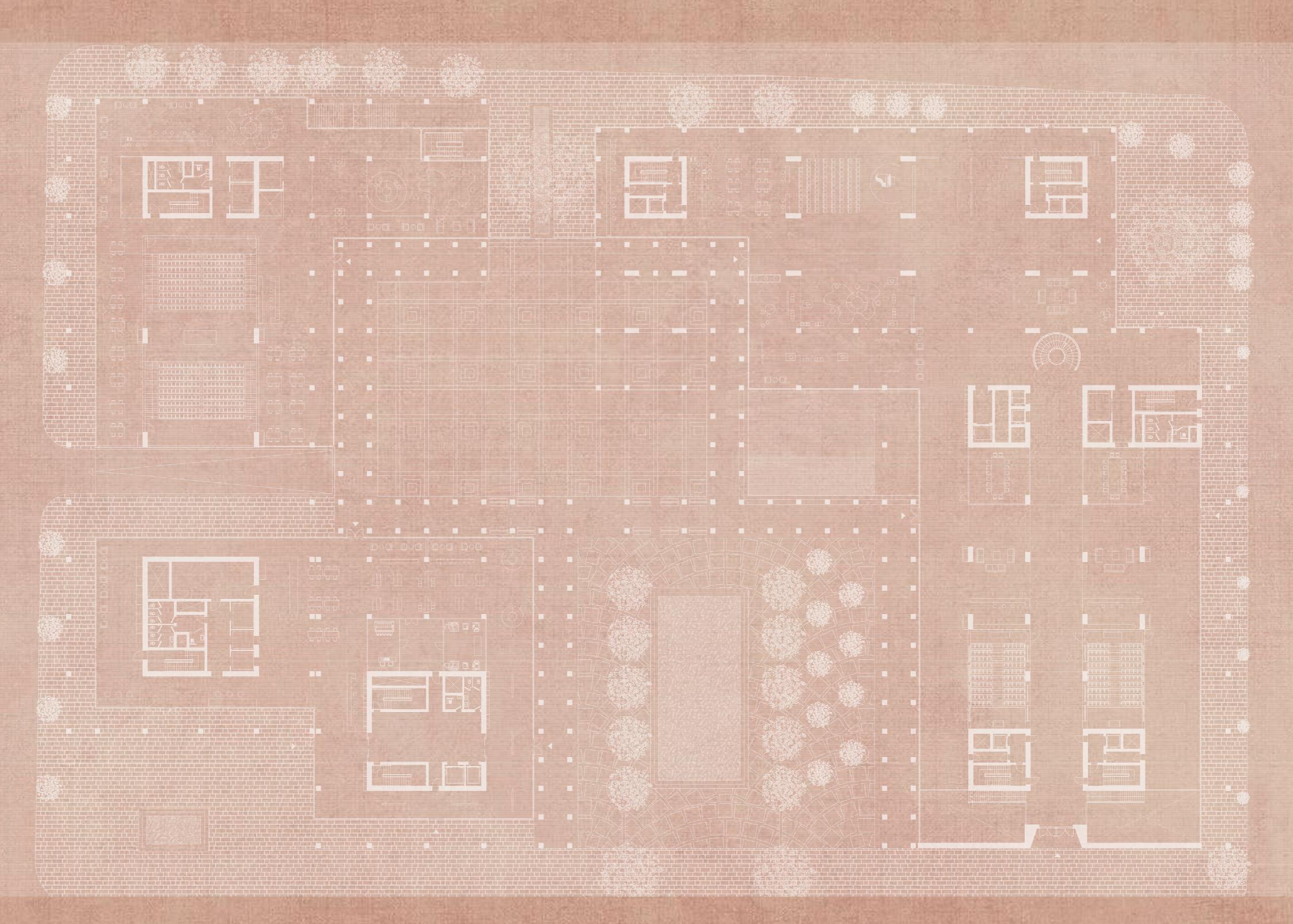
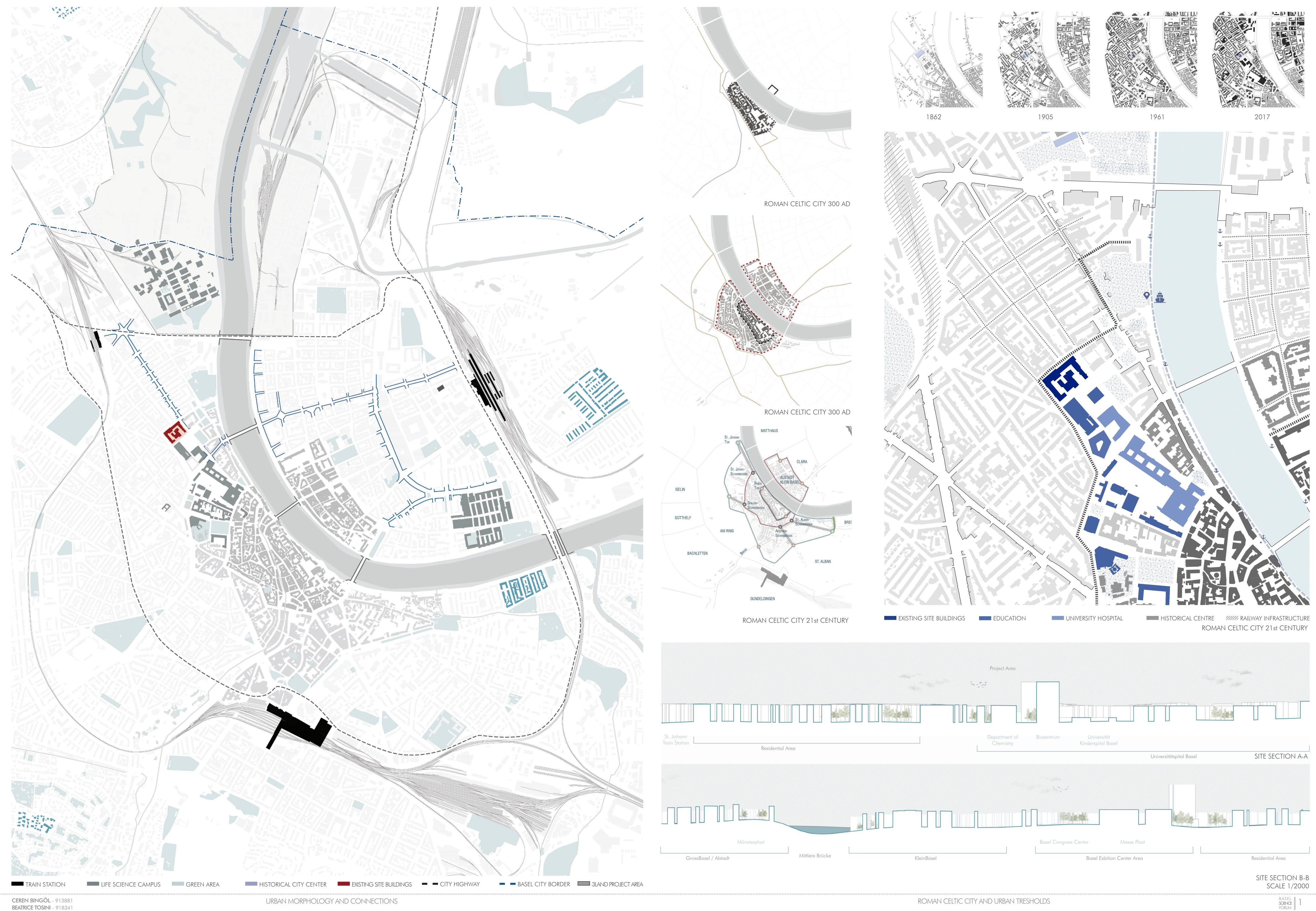
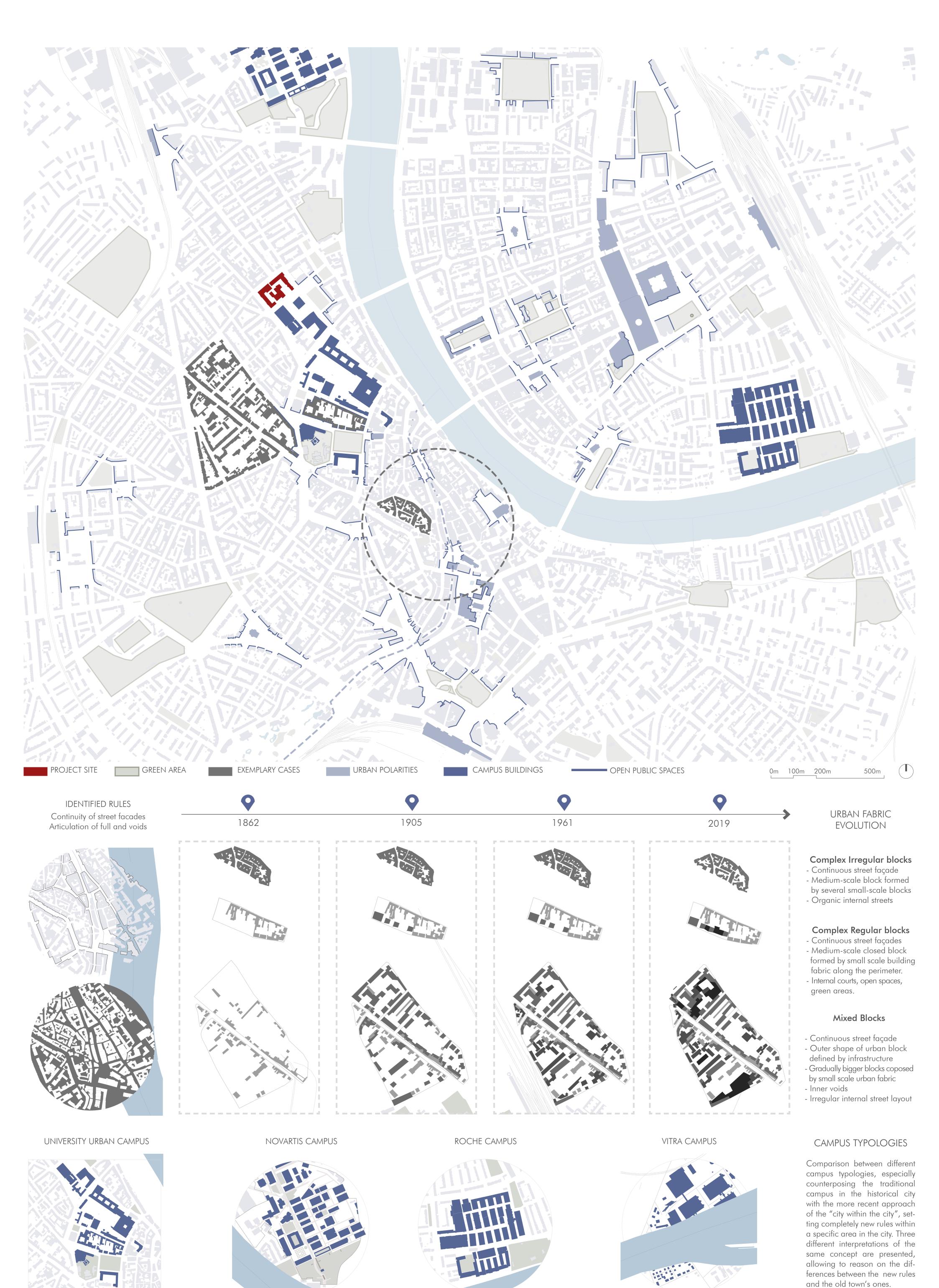
# BASEL SCIENCE FORUM

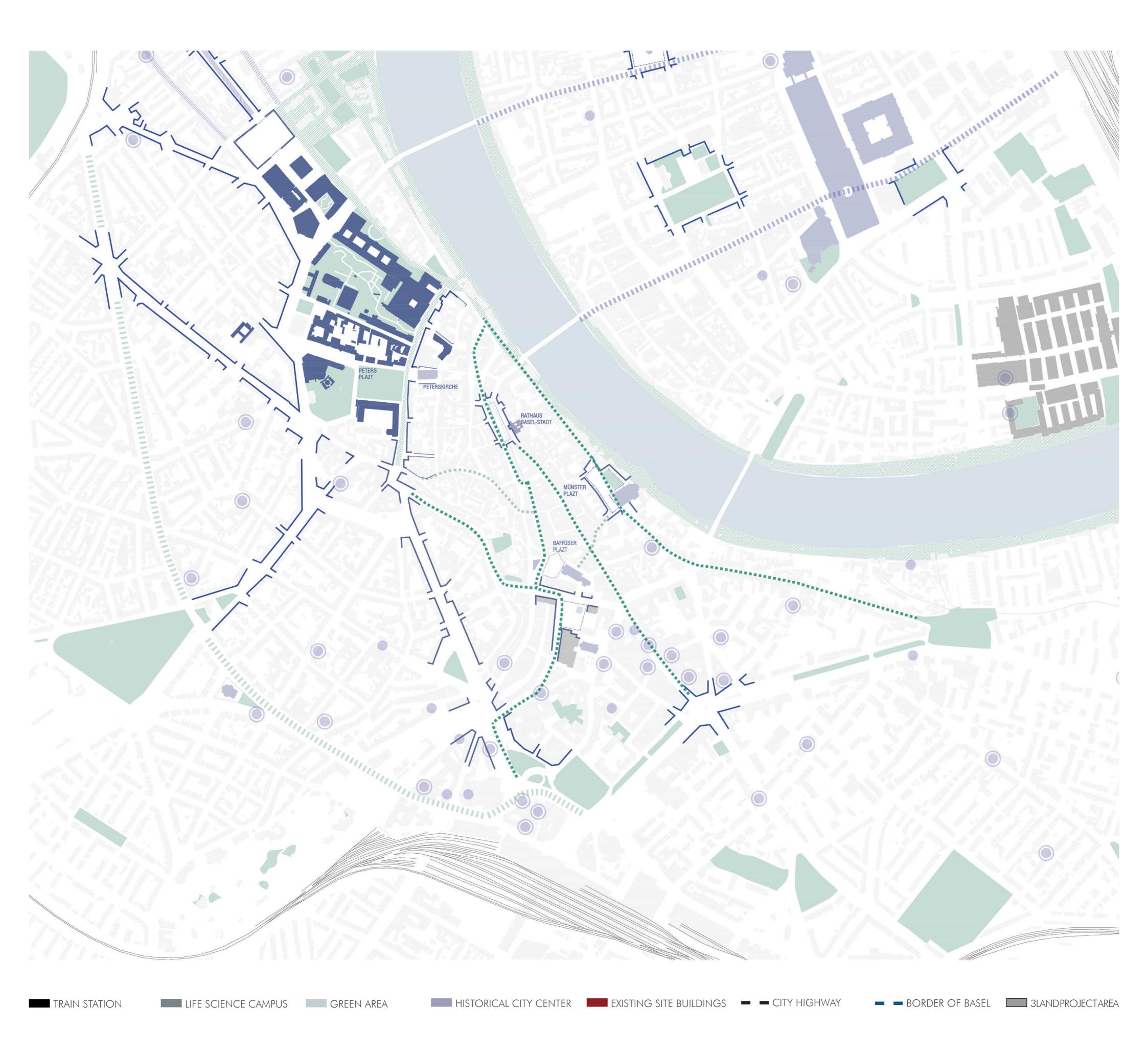
POLITECNICO DI MILANO | SCHOOL OF ARCHITECTURE, URBAN PLANNING AND CONSTRUCTION ENGINEERING | ACADEMIC YEAR 2019/2020 MASTER OF SCIENCE THESIS | STUDY PROGRAMME ARCHITECTURE - BUILDING ARCHITECTURE



BASEL SCIENCE FORUM









#### SECTORS IN BASEL CITY

The organic arrangement of the campus is mostly the result of specific geographic features of the plots. Open ground allows transferring the internal knowledge through all city with the help of social and economic interaction between different sectors.



LIFE SCIENCES - CHEMICAL SECTOR

MUSEUM



#### DYNAMIC INTERLOCKED SPATIAL CORIDORS

Diagonally interlocked spatial corridors from important connection points define the interaction network of campus in an urban context. Porous campus identity that includes social activities and spatial varieties can be associated with each principal sector, spaces of intensities, interactions, and exchanges strengthen the up-and-coming technological research community.



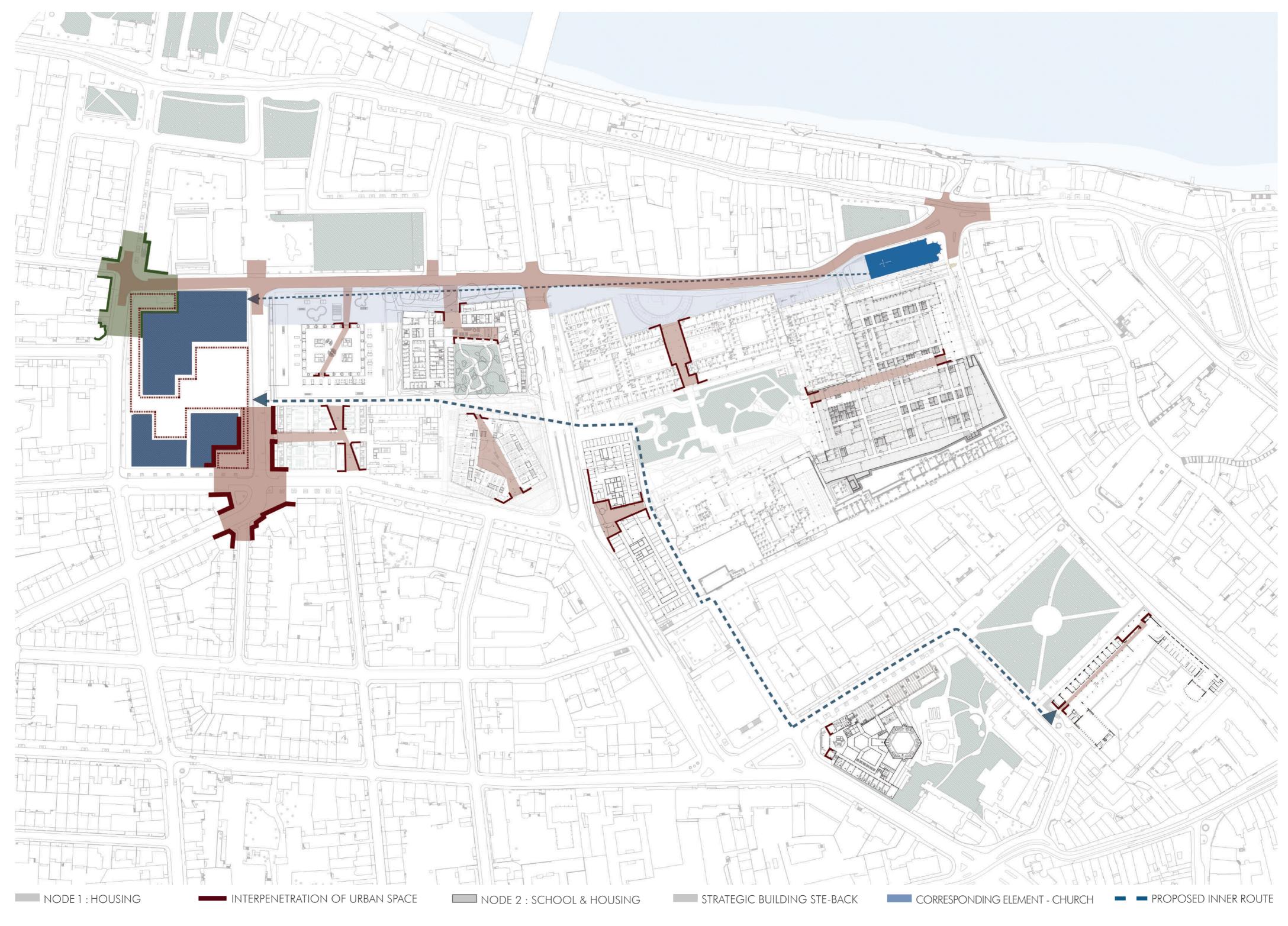
#### PROPOSED GREEN URBAN BELT

Social interaction route that is defined by plazas and curvilinear road scheme, connected with an green urban route. Dynamic open space integration that spread around the campus, enhance the importance of the urban catalyzer.

GREEN AREA

UNIVERSITY BUILDINGS

PROPOSED GREEN ROUTE

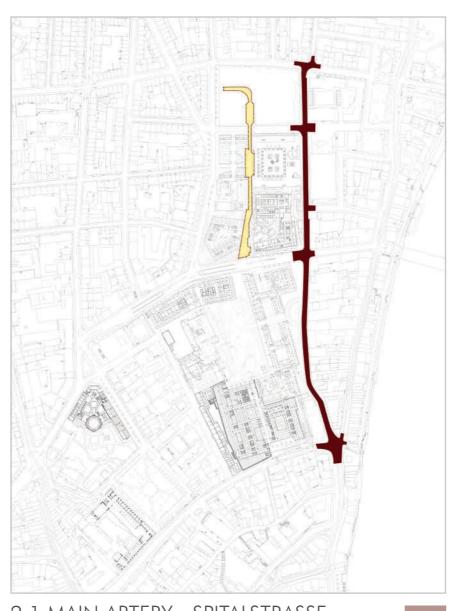




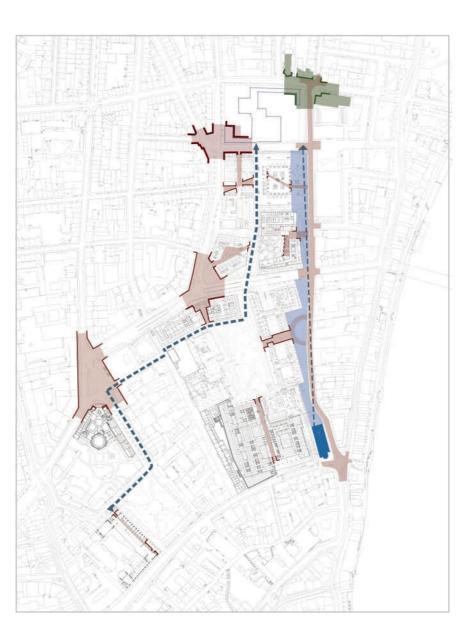
1. REAL ESSENCE OF URBAN FABRIC - 3 NODES
Relationship of campus buildings with the existing



5. PROPOSED PATH - CONTINIOUS FLOW
Defining a new path to relate the existing buildings of
the campus by enhancing a continuous flow through
the campus.



2.1 MAIN ARTERY - SPITALSTRASSE
2.2 UNDERGROUND LOGISTIC TUNNEL



6. STRATEGIC SET-BACK - PREDIGERKIRCHE Different role of mixed-use buildings and spatial interpretations.



3. SPATIAL INTEGRATION
Building organizations with the urban context



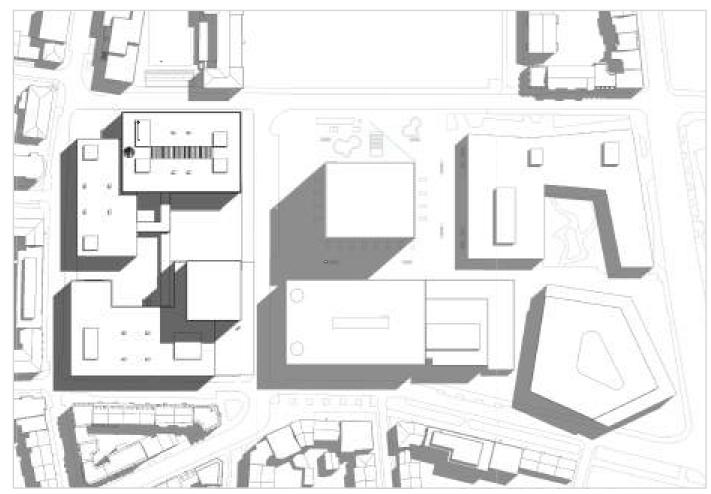
7. DESIGN PROPOSAL
Subdividing into blocks of the building to give the idea of public relation with the rest of the city.



3. INNER PATH
Campus organization in urban sequence



8. GREEN BELT INTEGRATION



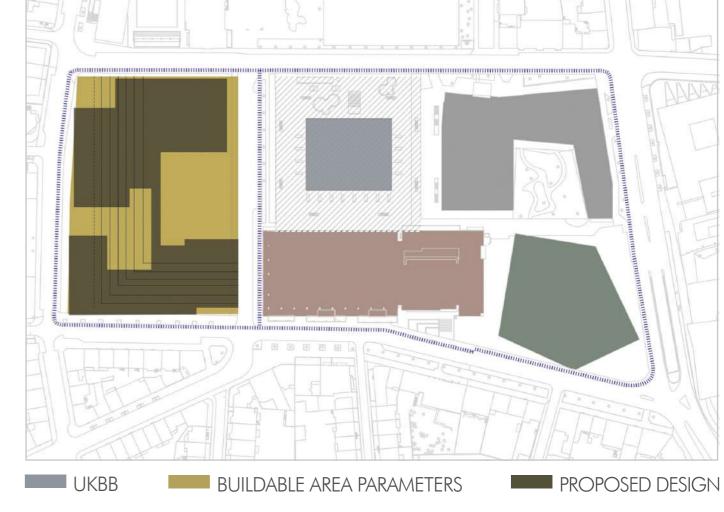
DESIGN PROPOSAL INTEGRATION

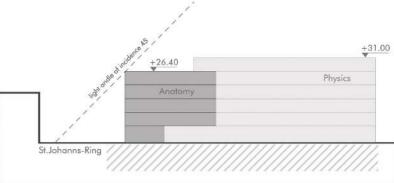


GIVEN VOLUME PERIMETER

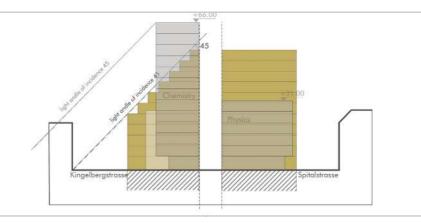
GIVEN VOLUME PERIMETER

ETH BUILDING PHARMAZENTRUM NEW BIOZENTRUM

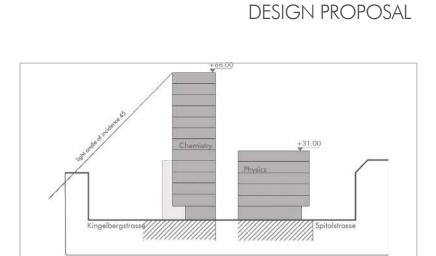




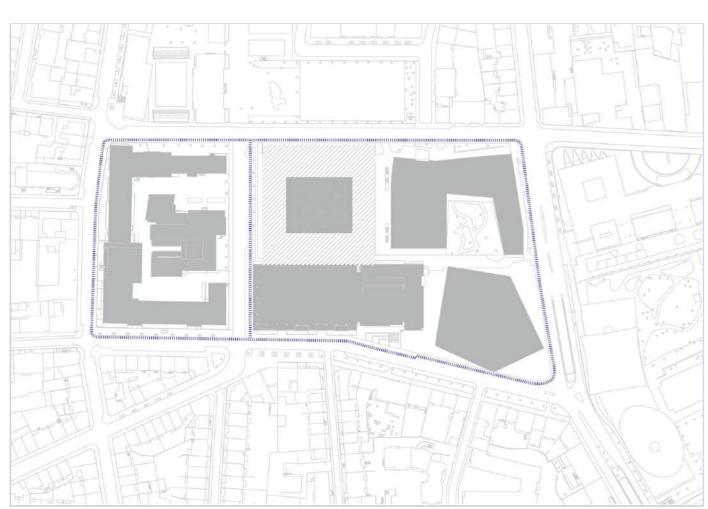
VOLUME PERIMETERS COMBINATION DESIGN



VOLUME PERIMETERS COMBINATION DESIGN



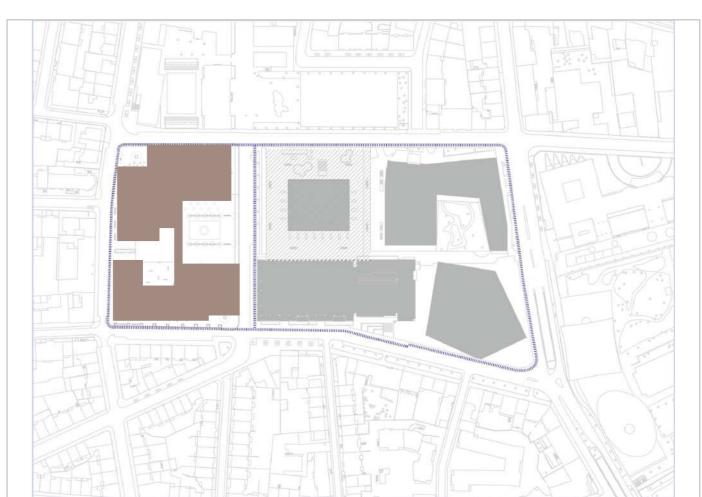
DESIGN PROPOSAL



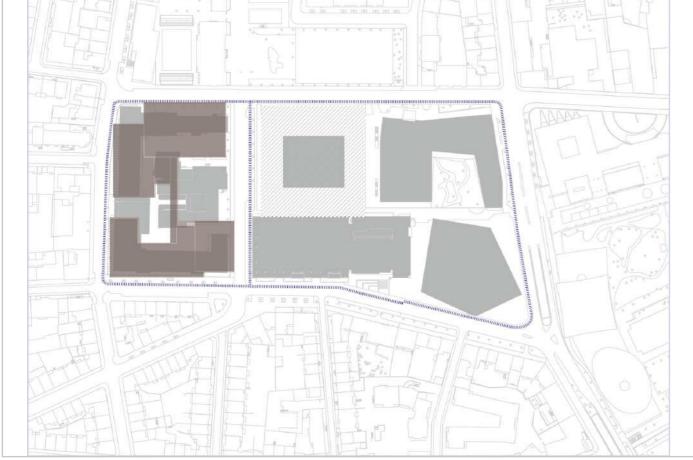
EXISTING BUILDINGS - CHEMISTRY I PHYSICS I ANATOMY



PHASE I - TOP VIEW



PHASE II - TOP VIEW



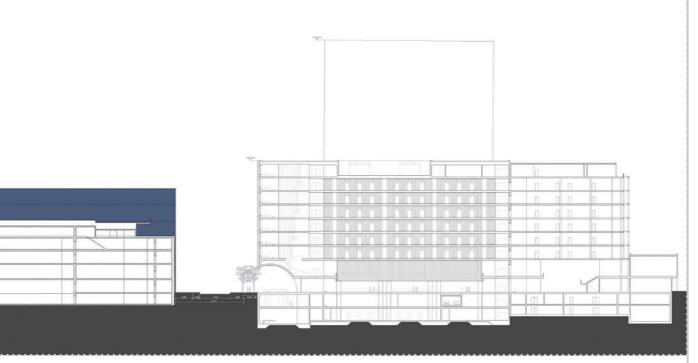
NEW DESIGN PARAMETER OVERLAPPING WITH THE EXISTING SITUATION

## PHASE 1

The existing physics building is located by new physics building which consists of L- shaped competitive perimeter comes with two built on contiguous buildings. The 6-story high part at the crossroads Pestalozzistrasse-Spitalstrasse includes the physics and the anatomy and part of the central area. The part at the crossroads St. Johanns-Ring-Spital Strasse includes Anatomical Museum which is open to the public an Anatomy on the upper floors. A facade part of the Pestalozzistrasse gives reference to the church and a cantilever over the sidewalk of the Spitalstrasse gives reference to strategical set-back.

### PHASE 2

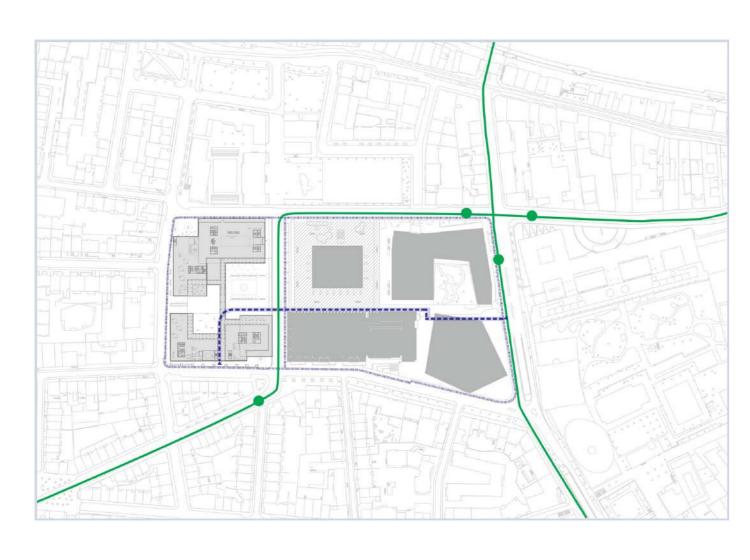
After moving to the buildings of stage 1, all remaining buildings will be demolished. The second phase includes some levels of functionally connected buildings and underground logistics. At the corner of Kingelbergstrasse and St.Johanns-Ring, a five story central area building will be built in the basement of which the animal station will be located. The 66 m high tower which includes the chemistry department and research labs, is located at the corner of Pestalozistrasse and Kingelbergstrasse. It is 12 m away from Kingelbergstrasse and has a total of 12 stories.



PHASE I- PESTALOZI STRASSE



PHASE II- PESTALOZI STRASSE

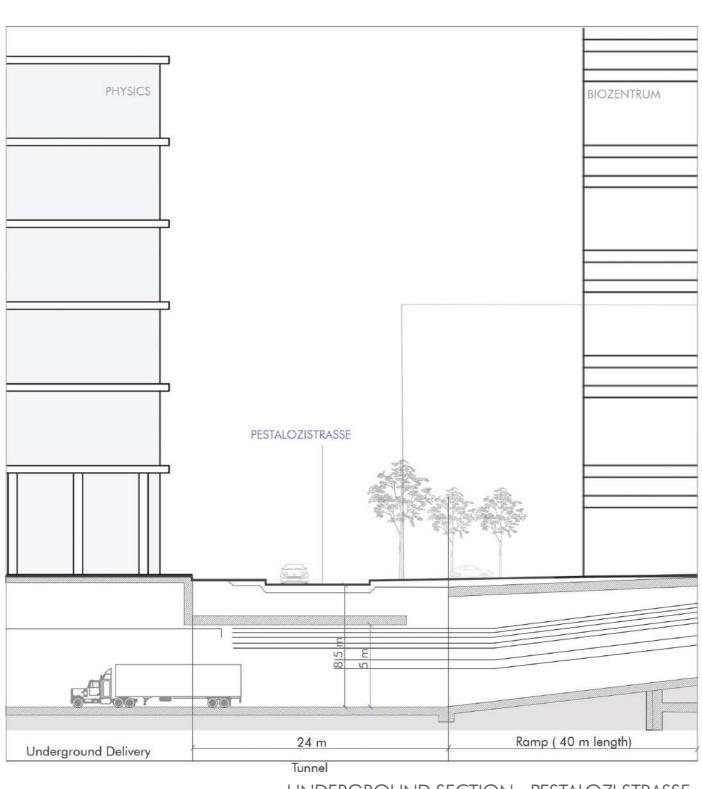


BUS LINE 31-36-38

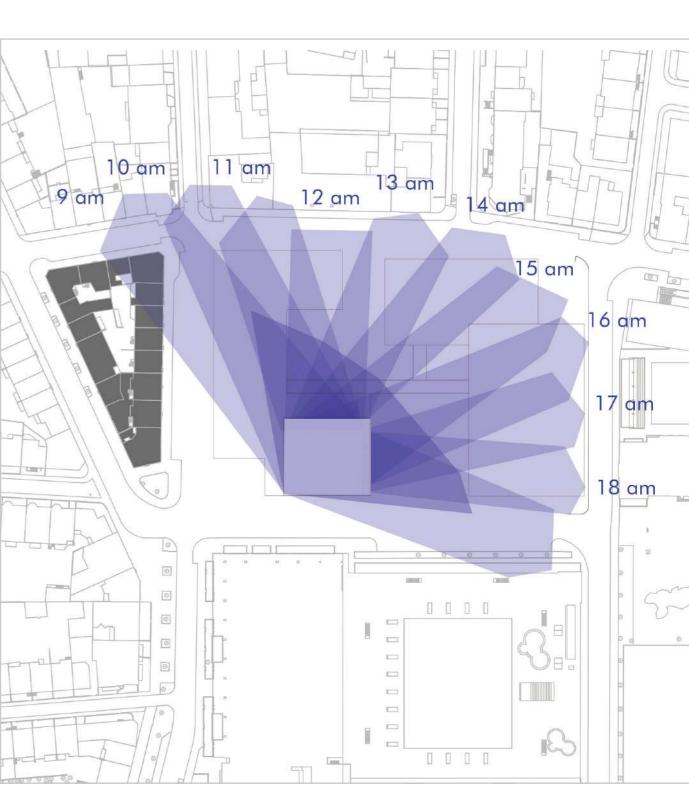
UNDERGROUND TUNNEL

#### CONTINUOUS LOGISTIC TUNNEL

The exit of the continuous logistics tunnel that passes through all construction sites is located on the Kingelbergstrasseand the height of the tunnel is defined as 8.5 m in total and 50m away from Pestalozzistrasse.



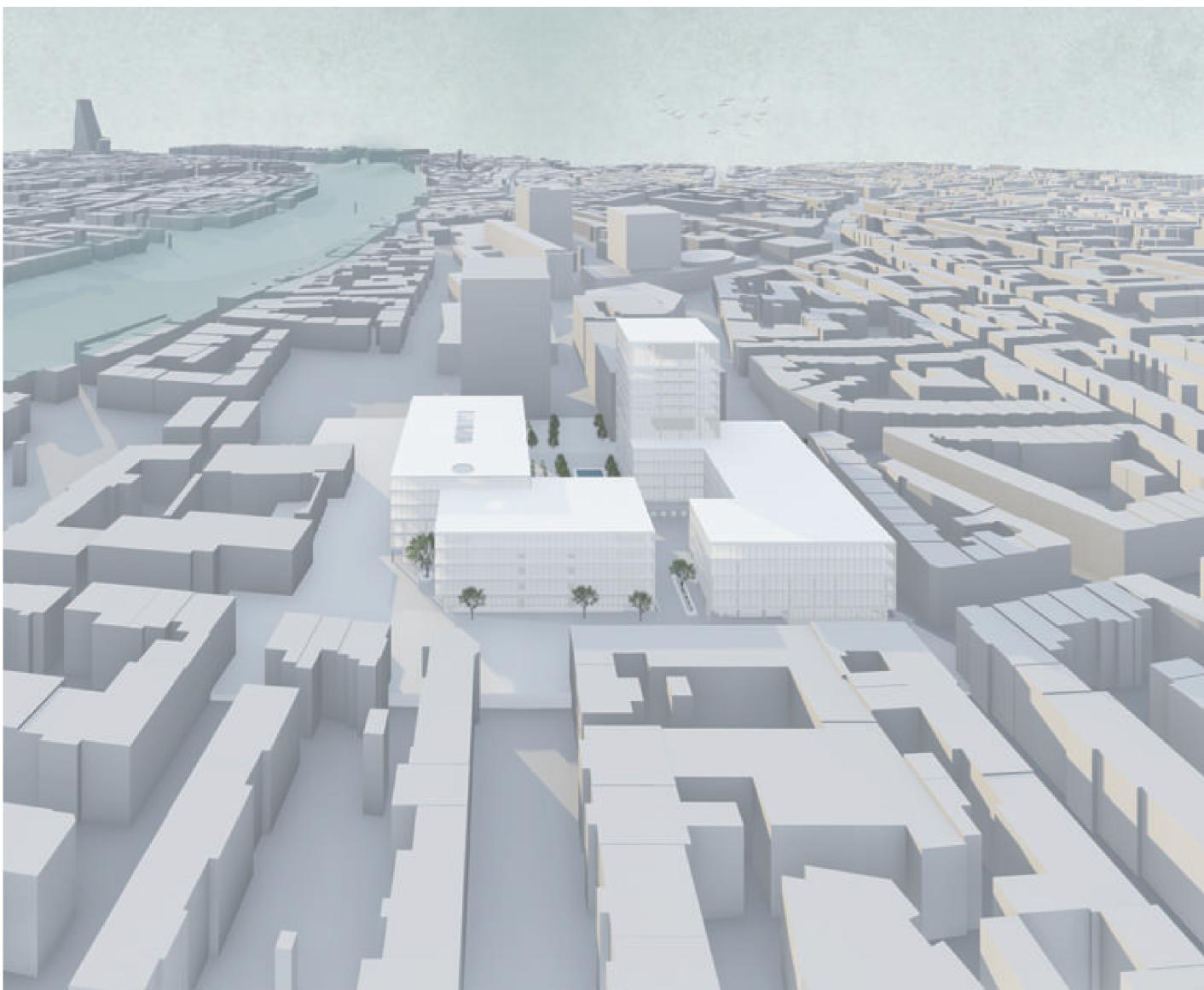
UNDERGROUND SECTION - PESTALOZI STRASSE

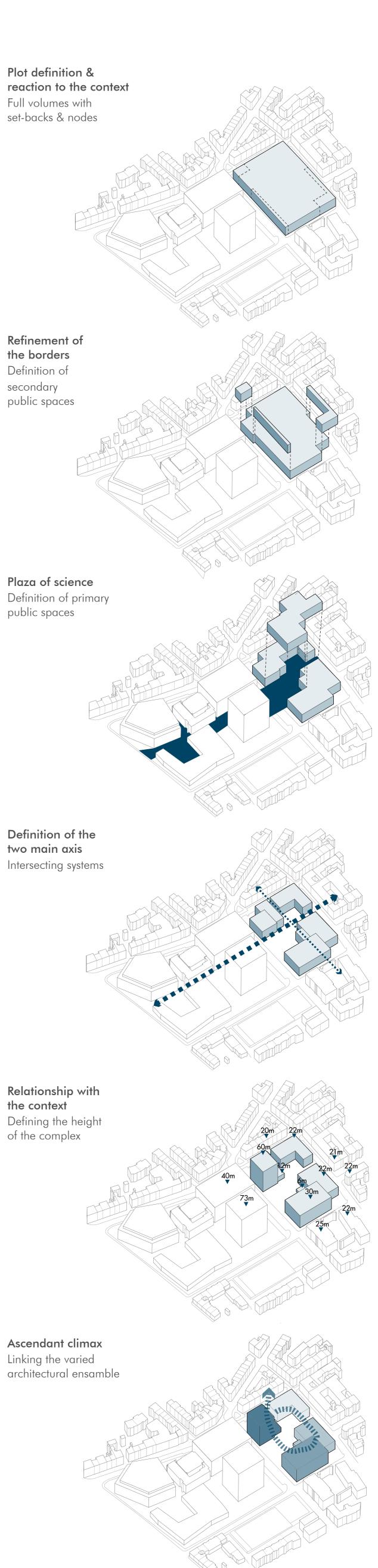


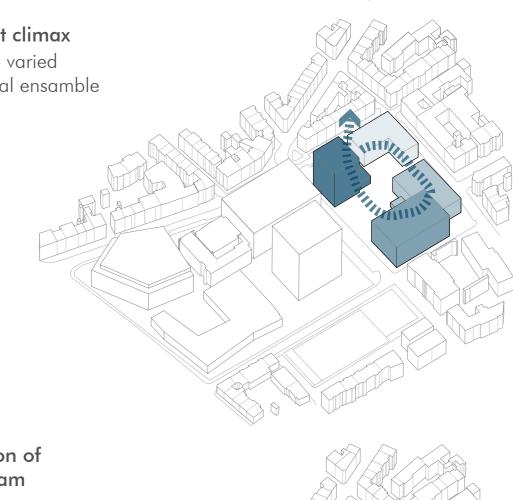
2h SHADOF OF FACILITY TOWER

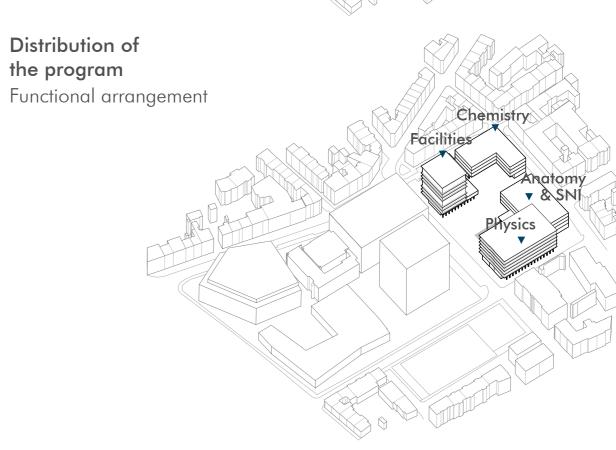
MASTER PLAN PRINCIPLE

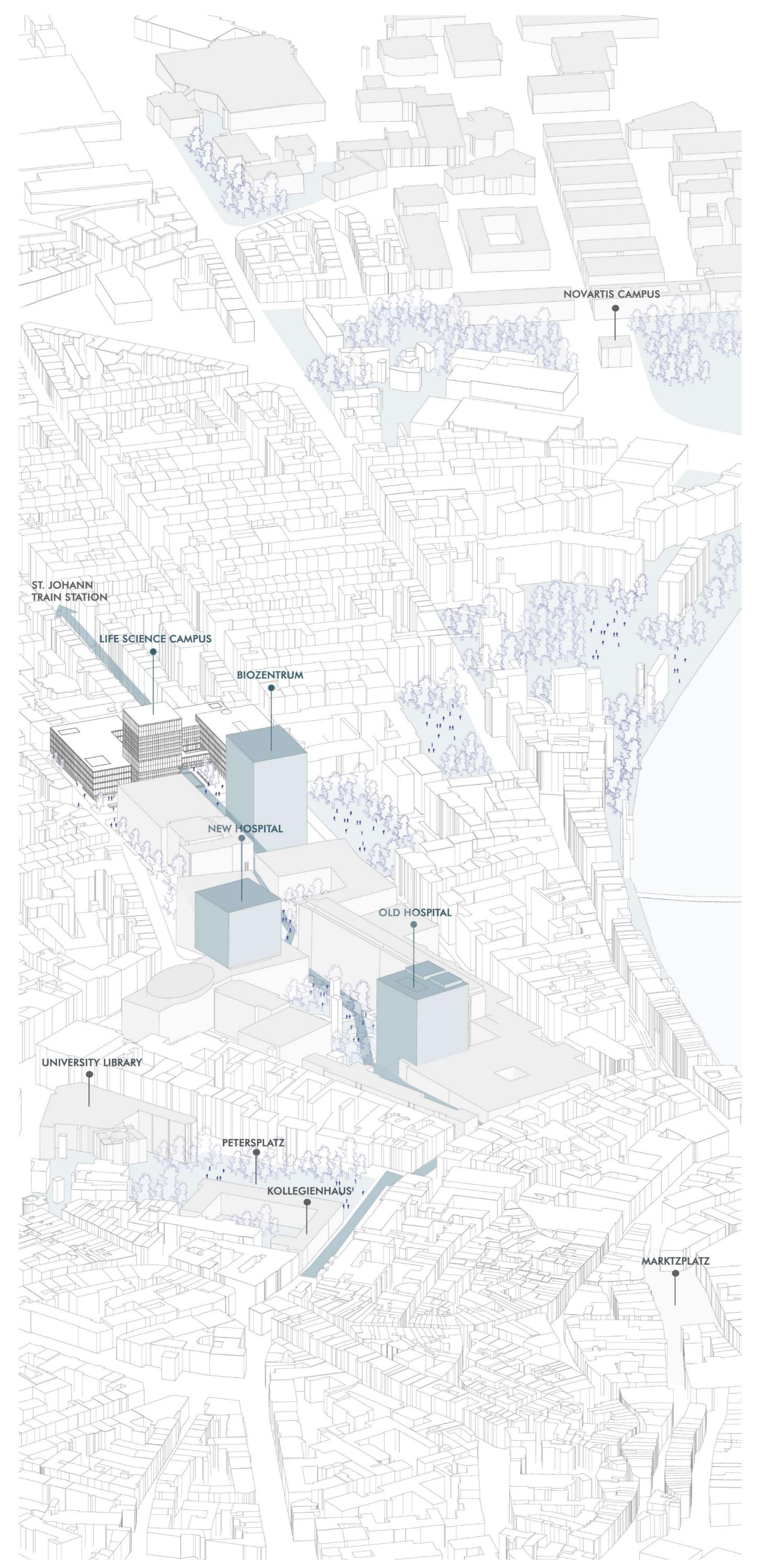


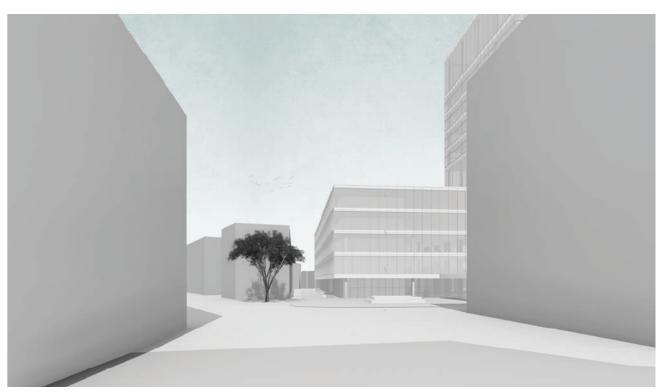








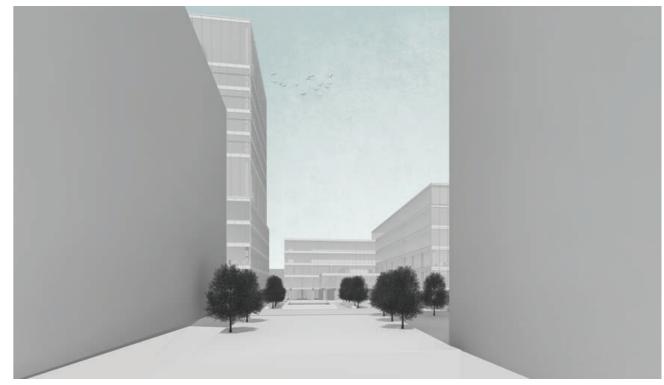




APPROACH THE SITE FROM KLINGELBERGSTRASSE



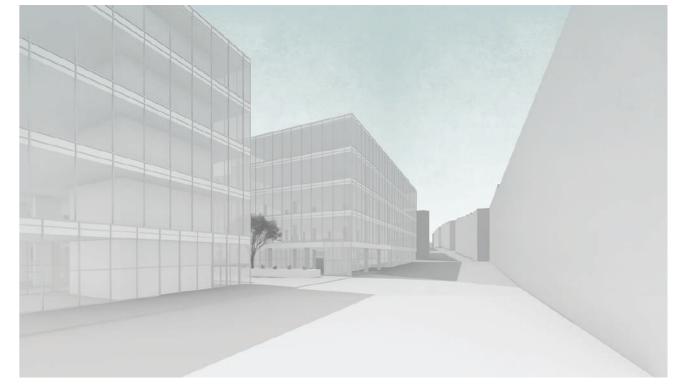
NODE BETWEEN KLINGELBERGSTRASSE AND PESTALOZZISTRASSE



APPROACHING THE SITE FROM THE INTERNAL CAMPUS PATH



ENTANCE TO SITE FROM THE CAMPUS PATH, ACROSS PESTALOZZISTRASSE



APPROACHING THE SITE FROM VOGESENSTRASSE



ENTRANCE TO THE SITE FROM VOGESENSTRASSE



APPROACH TO SITE FROM PESTALOZZISTRASSE