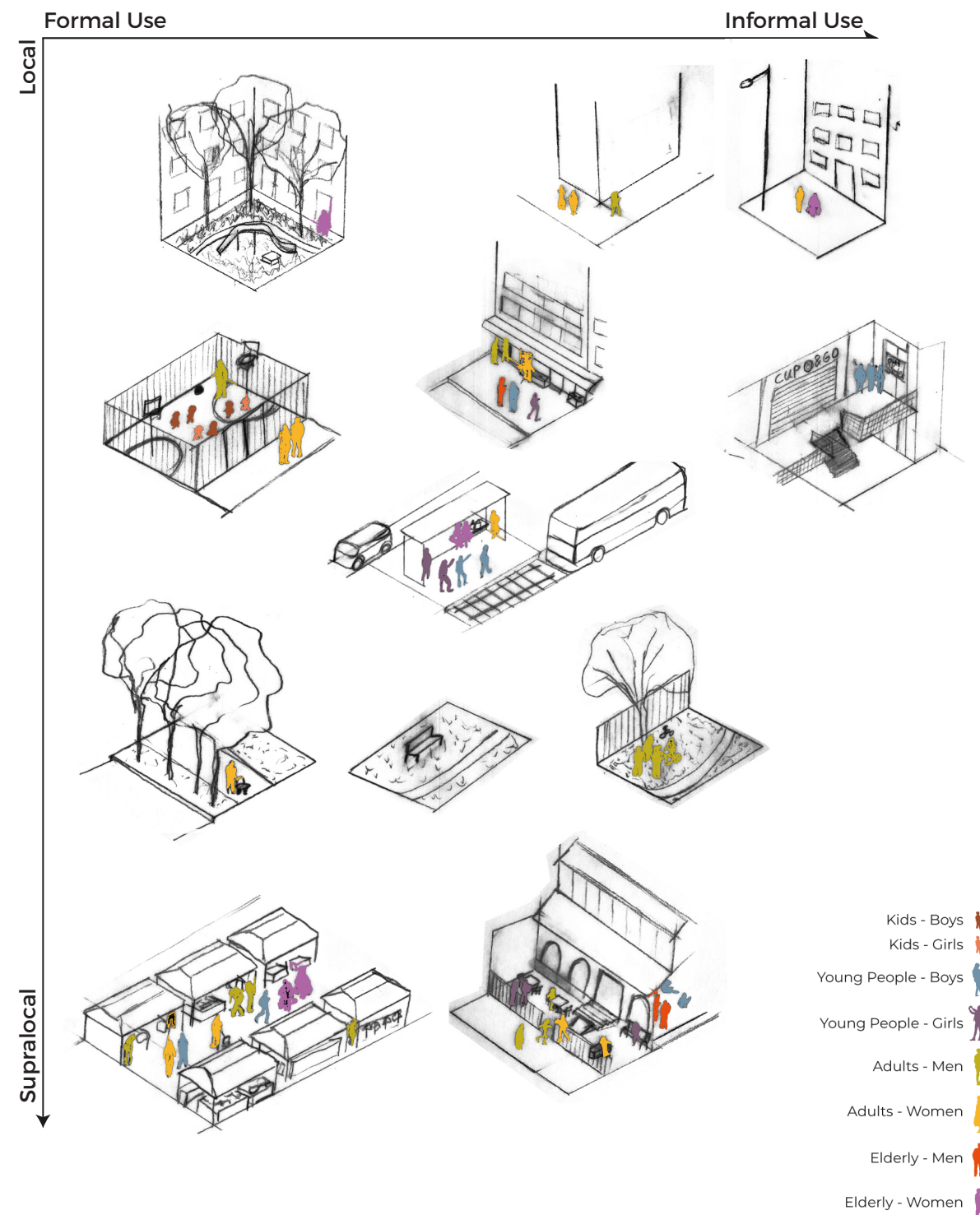
- Construction
- Sports Field/ Playground
- Public Function
- Park
- Grass
- Buildings
- Water



Thursday Afternoon Activities
Source: Author

- Kids - Boys
- Kids - Girls
- Young People - Boys
- Young People - Girls
- Adults - Men
- Adults - Women
- Elderly - Men
- Elderly - Women

Conclusions

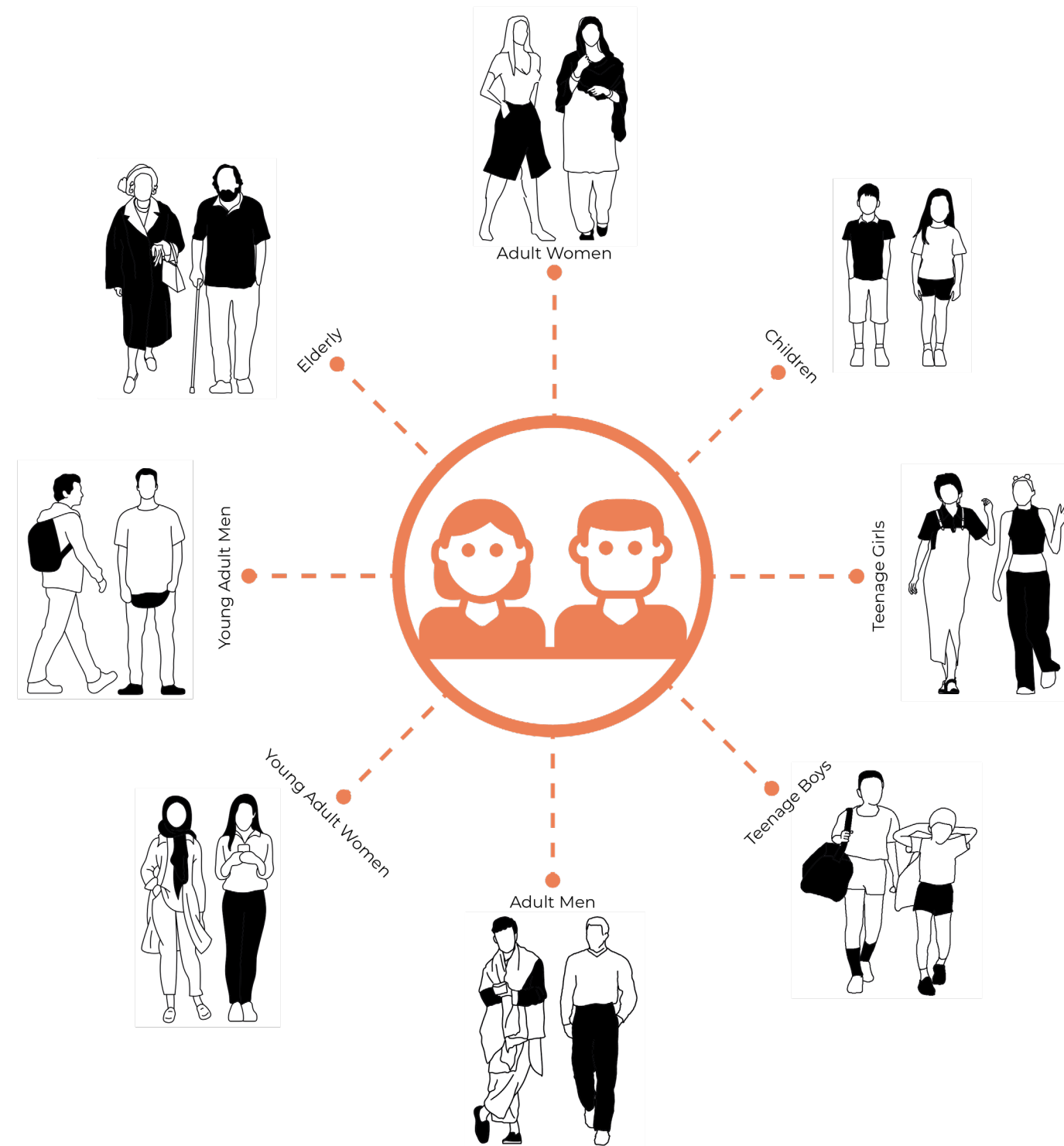


Socio - Spatial Challenges

Source: Author

Principles

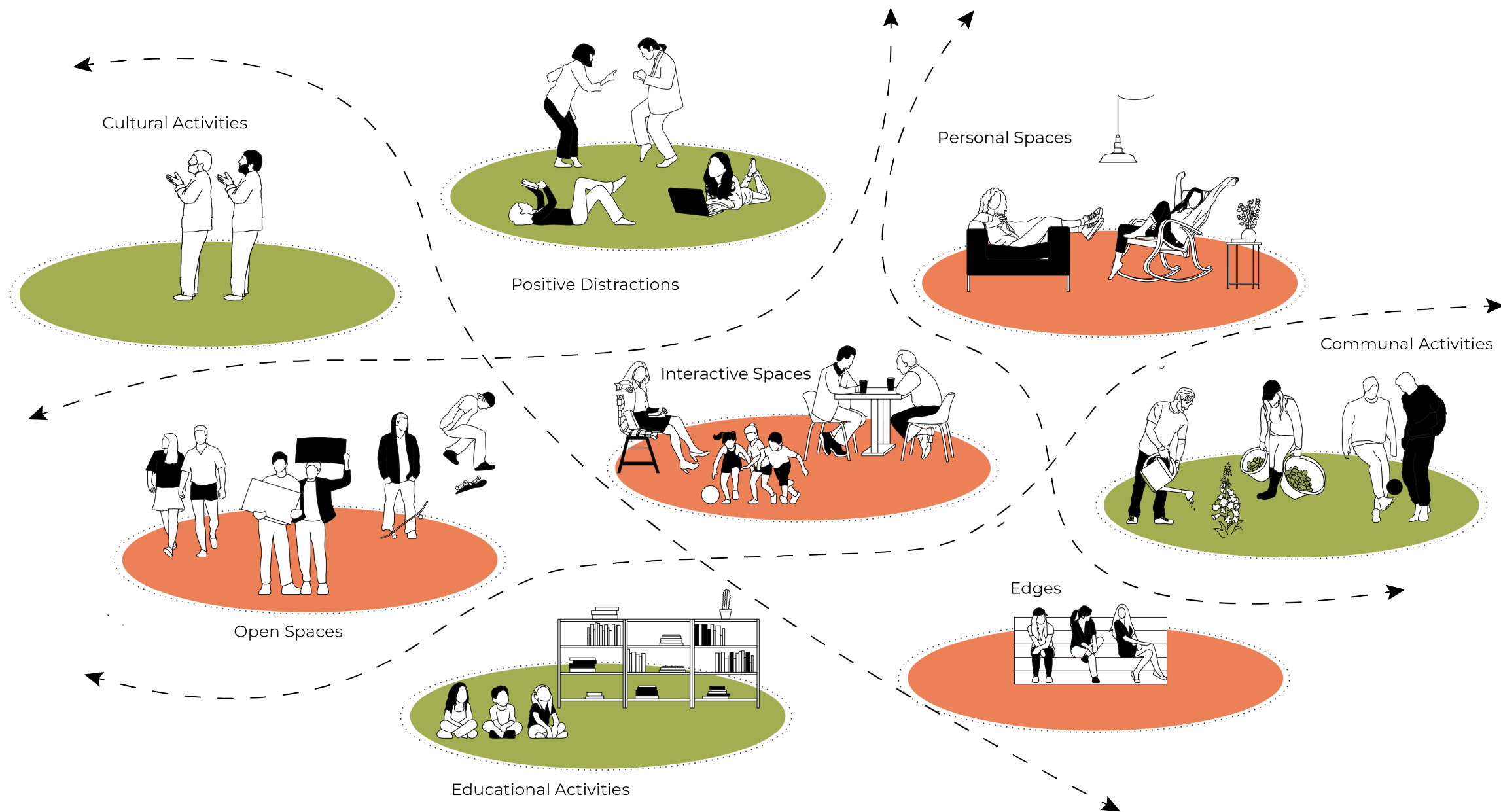
Identifying the Users and their Needs



Source: Author

Principles

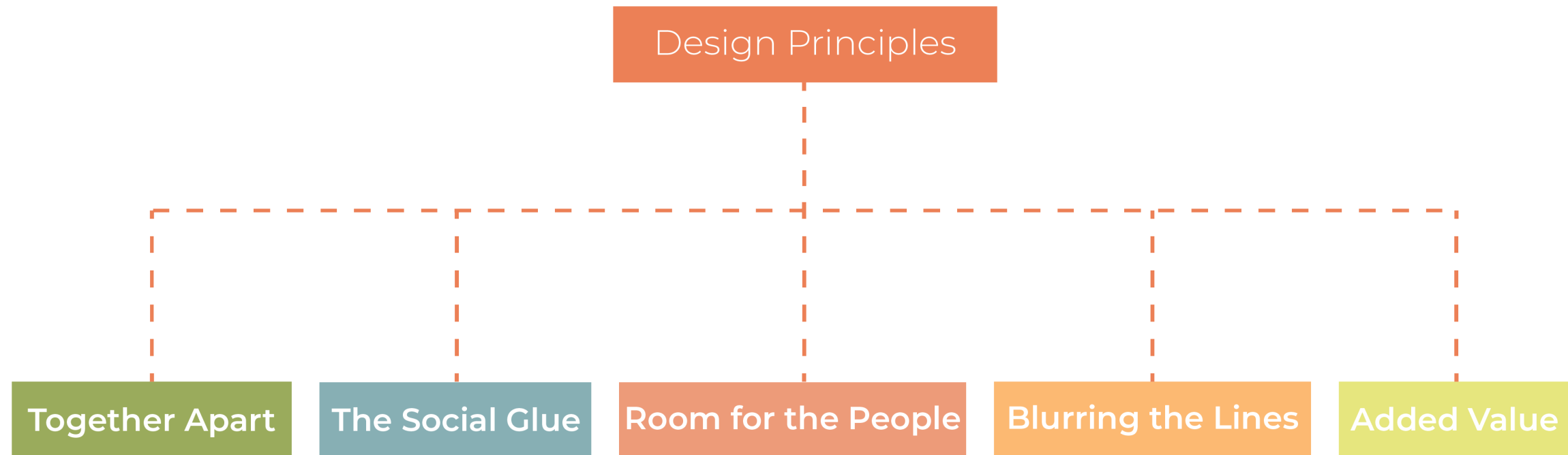
Identifying the Users and their Needs



Source: Author

Principles

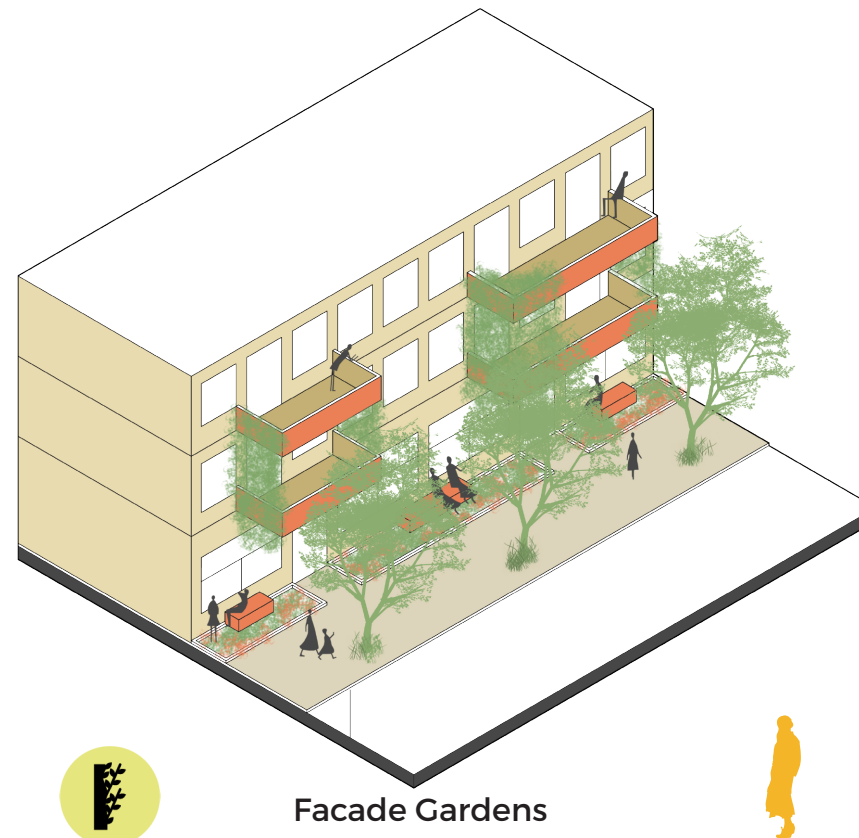
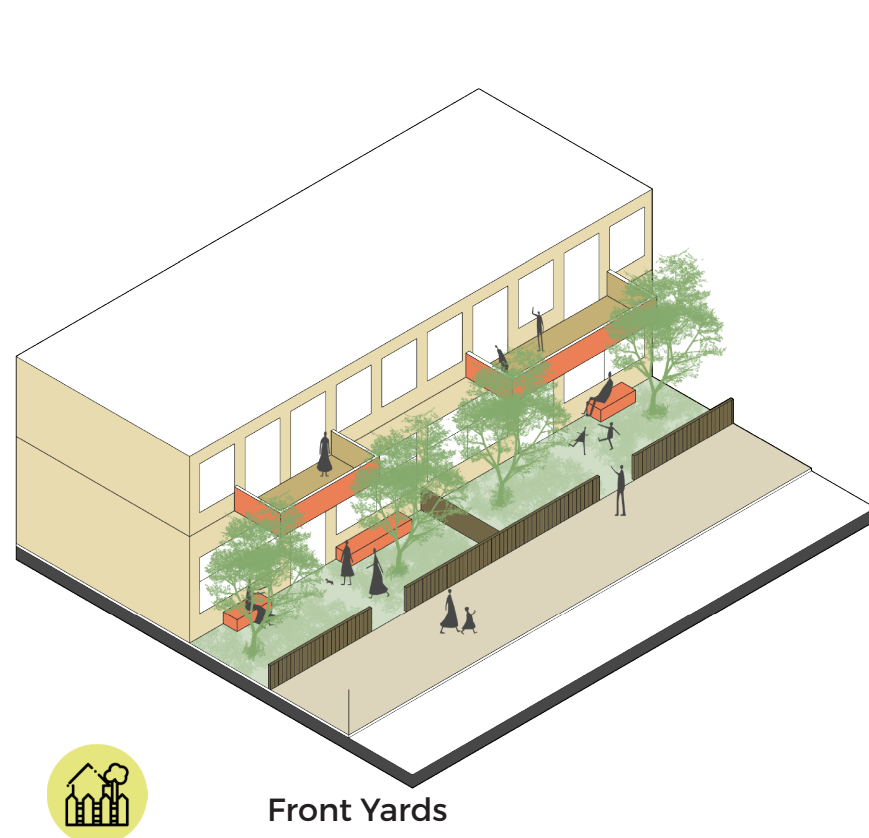
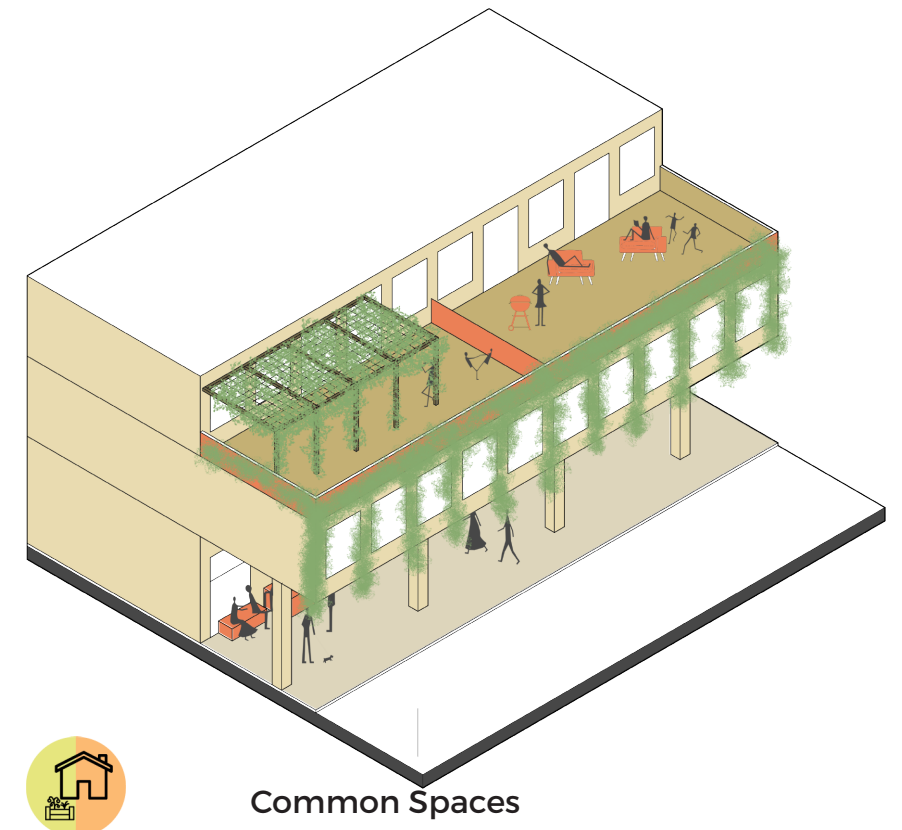
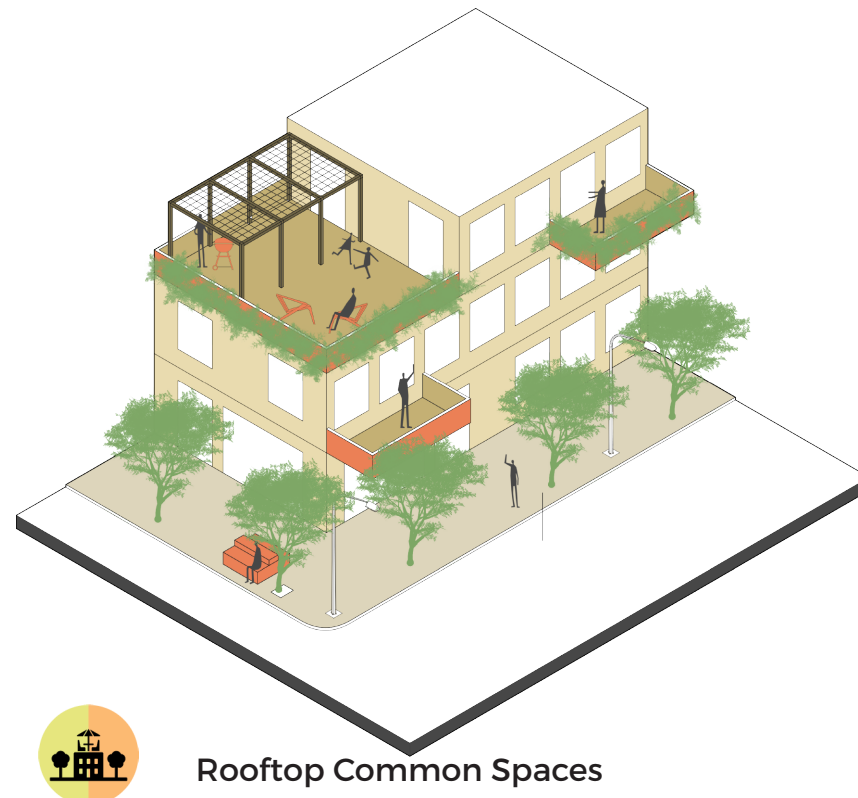
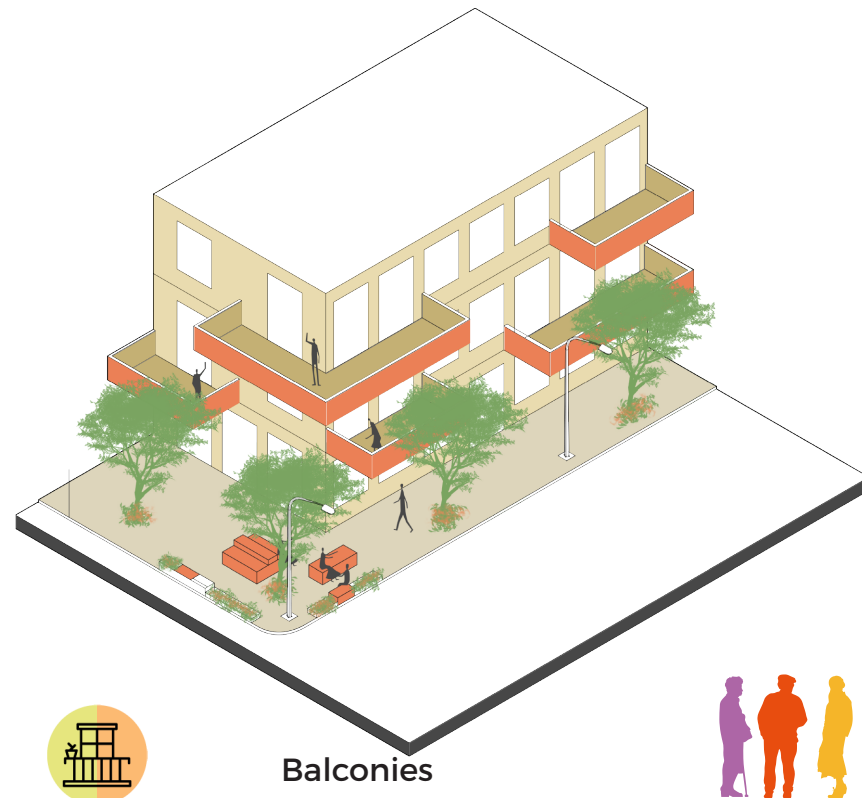
Design Principles



Source: Author

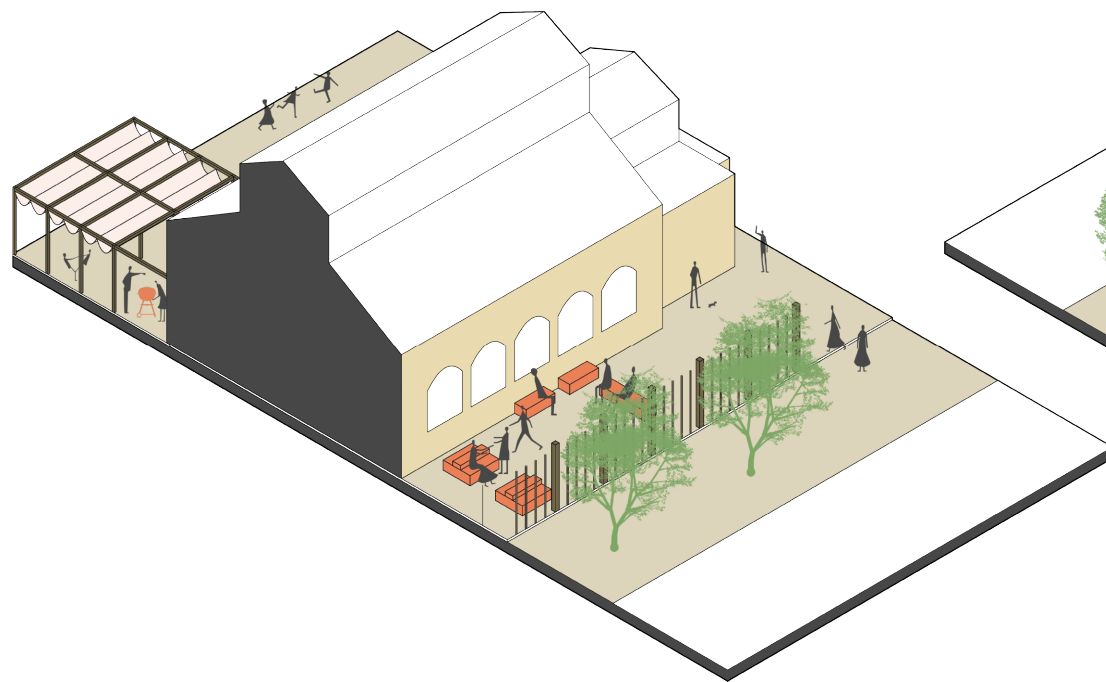
Principles

Residential Space

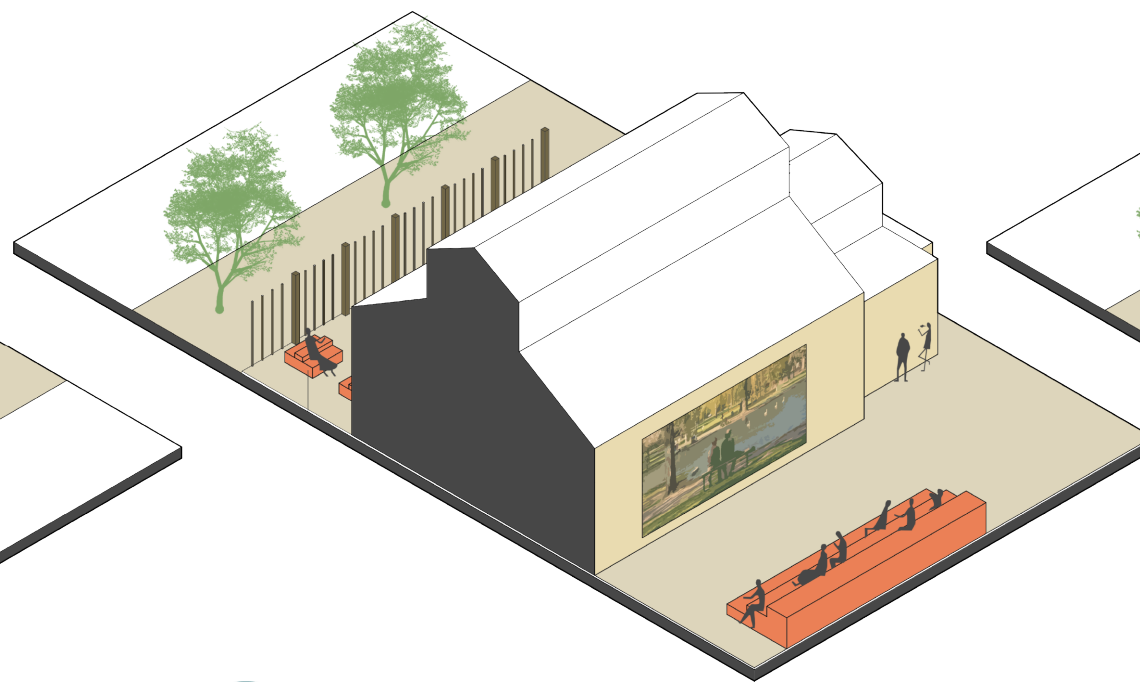


Principles

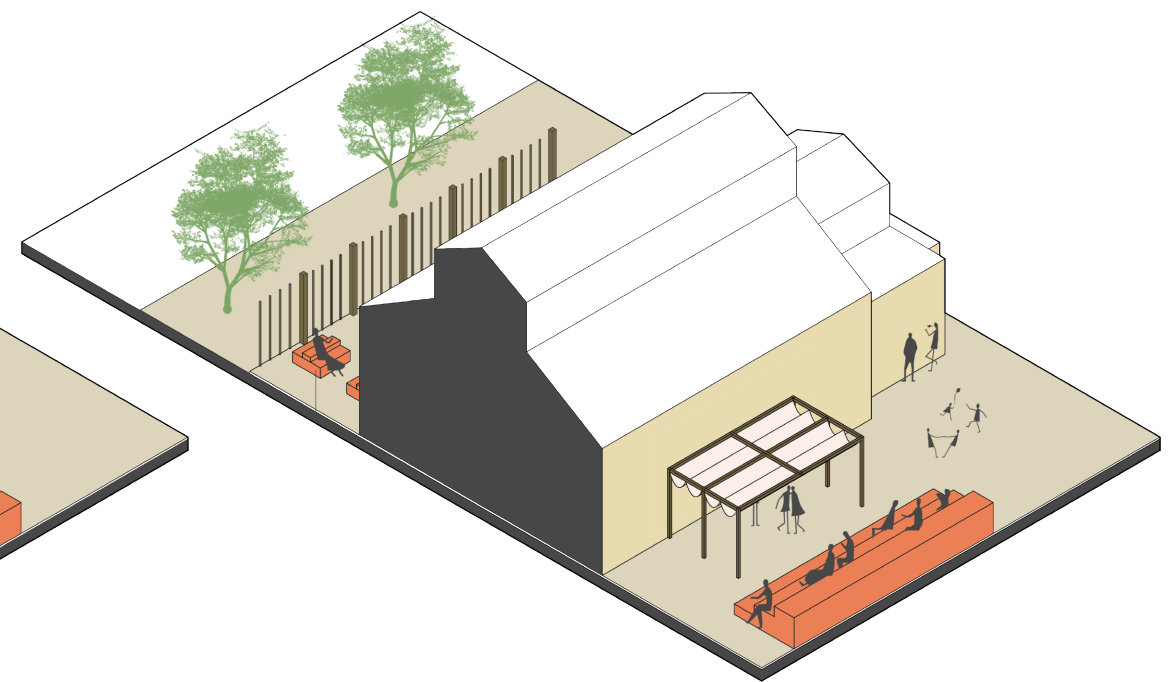
Communal Space



Gathering Spaces



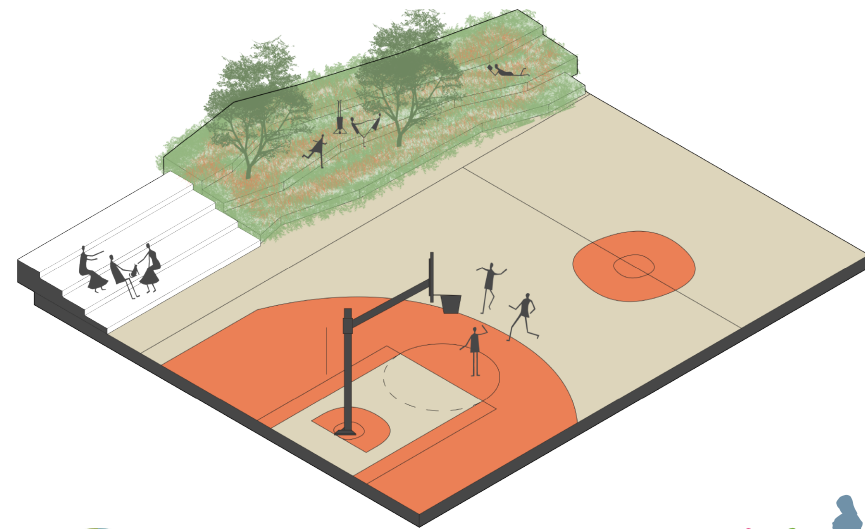
Open Air Cinema



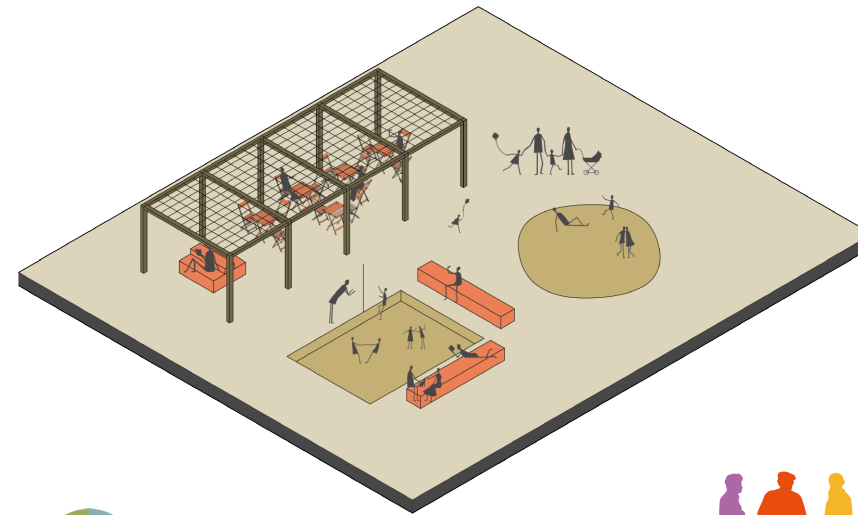
Cultural Events

Principles

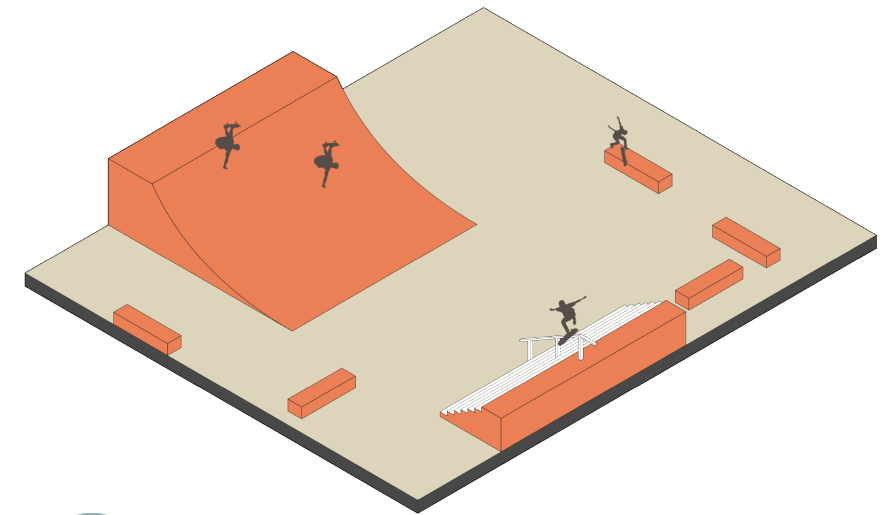
Communal Space



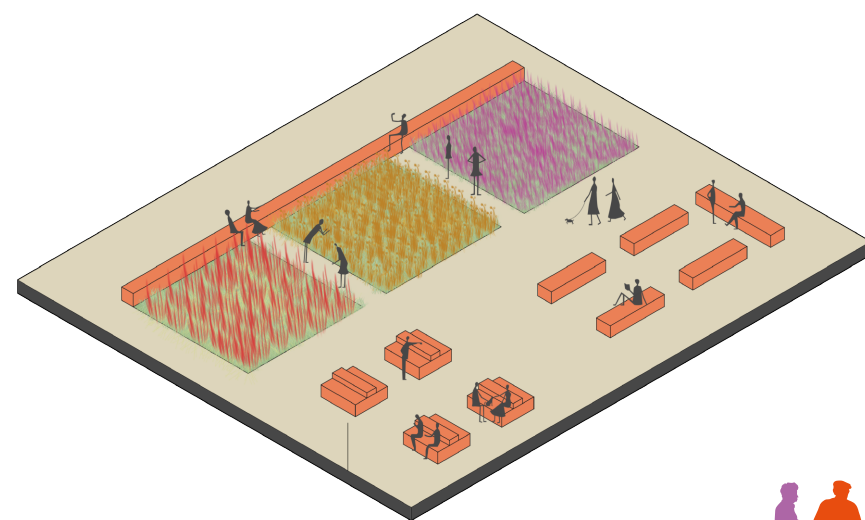
Courts - Seating Areas



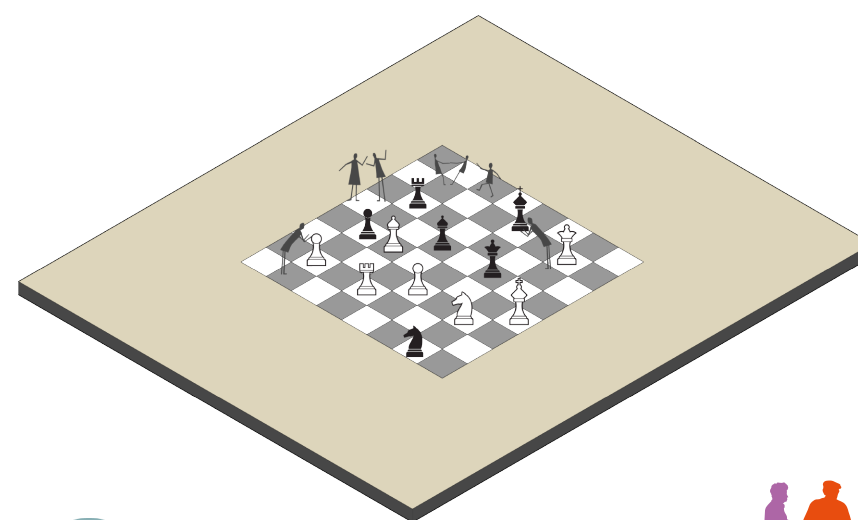
Playgrounds - Seating Areas



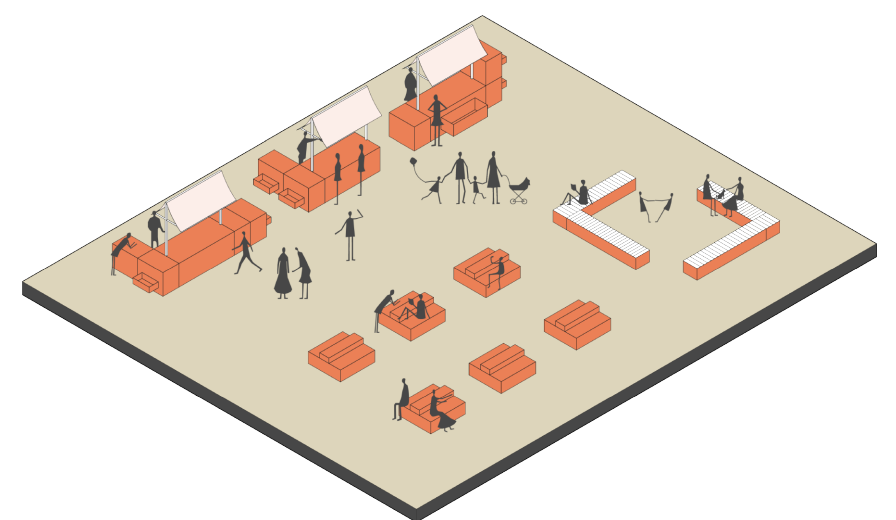
Skate Parks



Community Gardens



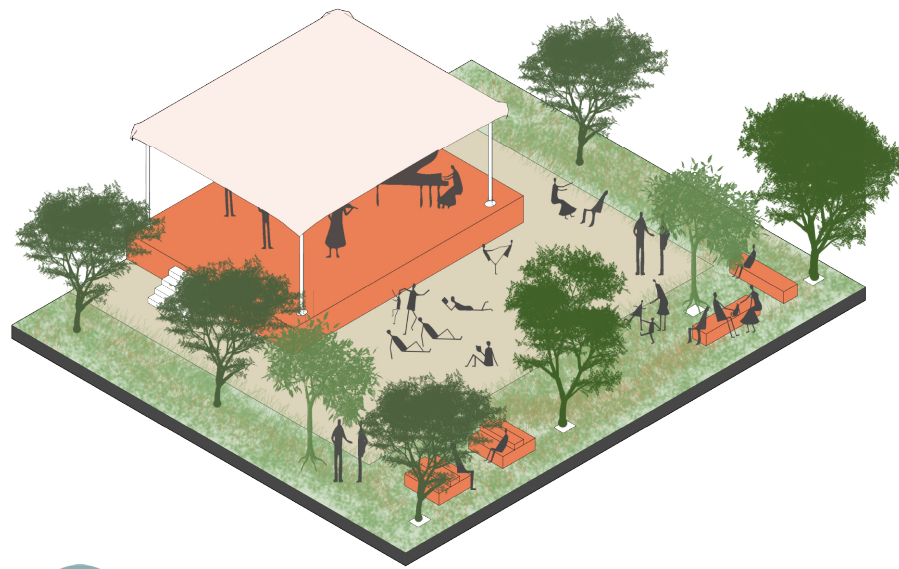
Games



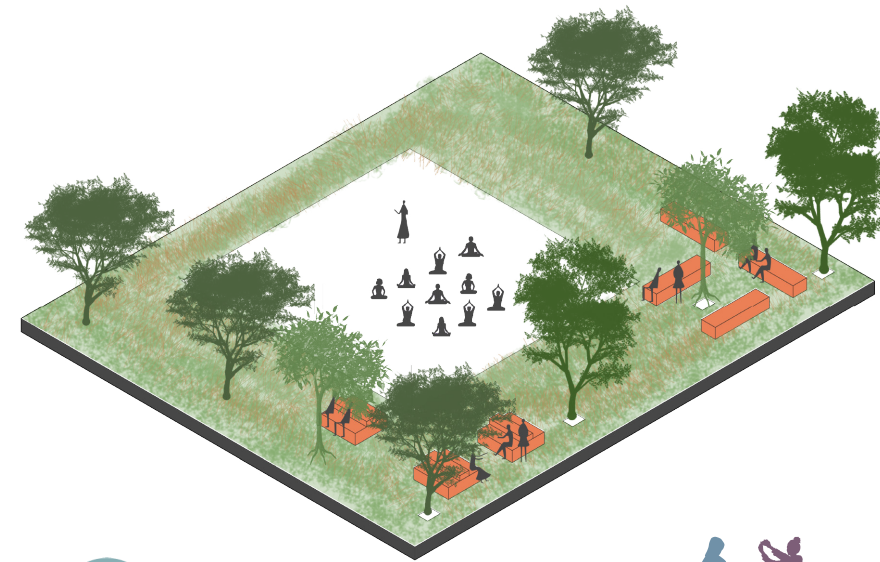
Cultural - Neighbourhood Events

Principles

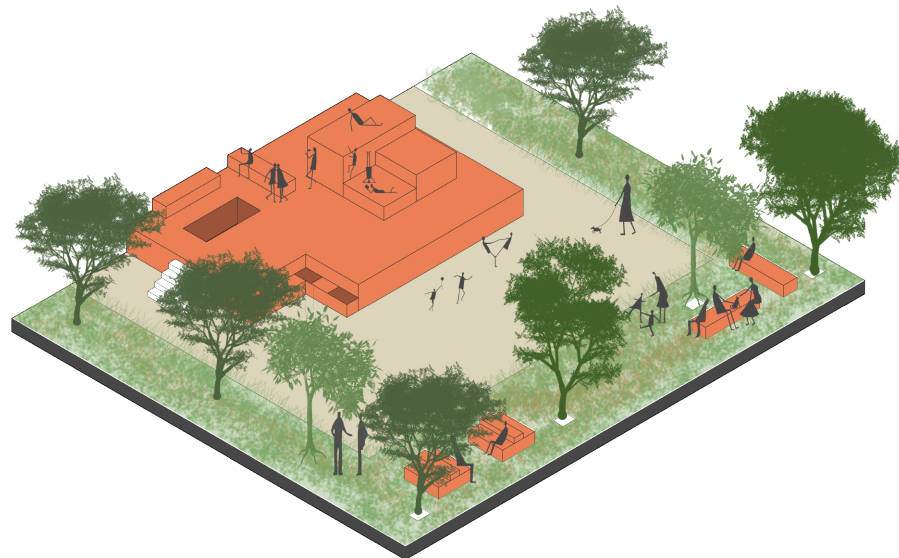
Public Space



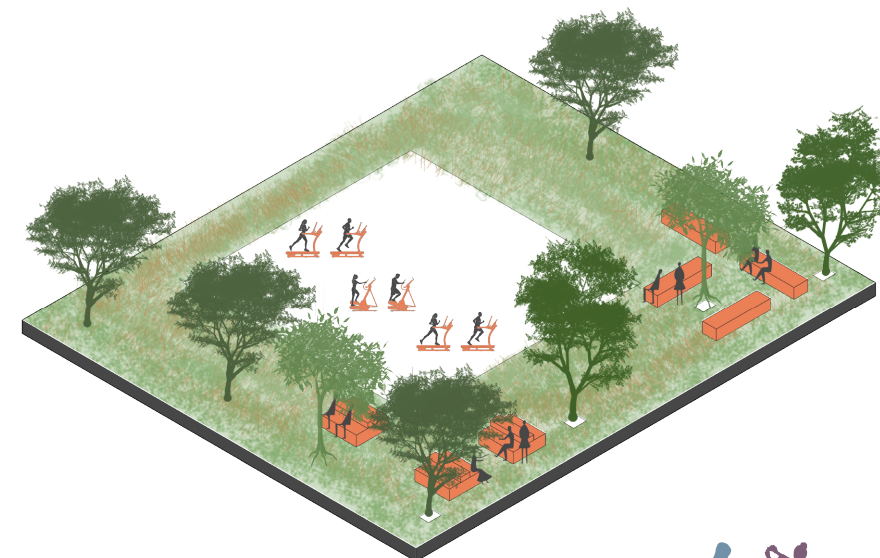
Events Stage



Outdoor Sports



Multifunctional Surfaces

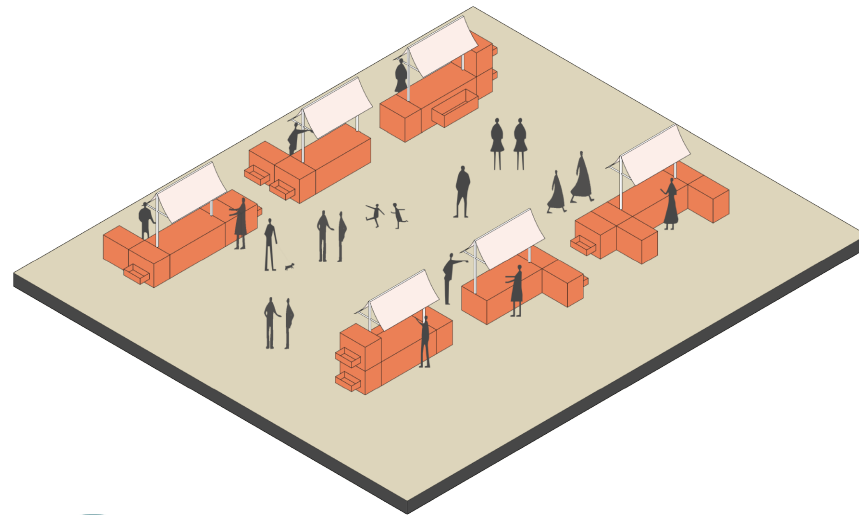


Sports Equipment

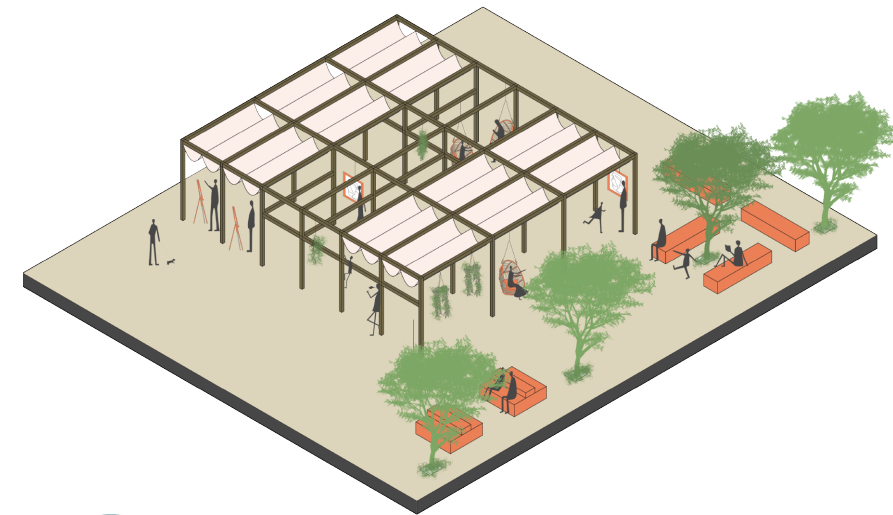


Principles

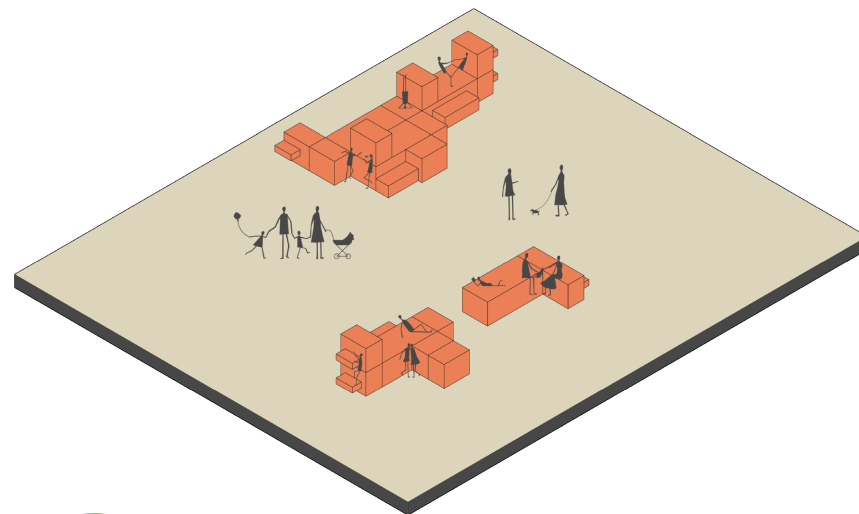
Public Space



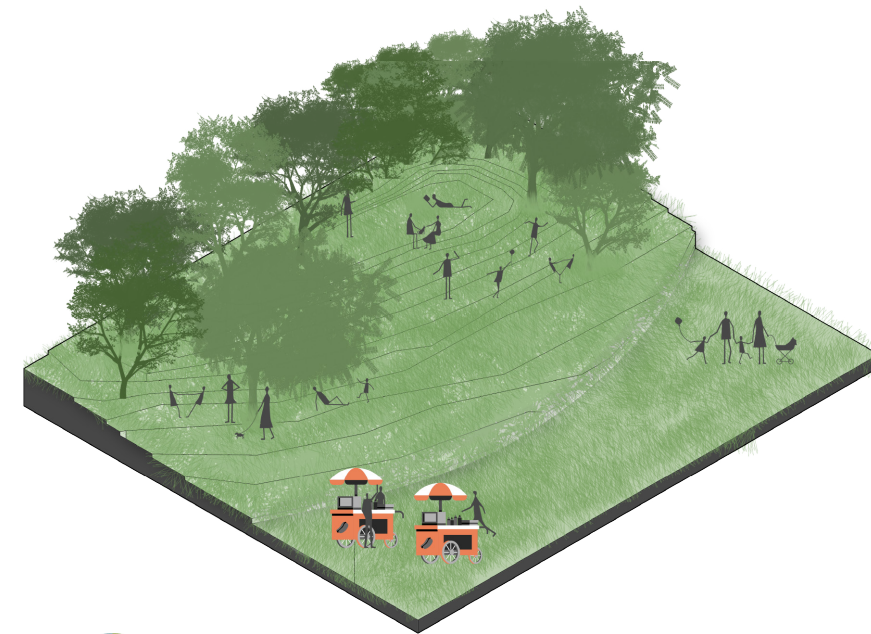
Market



Canopies



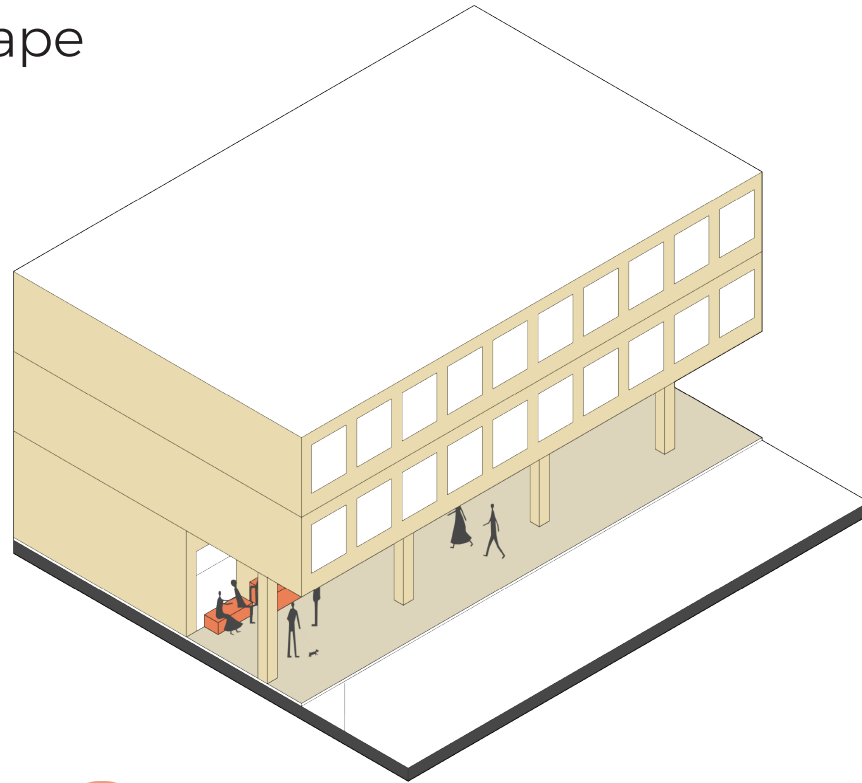
Modular Furniture



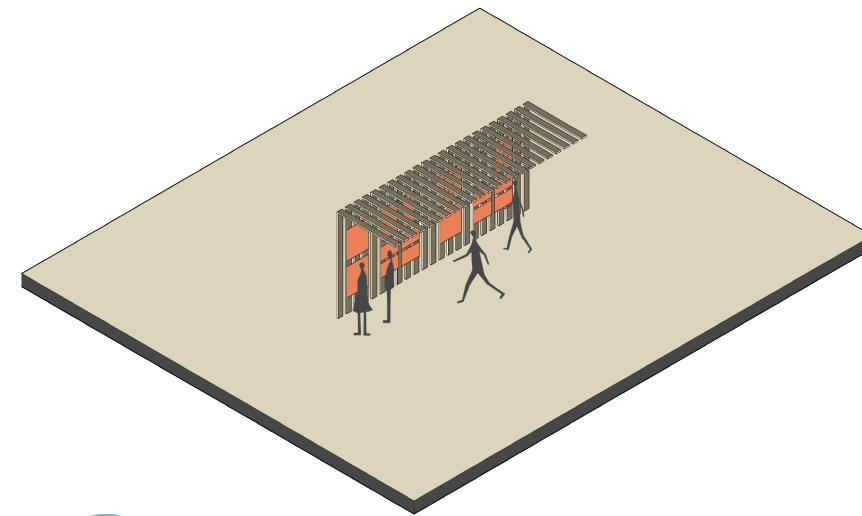
Slopes

Principles

Streetscape



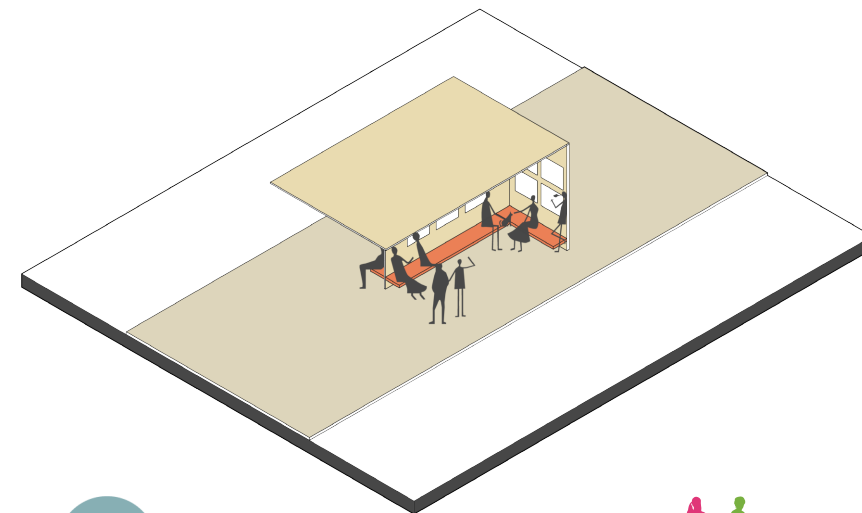
Sheltered Sidewalks



Announcement - Art Boards



Pedestrian Priority

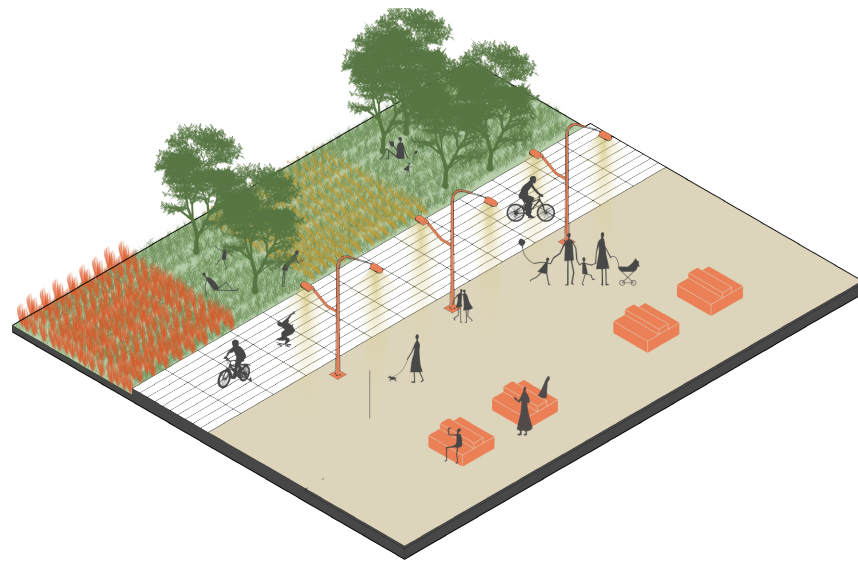


Bus Stops

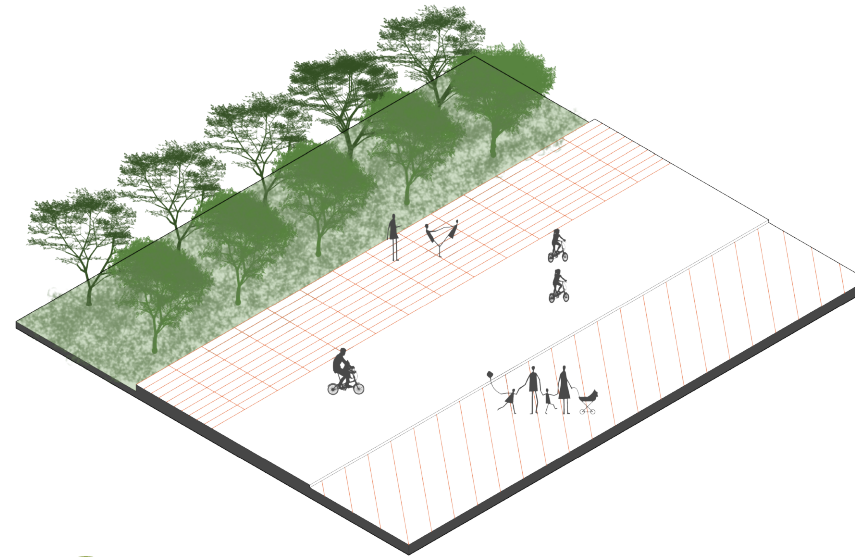


Principles

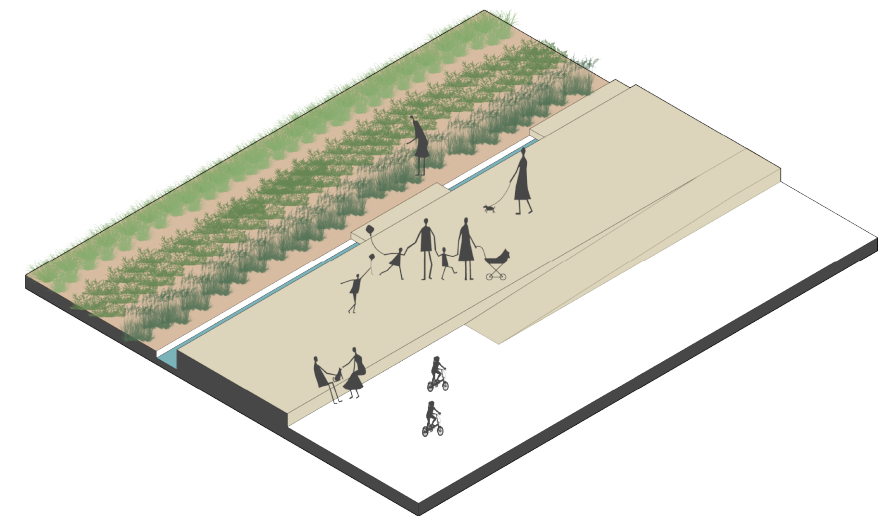
Streetscape



Lighting



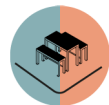
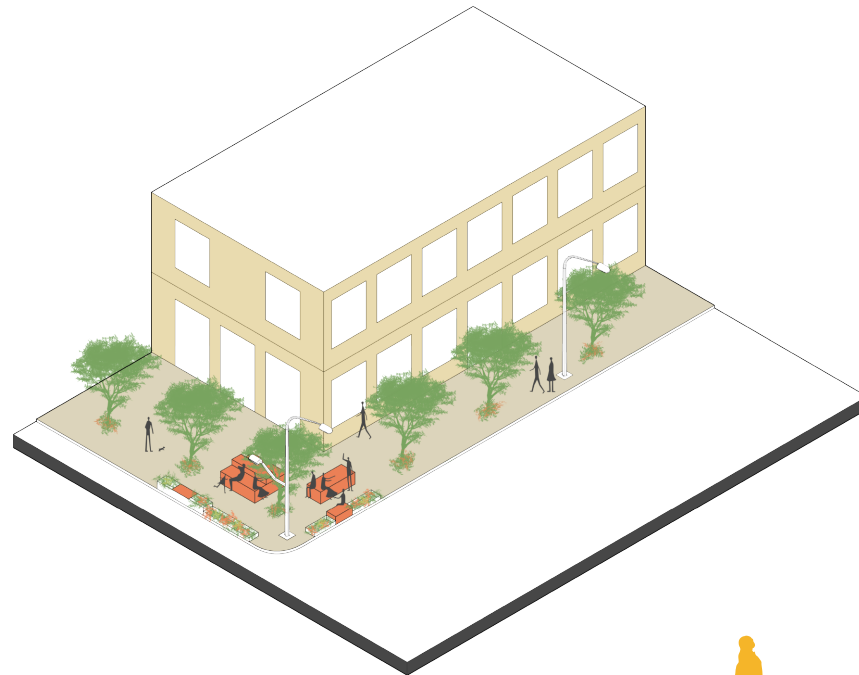
Different Routes



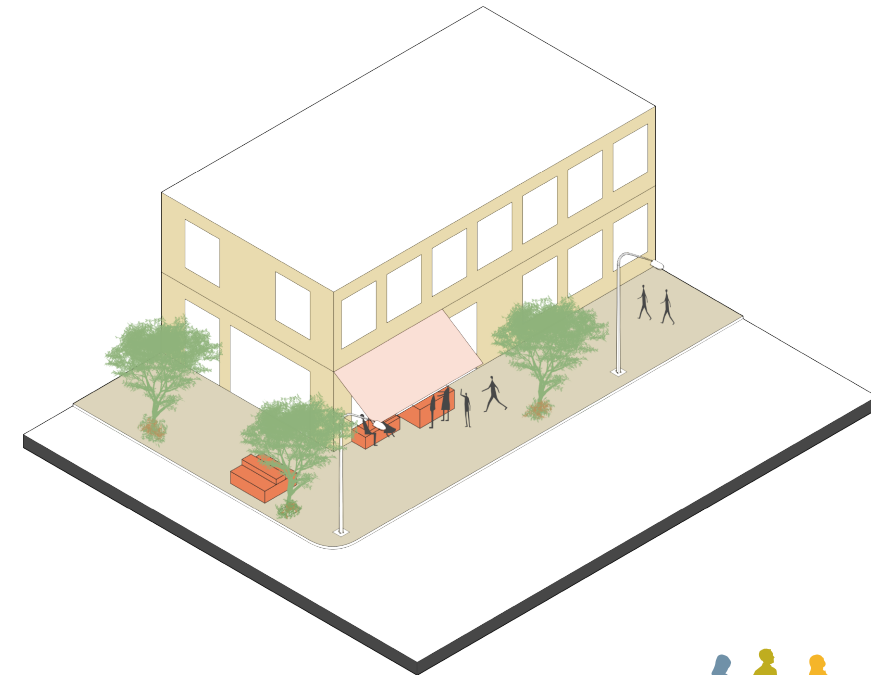
Height Differences

Principles

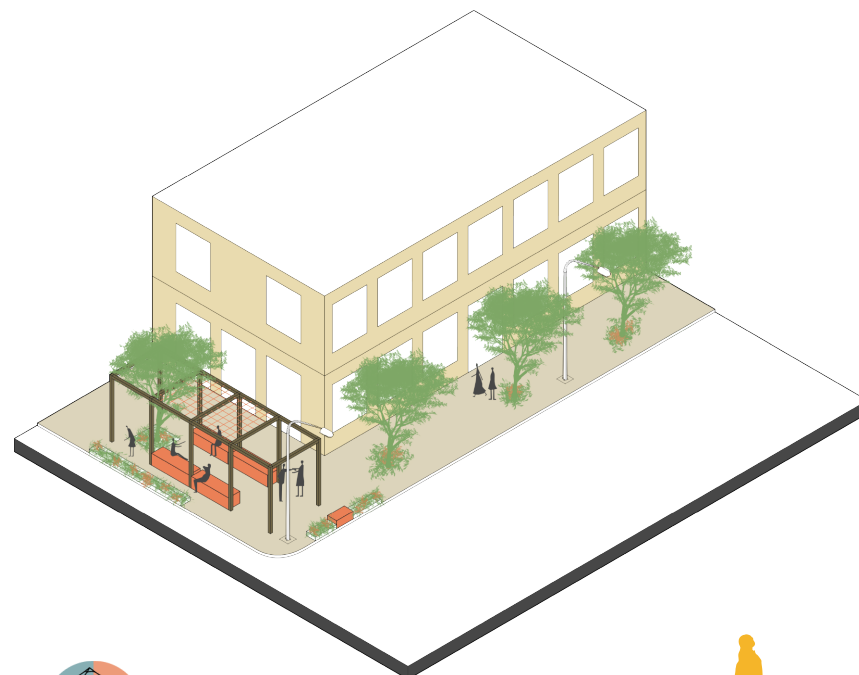
Streetscape



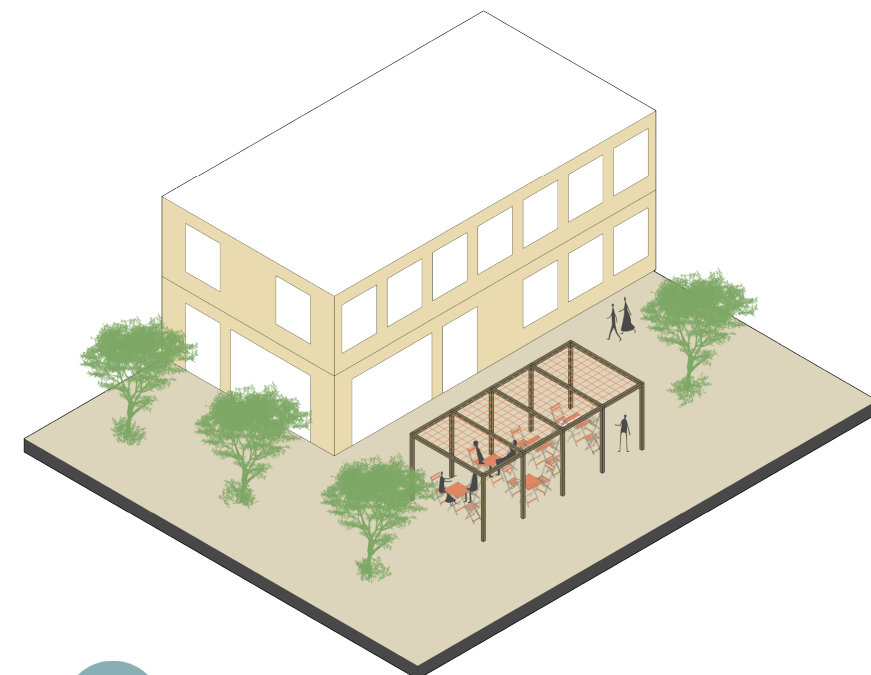
Street Corner Seating Areas



Sheltered Entrances



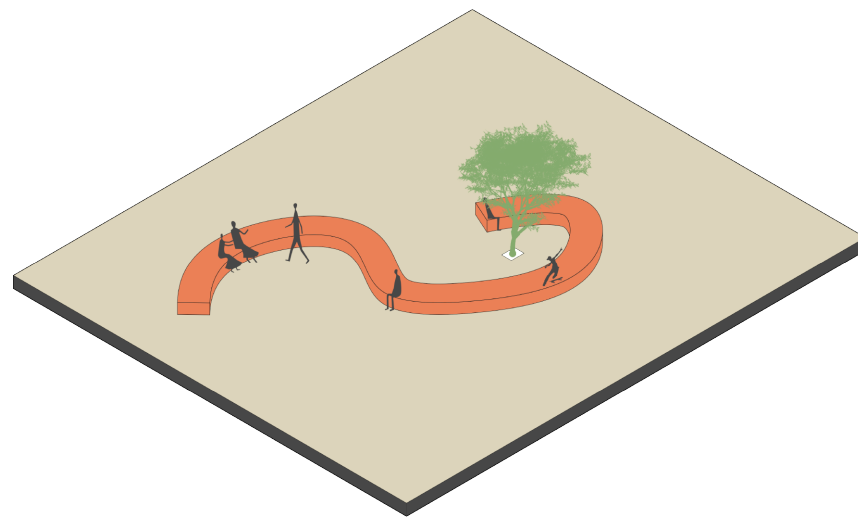
Street Corner Canopies



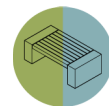
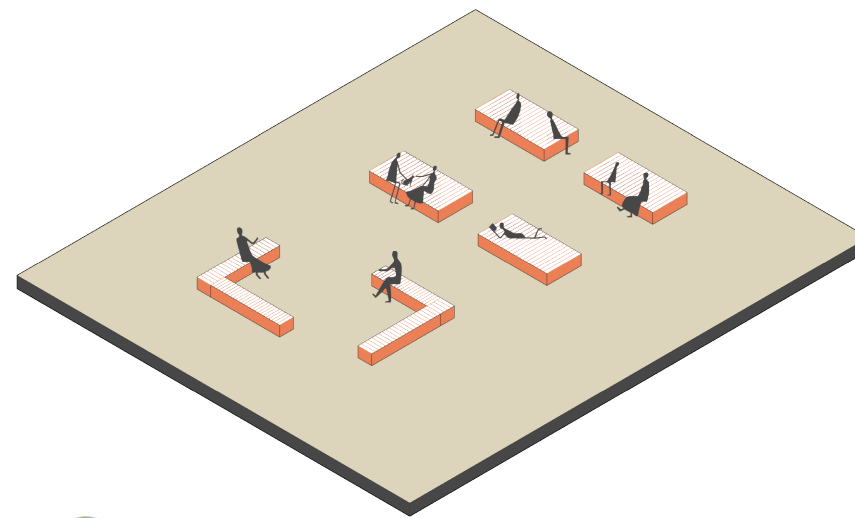
Outdoor Cafe Extensions

Principles

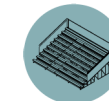
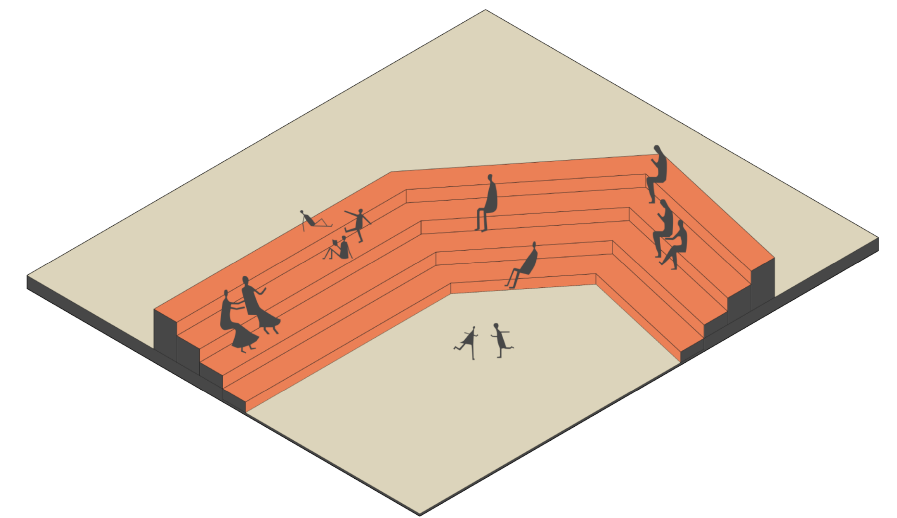
Urban Furniture



Curvy Bench



Wide and Corner Bench

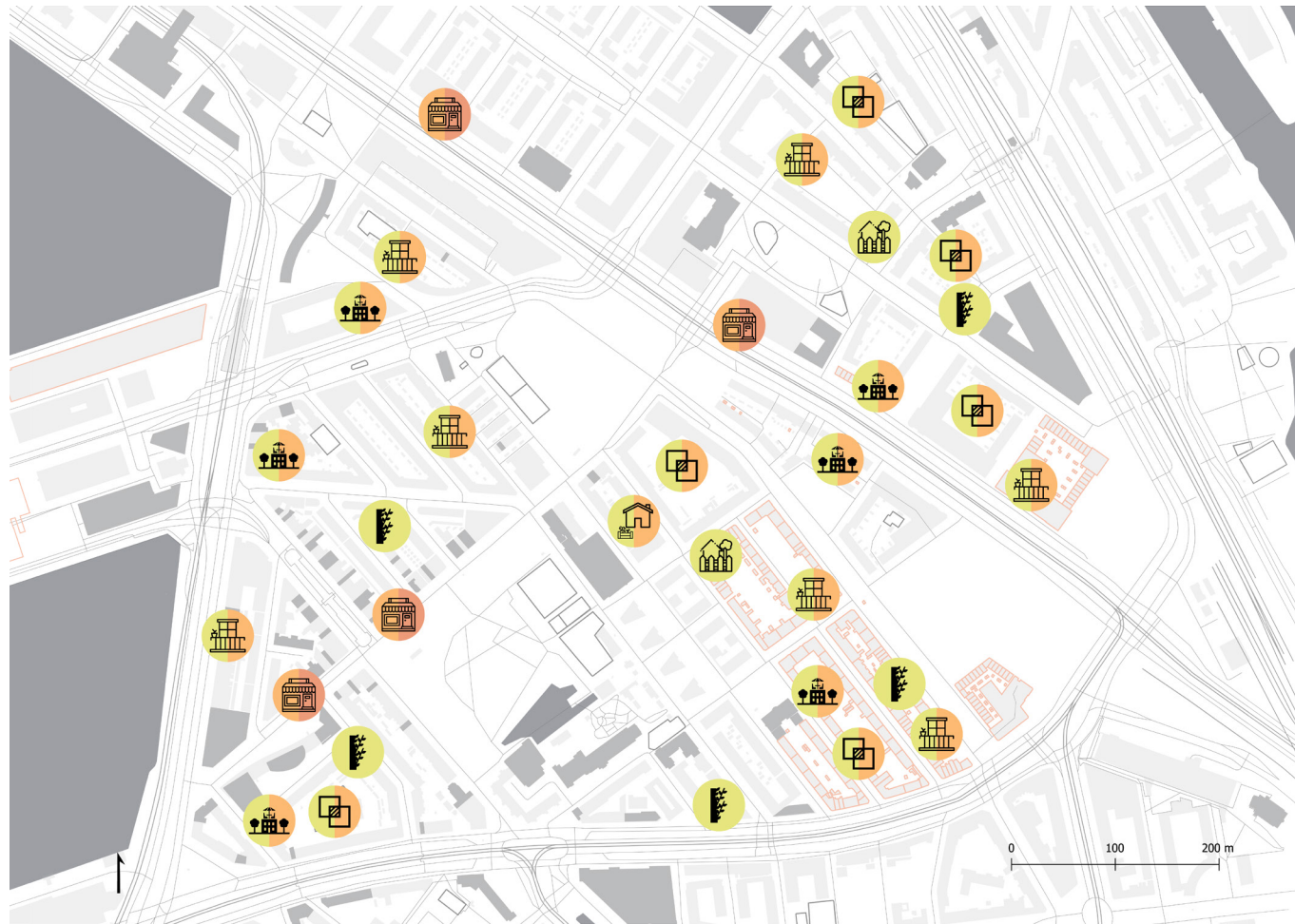


Bleachers


Design Principles
Source: Author

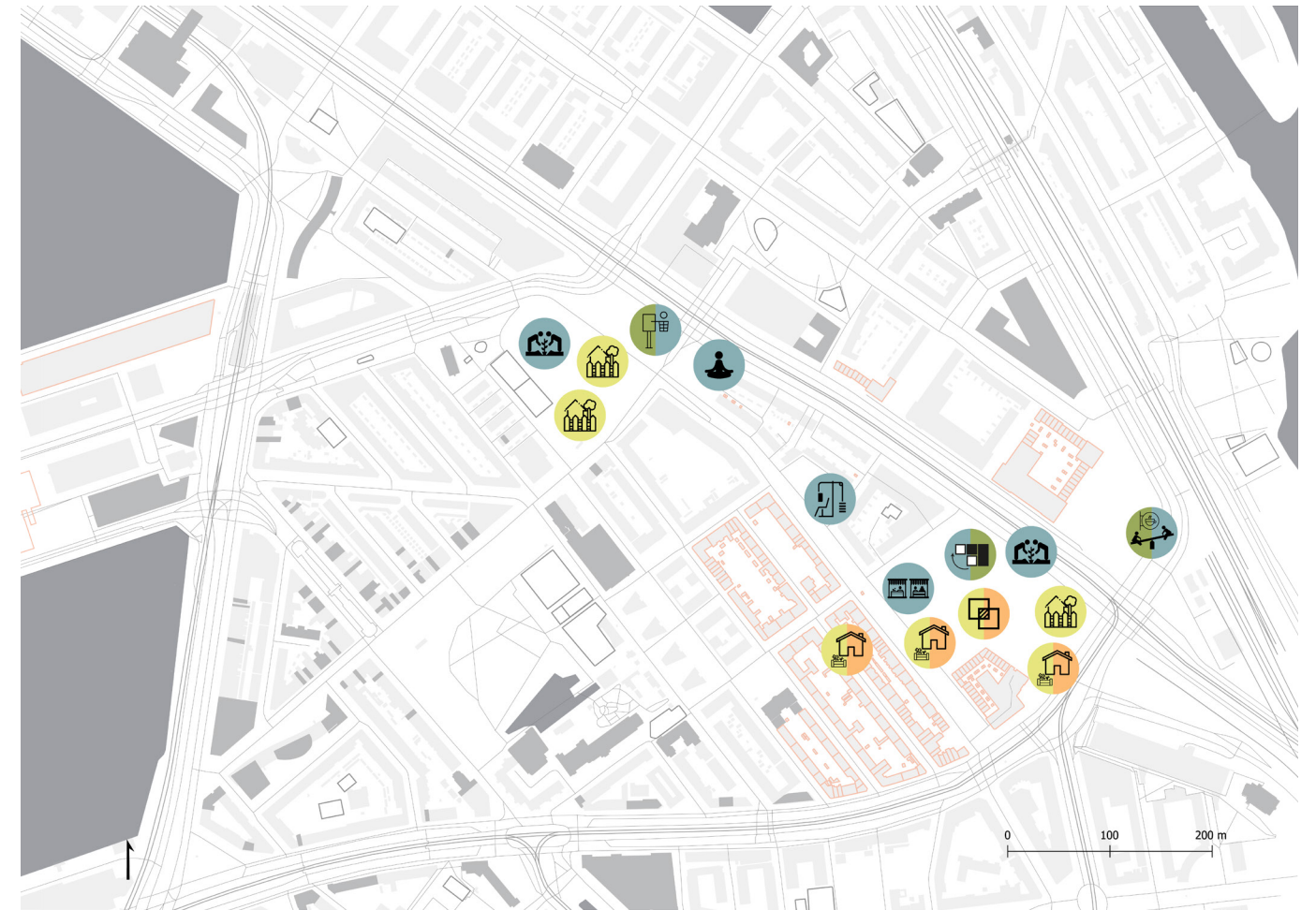
Principles

Distribution of Design Principles



Residential Blocks
Source: Author

- | | |
|---|---|
|  Front Yards |  Common Spaces |
|  Facade Gardens |  Collective Spaces |
|  Balconies |  Sheltered Entrances |
|  Rooftop Common Spaces | |

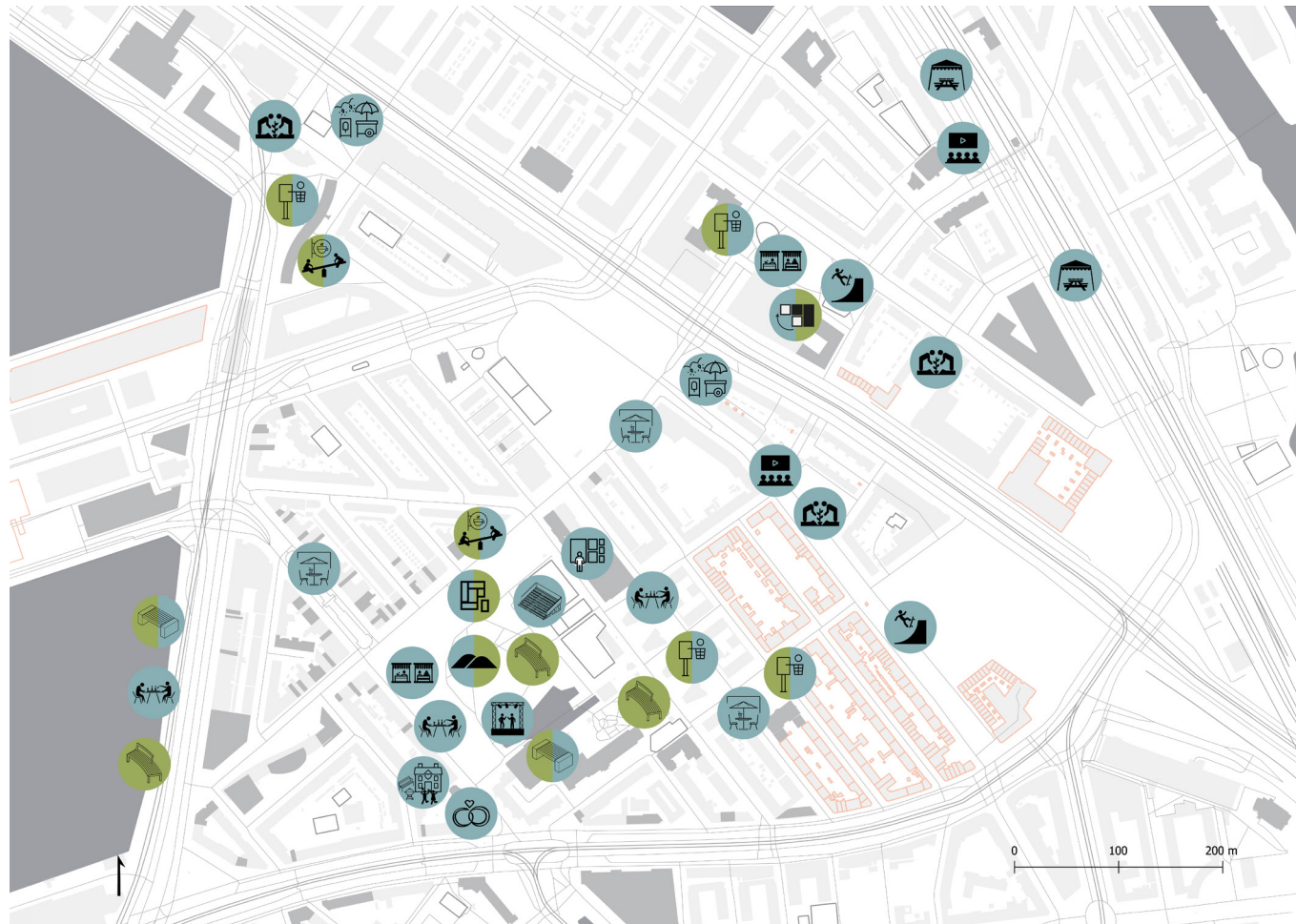


Construction Areas
Source: Author

- | | |
|---|---|
|  Front Yards |  Modular Furniture |
|  Common Spaces |  Playgrounds - Seating Areas |
|  Collective Spaces |  Courts - Seating Areas |
|  Community Gardens |  Outdoor Sports |
|  Modular Furniture |  Sports Equipment |

Principles

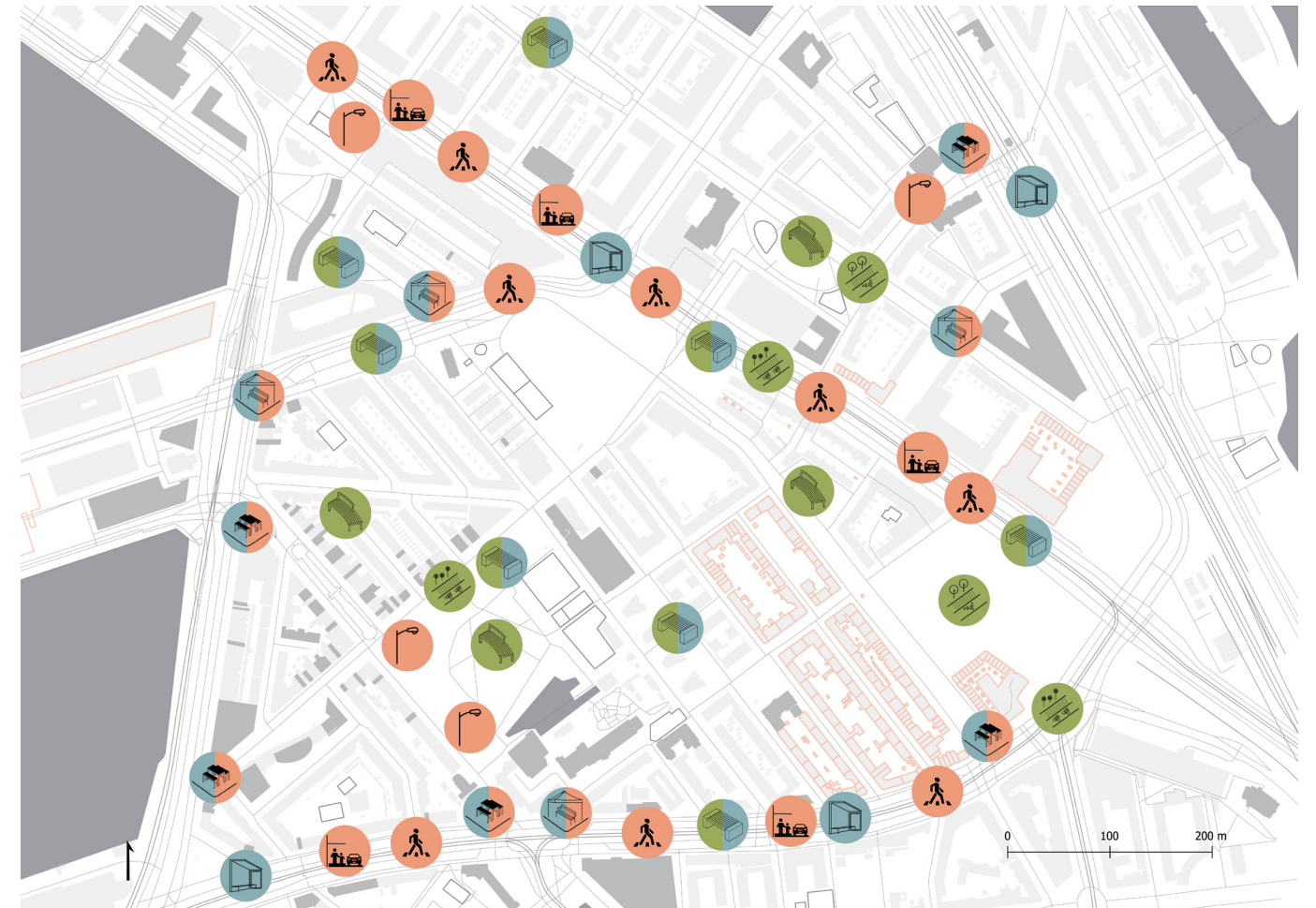
Distribution of Design Principles



Public Spaces

Source: Author

- | | | |
|---------------------------------|---------------------------|-----------------------|
| Community Gardens | Courts - Seating Areas | Games |
| Gathering Spaces | Market | Modular Furniture |
| Cultural - Neighbourhood Events | Outdoor Cafe Extensions | Canopies |
| Skate Parks | Open Air Cinema | Curvy Bench |
| Playgrounds - Seating Areas | Cultural Events | Bleachers |
| Slopes | Multifunctional Surfaces | Wide and Corner Bench |
| Events Stage | Announcement - Art Boards | |



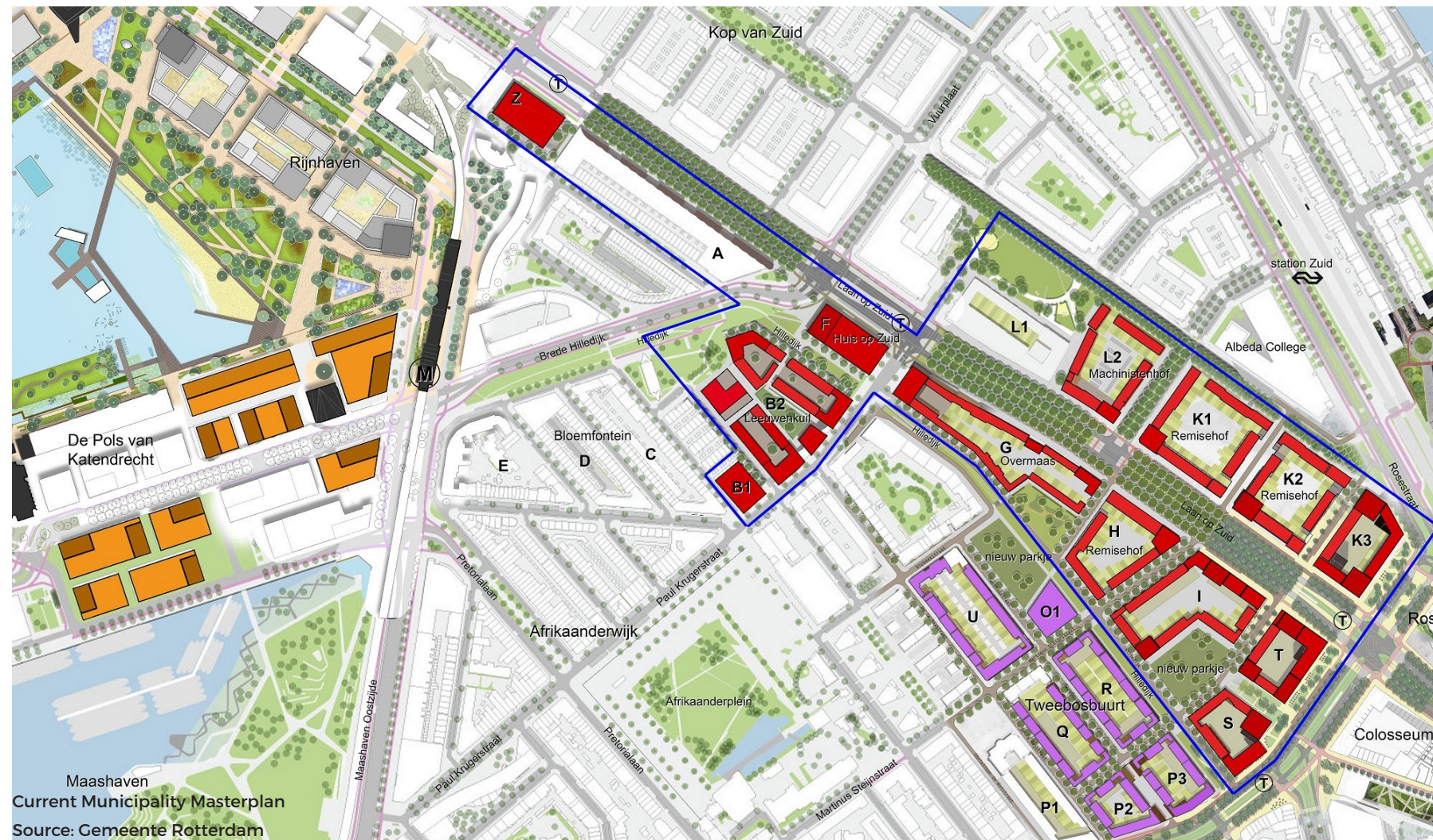
Streetscape

Source: Author

- | | |
|-----------------------------|-----------------------|
| Lightning | Wide and Corner Bench |
| Sheltered Sidewalks | Curvy Bench |
| Pedestrian Priority | Bus Stops |
| Street Corner Canopies | Different Routes |
| Street Corner Seating Areas | Height Differences |

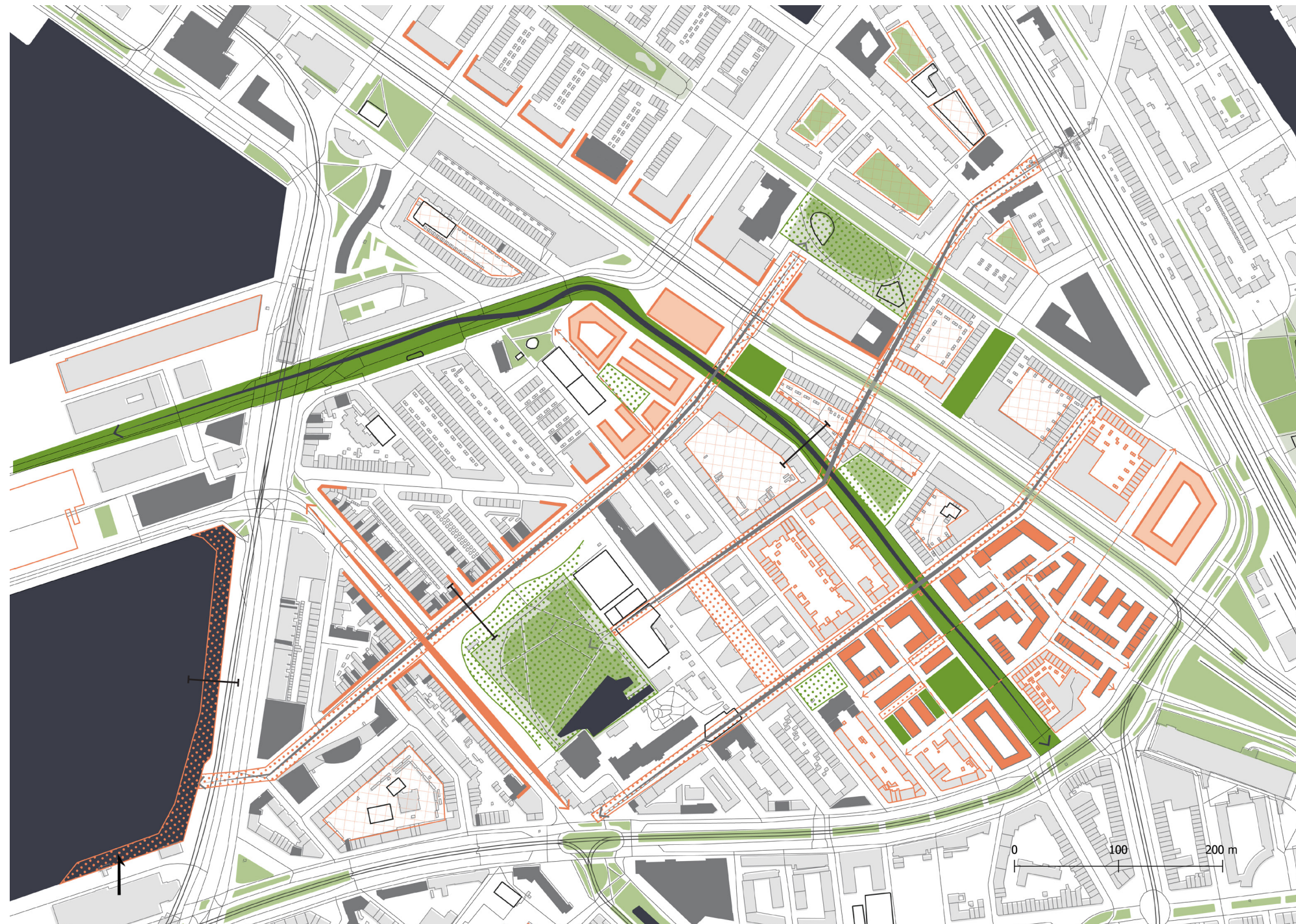
Design

Current Municipality Plans



Design

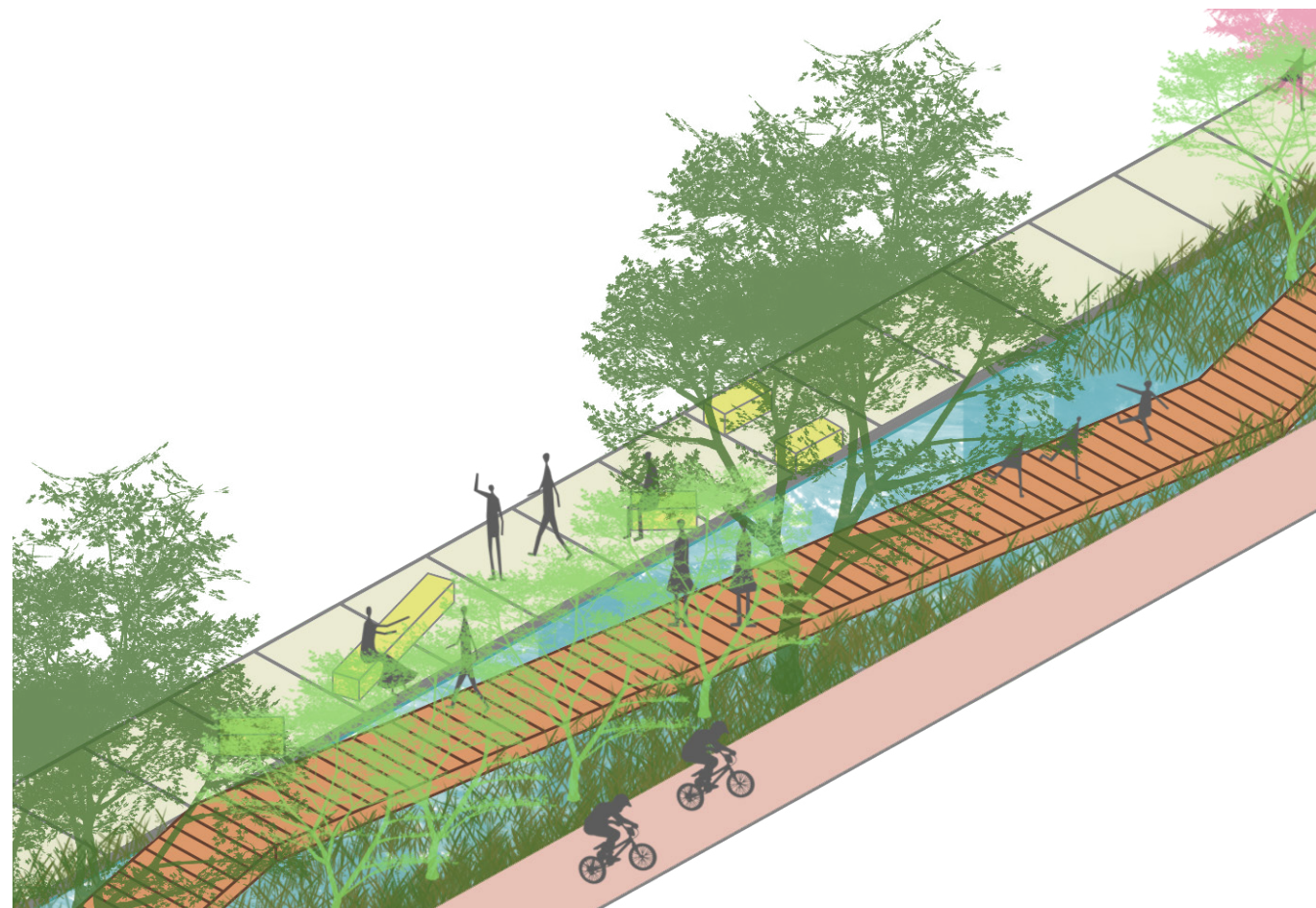
Vision



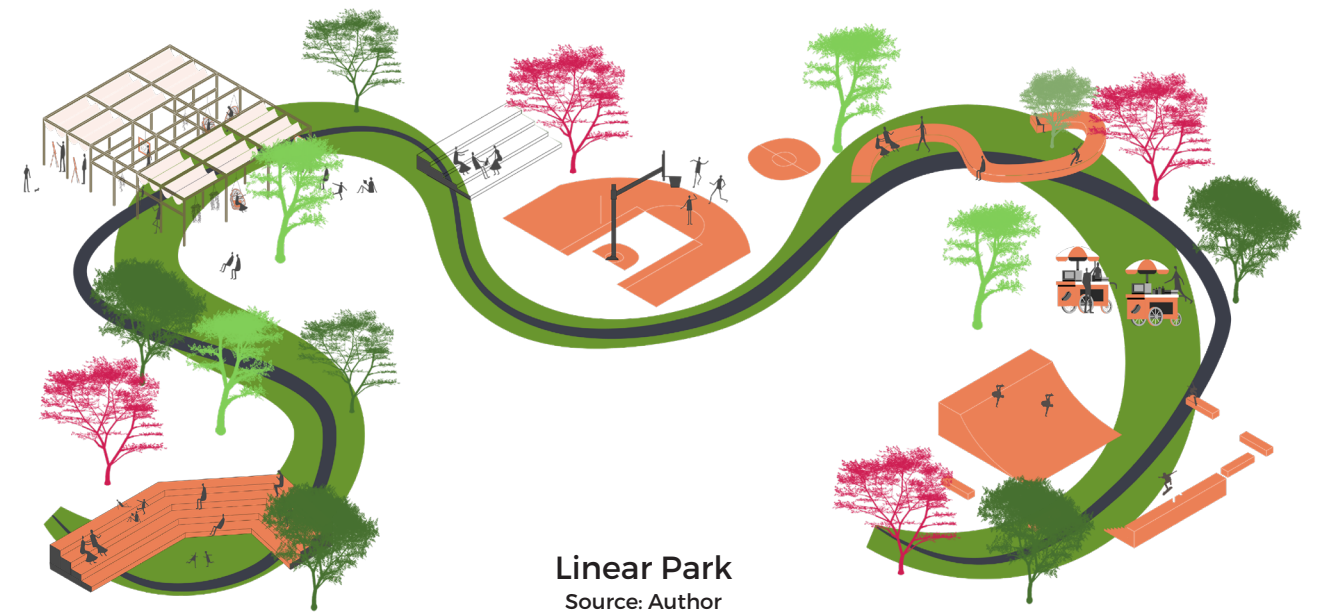
- Open Plinths
- New Neighbourhood Streets
- Shopping Street
- New Public Spaces
- Transformation of Public Spaces
- New Routes
- New and Transformed Public Routes
- Collective Spaces
- Municipality-Proposed Building Blocks
- Proposed Building Blocks
- Buildings under Demolition
- Outdoor Children's Facilities
- Public Function
- Buildings
- Water

Vision Plan
Source: Author

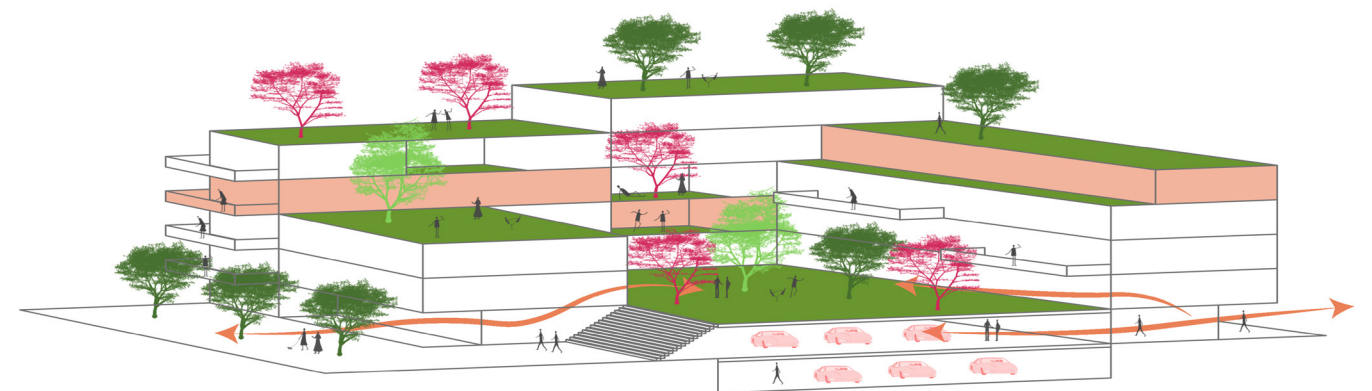
Design Concept



Impression of Pedestrian Route
Source: Author



Linear Park
Source: Author



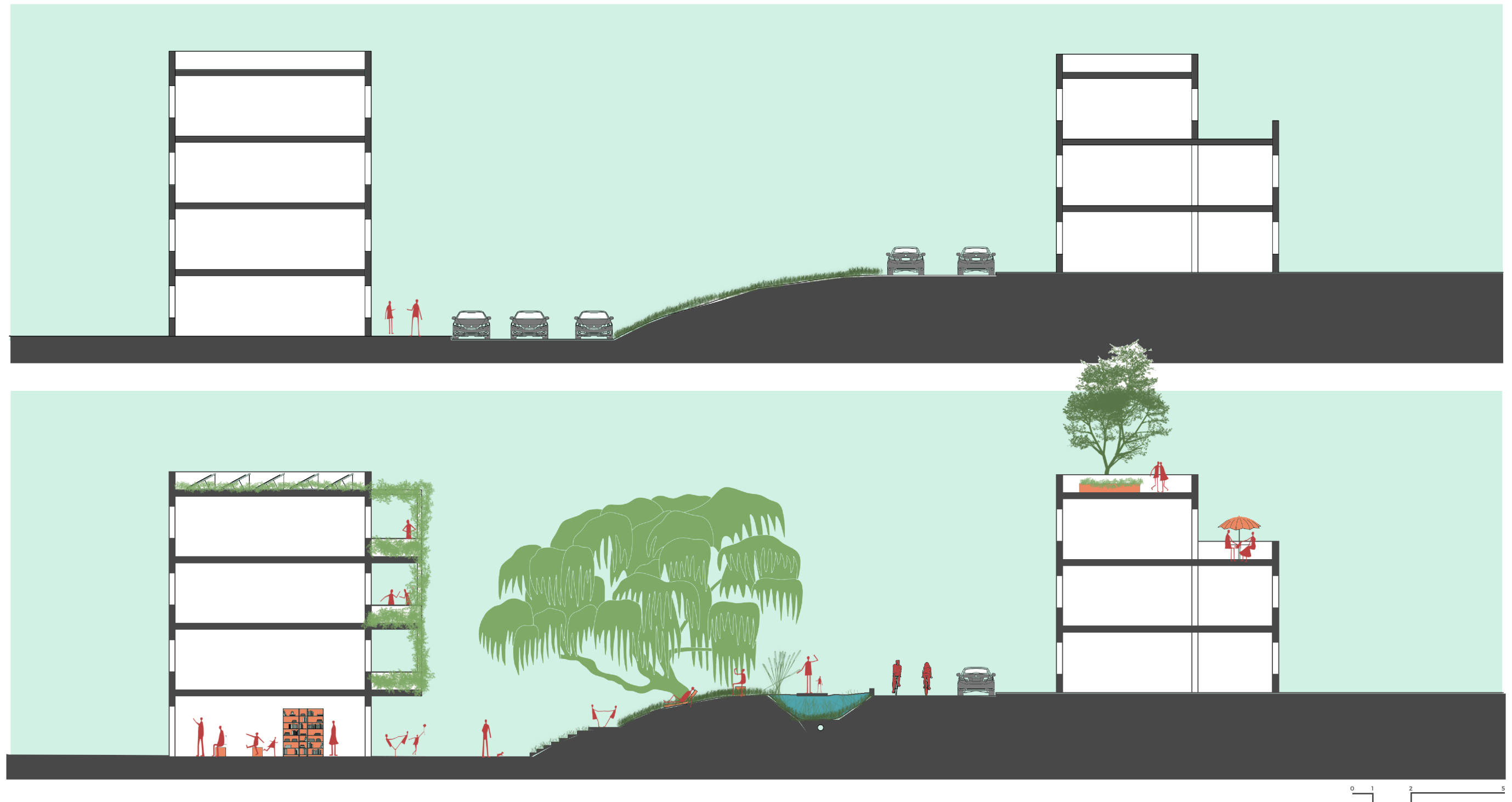
Common and Collective Spaces
Source: Author



Network of Public Spaces
Source: Author

Design

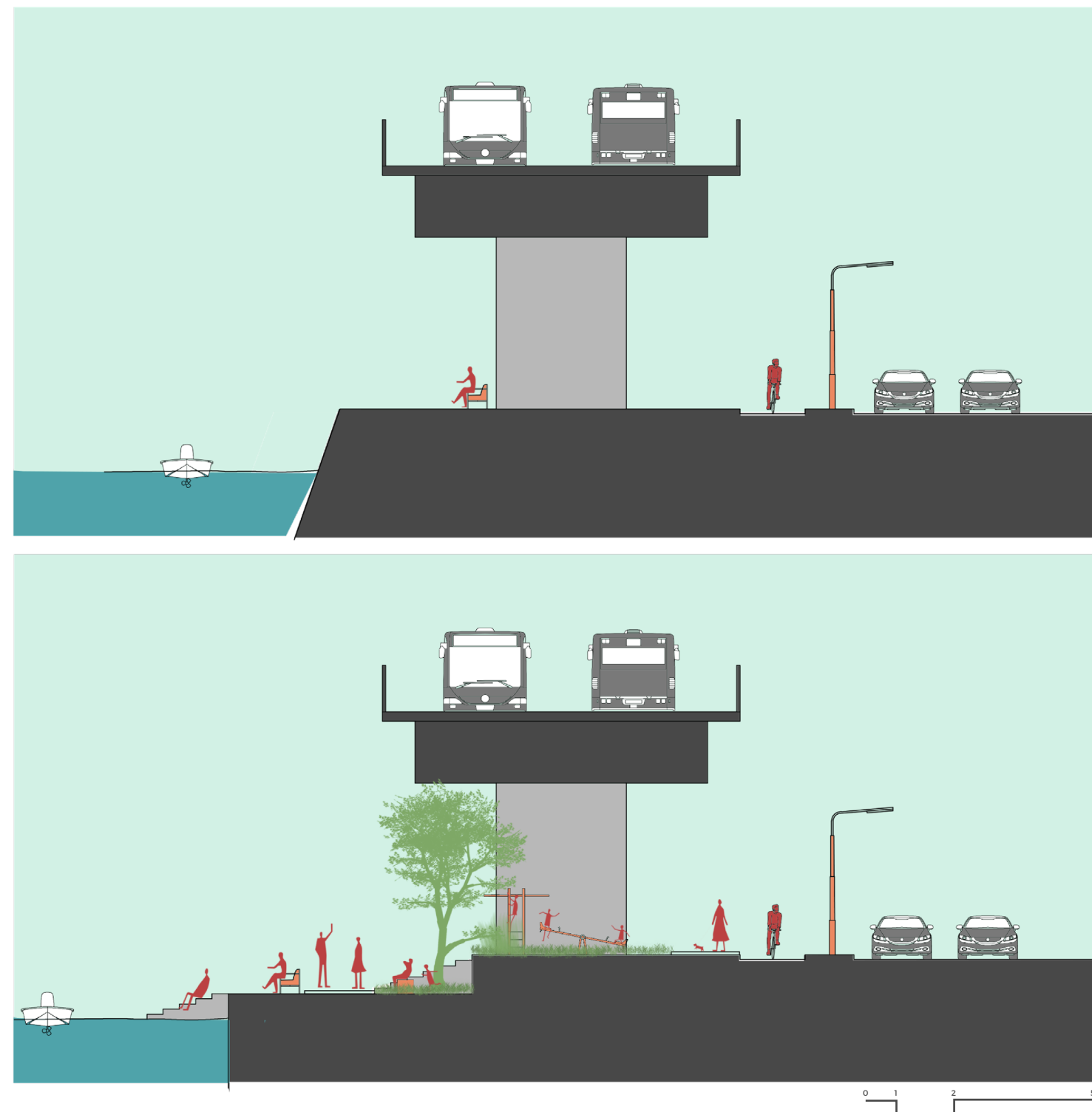
Indicative Sections



Linear Park - Before and After Interventions
Source: Author

Design

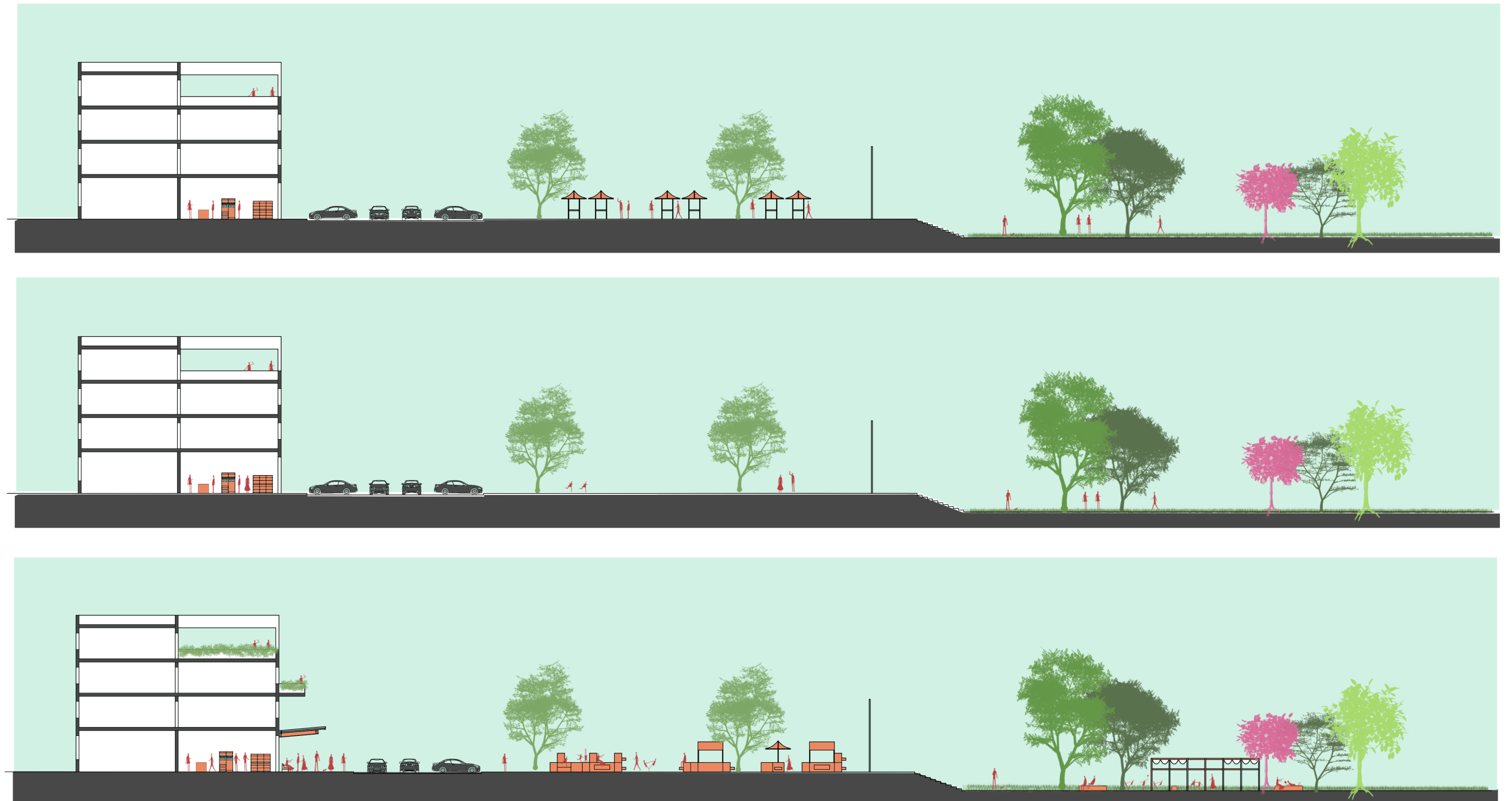
Indicative Sections



Waterfront - Before and After Interventions
Source: Author

Design

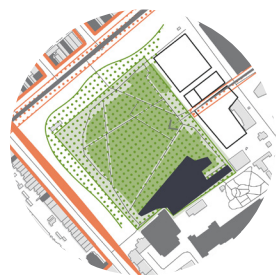
Indicative Sections



Market Area - Before and After Interventions
Source: Author

Zoom- In Areas

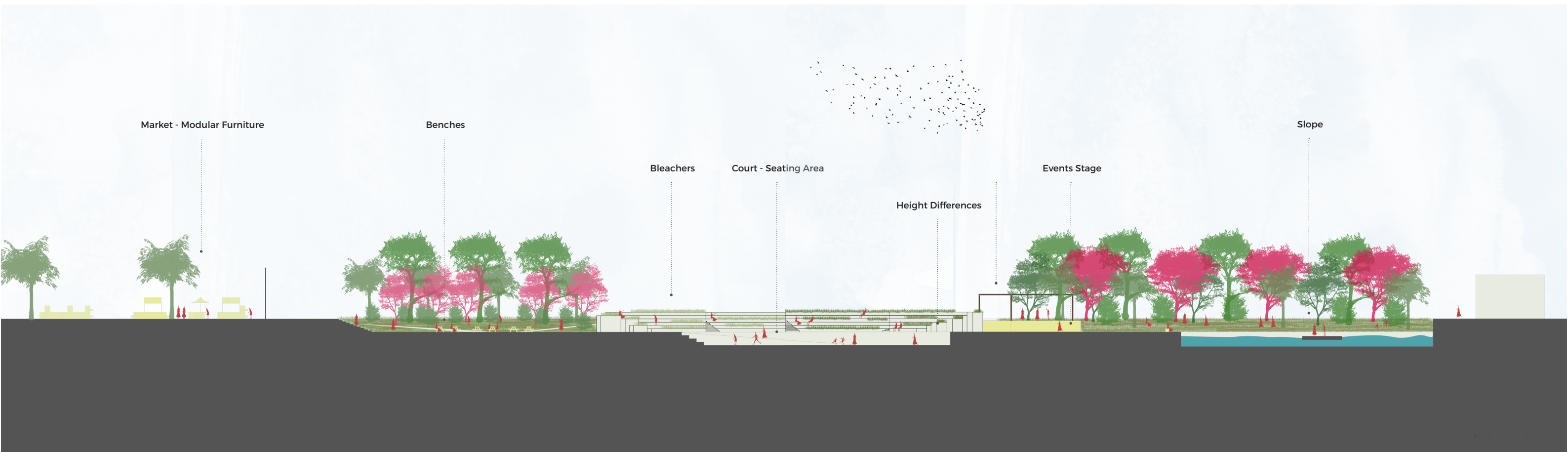
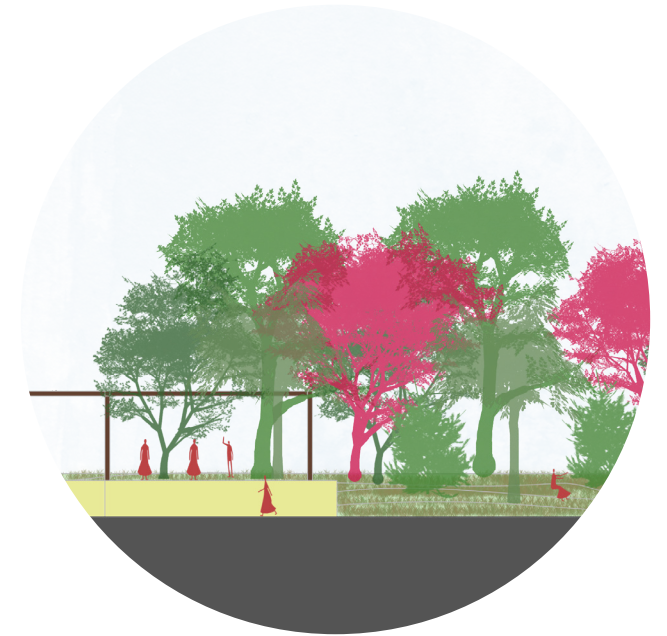
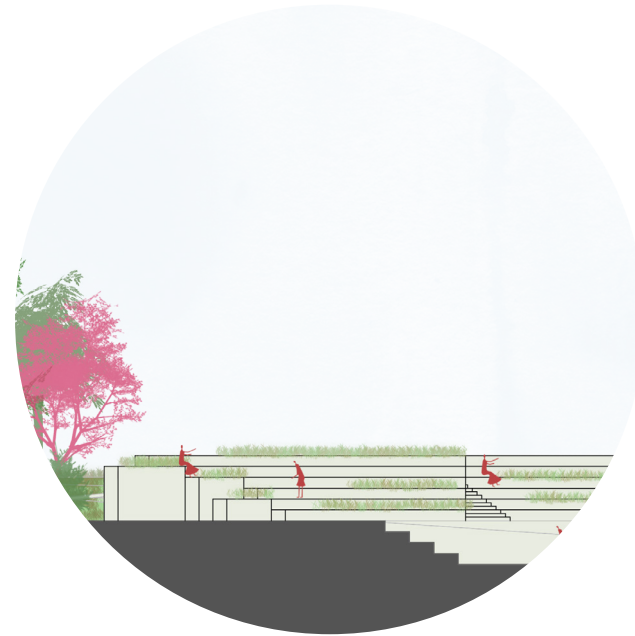
Afrikaanderplein



Afrikaanderplein
Source: Author

Zoom- In Areas

Section



Zoom- In Areas

New Building Blocks

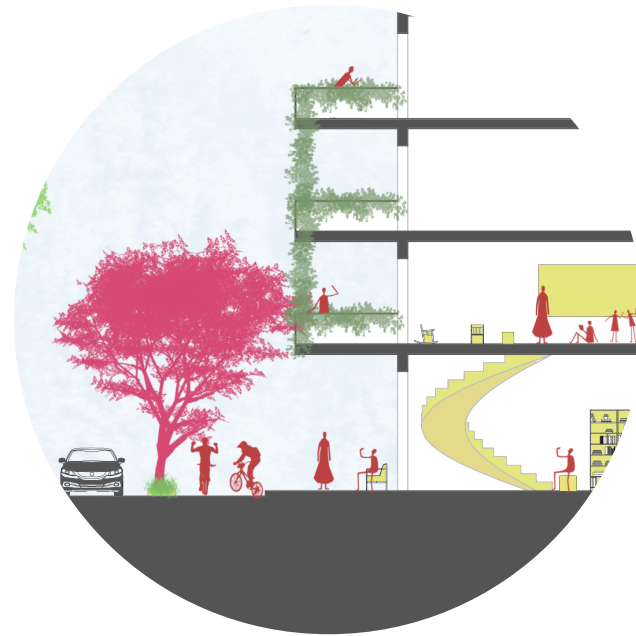
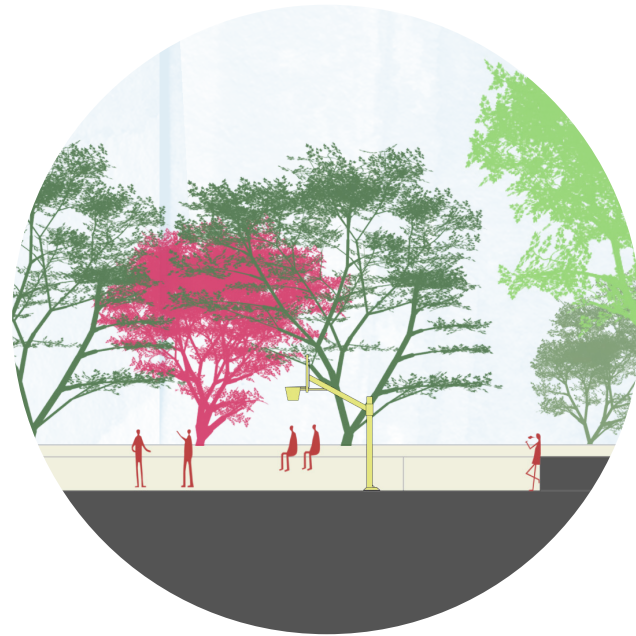


New Building Blocks
Source: Author



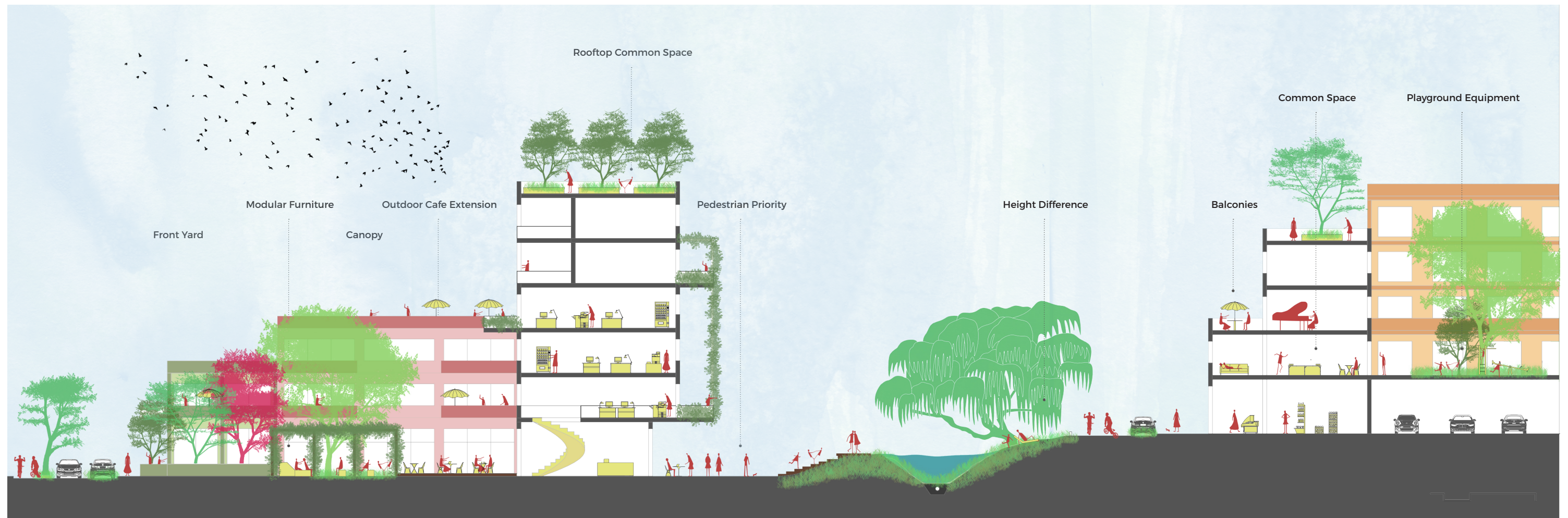
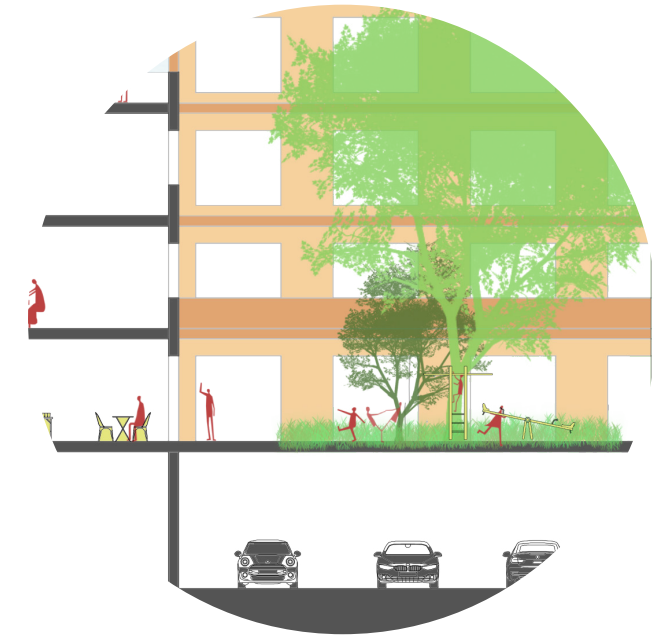
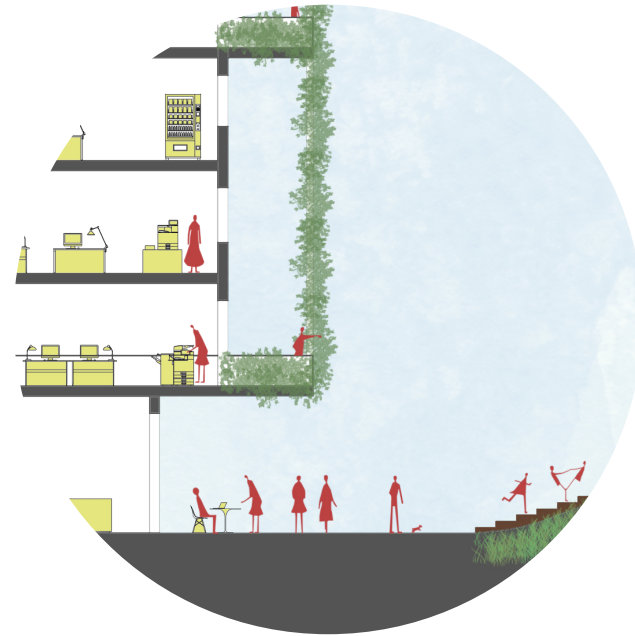
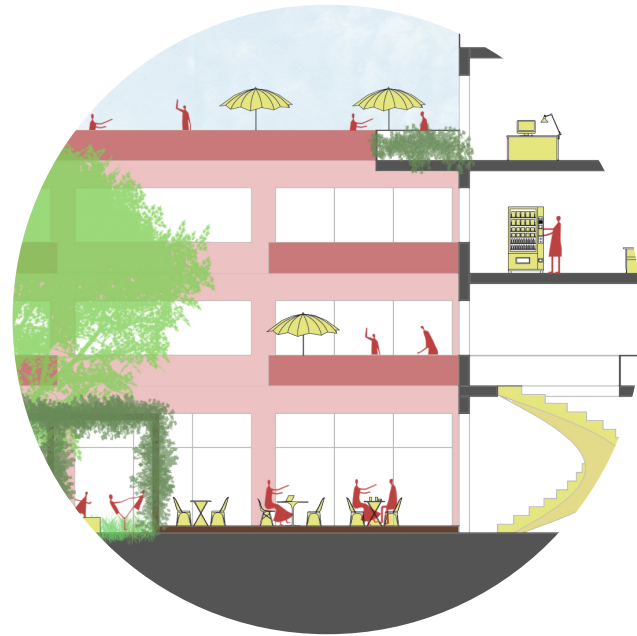
Zoom- In Areas

Section



Zoom- In Areas

Section



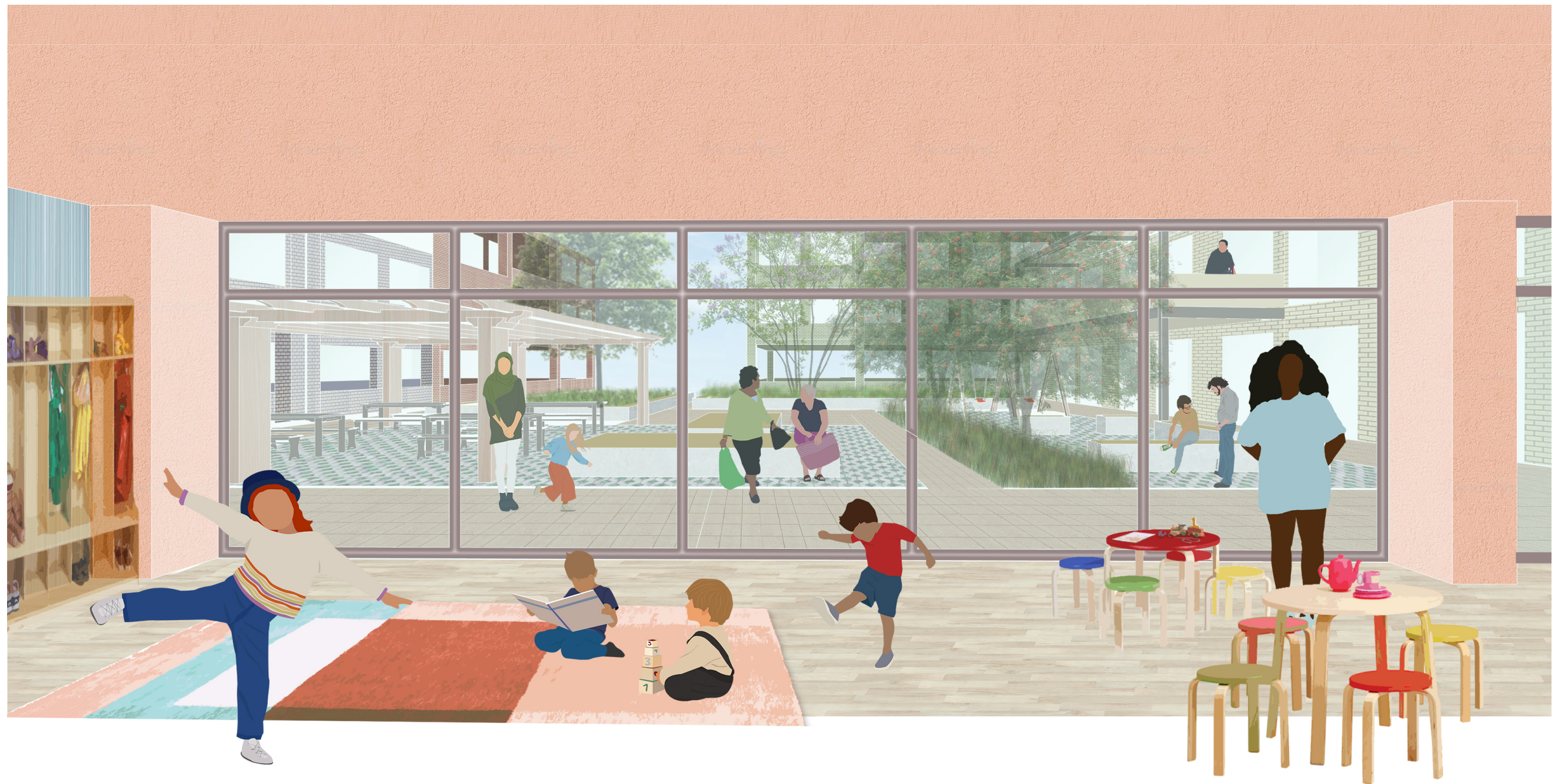


Demolished Building Block in Tweekbosbuurt

Source: www.google.nl/maps



Proposal for the Demolished Area
Source: Author



Proposal for the Interior Space of a Building Block
Source: Author

Zoom- In Areas

Instance of Linear Park



New Neighbourhood Space
Source: Author



Empty Green Space between Residential Blocks

Source: www.google.nl/maps



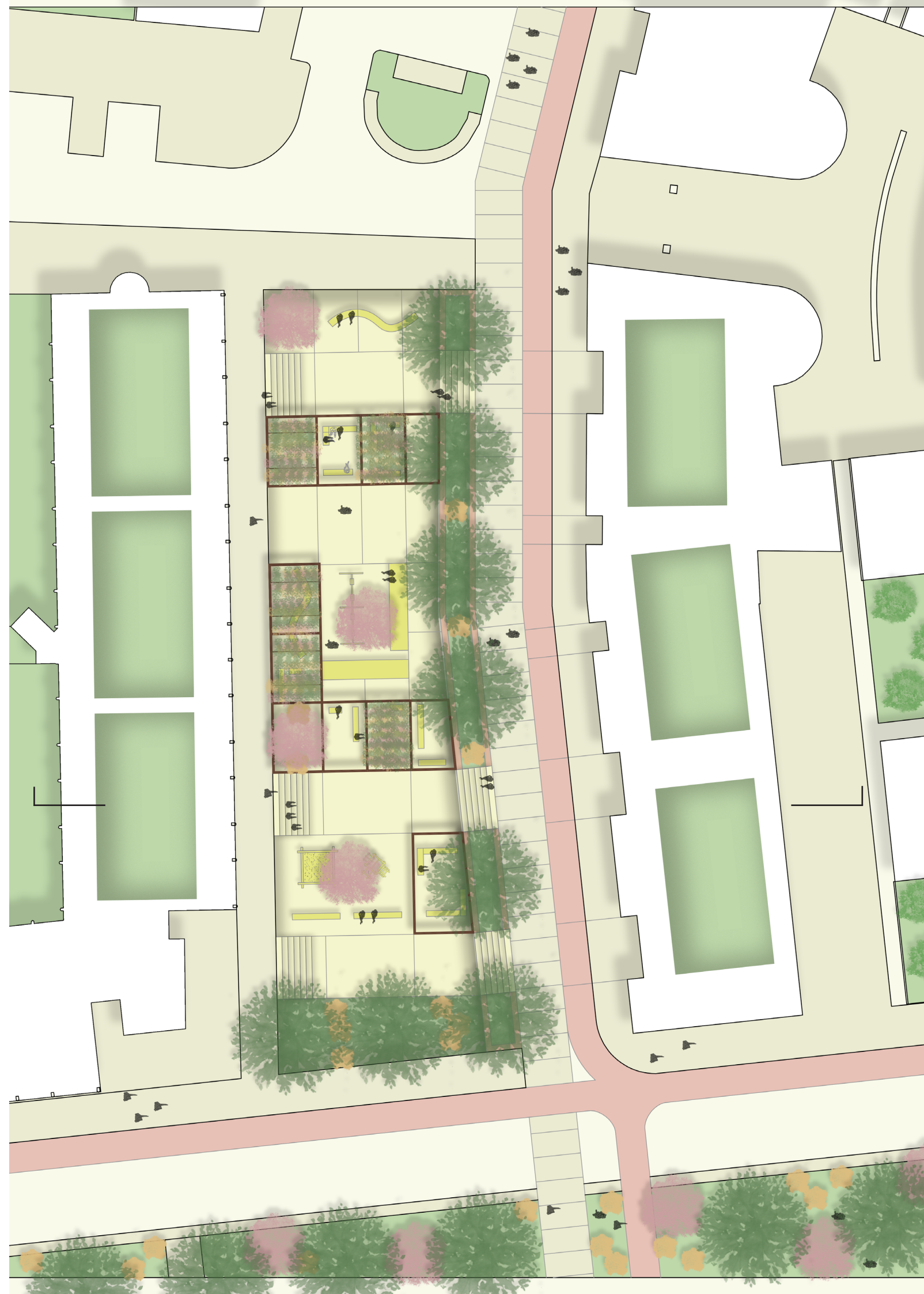
Proposal for the Transformation of the Empty Space
Source: Author

Zoom- In Areas

Reclaiming the Street

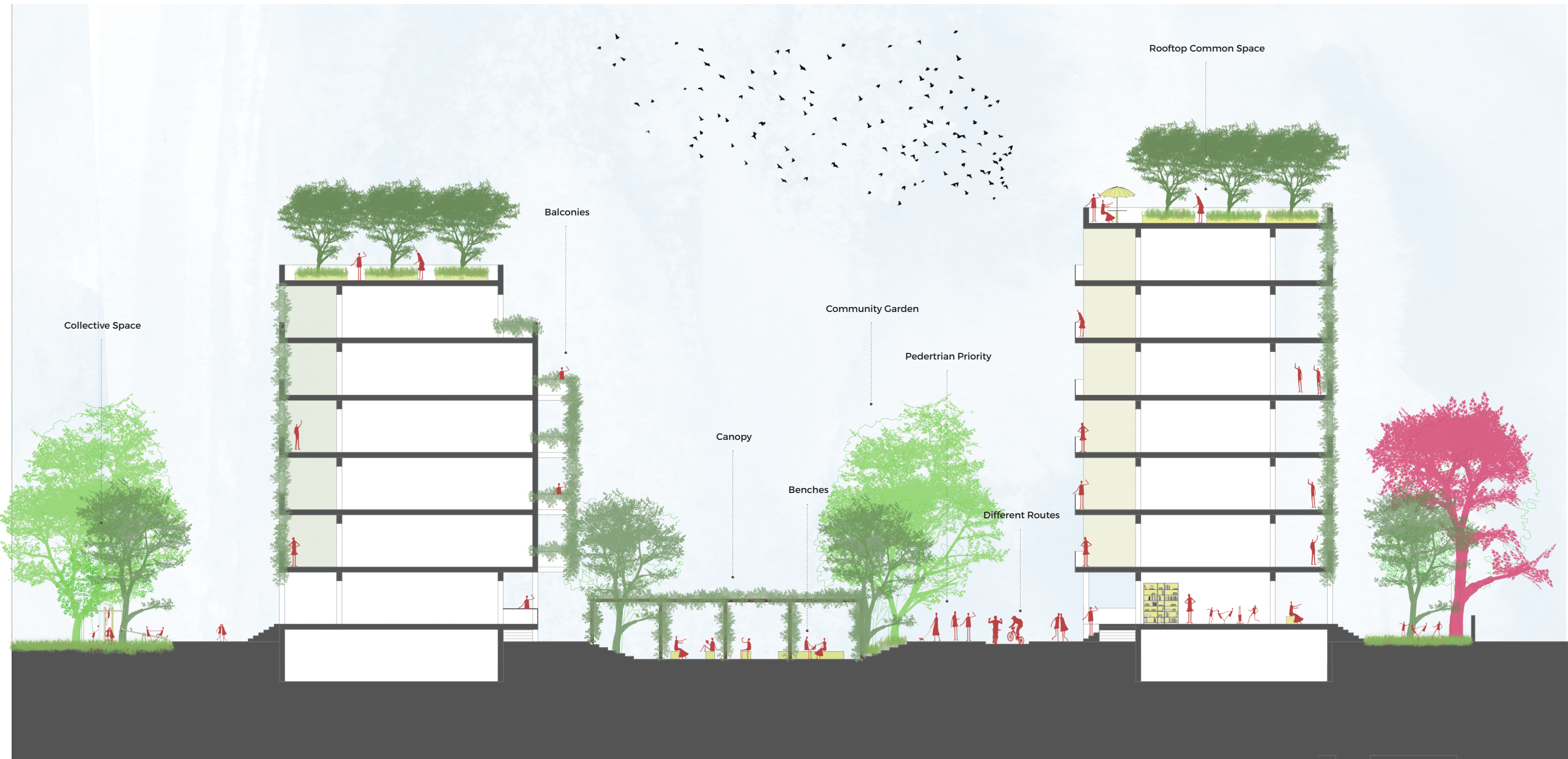


Streetscape Intervention
Source: Author



Zoom- In Areas

Section





Parking Lot
Source: www.google.nl/maps



Proposal for the Transformation of the Parking Lot

Source: Author

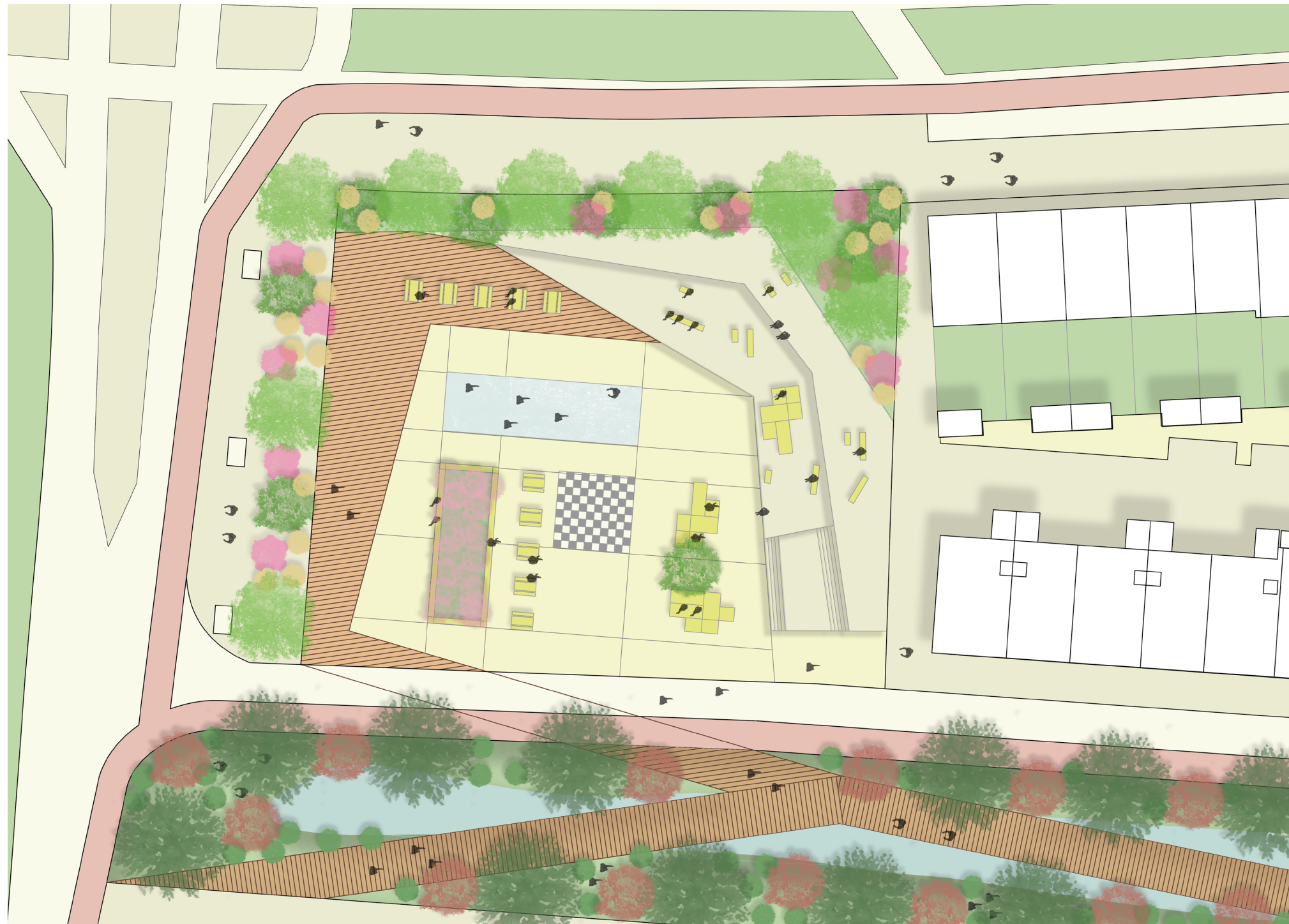
Conclusions



Impression of Streetscape Intervention

Source: Author

Instance of Linear Park



New Neighbourhood Space
Source: Author