

Country / City	Brazil/ Brasília
University / School	University of Brasília/ Faculty of Architecture and Urbanism
Academic year	1/2017
Title of the project	Shore and City: The lake for a contemporary Brasília
Authors	Luisa Correa de Oliveira



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

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TECHNICAL DOSSIER

Title of the project	Shore and City: The Lake for a Contemporary Brasília
Authors	Luisa Correa de Oliveira
Title of the course	Undergraduate Final Paper in Architecture and Urbanism
Academic year	1/2017
Teaching Staff	Giselle Chalub Martins
Department/Section/Program of belonging	Department of Projects, Expression and Representation/ Architecture and Urbanism Program
University/School	University of Brasília/ Faculty of Architecture and Urbanism

Written statement, short description of the project in English, no more than 250 words

The project is located in Brasília, the well known modernist city which then carries within its urban morphology the legacy of a rationalist and automobile-oriented design approach. My proposal is an urban renovation that aims the understanding and the occupation of the city in a more sensitive way, through the urban sprawl repair method. The main goal is to intersect a smart city growth together with heritage and environmental preservation.

The specific site in which the project takes place is the South Sports Club Sector, located in a privileged area of Brasília. Its current condition of underutilization and urban landscape fragmented by large voids, made the place just perfect for a proposal of experimental urban occupation, aiming to question and to discuss urban design in Brasília.

Specifically, the master plan is composed by projects of roads and sidewalks requalification, implementation of rainwater harvesting and drainage systems, a new proposal for zoning, land use and occupation, new housing blocks and typologies, and landscape design.

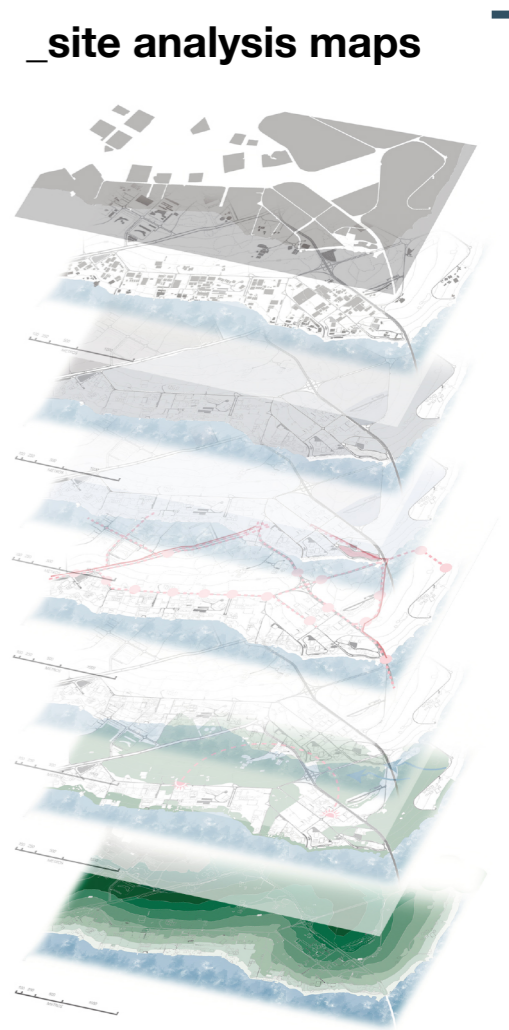
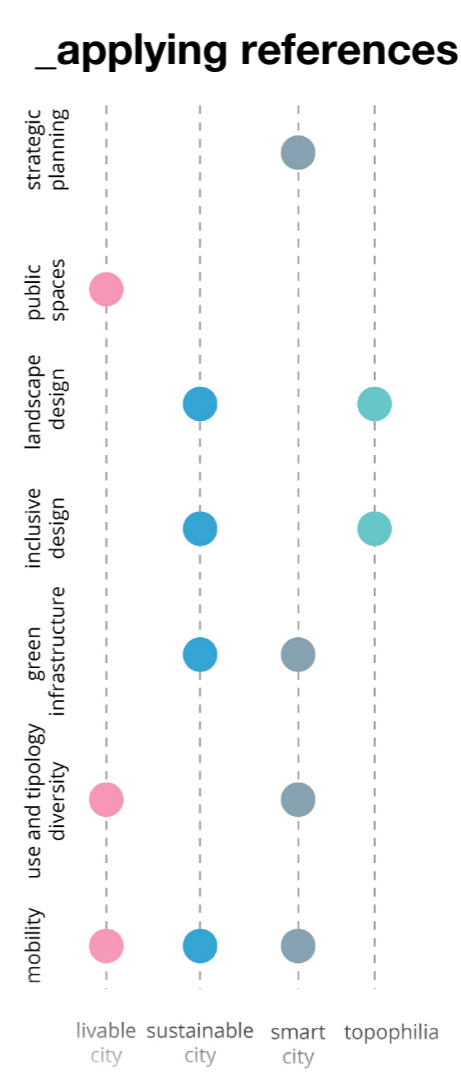
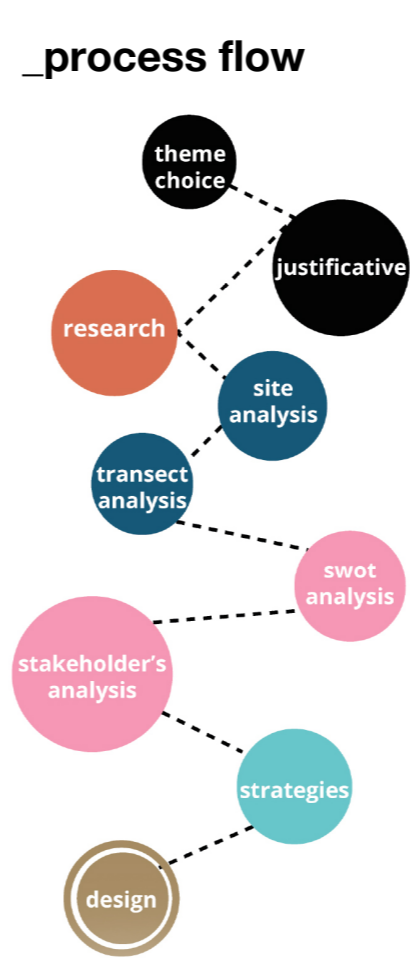
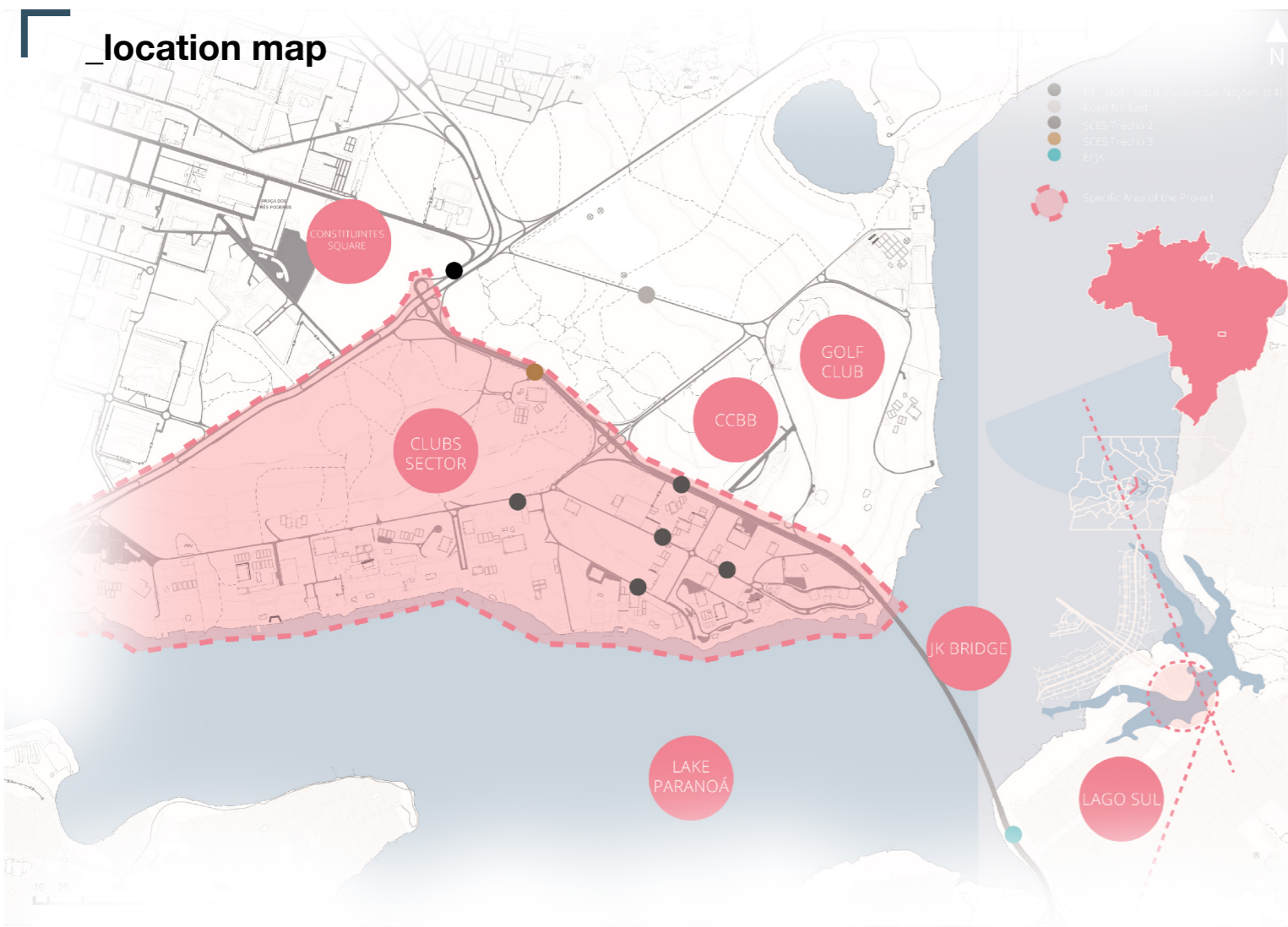
For further information

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After all the data collection, the analysis was summarized in a graphic form in one map of problems and another of potentialities. These two maps were the starting point for the SWOT and the stakeholder's analysis, providing an in depth study of all conditions divided in environmental, social and urban form aspects. From the analysis, the concepts, the guidelines and the vision were created. After, followed a timeline with all the projects and policies that support them, guiding the implementation and empowering the master plan.

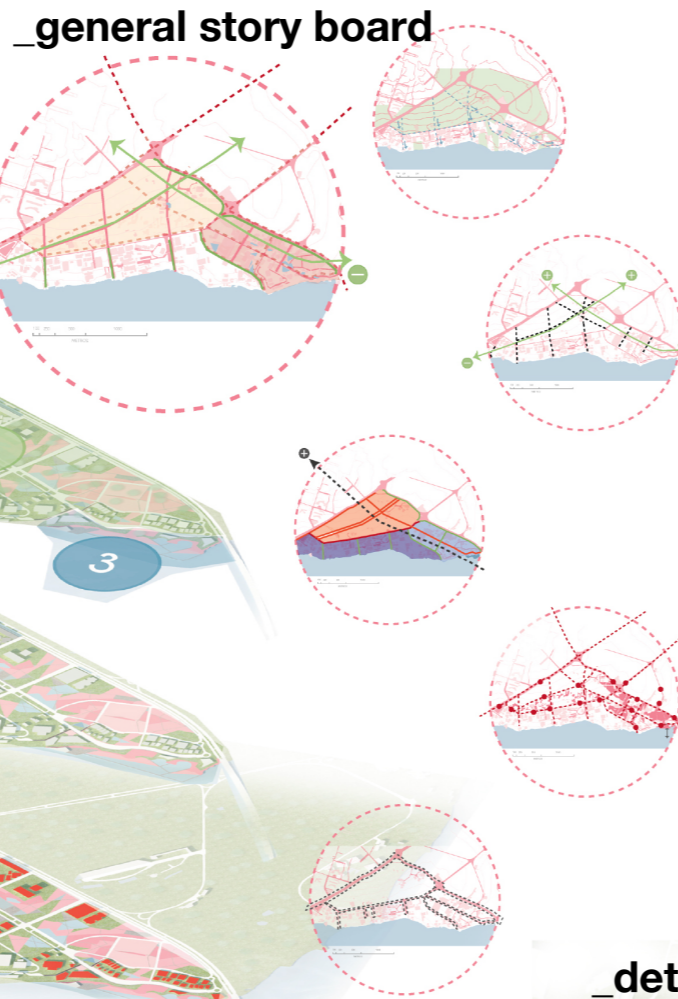
The final proposal presents two general main typologies of houseblocks, well defined floor paving and landscape design (the pink in the drawing is part of its representation), new roads and requalification of existing ones. A big effort was made to maintain the existing buildings and incorporate them to the project.

_general story board

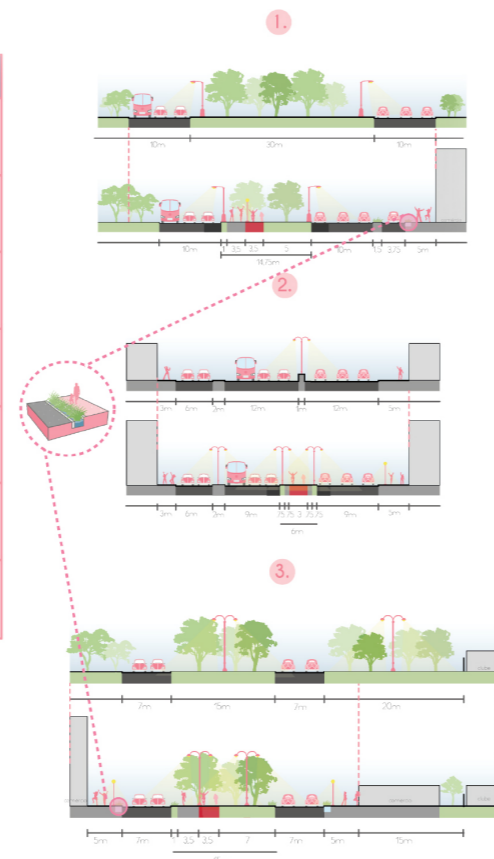
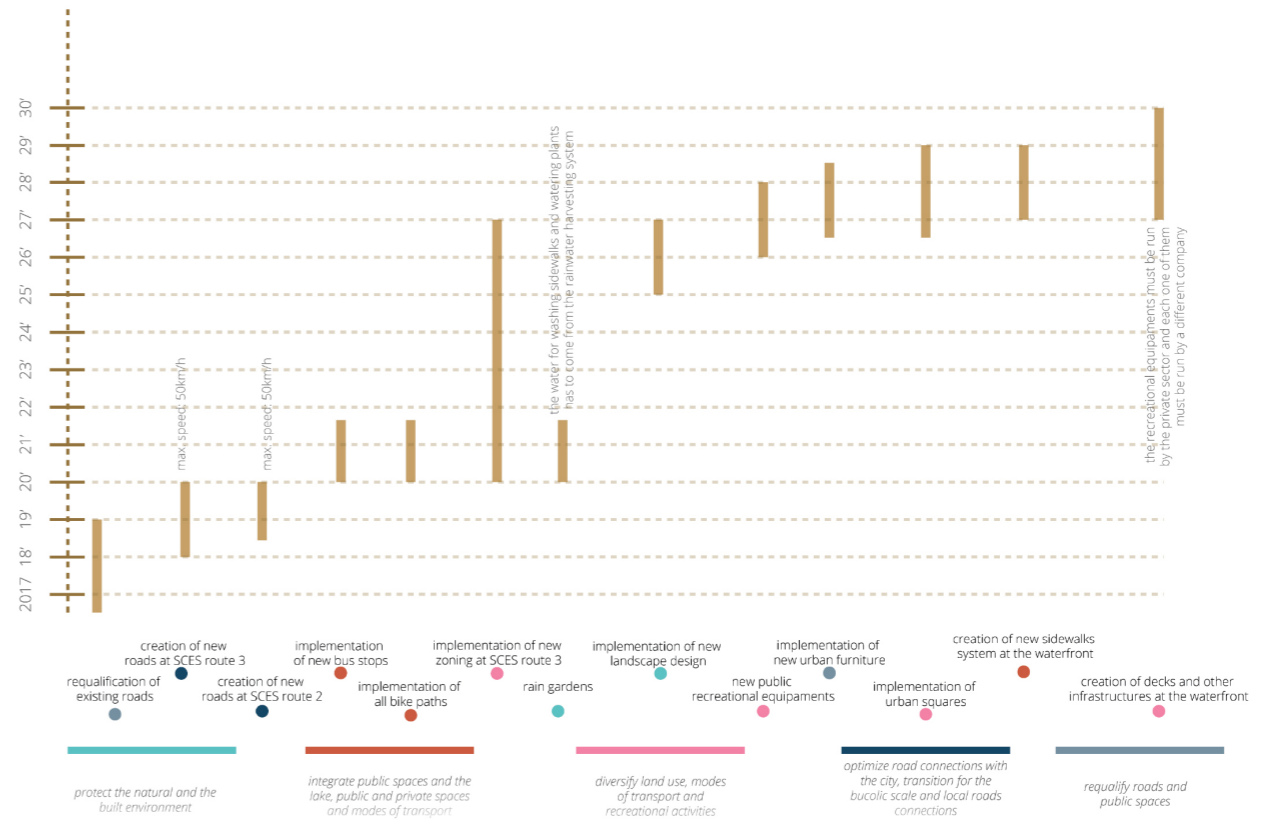
_division in 3 different detailing scales

_the heights

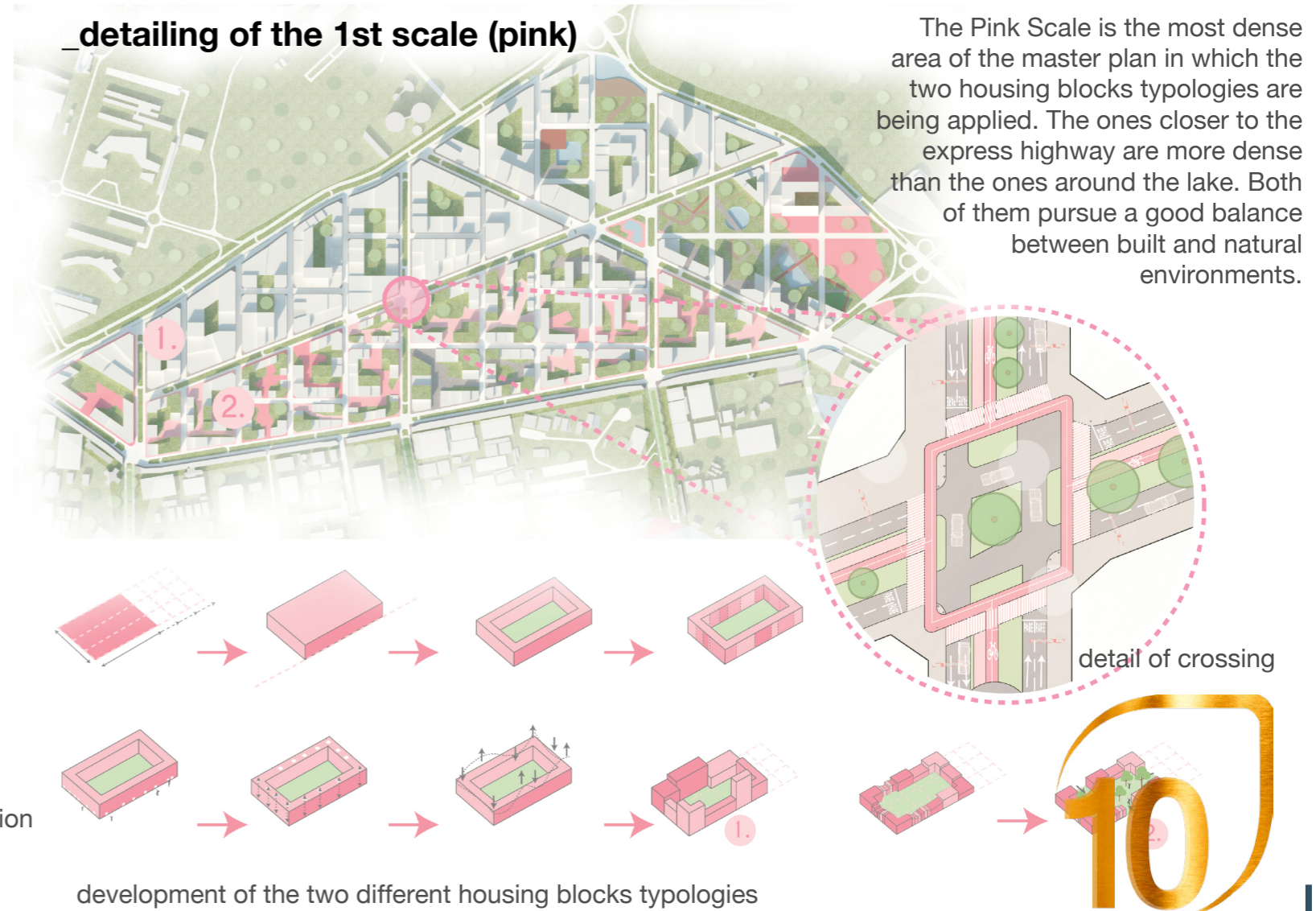
_land use and occupation



_projects and policies implementation timeline



_detailing of the 1st scale (pink)

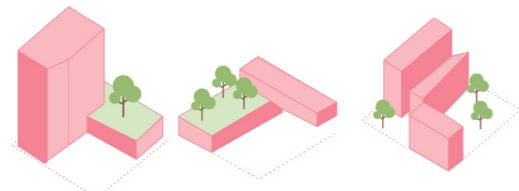


The Pink Scale is the most dense area of the master plan in which the two housing blocks typologies are being applied. The ones closer to the express highway are more dense than the ones around the lake. Both of them pursue a good balance between built and natural environments.

_construction parameters

Lot area and distances	Characteristics of the building types	Parameter	No. of households/commercial rooms
From 1990m ² to 6500m ² When the back of the lot is not facing the green patio, distance retreat of min. 20mts.	Mixed Use I* - Commercial (Stores) - Commercial (Offices) - Equipments (Educational) - Residential	From 4 to 5 floors. T.O. from 100% to 65% C.A. from 3,6 to 5	From 60 to 160 households From 30 to 80 commercial rooms (stores, offices and equipments)
From 1053m ² to 4240m ² When the back of the lot is not facing the green patio, distance retreat of min. 20mts.	Mixed Use II* - Commercial (Stores) - Commercial (Offices) - Services (banks, mailing) - Residential	From 4 to 5 floors. T.O. from 80% to 65% C.A. from 3,41 to 5	From 24 to 96 households From 16 to 64 commercial rooms (stores, offices and services)
From 400m ² to 5092m ² When the back of the lot is not facing the green patio, distance retreat of min. 10mts.	Mixed Use III* - Commercial (Stores) - Services (banks, mailing) - Residential	From 3 to 4 floors. T.O. from 80% to 72% C.A. from 2,25 to 4	From 10 to 100 households From 6 to 60 commercial rooms (stores, offices and services)
From 390m ² to 2252m ² When the back of the lot is not facing the green patio, distance retreat of min. 10mts.	Mixed Use IV* - Commercial (Stores) - Residential	From 3 to 4 floors. T.O. from 100% to 75% C.A. from 3 to 3,55	From 10 to 50 households From 2 to 10 stores
From 465m ² to 2768m ² When the lot is facing other building, distance retreat of 5mt.	Residential I	Up to 3 floors. T.O. from 100% to 90% C.A. from 4 to 1,72	From 16 to 100 households
360 m ² When the lot is facing other building, distance retreat of 1,5mt.	Residential II	Up to 2 floors. T.O. from 100% to 91% C.A. from 2 to 1,83	Up to 4 households
From 360m ² to 600m ² Back retreat of min. 5 mts.	Commercial	Up to 2 floors. T.O. from 83% to 75% C.A. from 1,66 to 1,5	Up to 3 stores

* The typology does not need to have all the uses at the same time. They are all allowed and will occur as the city demands a building in this way or the other.



The different types of lots and parameters allow many combinations for the city buildings, creating the richness of diversity.

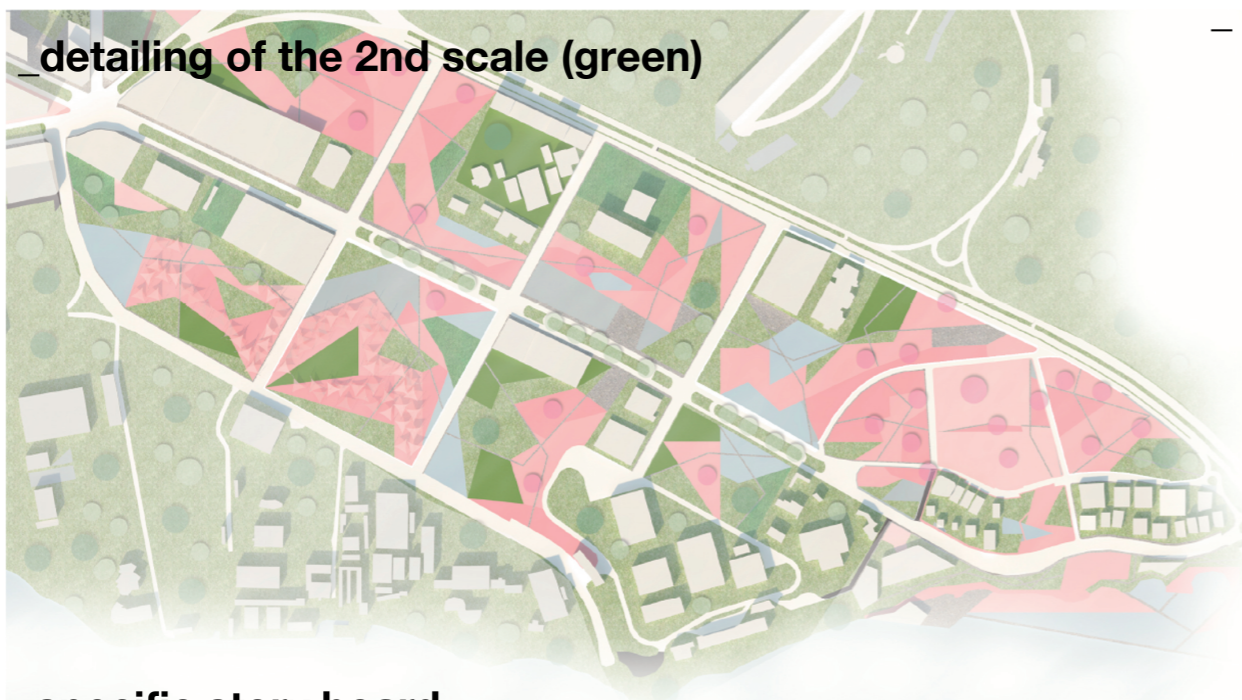
before and after of the roads' qualification with the rainwater harvesting detail

development of the two different housing blocks typologies

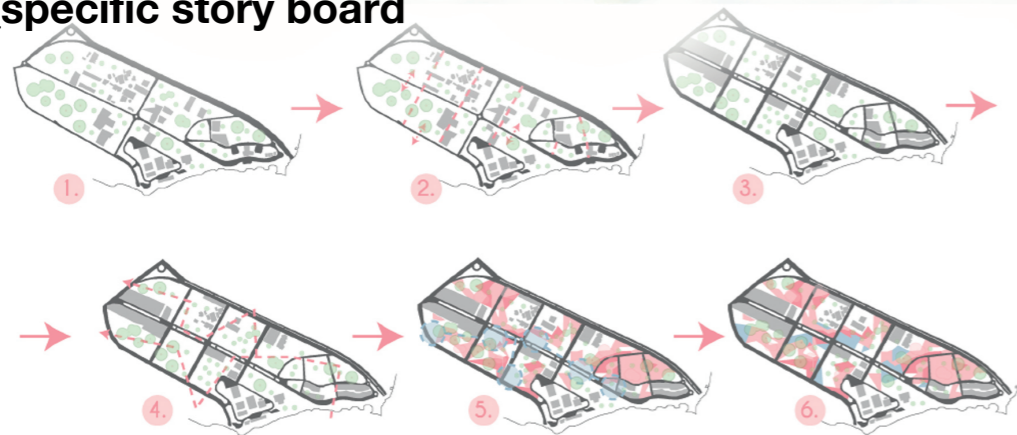
detail of crossing



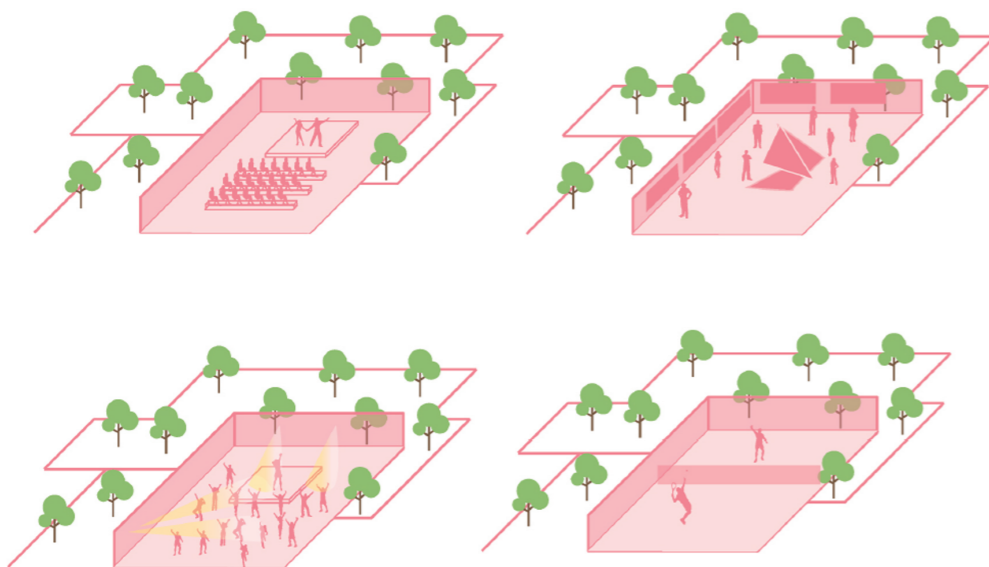
_detailing of the 2nd scale (green)



_specific story board

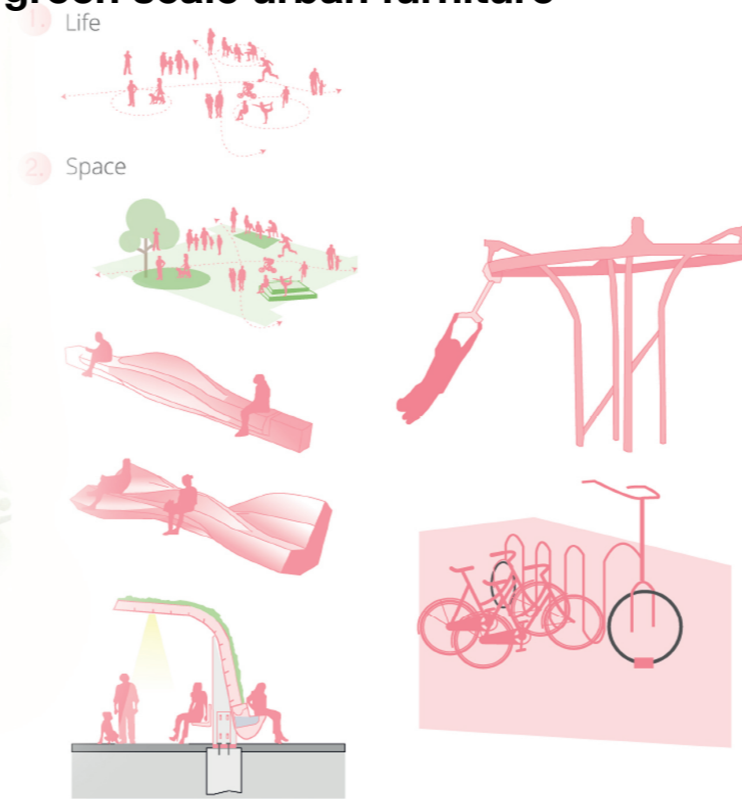


_pocket squares usages schemes



Combined with the linear park spread out across the whole area, small public spaces were created as well. The idea is to promote different usages aiming to explore the morphology of the space itself and the many possibilities it provides. Smaller spaces tend to be more inviting to people and therefore have more potential to be frequently used.

_green scale urban furniture



_blue scale urban equipments



_detailing of the 3rd scale (blue)



The final design contemplates areas for children and adults, a Nautical Sports School with a sightseeing terrace, food and commercial kiosks, sports court and multiuse spaces and the decks and swimming pools inside the lake. This scenario opposes to the previous existing one, marked by a fragmented landscape with super dimensioned parking lots, lack of shading, degraded urban furniture and no connection to the lake landscape.

Throughout the area, playgrounds with an unique design are installed, providing a special relationship between body, space and landscape. The idea is that people of different ages can interact with them, encouraging open-air fun and the integration with the Bucolic Scale of Brasília

_specific story board

