



A healing environment for children

Problem statement

“Having a child hospitalized is a stressful event for parents who often experience anxiety and depression during the period of hospitalization.”

(Commodari, 2010, p.1)

Methods

INTERVIEWS

Interviews have been conducted with:

- Nurse
- Paediatrician
- Paediatric oncologist
- Architect

FIELDWORK

For my observations I did fieldwork in the Prinses Máxima Centrum in Utrecht. I wanted to keep a diary of a day in the life of a child with cancer, but unfortunately I was not allowed to speak to parents or children and that is why this diary did not work out.

DOCUMENTARIES

- PILOTENMASKER
- STIL WATER

CASE STUDIES

- MAGGIE'S CENTER
- PRINSES MAXIMA CENTRUM
- BUURTZORGPENSION

LITERATURE STUDY

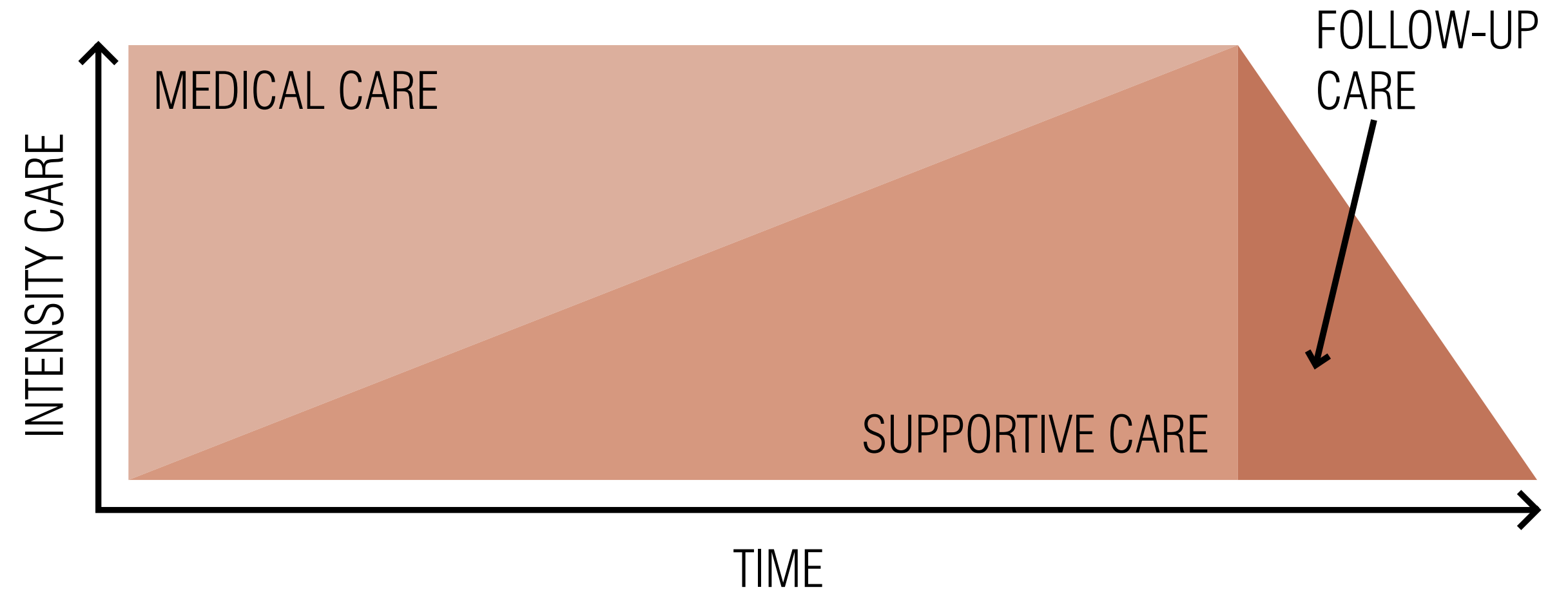
- HEALING ENVIRONMENT FOR CHILDREN

Goal

The goal of the research is to formulate design guidelines which will help (future) architects to design child- and parent-centered healthcare environments. These healthcare environments are especially for children whose parents are not able to take care of them at home or for children who are sent home anyway while they are still too sick.

Research: Conclusions

- Nowadays when a child is too ill to stay at home, however, too well to stay in the hospital, the child is sent home anyway.
- To the extent that medical care in, for example, hospitals decreases, supportive care will increase.
- Concentrating the medical care for children whose parents are not able to take care of them at home or for the children who are sent home anyway while they are too sick, would be a solution.
- Research has shown that the concept healing environment a big influence has on the optimisation of healthcare facilities. Nine aspects are compiled to ensure that an optimisation of healthcare facilities is possible
- By doing research, it was possible to compile a set of guidelines, which will also contribute to an optimisation of healthcare facilities.



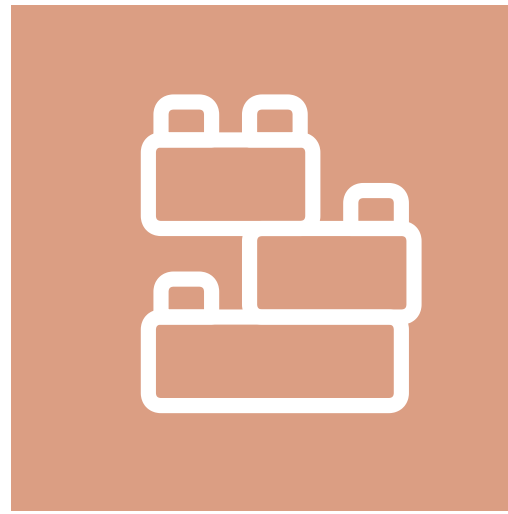
Research: Conclusions

Site



Playground nearby

Program



A play area / playground

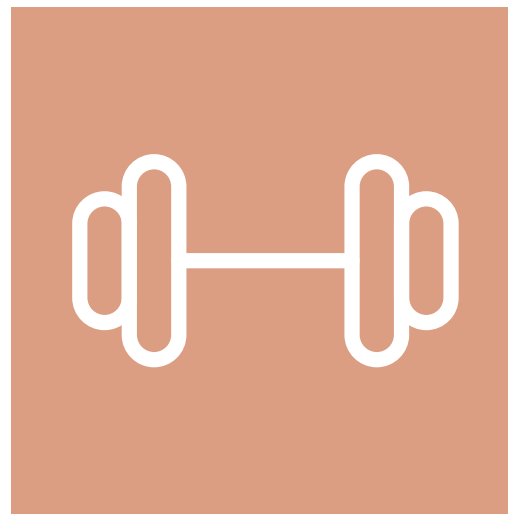
Design



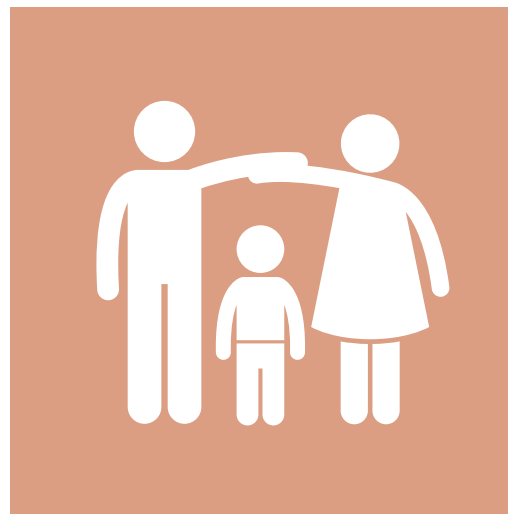
Views of greenery



Accessible



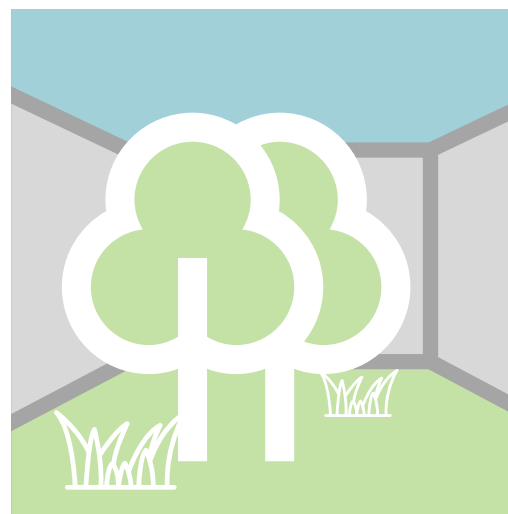
A sport/exercise facility



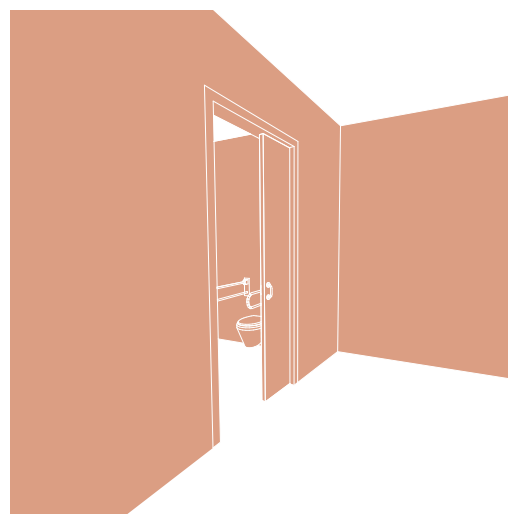
Ensure that parents are always able to be close to their children



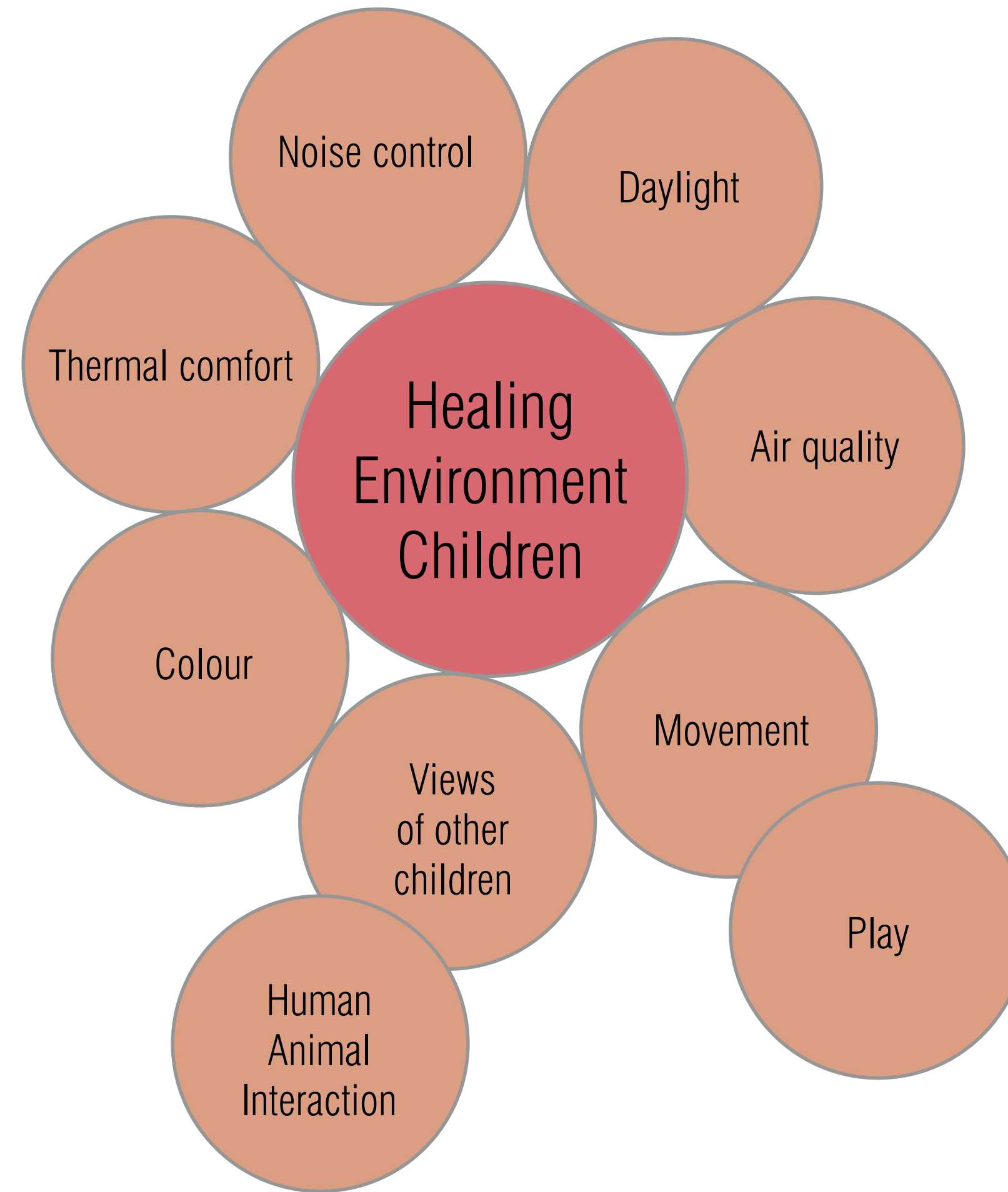
Children's farm nearby



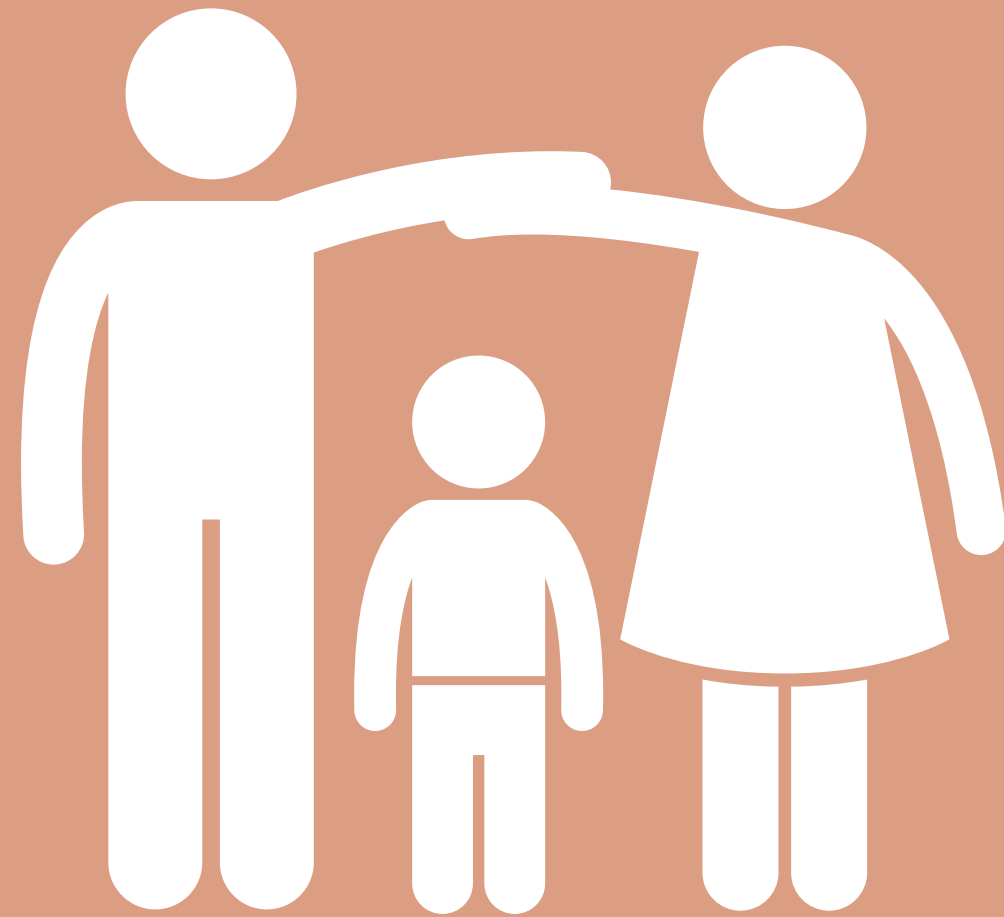
A courtyard/outdoor space



The use of a sliding door to the bathroom



Social relevance



By combining all the children who require medical care in one building, with the children's home care there to provide the care they need, there will be a lot of stress relief among parents. This in return will save money, because parents are able to work and need to see a specialist less often because they experience less stress.

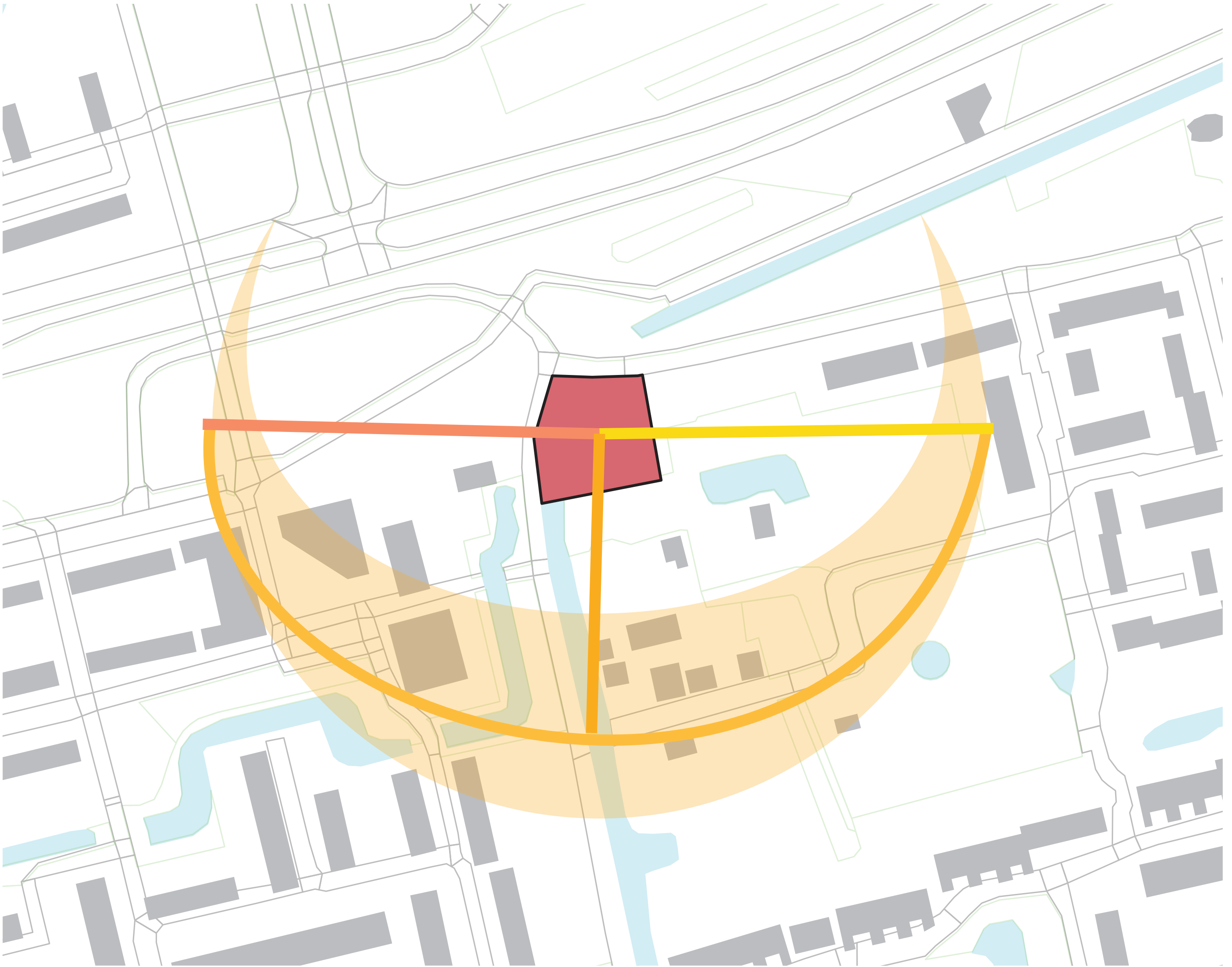
Also money is saved by combining all the children in one building, because the children's home care does not have to go from one house to the other house, but instead they can stay in one building and go to every room.

This is relevant because nowadays there is a shortage in healthcare personnel, and by combining the children in one building, there is less staff needed.




Tanthof

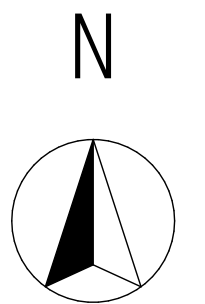


Site analysis

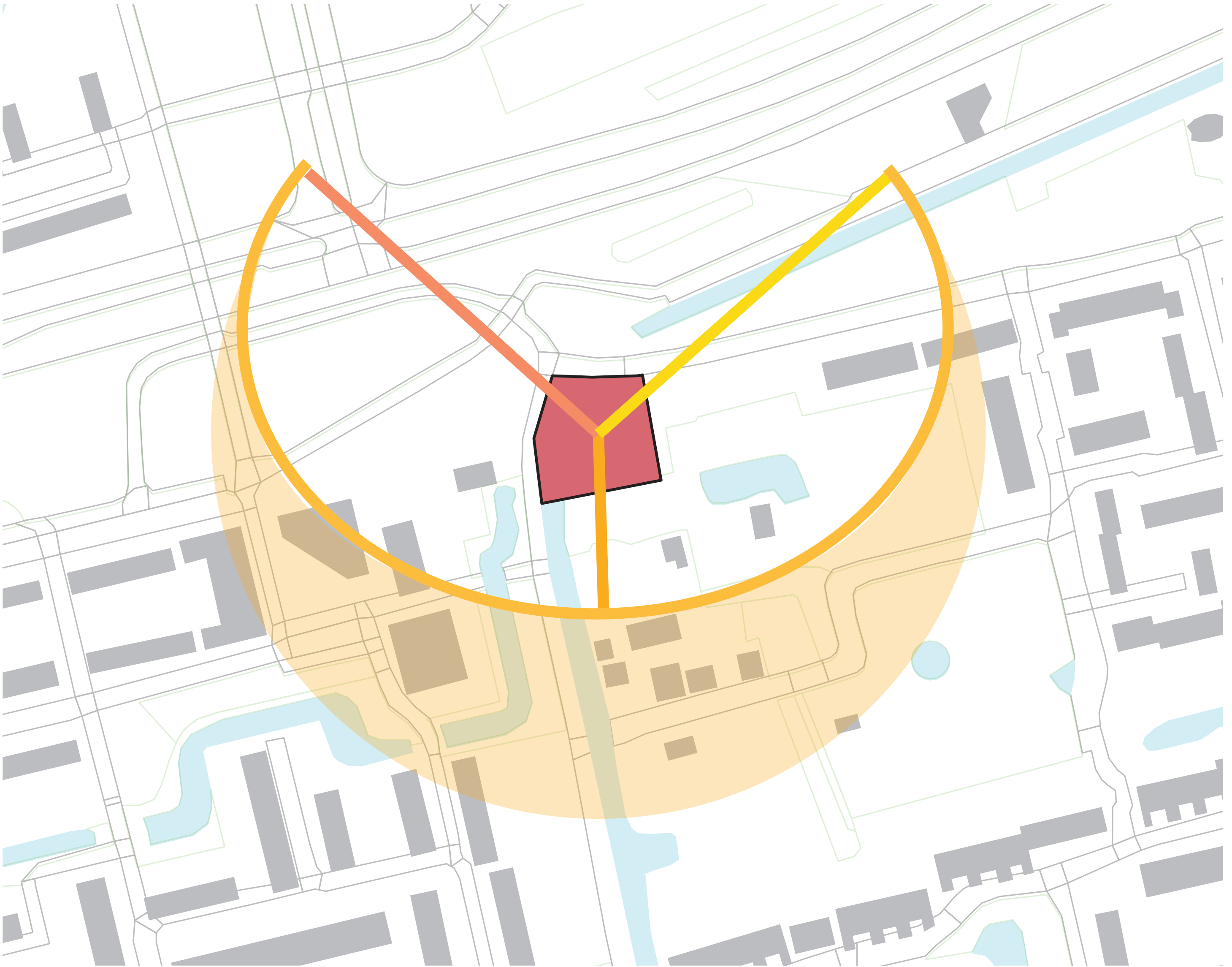


SUN STUDY - AUTUMN EQUINOX
This analysis shows the autumn equinox.




-  Sunrise
-  Solar noon
-  Sunset

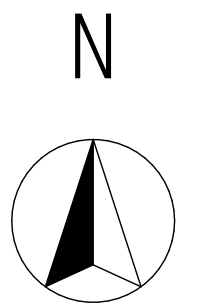


Site analysis

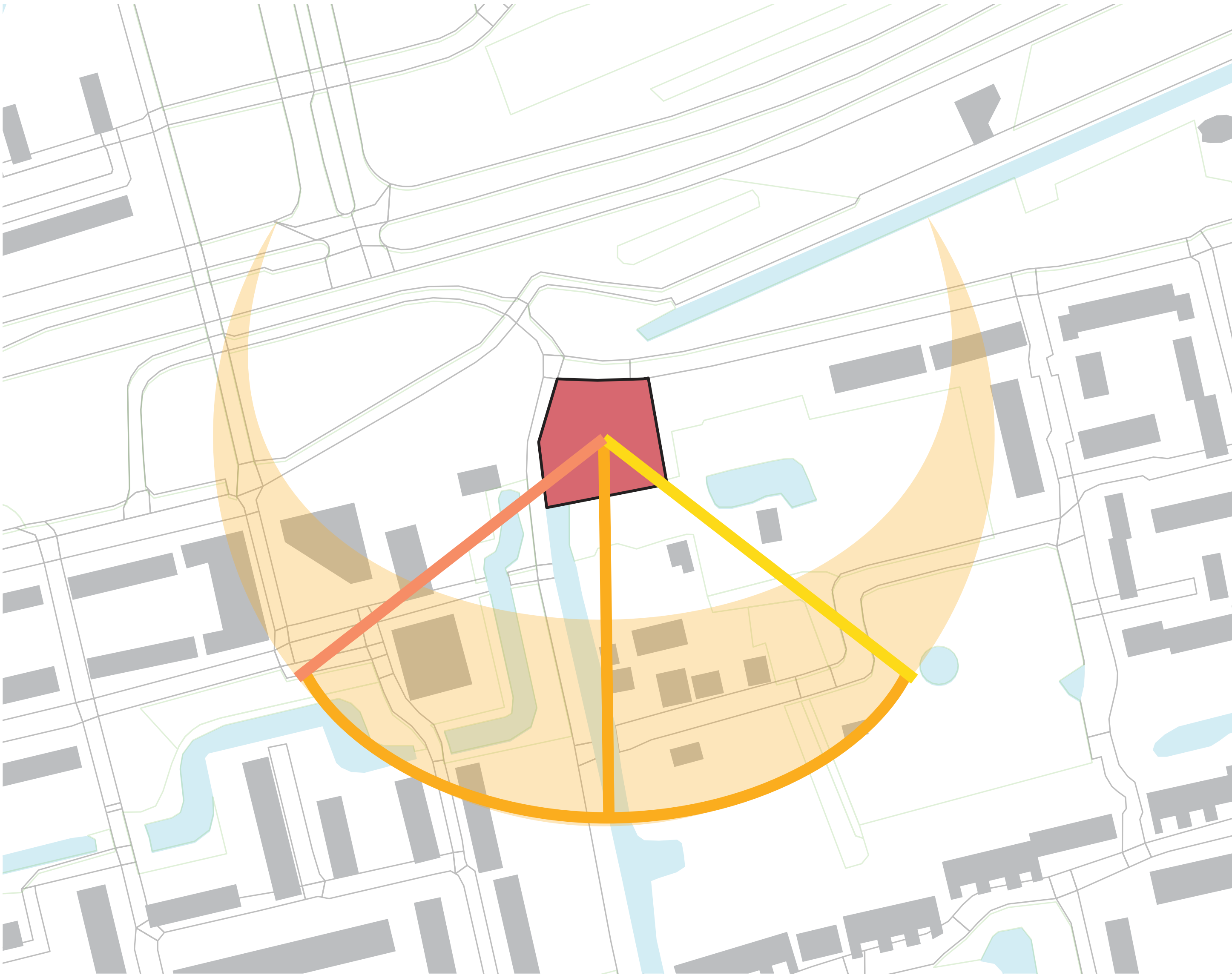


SUN STUDY - SUMMER SOLSTICE
This analysis shows the summer solstice.




-  Sunrise
-  Solar noon
-  Sunset

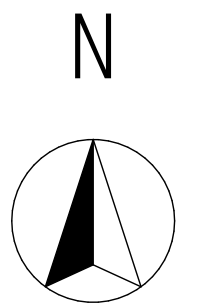


Site analysis

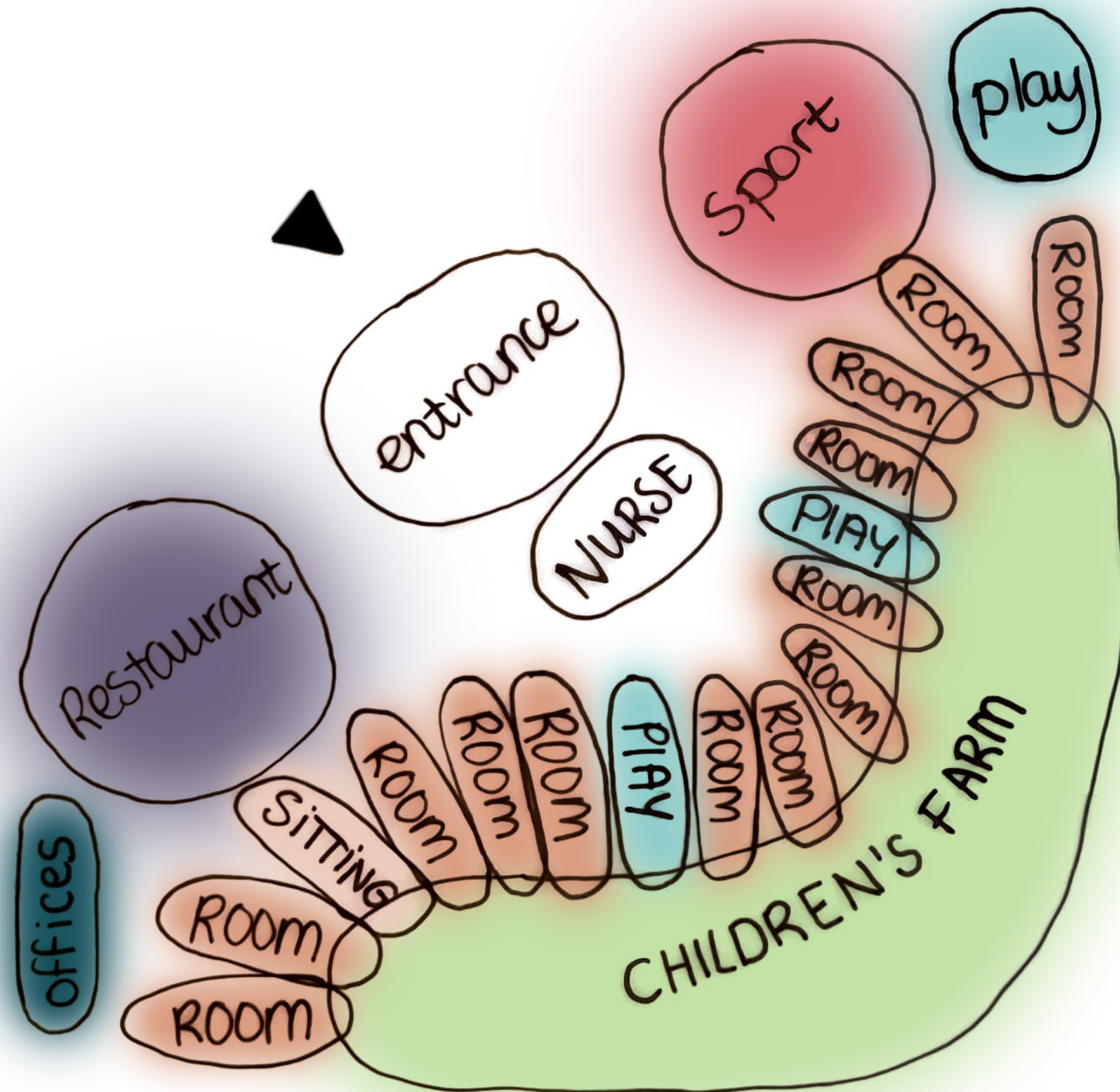


SUN STUDY - WINTER SOLSTICE
This analysis shows the winter solstice.

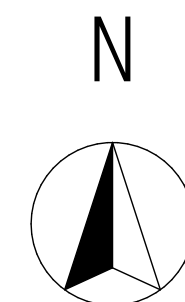
-  Sunrise
-  Solar noon
-  Sunset



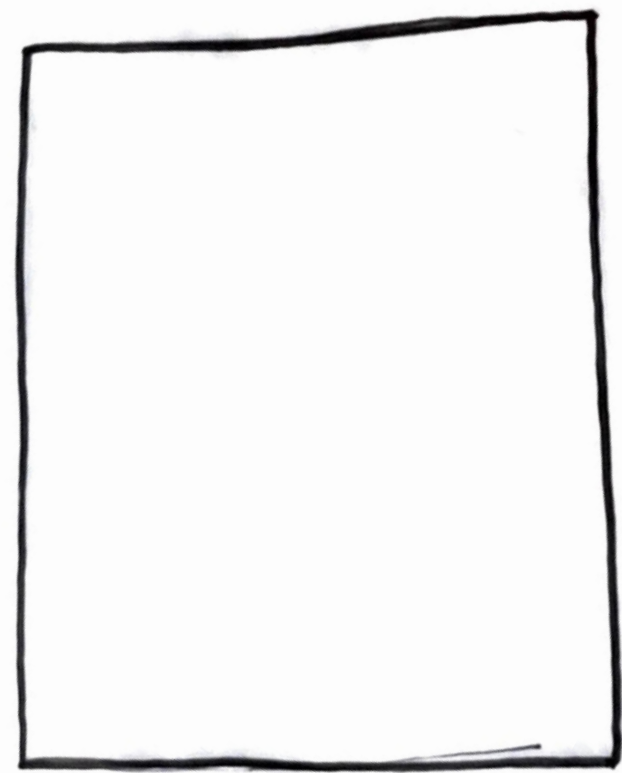
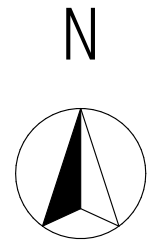
Program



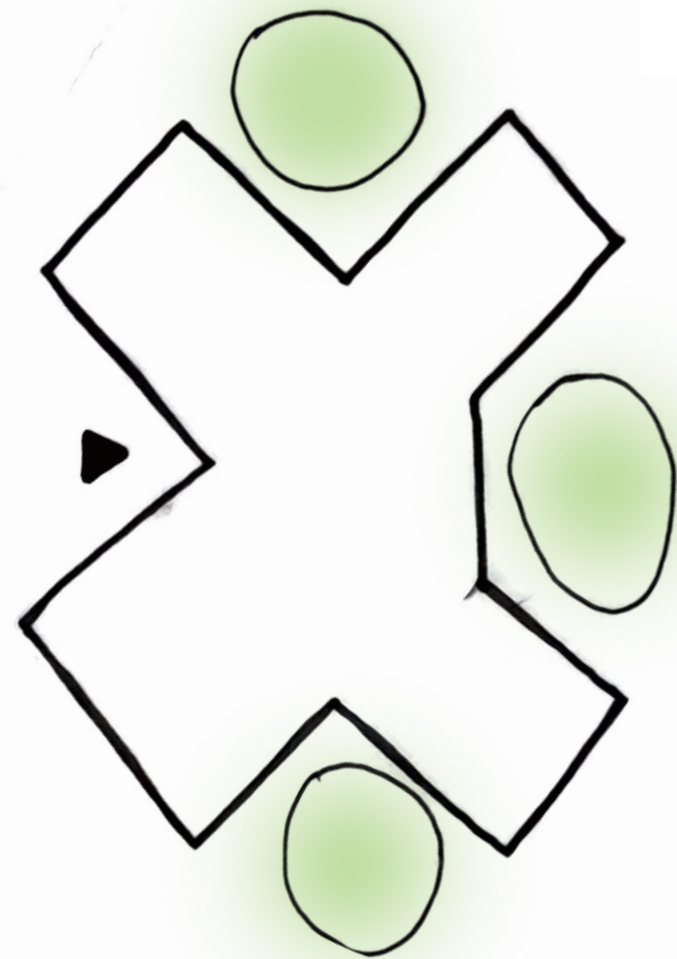
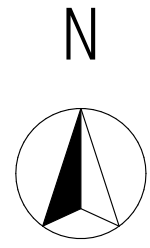
- RESTAURANT
- SPORT FACILITY
- ROOMS
- SITTING AREA
- CHILDREN'S FARM
- PLAY AREA
- OFFICES/COUNSELING



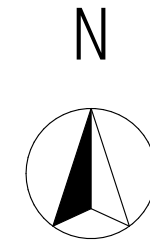
Design steps



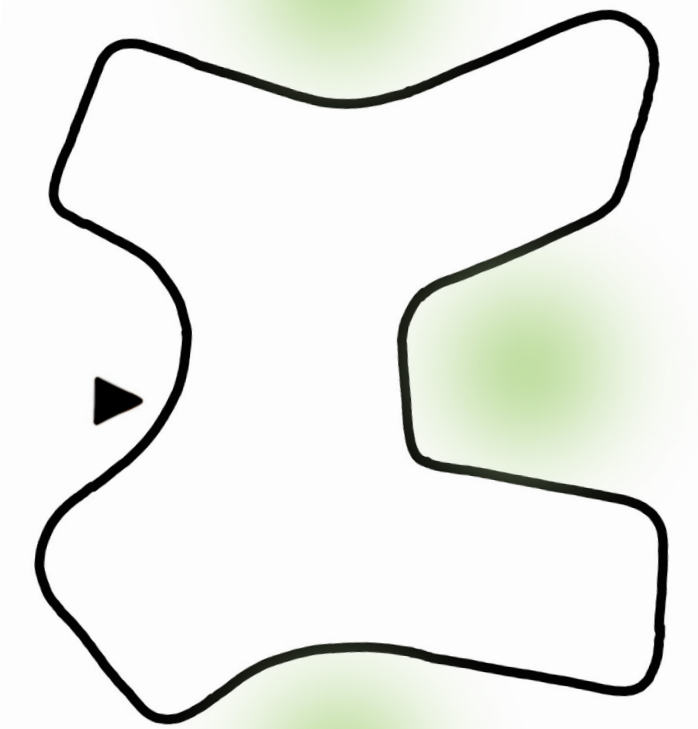
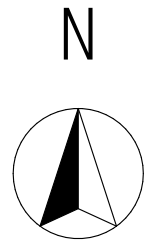
ONE MASS



CREATING OUTDOOR SPACES



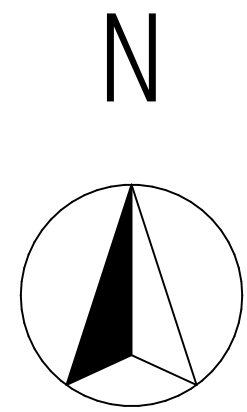
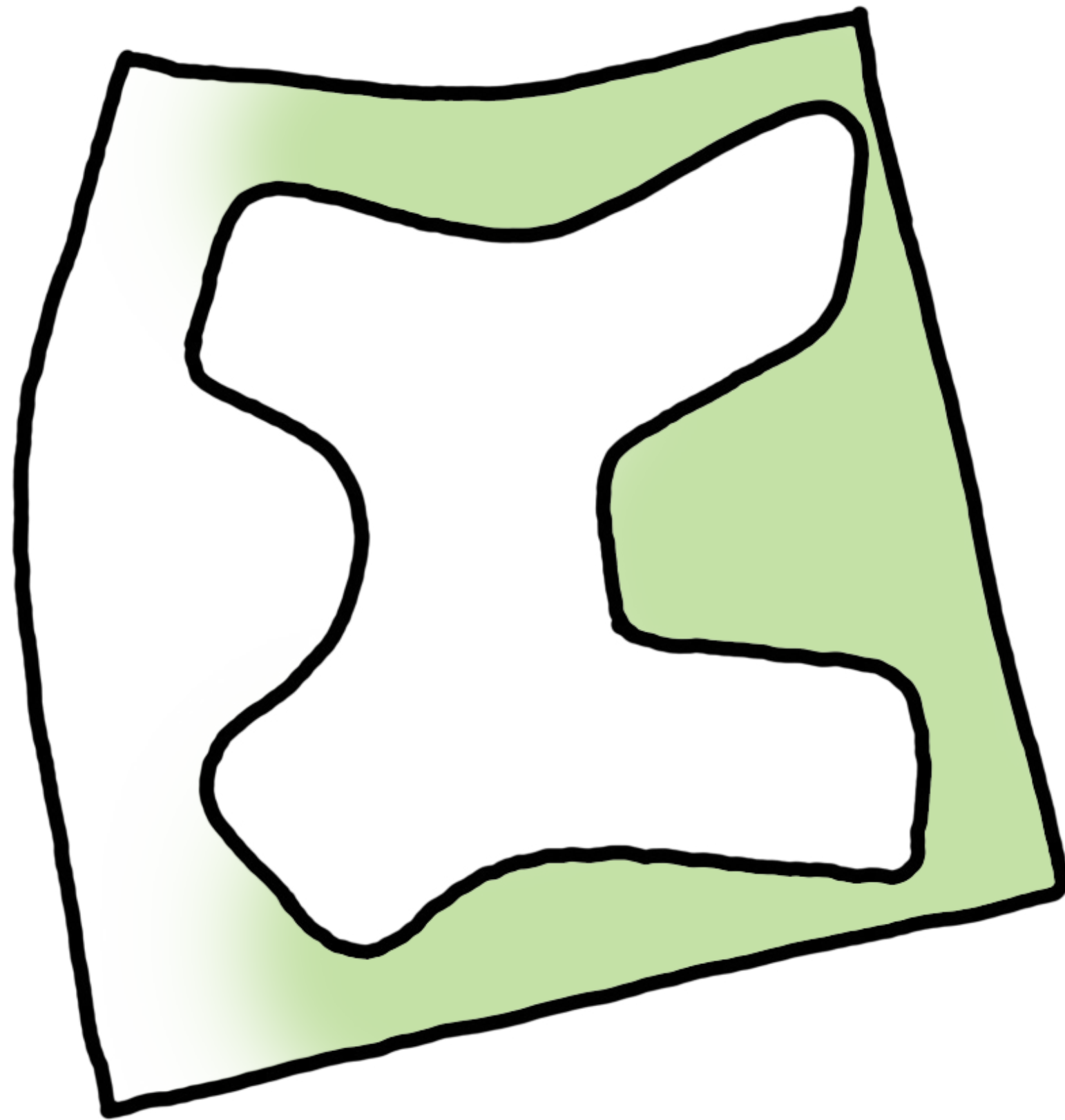
ROUNDING THE EDGES



ENSURING PRIVACY

Argumentation

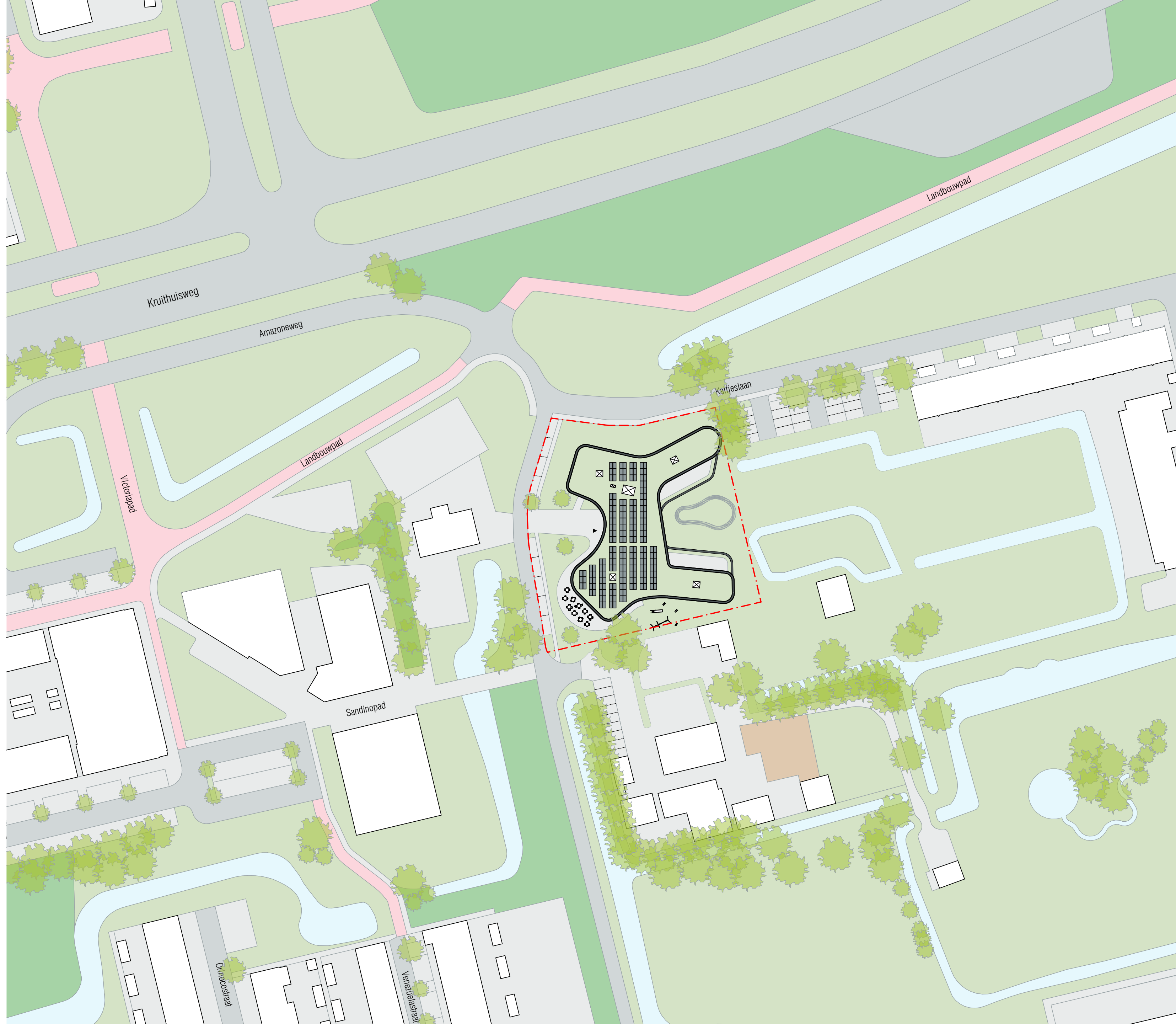
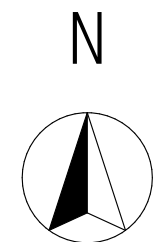
ORGANIC MASS



- Not defined by building line
- Compact building
- Strong own character
- Short walking lines
- Several ambiances can be created in the outdoor spaces

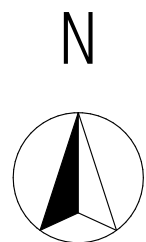
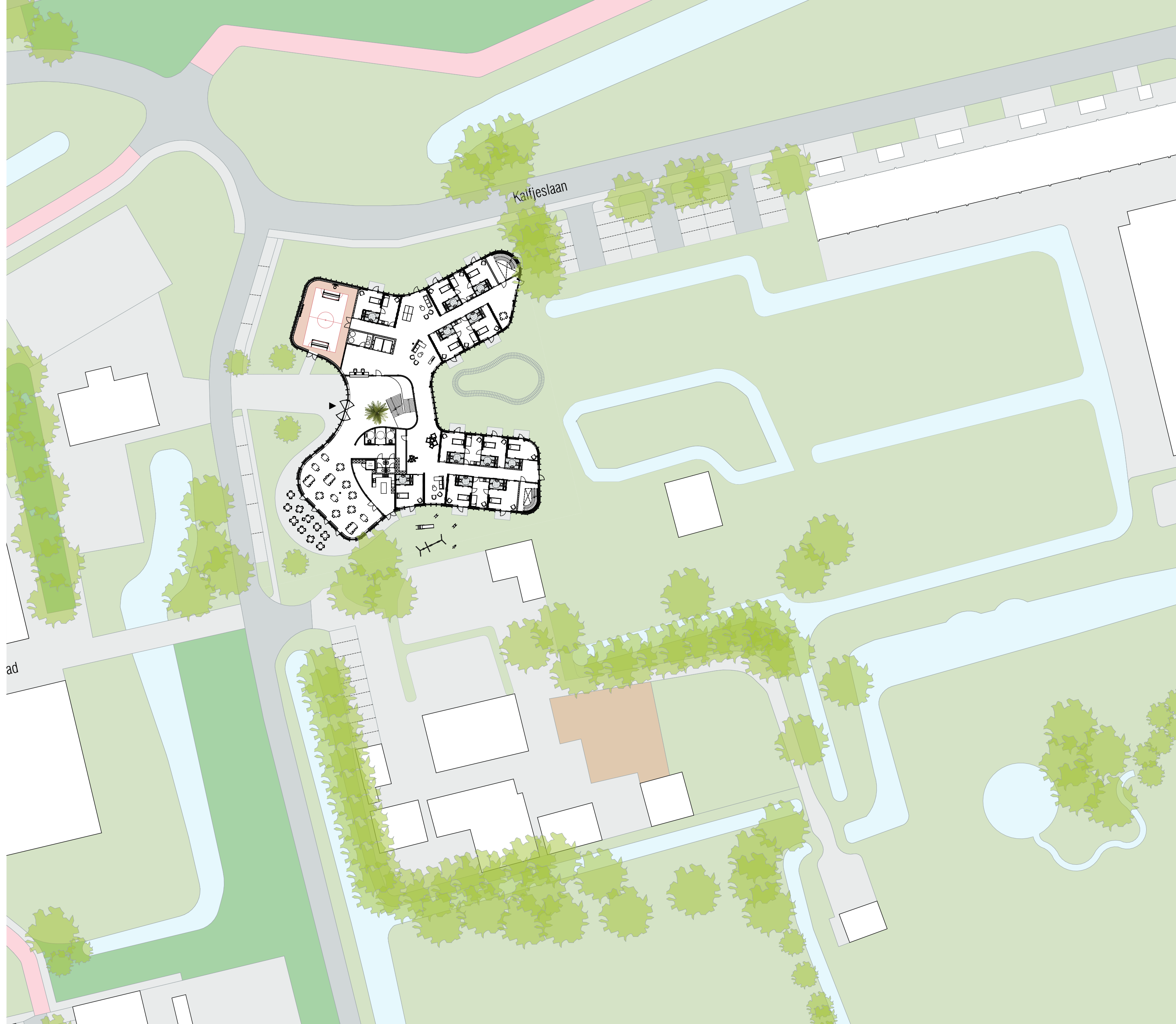
Situation site

1:1000



Situation site

1:500



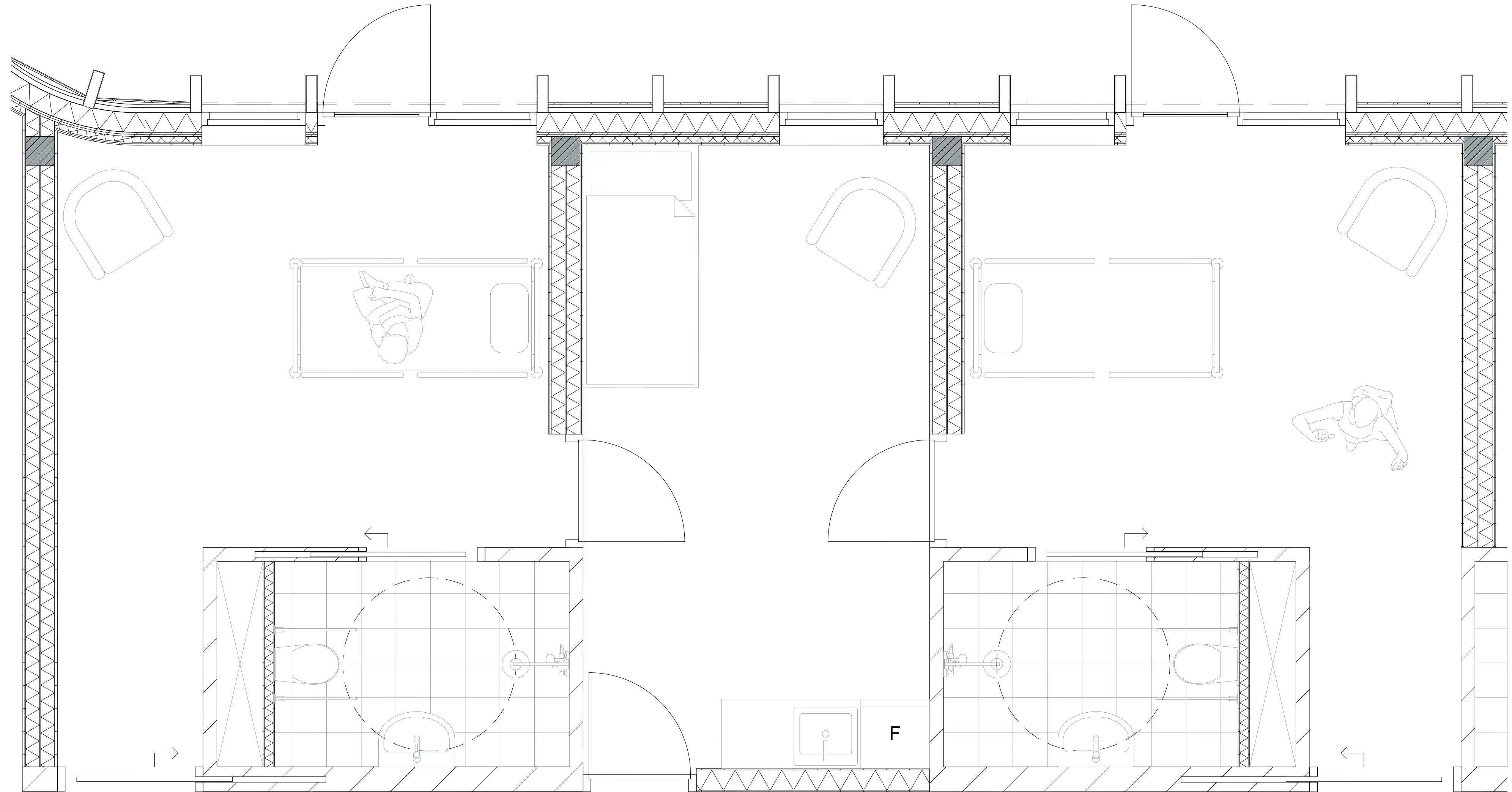
Floorplan



Floorplan



Unit















Thank you for your attention!