

man ← water

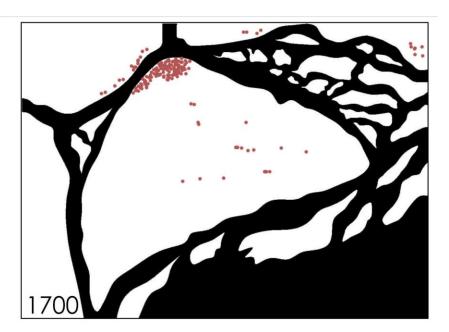


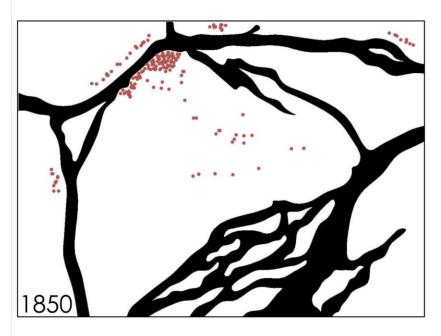


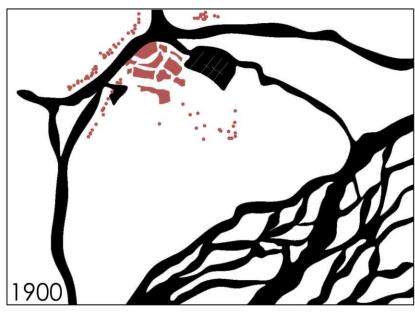


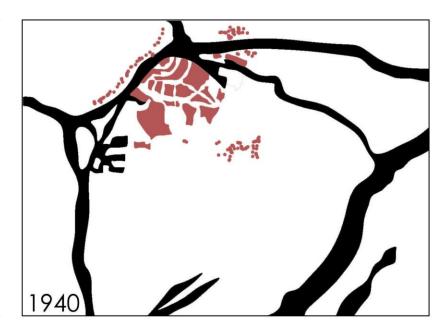


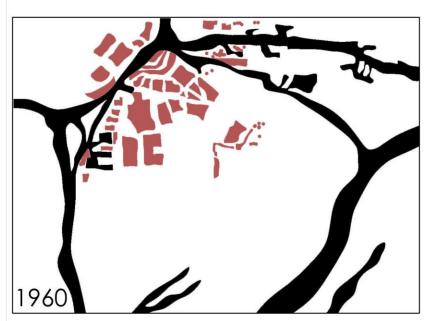


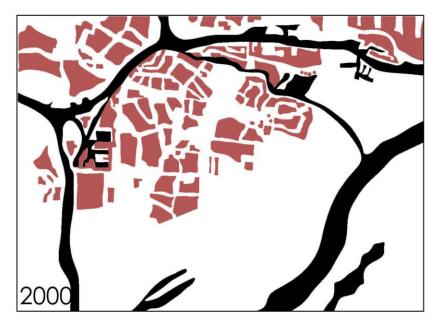


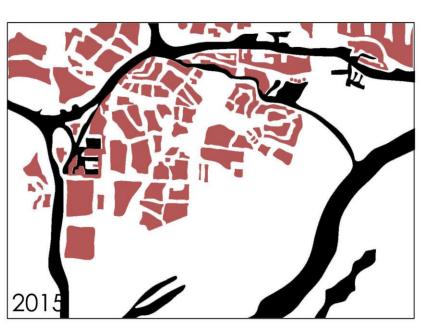




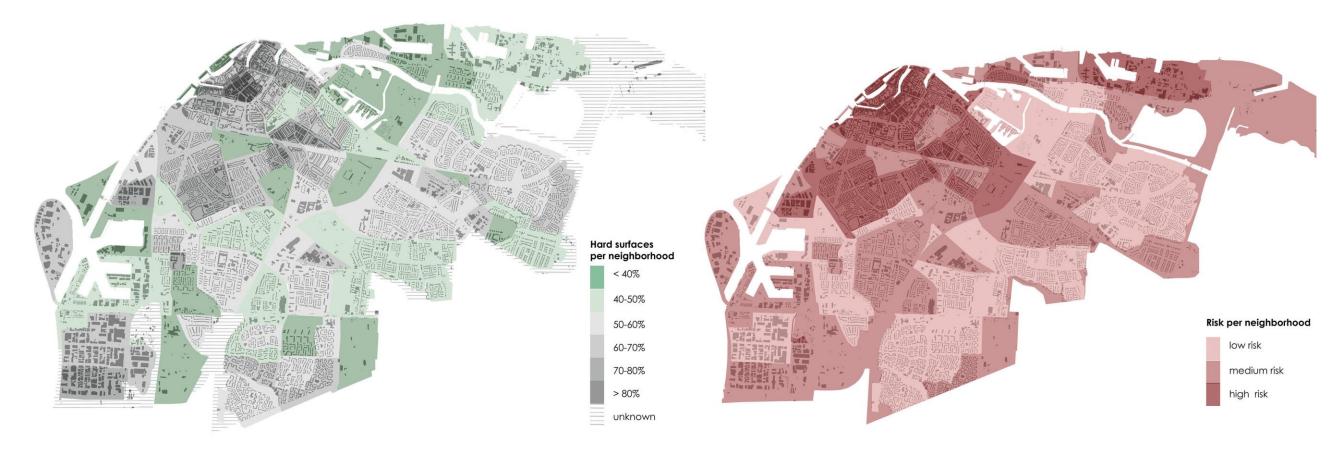


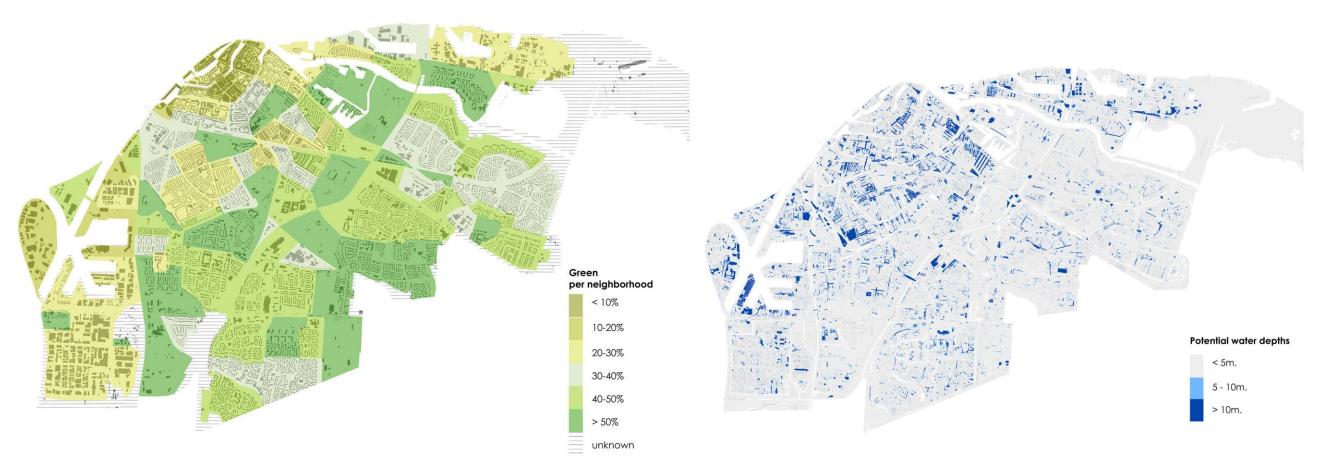












Dordrecht is faced with a major flooding hazard, in which climate change adds up to its inherent vulnerable nature.

In an era of rapid climate change, how can Dordrecht transform into an amphibious, multifunctional spatial entity?

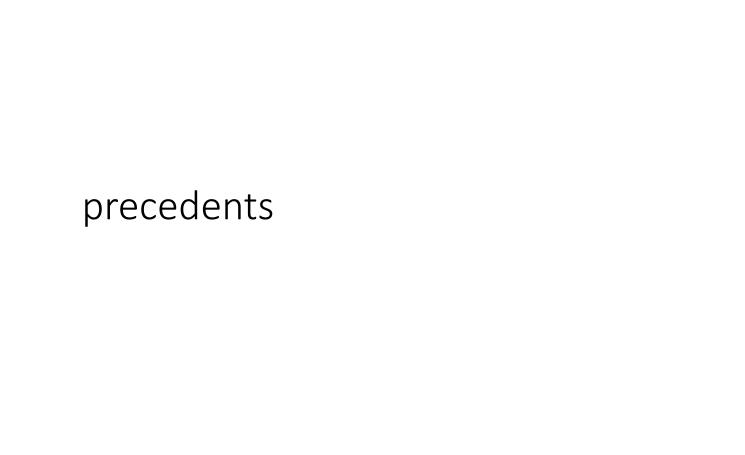
Green-blue network that:

- accommodates excessive rainfall
- acts as a series of public spaces
- enhances biodiversity
- fosters social dynamics
- offers contrasting spatial experiences
- strengthens the identity of Dordrecht

Water as a visible and tactile feature

water as a threat ———— water as a chance

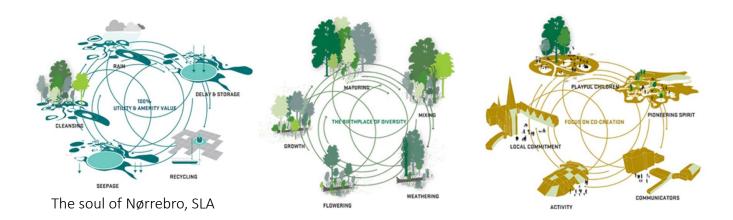








Copenhagen cloudburst plan, Tredje Natur

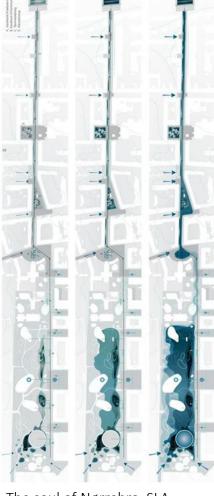


Benthemplein watersquare, De Urbanisten



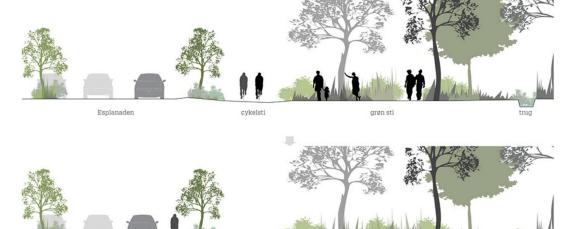
Potsdamer Platz, Studio Dreiseitl





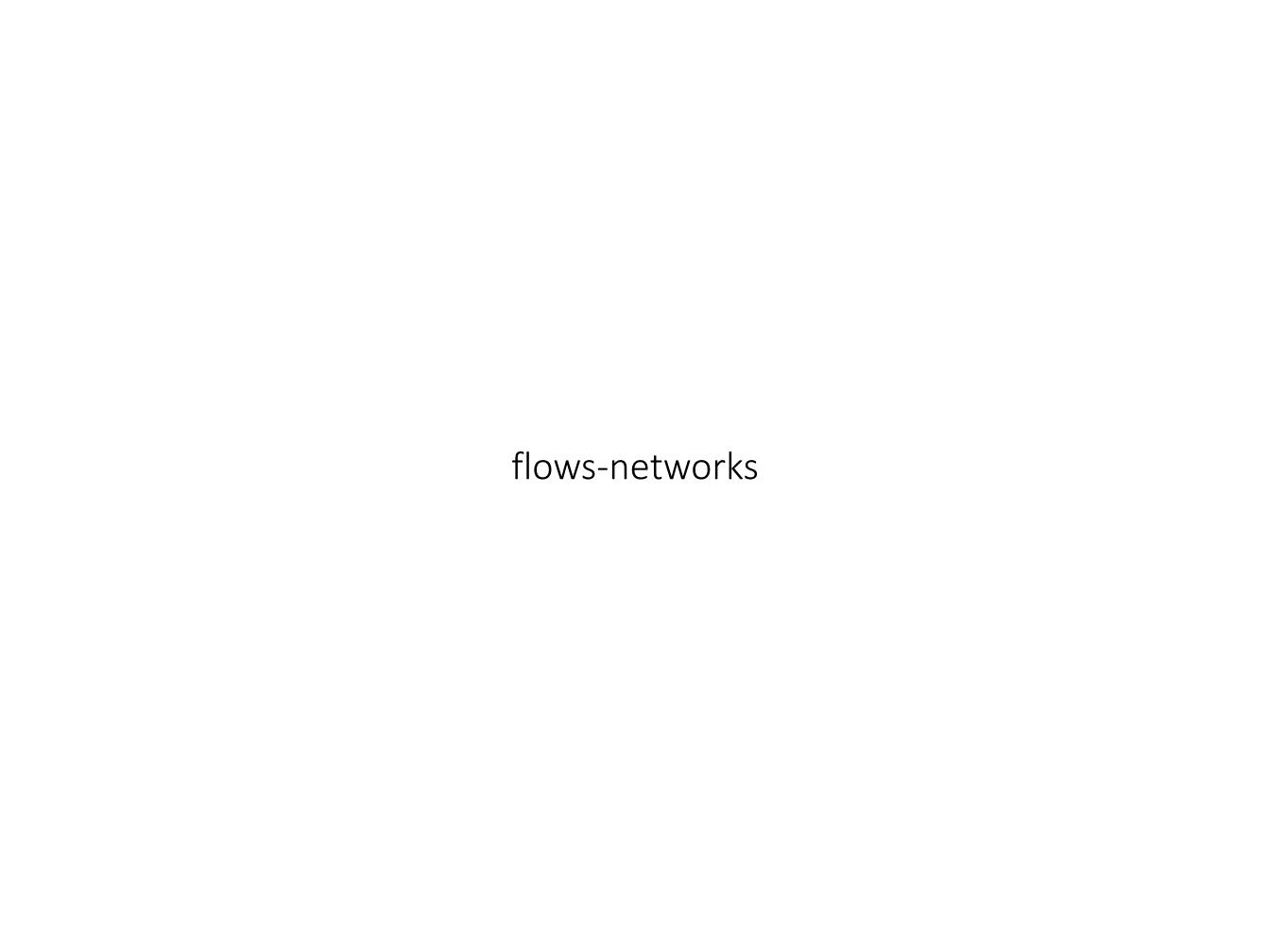
The soul of Nørrebro, SLA

Copenhagen cloudburst plan, Tredje Natur



Principles:

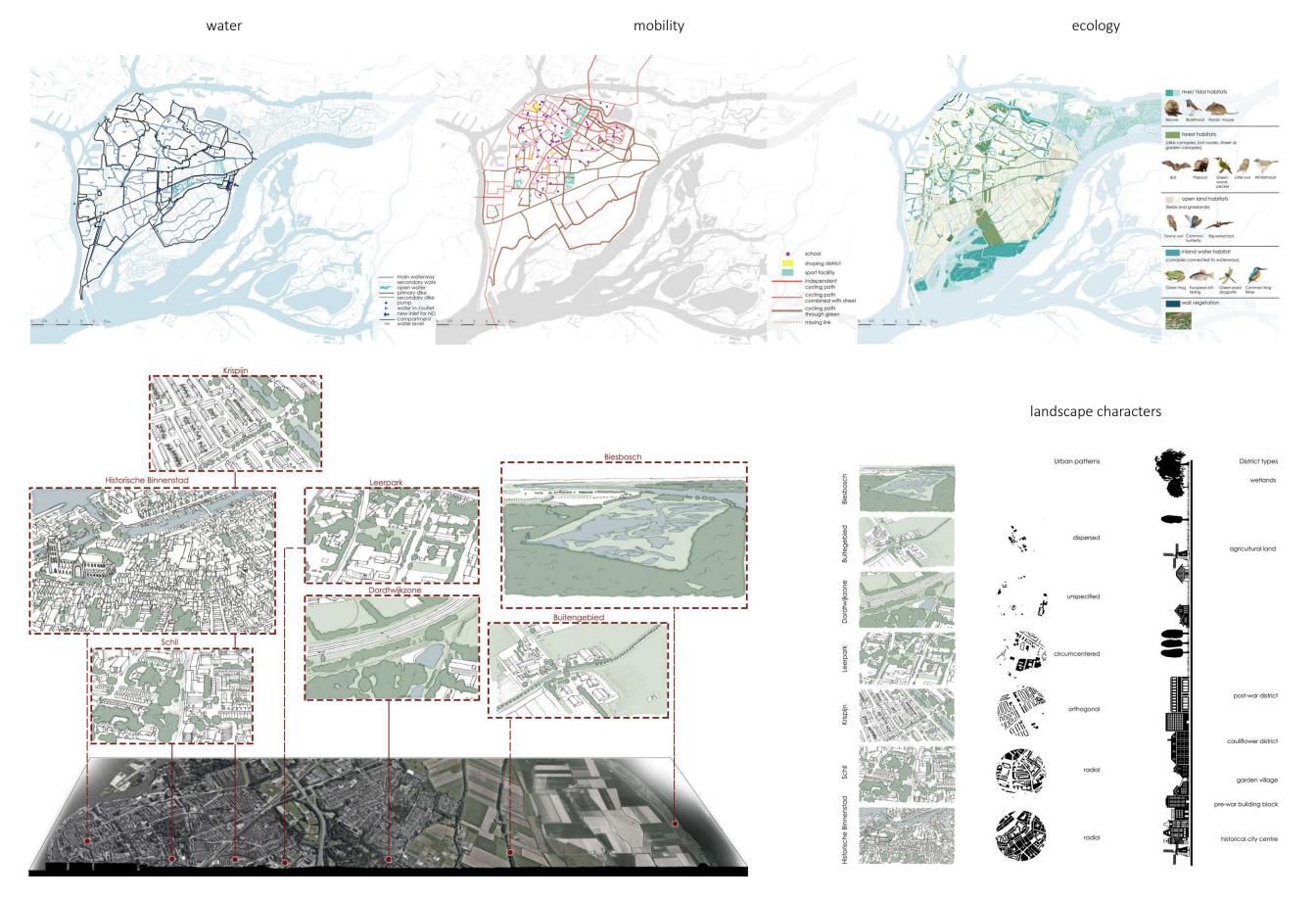
- rainwater collection, storage and re-use
- increase of permeability
- creation of wet and dry zones
- visible flooding techniques
- link flood protection-ecology-social life
- different typologies for different street profiles/ public spaces (toolbox)
- infrastructure as waterways/ public spaces as basins
- changing, adaptive, dynamic city

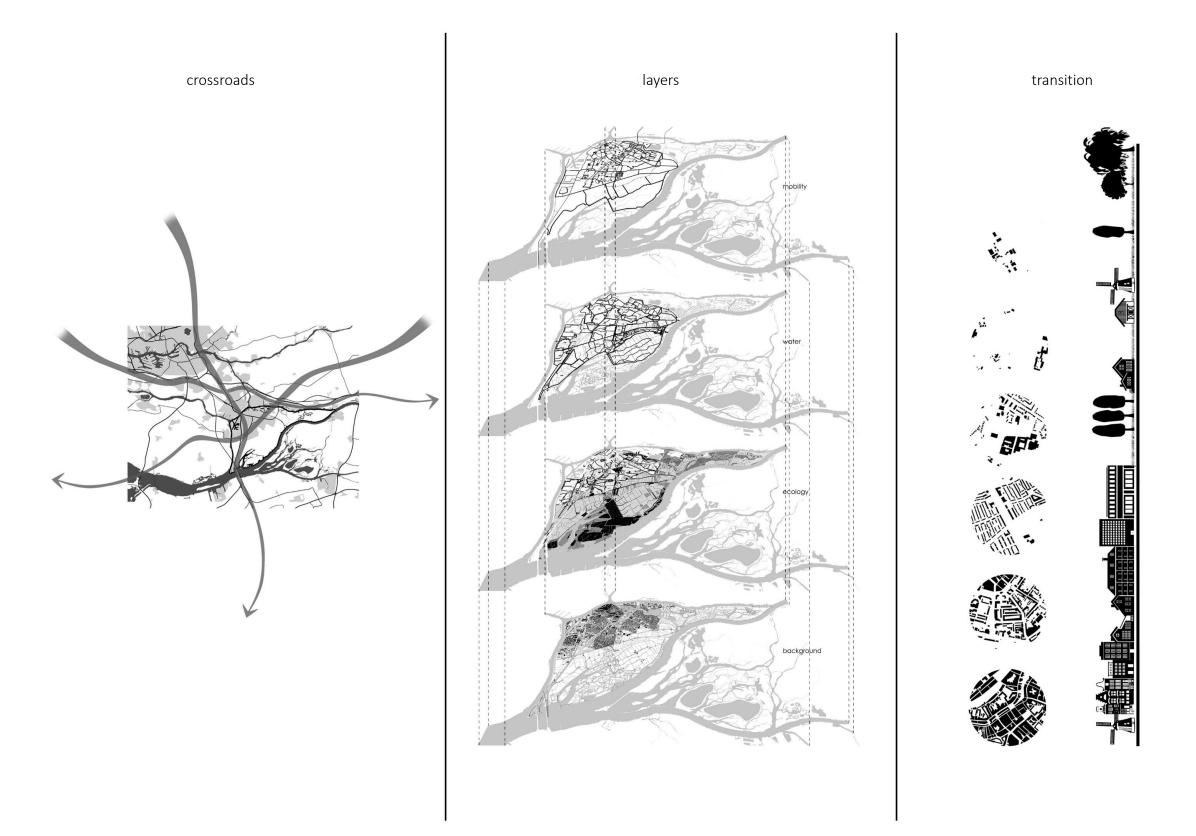


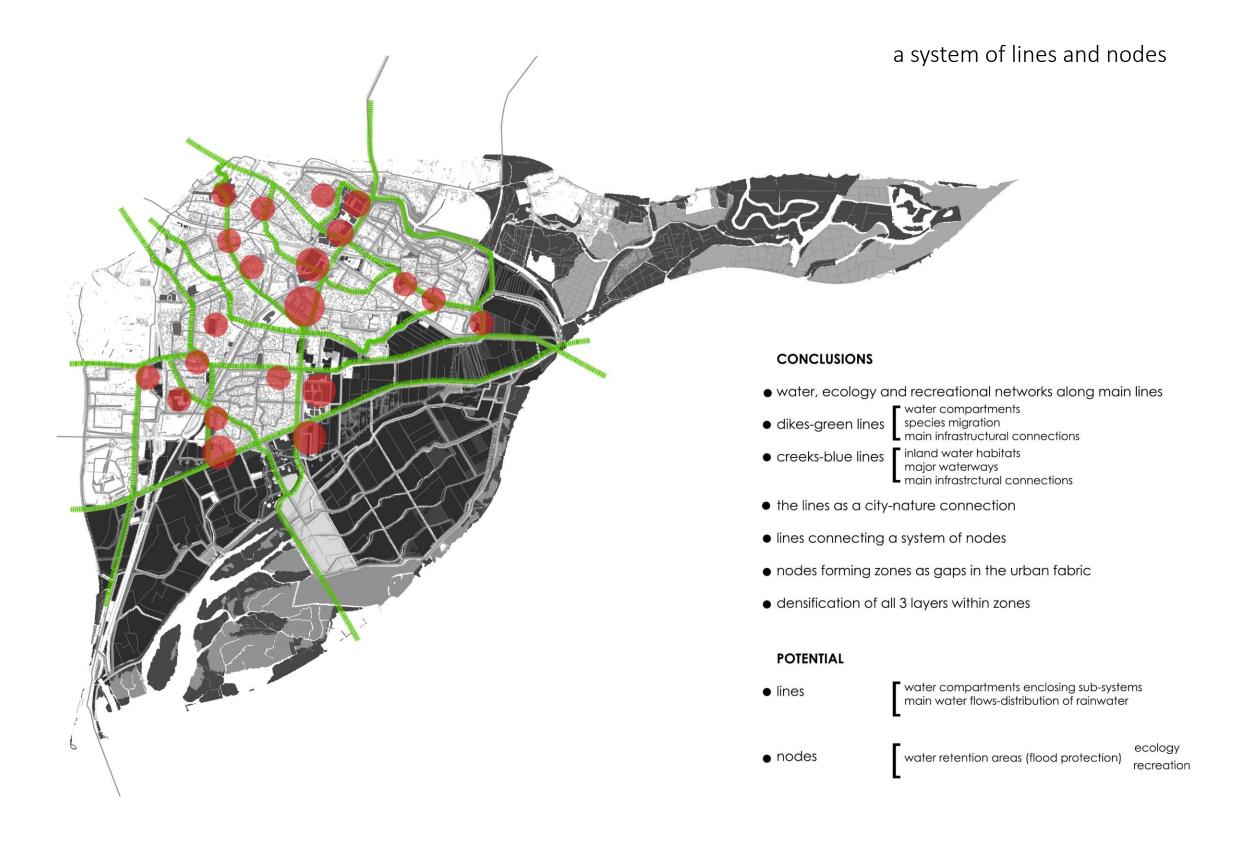
MACRO



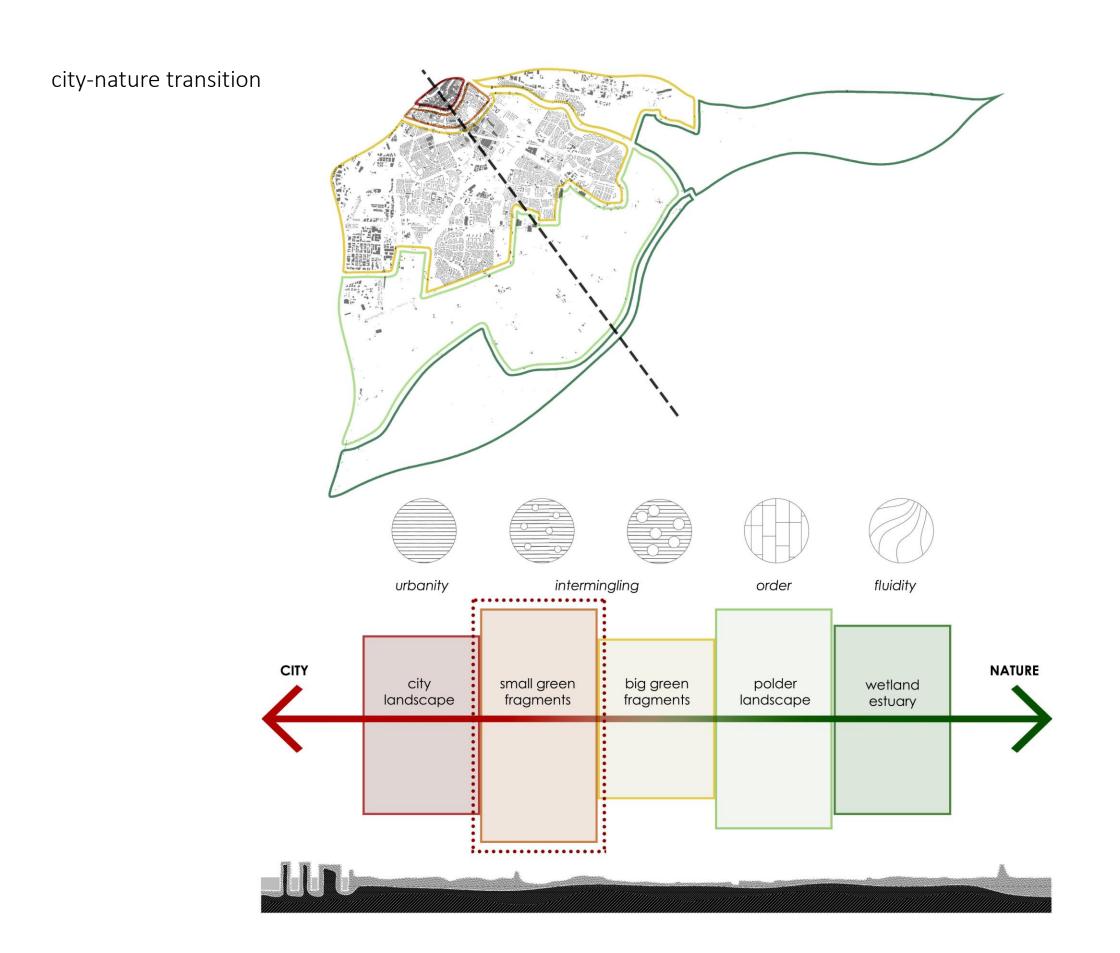
MESO







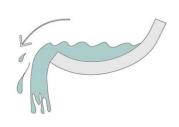


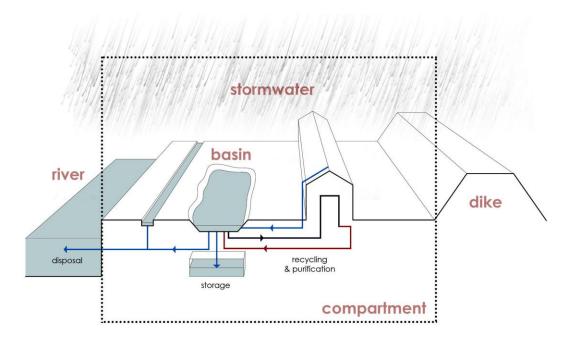


the city as a sponge





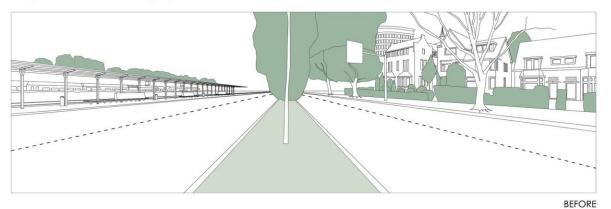




1. RETENTION 2. STORAGE 3. DISPOSAL

multifunctionality

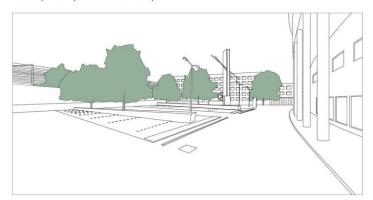
Burgemeester de Raadtsingel (retention boulevard)



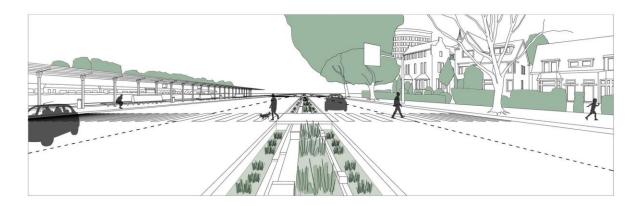
Energieplein (watersquare)



Maasplaza (water reservoir)

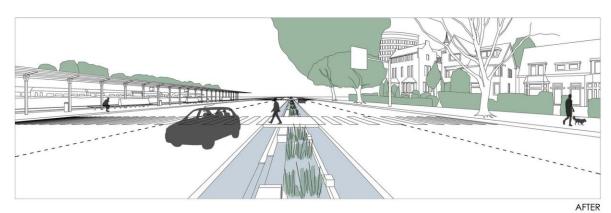


BEFORE







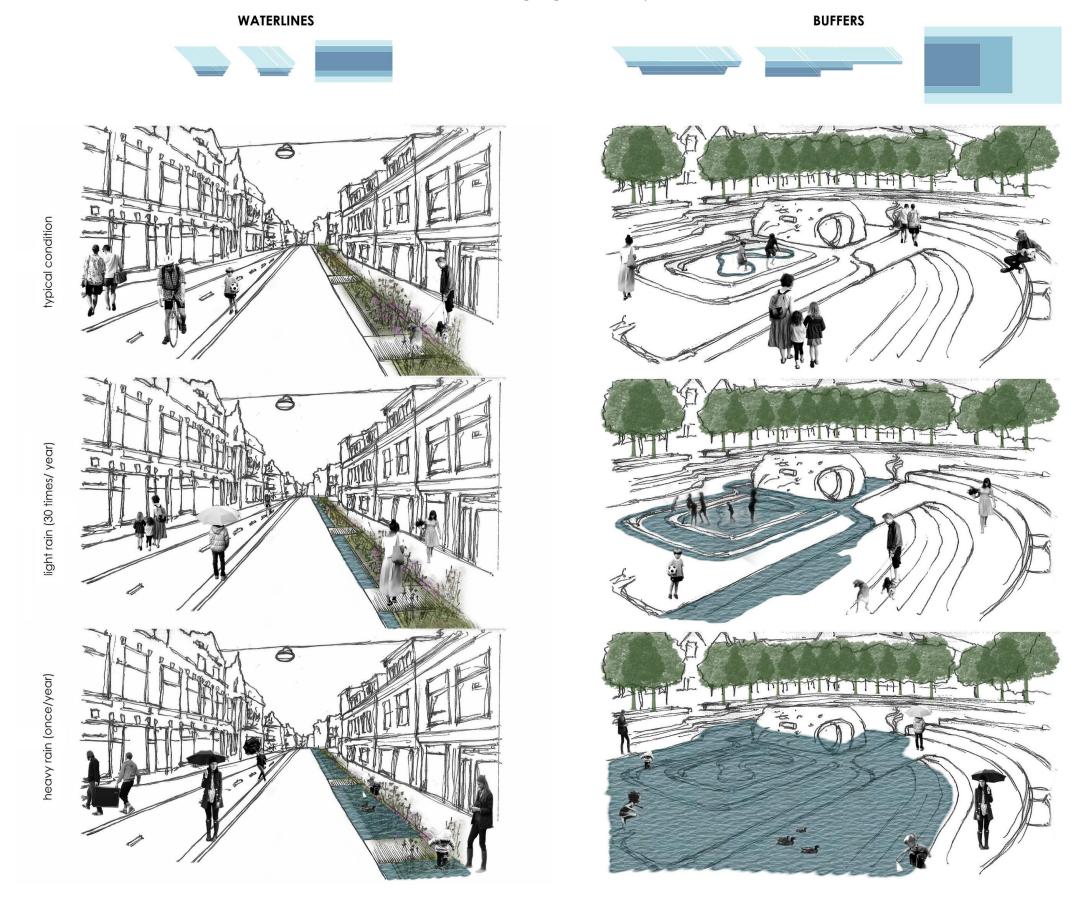




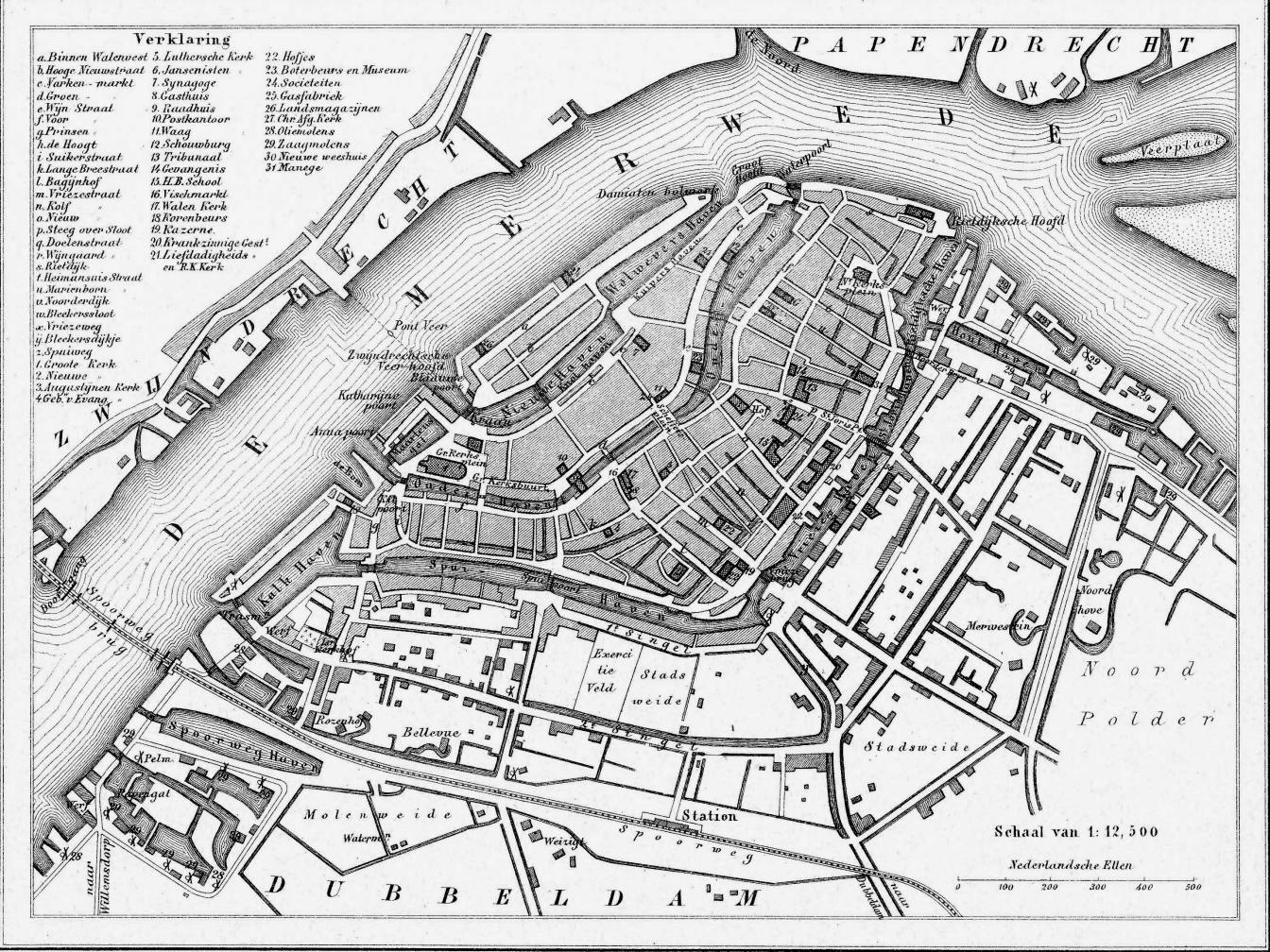


AFTE

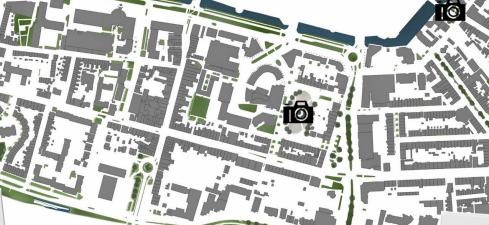
everchanging landscapes



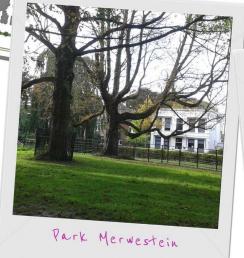
the 19th cent. schil





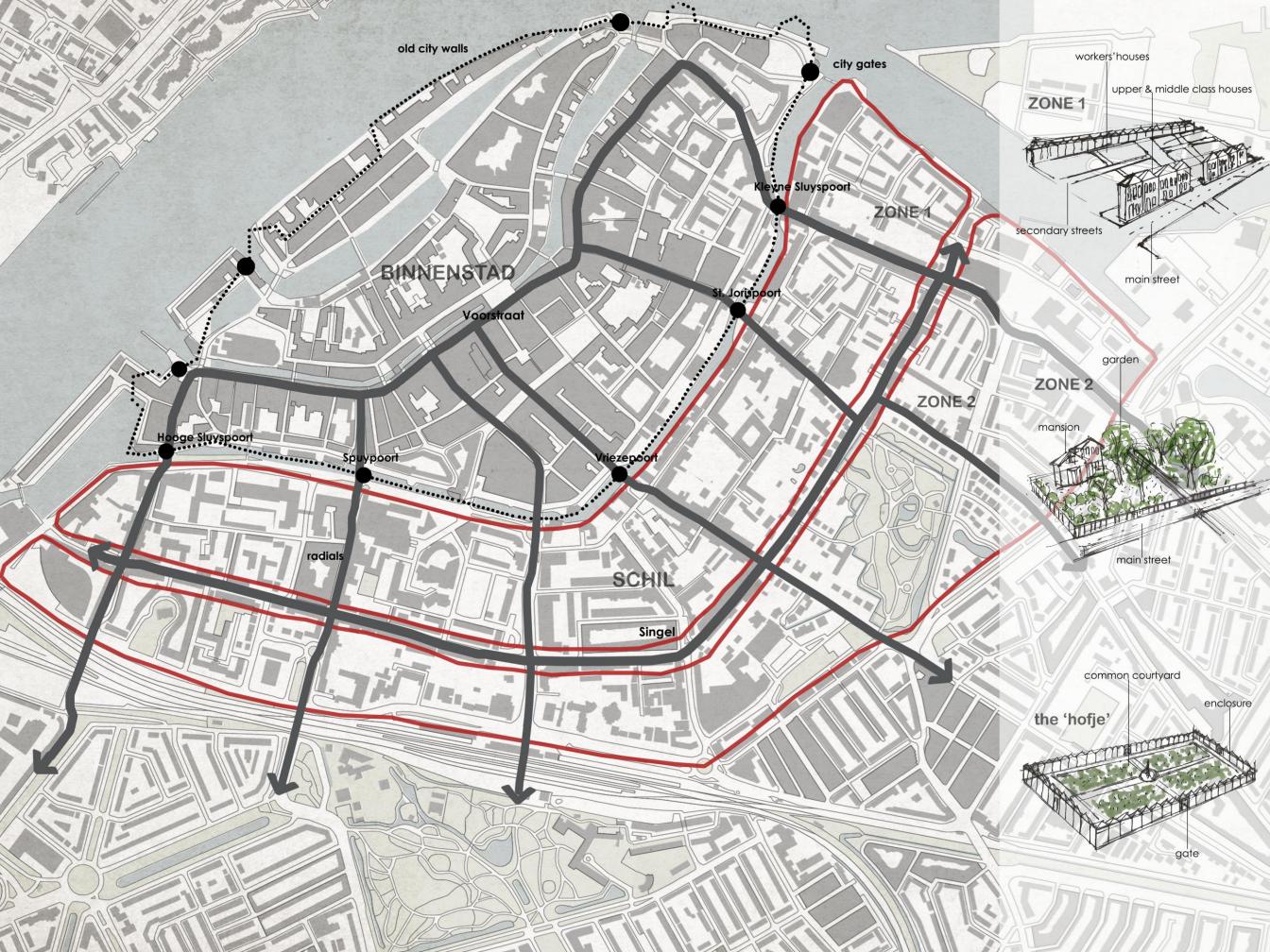


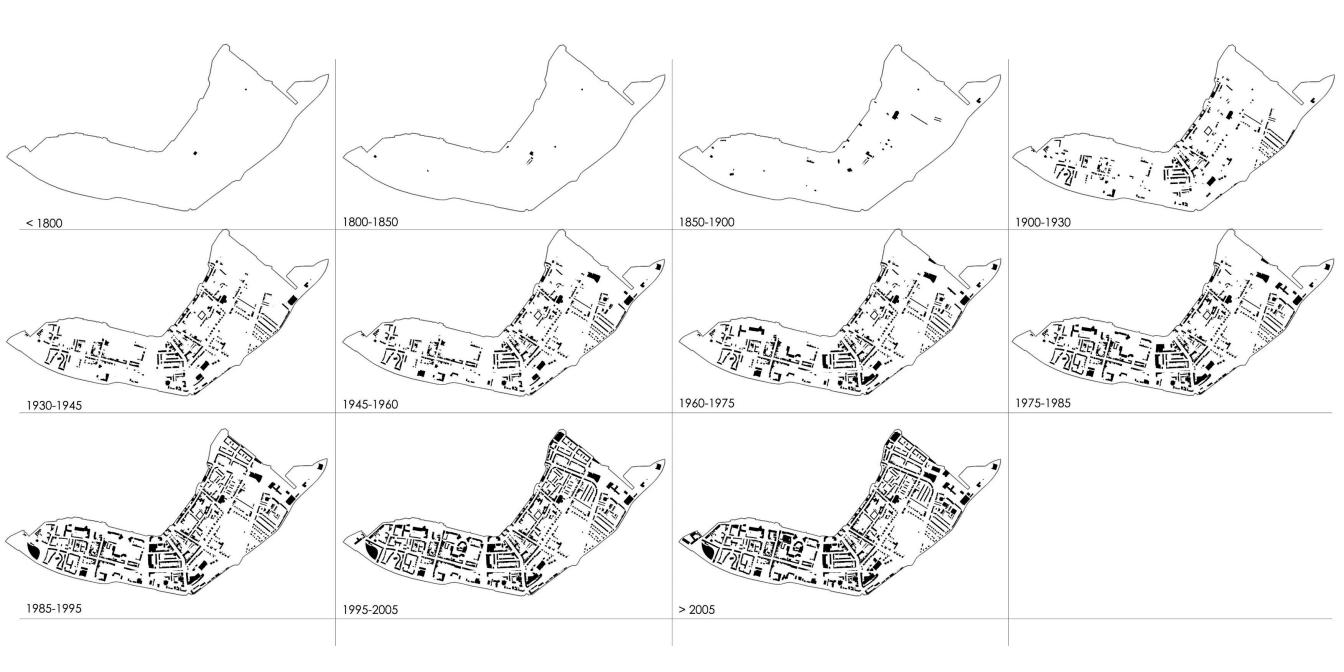


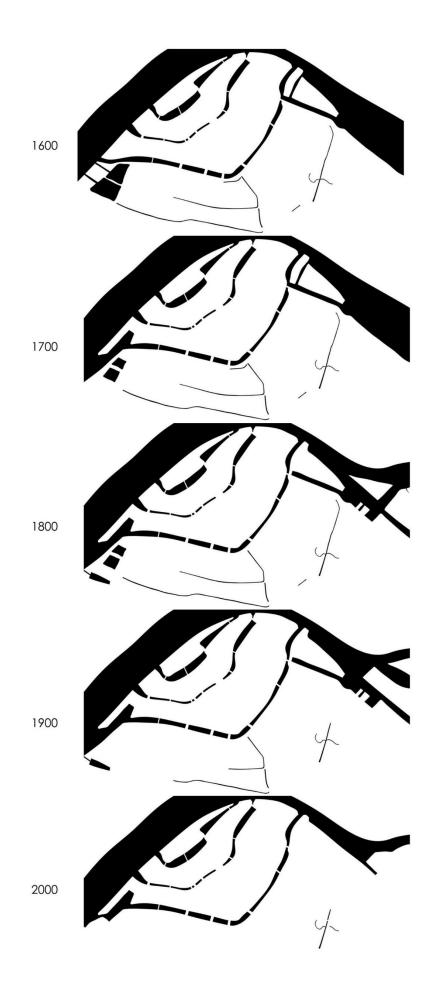


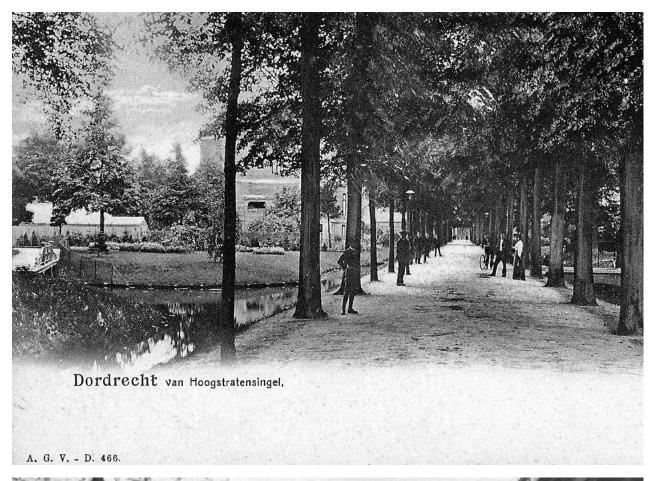


Noordendijk











K. Parallelweg-Burgemeester de Raadtsingel

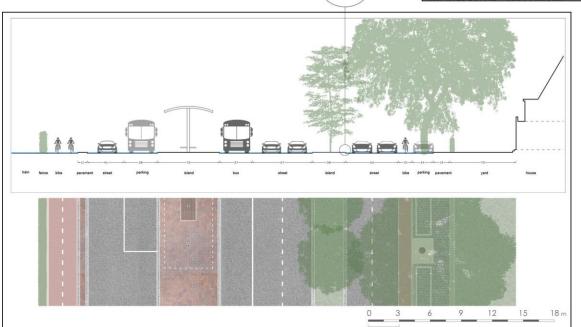




vulnerability: hard: 77 %, soft: 23%

high-traffic avenue typology:















Parking Maasplaza

vulnerability: hard: 92 %, soft: 8 %





typology: parking area











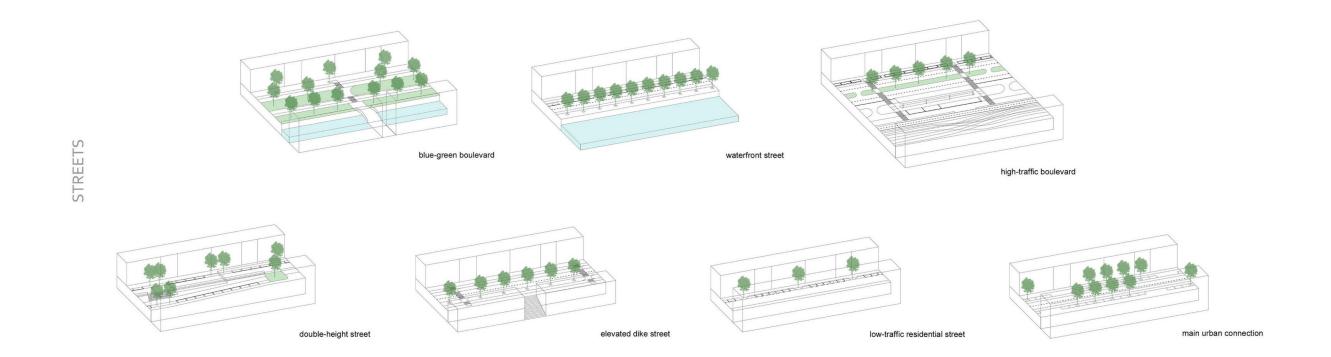


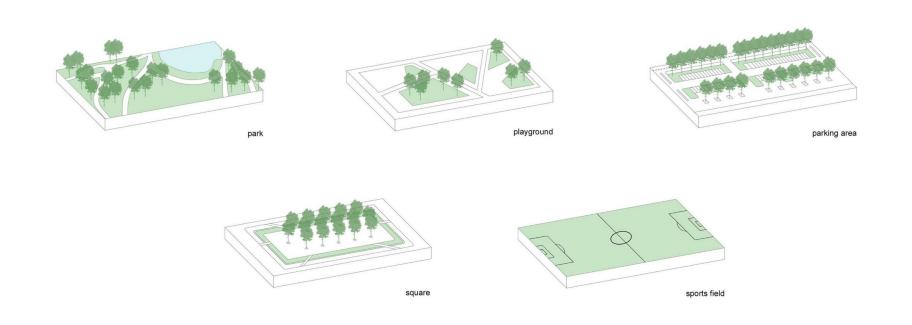


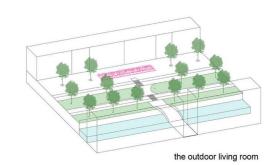


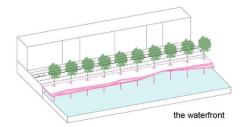


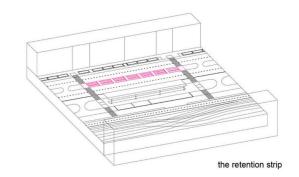


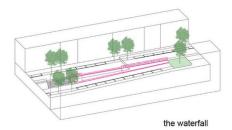




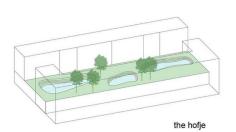




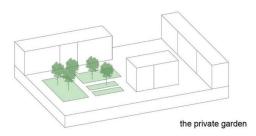


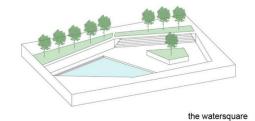




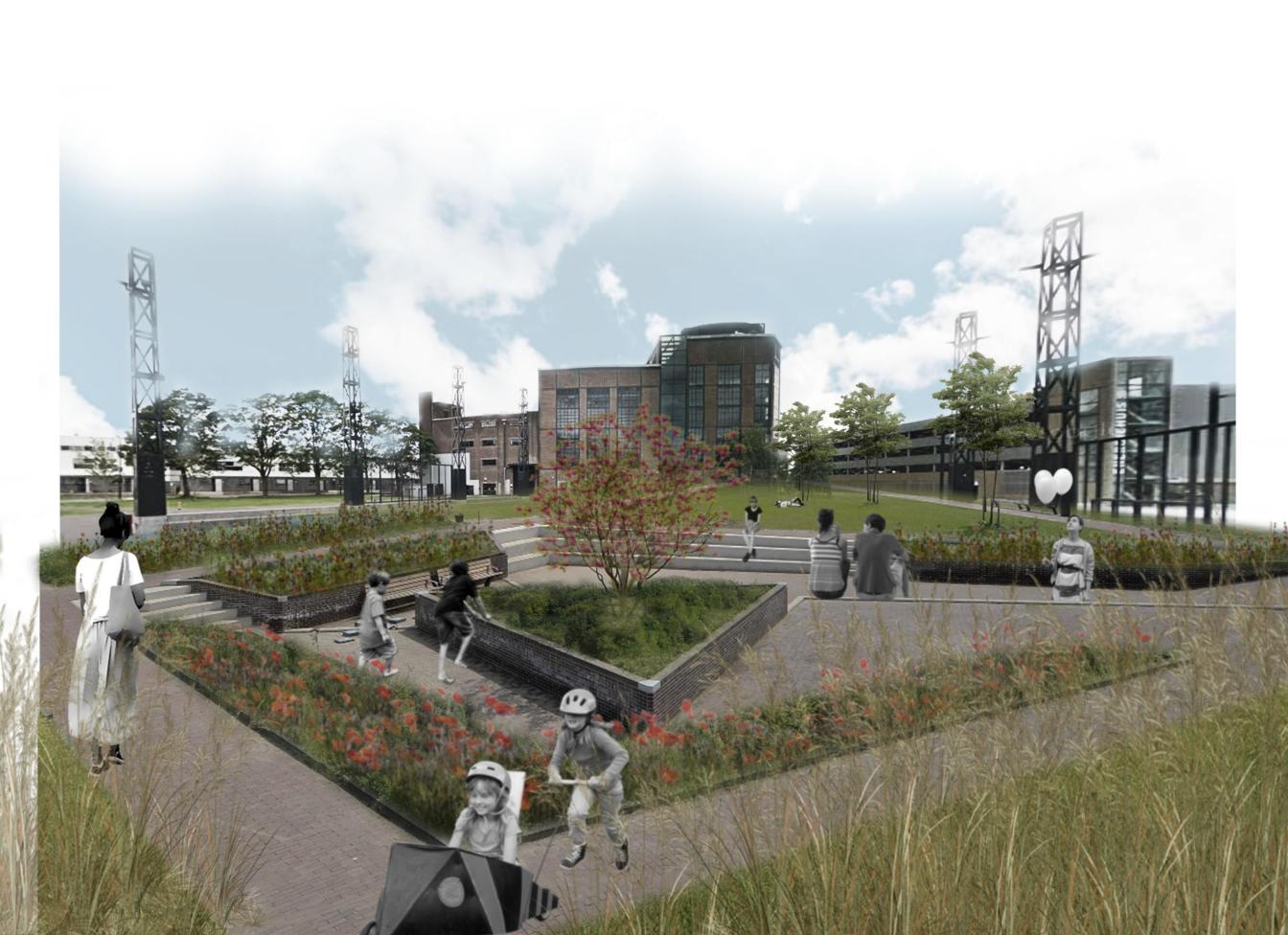






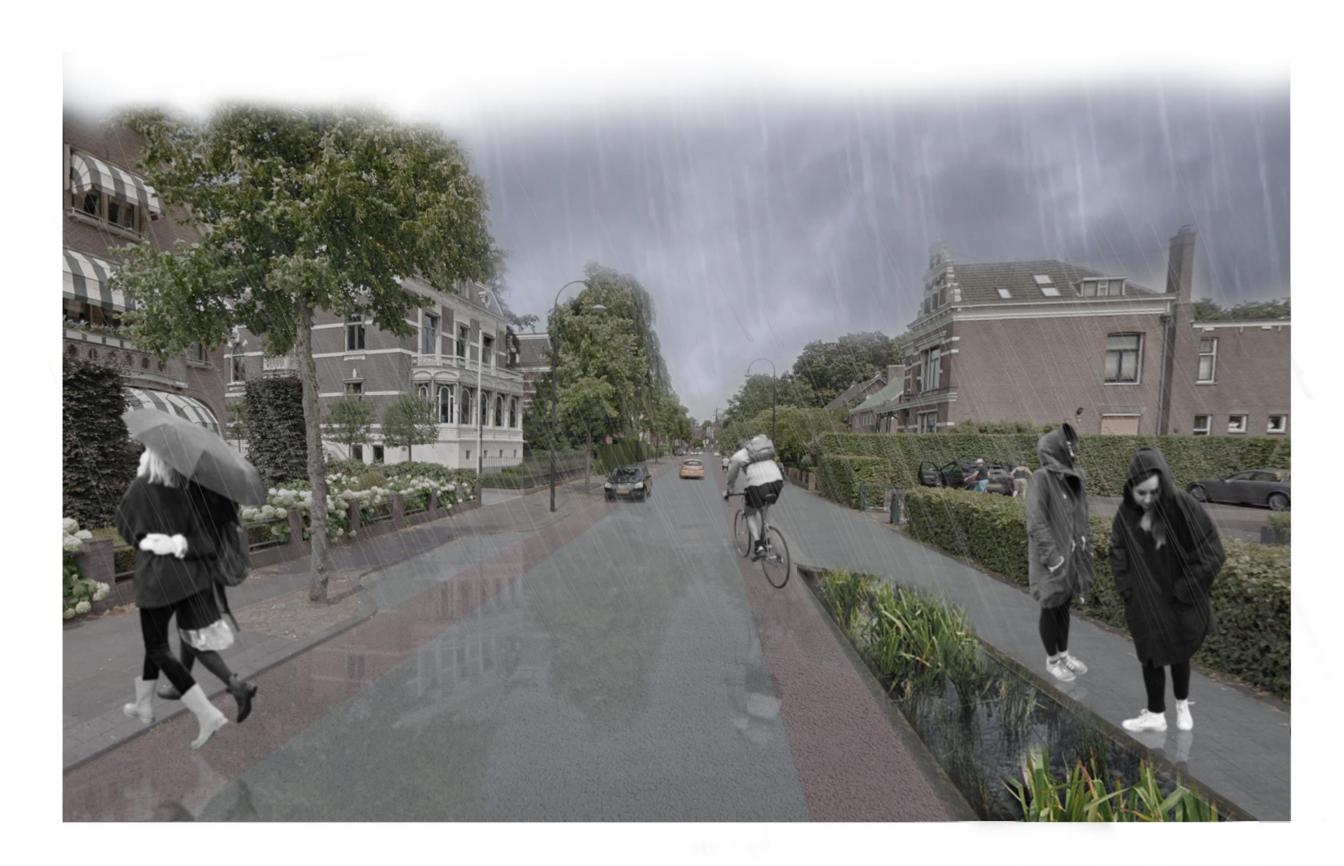








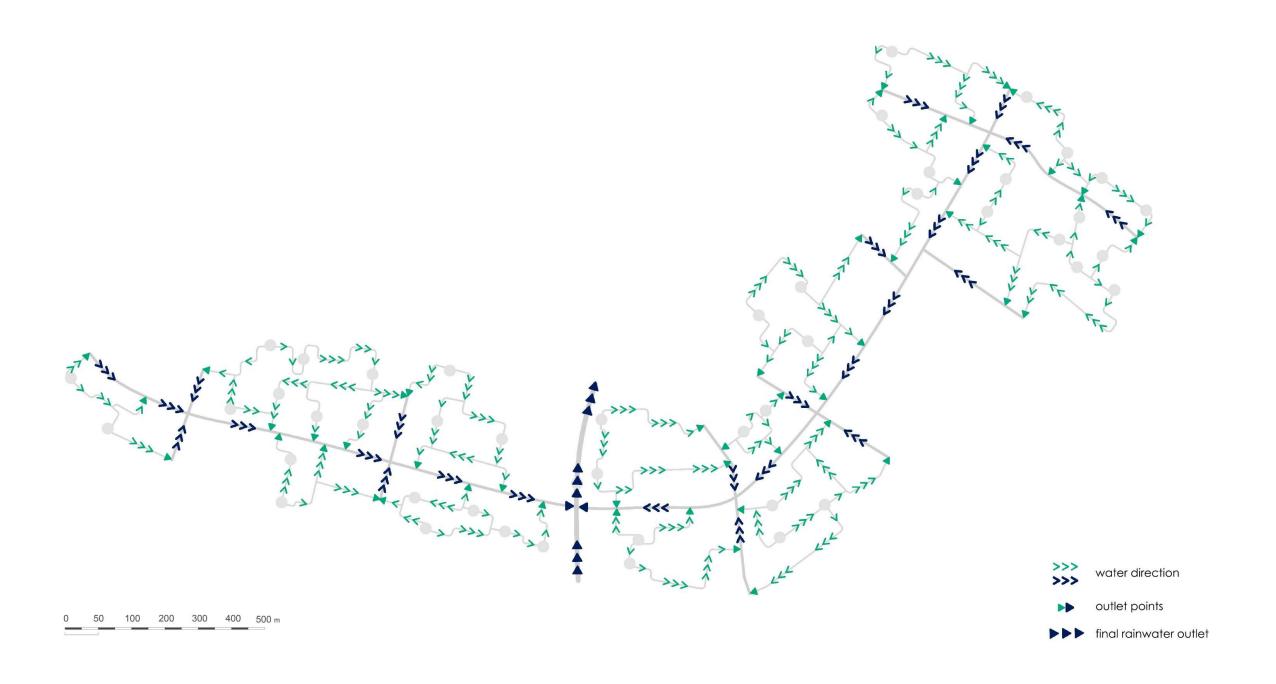














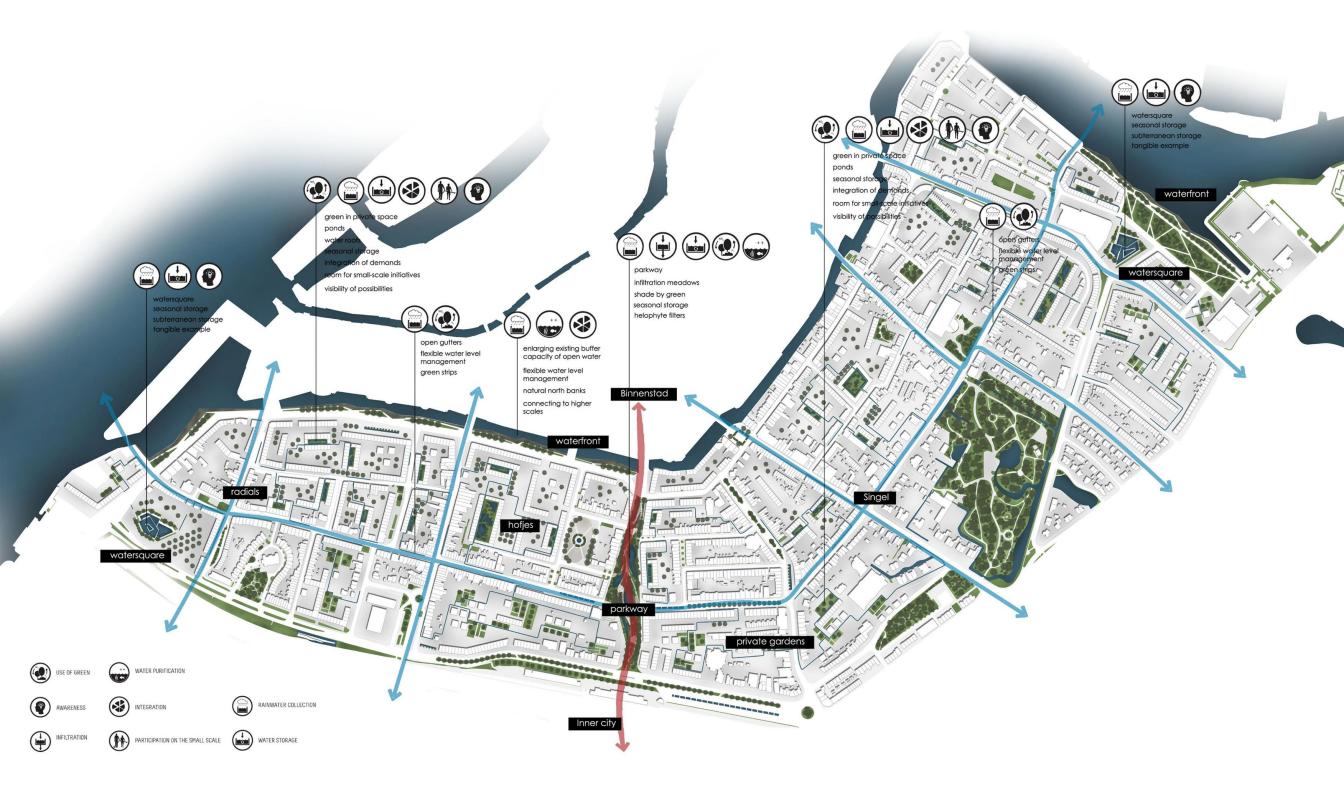


STORMWATER FLOWS FROM STREET INTO GREEN GUTTER









current situation







2048 (design proposal) after prolonged heavy rainfall







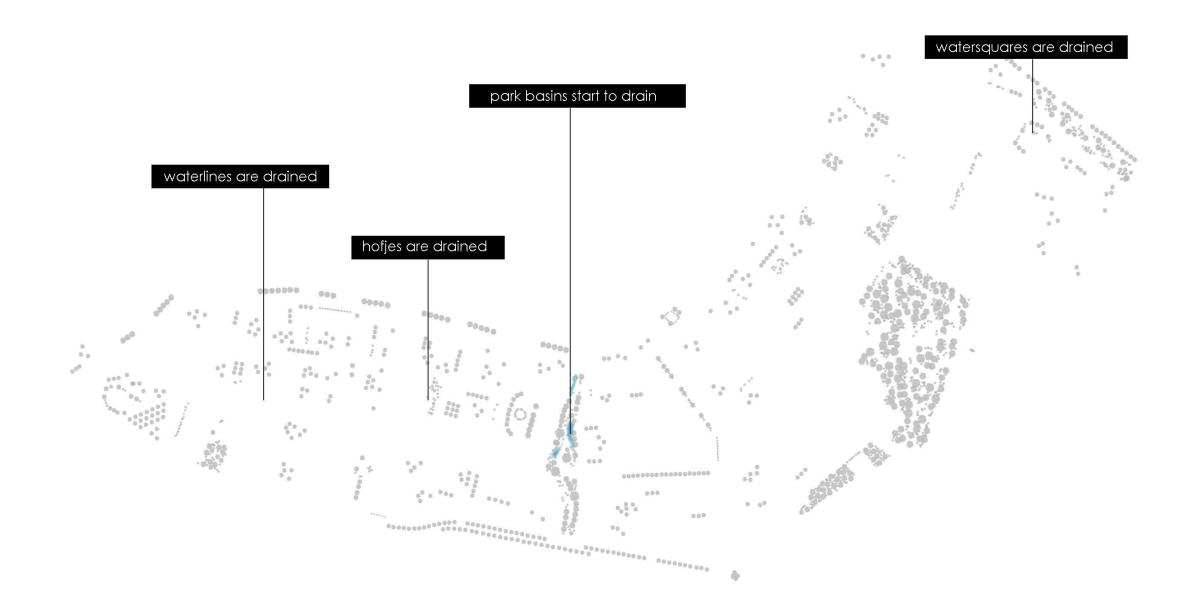






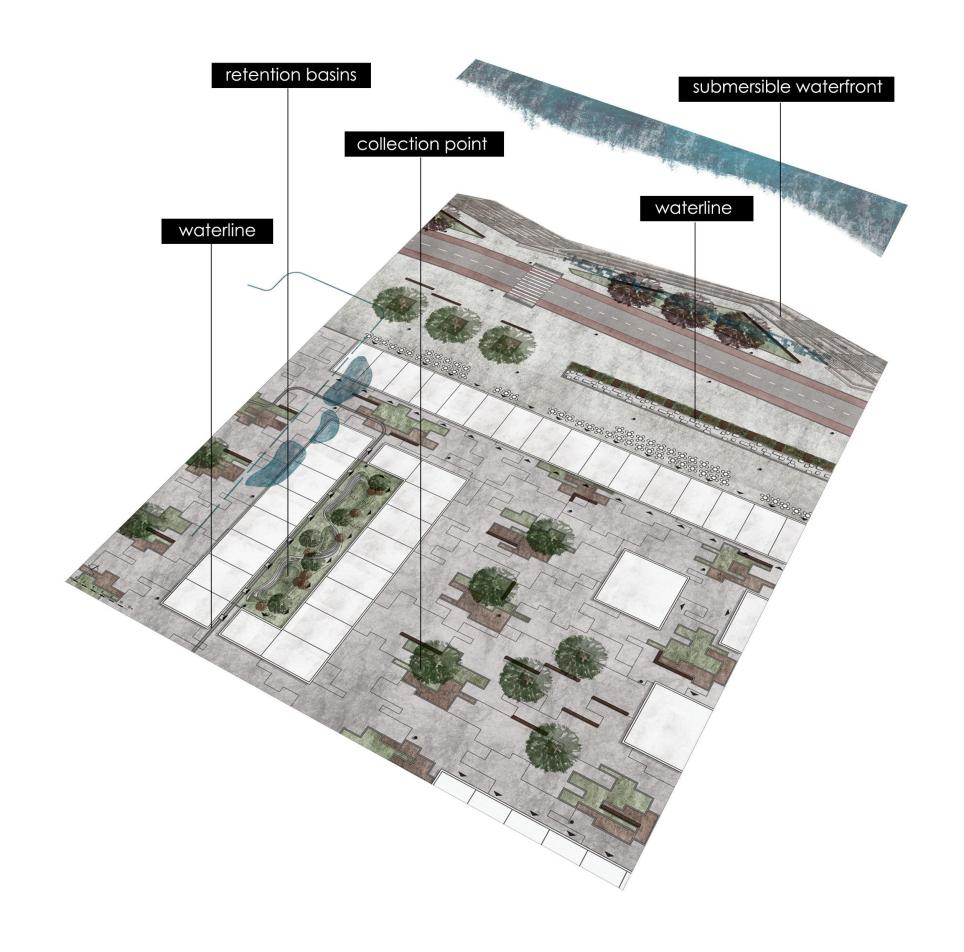




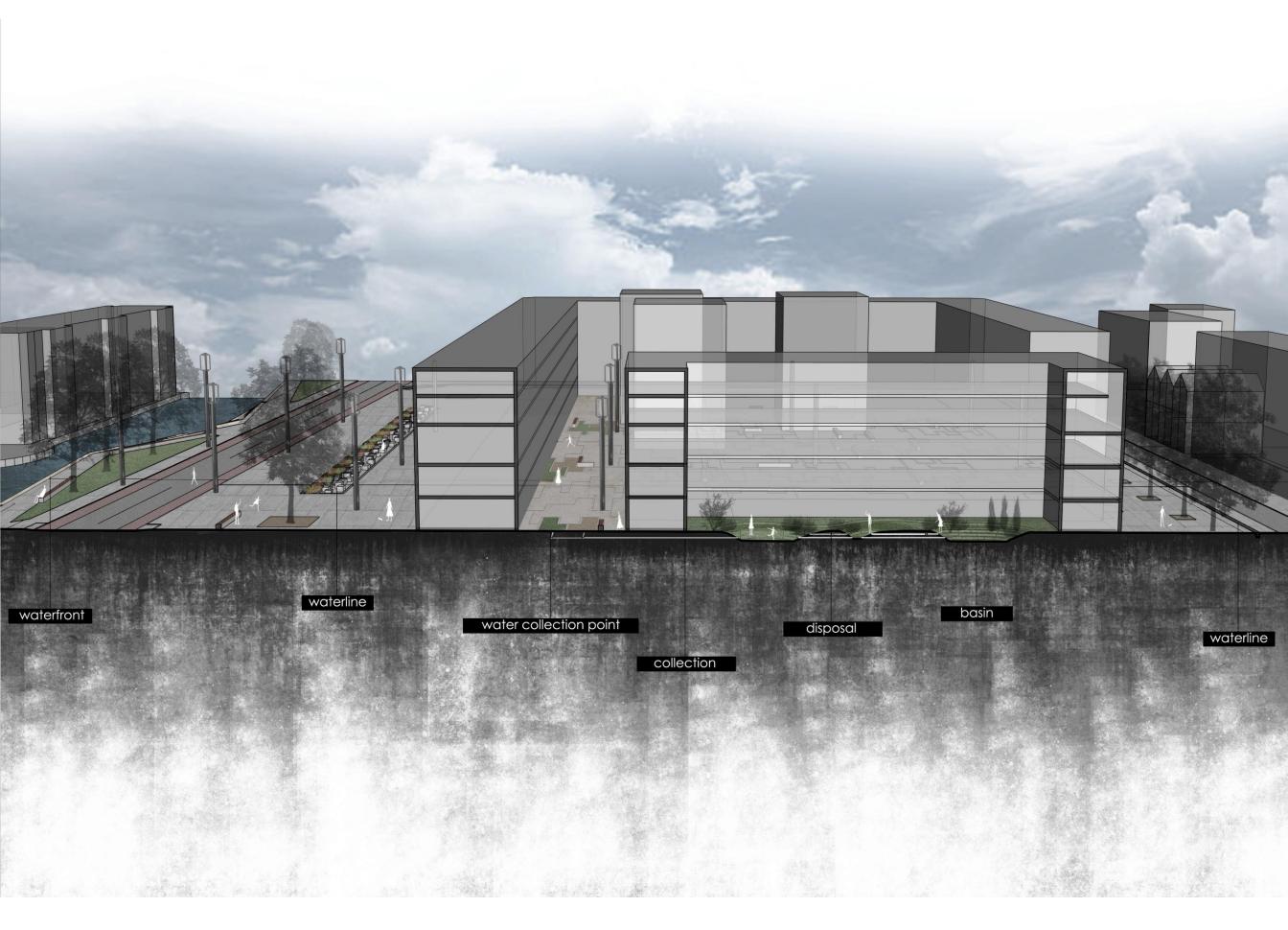




the hofje



























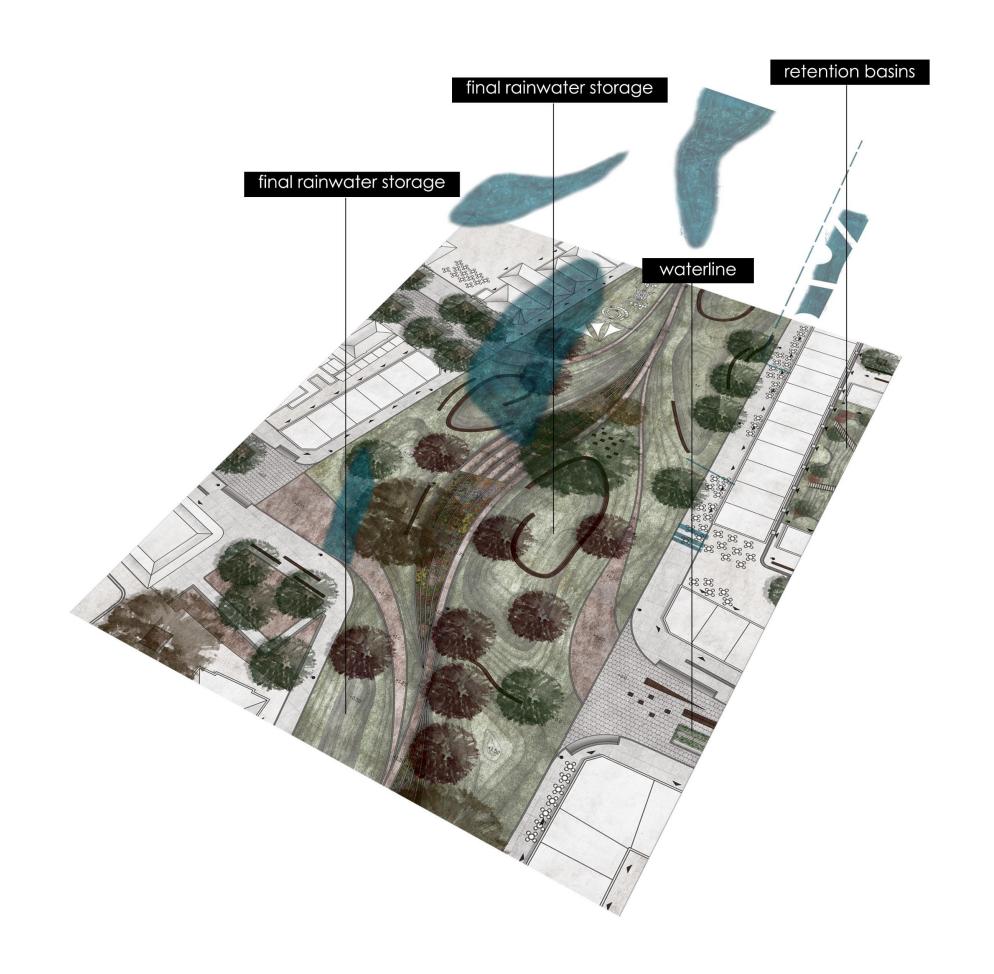


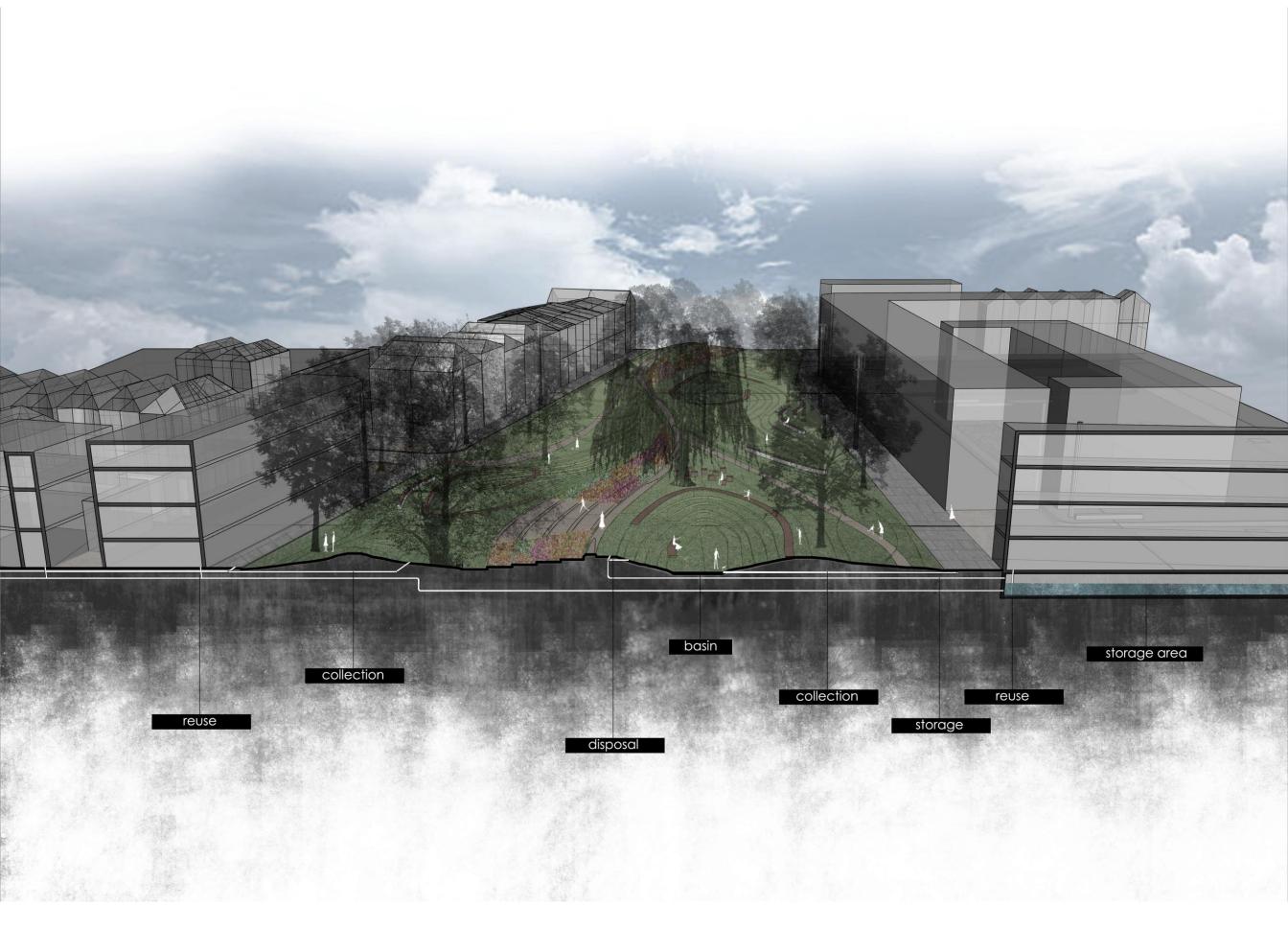






the park













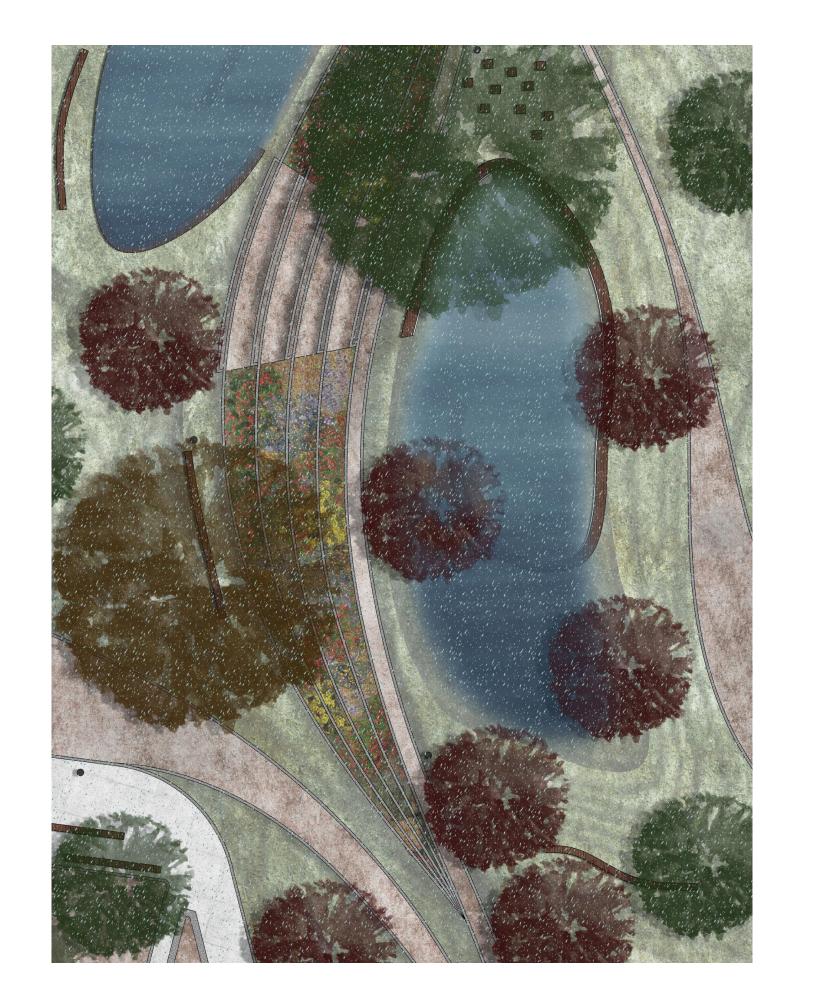


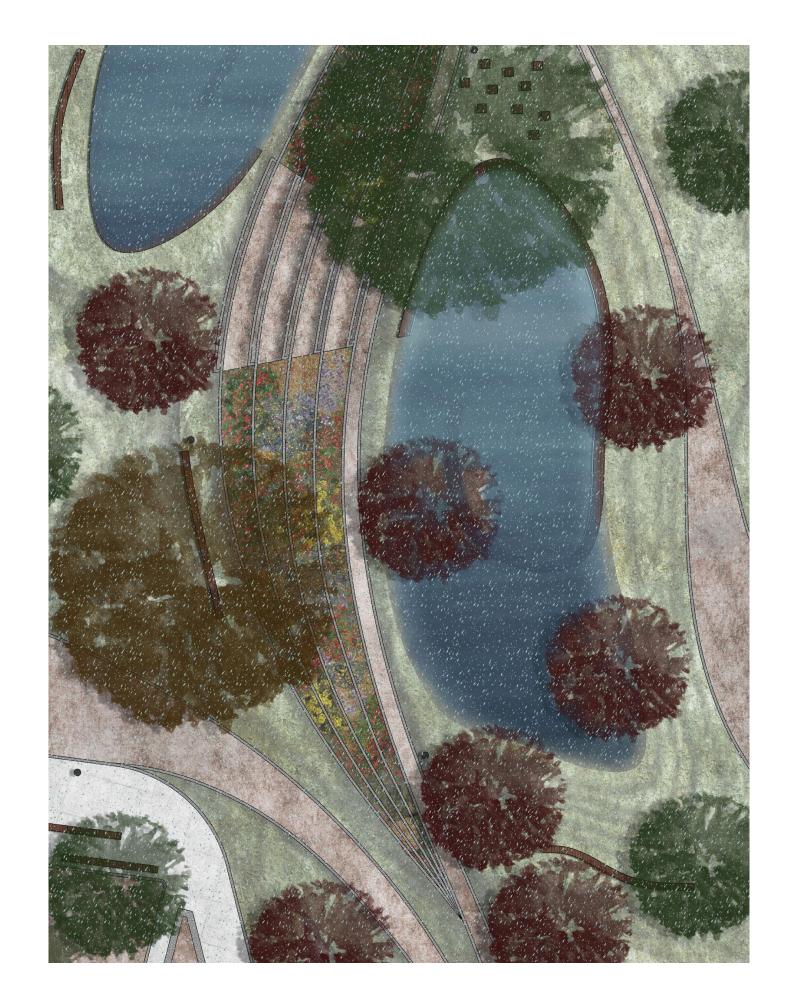




























a "dordtse" story



Name: Chloe Age: 28 Profession: Landscape Architect Place of origin: Brussels, BE Place of residence: Delft, NL

START

































