

Open density

Transforming Zuidwest by densification
and open city strategies

MASTER THESIS
P. HARING
1277804

GRADUATION COMMITTEE:
IR. M.W. (MARCEL) MUSCH
DR. IR. (DENA) KASRAIAN
PROF.DR.IR. P.J.V. (PIETER) VAN WESEMAEL

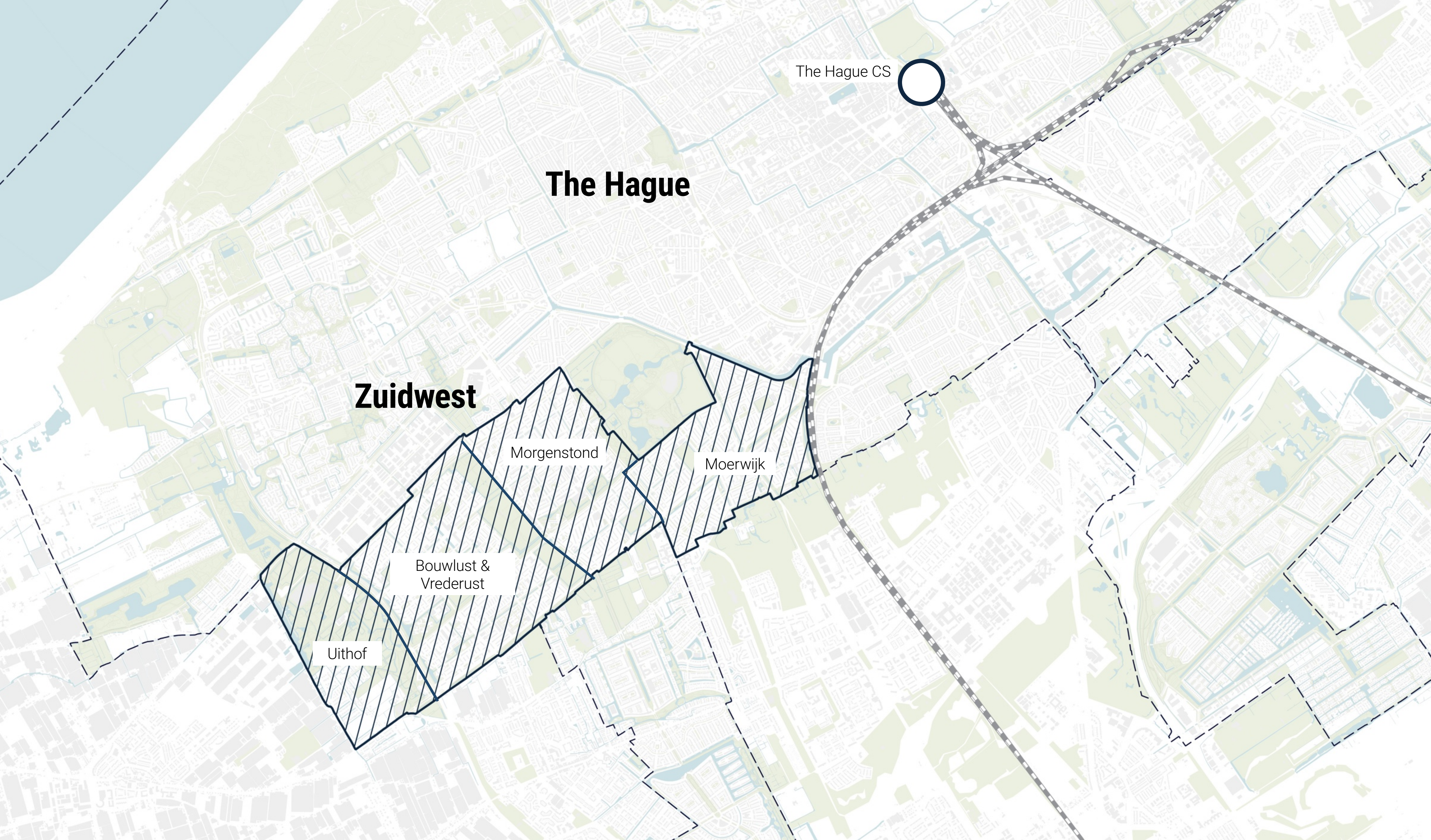
7W45M0 GRADUATION STUDIO: DENSIFYING DUTCH CITIES 2019 - 2020
EINDHOVEN UNIVERSITY OF TECHNOLOGY (TU/E)

EINDHOVEN, 06/26/20



BACKGROUND

**“How to build for the open and dense city that
will address the challenges of Zuidwest?”**



The Hague

Zuidwest

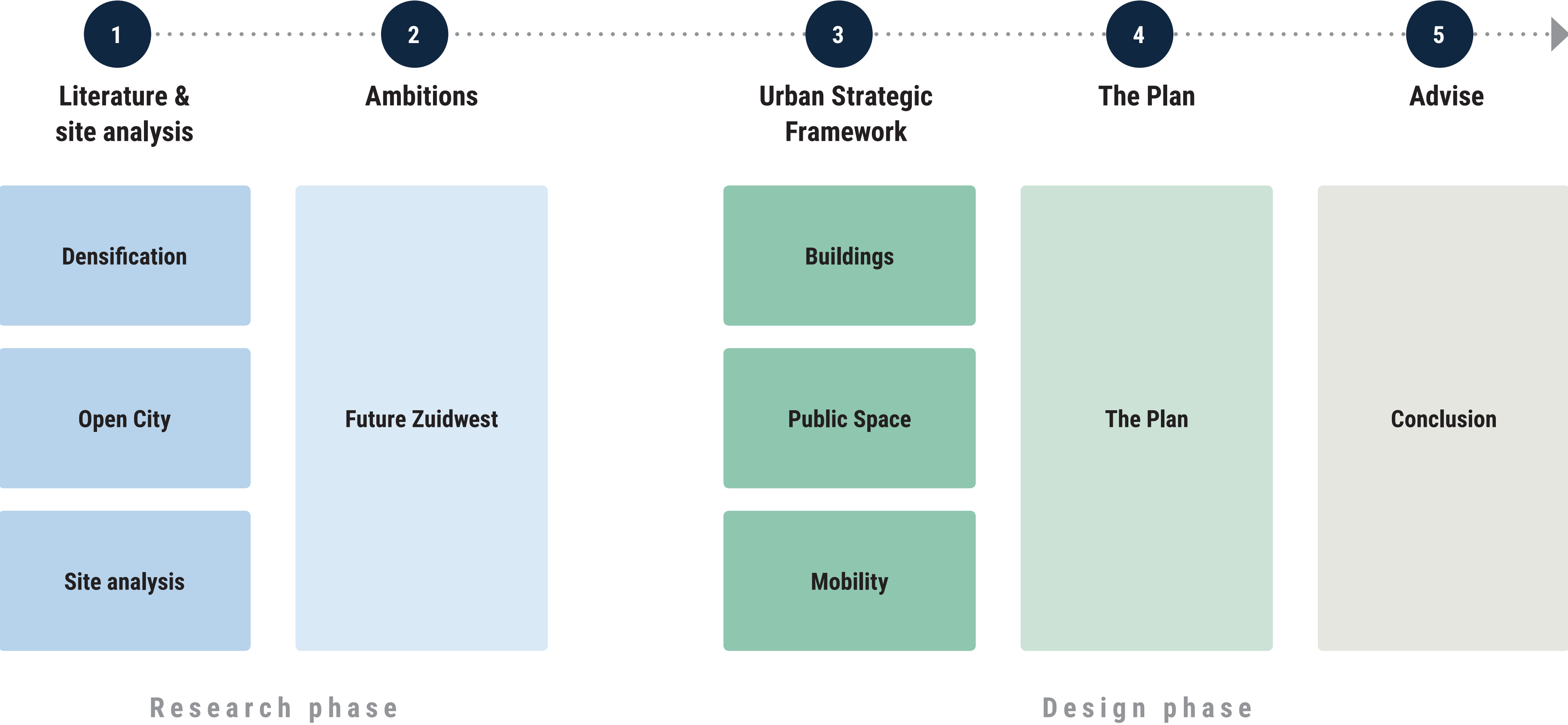
Morgenstond

Moerwijk

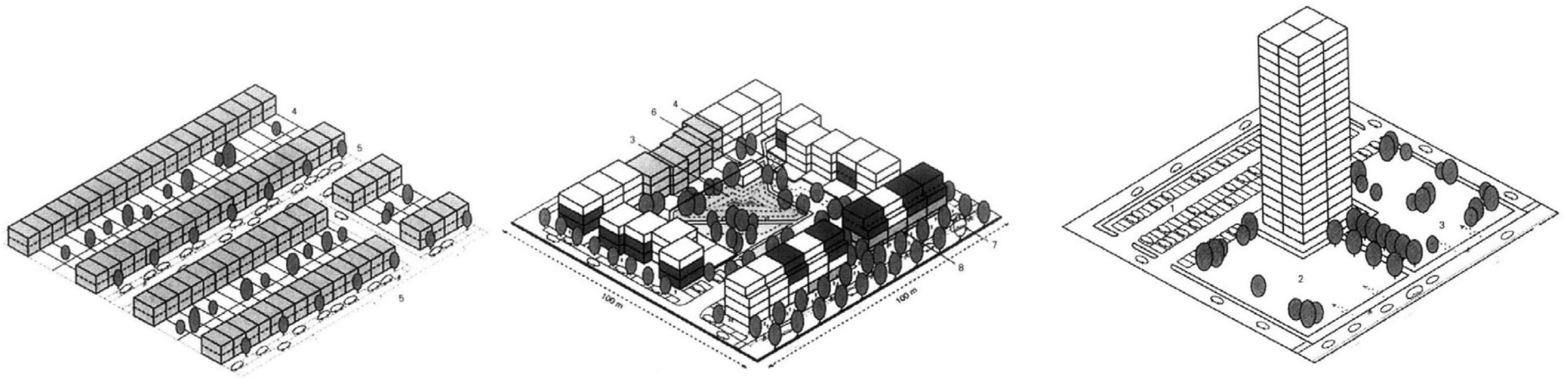
Bouwlust &
Vrederust

Uithof

The Hague CS



Literature & Site analysis



Three areas that have the same density of 75 dwellings per hectare (Mozas & Fernández, 2004, pp. 206-207)



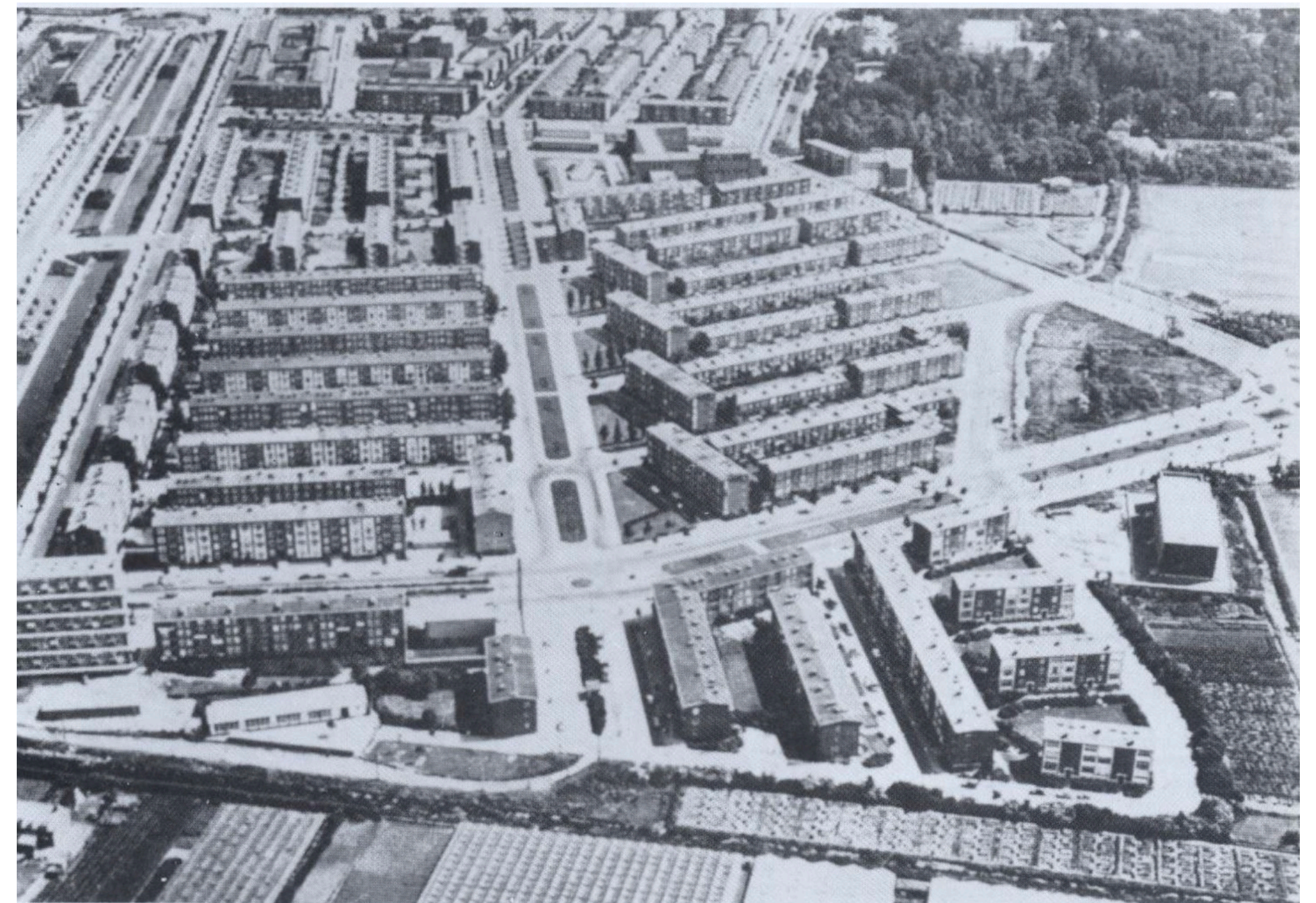
Paris, France
https://unsplash.com/photos/AcHK7_ga_4



Wan Chai, Hong Kong
<https://unsplash.com/photos/6iQBQD17ick>



Buildings set in a bit of green that are resistant to change



The monotonous building stock with a focus on order and control (van de Beek & van der Heijden, 1987)

The open city



The Hague, The Netherlands
<https://unsplash.com/photos/vfozfpEfr50>



Copenhagen, Denmark
(Gehl, 2010)



San Telmo, Argentina
<https://unsplash.com/photos/PduFeiUVhuw>

1. Synchronous spaces



Marien Platz, Munich
<https://unsplash.com/photos/LuBJ1GSvBI4>



Leyweg in The Hague, The Netherlands



Phuket, Thailand
<https://unsplash.com/photos/f4M4DjpMr1c>

2. Punctuated spaces



Stadsdeelkantoor Escamp, The Hague Zuidwest
<https://goo.gl/maps/Qgi2fnEfCqGtqiao9>



Central, Hong Kong
https://unsplash.com/photos/S8Qjo_6P6K8



Location unknown
https://unsplash.com/photos/Q8x_jjKoMnM

3. Porous edges



Copenhagen
(Gehl, 2010)



Reinkenstraat, The Hague
<https://www.lindynikkenrealestate.com/project/reinkenstraat-den-haag-2/>



Makasserstraat, Utrecht

4. Incomplete forms



Amsterdam, the Netherlands
<https://unsplash.com/photos/4ZtYoQavCVI>



Strijp-S, Eindhoven
https://brainporteindhoven.com/int/wp-content/uploads/2018/01/Brainport_strijp-s-1920x1278.jpg



Chile
<https://agile-city.com/agile-city-research/elemental-social-housing/>

5. Seed planning



Steigereiland Zuid, Amsterdam

<https://www.flyingholland.nl/-/portfolio/portfolio/amsterdam/-/medias/8ac59b3a-43b8-4a38-8394-27446ee3d9a9-steigereiland-zuid-in-de-stadswijk-ijburg-in-amsterdam-oost>



Superlofts Buiksloterham, Amsterdam

<https://bit.ly/2Z3cATL>

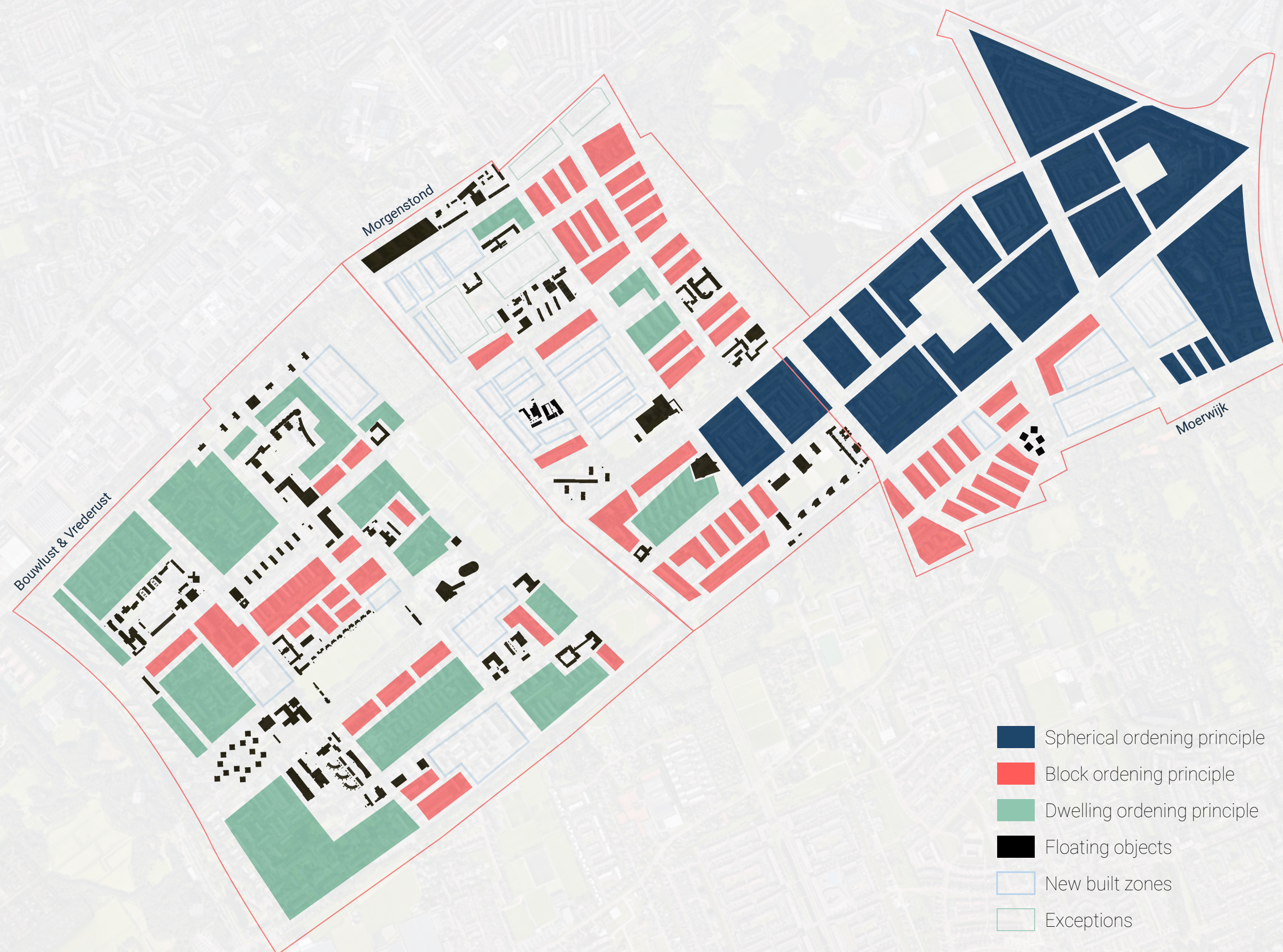


Schoonschip Buiksloterham, Amsterdam

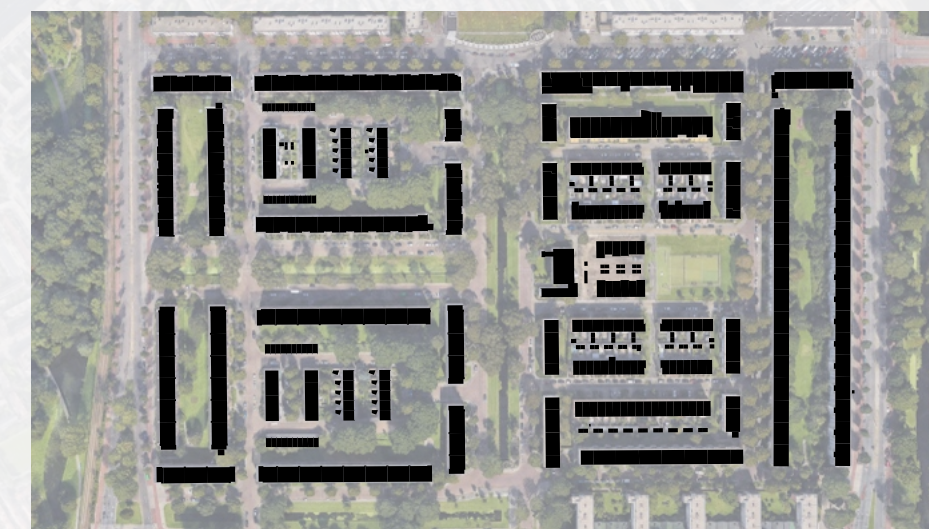
<https://www.arcam.nl/en/do-it-yourself-architectuurwandelingen-buiksloterham/>



- ↔ Main road structure
- Main green structure
- - - Canals
- Shopping areas



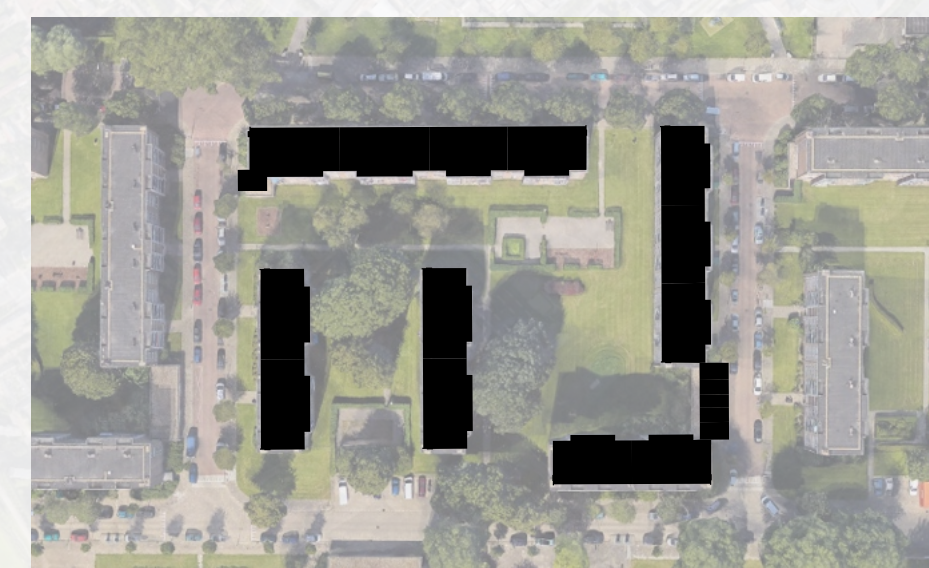
- Spherical ordering principle
- Block ordering principle
- Dwelling ordering principle
- Floating objects
- New built zones
- Exceptions



Spherical ordering principle

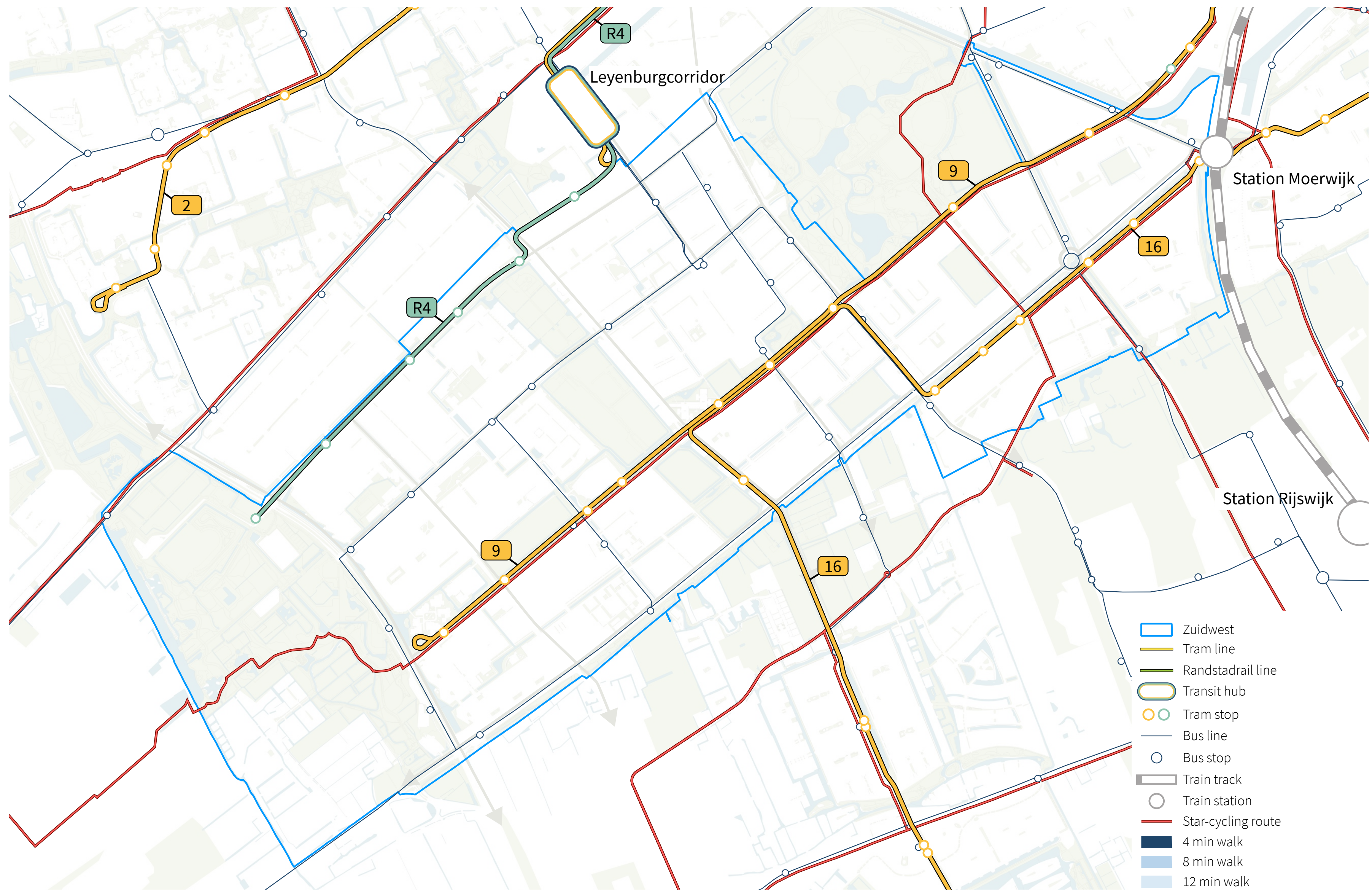


Dudok Block

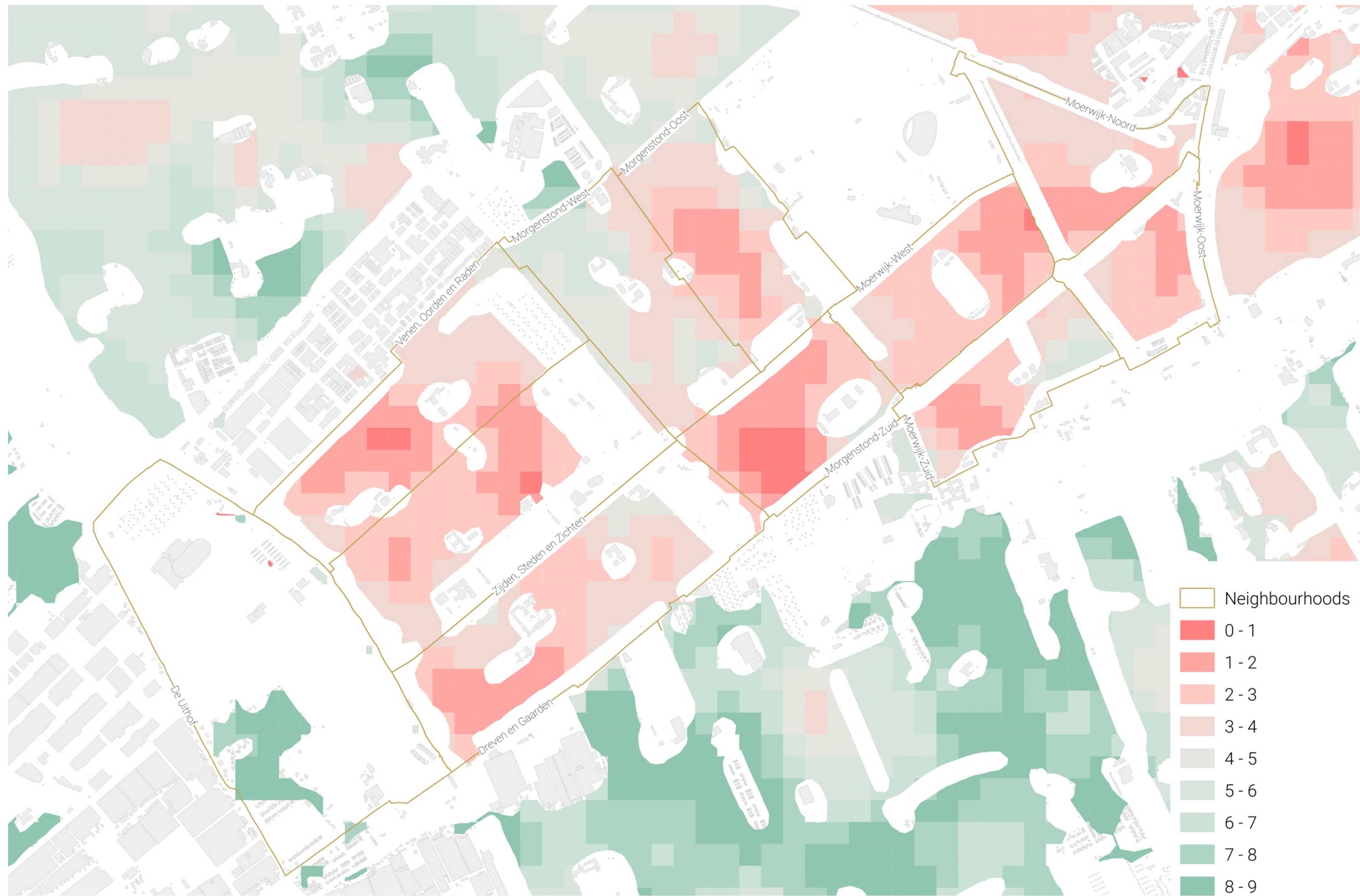


Dwelling ordering











ZUIDWESTFLANK fietsstad

verbeteren bereikbaarheid

- bestaande Randstadrail
- treinstation
- kansen voor versnellen OV
- tramhalte
- verbinding langzaam verkeer
- hoofd fietsroute
- verbeteren relatie landschap/stad
- bestaande waterverbinding
- optie voor nieuwe waterverbinding

publieksaantrekkende functies

- stadshart Leyweg
- wellness voorziening
- Haga ziekenhuis
- sportcampus Zuiderpark
- sportpark De Uithof
- recreatieve voorzieningen

transformatiegebieden

- kansen voor stedelijke verdichting
- vernieuwing stadswijken
- stedelijke vergroening
- kansen voor landschapspark
- kansen voor wonen in het groen
- studie transformatie infrastructuur en verstedelijking
- kansen voor stedelijke transformatie infrastructuur



Ambitions



1 Buildings



2 People



3 Public space



4 Mobility



5 Amenities

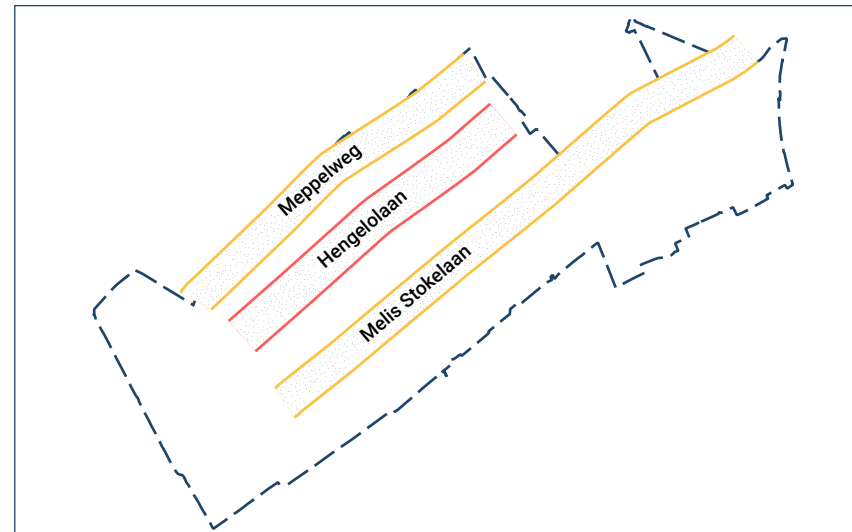


6 Resilience

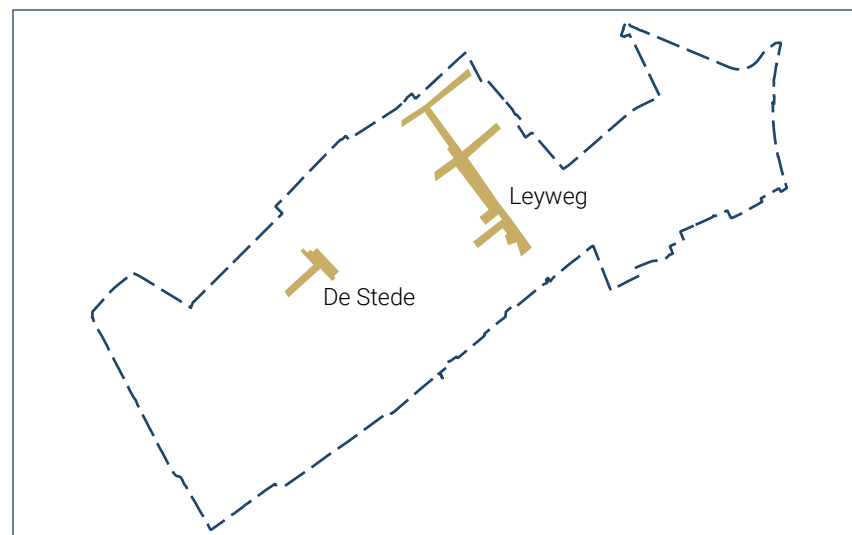
Urban Strategic Framework

Buildings

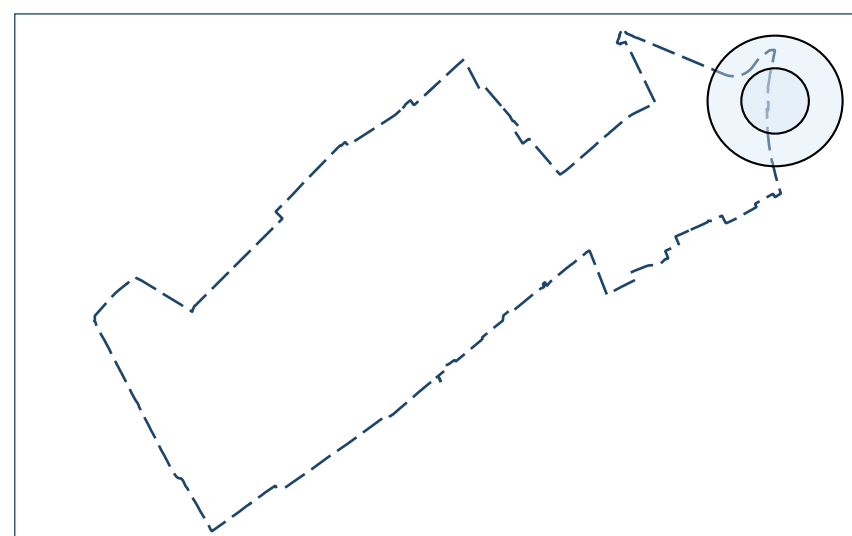
Regional



Intensification along city streets

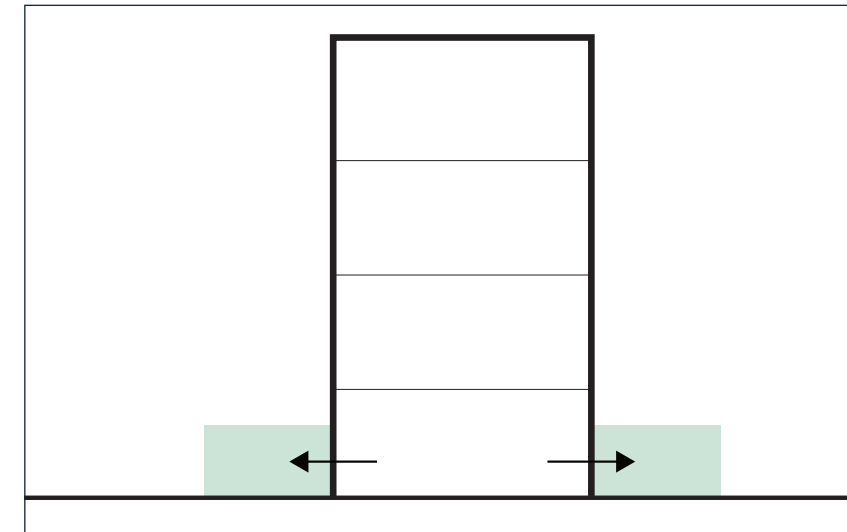


Leyweg and De Stede as district centres

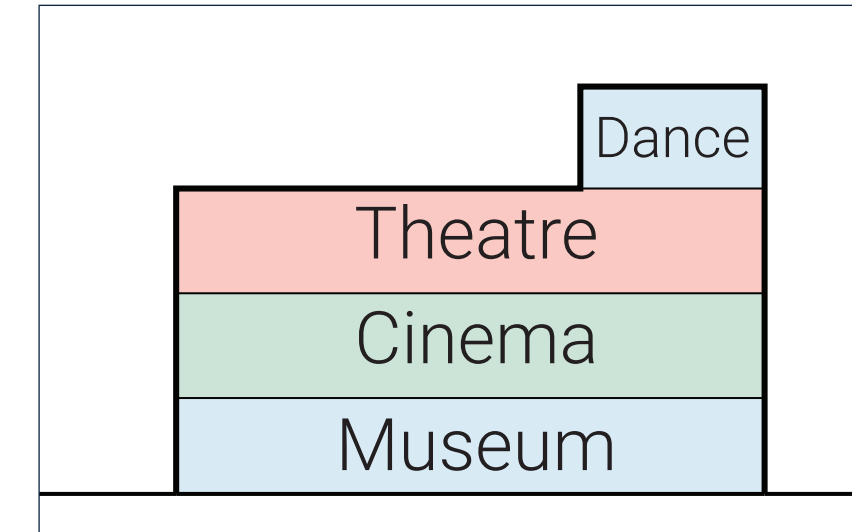


Intensification hub Moerwijk

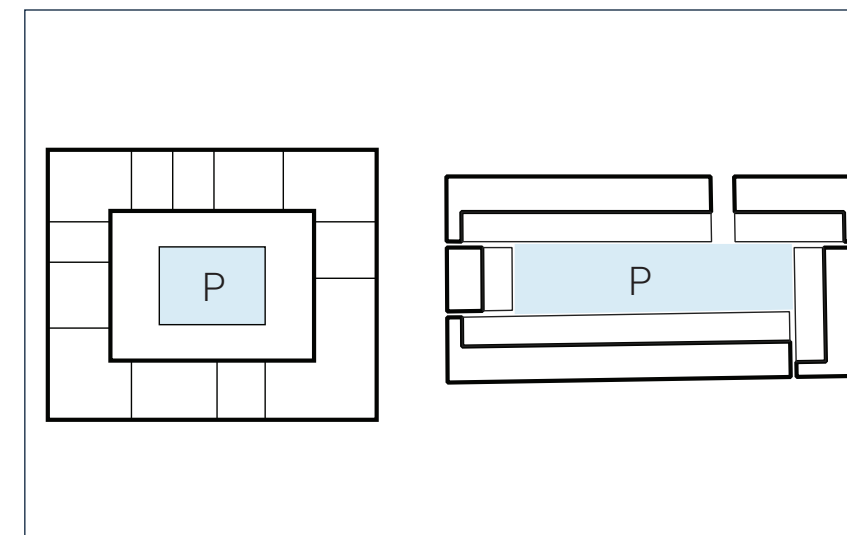
Local



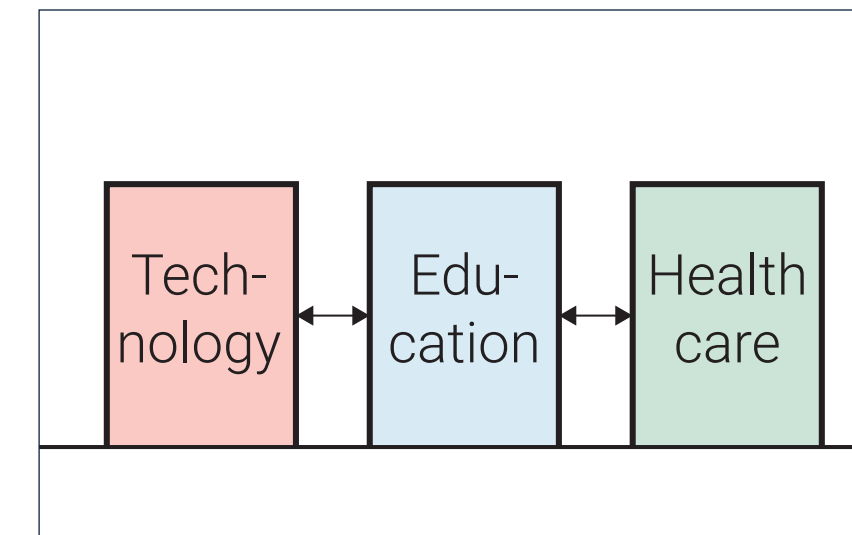
Renovation and new front- and backyard



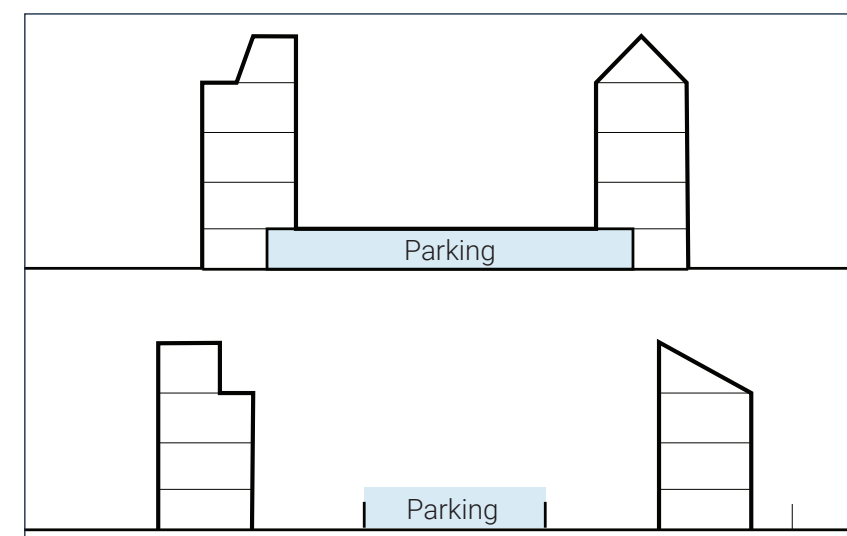
Redevelopment to cultural centres



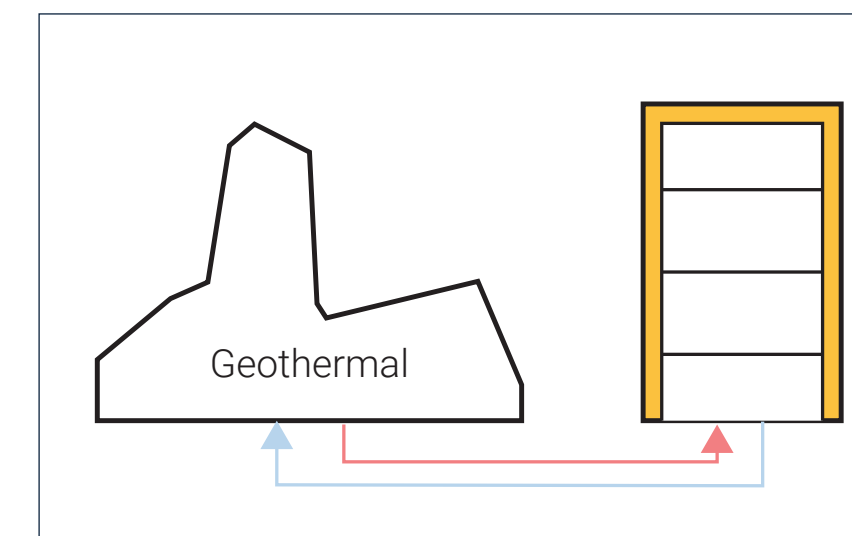
New built enclosed building blocks



Combination of technology, healthcare and education



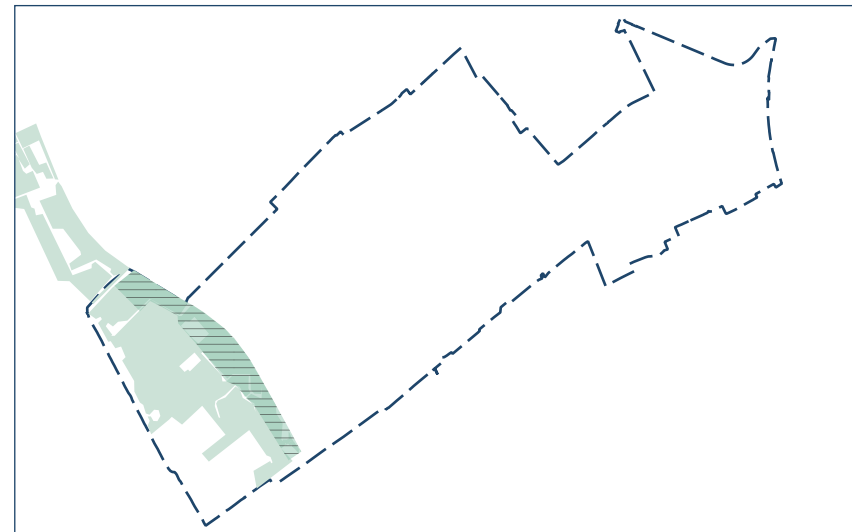
Inner-block parking



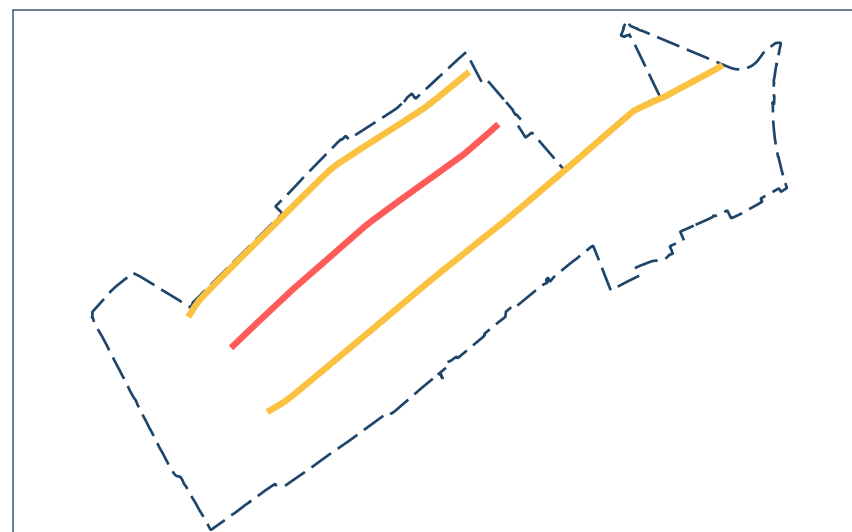
Sustainable development

Public space

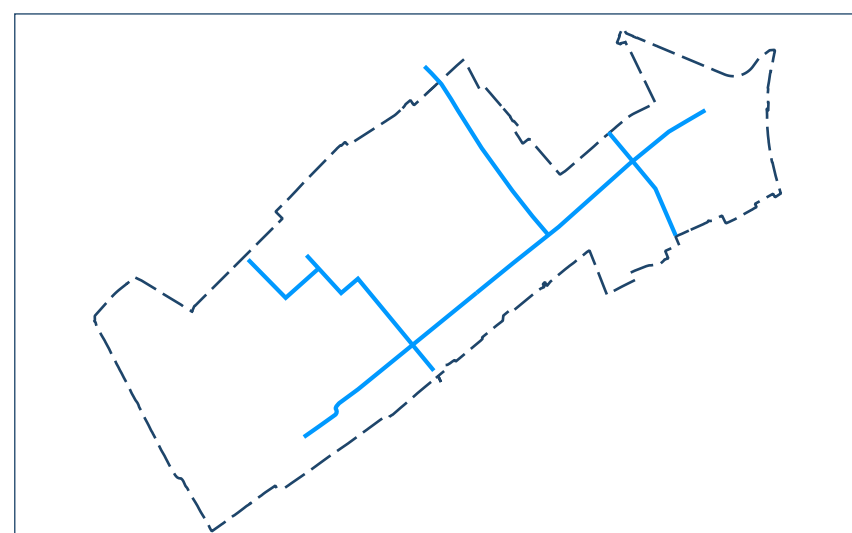
Regional



Transformation of the Uithof to a regional park

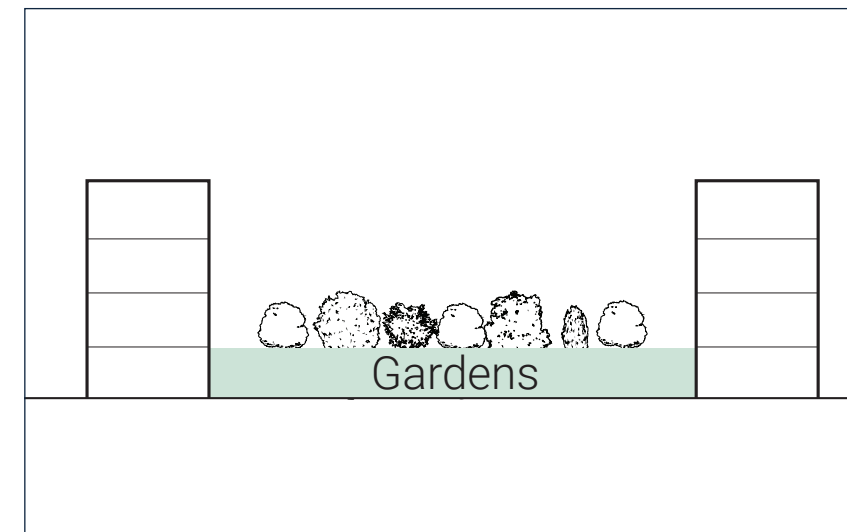


City streets as attractive public spaces

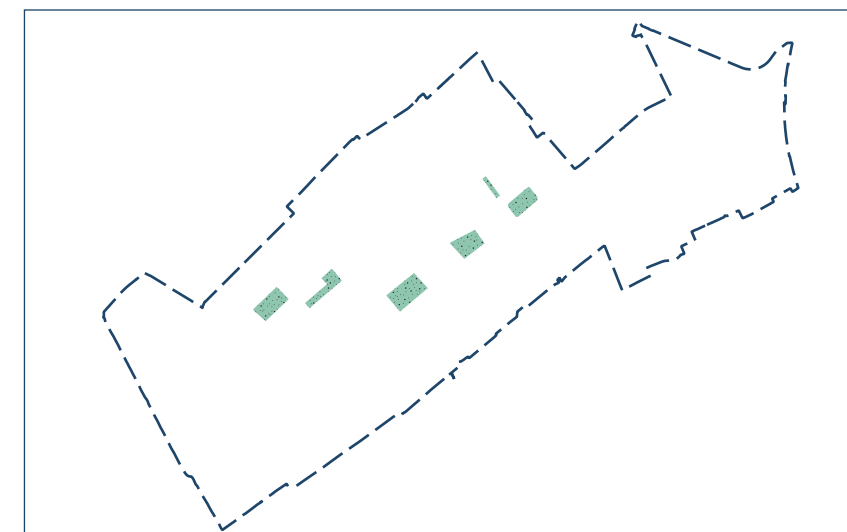


Lively water areas

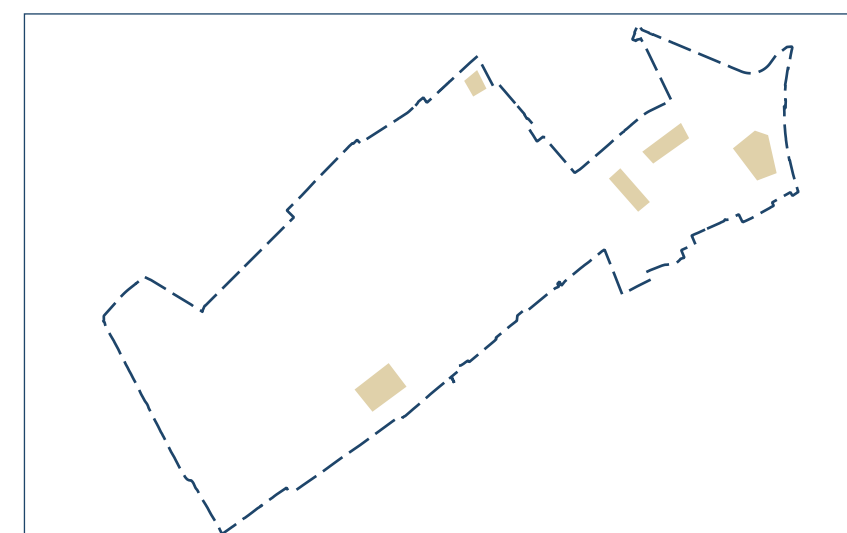
Local



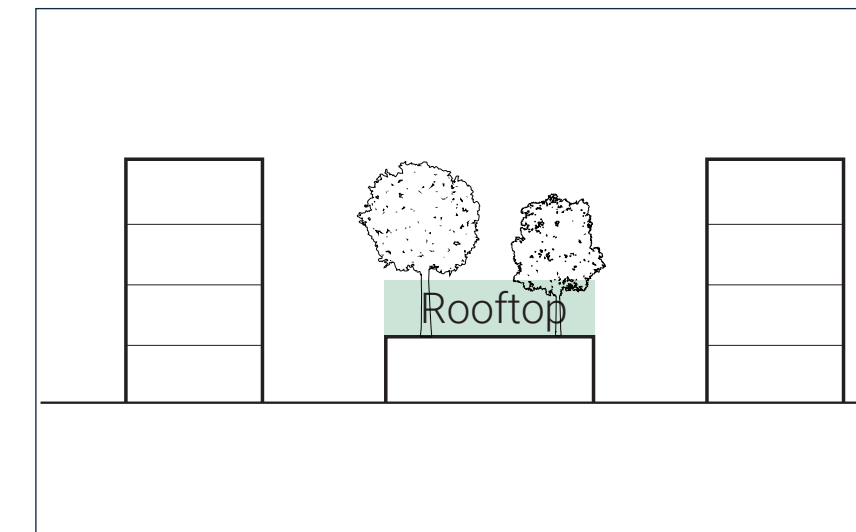
Vegetable gardens in the open space between buildings



Transformation neighbourhood parks



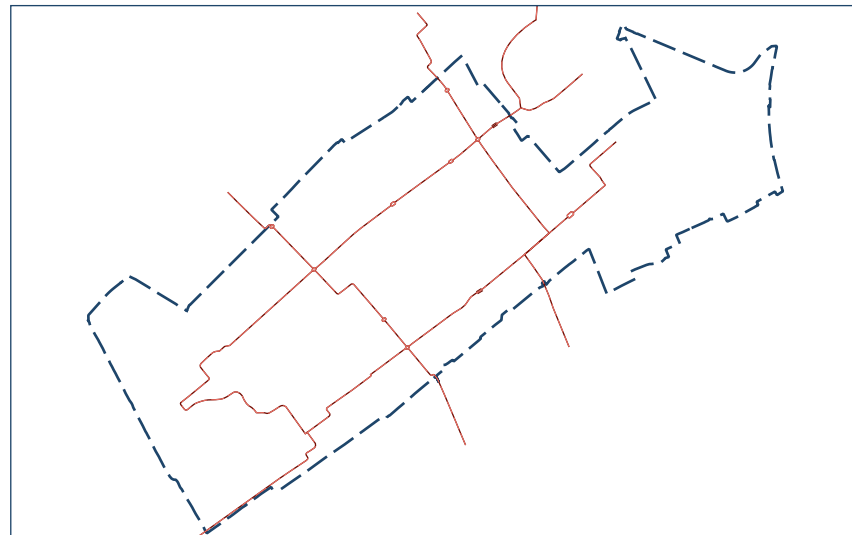
Attractive district centres



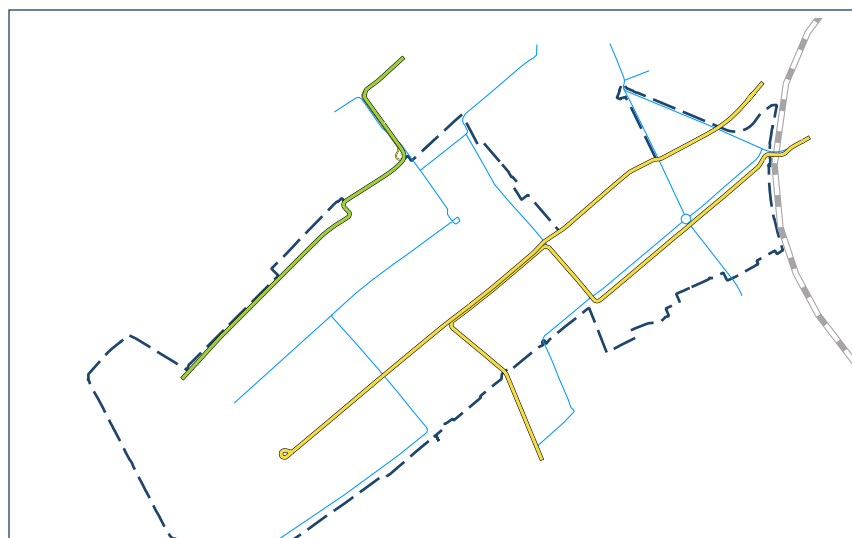
Rooftop park Leyweg

Mobility

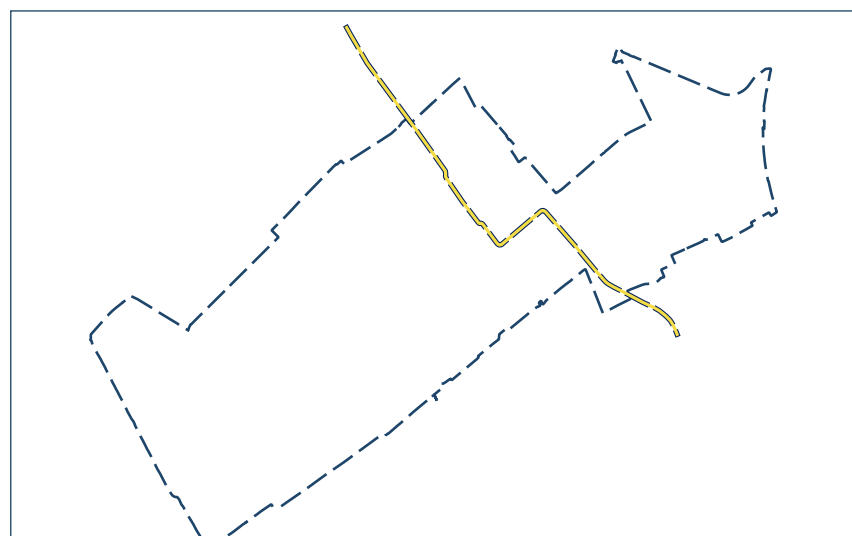
Regional



Improved cycling network

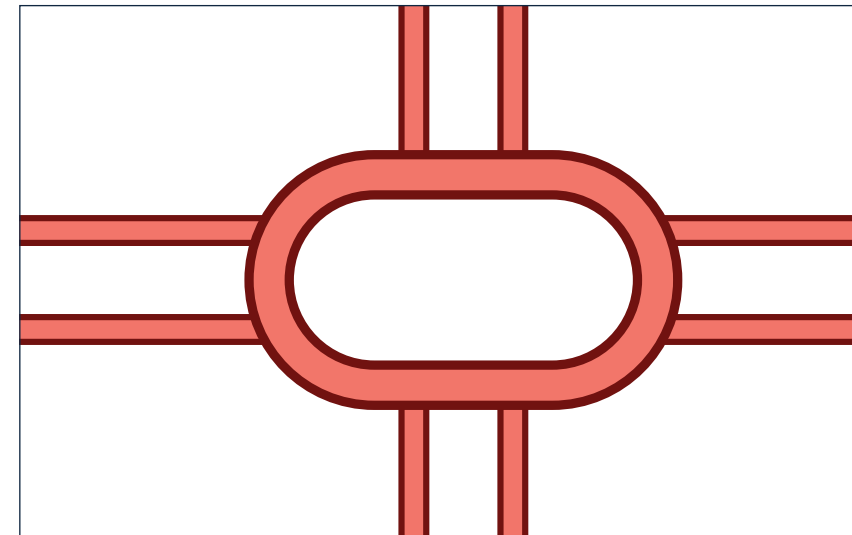


Improved transit network

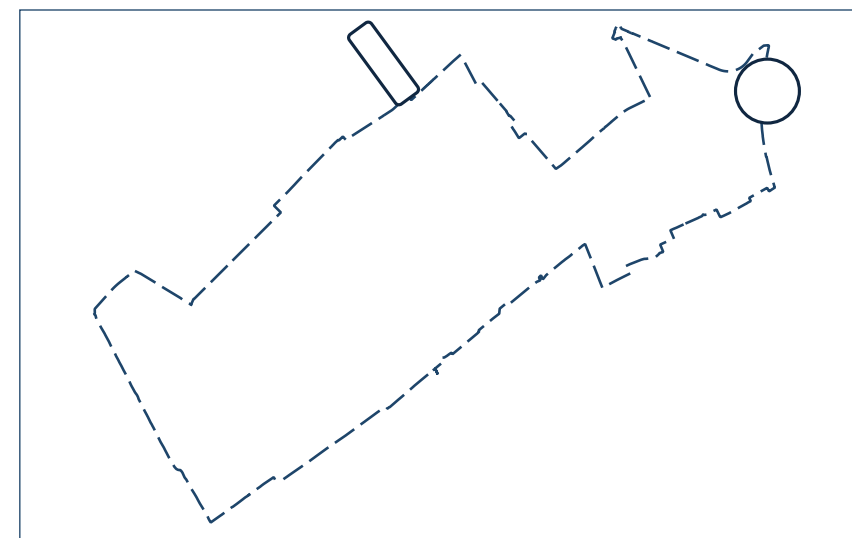


New tram line

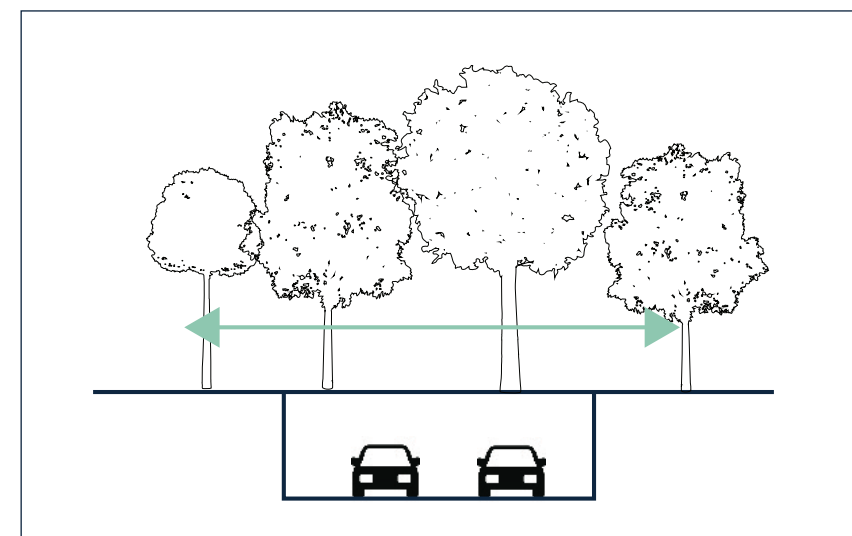
Local



Crossings for cyclist

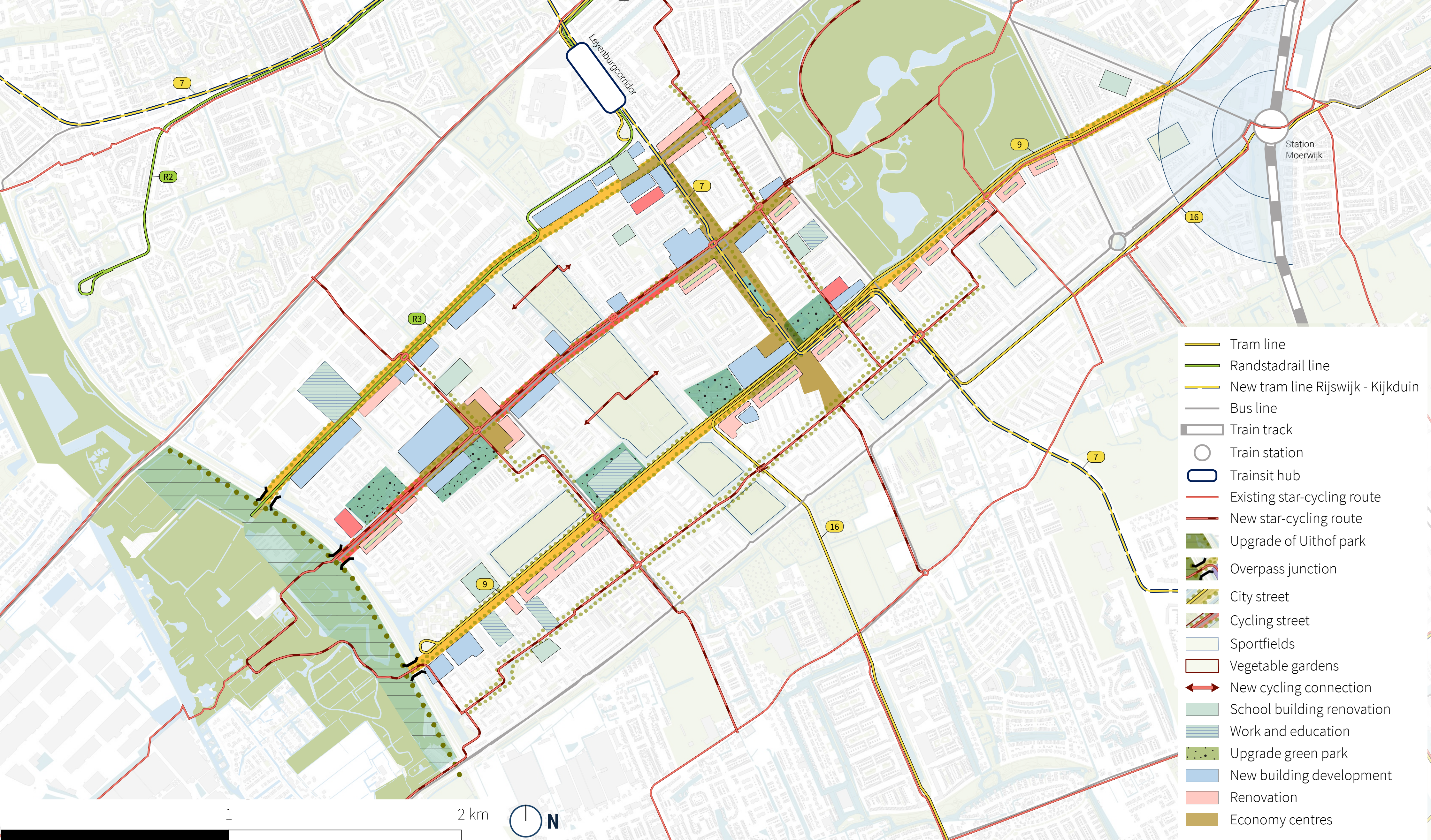


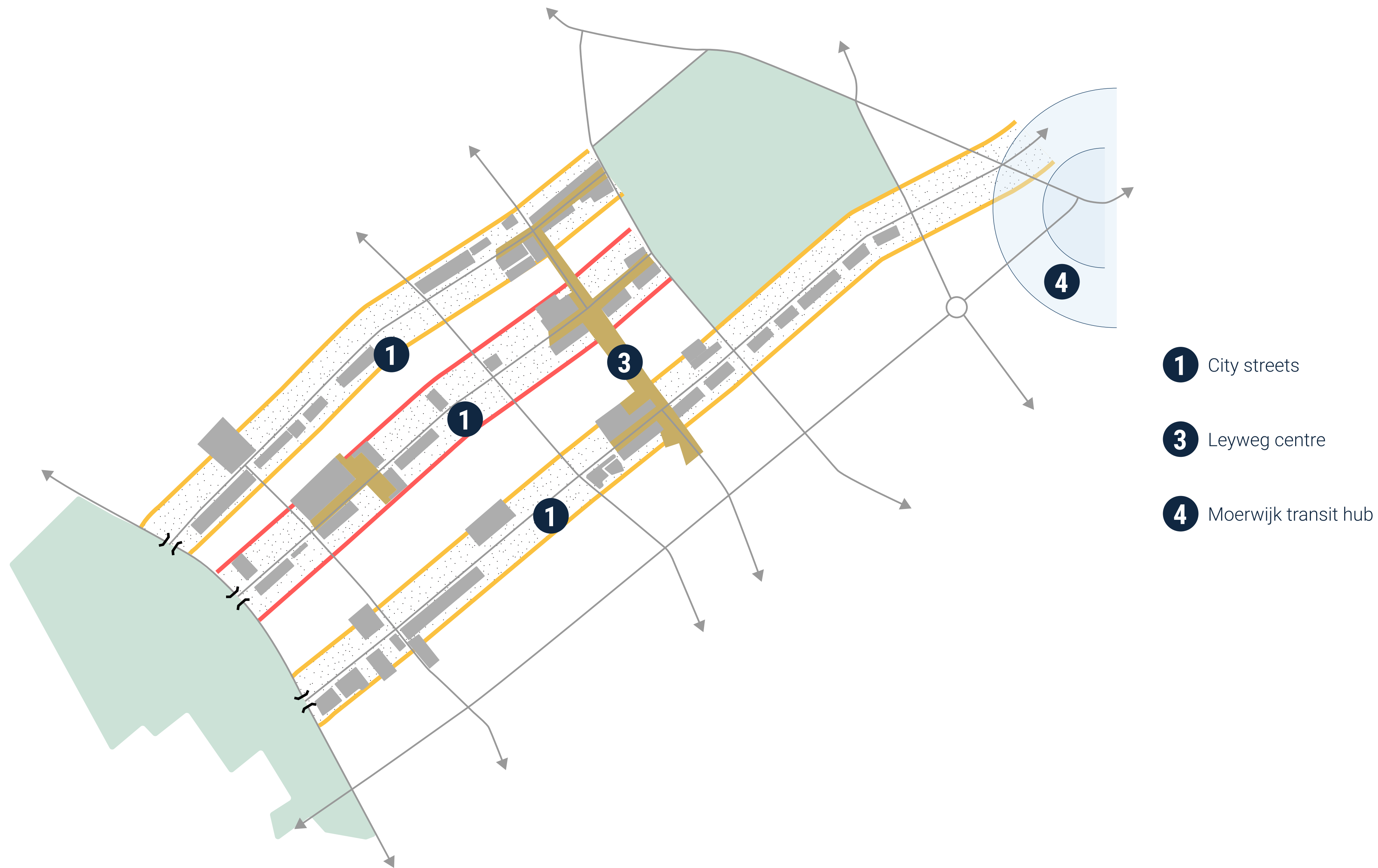
Focus on transit hubs



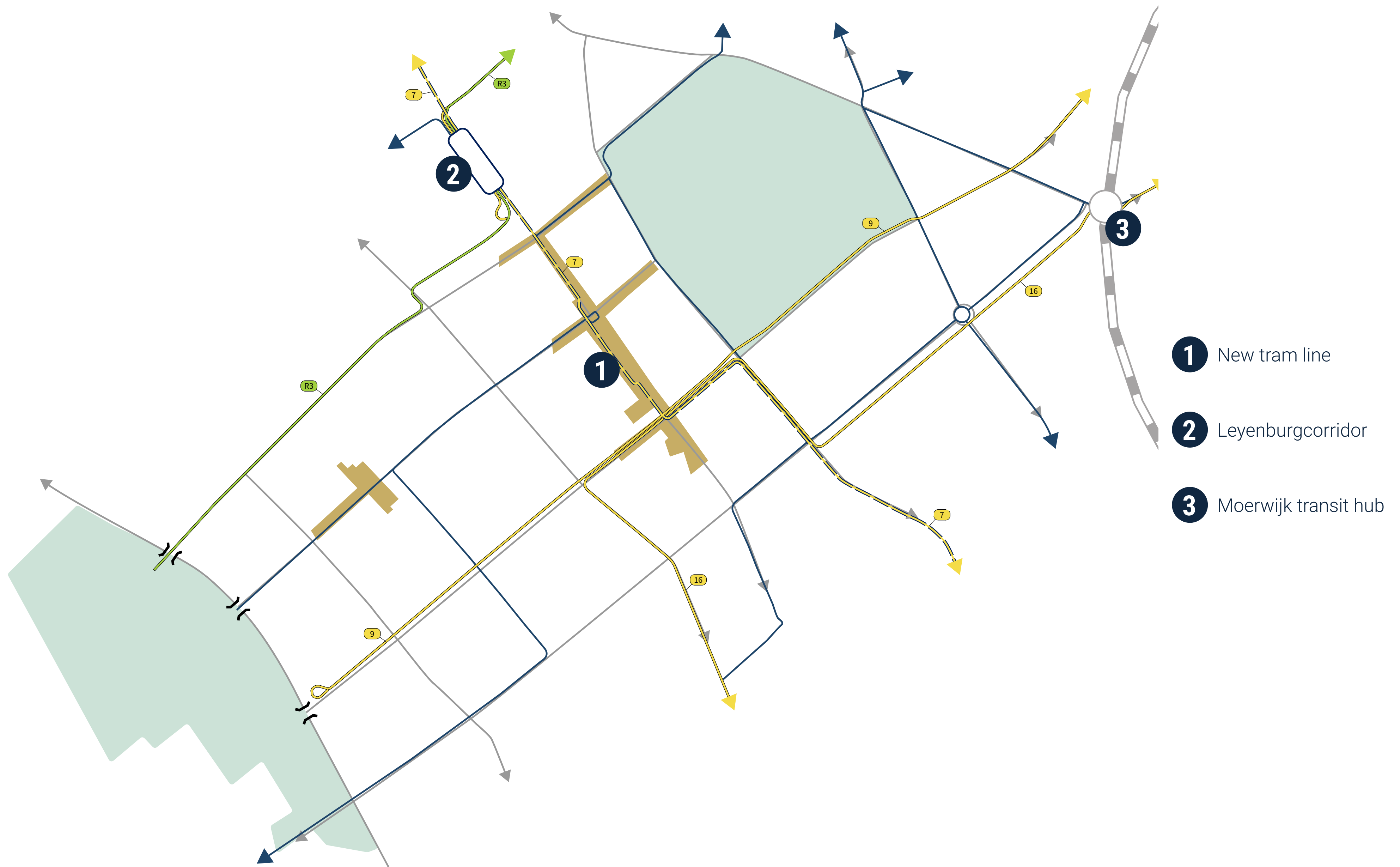
Overpass junctions Lozerlaan

The Plan





- 1** City streets
- 3** Leyweg centre
- 4** Moerwijk transit hub





Conclusion

