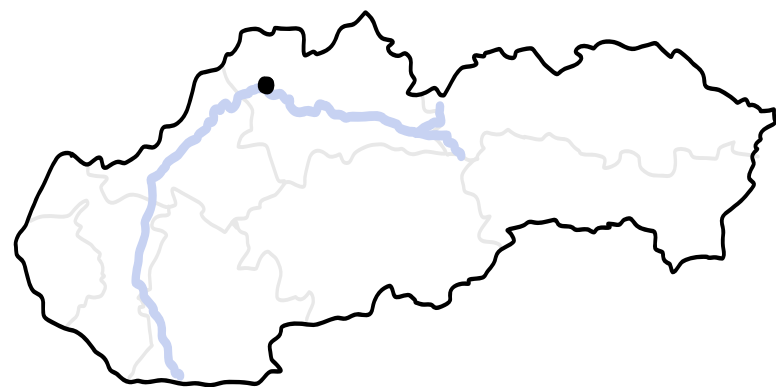


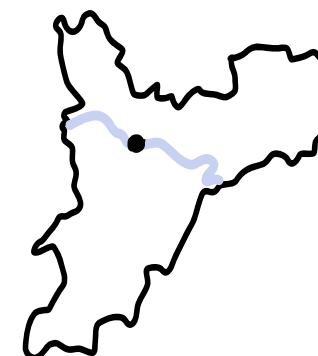
ZA*_vodou*



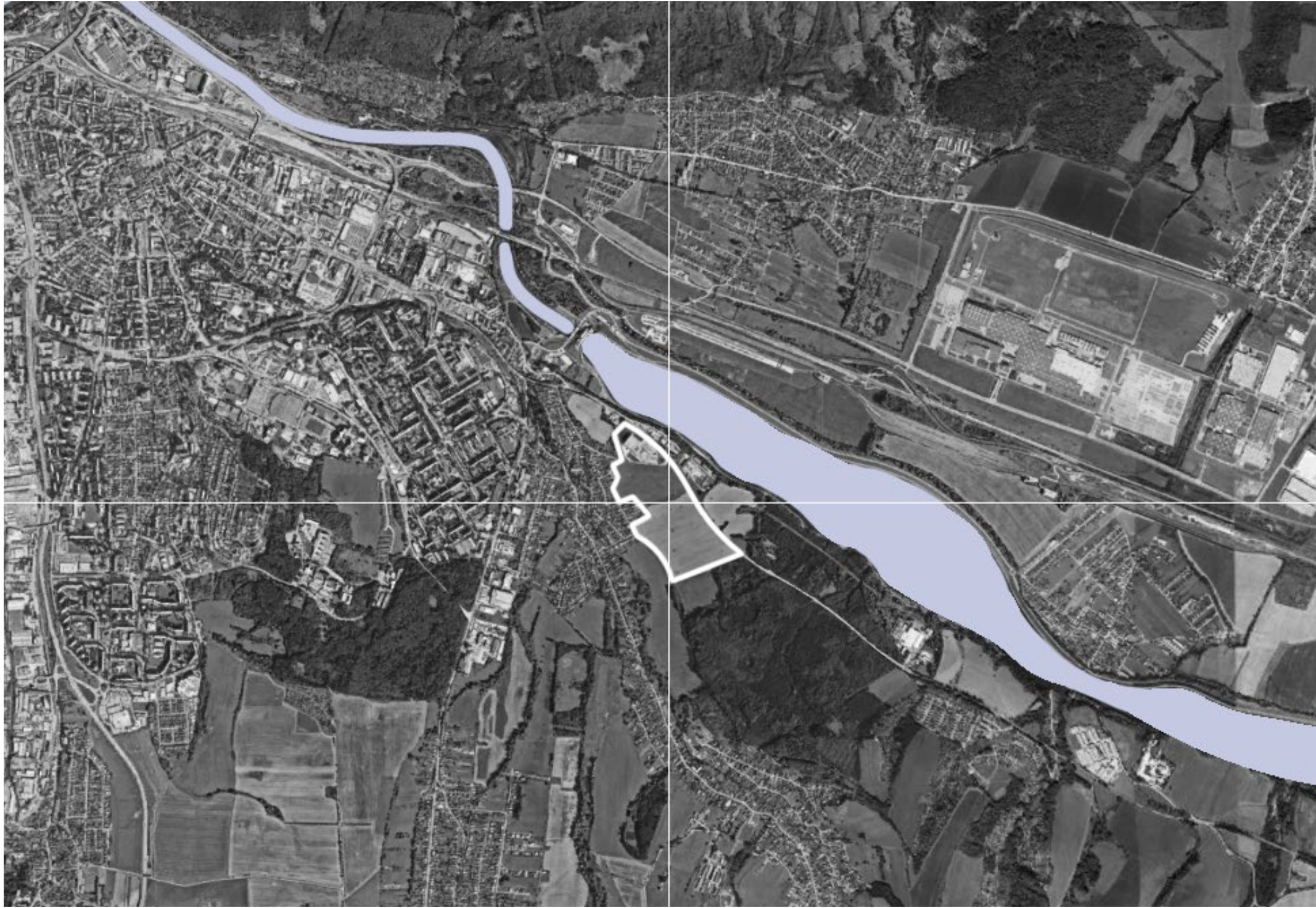
country



region

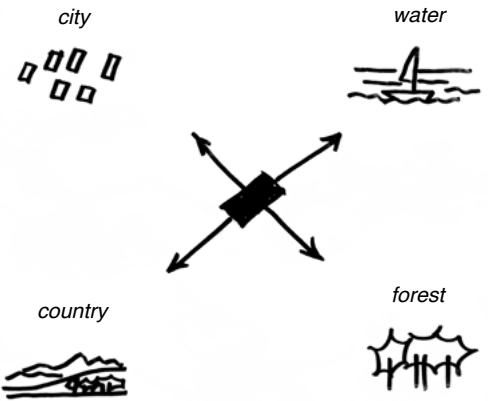


district



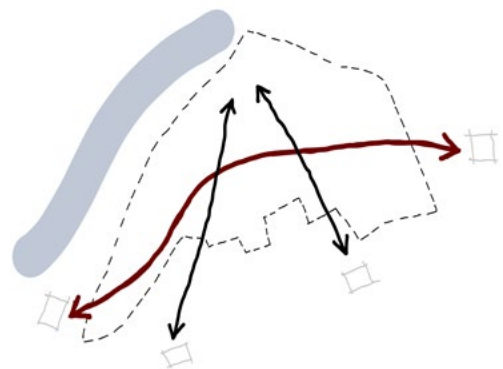
ŽILINA

Žilina is located in northern Slovakia and represents an important regional centre with strong potential for further development. Its strategic position and natural setting create favourable conditions for balanced urban growth. The proposed site lies on the outskirts of Žilina, near the Vodné dielo Žilina on the Váh River. The area is defined by a mix of environments, where urban structure meets a more rural landscape. The genius loci of the place is shaped by the presence of both city and nature — residential areas, open fields, forests, and water — creating a unique setting for future development. This combination offers strong potential for a well-balanced and sustainable urban concept.

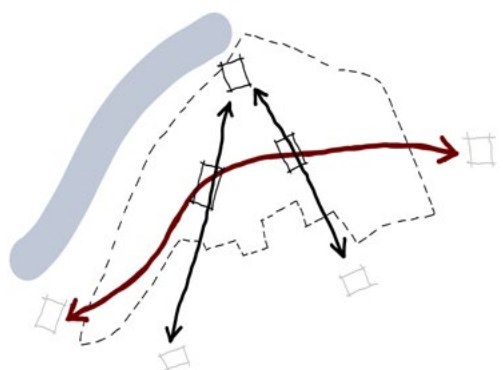




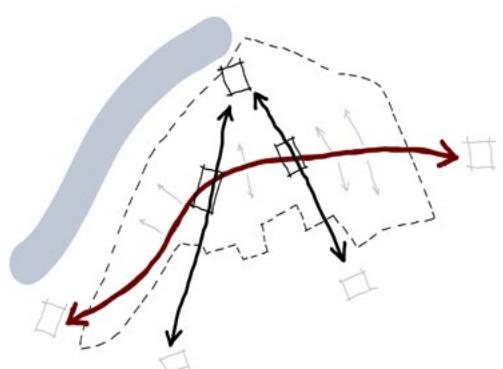
potential centres in the surrounding area



connection through pedestrian routes

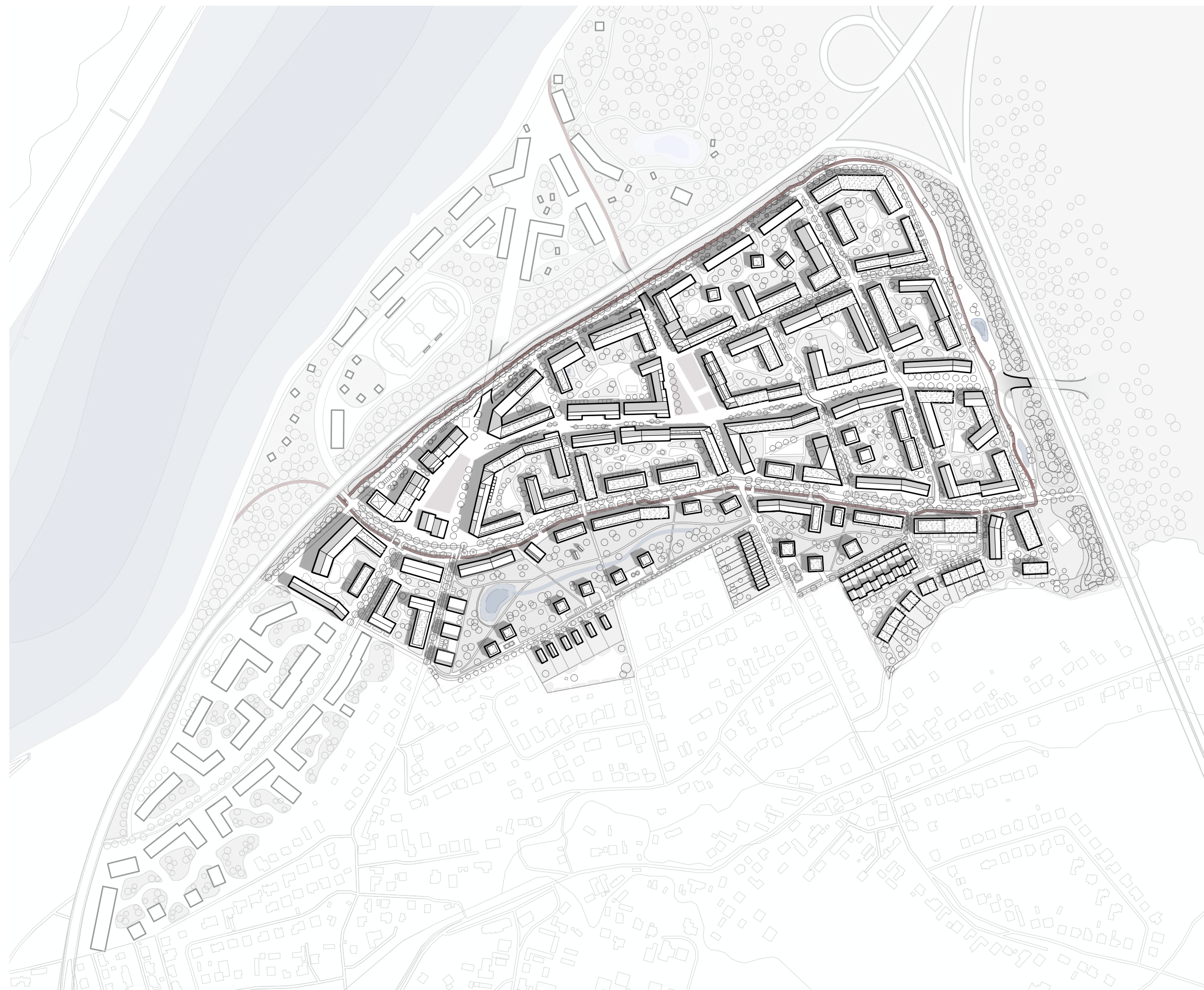


proposed centres at the intersections



connection of the entire area through side paths

CONCEPT_URBAN STRUCTURE

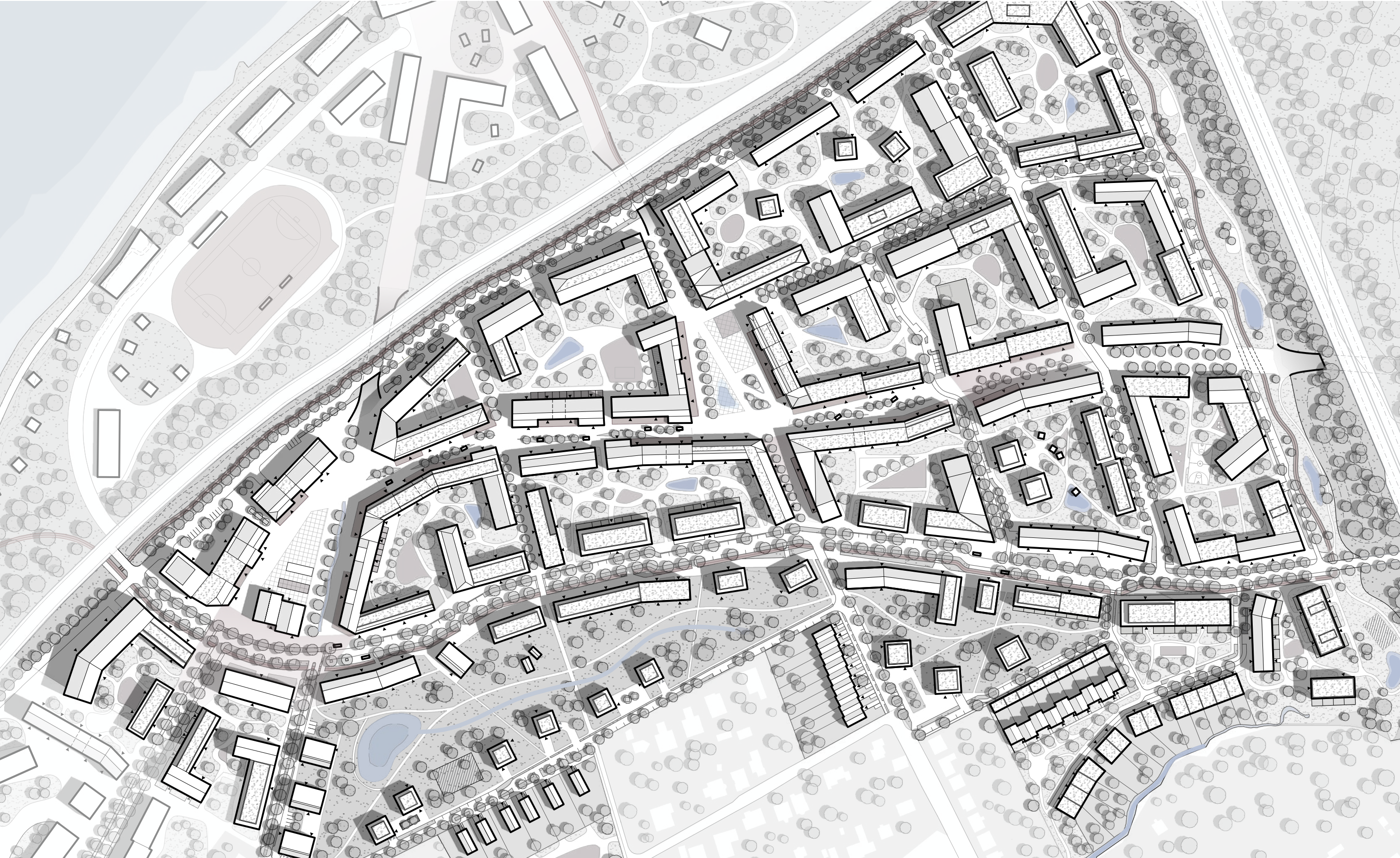


water areas
cycle path

proposed buildings
potential buildings

vegetation
green roofs

existing buildings
green areas



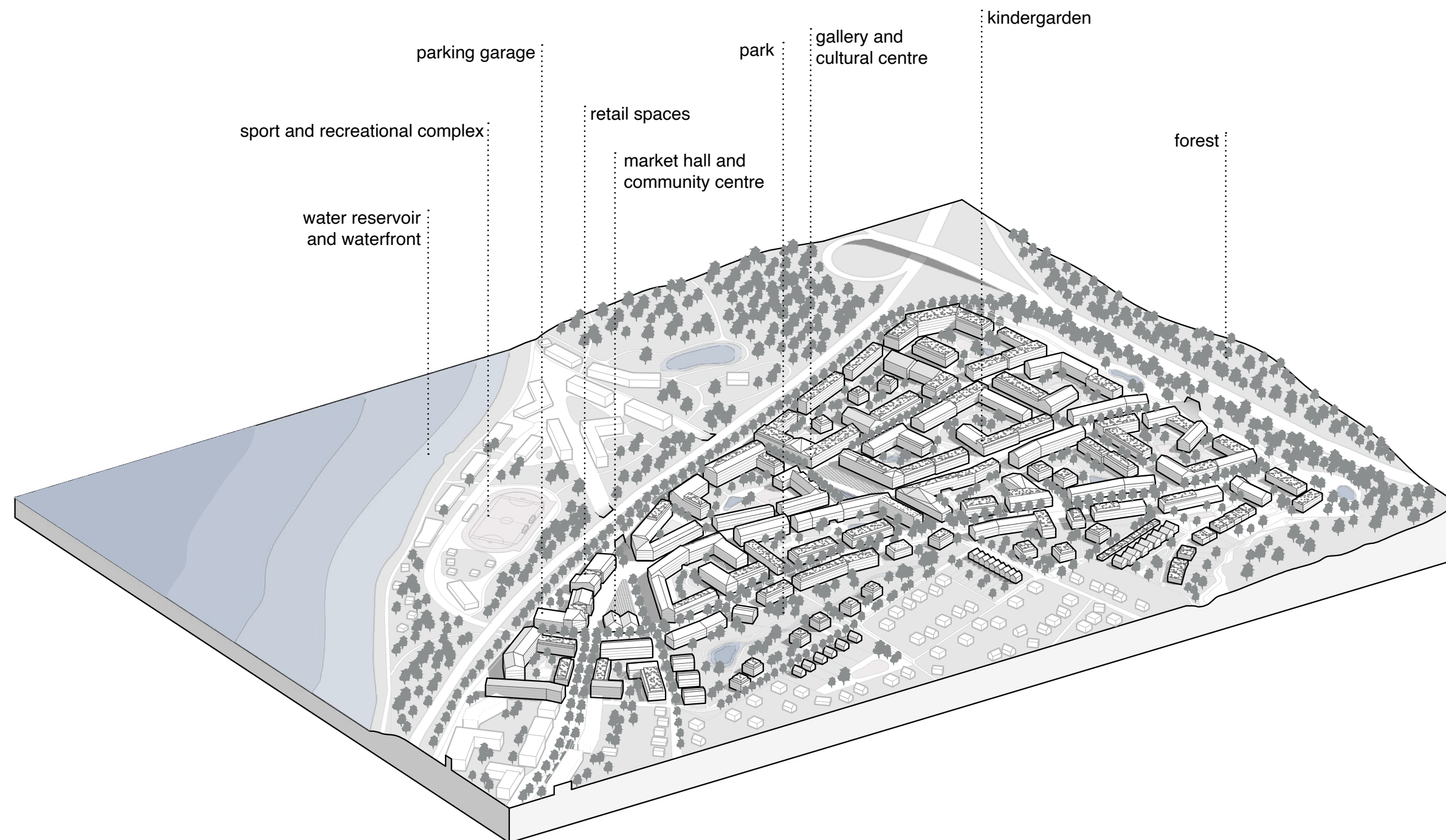
- | | | | | | | |
|--|---|--|--|--|--|--|
|  water areas |  potential buildings |  main pedestrian routes |  roads |  playground / community space |  green roofs |  semi-private green areas |
|  proposed buildings |  existing buildings |  cycle path |  building entrances |  vegetation |  public green areas |  private green areas |



MASTERPLAN

0 125m

ZA_vodou



34

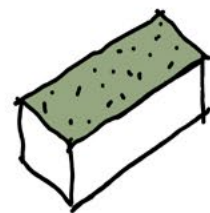
total site area (ha)

6471

number of residents

188

residential density (inhabitants/ha)



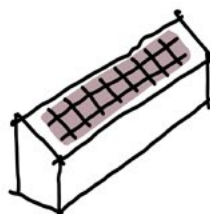
greenery

green roofs
green belts
green islands
public green areas
semi-private green areas
private green areas
isolational vegetation
parks
nearby forests



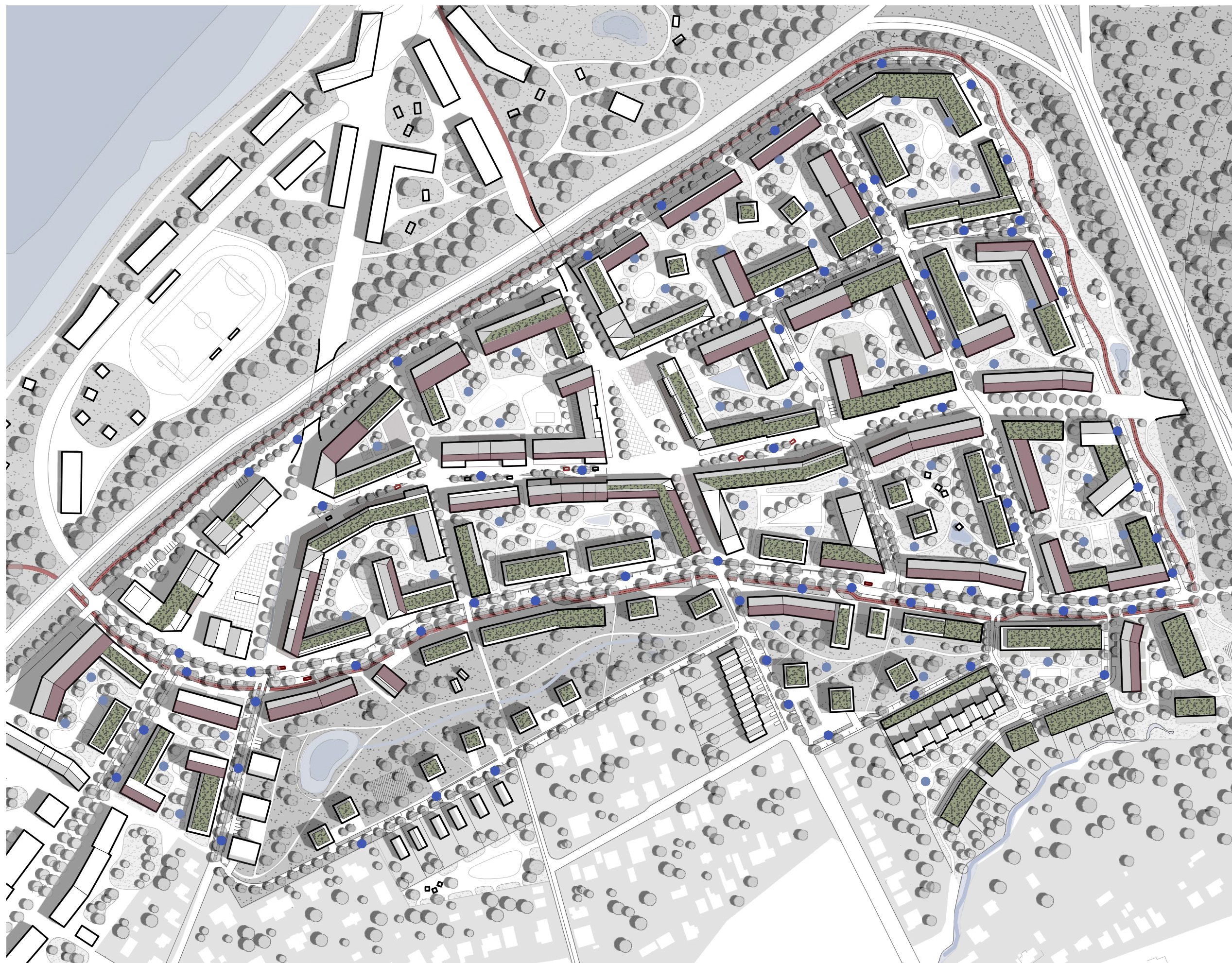
water

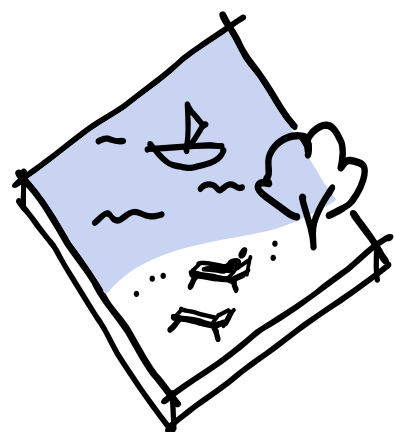
● rain gardens
polders
● retention areas
permeable surfaces
fountains
natural lakes
rivers
water reservoir



energy

■ solar panels
minimization of on-site parking
car traffic rerouting
■ promotion of cycle tourism
■ charging microhubs
■ access to public transport

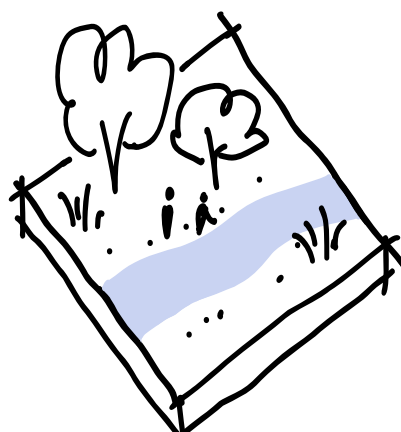




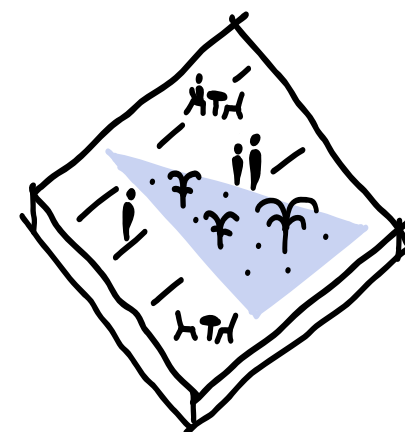
water reservoir



lake



river



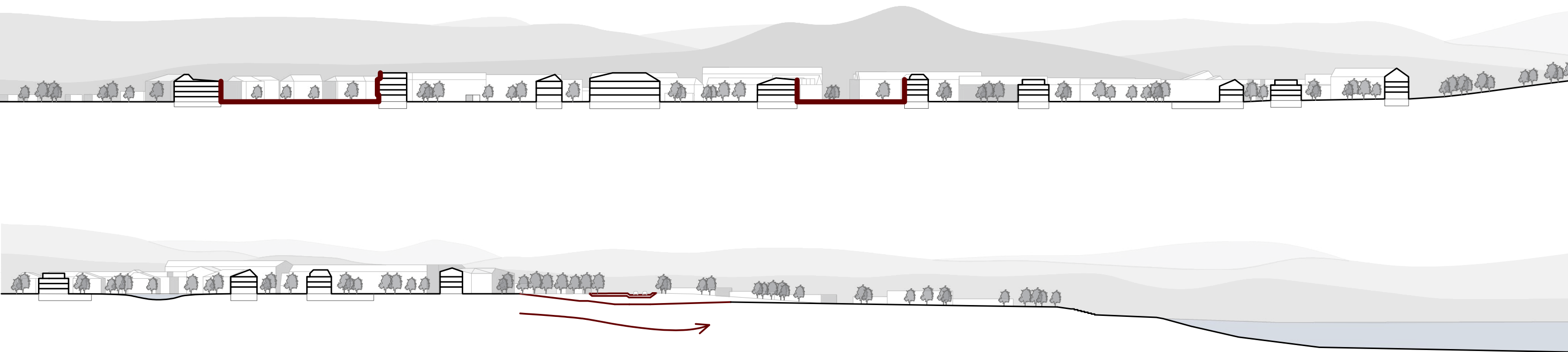
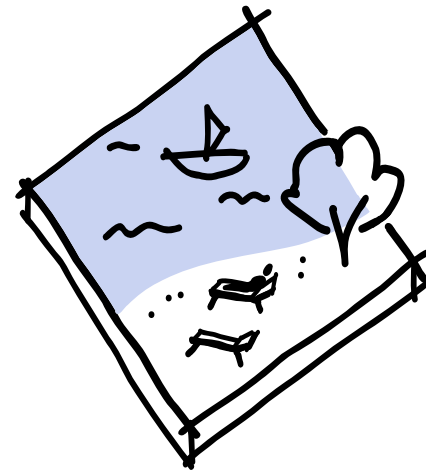
fountains

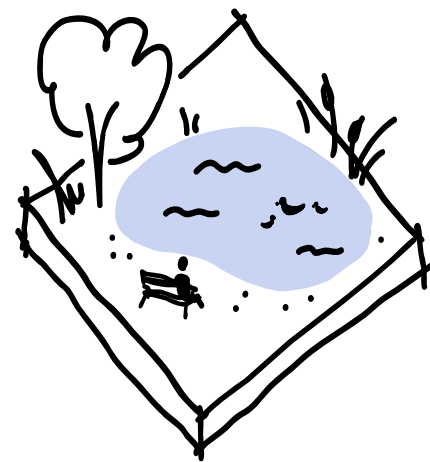


rain gardens

water reservoir

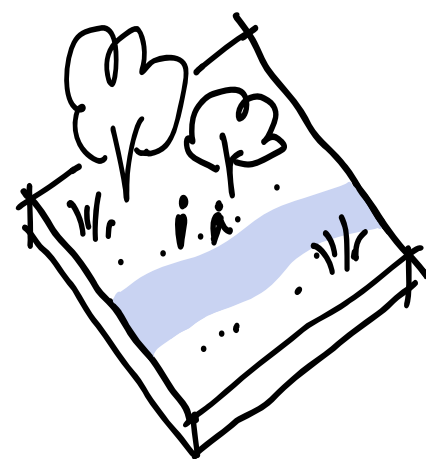
The design works with water at different scales and forms, with the largest element being the water reservoir, and activation of the waterfront. From the site analysis, we found that access to the waterfront is not easy, as it is currently separated by a busy and noisy road - a barrier. This issue was resolved with two underpasses, allowing pleasant and safe movement while also connecting our newly designed residential area to the reservoir.





lake

Another significant element is the lake located in the park area of the site, near the existing single-family housing. The park with its water feature creates a pleasant recreational environment while also providing a natural transition between the quiet structure of individual housing and the more intensive urban development.



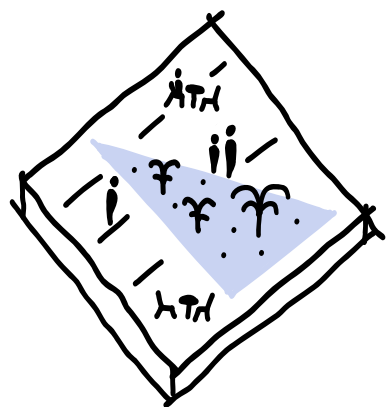
riecka



view with the bridge crossing the river

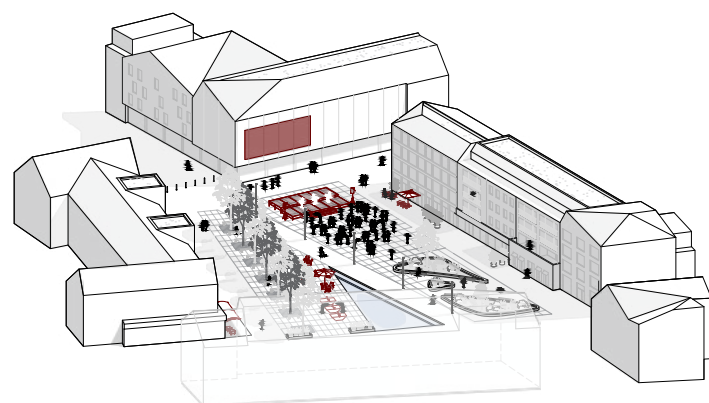
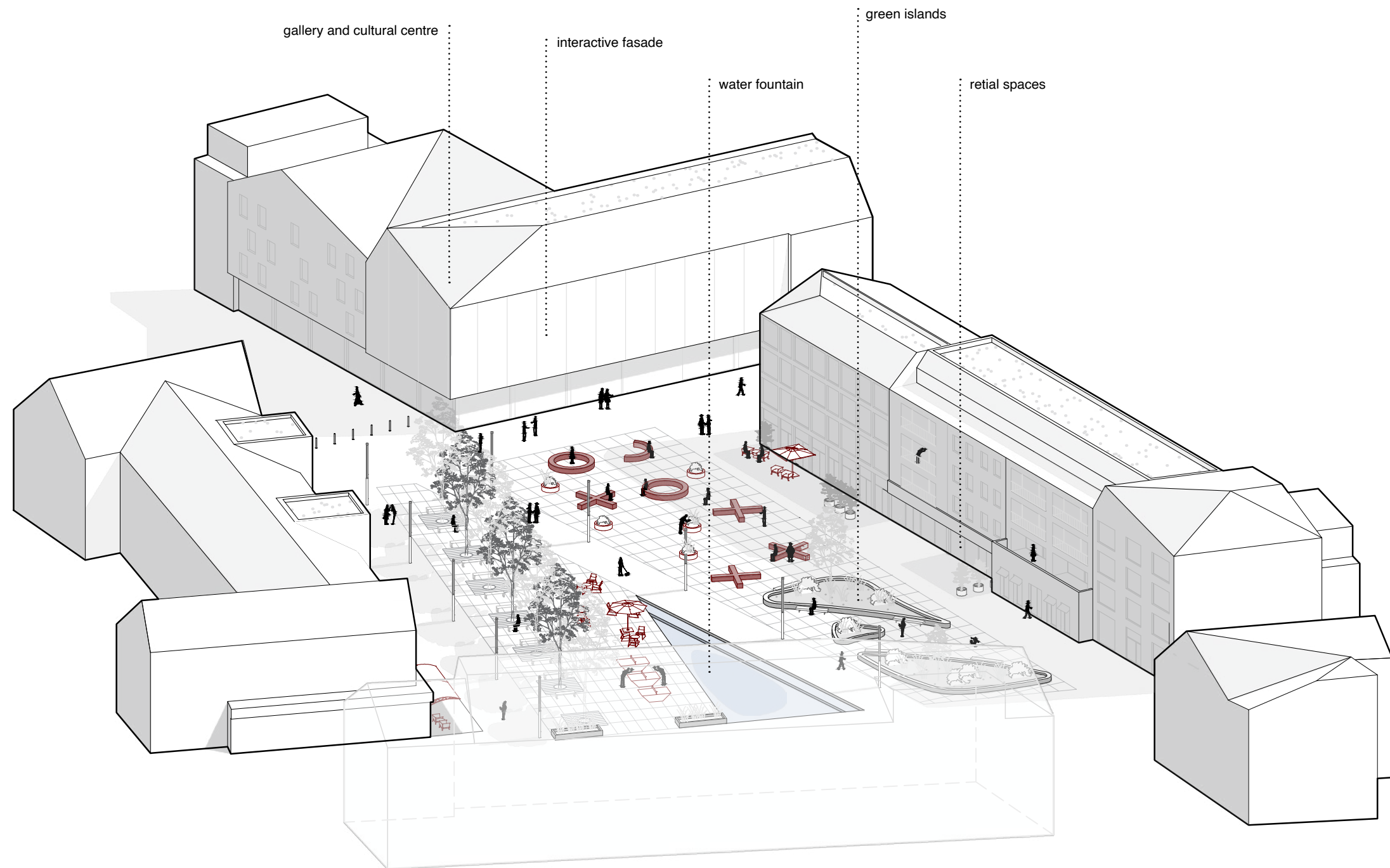


view of the lake in the park

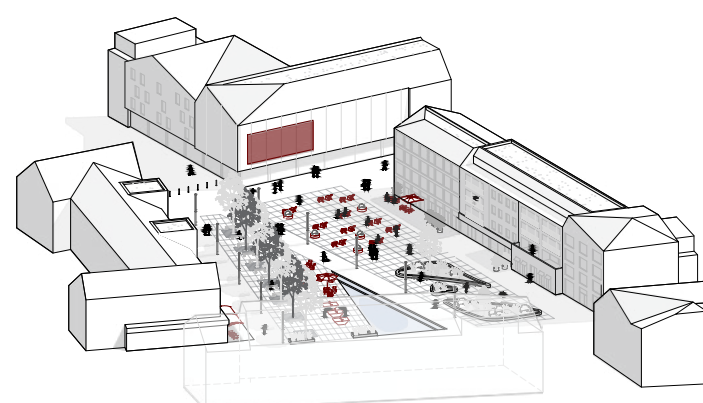


fountains

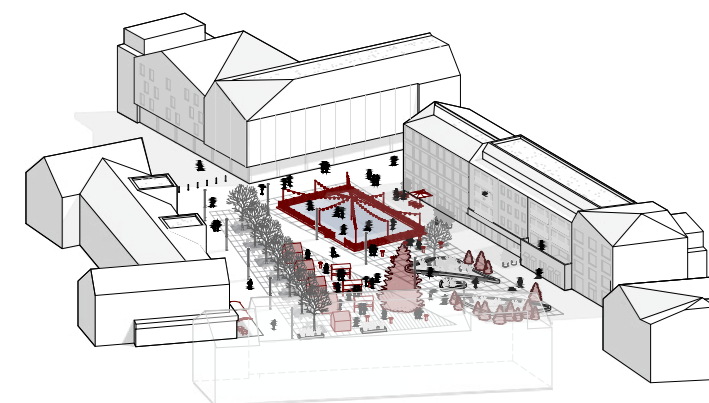
The square is located in a central position within the site, and its dominant feature is a fountain, which shapes the character of the space and improves the microclimate during the summer months. The square also includes a cultural centre with a flexible façade, allowing for film screenings, interactive events, and other cultural or community activities.



cultural, music, and social event



outdoor cinema



christmas time

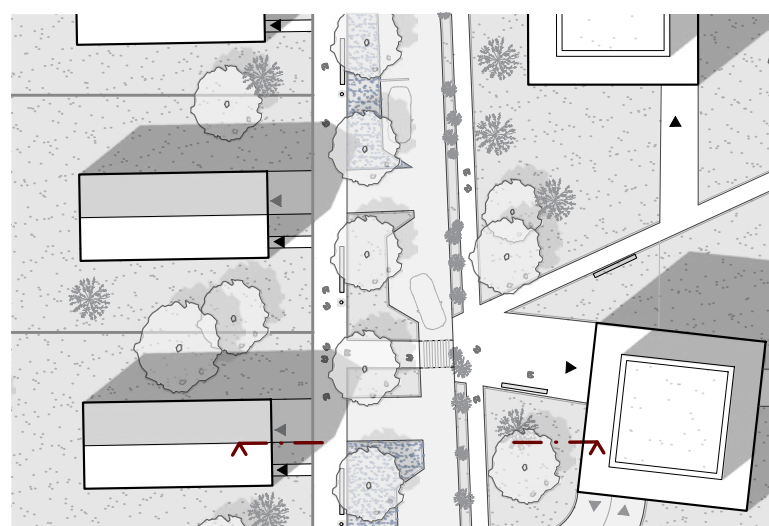
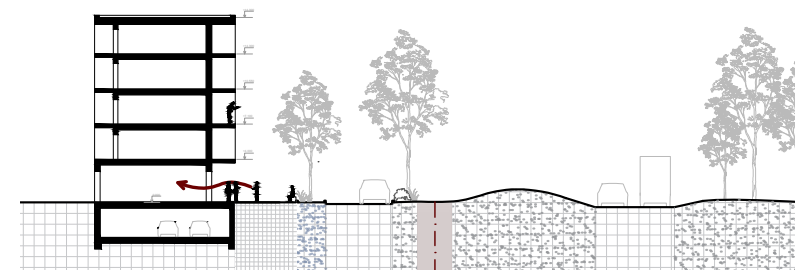
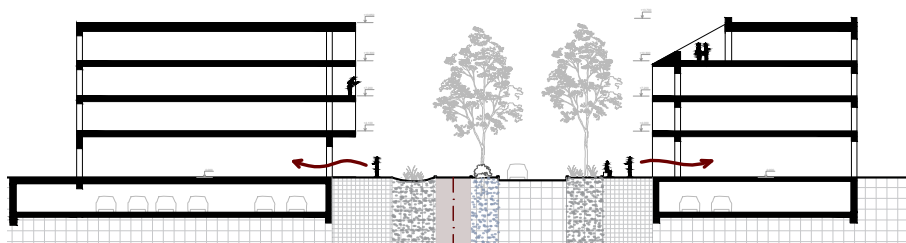
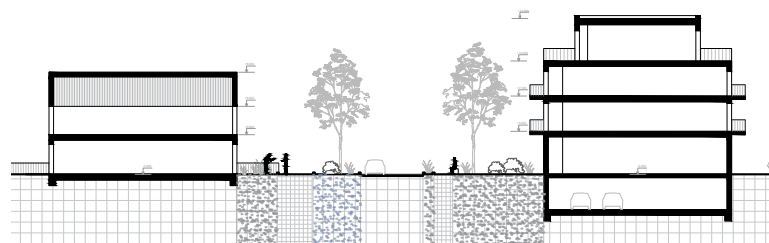






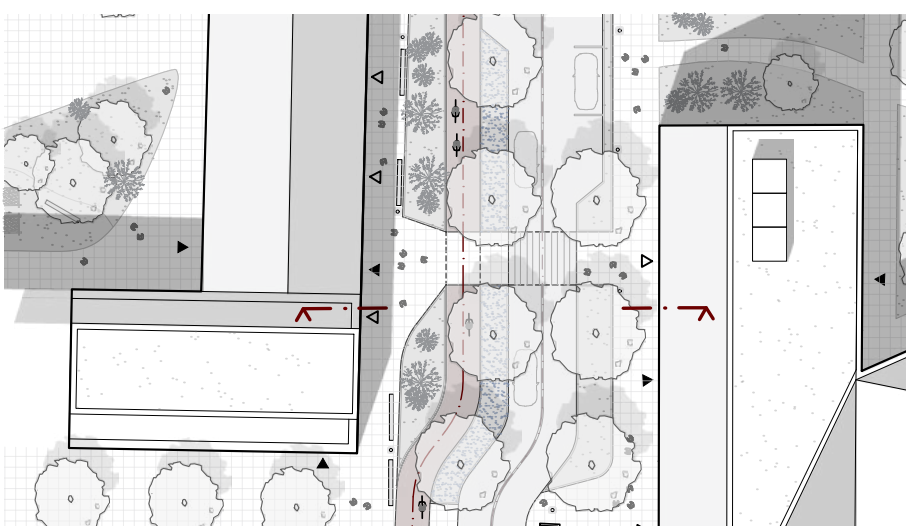
rain gardens

The smallest yet equally important part of the design is the rain gardens. They are located along most streets and inner blocks. Besides visually enhancing the spaces, they help retain rainwater from public areas and permeable surfaces. These small ecological elements improve the microclimate and greenery and also manage water throughout the public space.



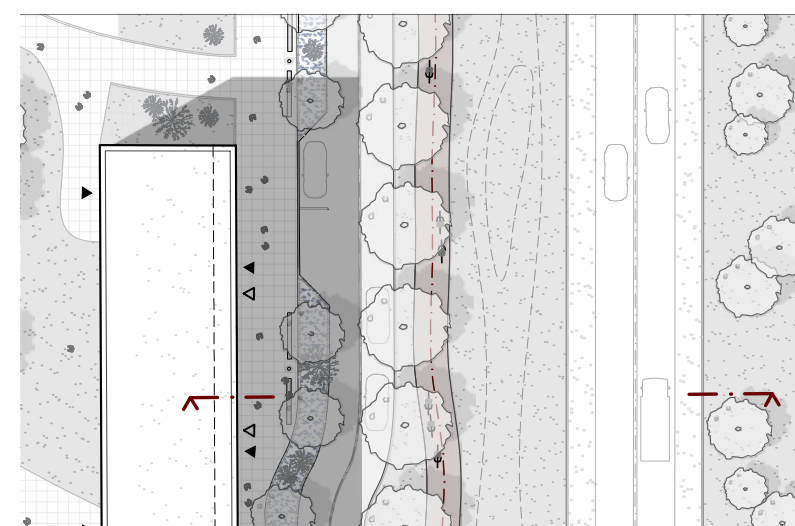
residential street

0 26 m



main street

0 28m



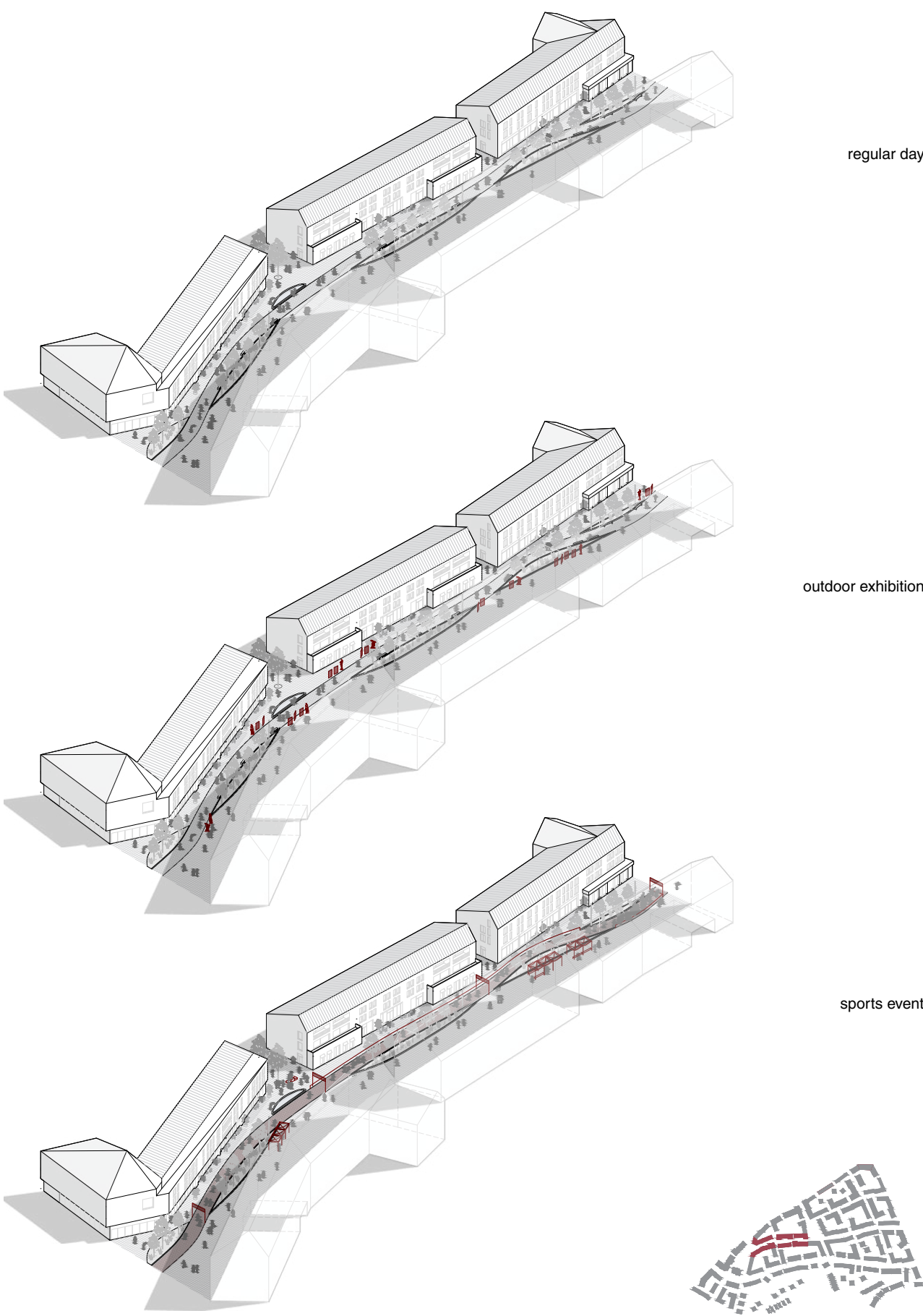
service street

0 30m



view of the main pedestrian street

LUCIA FECKOVÁ



The pedestrian street connects the two centers – the squares – prioritizing pedestrian movement and the presence of people. It has a mixed-use character, with an active ground floor that captures public life. Its formation creates a sense of guidance toward the centers while also providing space for gathering and seasonal activities at a human scale

ZA_vodou

KRISTÍNA ČARNECKÁ

