

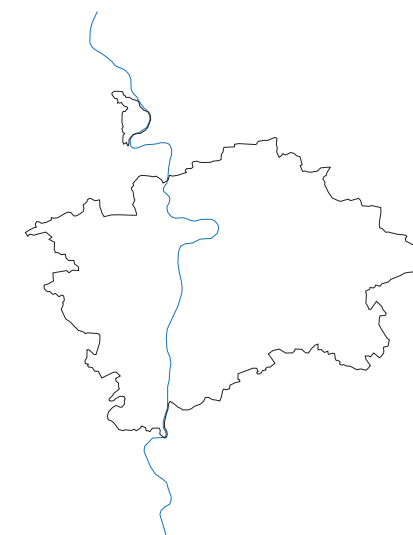


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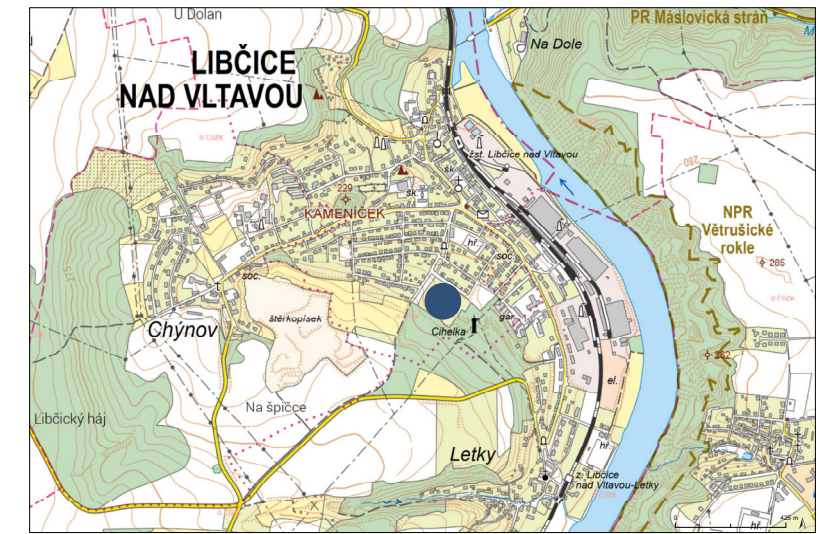
Atelier Rehwaldt-Concepcion
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winter semester 2023

The studio assignment was the **revitalization** of the **swimming pool area in Libčice nad Vltavou**, a town in Central Bohemia. The main topics of the semester were its conversion into a **natural biotope**, finding a **year-round use** of the land, creating a **multifunctional natural-sport area** that directly connects and actively uses surrounding green areas attractive for other purposes - social events, sports, picnics, games and more.

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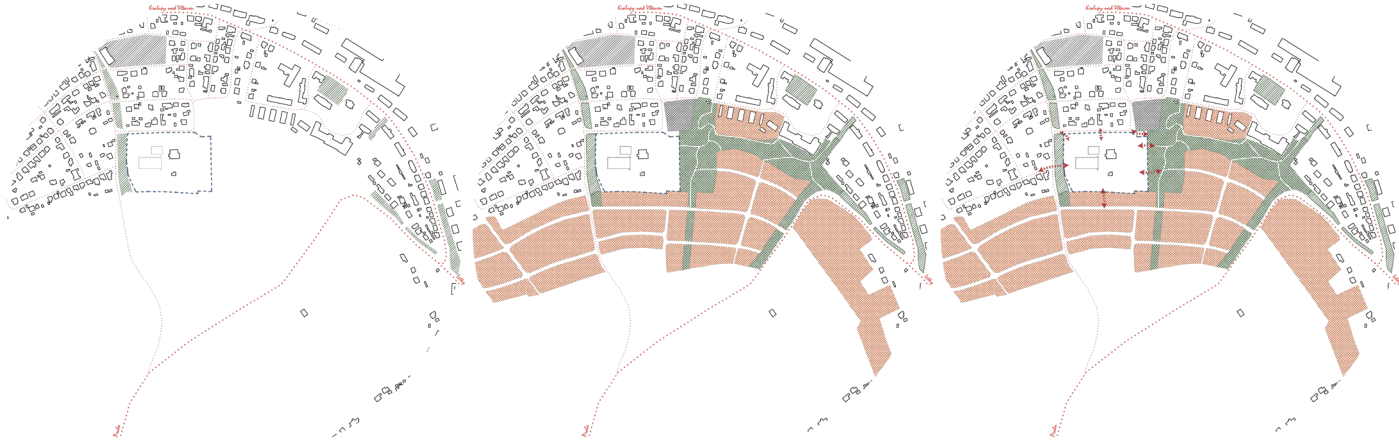
Libčice nad Vltavou is a town of 3500 inhabitants located in **Central Bohemia** approximately 3 kilometers away from Prague's city limit. The town stretches along the banks of the **Vltava River**, which creates a deep canyon in the location's topography.



The swimming pool is located on a hill on the outskirts of Libčice nad Vltavou. This makes the **water supply** complicated and expensive. In context of the existing development, the location of the swimming pool is not very ideal in terms of **accessibility**. However, when we consider the town’s planned **future development**, the situation becomes different.



- current public amenities
- current greenery
- current housing
- planned public amenities
- planned greenery
- planned housing



Current state of site

Town’s development plans

Town’s development plans

The area of interest takes up quite a **large space**. When looking at the town’s development plans, I percieved the area, when closed of with a fence, as a **barrier** between the existing and planned neighbourhood. Thanks to the location, it has **potential** of establishing the otherwise soon to be missing **connections** within the town. With the new development built around the swimming pool site, the place will gain a more central and attractive location for a wide range of activities.



swot analysis

S
W
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T

- location within the city in context of future developement

nice grown trees

terrain
- location on top of a hill

lack of connections to surrounding areas

bad use of space
- large unused spaces

connecting future neighbourhoods
- high maintainance cost

bad water quality

- Converting**

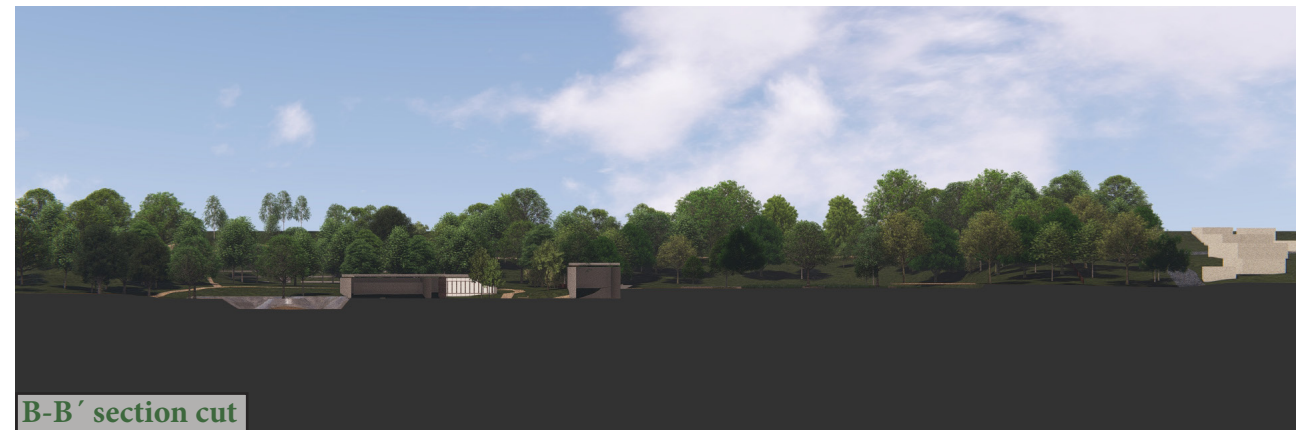
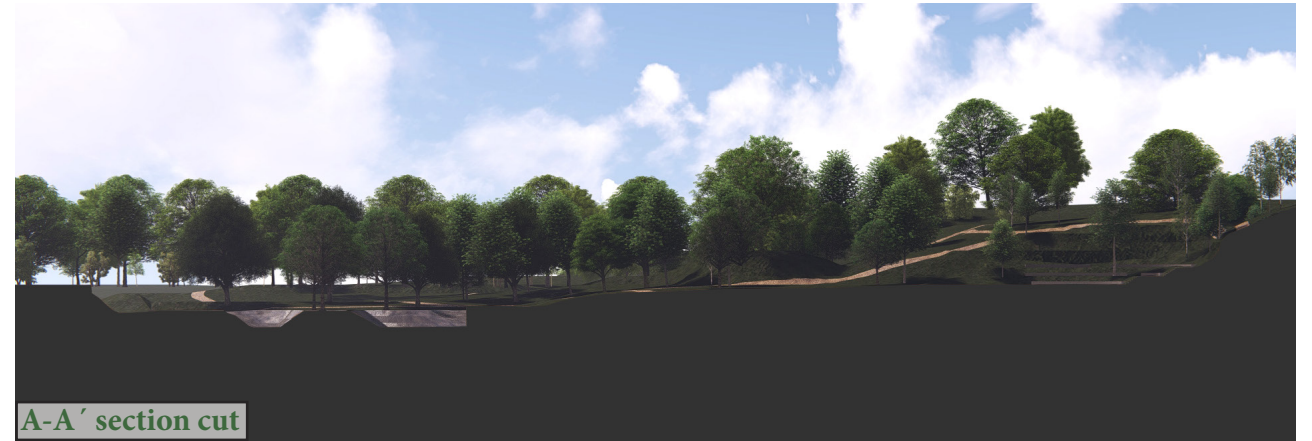
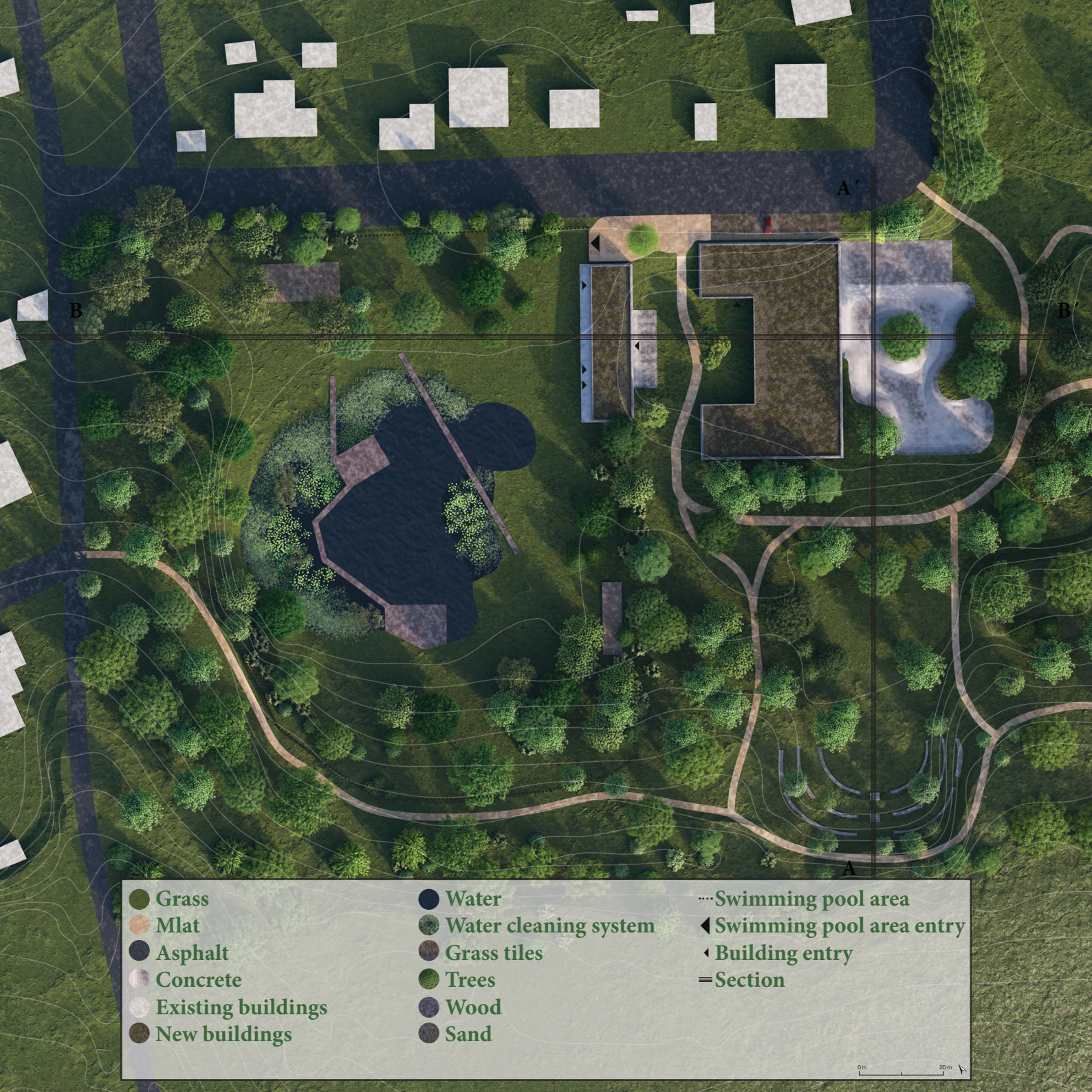
Swimming pool ➞ Natural swimming pond
- Expanding**

Swimming pool	+	Spa
Restaurant	+	Skatepark
Workout spot	+	Seating stairs
	+	Picnic meadow
	+	Petanque court
	+	Beach volleyball court
- Connecting**

Fenced in area ~~~> Connection to surroundings
- Perserving**

 - Terrain
 - Vegetation









Populus tremula



Populus nigra



Fraxinus excelsior



Corylus avellana



Ligustrum vulgare



Tilia cordata



Quercus



Acer



Betula pendula



In my design I plan several new trees, when needed to create a more intimate environment. **Following the species composition** already present on the site, I don't suggest any new tree or shrub species.

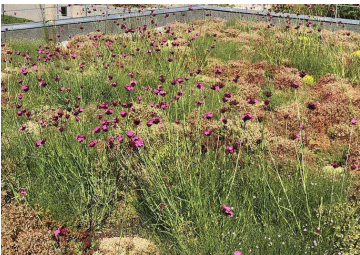


Extensive green areas promote **water infiltration**. They also provide a buffer zone that protects development areas from water erosion.

The material chosen for footpaths (mlat) is **permeable**, positively influencing water absorption into the landscape.

For parking spaces, **grassing pavement** is used.

Green roofs contribute to energy saving measures. In summer they are cooling the building and in winter they help reduce heat losses.



● Grassing pavement

● Mlat

● Green roof

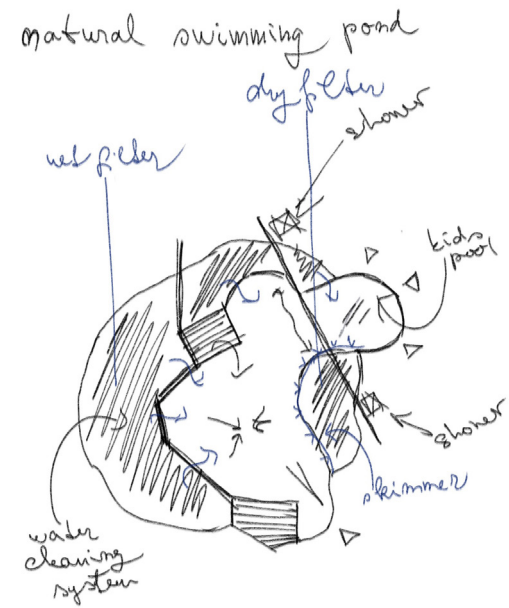


Swimming pool area

1 Natural swimming pool

The natural swimming pool has different depths in different places. A wooden foot-bridge separates the section for swimmers and non-swimmers. The wooden platforms can be used for sunbathing or as diving boards.

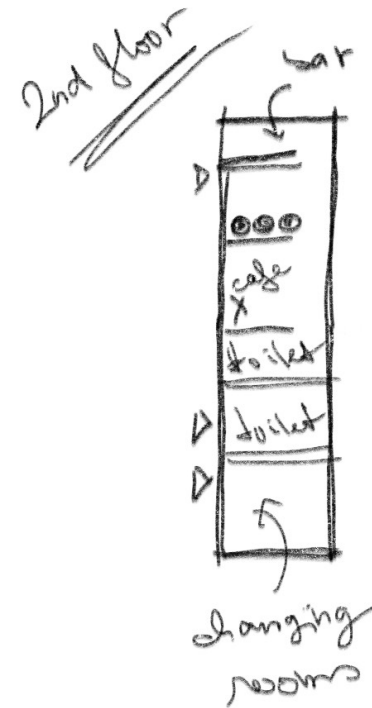
The pond is surrounded by water purification plants.



3 Beach volleyball court

2 Swimming pool building

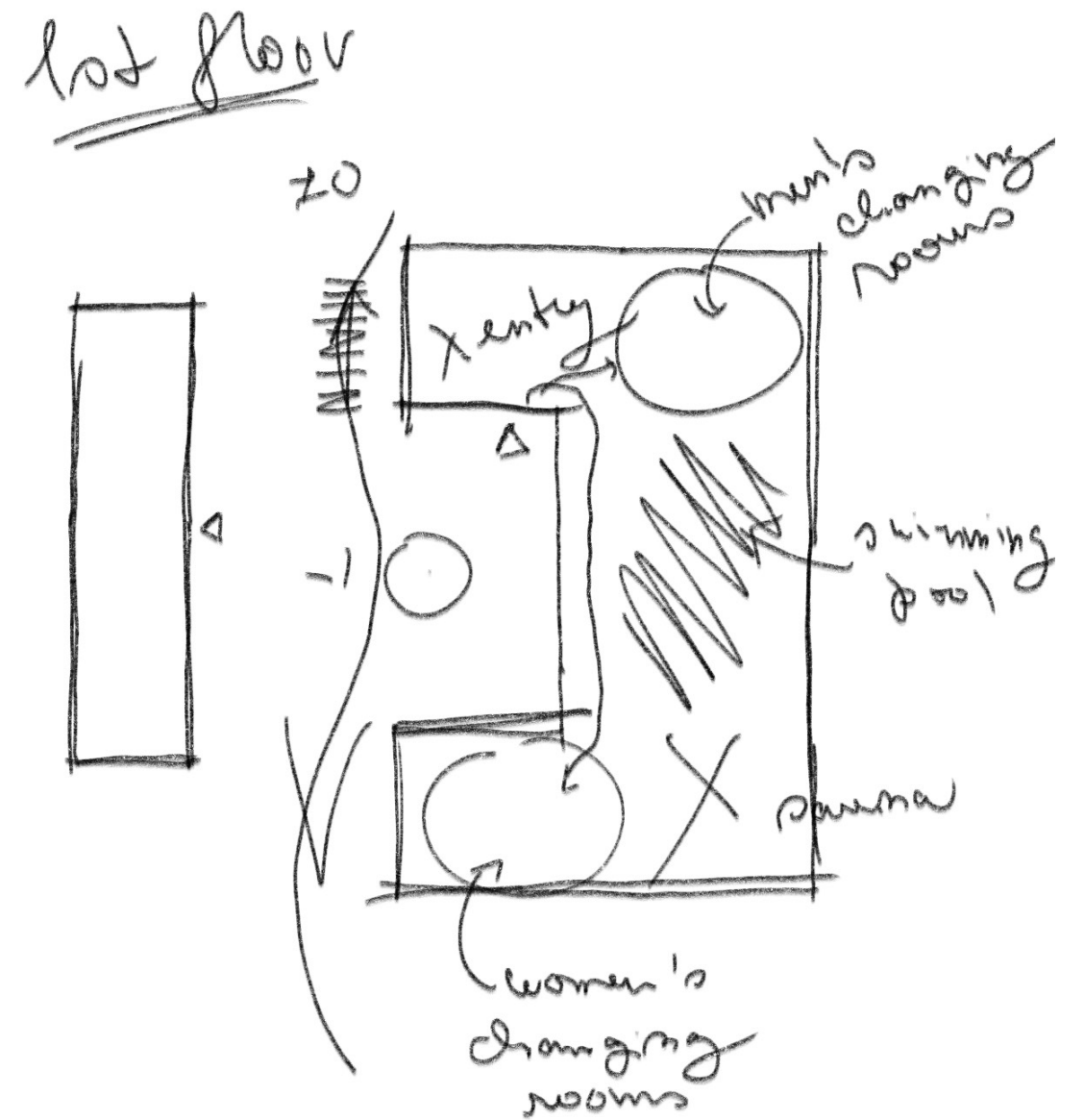
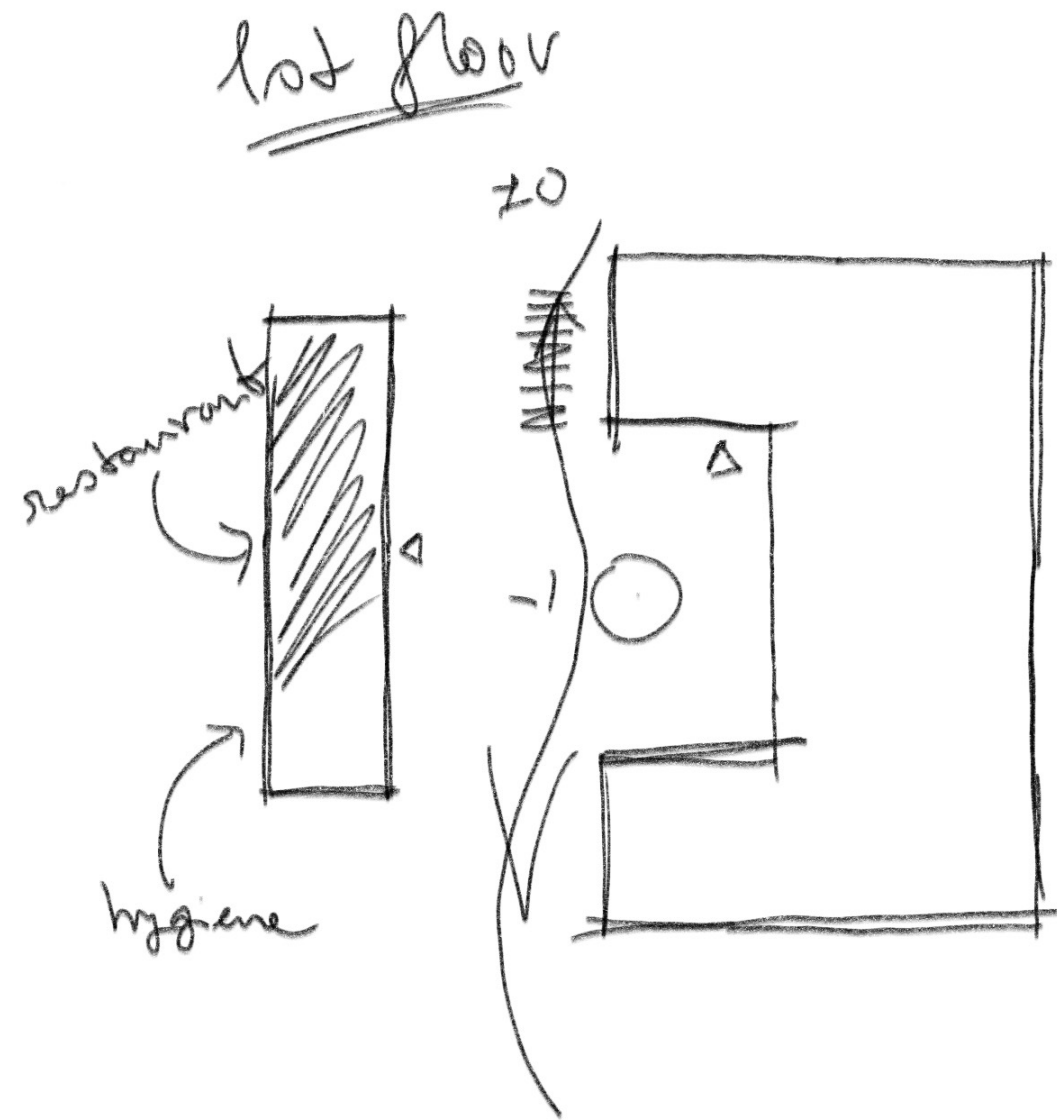
On the top floor of the building there is a diner, changing rooms and toilets, aswell as room for maintenance equipment connected to up-keeping the pool.



4 Petanque court







Seating stairs

Respecting the existing terrain, seating stairs are designed in the place where the annual summer cinema is held. They can be used for all kinds of social events, but also year-round for simply sitting and relaxing.



Skatepark and workout spot

The existing workout spot has been moved to next to the newly designed skatepark.





Existing benches, after renovation, are used in the design.

