The 0th Place

Utilizing Urban Cracks as Experimental Sites



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Msc Urbanism TU Delft

What if the most neglected spaces in our cities held the key to our urban future?

1.0 Introduction

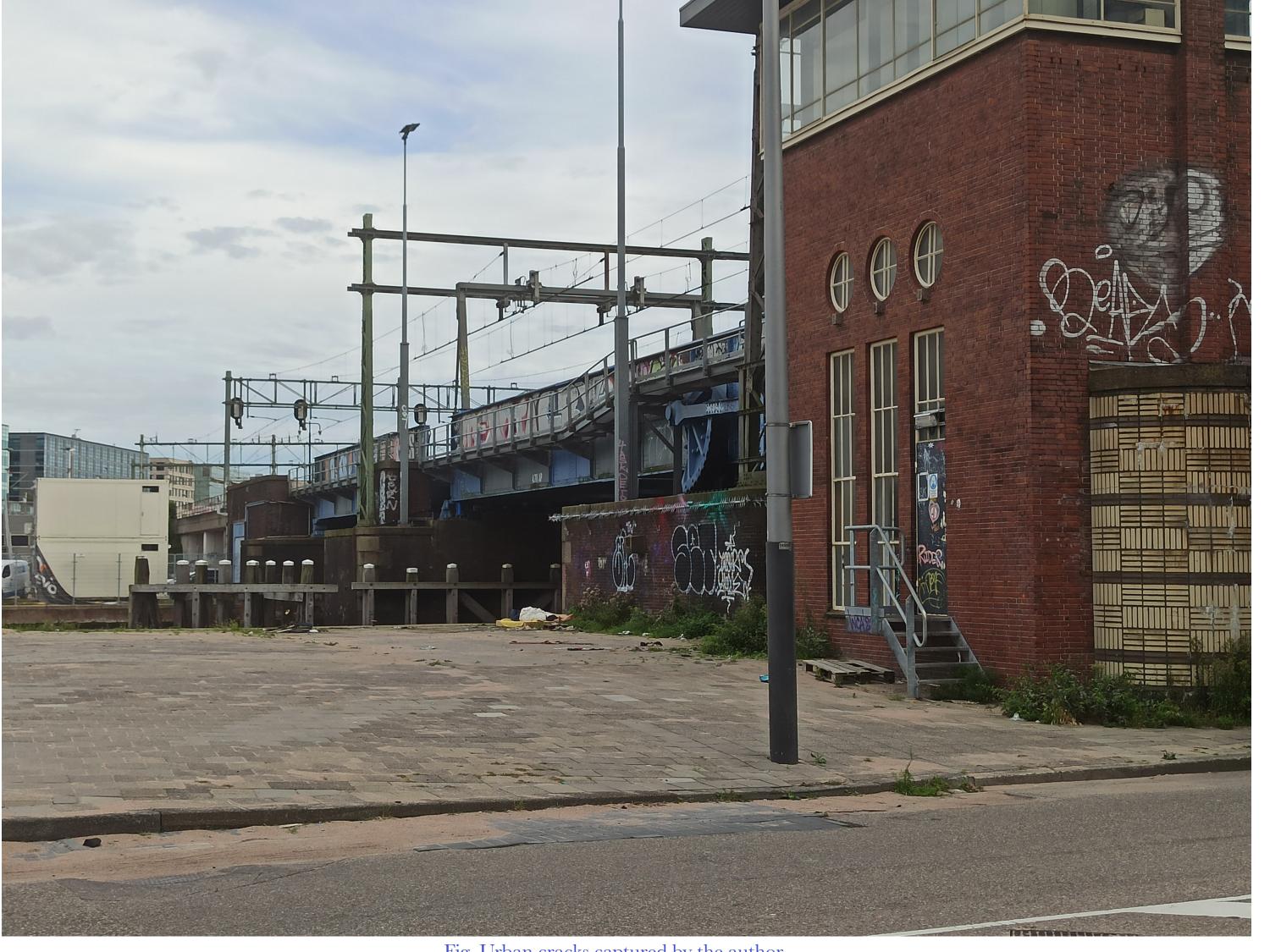


Fig. Urban cracks captured by the author



Fig.Urban cracks captured by the author



Fig.Urban cracks captured by the author

"Urban cracks"



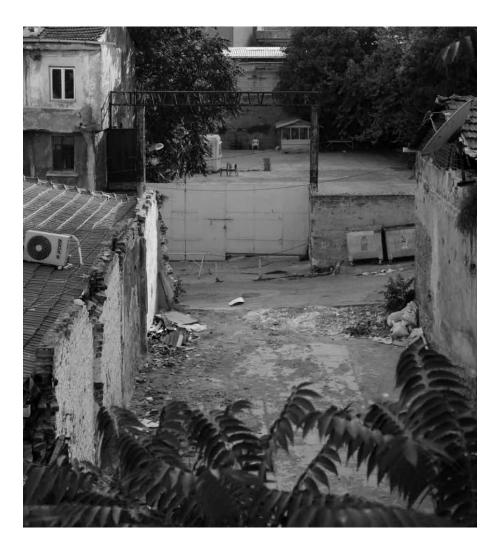
interstice, playground, borderland, transit zone, **in-between space**, pauzelandschap, **urban void**, wasteland, non-lieu, brownfield, shadow space, **terrain vague**, residual space, Freiflach, indeterminate space, no-man's-land, dead zone, raw space, tussenland, **heterotopia**, sluipgroen, urban sprawl, space of uncertainty, **urban cancer**, etc. (**Steel, Eeghem, Verschelden, & Dekeyrel, 2012**).



Fig.Urban cracks captured by the author











Streets, Parks, Squares

Infrastructure

Vacant Lots

Sidewalks

Buildings



The goal of the project is to understand urban cracks and uncover their potential.

1.0 Introduction

2.0 Research Design

3.0 Design Research

4.0 Design

Problematization

Methodology

Analysis

Design

Urban cracks are present in **every city**; in Rotterdam, the **Brandgrens** serves as the **entry point** for **discovering** them.



Fig. Arial view on Rotterdam



Fig. Arial view on Rotterdam after the bombing in WWII (https://www.mediastorehouse.co.uk/p/767/composite-photograph-taken-raf-reconnaissance-21891866.jpg.webp)

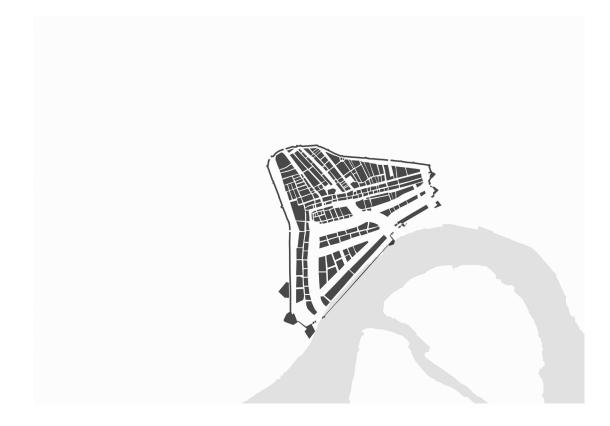






Fig. Rotterdam Nolli map 1815

Fig. Rotterdam Nolli map 1918

Fig. Rotterdam Nolli map 1948

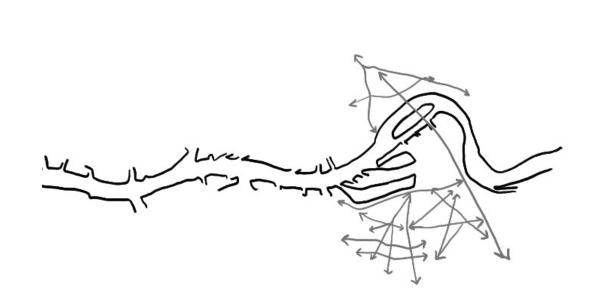
Fig. Rotterdam Nolli map 2023

Center

Expand

Center bombed

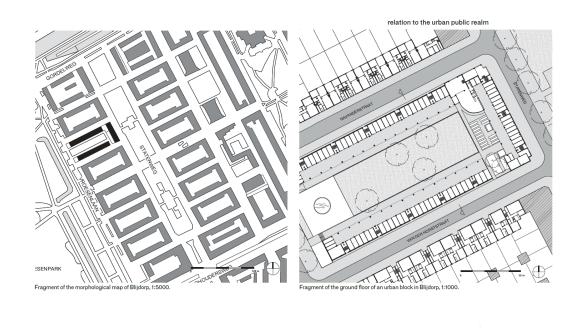
Redevelop



Implementation of Fan-Like Road Pattern in Southern

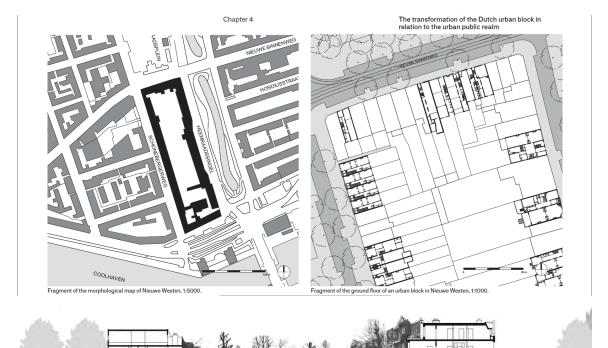
Areas

Adoption of Grid-Like Structure on North Bank with
Creation of Canals





Plans and perspective cross-section of an urban block in Blijdorp (Komossa, S, 2010).



Plans and perspective cross-section of an urban block in Nieuwe Westen (Komossa, S, 2010).

1900s-1930s:

Introduction of **fan-like road pattern**s and **grid-like structures potentially** created urban cracks at intersections or **irregularly** shaped areas.

1970s - 1980s:

Densification campaigns and introduction of **vertical** elements may have left urban cracks in densely built neighborhoods.

1900s-1930s:

Mixed-use streets and **closed urban blocks** created **hidden** areas.

1930s-1950s:

Modernist designs introduced open spaces between buildings.

Post-WWII Reconstruction Period:

Diverse building types and layouts led to potential unused spaces.



Fig. https://www.buzzfeed.com/sydrobinson1/aerial-views-cities-of-theworld



Fig. https://i.pinimg.com/originals/2b/5c/8e/2b5c8e0a8a5ee5173e-2a2d67dd777d08.jpg

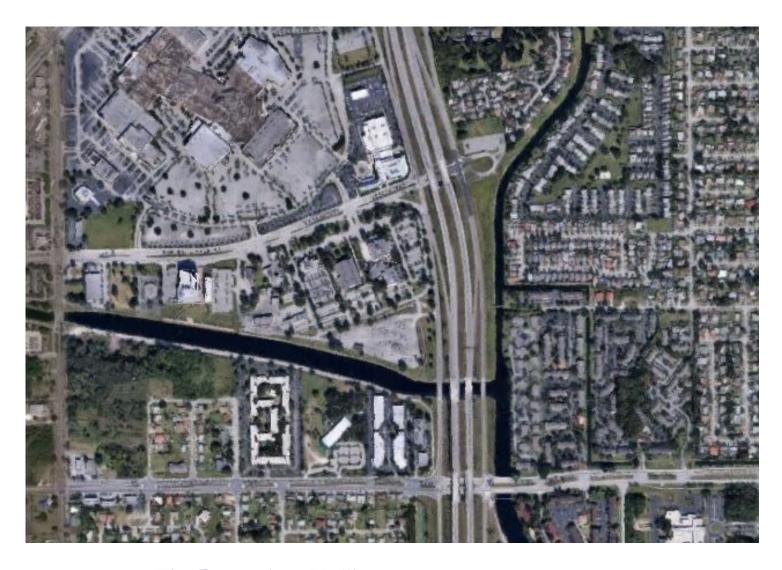
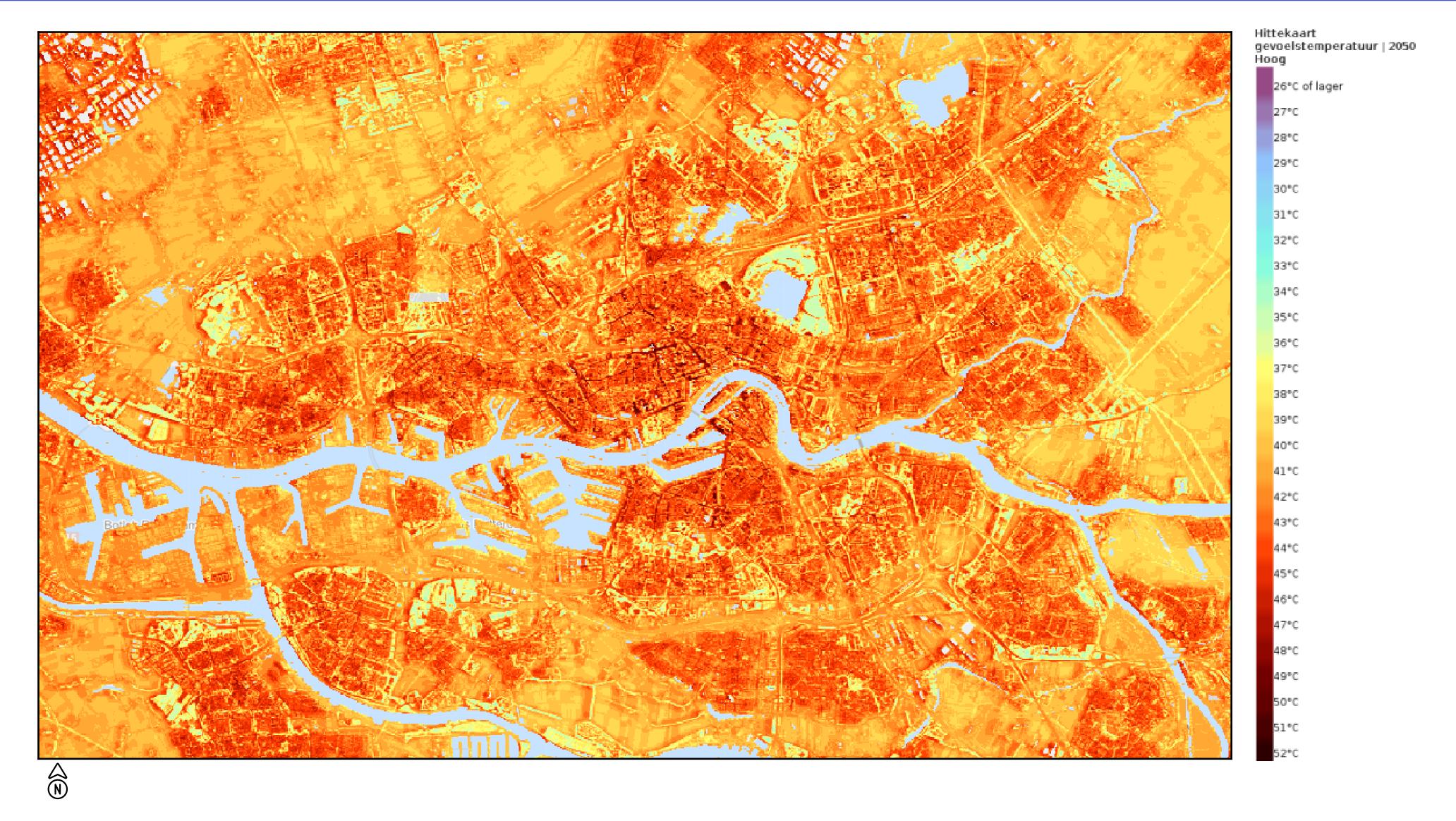
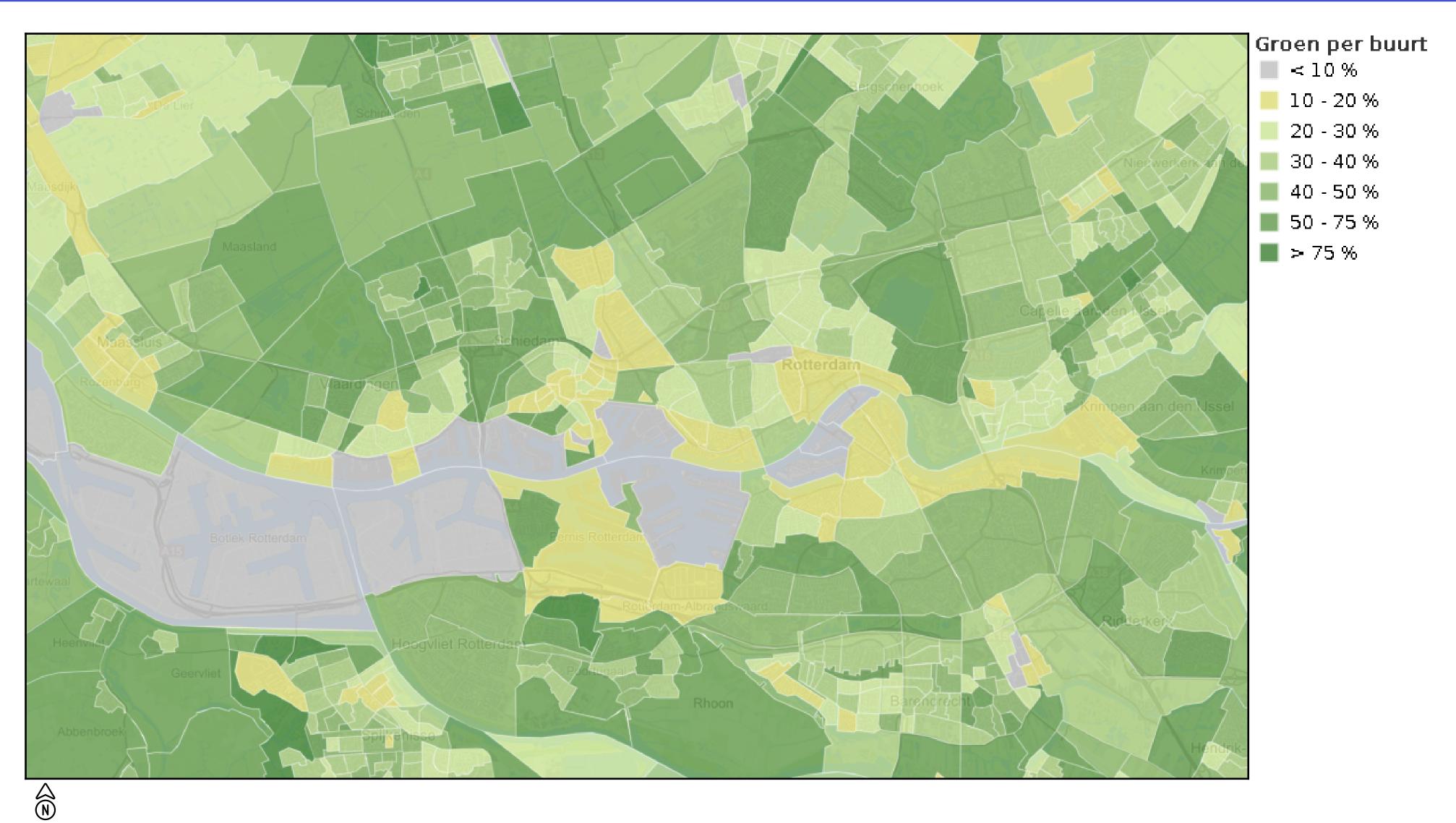


Fig. Rotterdam Nolli map 1948

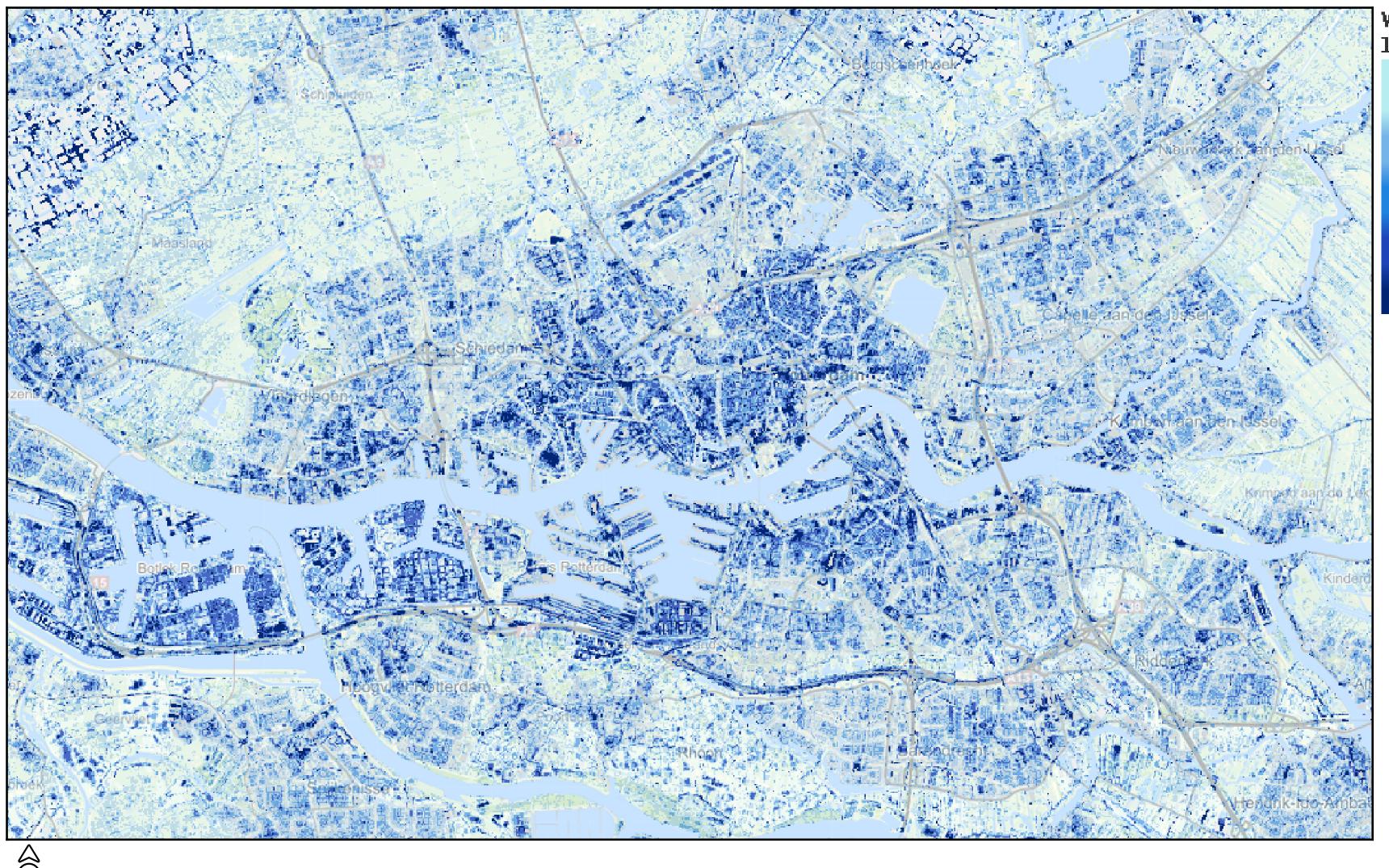
As long as new development occurs, urban cracks will persist.



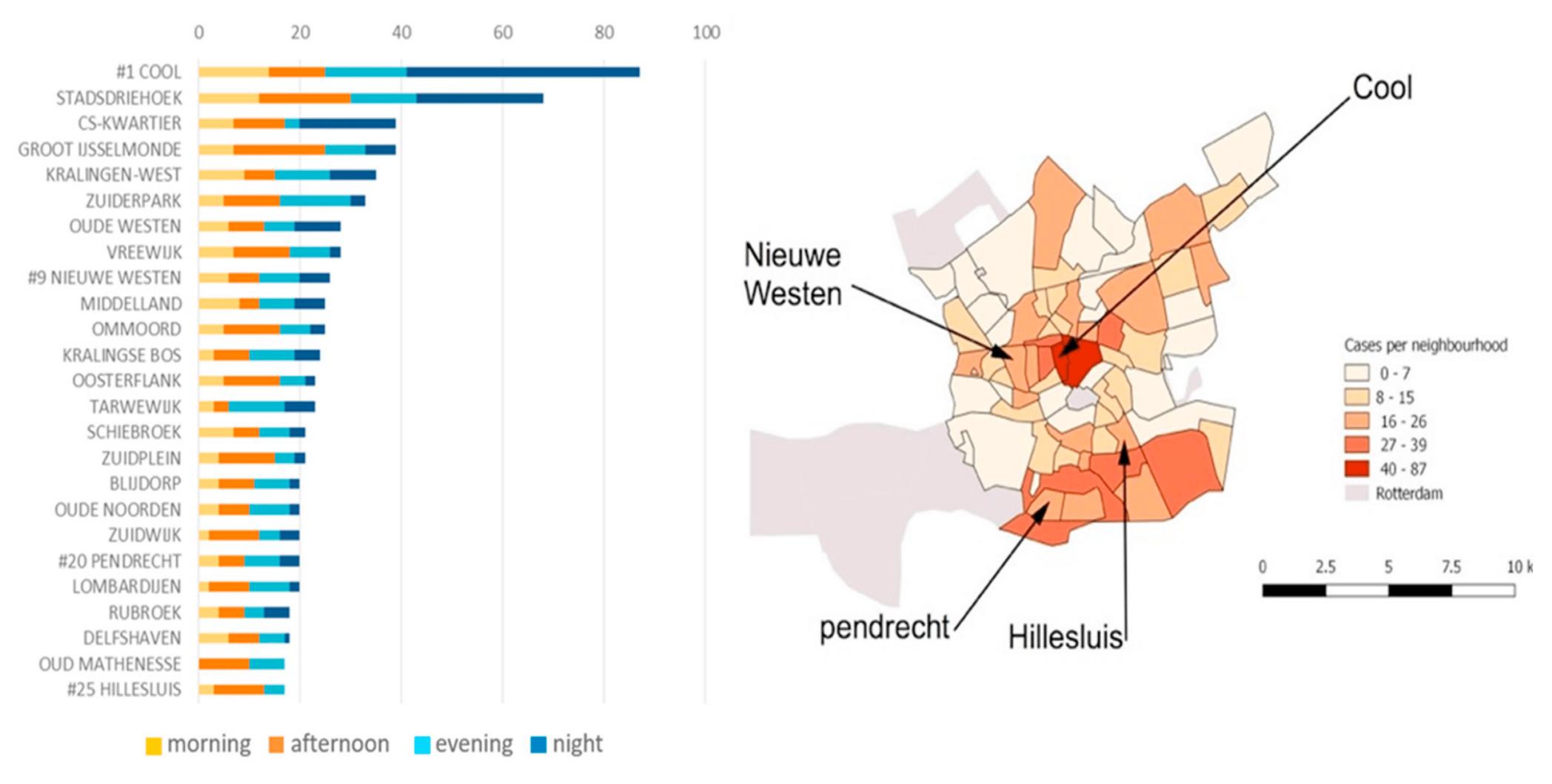
Rotterdam has a notable urban heat island effect, with temperature differences between urban and rural areas reaching up to 8 degrees Celsius during windless summer nights. (https://www.klimaateffectatlas.nl/nl/)



Current **greenery** coverage in **Rotterdam's** urban area is around 22%. The target for **2030** is to increase this to **35%** to help mitigate heat stress and improve overall climate resilience. It can be observed that the **center** has the least amount of greenery, ranging between **10-20%** (https://www.klimaateffectatlas.nl/nl/).



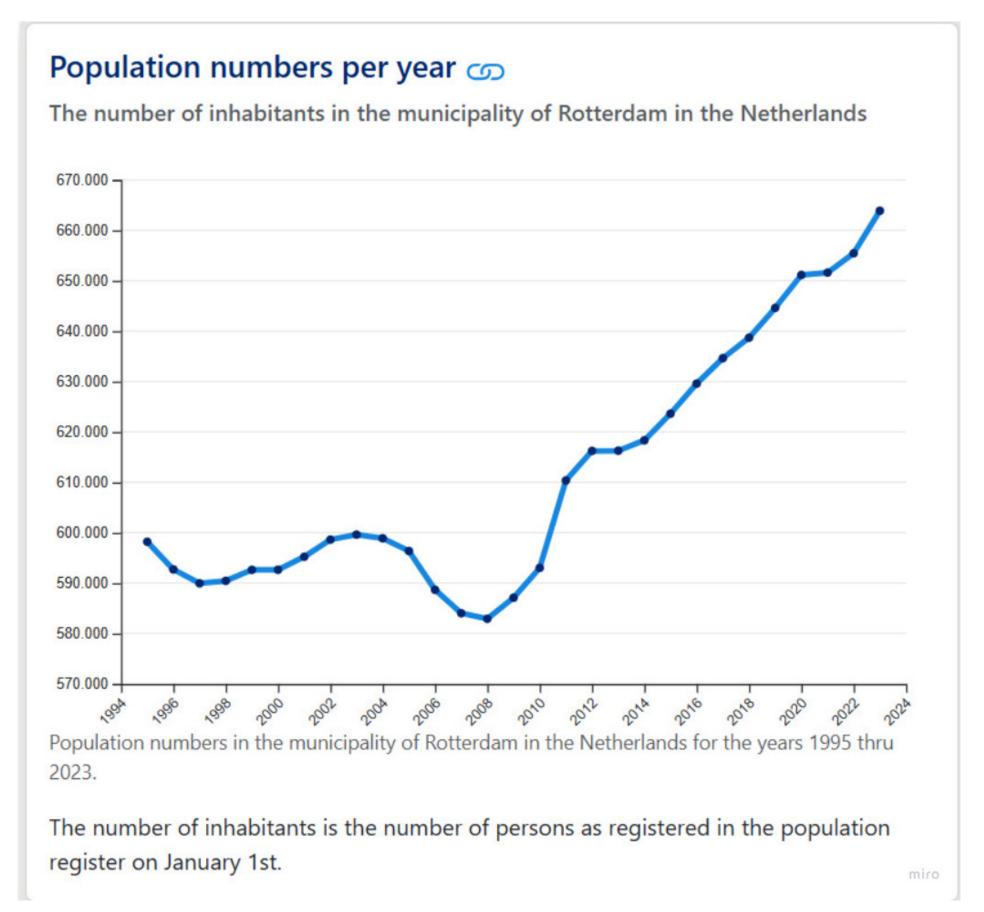
- 5 10 cm
- 10 15 cm
- 15 20 cm
- 20 30 cm
- > 30 cm



Crime rate

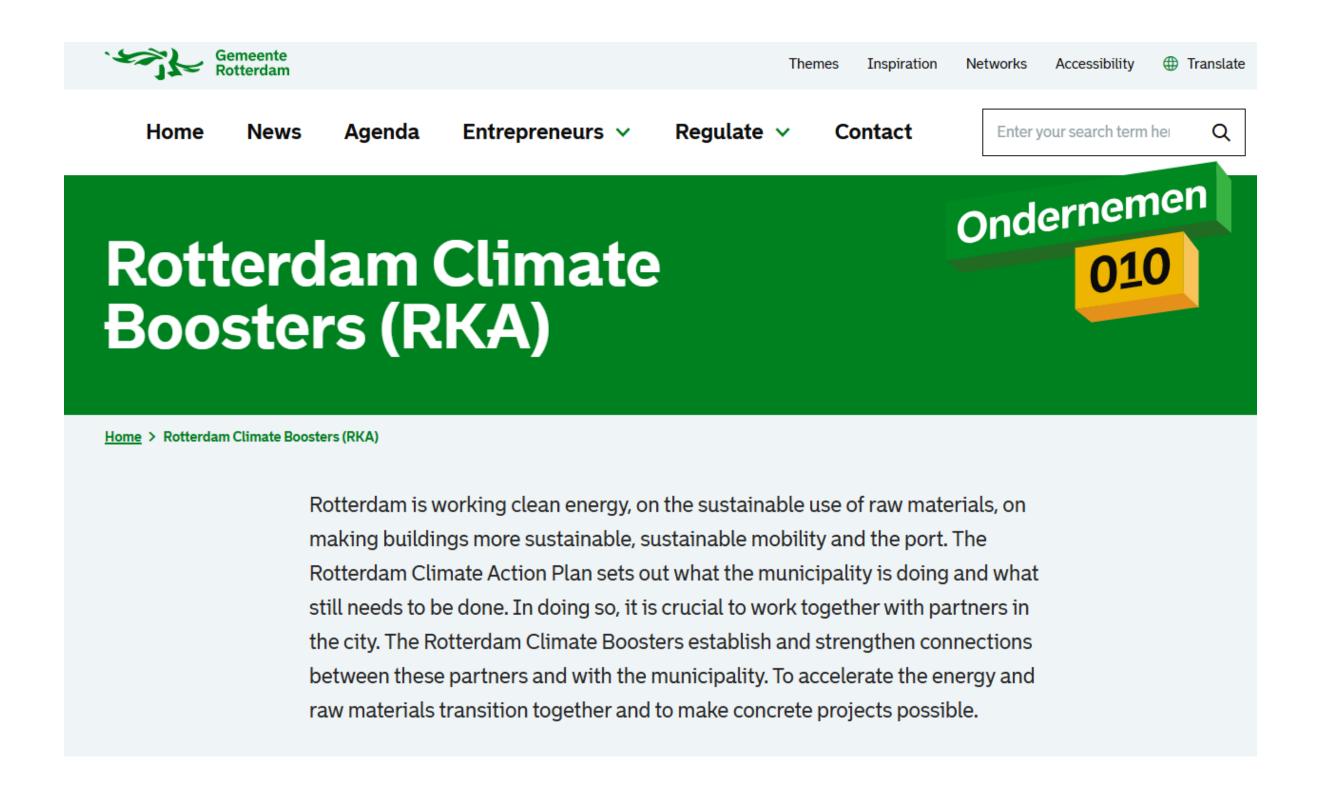
Analyzing the dispersal of sexual violence cases in Rotterdam at the neighborhood level, based on data from the Rotterdam police (January 2012–June 2017), highlights areas needing safety

1.0 Introduction Related Trends



Density

Given the expected population 1.048 million by 2030 in Rotterdam (cbs.nl), enabling new public spaces presents a significant challenge.https://allcharts.info/the-netherlands/municipality-rotterdam/



circular society-economy and a climate-resilience

Fig.31 In 2019, the Rotterdam government and over 100 companies and organizations signed the Rotterdam Climate Agreement. The agreement outlines measures to achieve a fully circular society and a climate-neutral city by 2050. It emphasizes reducing greenhouse gases and promoting a CO2-free economy3. (https://www.ondernemen010.nl/rotterdamse-klimaataan-jagers-rka/)

1.0 Introduction Related Challenges

In light of the challenges posed by the expected population growth in Rotterdam and the various urban issues highlighted, **Urban cracks** serve as **both** the **breeding ground** for urban challenges and the **potential solution**.

1.0 Introduction Research Framework

[Research question]:

How can the 'urban cracks' in Rotterdam, particularly within the **Brandgrens** area, be revitalized to foster resilience, vibrancy, and inclusive placemaking, while mitigating social, economic, and environmental challenges?

1.0 Introduction Research Framework

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How can the 'urban cracks' in Rotterdam, particularly within the **Brandgrens** area, be revitalized to foster resilience, vibrancy, and inclusive placemaking, while mitigating social, economic, and environmental challenges?

[Sub-Research question 1]:

What spatial characteristics and physical features define urban cracks, and how can they be distinguished from other urban spaces?

(Analytical **Identification** of Urban Cracks)

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how do these contribute to the vitality of the city?

(Analytical **Identification** of Urban Cracks) (Investigating the **potential** of the urban cracks) 1.0 Introduction Research Framework

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urban spaces?

(Analytical **Identification** of Urban Cracks)

(Investigating the **potential** of the urban cracks)

Design possibilities)

1.0 Introduction Research Framework

[Research Aim]:

Redefine urban cracks as resilient and vibrant places (0th place) through tactical urbanism interventions to enhance Social Integration, Economic Equity, and Climate Resiliency. Investigate the relationship between urban cracks and the broader urban fabric to understand their influence on city dynamics.

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What is the 0th Place, and Why the 0th Place?

In **sociology** literature, **places** are defined by **how people occupy them** in their daily lives.

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2.0 Research Design 0th Place

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-The **second place** is the **workplace** or **school**

2.0 Research Design 0th Place

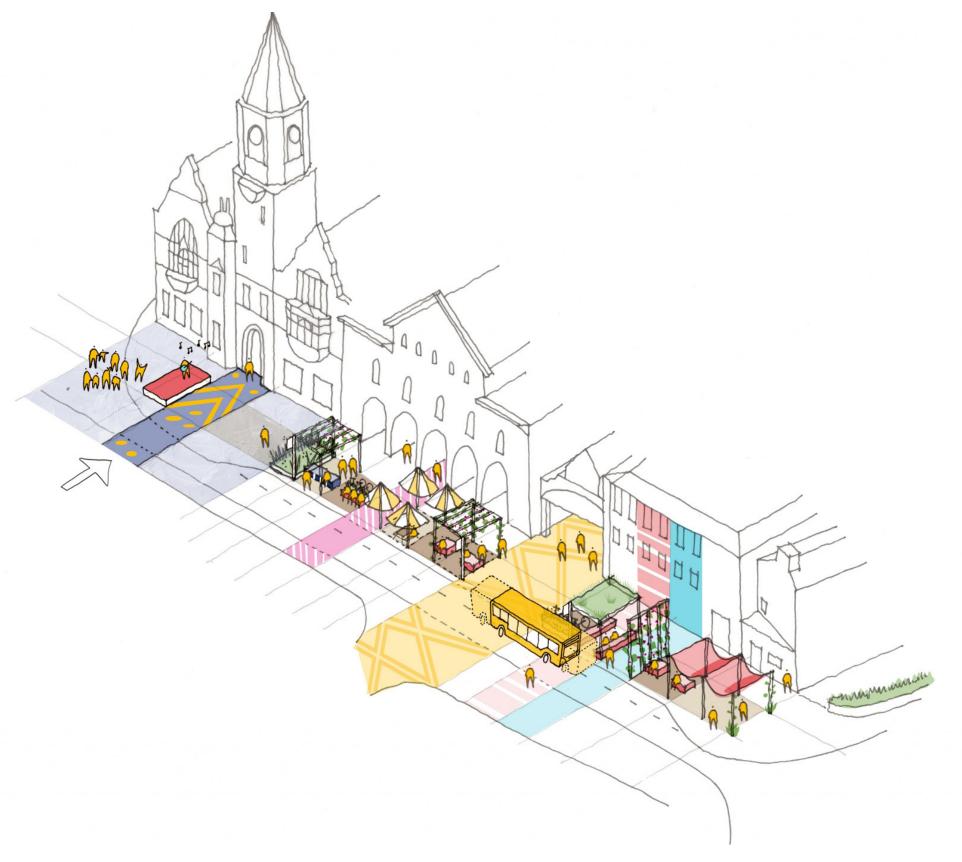
In **sociology** literature, **places** are defined by **how people occupy them** in their daily lives.

- -The **first place** is the **home**
- -The **second place** is the **workplace** or **school**
- -The third place is where people gather and interact outside of their first two places. This concept of first, second, and third places was introduced by Ray Oldenburg.

2.0 Research Design 0th Place

The idea of the **0th place** emerged as a **response** to **non-places**—spaces that are either **feared** or **purely transitional**. But what if there was **a space** that could **evolve** over time and **adapt** to **different uses** by different groups?

The "0th place" is a concept that refers to a theoretical social space acting as a reset point for place identity(1st,2nd, non-place,etc). It serves as a potential nest for new, site-specific functions within urban design and sociology. It is a space of freedom and encounter that challenges traditional interpretations of place.



https://bibostudio.com/town-gateways-design/?popup=public-realm-urban-design

2.0 Research Design

Tactical urbanism

[Research Aim]:

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2.0 Research Design Tactical urbanism

Tactical urbanism refers to a rapid, low-cost, and scalable approach for making temporary changes to the urban environment. It often involves short-term interventions in urban gathering areas, aiming to improve public spaces and address environmental, social, and economic challenges. These interventions can be seen as "bricks and mortar" street-level actions that animate tangible urban change (Elzenga, L., 2023).



An example for project aims. Activated Street with Wooden Intervention https://www.archdaily.com/799277

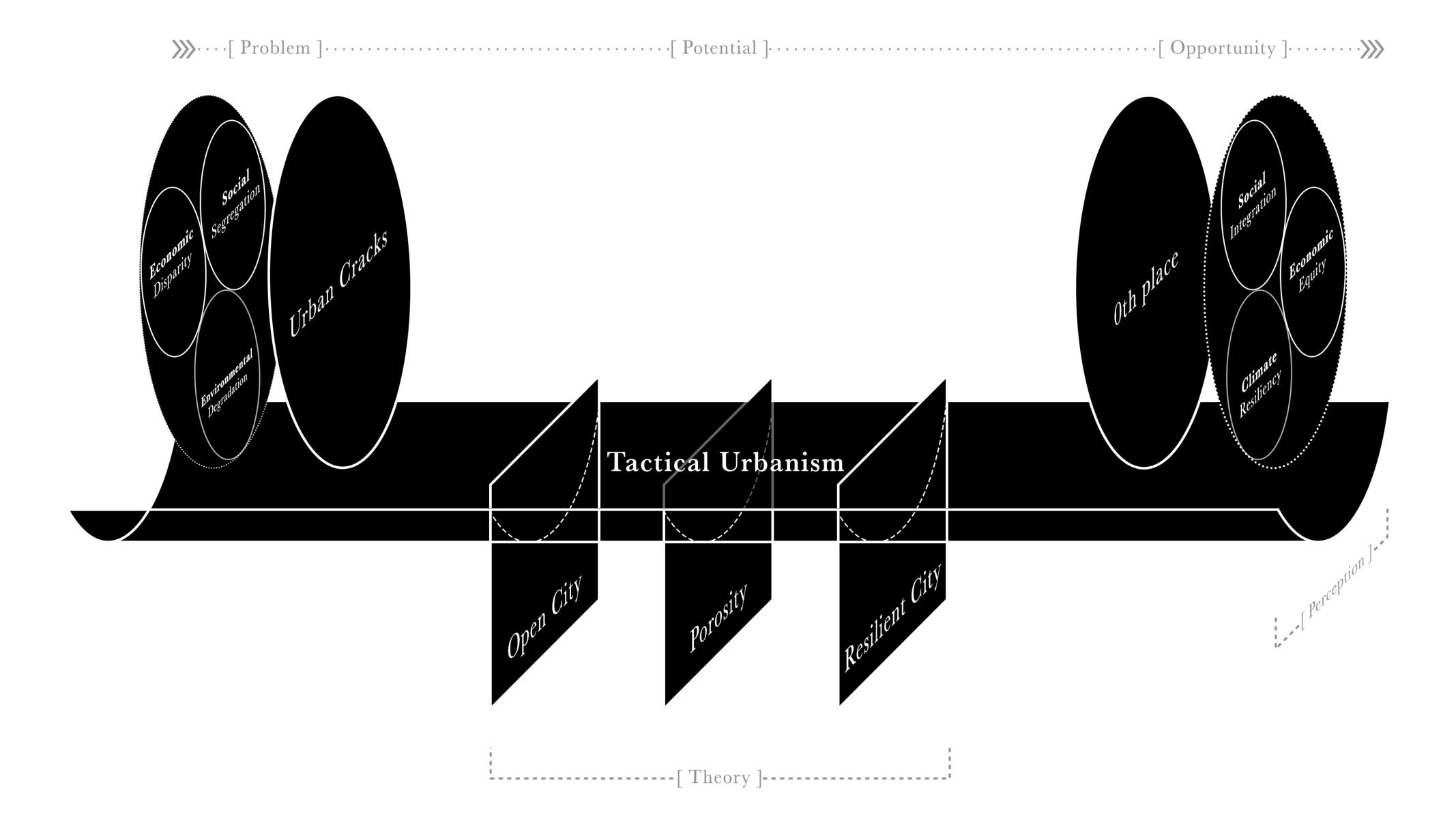
2.0 Research Design

Tactical urbanism

For me, tactical urbanism is about leveraging the outcomes of these small interventions by using design knowledge and skills, not solely relying on limited tactical urbanism tools. It's about pushing the boundaries of tactical urbanism with the help of thoughtful design to create meaningful and lasting impact.



An example for project aims. Activated Street with Wooden Intervention https://www.archdaily.com/799277



Method	[Sub-Research question 1]: What spatial characteristics and physical features define urban cracks, and how can they be distinguished from other urban spaces?	[Sub-Research question 2]: What are the existing and potential functions and activities that urban voids can accommodate, and how do these contribute to the vitality of the city?	[Sub-Research question 3]: What are the key characteristics of the '0th place' concept, and how does it differ from traditional urban spaces?		
Research by design approach					
Critical mapping					
Field work					
Data mining					
Morphological analysis					
Modeling					
Literature Review					
Expected outcomes	Identifying urban crack typologies as initial sites for in-depth problem investigation	Map of Opportunities: Design locations listed, high-lighting their potentials.	The result is the creation of a design and strategy through an eight-step process.		

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(Analytical **Identification** of Urban Cracks) (Inv

(Investigating the **potential** of the urban cracks)

[Sub-Research question 1]:

What spatial characteristics and physical features define urban cracks, and how can they be distinguished from other urban spaces?

(Analytical **Identification** of Urban Cracks)

Qualitative identification

Literature review:

The characteristics of urban cracks and distinguishable aspects will be defined through the examination of existing lit-

erature.

Fieldwork:

The spaces alongside the Brandgrens will be assessed through on-site evaluations.

Critical mapping:

Problems related to social, economic, and environmental aspects within the spaces will be identified through critical mapping.

Quantitative identification

Morphological analysis:

Space-syntax analysis

Critical mapping:

Mapping all the possible urban cracks

State/Condition	Buildings	Sidewalks	Streets	Parks	Squares	Infrastructure	Vacant Lots
Neglected	Neglected buildings	Neglected sidewalks	Neglected streets	Neglected parks	Neglected squares	Neglected infrastructure	Neglected vacant lots

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Inaccessible	Inaccessible buildings	Inaccessible sidewalks	Inaccessible streets	Inaccessible parks	Inaccessible squares	Inaccessible infrastructure	Inaccessible vacant lots

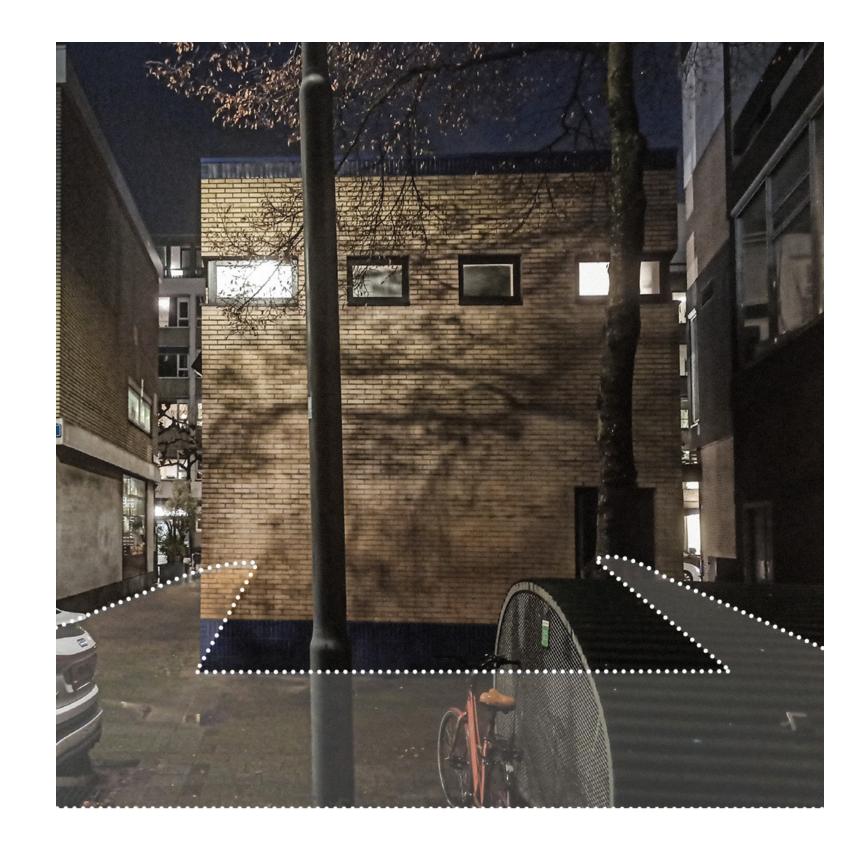
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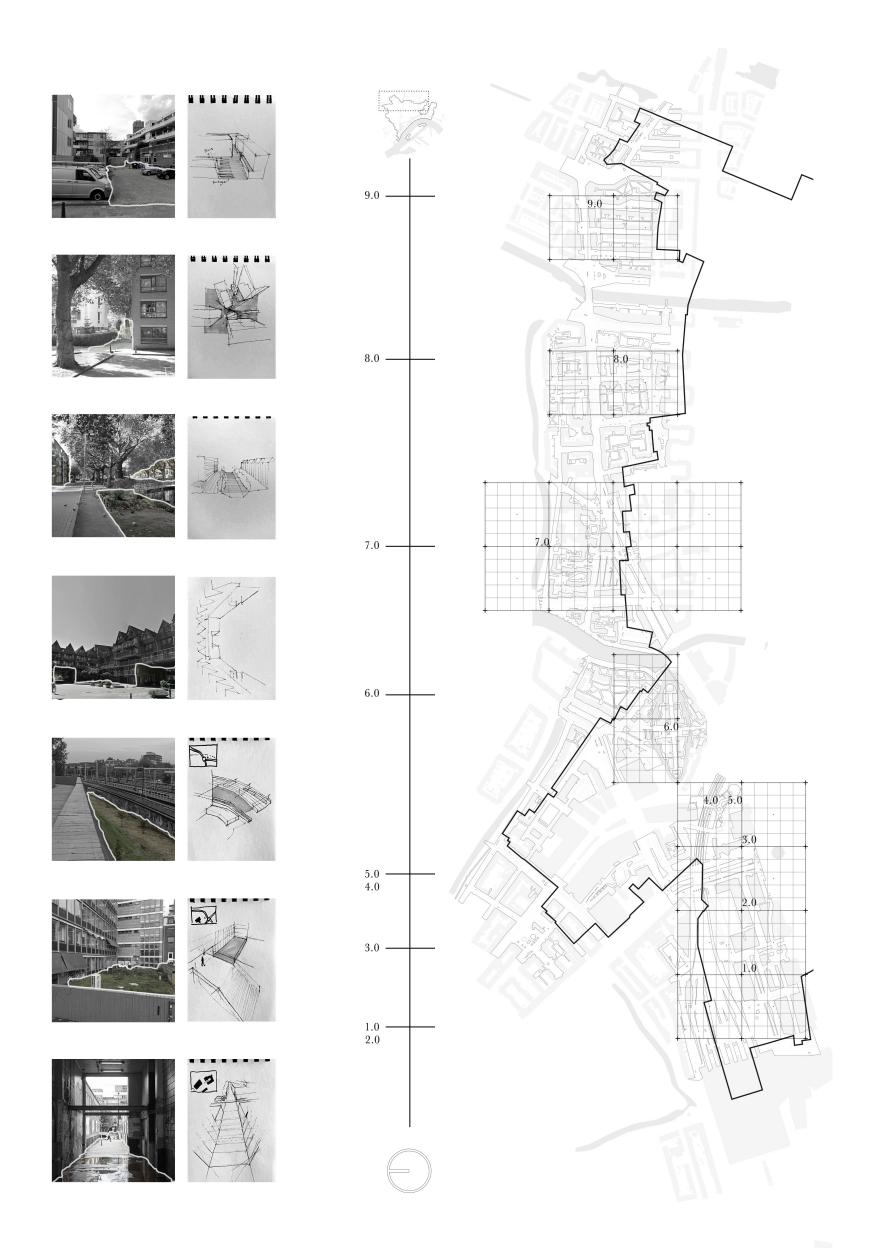
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Disorganized	Disorganized buildings	Disorganized sidewalks	Disorganized streets	Disorganized parks	Disorganized squares	Disorganized infrastructure	Disorganized vacant lots

Fieldwork









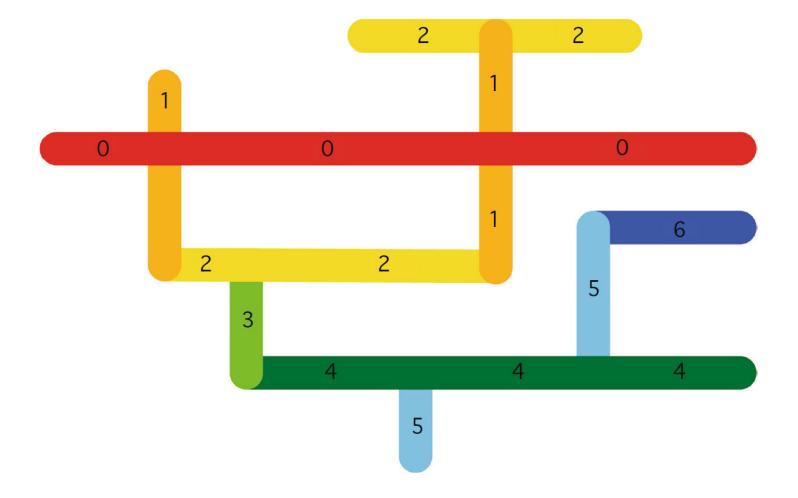


Critical mapping (Environmental) Critical mapping (Socio-Economic) wijkprofiel.rotterdam.nl Constitutedness = 0 High density of entrances no Intervisiblity

Qualitative Analysis conclusion

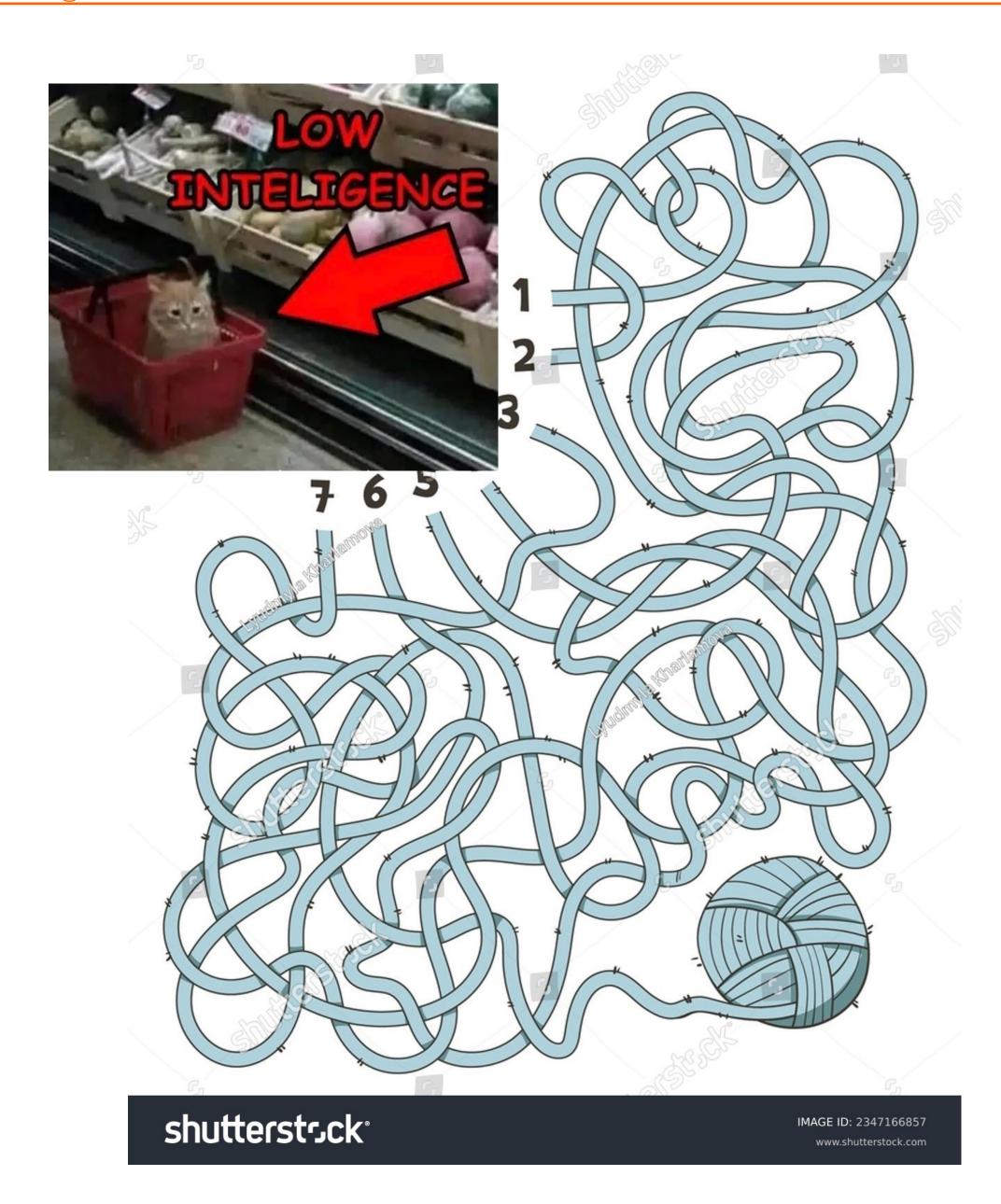
Initial urban cracks were mapped and found to be particularly vulnerable.

Quantitative identification



Angular Integration Analysis: how easily can a street be reached?

Scheme of how topological depth is calculated from a chosen street (step 0) Van Nes, A., & Yamu, C. (2021). Introduction to Space Syntax in Urban Studies

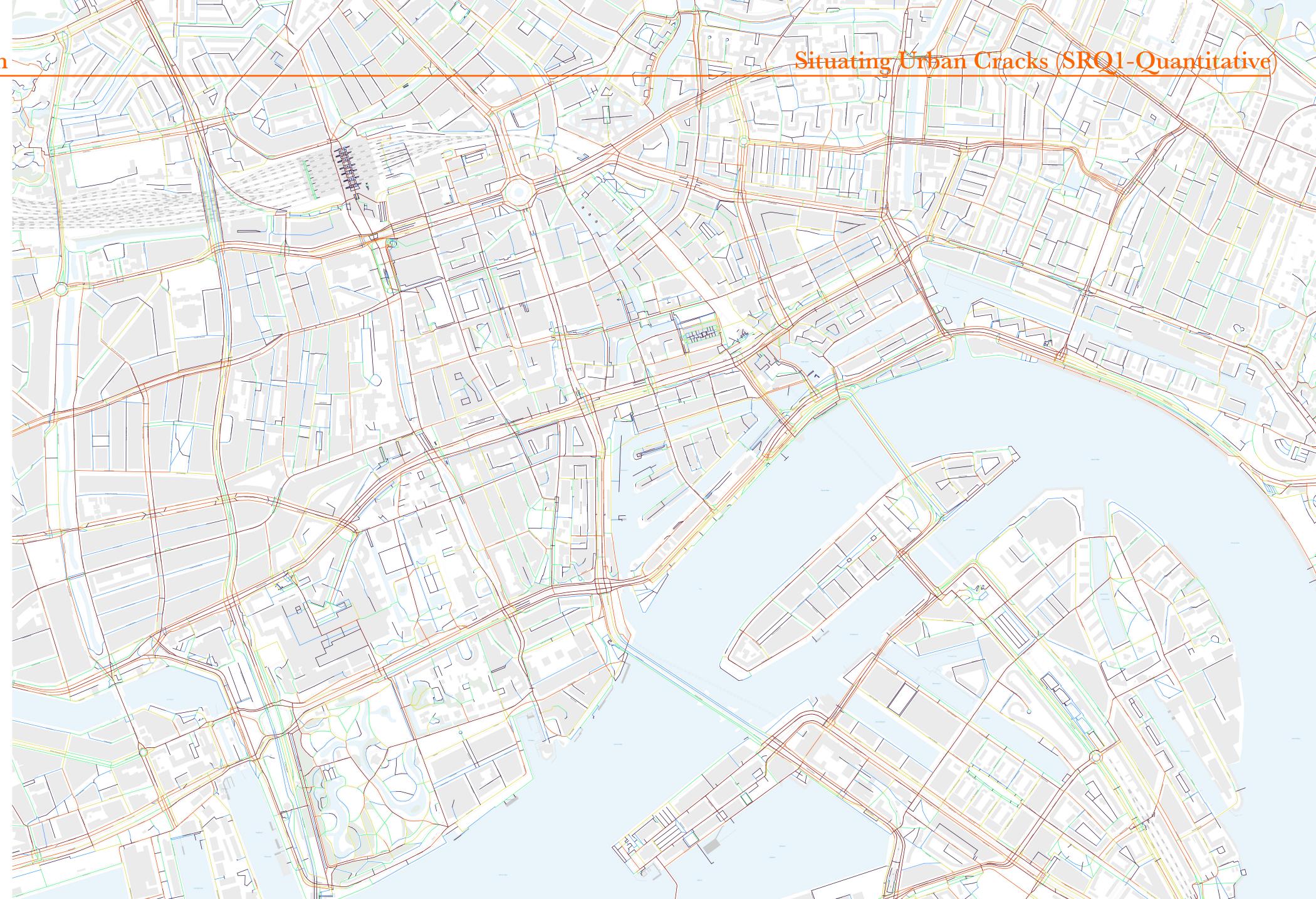


What is the easiest route to take?

3.0 Design Research

Angular Integration Analysis: how easily can a street/place be reached?

800 meters for pedestrian accessibility, where **red** the is **easiest** to be reached, and **blue** is the **least easily** reached



Situating Urban Cracks (SRQ1-Quantitative) 3.0 Design Research Isolating the **Blue** streets that are the least easily reached, for initial investigation. Coloring them red for clarity

Collectively, **315,000 square meters** is approximately equivalent to **44 soccer fields** or a significant portion of a large university campus. This is approximately the amount of underused and marginalized space within the Rotterdam city center area.



3.0 Design Research

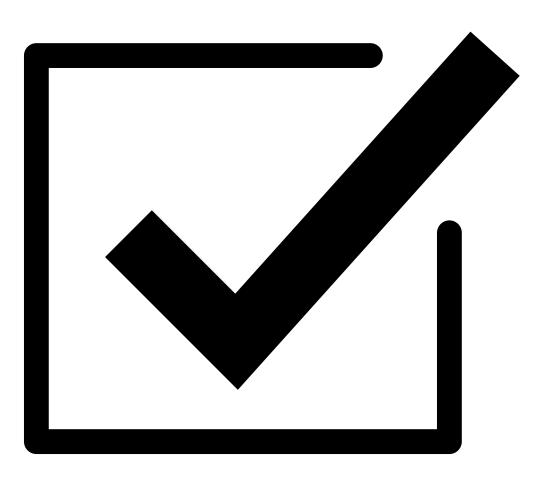
By intersecting the findings from quantitative and qualitative analyses, all the possible cracks were mapped.



[Sub-Research question 1]:

What spatial characteristics and physical features define urban cracks, and how can they be distinguished from other urban spaces?

(Analytical **Identification** of Urban Cracks)



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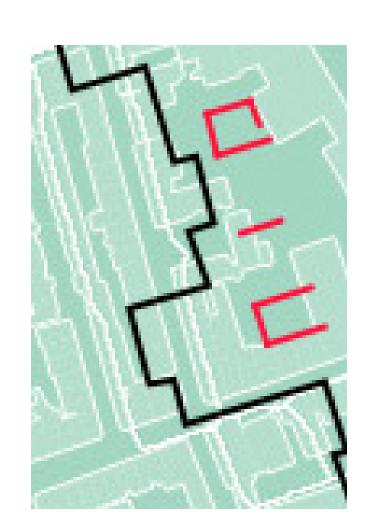
(Investigating the **potential** of the urban cracks)

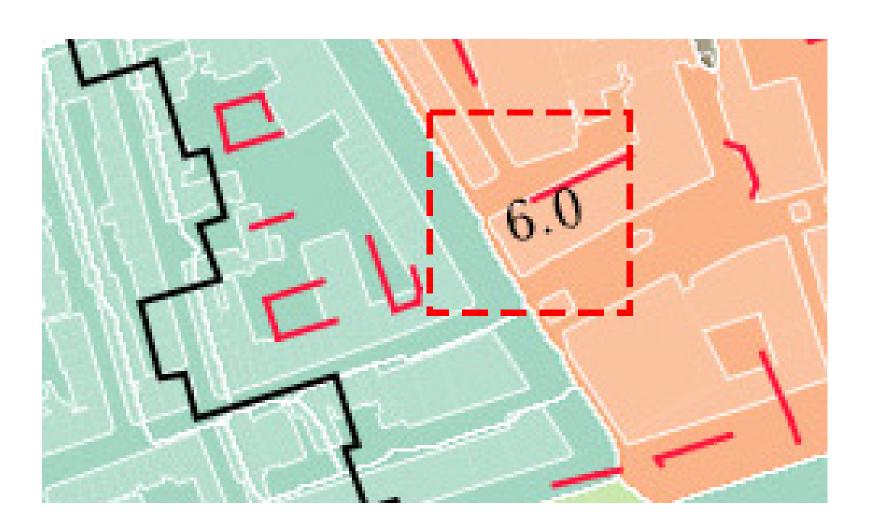
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Data mining
Morphological analysis





Density based analysis?

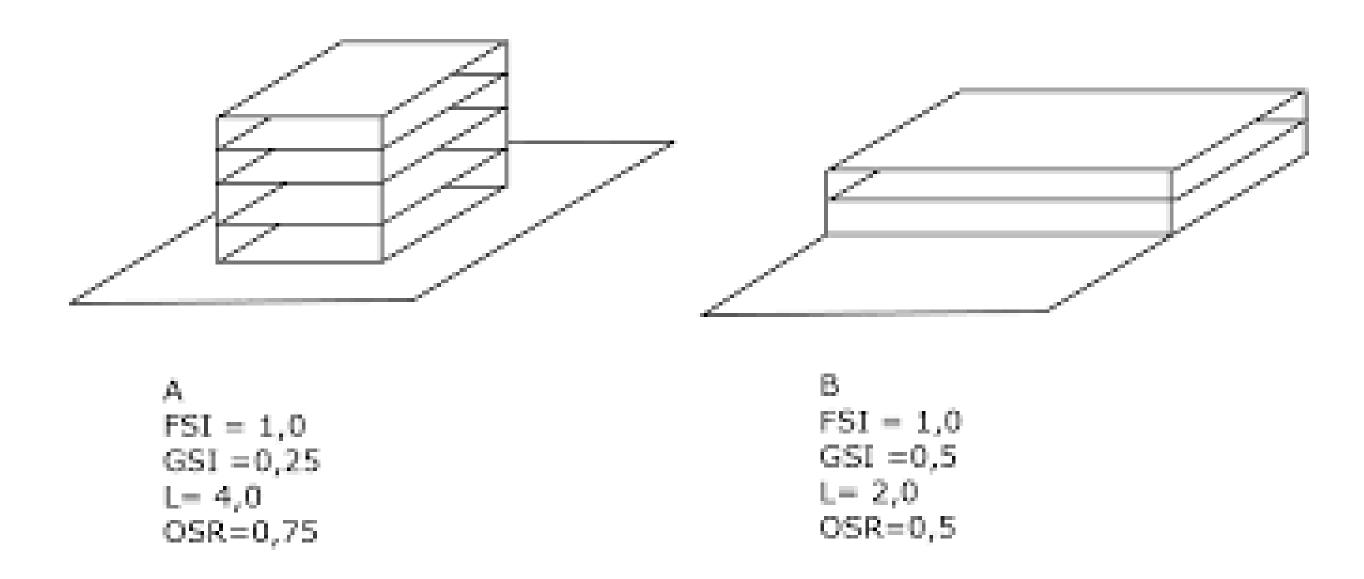
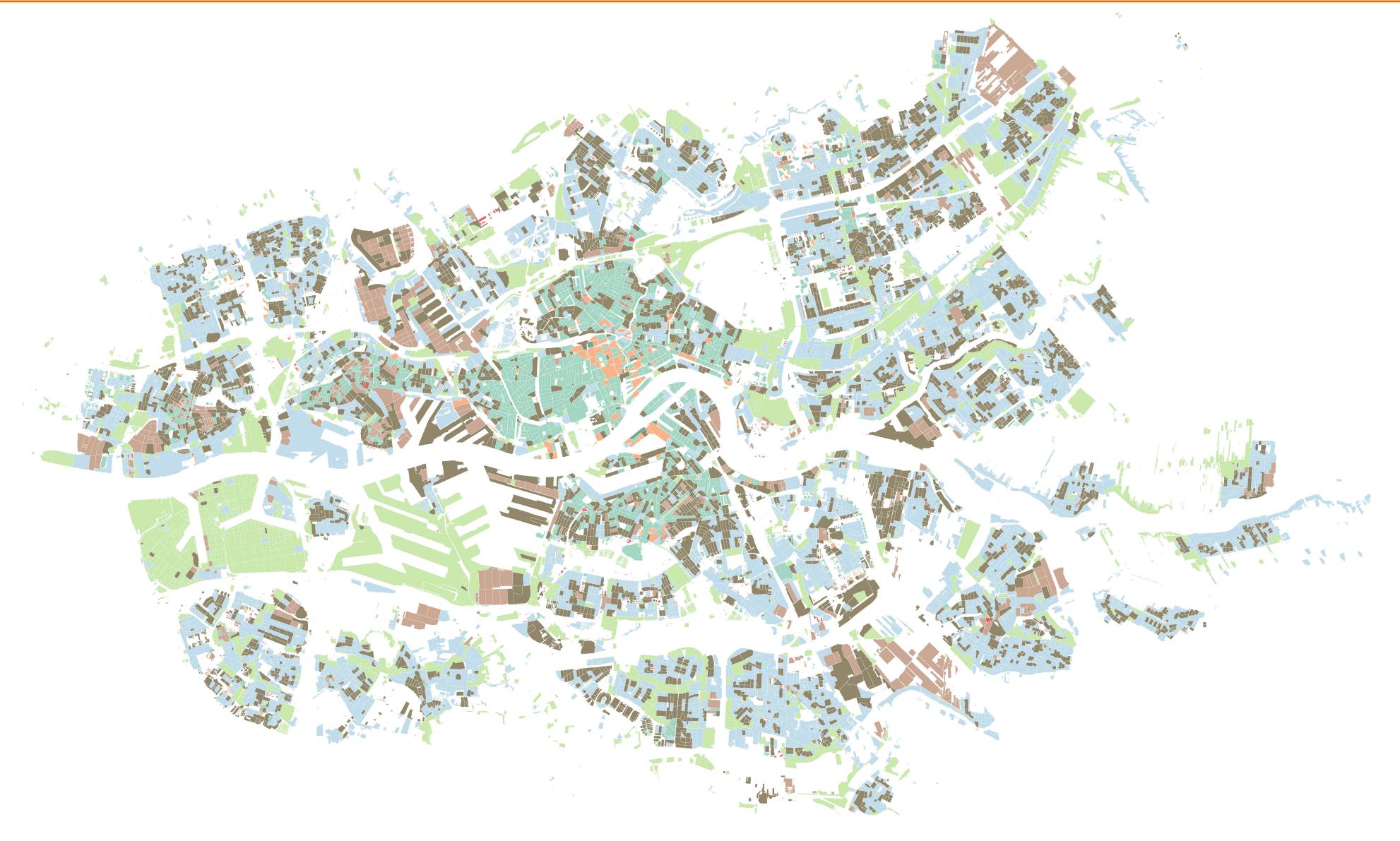


Fig.the Floor Space Index (FSI), Ground Space Index (GSI), number of Layers (L), and Open Space Ratio (OSR) (https://www.pbl.nl)

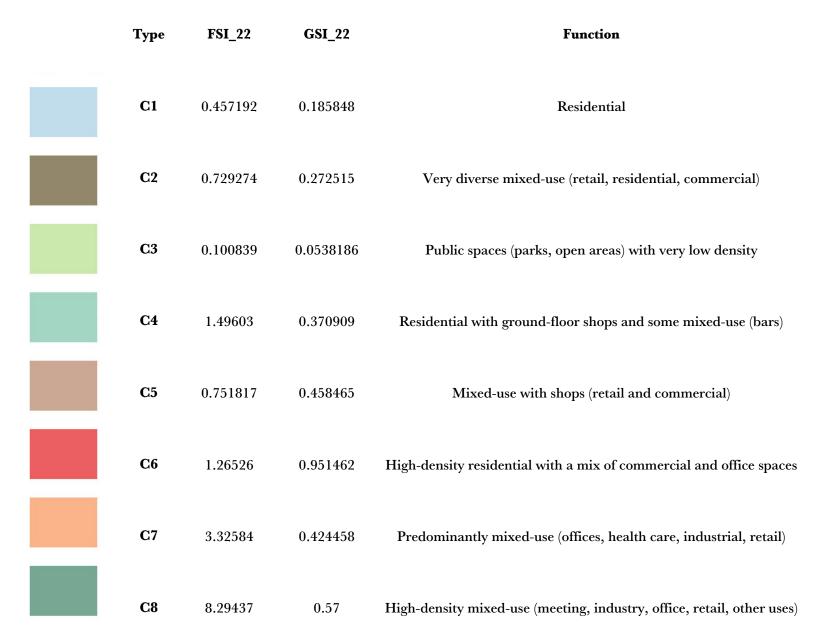


The typology was generated using Geoda and data from Rudifun_PV28_Zuid_Holland, employing the 'kmeans' method to create categories based on **FSI** and **GSI**. This resulted in **8 types**, **ranging** from **very dense** to **low density.**

- 7 F 3			
C 1	0.457192	0.185848	Residential
C 2	0.729274	0.272515	Very diverse mixed-use (retail, residential, commercial)
C 3	0.100839	0.0538186	Public spaces (parks, open areas) with very low density
C4	1.49603	0.370909	Residential with ground-floor shops and some mixed-use (bars)
C 5	0.751817	0.458465	Mixed-use with shops (retail and commercial)
C 6	1.26526	0.951462	High-density residential with a mix of commercial and office spaces
C 7	3.32584	0.424458	Predominantly mixed-use (offices, health care, industrial, retail)
C8	8.29437	0.57	High-density mixed-use (meeting, industry, office, retail, other uses)

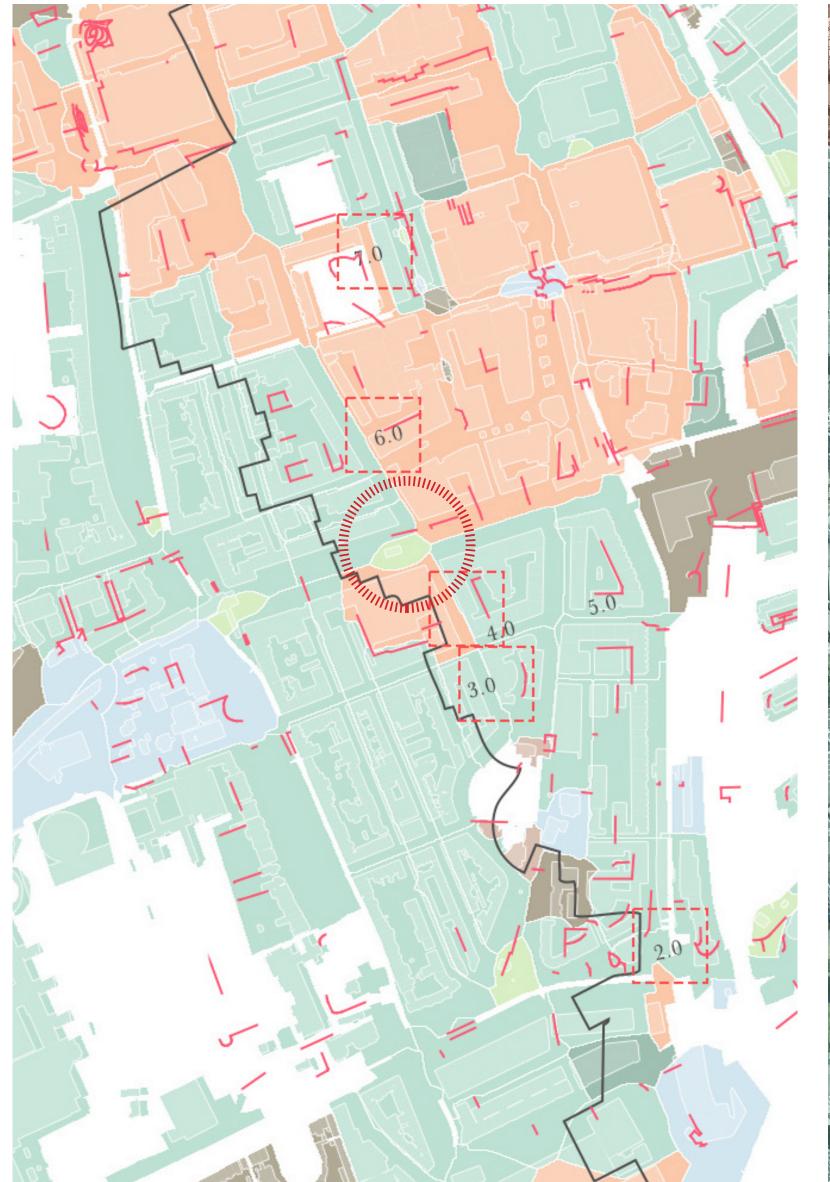


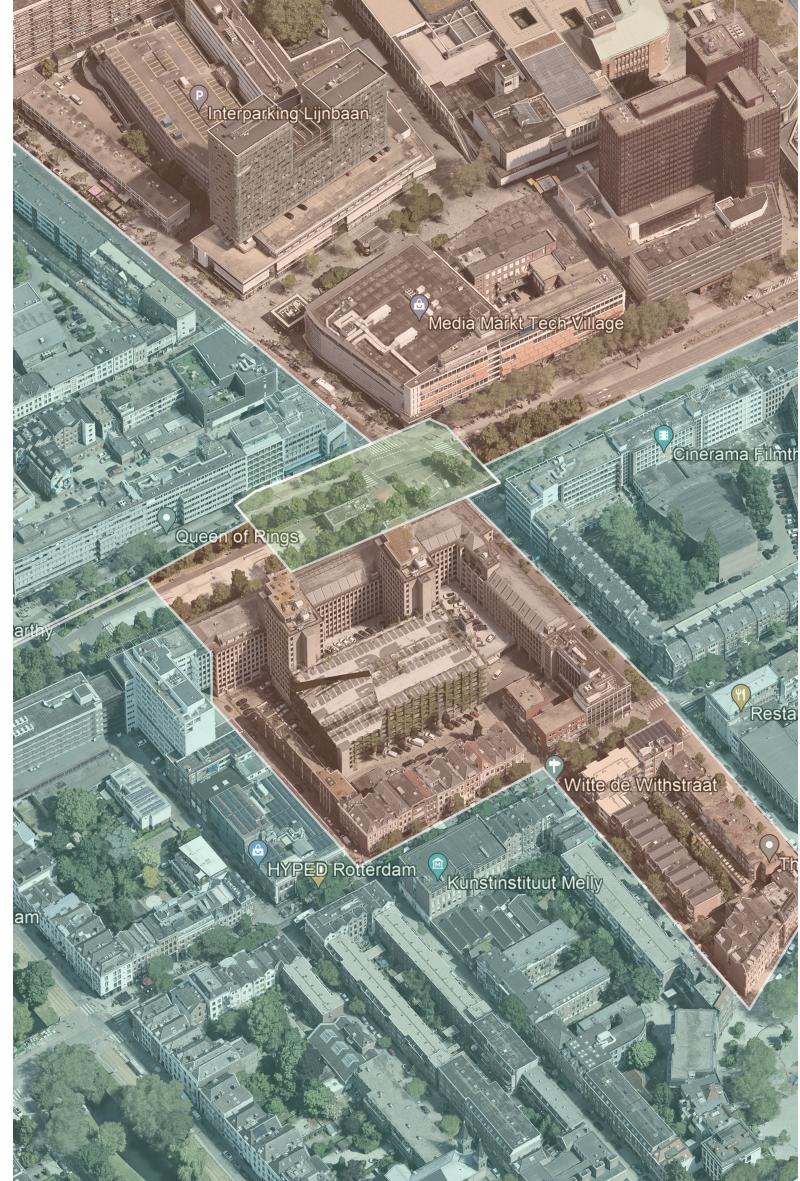
- C1) Low-density residential areas.
- C2) Moderate-density mixed-use areas.
- C3) Very low-density public spaces.
- C4) High-density residential and mixed-use areas.
- C5) Mixed shops with high density.
- C6) High-density areas with mixed-use areas.
- C7) High-density mixed-use areas.
- C8) Very high-density areas for meeting, industry, office, and retail functions.



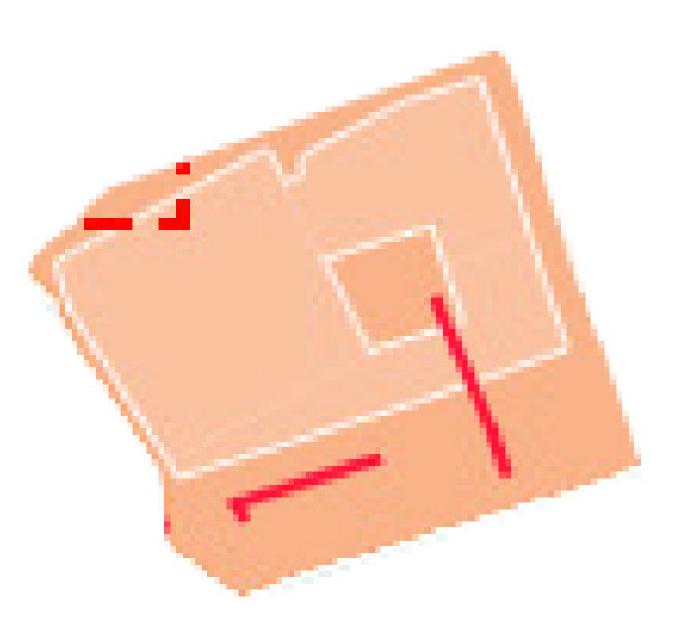


To understand the connections between the types, examine urban challenges and urgencies for each type to determine which urgency is most visible.

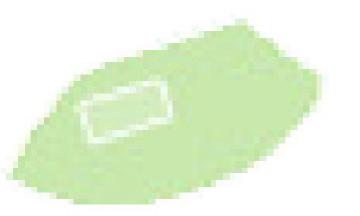




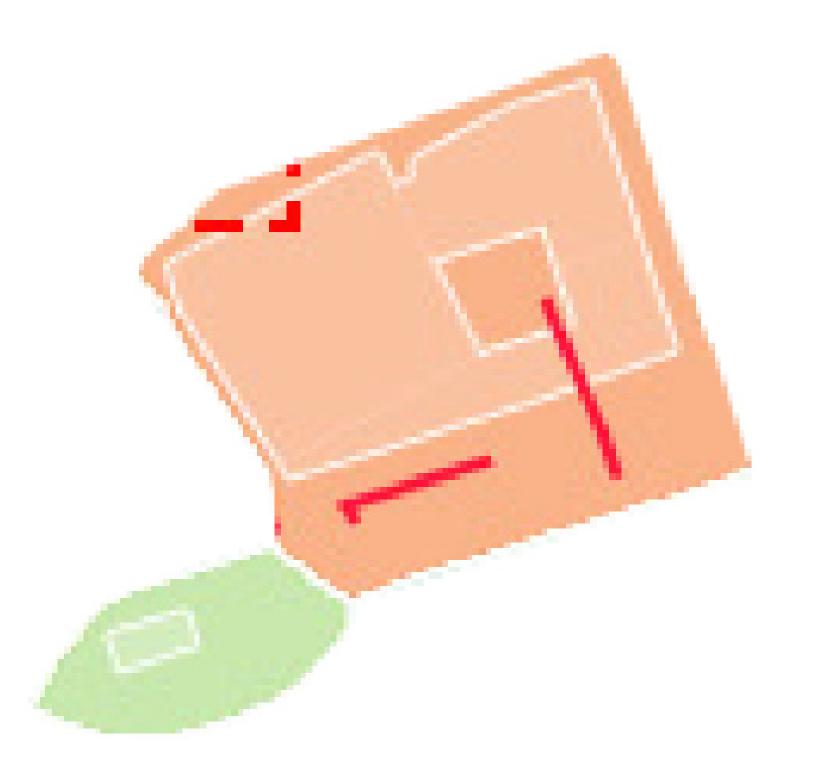
C7 (high density and mixed functions)



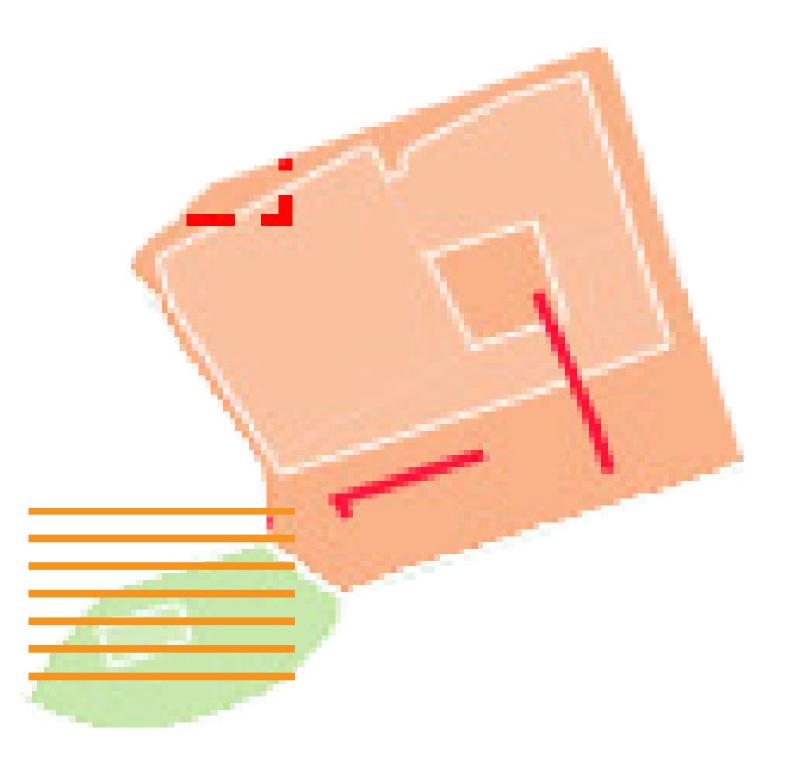
C3 (public with low density)



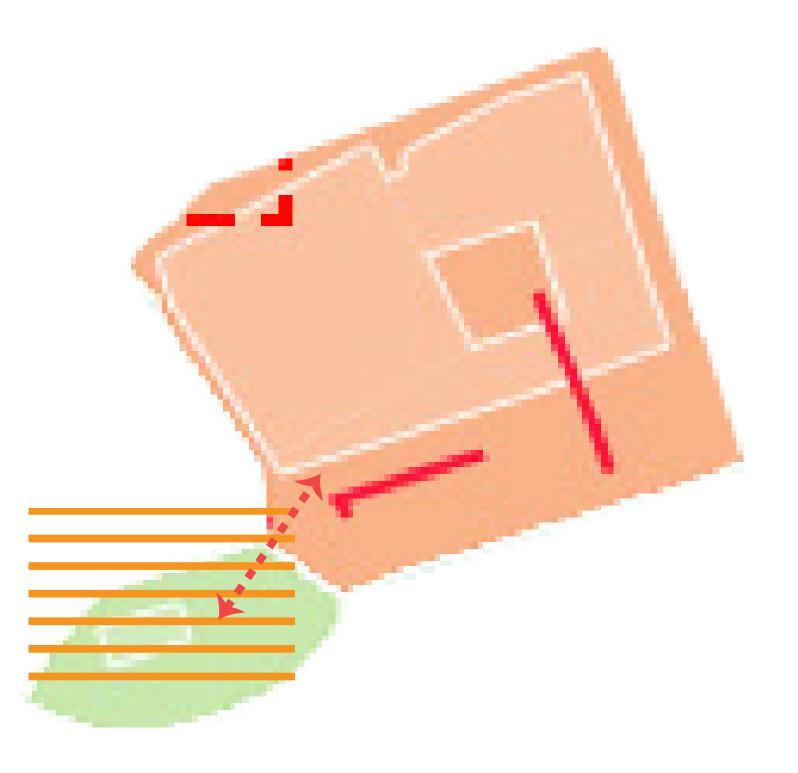
The **urgency** for **C7** is the **lack of green areas**



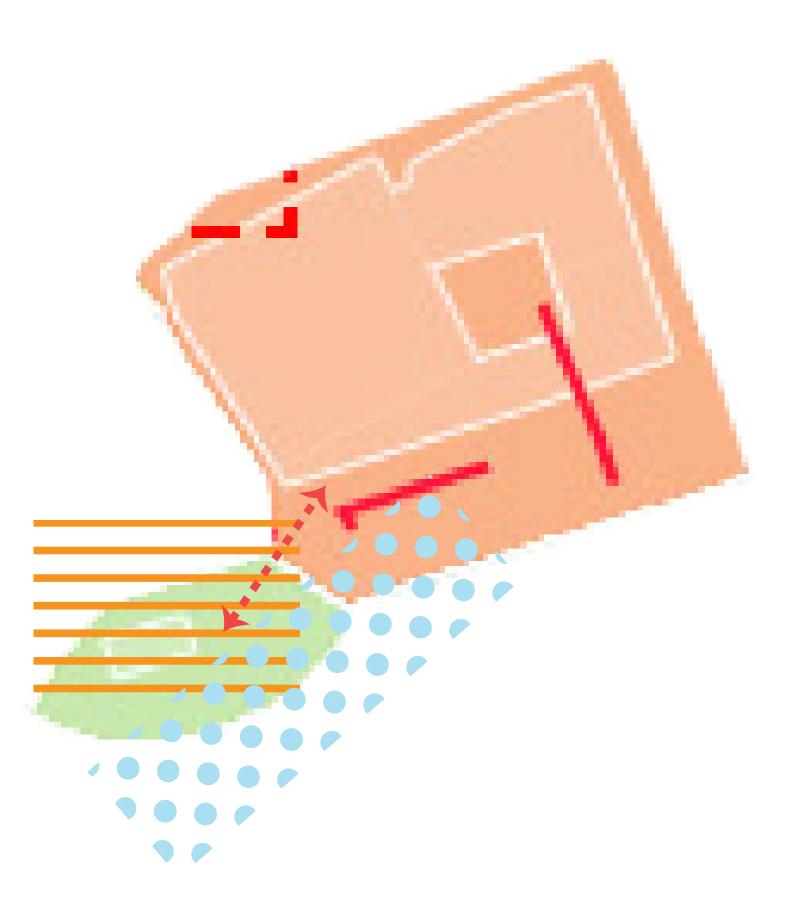
which can be compensated by increasing the green footprint in C3



This can be **achieved** by **establishing** new **connections** between **C7** and **C3**.



Improved connections would enable better pedestrian flow, allowing for increased economic opportunities in C3.



The analysis led to

28 different types of relationships identified

Neighboring Pair	Linkage to Trend	Linkage to Urgency			
			C3, C4	Promotes mixed-use development and green spaces.	Improves quality of life and access to amenities.
C1, C2	Supports smart mobility and sustainable planning.	Reduces emissions and addresses climate change.	C3, C5	Improves walkability and green corridors.	Enhances biodiversity and reduces car reliance.
C1, C3	Enhances community interaction and activity.	Improves resilience and local economy.	us, us	improves walkability and green corridors.	Emances biodiversity and reduces car renance.
·			C3, C6	Integrates green infrastructure for quality of life.	Supports resilience and walkability.
C1, C4	Promotes mixed-use development and quality of life.	Balances density and enhances well-being.			
			C3, C7	Supports sustainability and well-being.	Manages congestion and enhances quality of life.
C1, C5	Advances sustainable development.	Reduces congestion and improves air quality.	C3, C8	Enhances pedestrian infrastructure and resilience.	Improves connectivity and addresses density disparities.
C1, C6	Integrates pocket parks for health and well-being.	Manages resource strain and improves biodiversity.	as, as	Emilines pedestran imiastracture and resinciree.	improves connectivity and addresses density disparides.
			C4, C5	Optimizes pedestrian infrastructure and green spaces.	Balances density and ensures access to green spaces.
C1, C7	Uses green infrastructure for resilience.	Mitigates congestion and impacts from high density.			
			C4, C6	Enhances green infrastructure and resilience.	Manages climate impacts and supports adaptation.
C1, C8	Enhances green infrastructure for resilience.	Manages density and resource strain.	C4, C7	Fosters mixed-use development and connectivity.	Manages congestion and enhances air quality.
C2, C3	Promotes walkable neighborhoods.	Improves mobility and air quality.	·		
			C4, C8	Creates green spaces and pedestrian corridors.	Supports climate adaptation and walkable spaces.
C2, C4	Improves quality of life with green spaces.	Addresses service disparities and sustainability.			
O2 O5	D		C5, C6	Creates green corridors and improves walkability.	Supports climate adaptation and manages resource strain.
C2, C5	Promotes walkability and connectivity.	Reduces congestion and improves air quality.	C5, C7	Fosters mixed-use development and connectivity.	Reduces congestion and improves air quality.
C2, C6	Introduces green infrastructure for sustainability.	Enhances resilience and climate adaptation.			
			C5, C8	Enhances pedestrian infrastructure and green spaces.	Supports housing needs and manages density.
C2, C7	Supports sustainability and mobility.	Manages congestion and supports air quality.			
C2 C0	Enhances no destrice design and acres of the	Duomotas amite and a decrease in the	C6, C7	Improves connectivity and sustainable mobility.	Manages congestion and enhances air quality.
C2, C8	Enhances pedestrian design and connectivity.	Promotes equity and reduces service disparities.	C6, C8	Integrates green infrastructure and mobility.	Supports affordable housing and manages density.

three main types of opportunities emerged:

- Enhancing Connectivity and Walkability (connection-social)
- Boosting the economic value and Supporting Local Businesses through
 Mixed-Use Development (economical)
- Developing Green Infrastructure (environmental)



1. Enhancing Connectivity and Walkability

(Residential) x (Residential with Mixed Use)



2. Supporting Local Businesses through Mixed-Use Development

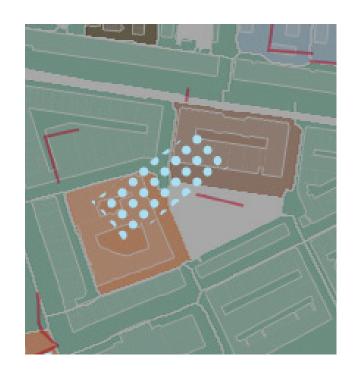
(Very Diverse Mixed) x (Public with Low FSI and GSI)



3. Developing Green Infrastructure

(public with low density) x (high density and mixed functions)







3.0 Design Research

Map of opportunities

Enhancing Connectivity and Walkability

Supporting Local Businesses through
Mixed-Use Development

Developing Green Infrastructure

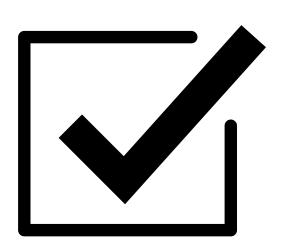


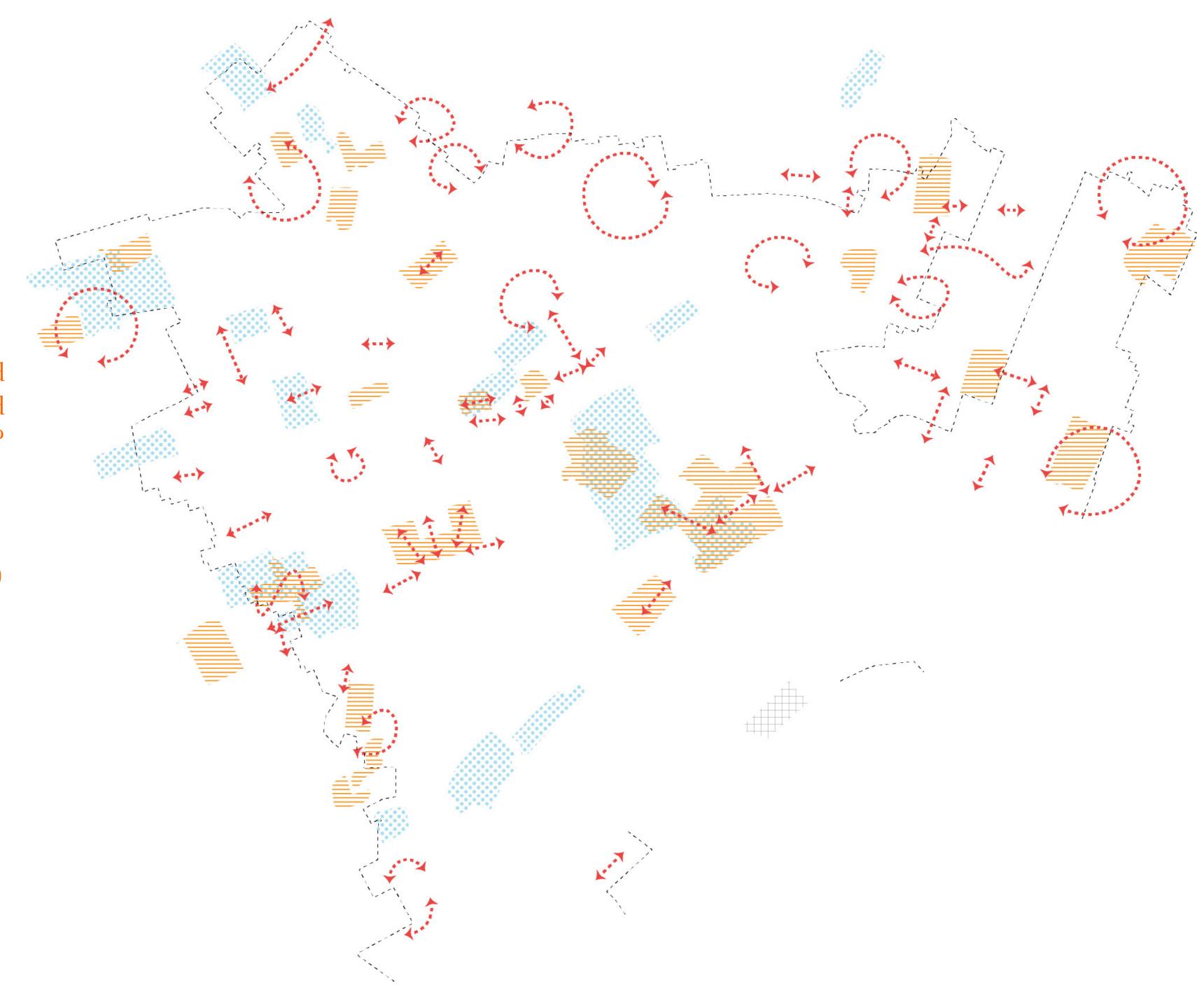
3.0 Design Research

[Sub-Research question 2]:

What are the existing and potential functions and activities that urban voids can accommodate, and how do these contribute to the vitality of the city?

(Investigating the **potential** of the urban cracks)





1.0 Introduction 2.0 Research Design

3.0 Design Research

4.0 Design

Problematization

Methodology

Analysis

Design

4.0 Design

Oth Place (SRQ3)

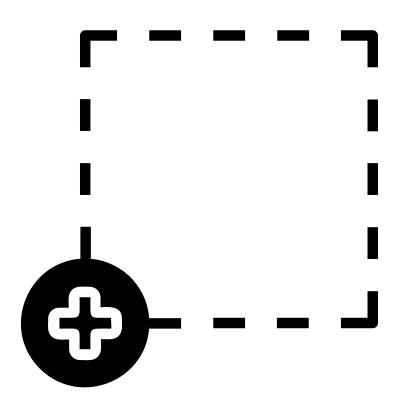
[Sub-Research question 3]:

What are the key characteristics of the '0th place' concept, and how does it differ from traditional urban spaces?

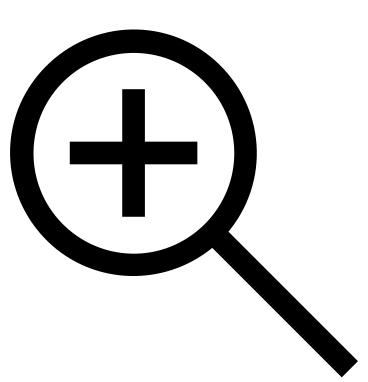
(**Design** possibilities)

To answer these questions, an **eight-step** process will be undertaken:

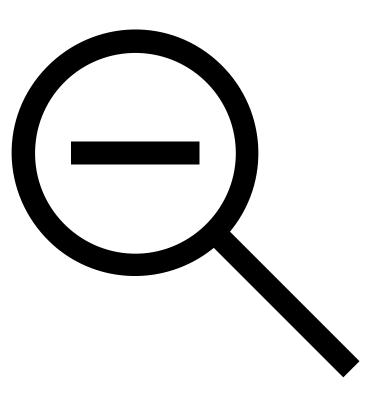
4.0 Design
Oth Place (SRQ3)



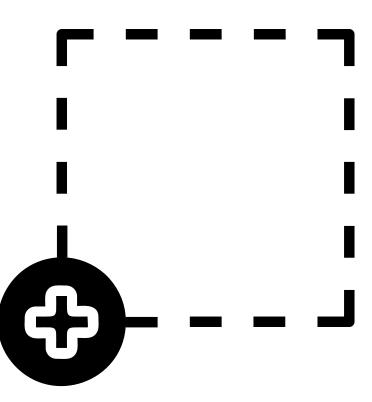
1-Selecting the site



2-Fieldwork
3-Problematization
4-Strategizing
5-Description (design testing)
6-Final Design
7-Urban Evolution ('0th place' concept in action.)



8-Scaled-up Brandgrens Strategy



1-Selecting the site







Transition Zone Historical Significance

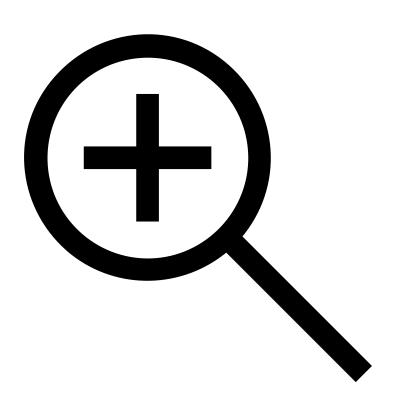


Filled with Identified Urban Cracks

4.0 Design 1-Selecting the site

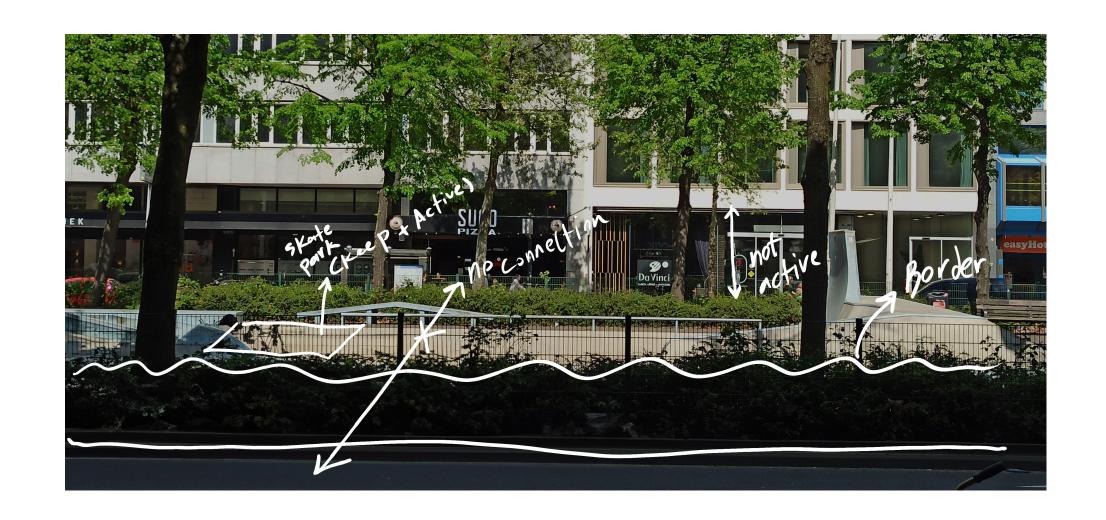


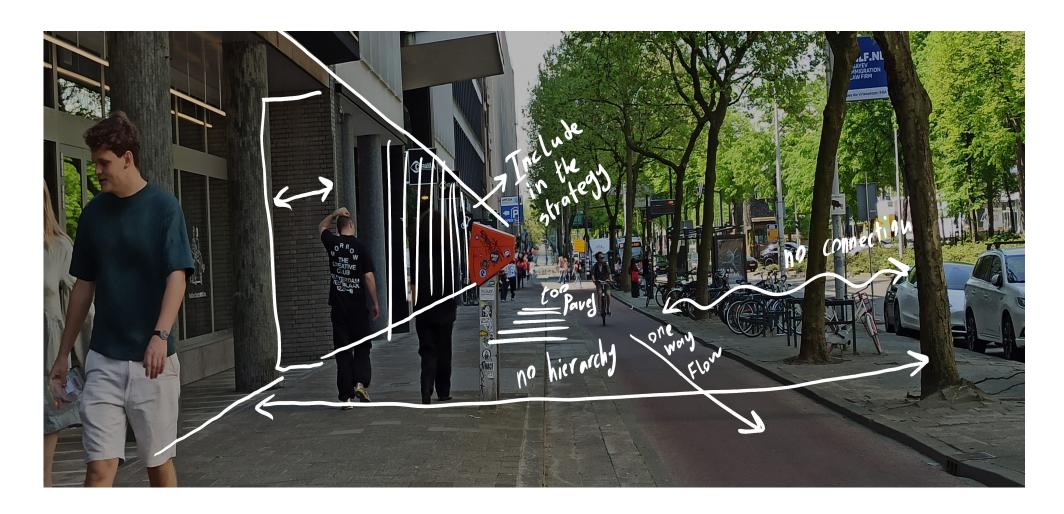
Social and Economic Disparities
Connectivity Issues
Cultural and Environmental Opportunities

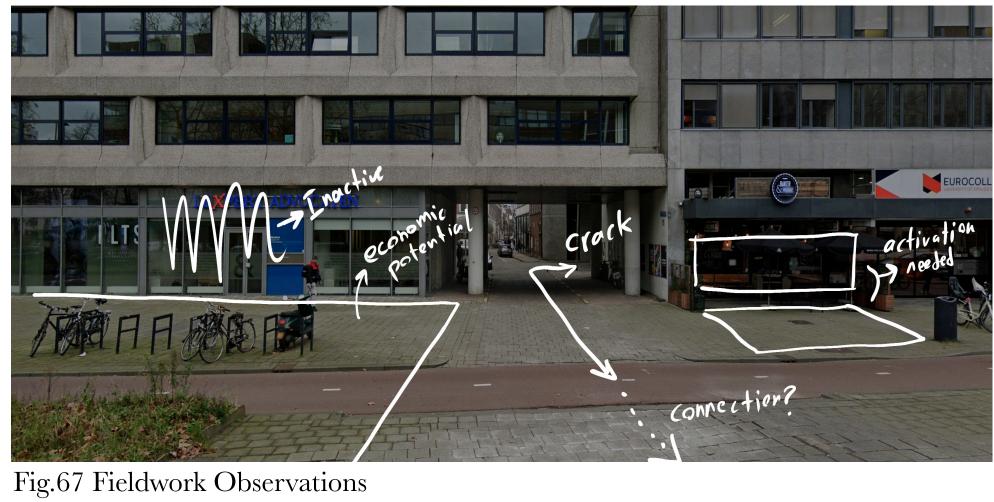


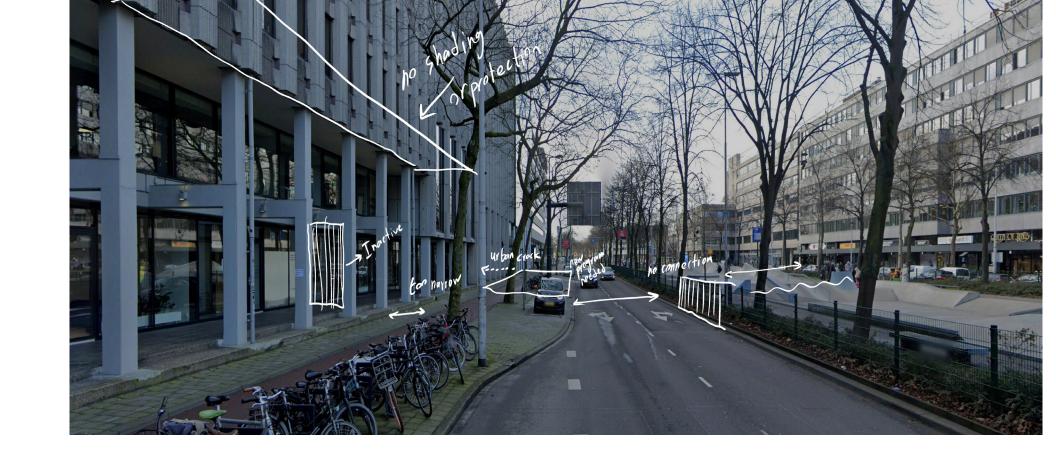
2-Fieldwork
3-Problematization
4-Strategizing
5-Description (design testing)
6-Final Design
7-Urban Evolution ('0th place' concept in action.)

4.0 Design 2-Fieldwork







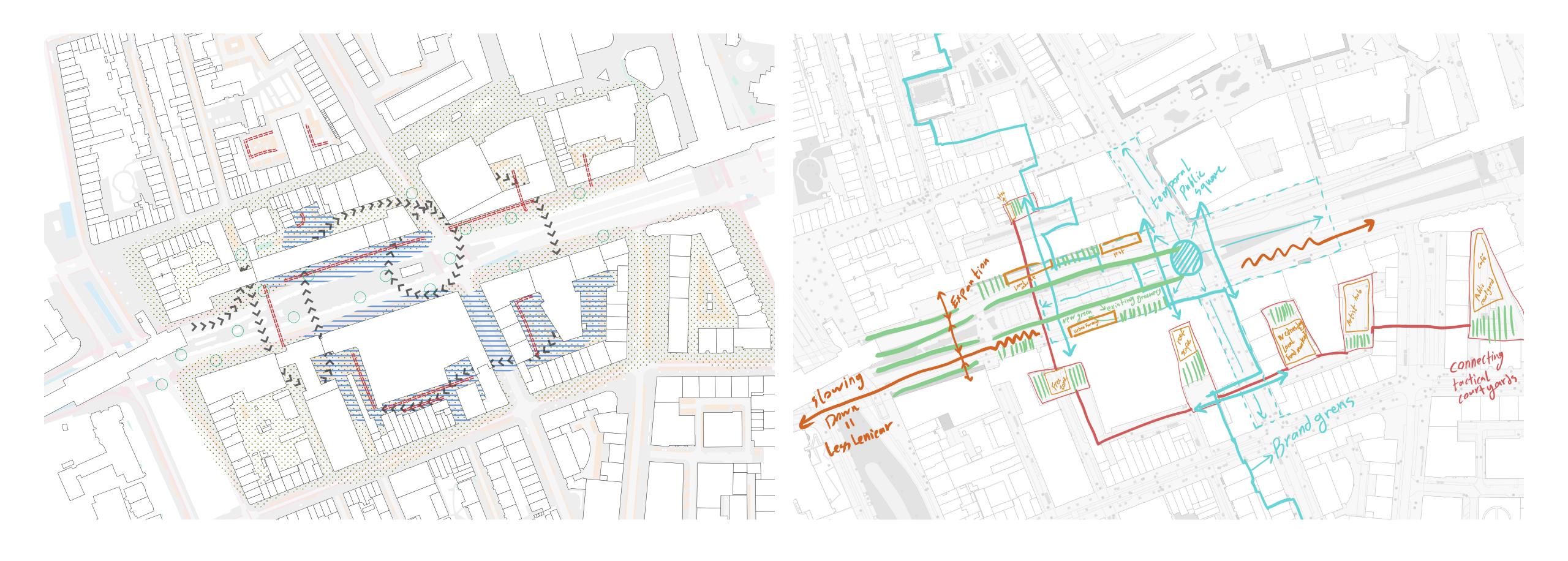


4.0 Design 2-Fieldwork



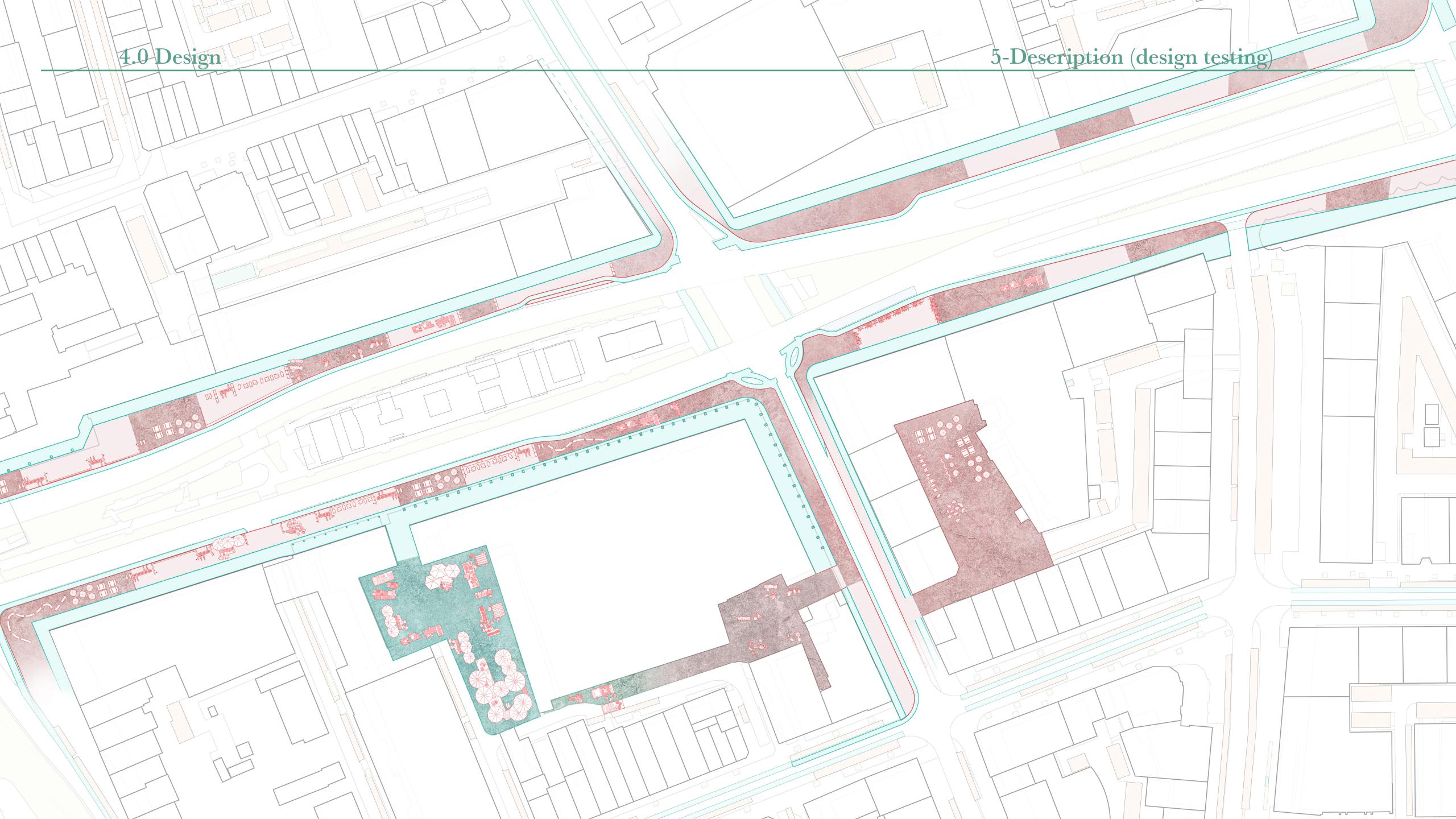
3-Problematization

4-Strategizing



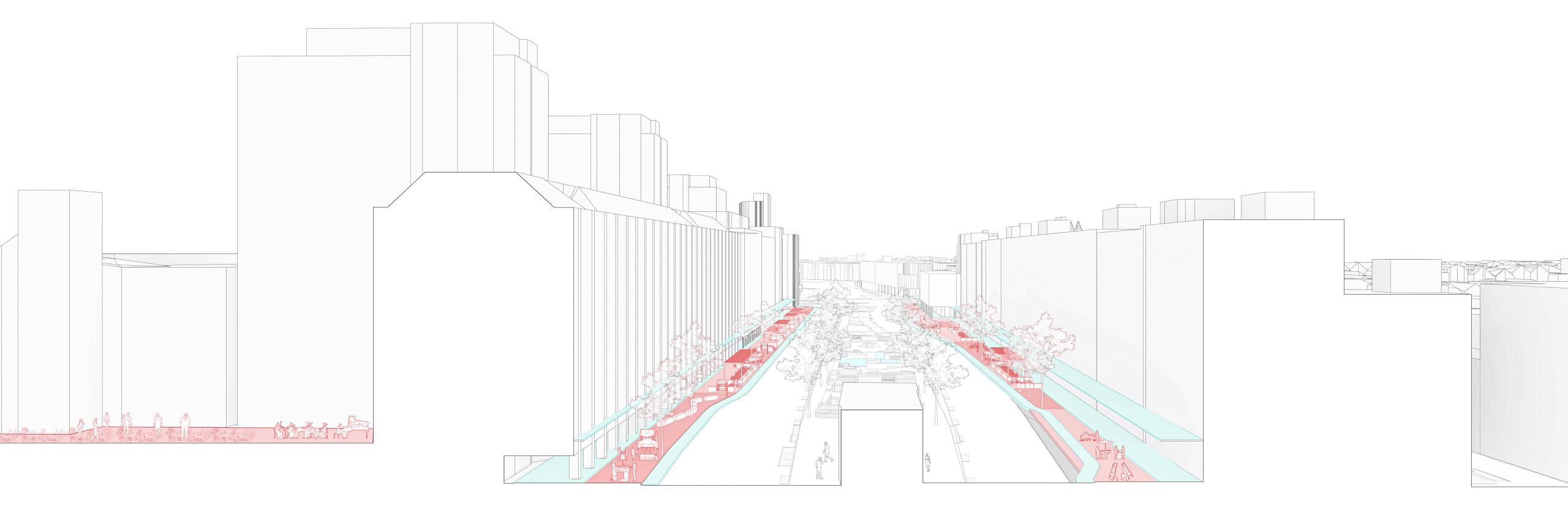


2-Fieldwork
3-Problematization
4-Strategizing
5-Description (design testing)
6-Final Design
7-Urban Evolution ('0th place' concept in action.)

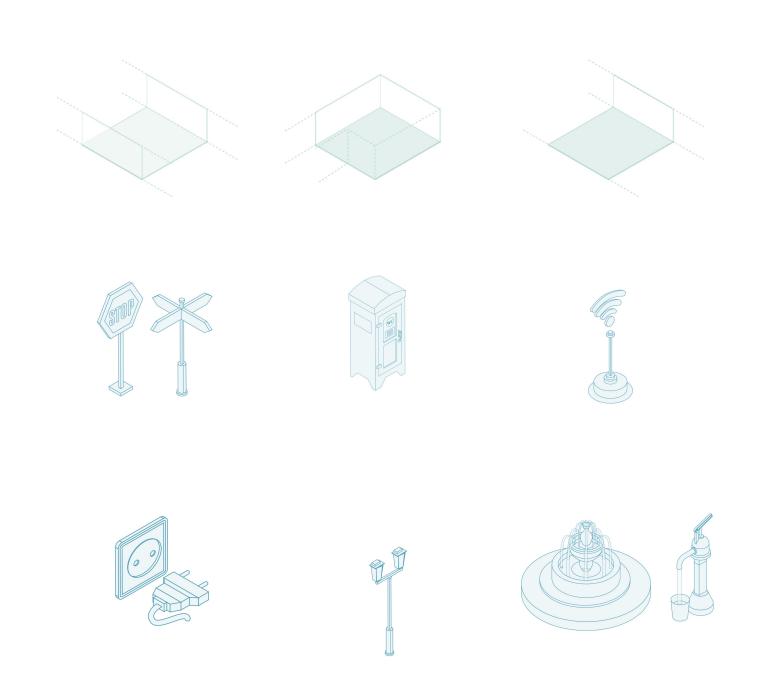


- More connections can be established.
- The central zone can take place.
- Ground-level activities affect the new sidewalk.
- Pushing the limits of tactical interventions.

Helped Understand What Is Tactical and What Is Non-Tactical

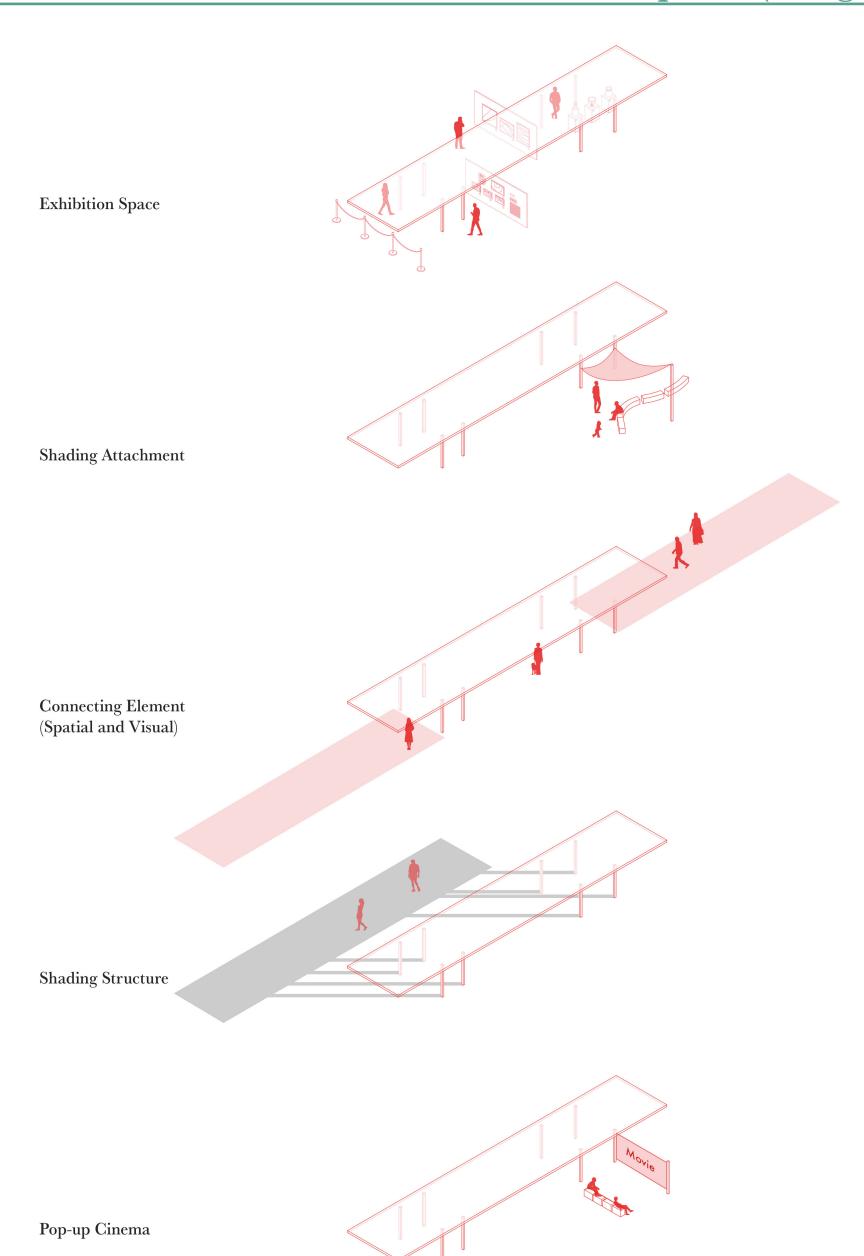


Infrastructural Configurations



Urban table

- Connecting
- Shading



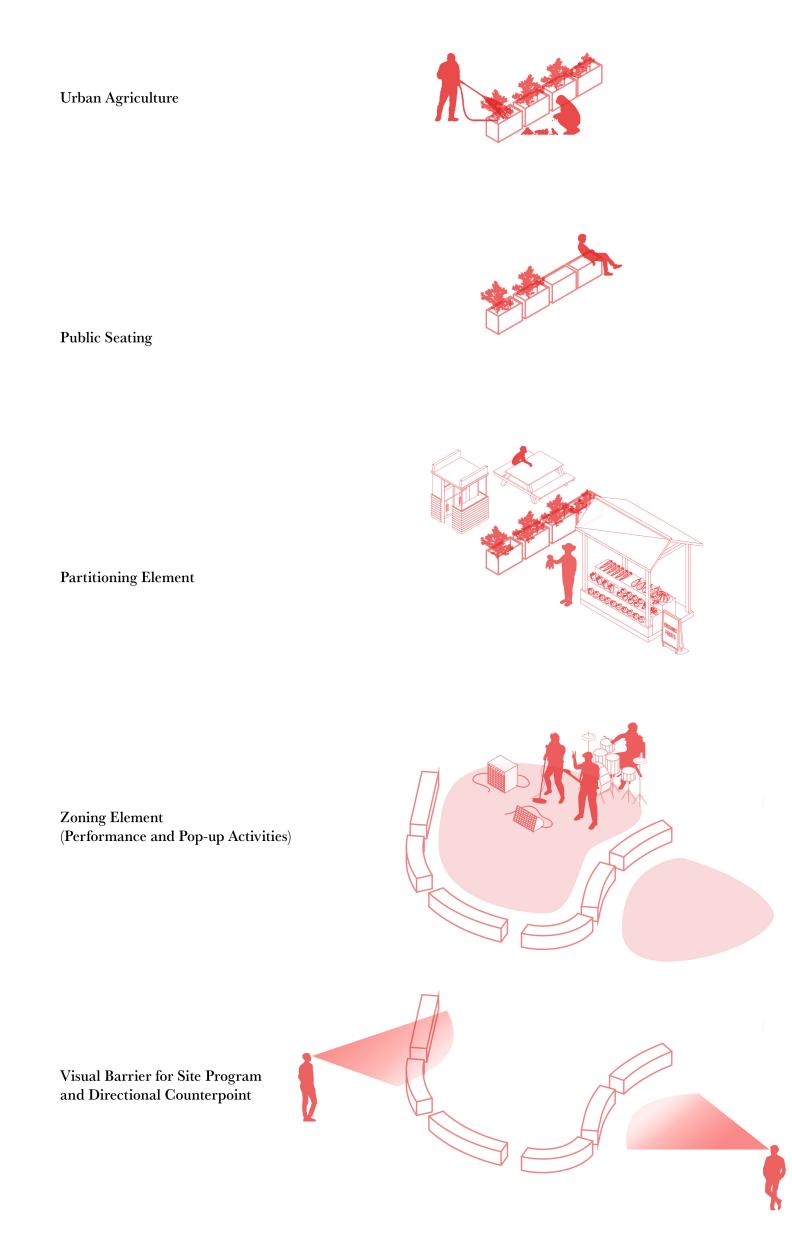
Trees

- Connecting
- Shading
- Gathering spots
- Supporting other activities like urban farming



modular planter-seating pieces

- Partitioning
- Activation

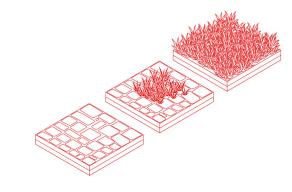


Additional elements

- Create temporary spaces- Activate spaces



Tactical Depaying



Children's Play Area



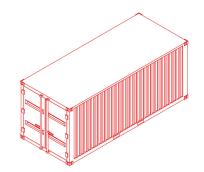
Bicycle Parking Facilities



Modular Platforms (Pallets)



Temporary Structures (Event-based Installations)



Infrastructural configurations:

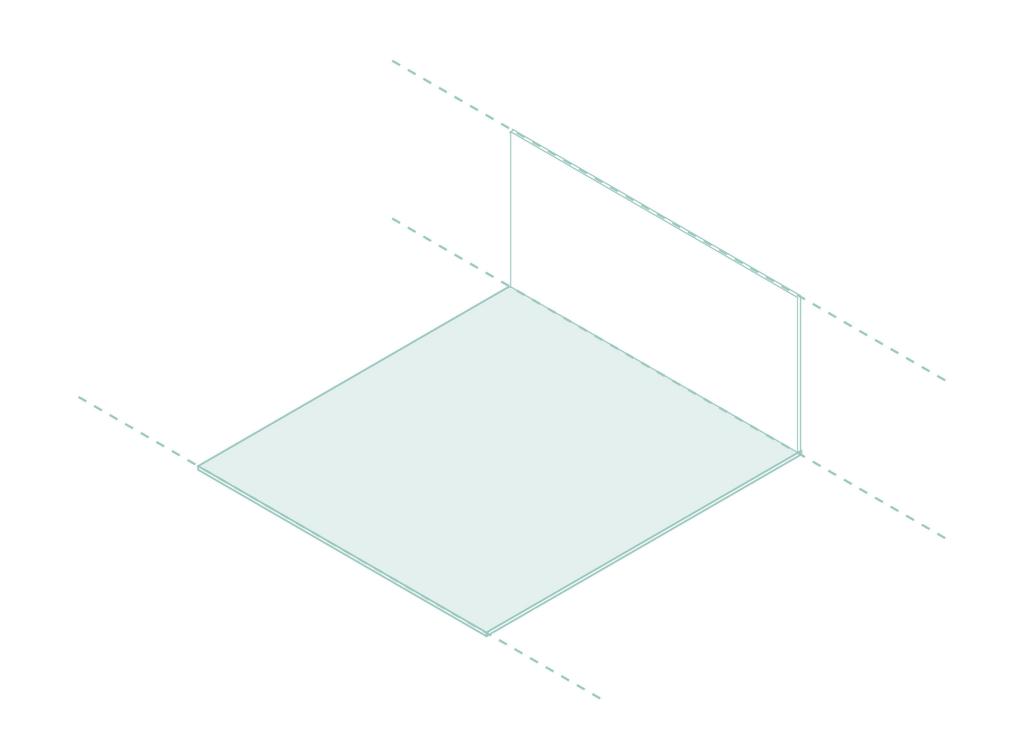
Spatial Infrastructure

Policy Infrastructure

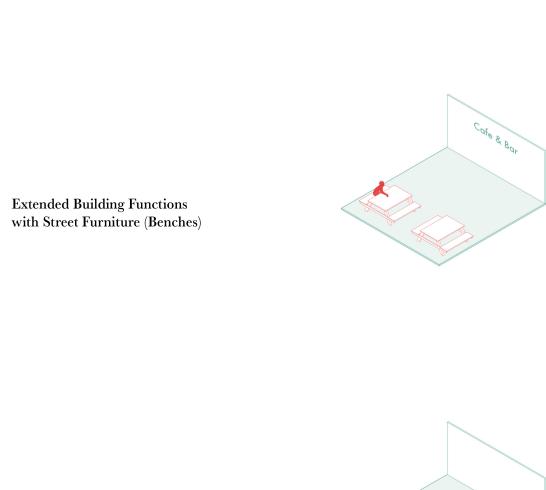
Punctual Infrastructure

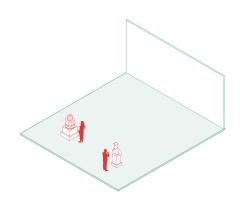
Spatial Infrastructure

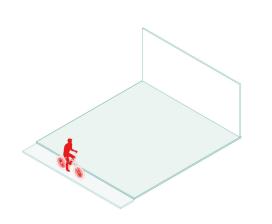
Flat Ground Surface with Two Parallel Vertical Surfaces (Corridor)







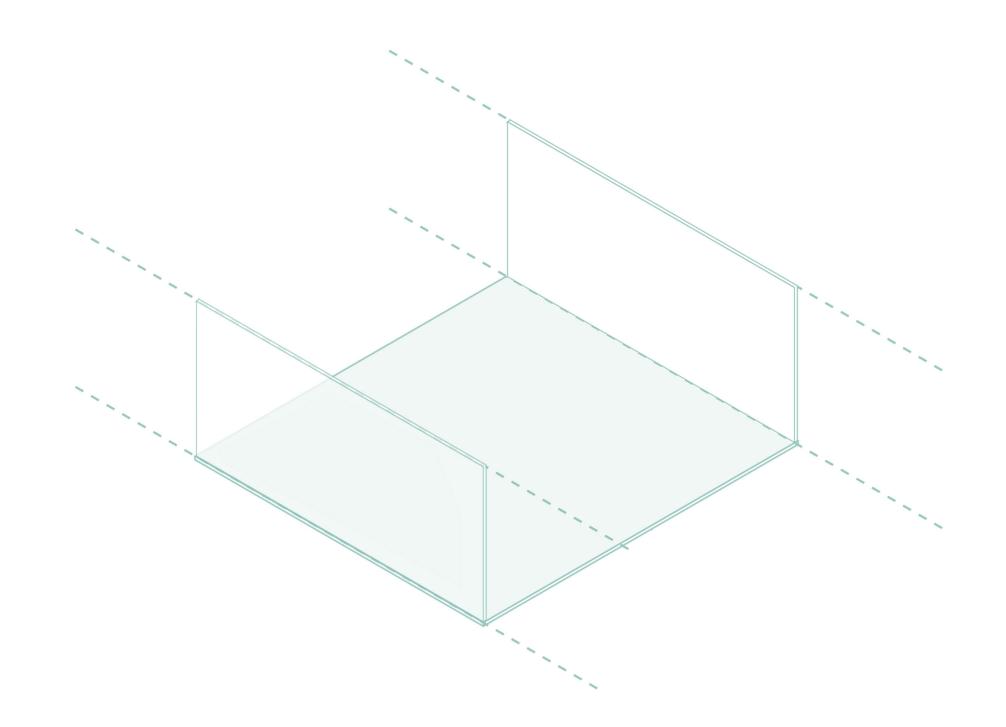


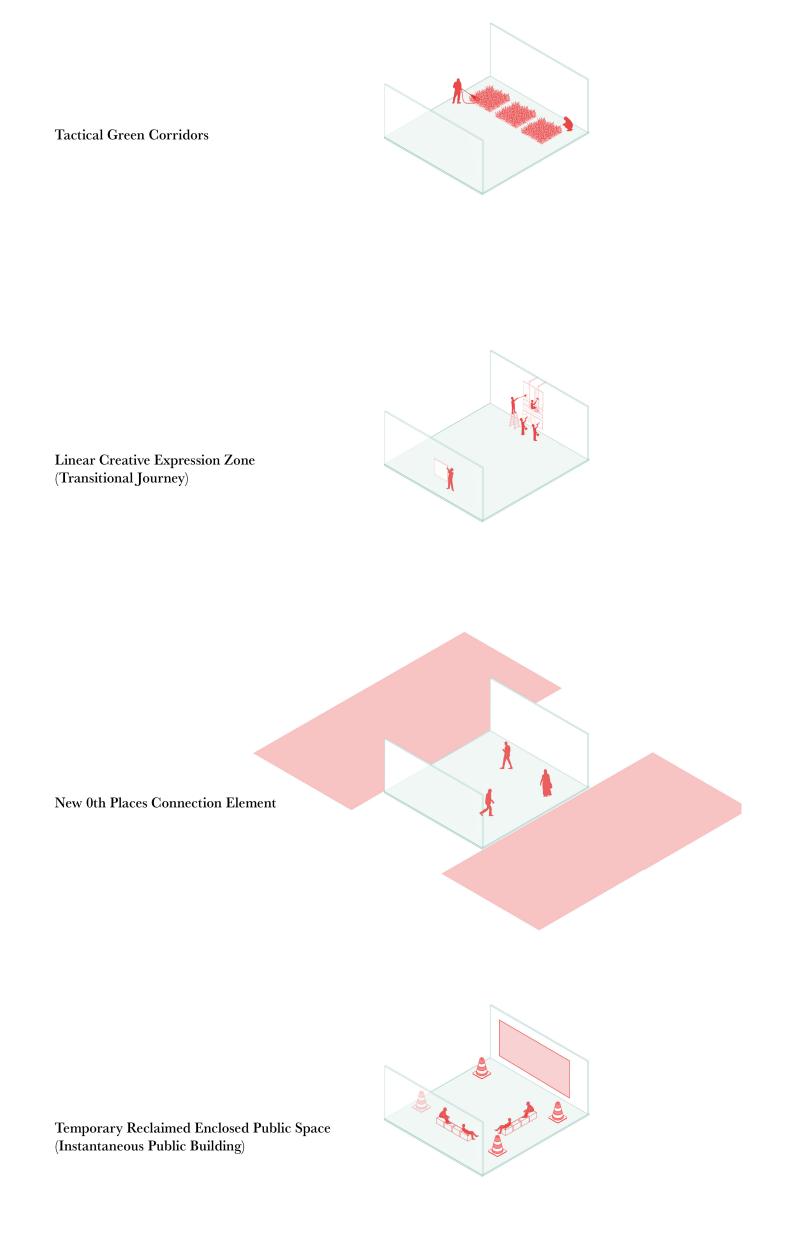


Public Art Installations (Exhibitions)

Spatial Infrastructure

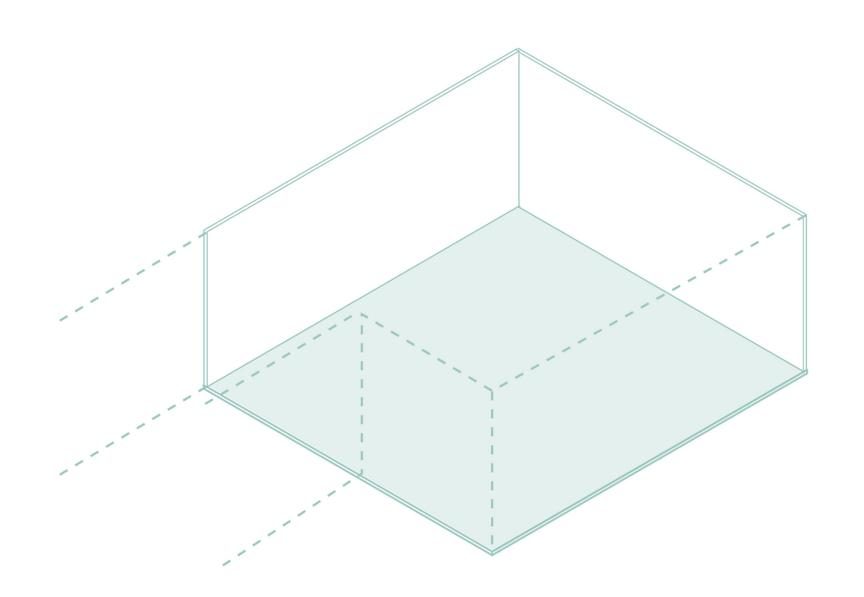
Flat Ground Surface with One Vertical Surface (Sidewalk)

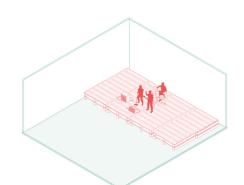




Spatial Infrastructure

Flat Ground Surface with Two Perpendicular Vertical Surfaces (Corner

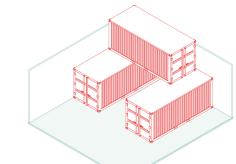




 ${\bf Pop\text{-}up\ Tactical\ Stage\ (Enclosed\ Event\ Space)}$



Children's Playground (Safety Enclosure)



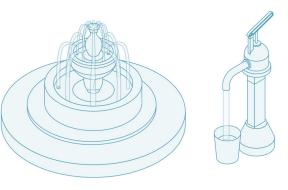
Storage and Prefabricated Modular Units



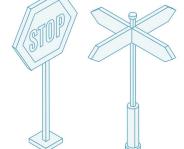
Pocket Parks

Punctual Infrastructure

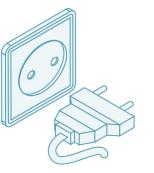
Water Supply



Signage



Electrical Outlets



Public Toilets

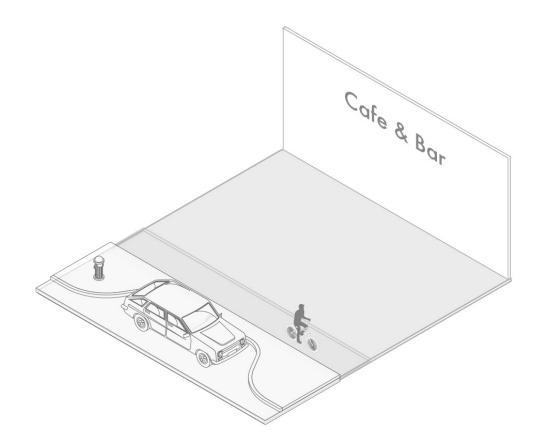


Street Lighting

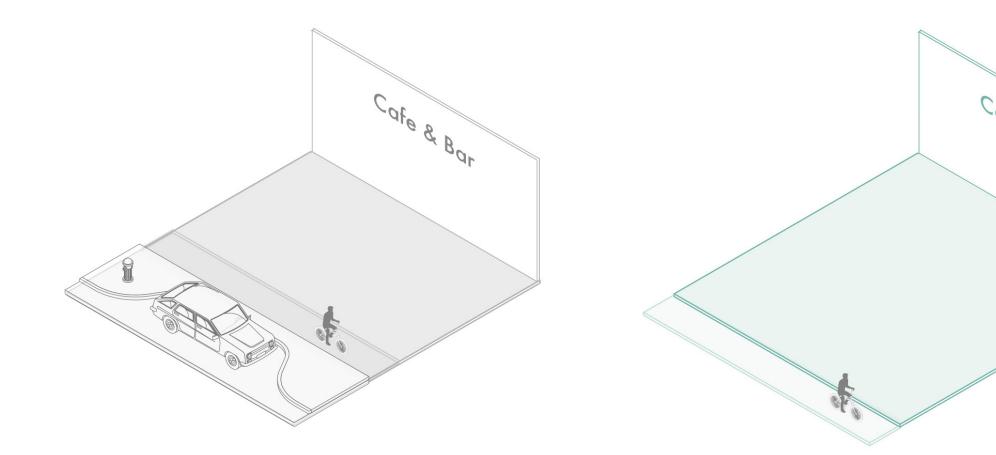


Public WiFi



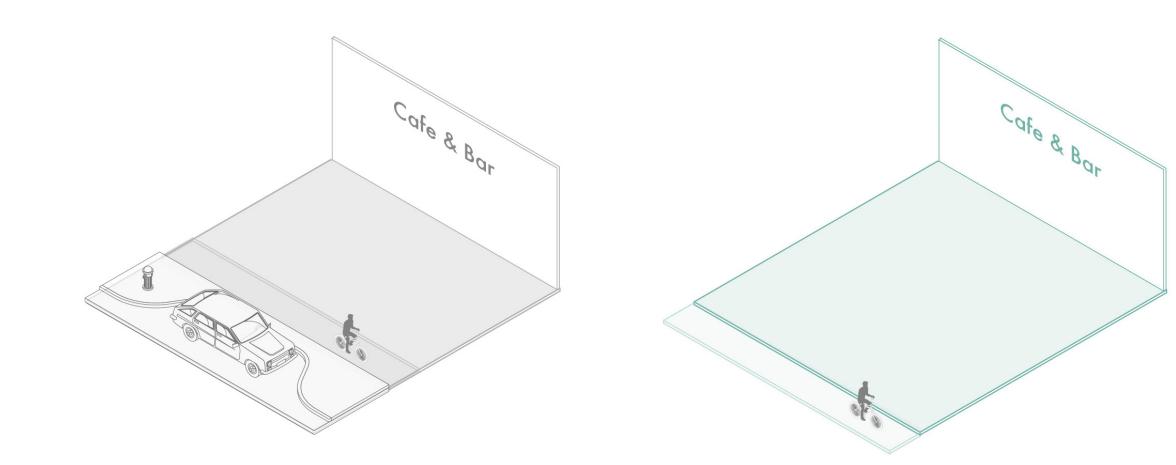


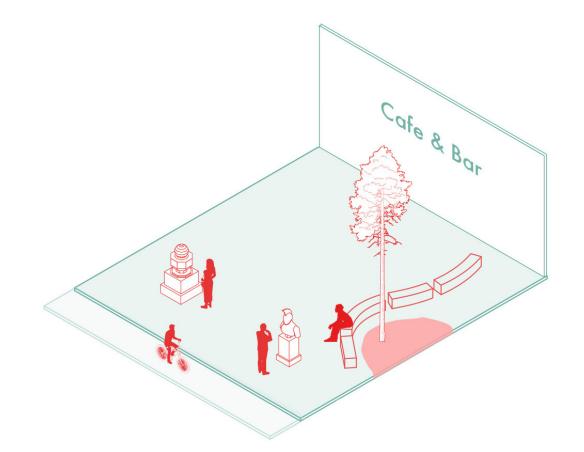
Urban Crack with Potential (Underutilized Sidewalk)



Urban Crack with Potential (Underutilized Sidewalk)

Infrastructural Intervention (Sidewalk Expansion, Bike Lane Relocation)

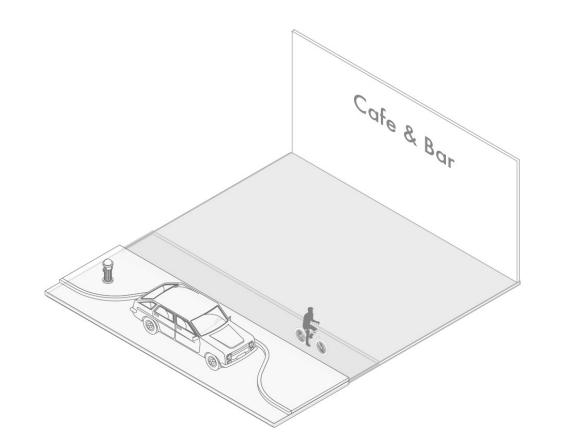


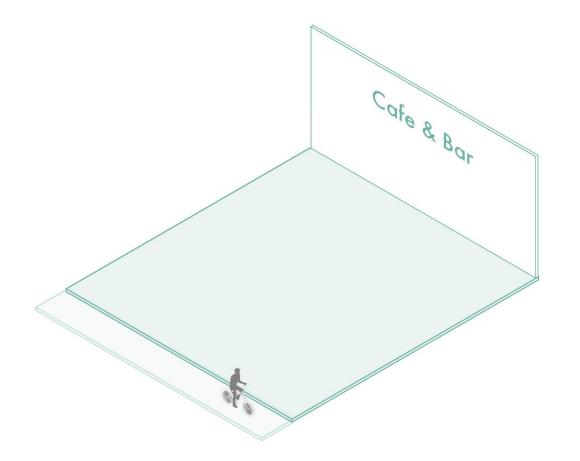


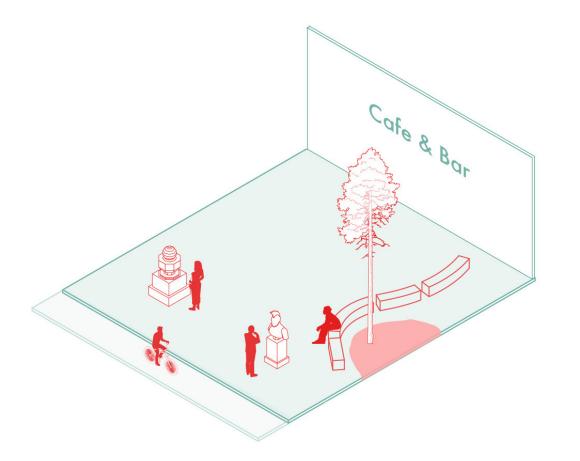
Urban Crack with Potential (Underutilized Sidewalk)

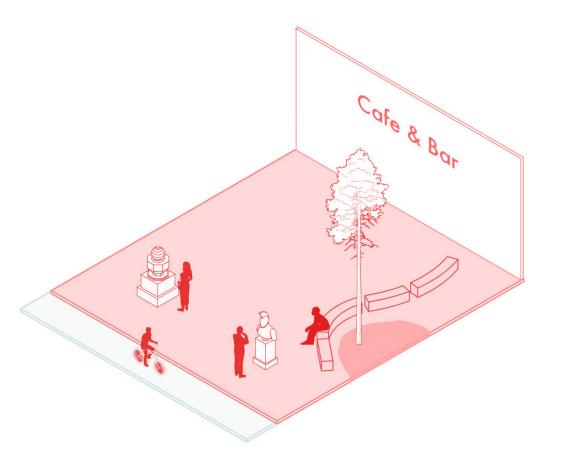
Infrastructural Intervention (Sidewalk Expansion, Bike Lane Relocation)

Implementation of Tactical Urbanism







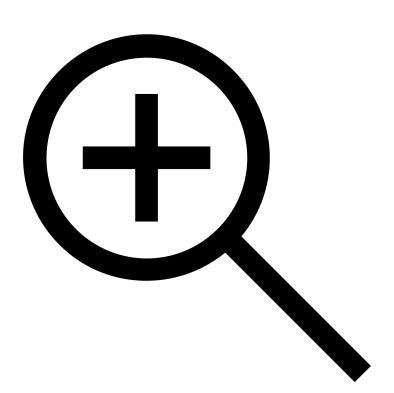


Urban Crack with Potential (Underutilized Sidewalk)

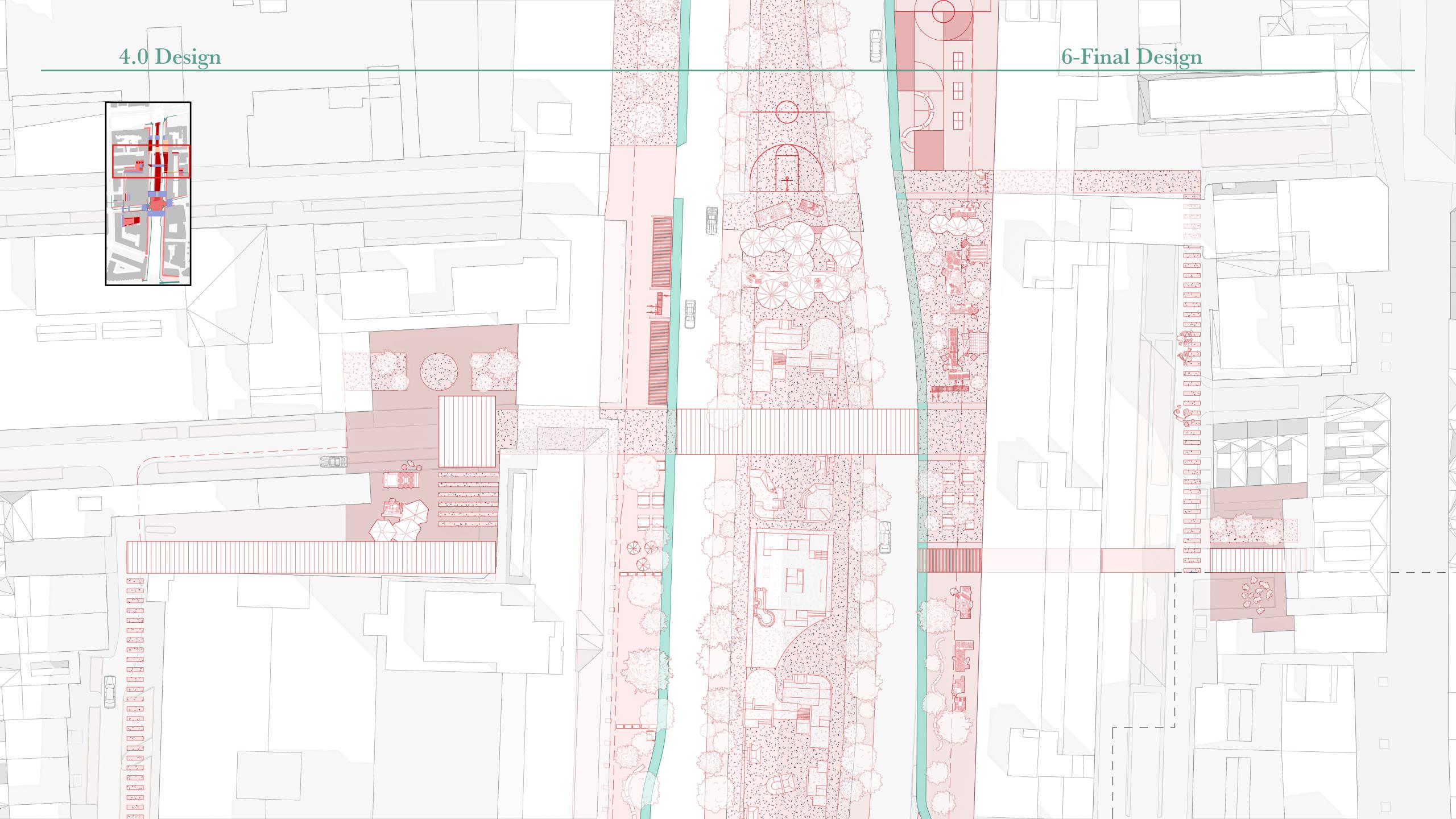
Infrastructural Intervention (Sidewalk Expansion, Bike Lane Relocation)

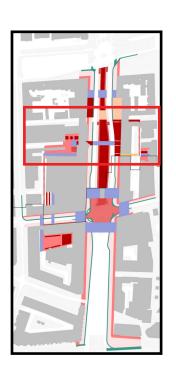
Implementation of Tactical Urbanism

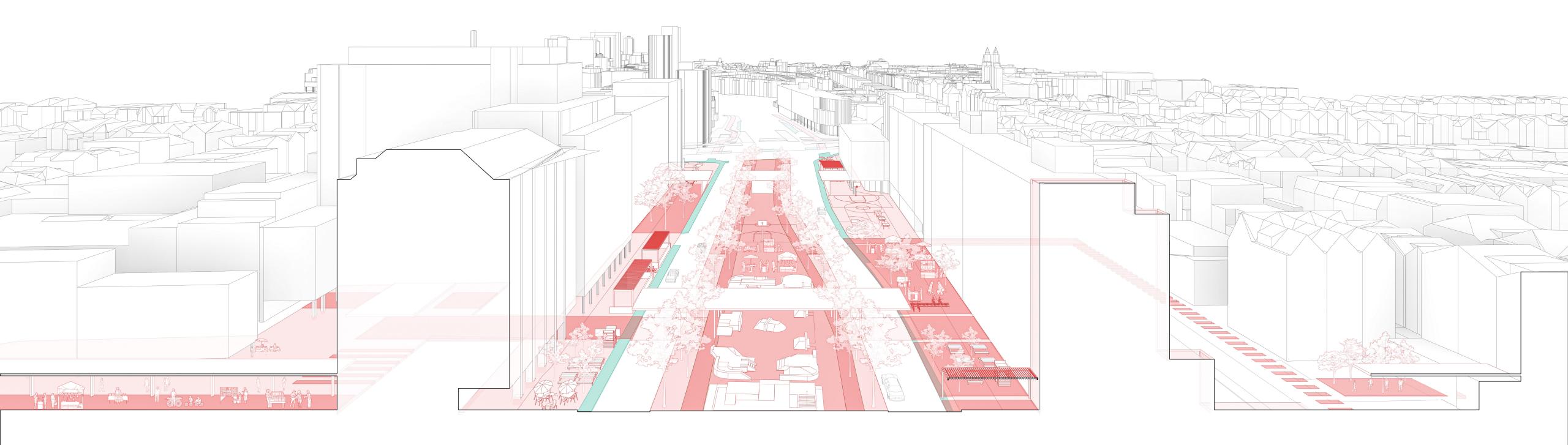
Initial 0th Place



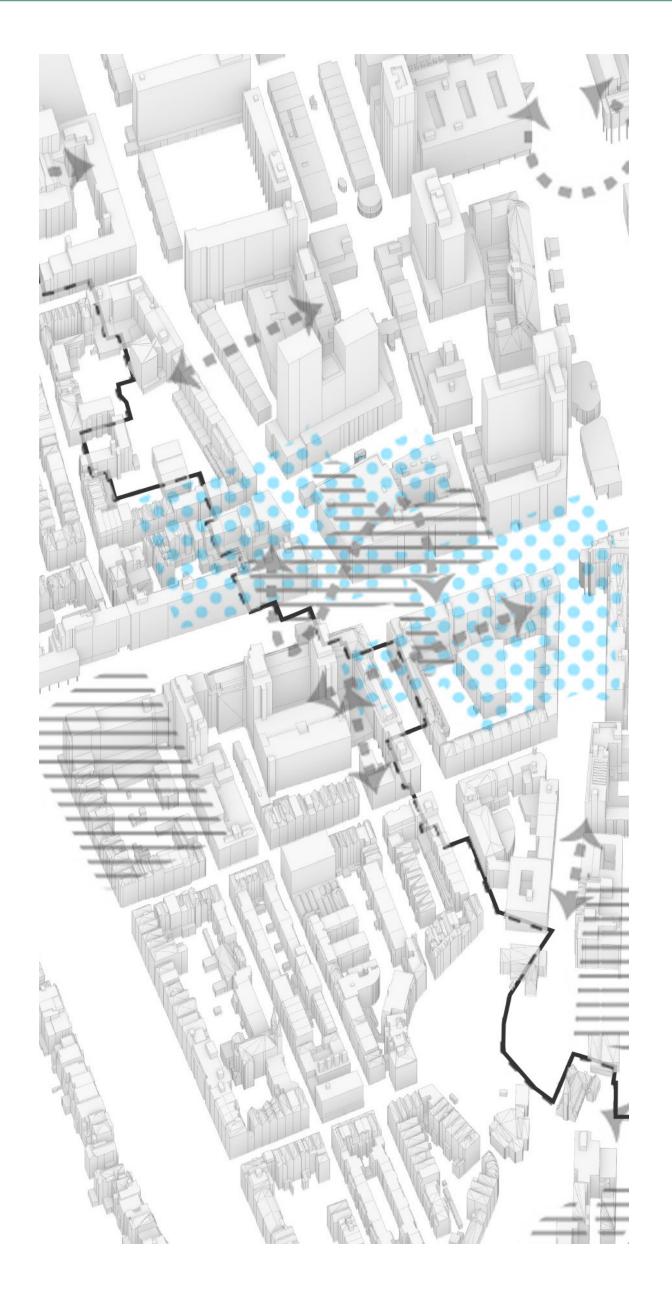
2-Fieldwork
3-Problematization
4-Strategizing
5-Description (design testing)
6-Final Design
7-Urban Evolution ('0th place' concept in action.)



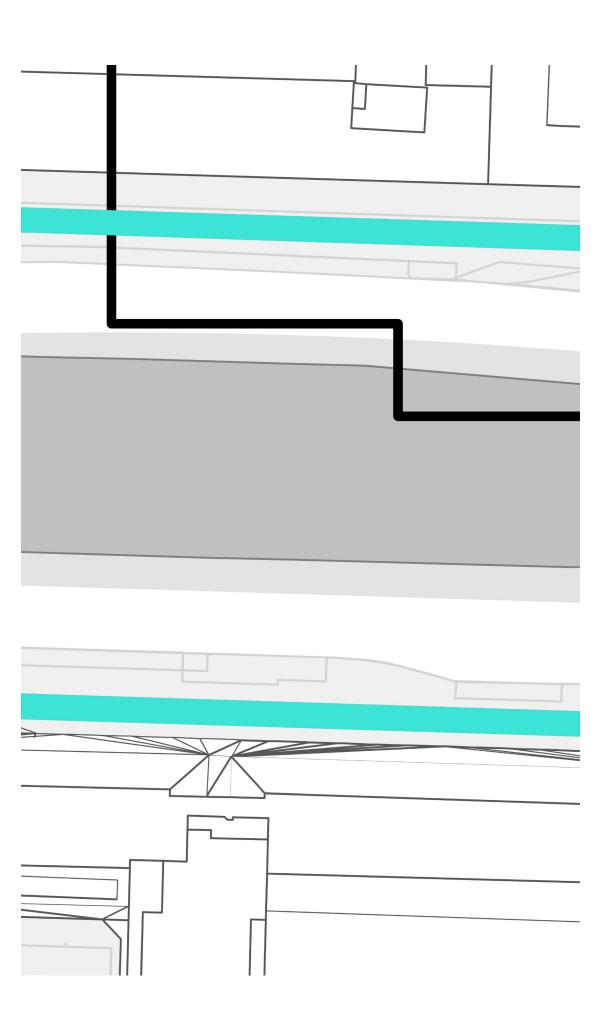




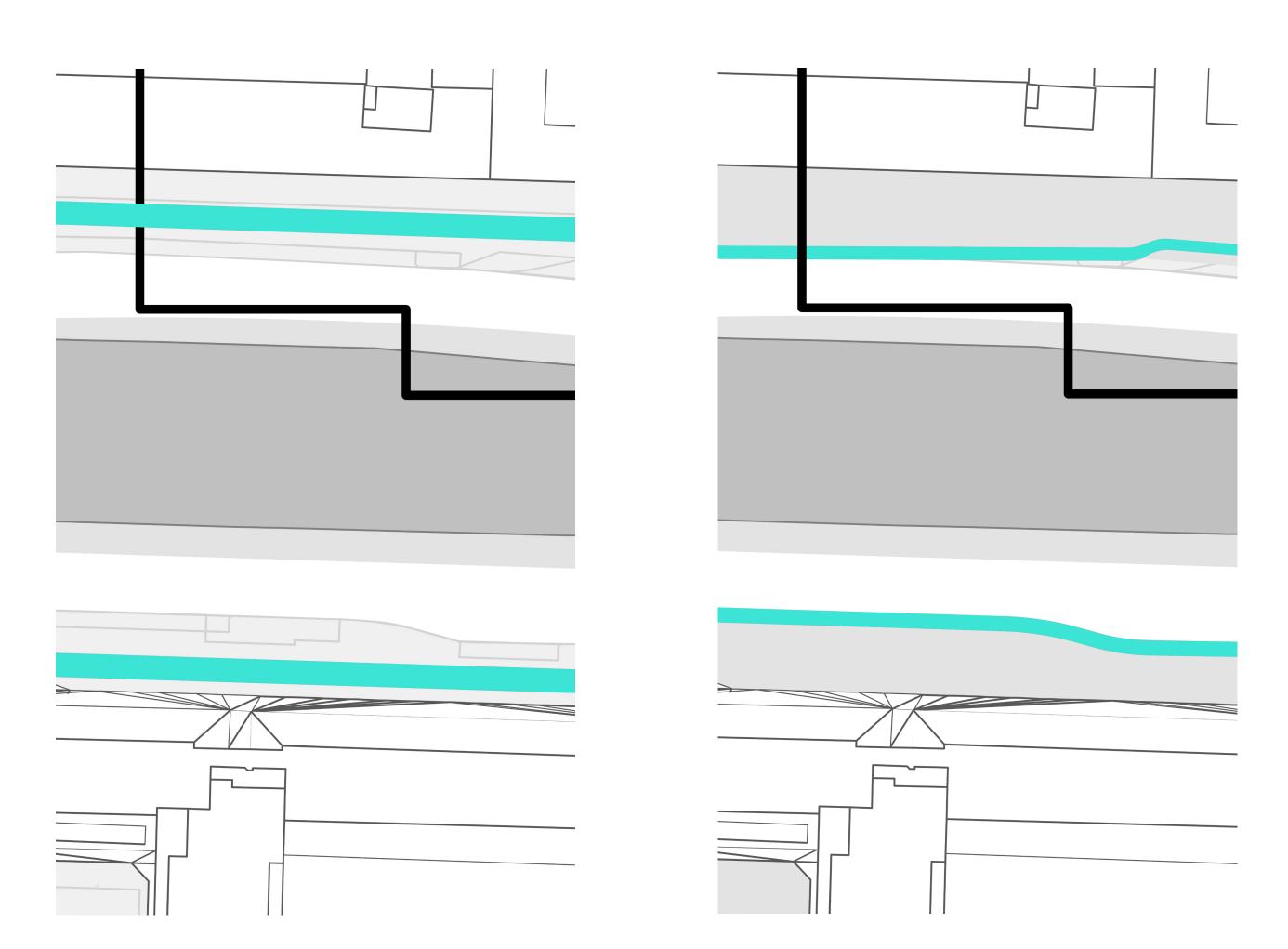
Boosting Economic Value and Supporting Local Businesses through Mixed-Use Development





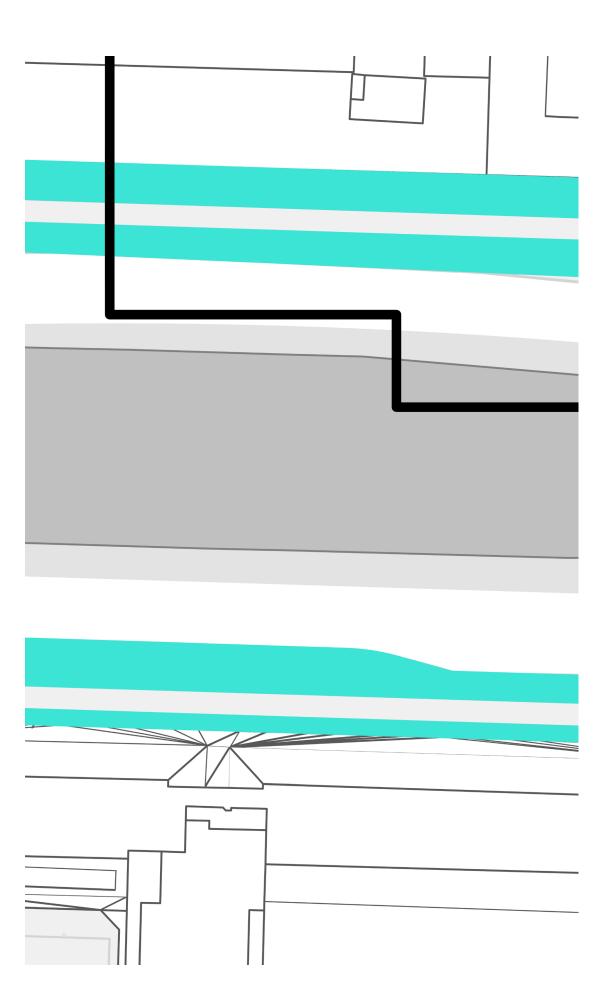




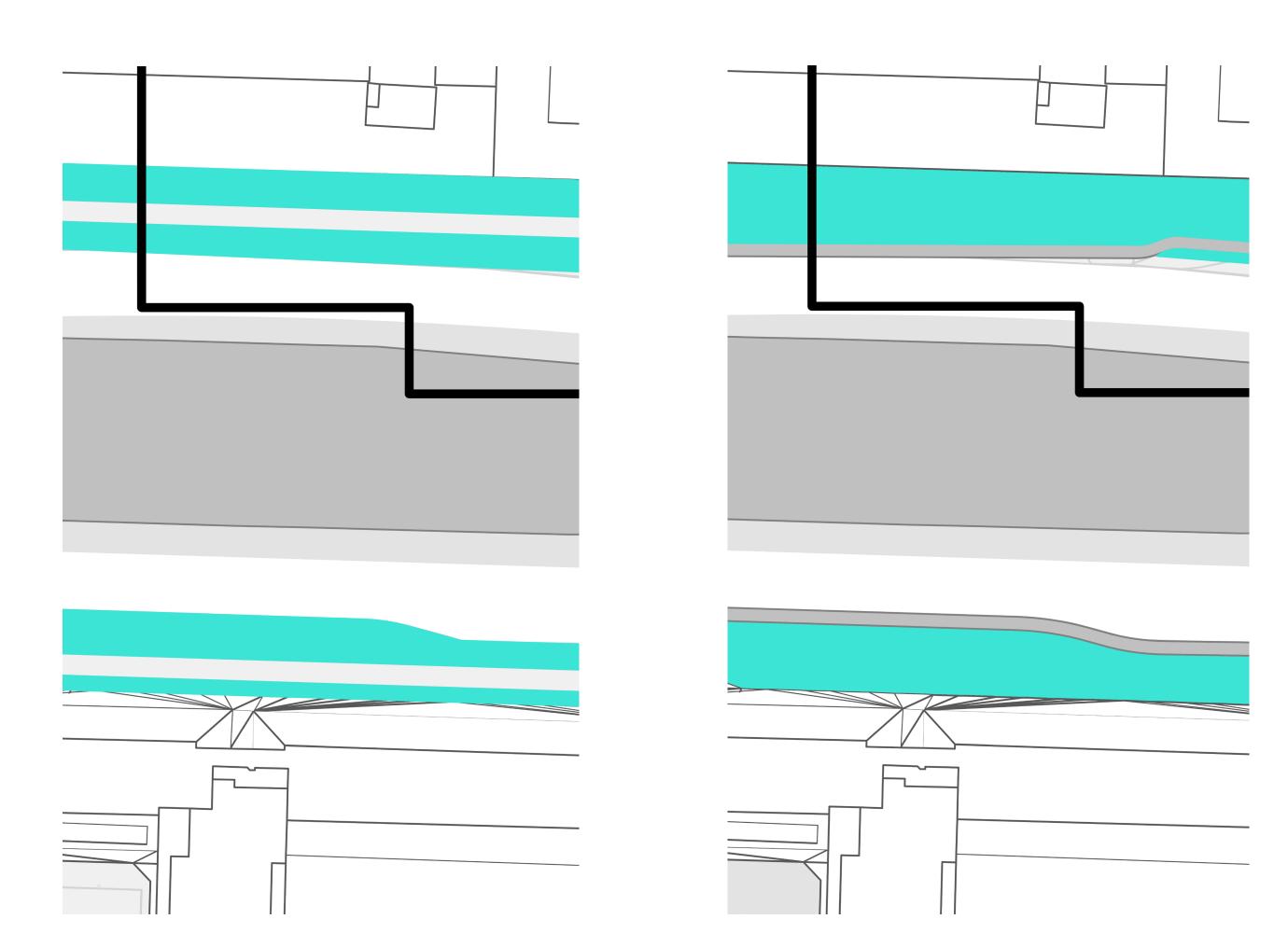


Before After



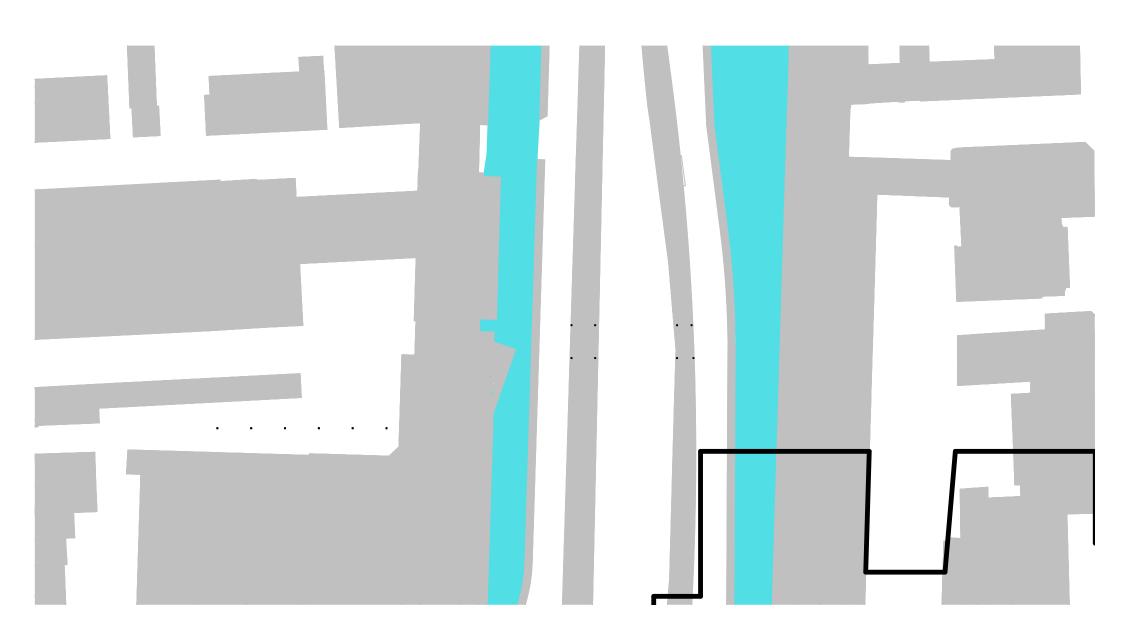


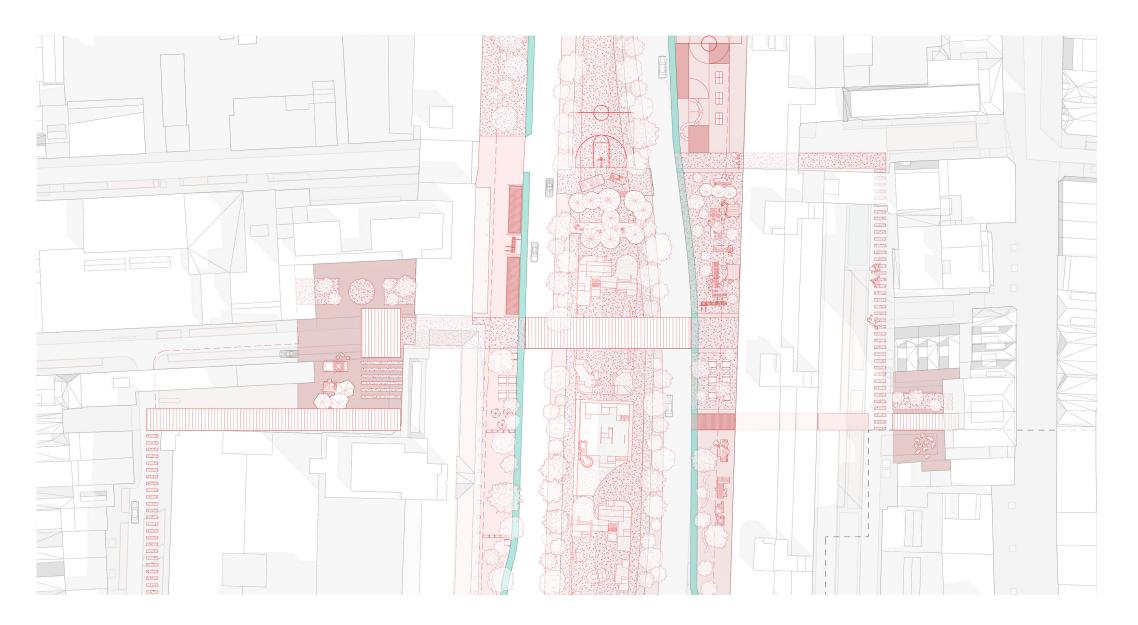




Before After

Reorganizing the Bike Lane & Expanding the Sidewalk





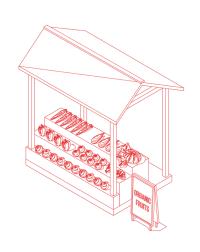
The new tactical features, such as micro-squares with benches and cafes, and pop-up markets, were made possible by the presence of sidewalks (spatial infrastructure type 1) and reliable water and electrical supplies (punctual infrastructure).

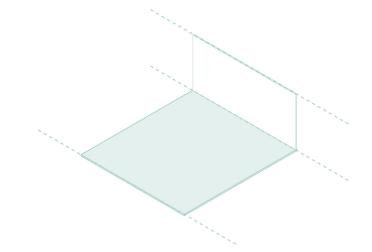
Additionally, other **punctual infrastructure** elements, like **signage** and **public Wi-Fi**, enhanced accessibility and **ease of access**, thereby contributing to both economic and social opportunities.

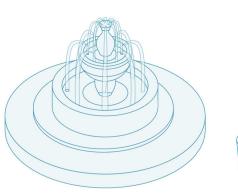
Tactical Elements

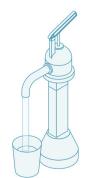


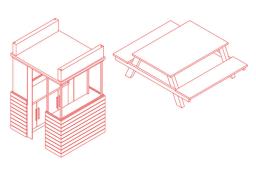
Punctual Infrastructure

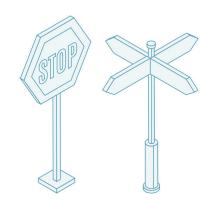




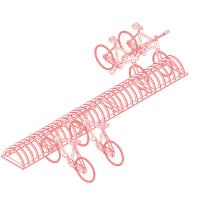


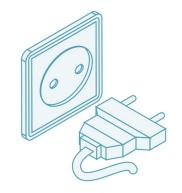




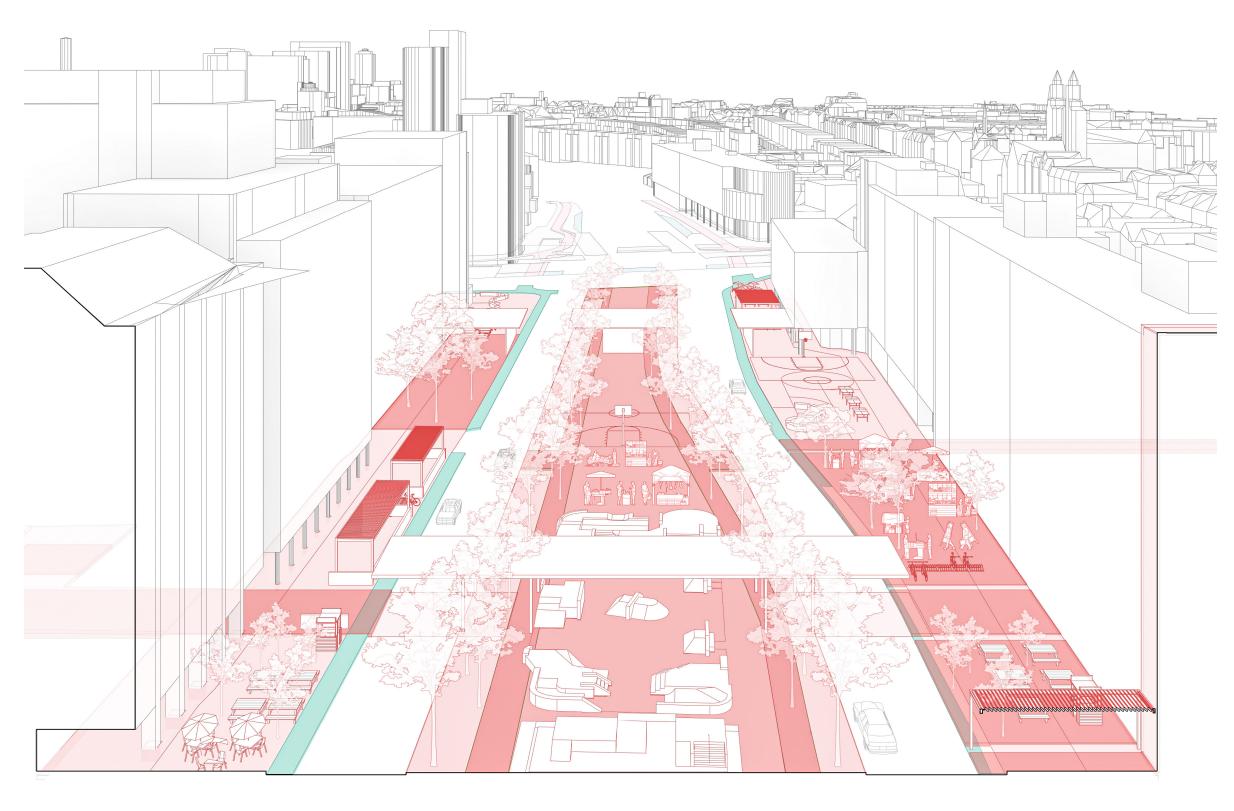


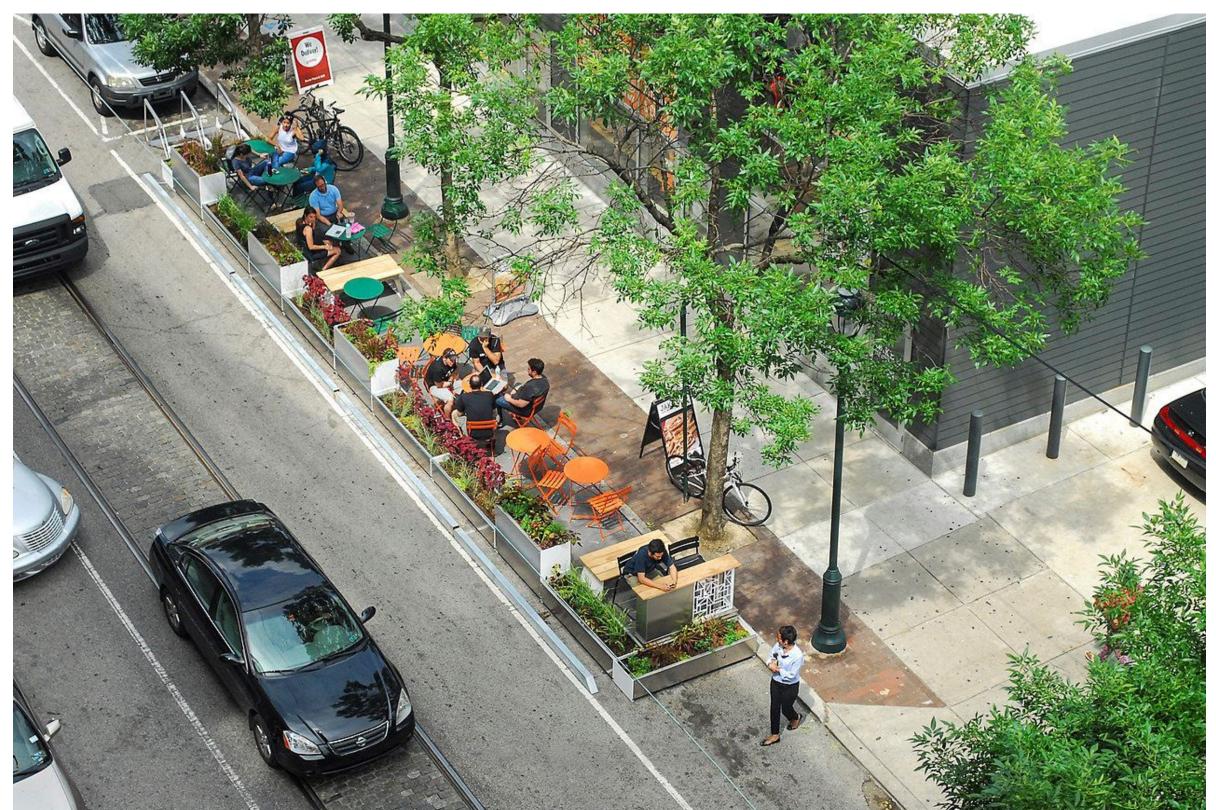








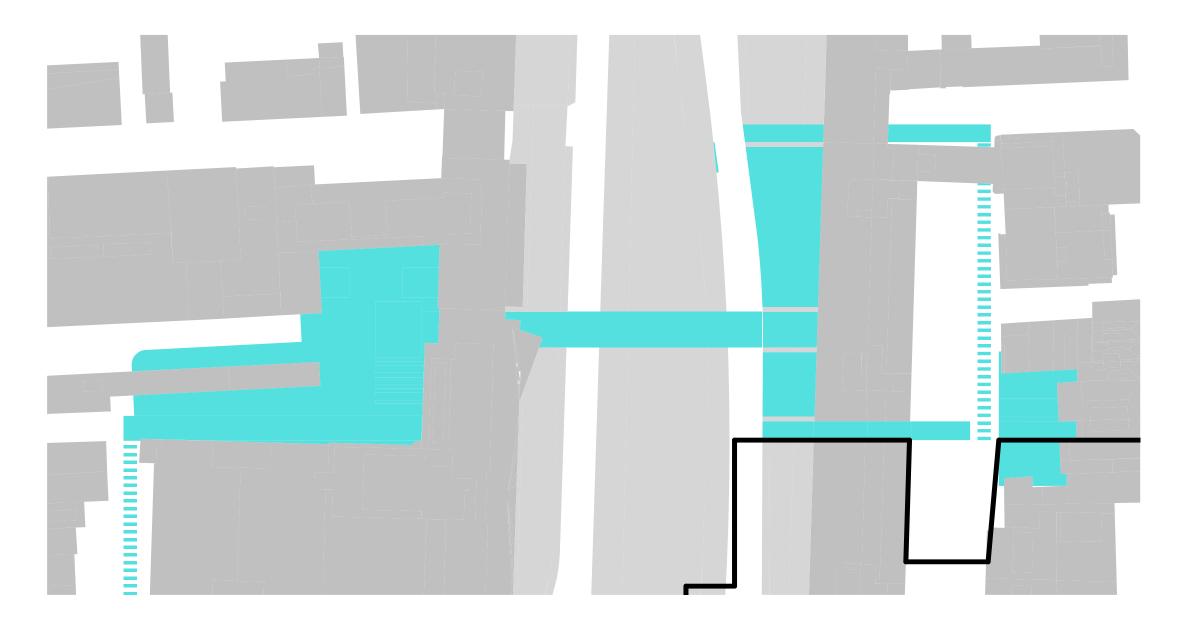


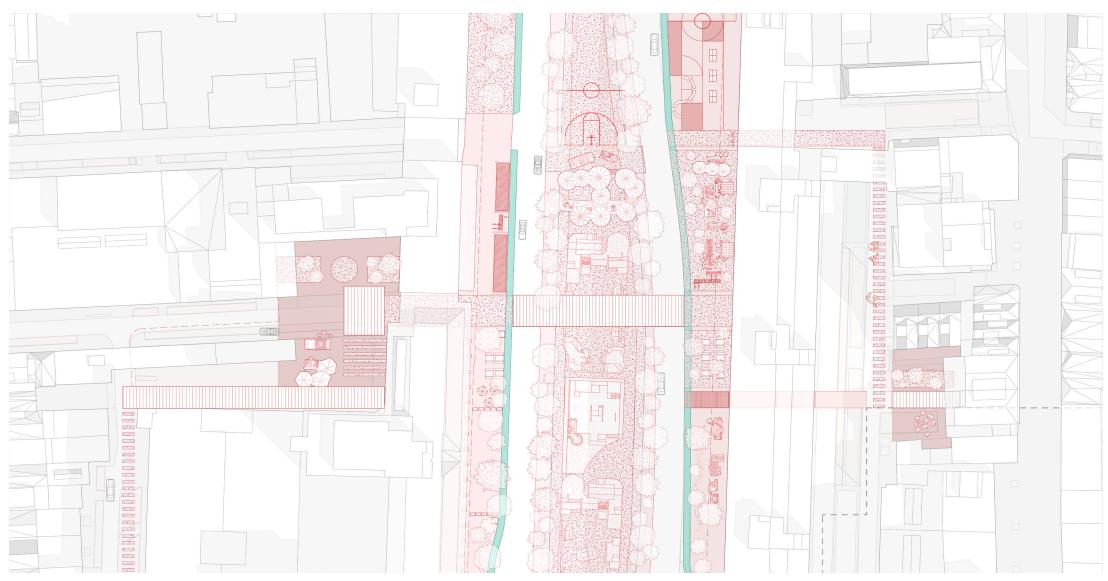


Boosting Economic Value and Supporting Local Businesses through Mixed-Use Development



Connecting The New Courtyards

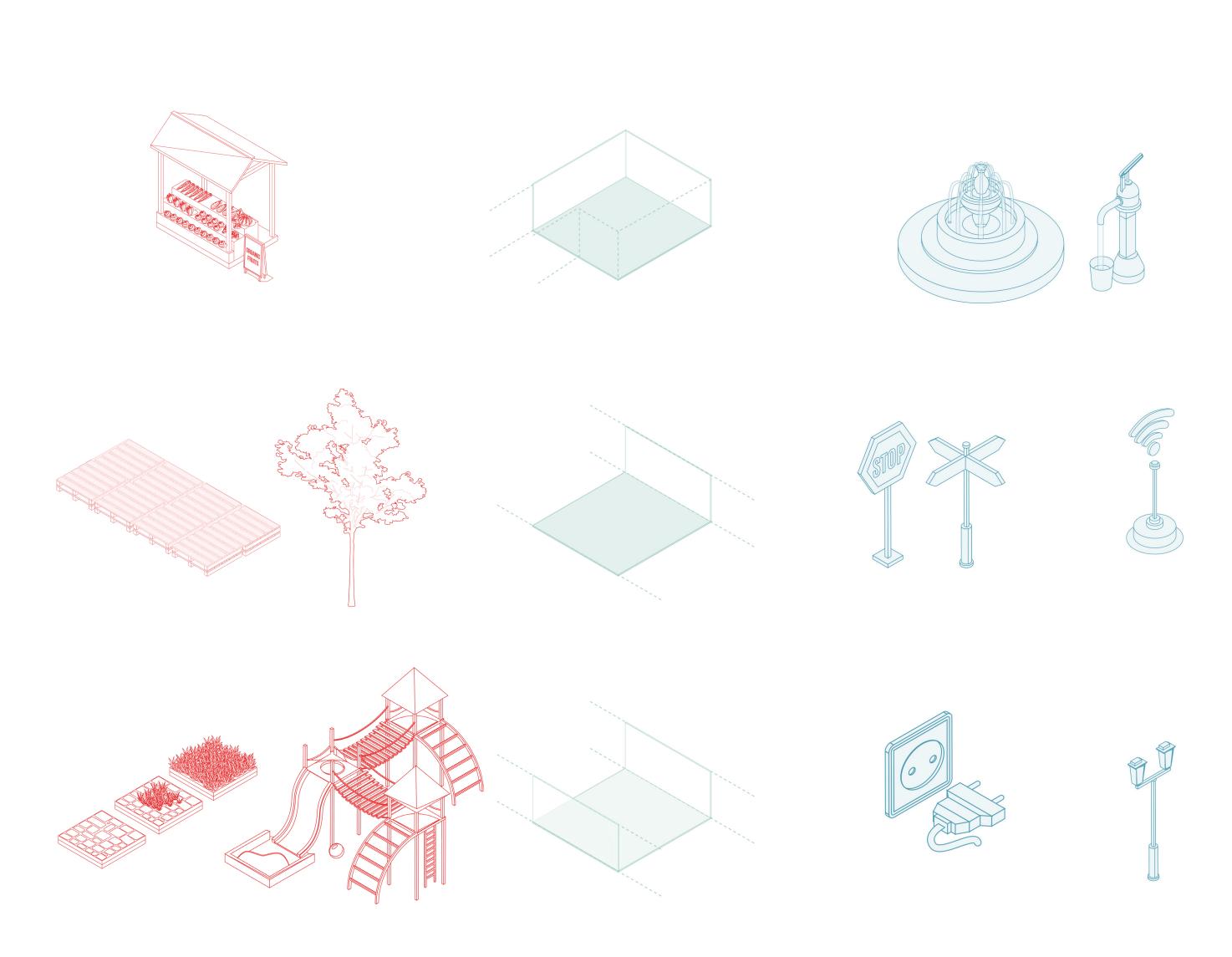




Tactical Elements

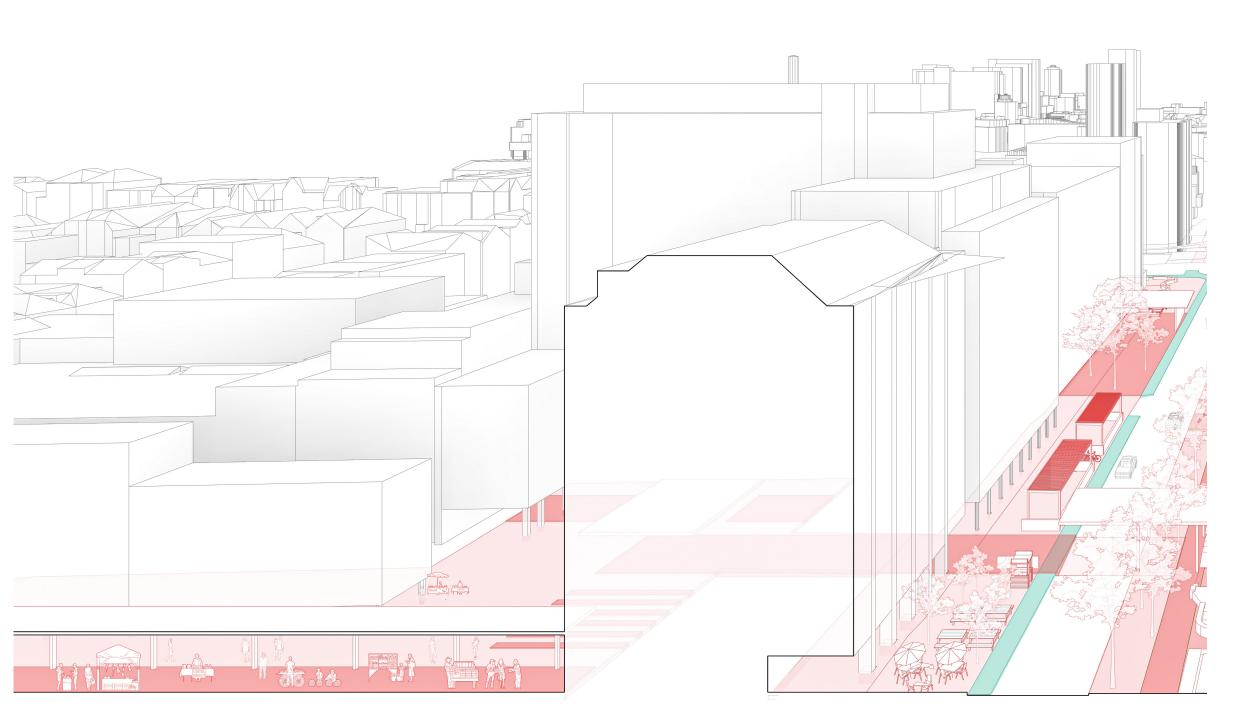
Connecting the courtyards, which were previously urban cracks, enabled functions such as the urban stage and kids' play zone to exist through (spatial infrastructure type 3), safety policies (policy infrastructure), and other punctual infrastructures like electrical supply for the stage, signage for both, and lighting for night shows.

Depaving, as a bottom-up tactical act, occurred across all three spatial infrastructural types, supported by participation policies (policy infrastructure), directional signag, and essential water and electrical supplies (punctual infrastructure).



Spatial Infrastructure & Policy

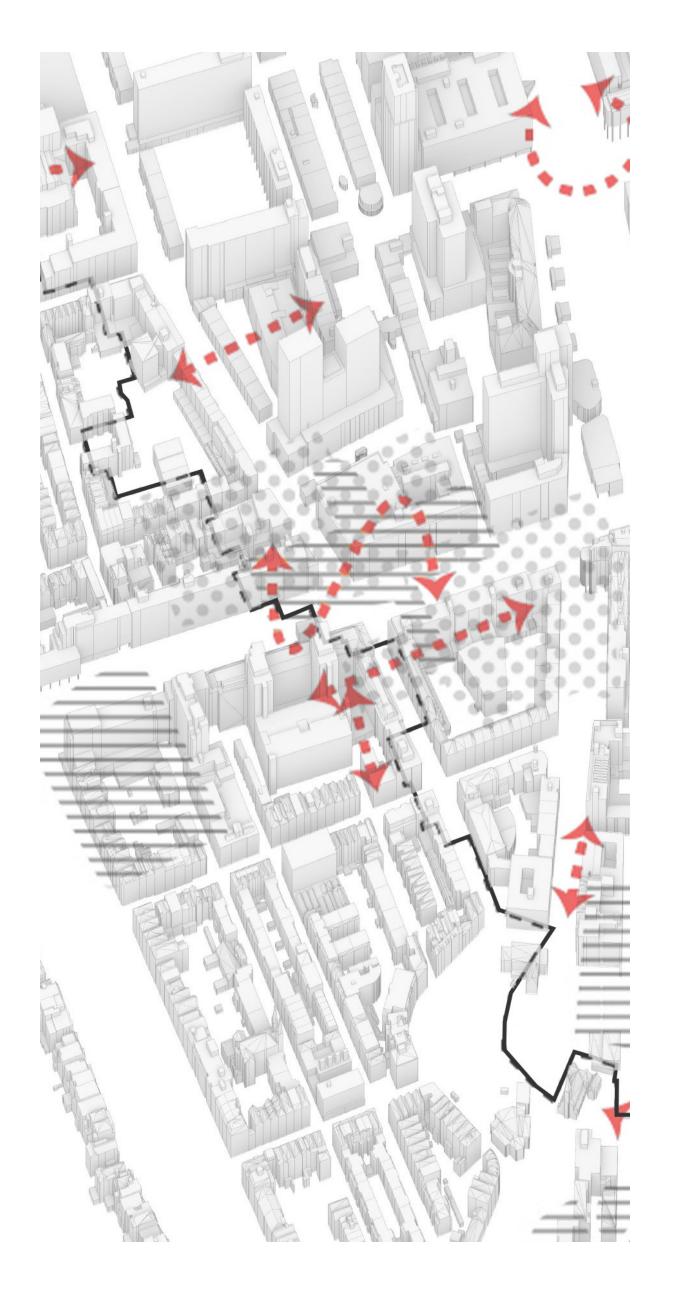
Punctual Infrastructure



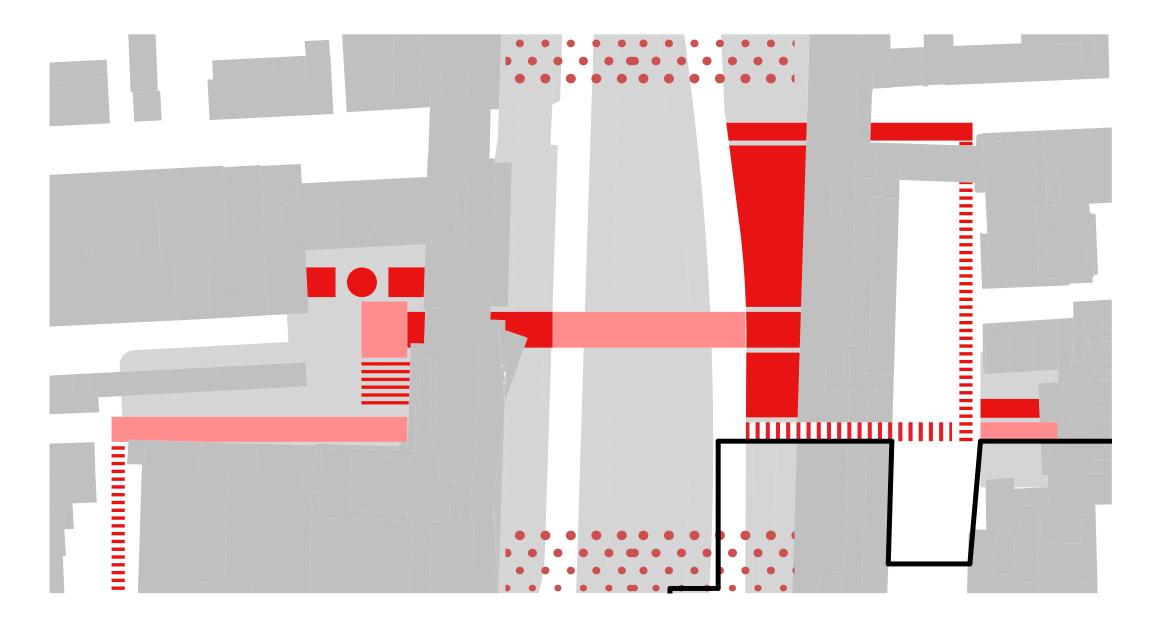


https://parcitypatory.org/2020/07/31/tactical-urbanism/

Enhancing Connectivity and Walkability



Implementing Tactical Connections





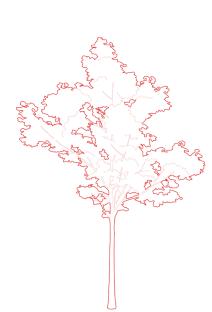
Tactical Elements

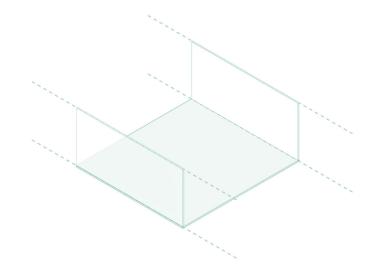
Spatial Infrastructure & Policy

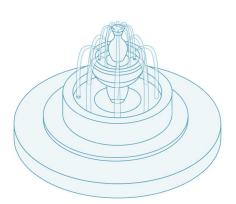
Punctual Infrastructure



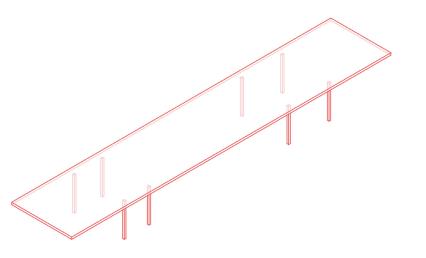
Horizontal elements such as **shades** and urban **furniture**. **Green connectors** like **trees**, **bushes**, and **vegetation** to link both sides. **Visual** connectors using tools like **paint**, **Light installations**, and **art installations**

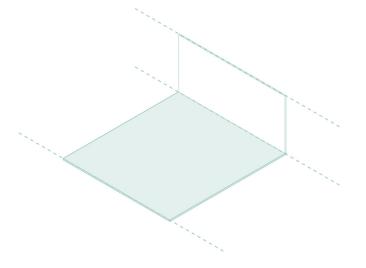




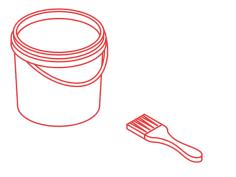


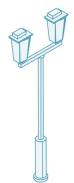












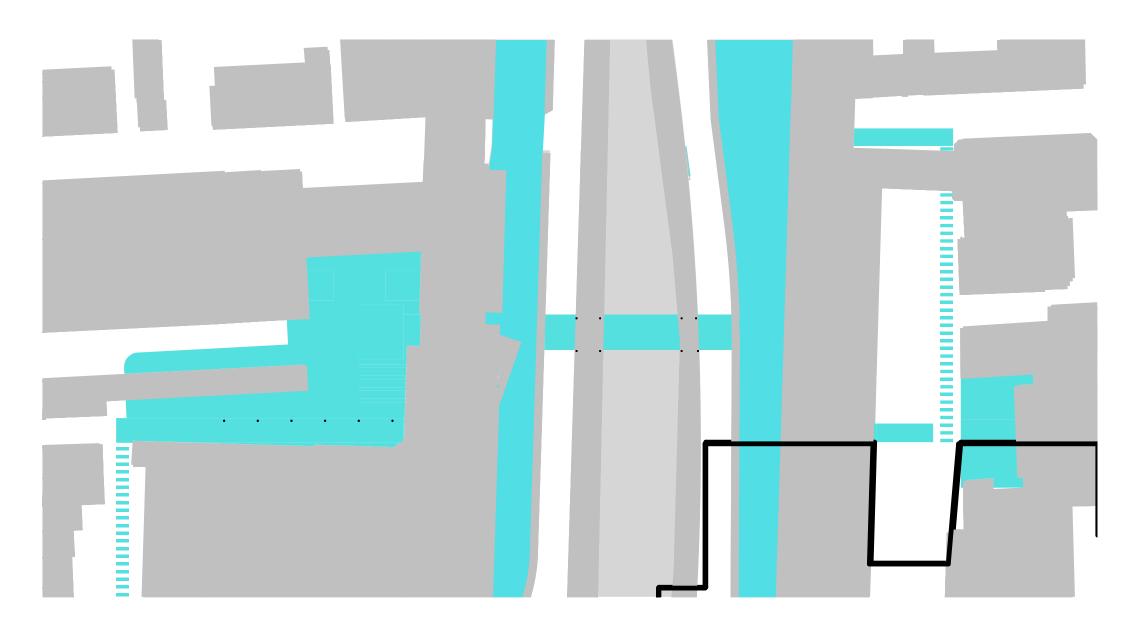


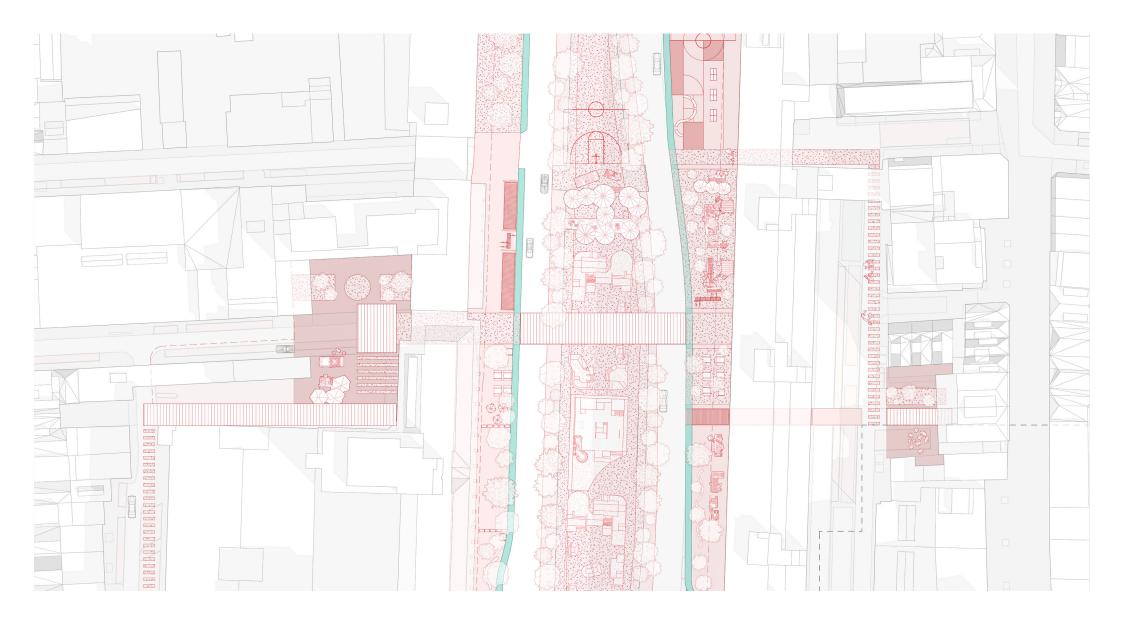


Developing Green Infrastructure

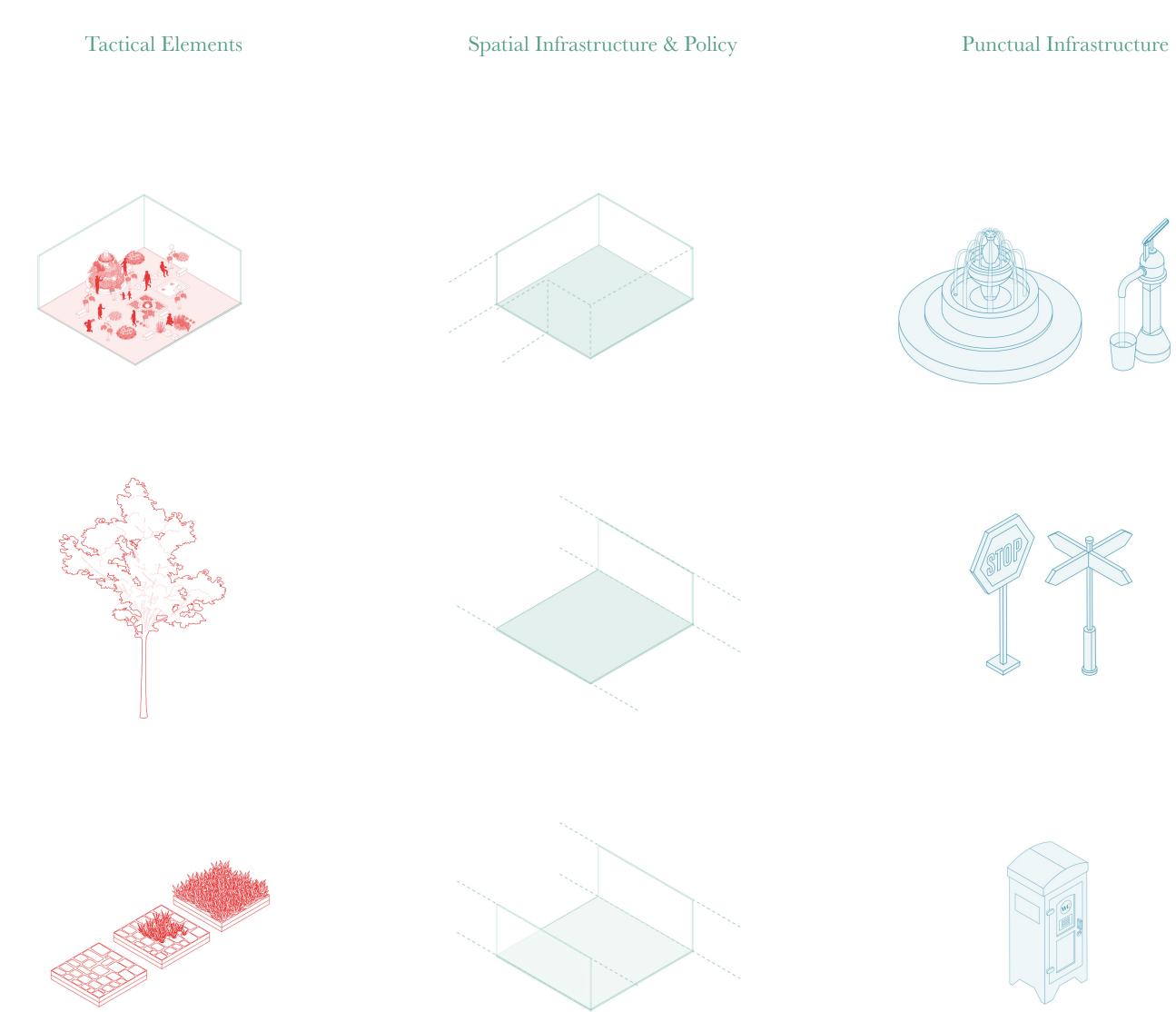


Creating ecological networks.



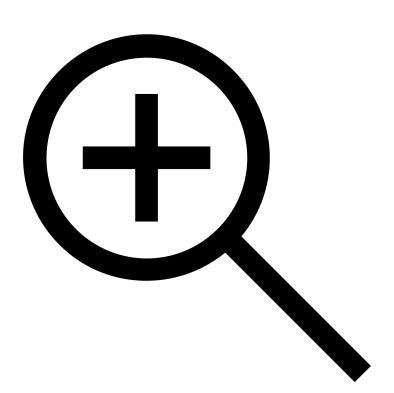


All the tactical elements and tools used—such as trees, depaving, urban farming, green partitions, and pocket parks—depended on essential infrastructure like water supply, signage, and public toilets (punctual infrastructure). The availability of space, represented by three types of spatial infrastructure—corridors, courtyards, and sidewalks—enabled these interventions. Corridors and courtyards facilitated depaving, sidewalks and courtyards accommodated tree planting, and pocket parks.





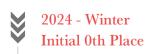


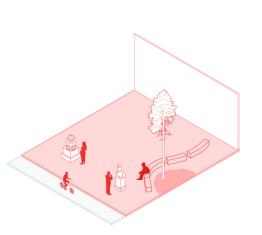


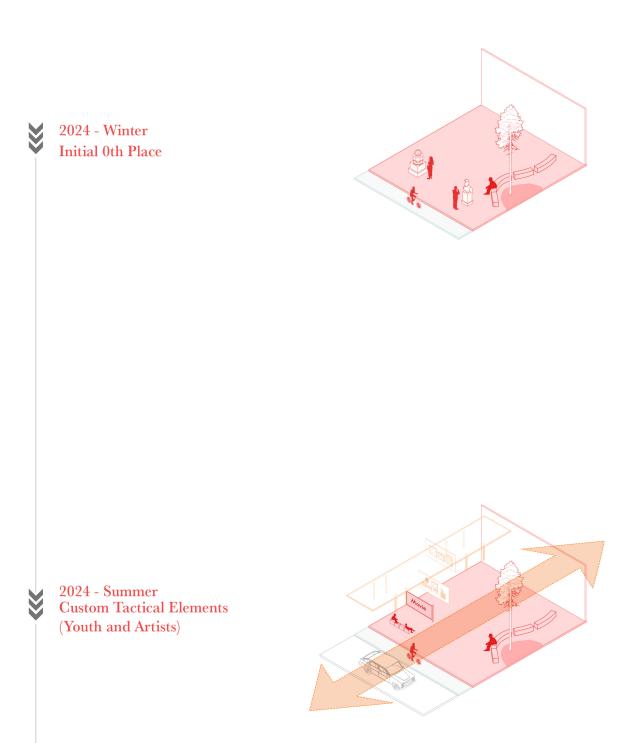
2-Fieldwork
3-Problematization
4-Strategizing
5-Description (design testing)
6-Final Design
7-Urban Evolution ('0th place' concept in action.)

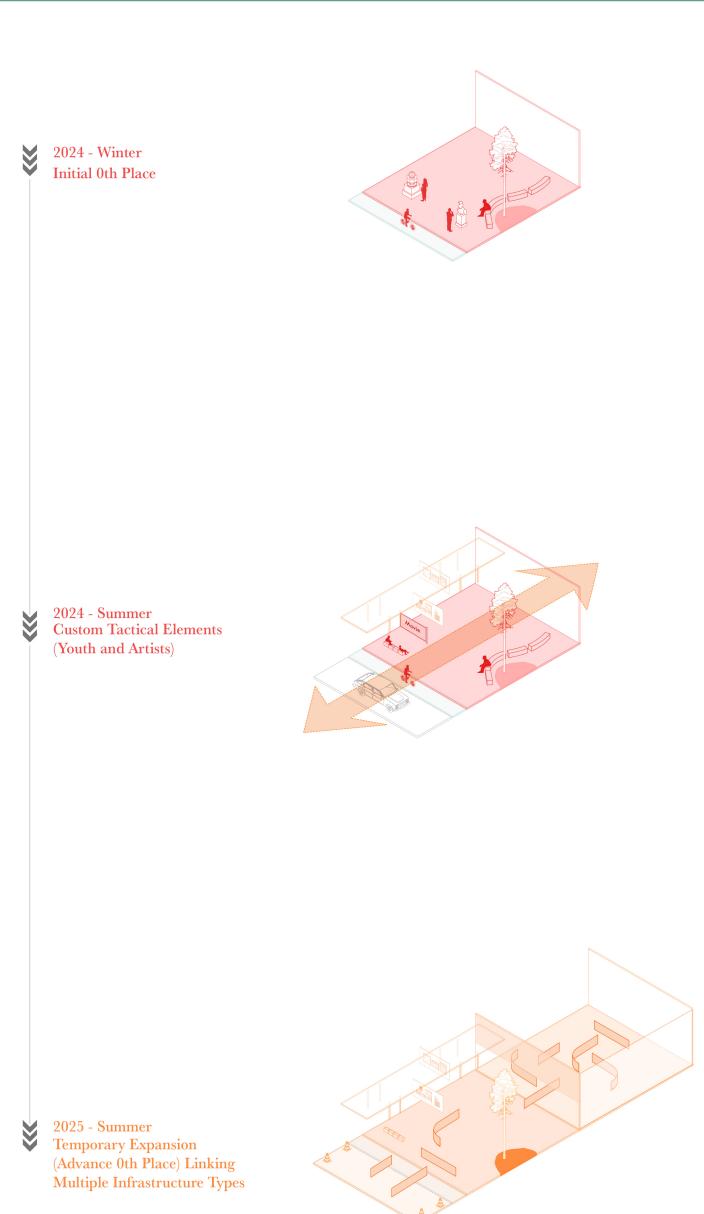
0th place (Reset)

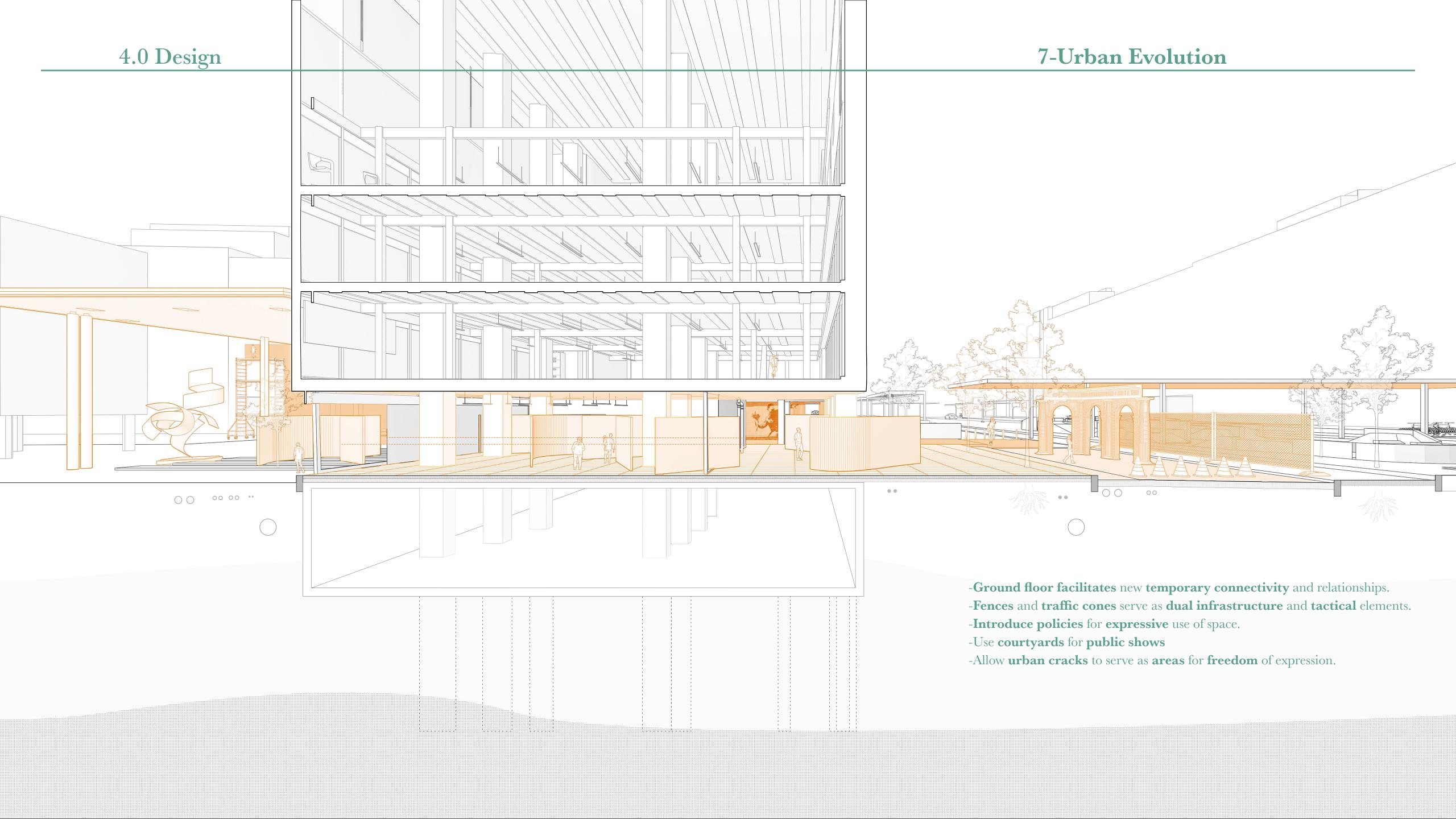
How could the space look for each user (social group)?



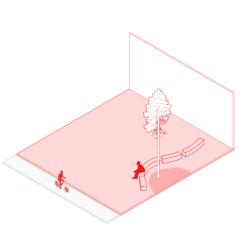


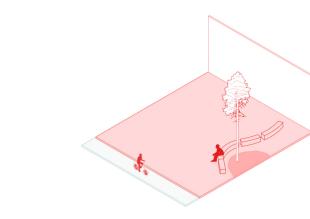


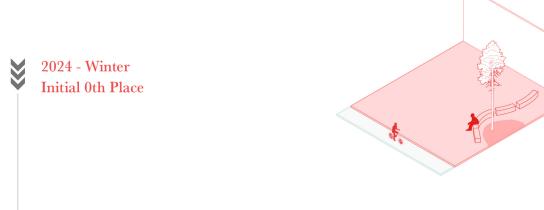




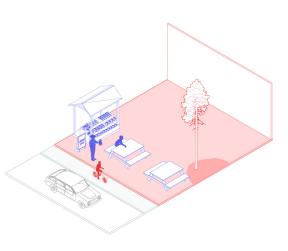


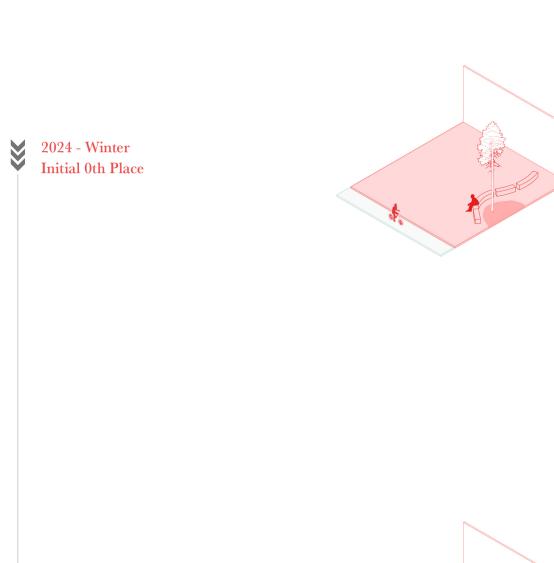




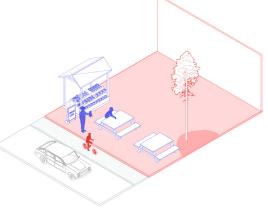






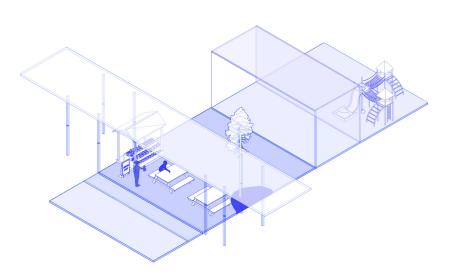


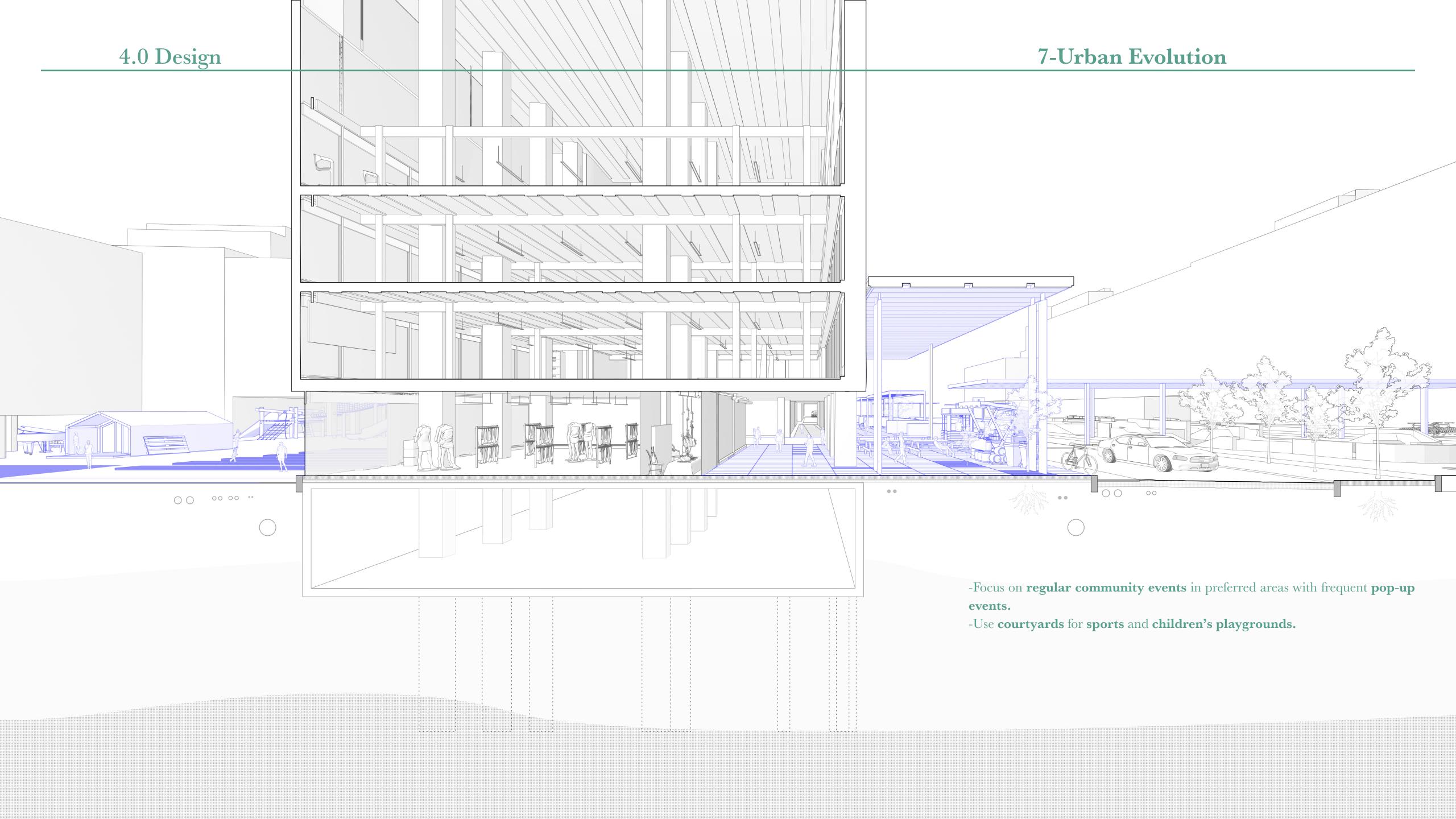
2024 - Summer
Custom Tactical Elements
(Locals and Tourists)

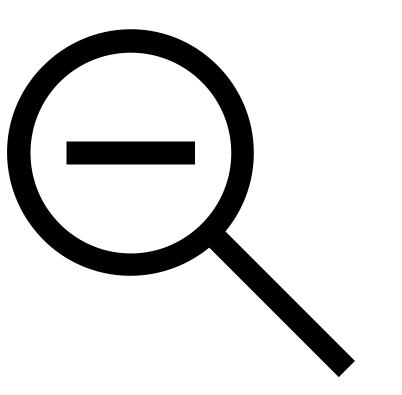




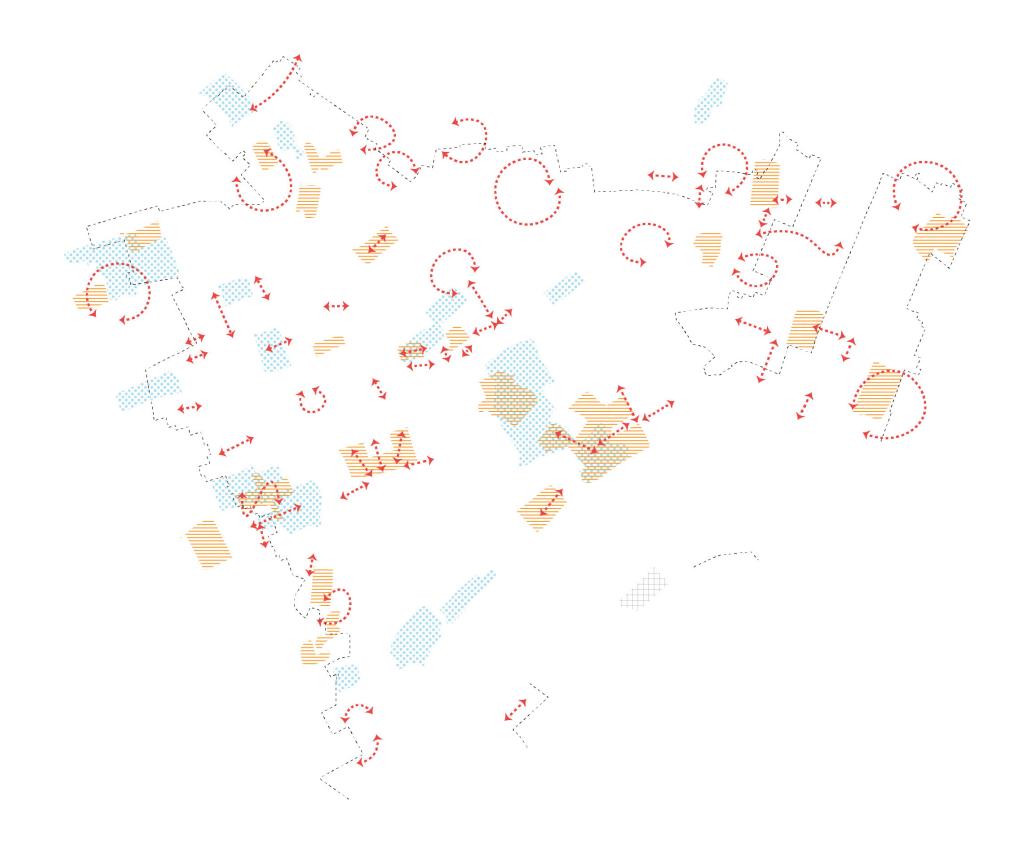
2025 - Summer
Temporary Expansion
(Advance 0th Place) Linking
Multiple Infrastructure Types

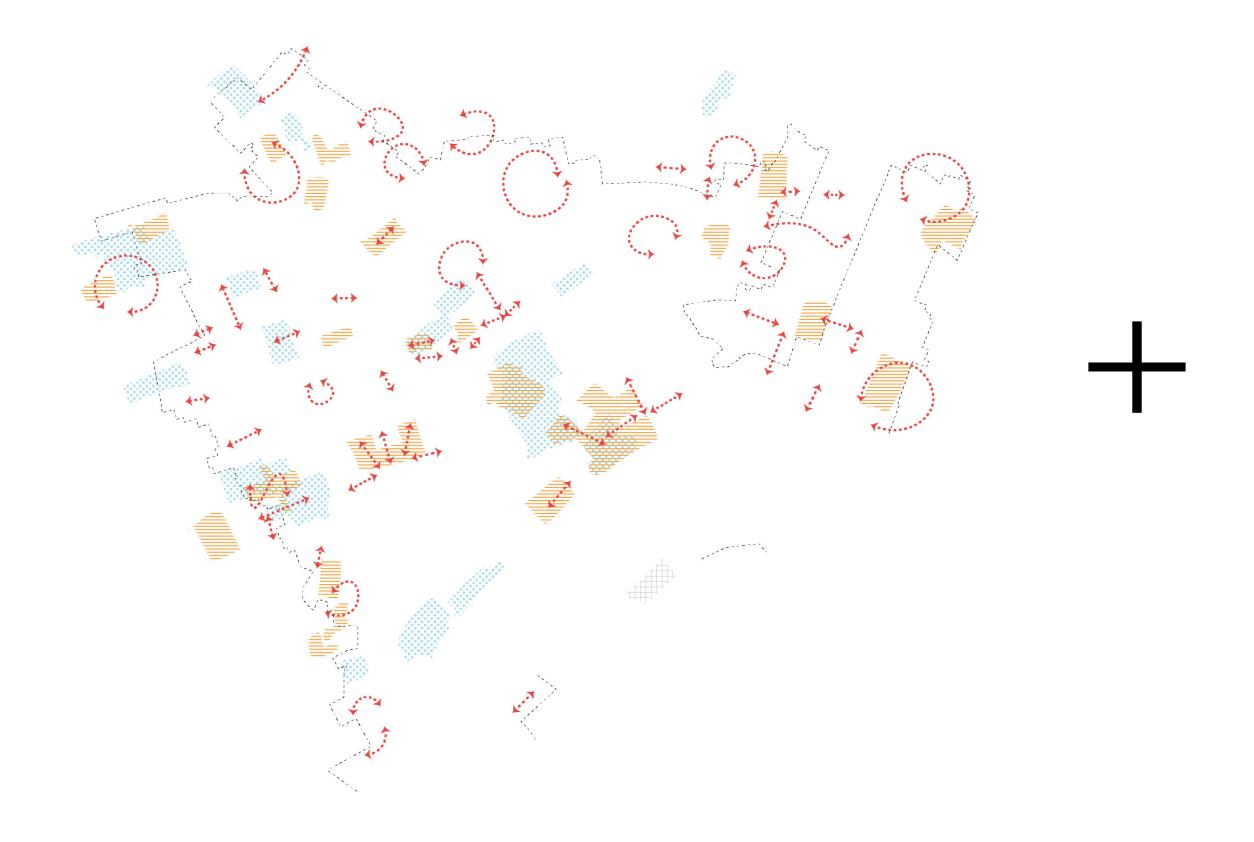


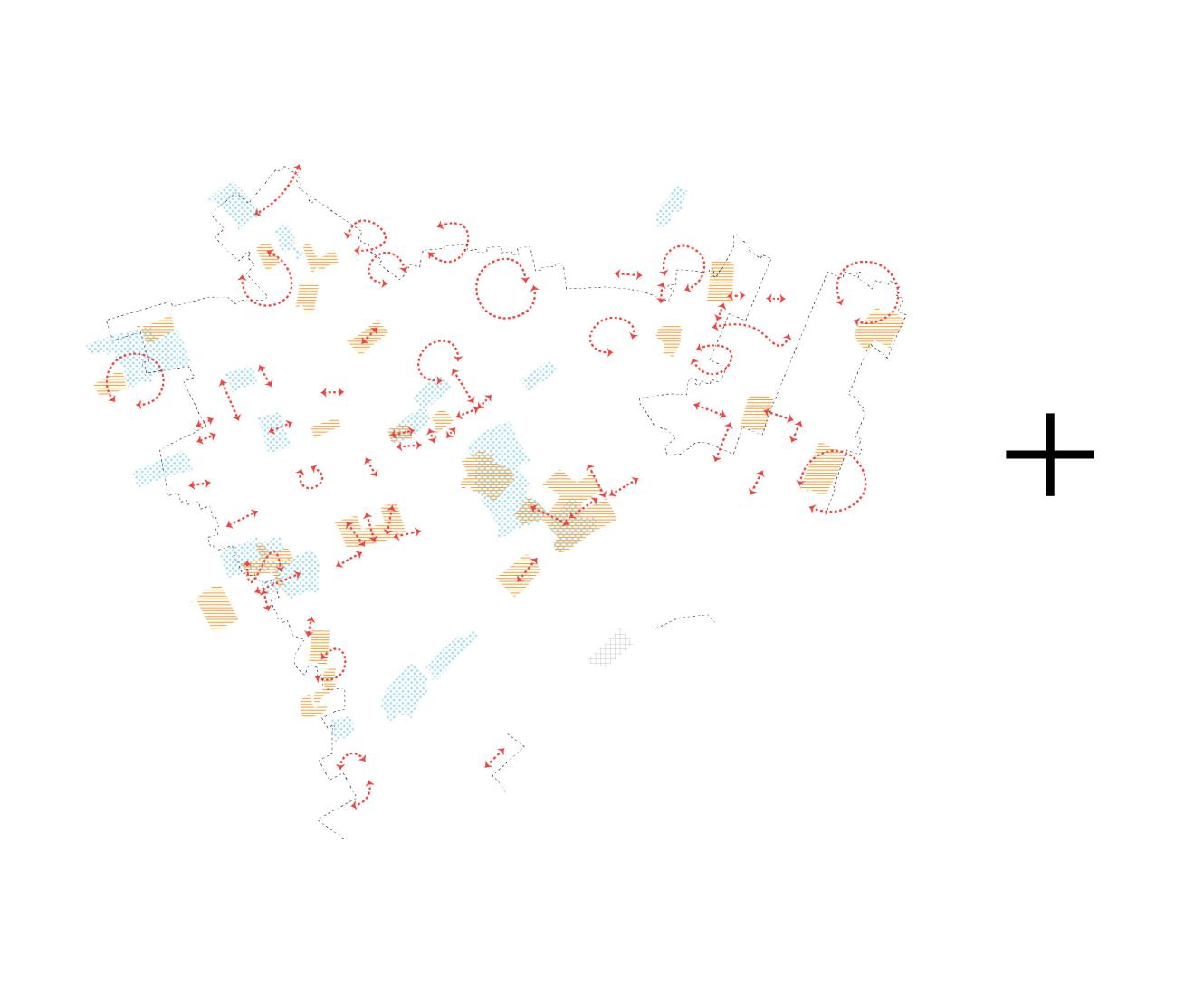


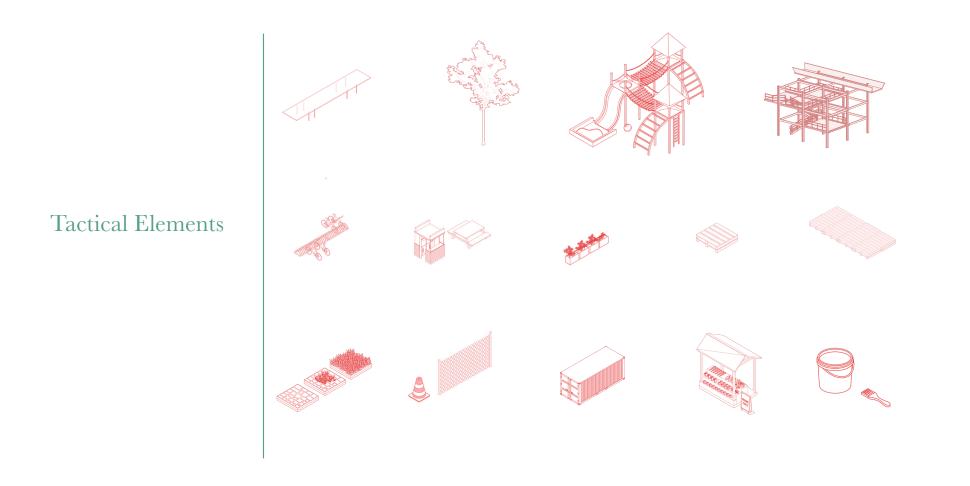


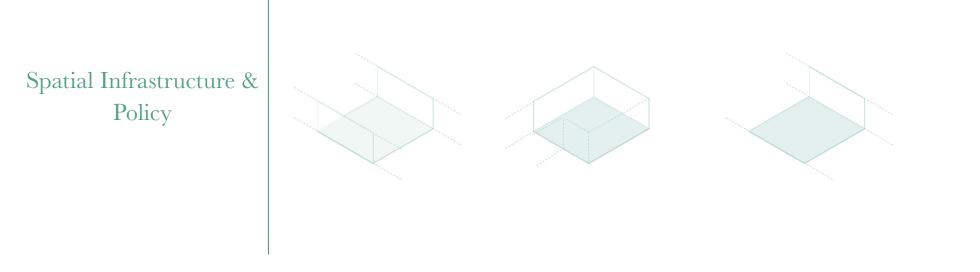
8-Scaled-up Brandgrens Strategy

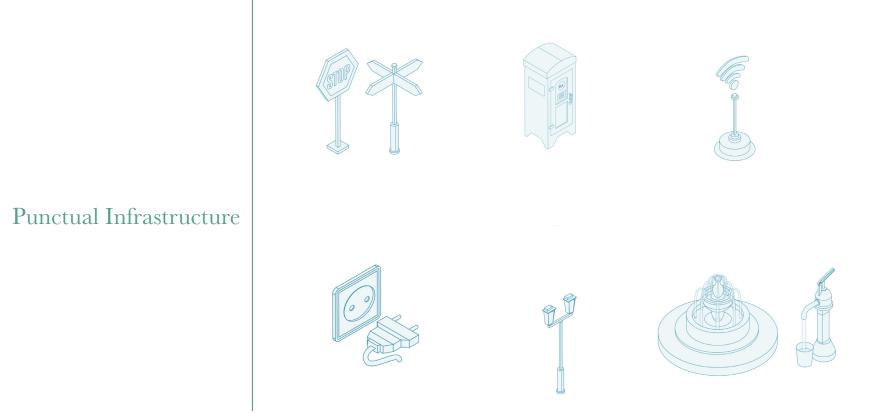






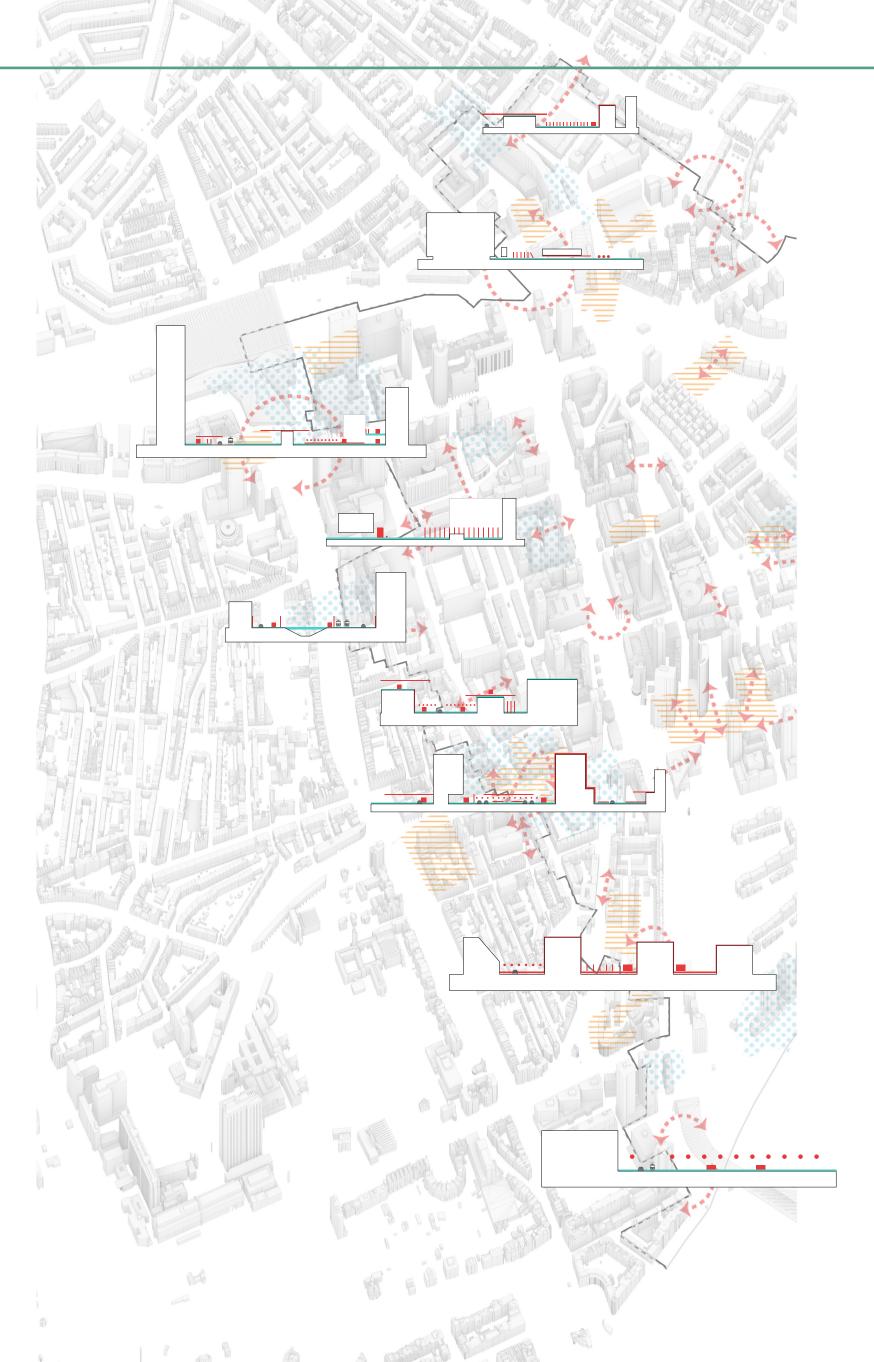


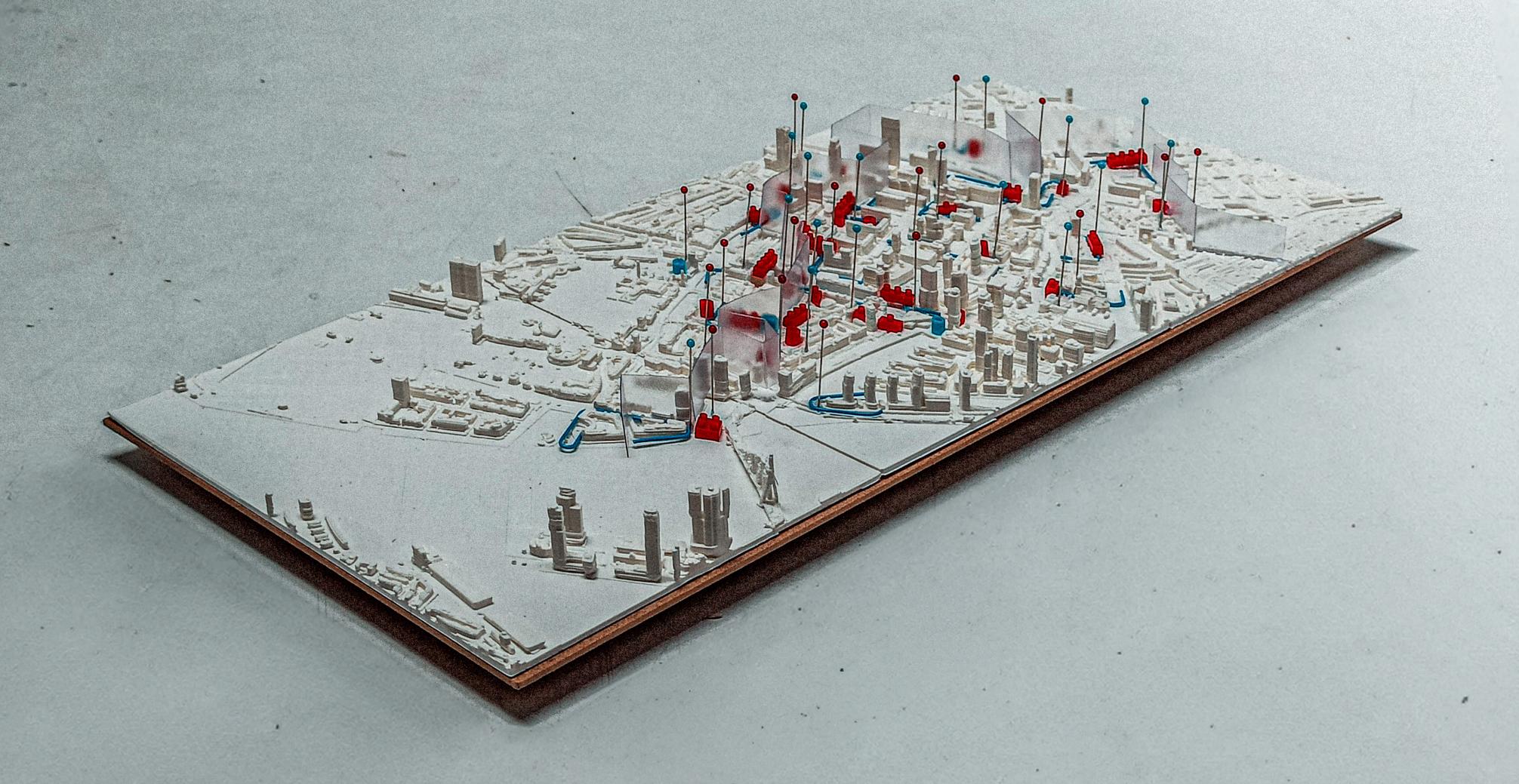




- Small tactical elements (bench, depaying, palettes, etc.)
- Green tactical elements (trees, green partitions, etc.)
- Mid-scale tactical elements (public stage, pop-up market, kiosk, etc.)
- Visual connecting tactical elements (urban tables, paint, light installations, etc.)

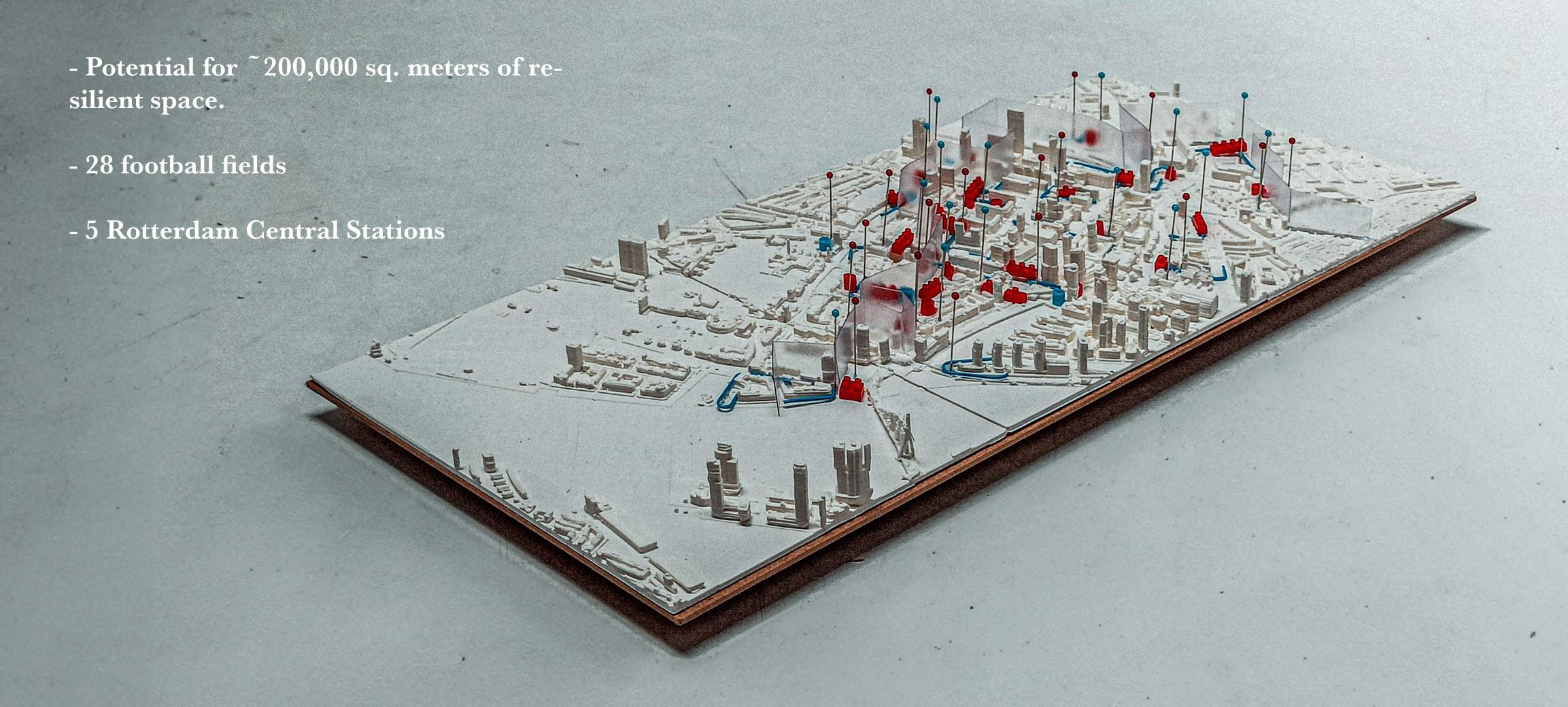
Infrastructural interventions (punctual, spatial, and policy-related)











1.0 Introduction 2.0 Research Design 3.0 Design Research Conclusions

4.0 Design

Problematization

Methodology

Analysis

Design

The process of **identifying**, **uncovering potential**, and **designing** urban cracks led to a **systematic framework** for **analysis** and **design**.



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The **Brandgrens** served as an **entry** point to **explore urban cracks** and influenced the final design in Wesblaak. A key aspect of the project is its **transferability—adaptable** but not **duplicable**.



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Urban cracks are examined at the city level but addressed on an architectural scale. due to their inherent complexity and the diverse contexts in which they are found.

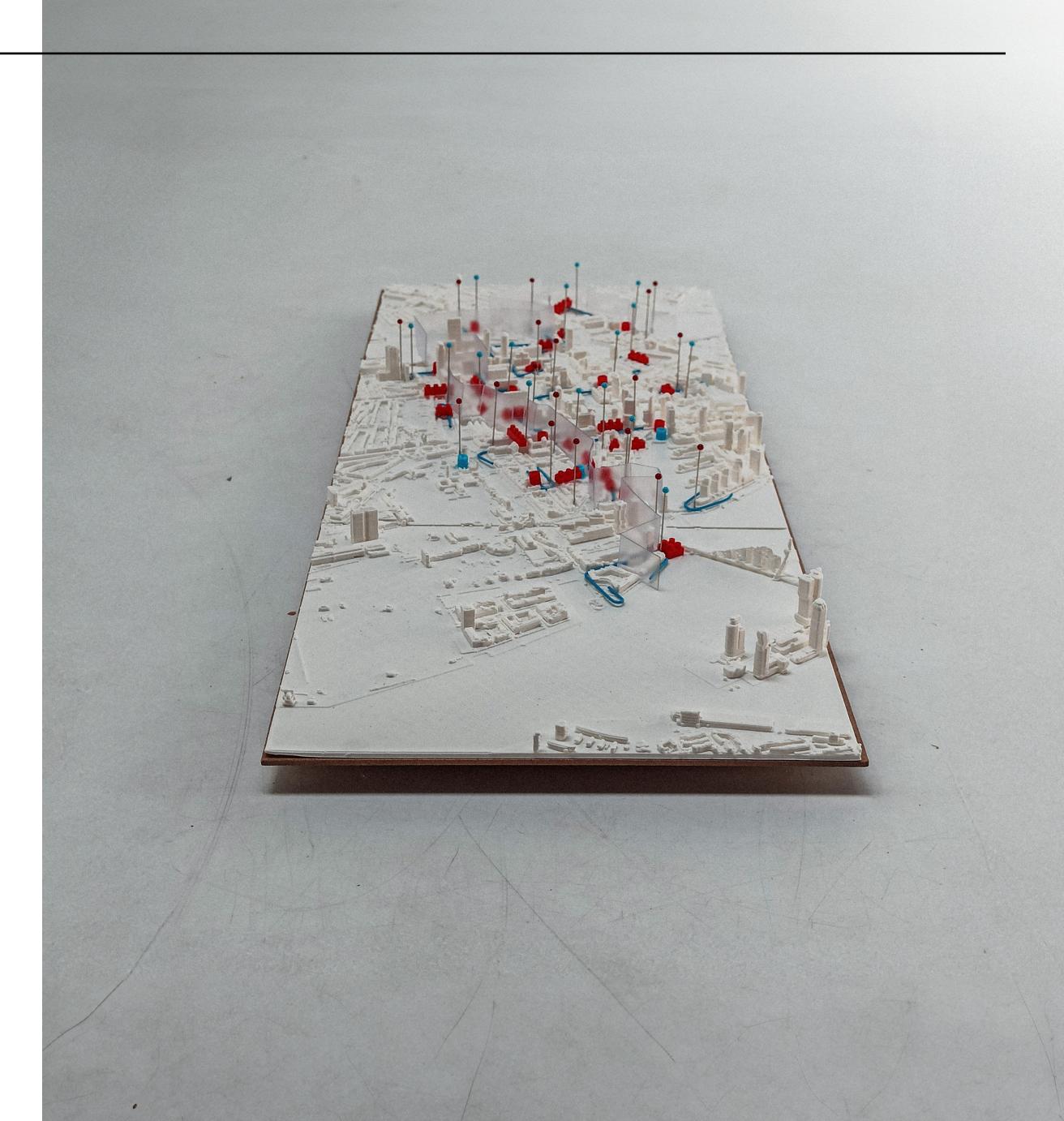


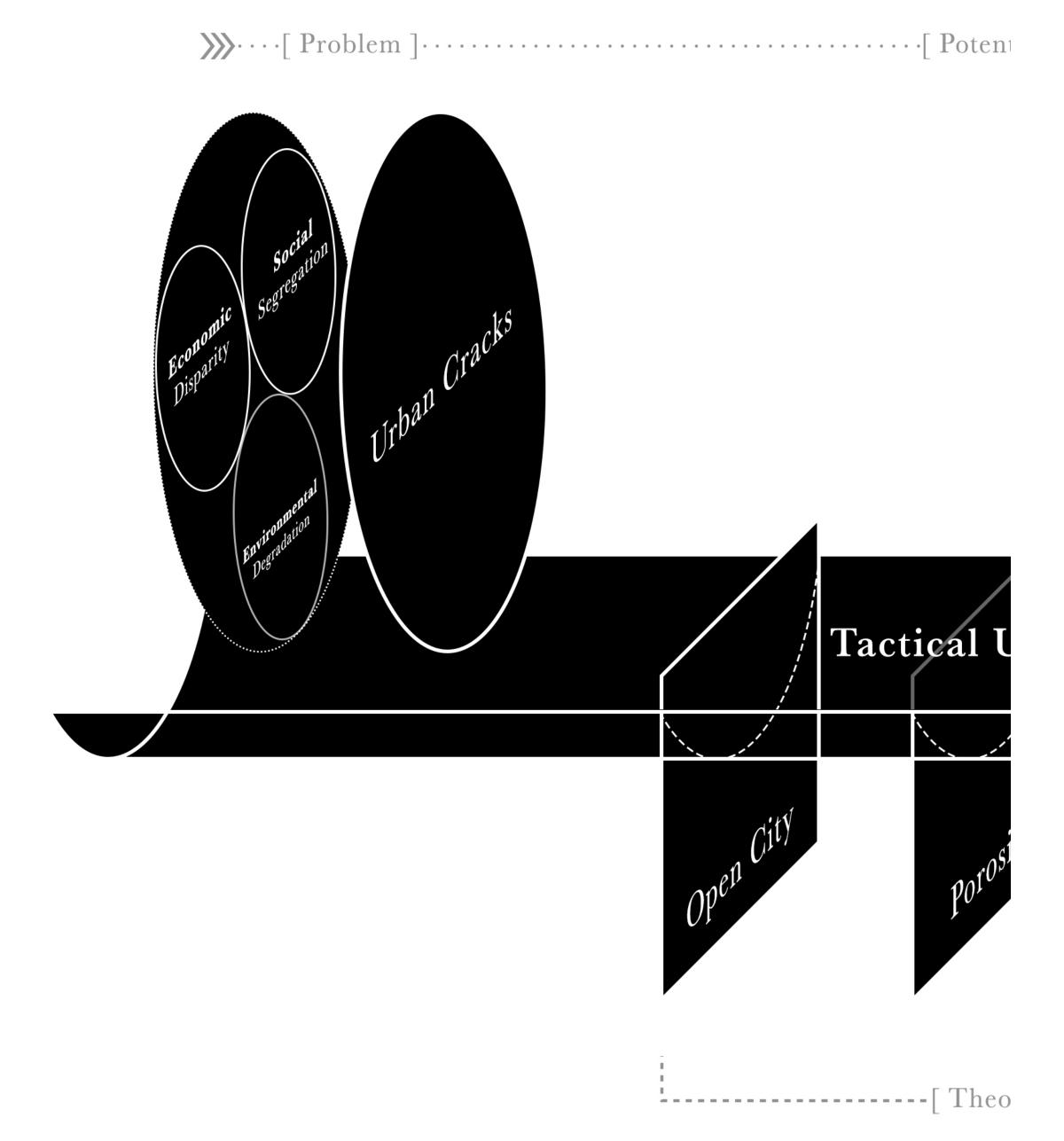
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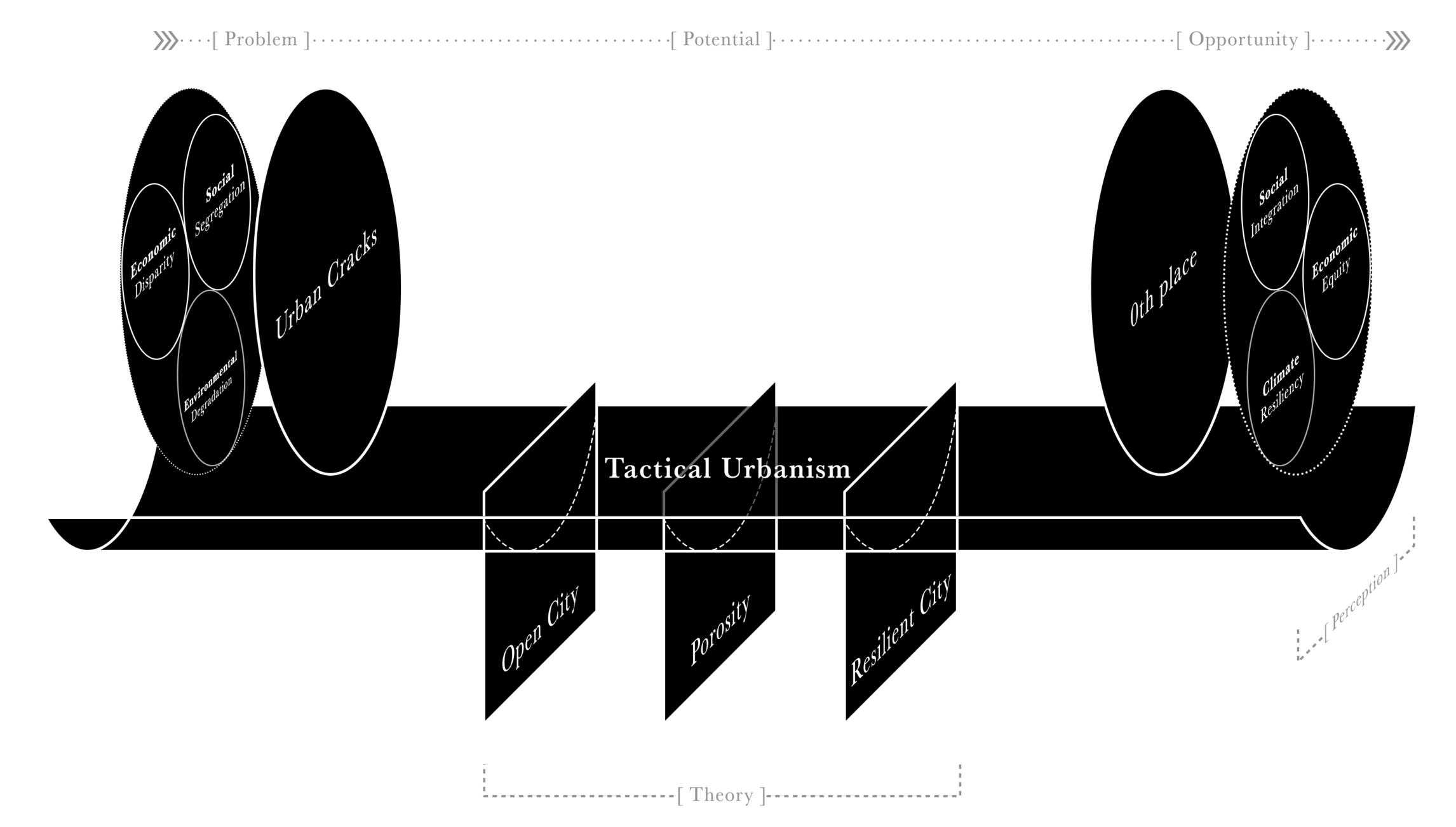
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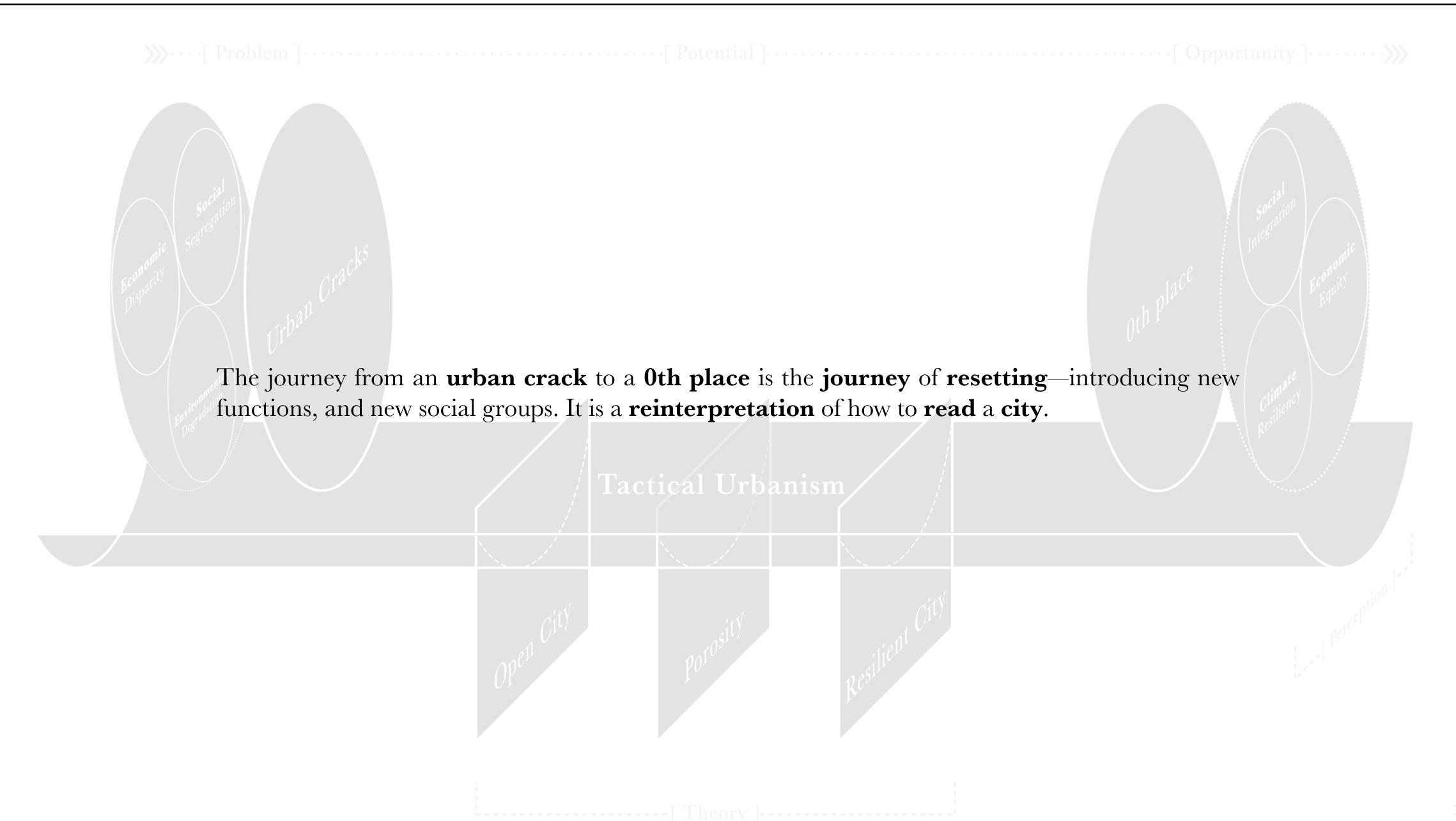
Urban cracks are examined at the city level but addressed on an architectural scale. This approach considers their inherent complexity and the diverse contexts in which they are found.

Oth place resets the concept of 'separation' by illustrating how diverse neighborhoods can synergize through tactical urbanism and infrastructure interventions.





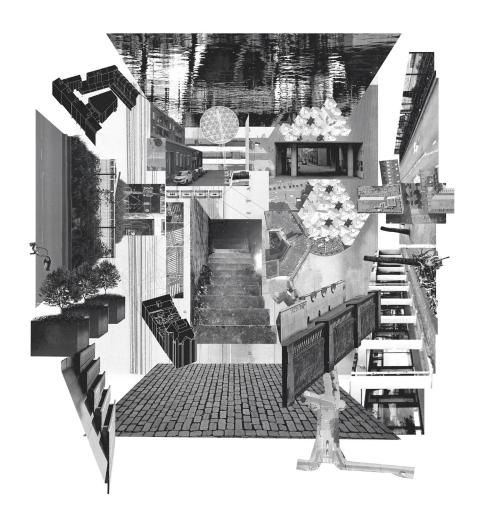






The 0th Place

Utilizing Urban Cracks as Experimental Sites



Thank you for listening!