

HYBRID FRAME

- an urban program generator for a shrinking city -

Lagaccio Valley - Genoa - Italy



P5 PRESENTATION

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Student number: 4677137

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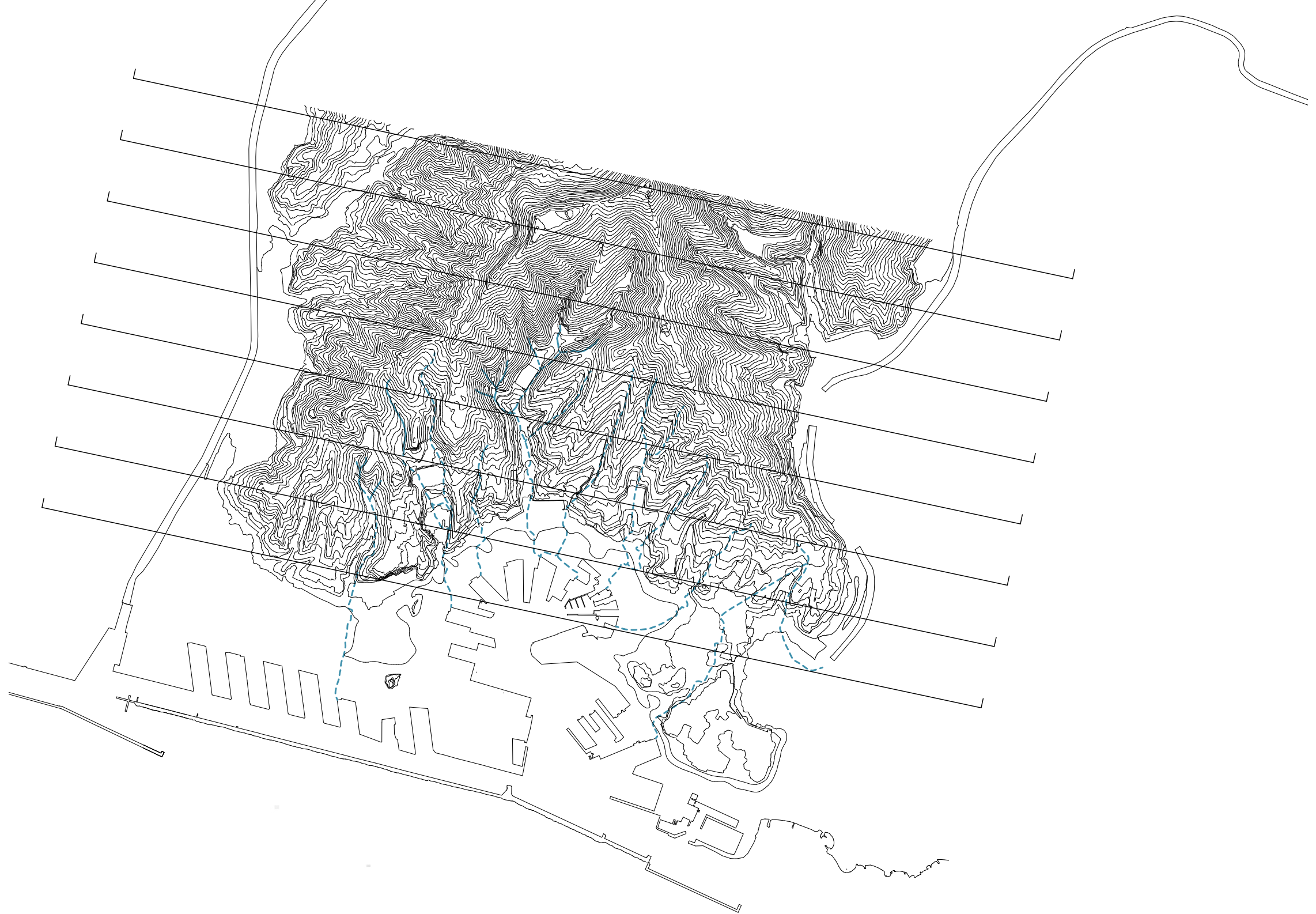




URBAN FABRIC
CONTEXT



Genoa seen from the university building





CANALISATIONS CONTEXT

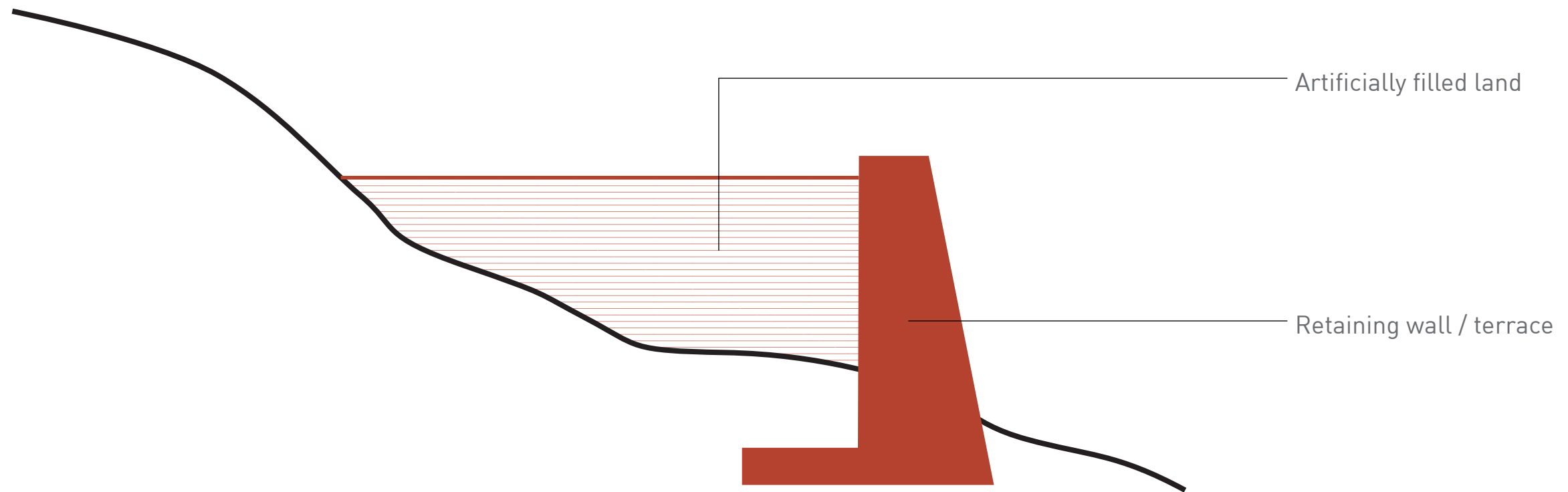
Map of creeks' canalisations

<https://geoportale.comune.genova.it/node/55>



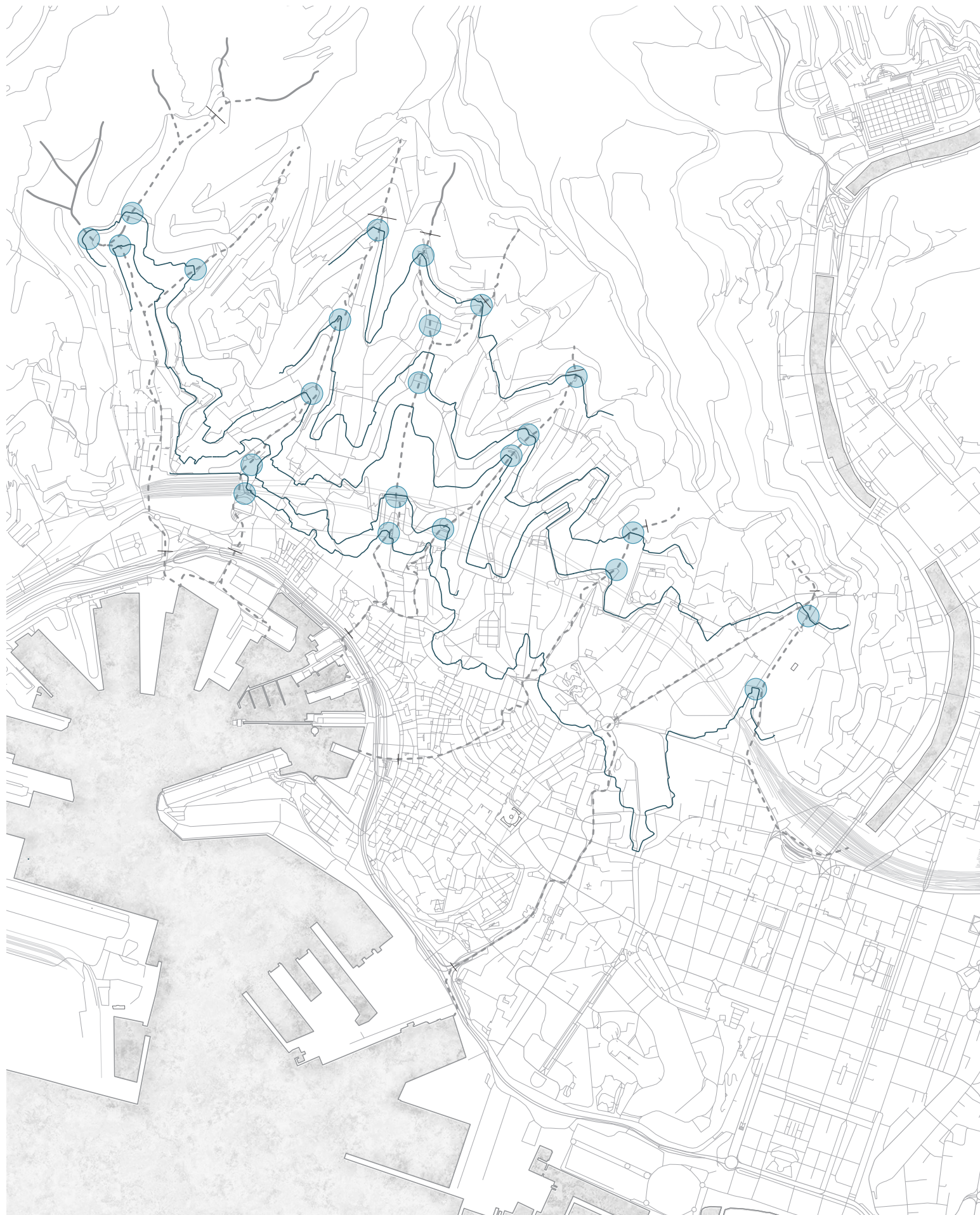
GROUND MODIFICATION CONTEXT

Map of artificial landfills



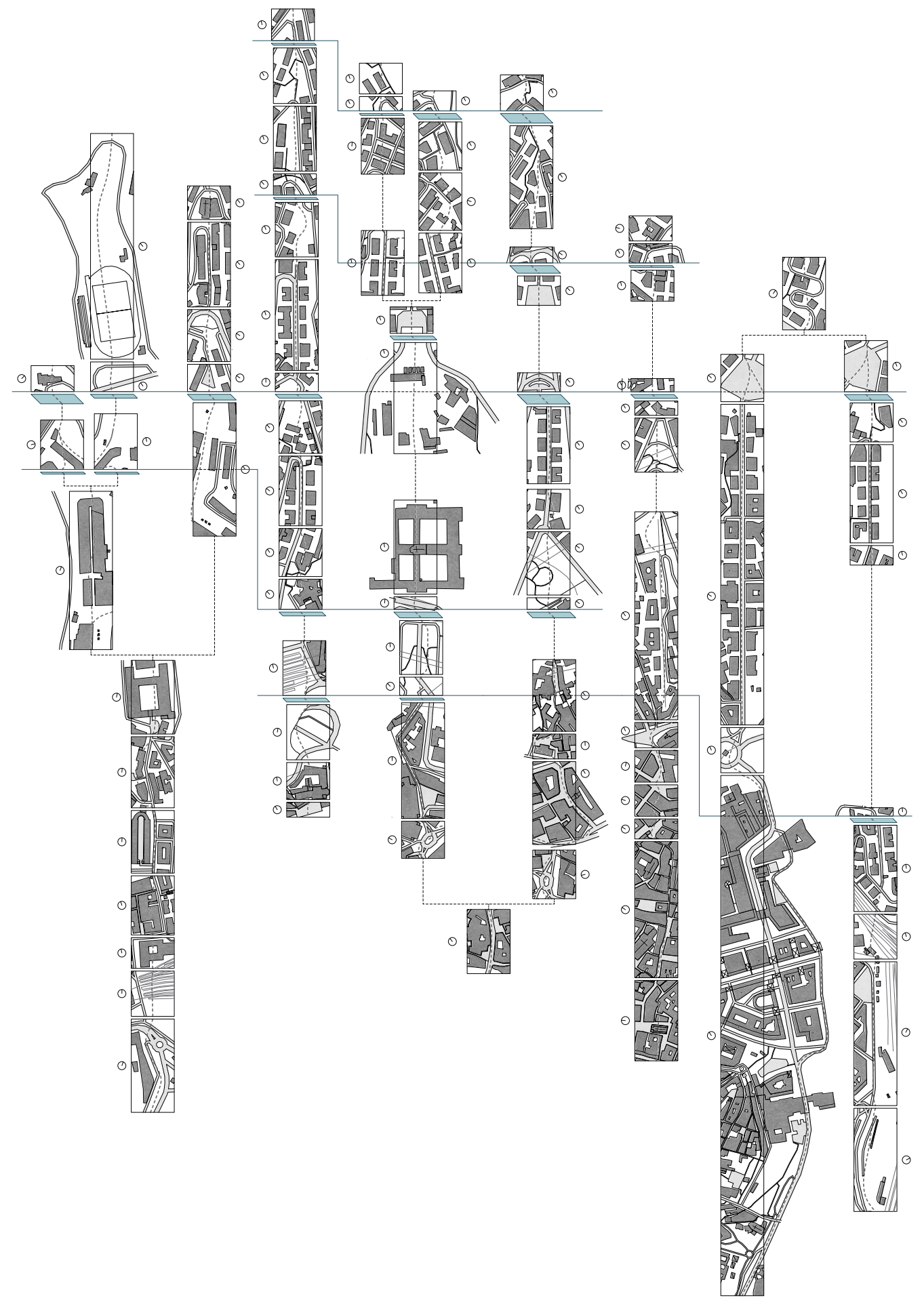
LEVEL DIFFERENCE
CONTEXT

Examples of terraces



FRAGILITIES

CONTEXT



Conceptual plan showing the network of fragilities



LEISURE



INFRASTRUCTURAL

Artificial landfills in Genova and their program

POTENTIALS
CONTEXT



Felice Ceravolo soccer field



Principe train station



Albergo dei Poveri Gardens



Piazza Corvetto



Albergo dei Poveri Gardens



Caserma Gavoglio

SHRINKING URBANISATION CONTEXT

Semi-abandoned or abandoned areas

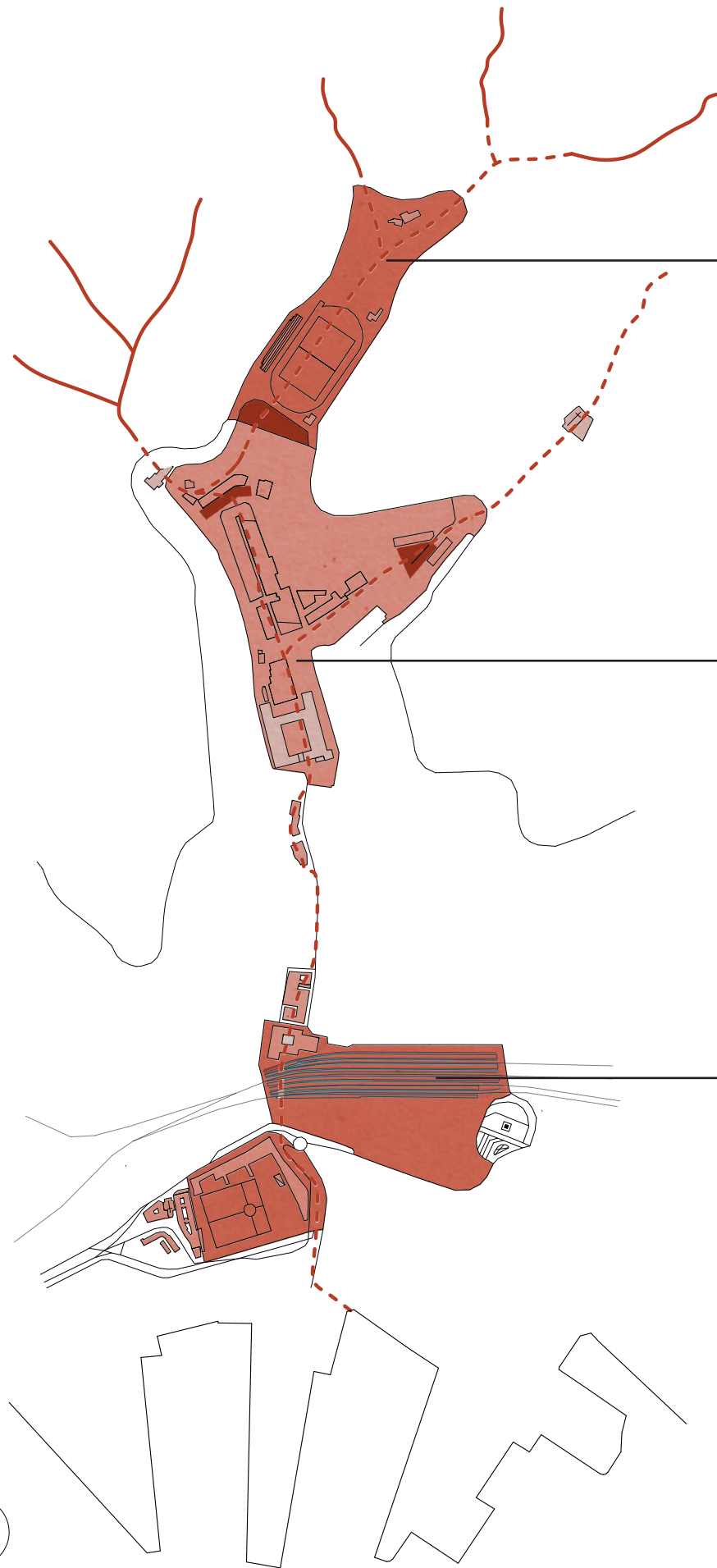


- ABANDONED
- LEISURE
- INFRASTRUCTURAL

Localisation of area taken into consideration

THE LAGACCIO VALLEY

SITE



Felice ceravolo Soccer Field



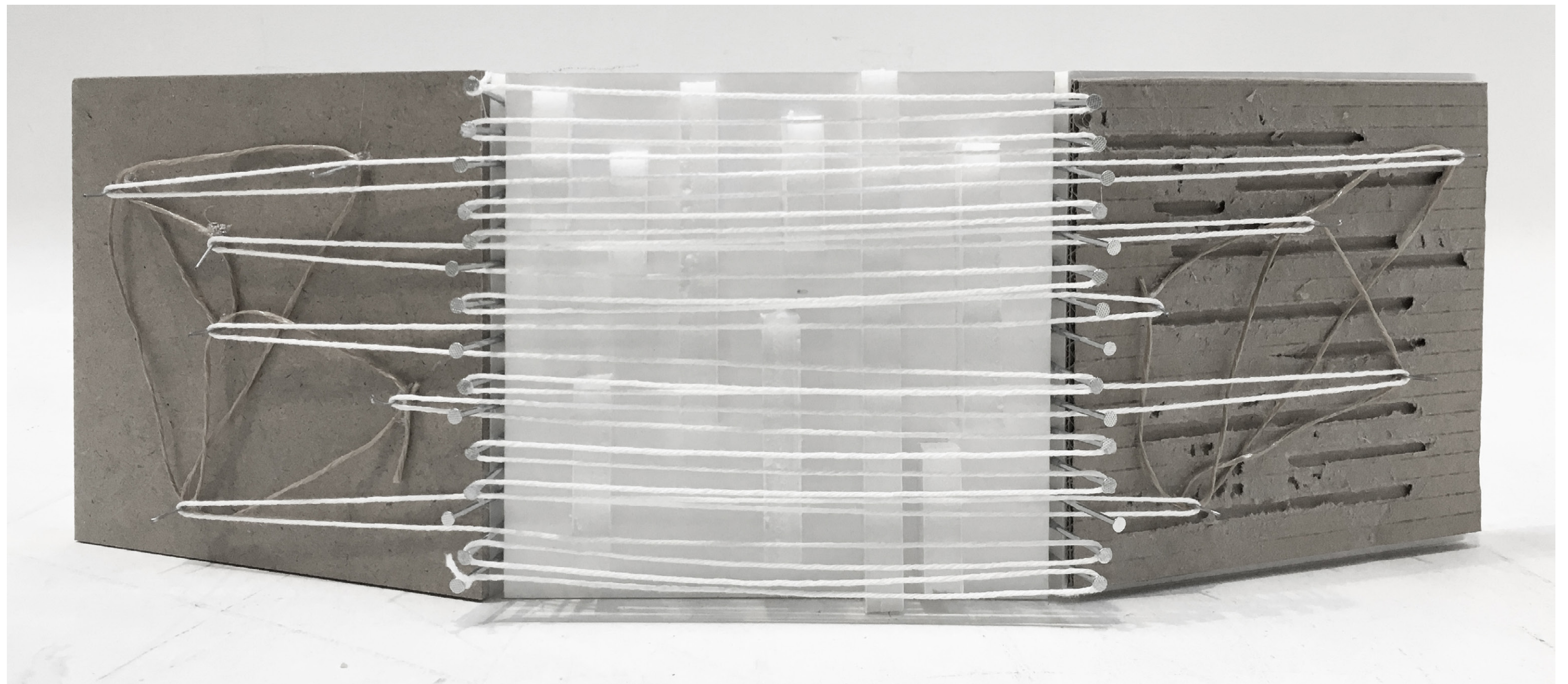
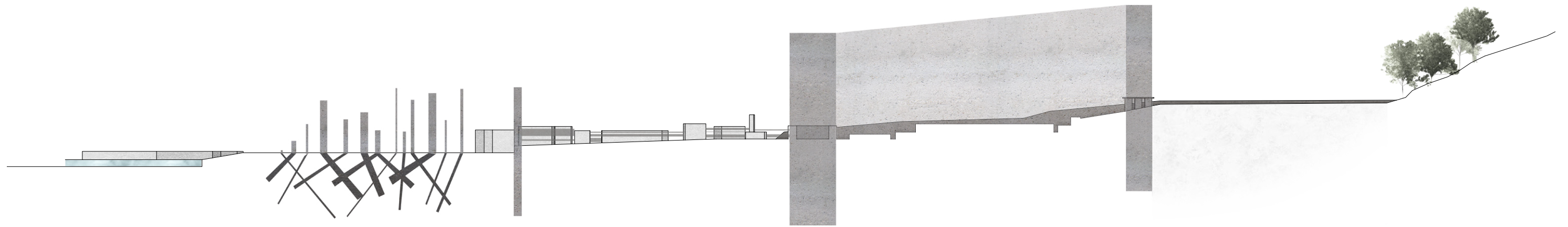
Caserma Gavoglio Premises



Principe Station

THE LAGACCIO VALLEY SITE

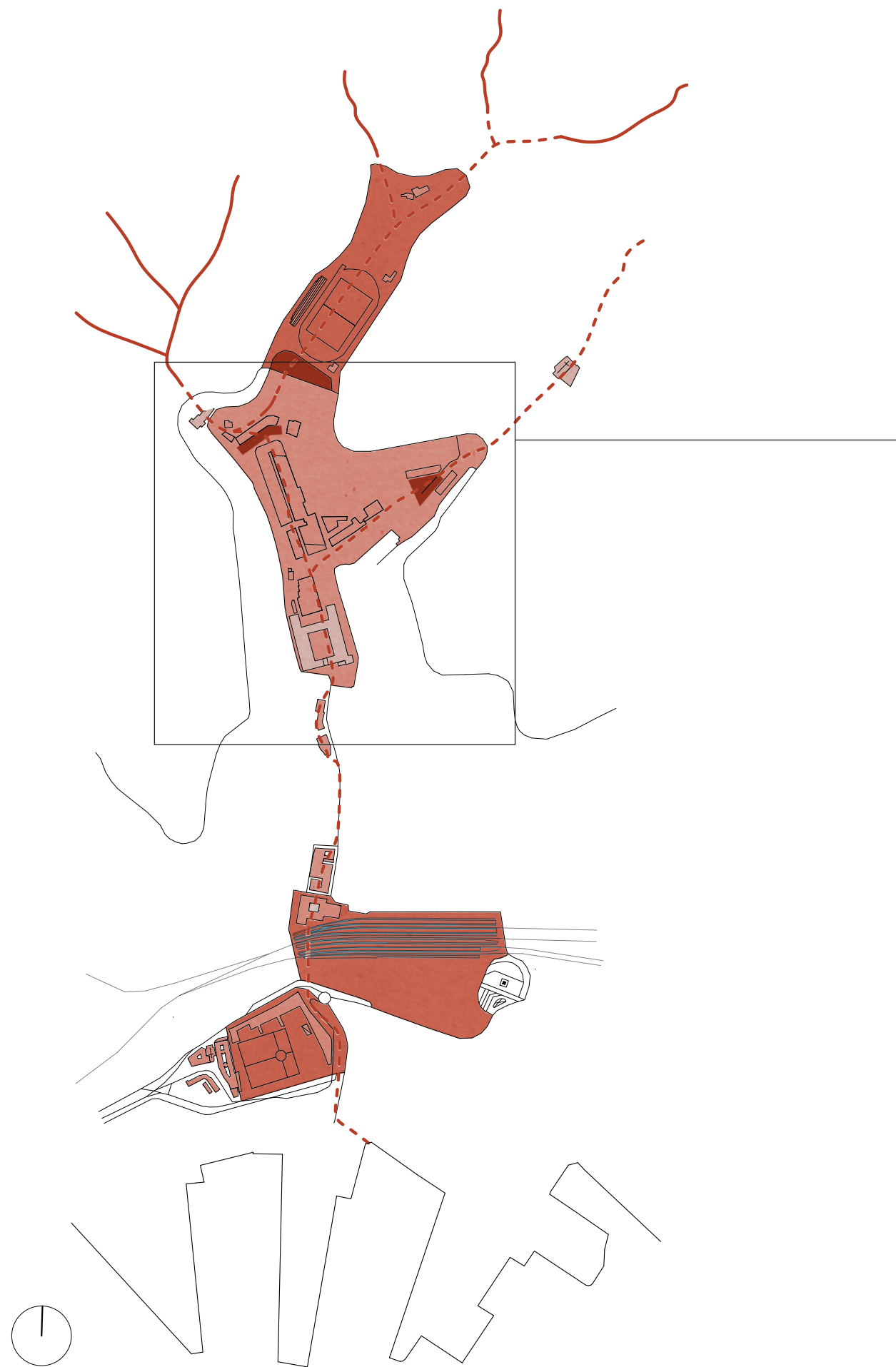
Main landfills present in the Lagaccio area



BROKEN SEQUENCE

SITE

Conceptual analysis through speculative drawings and models



CASERMA GAVOGLIO PREMISES
SITE



Aerial view of Caserma Gavoglio premises



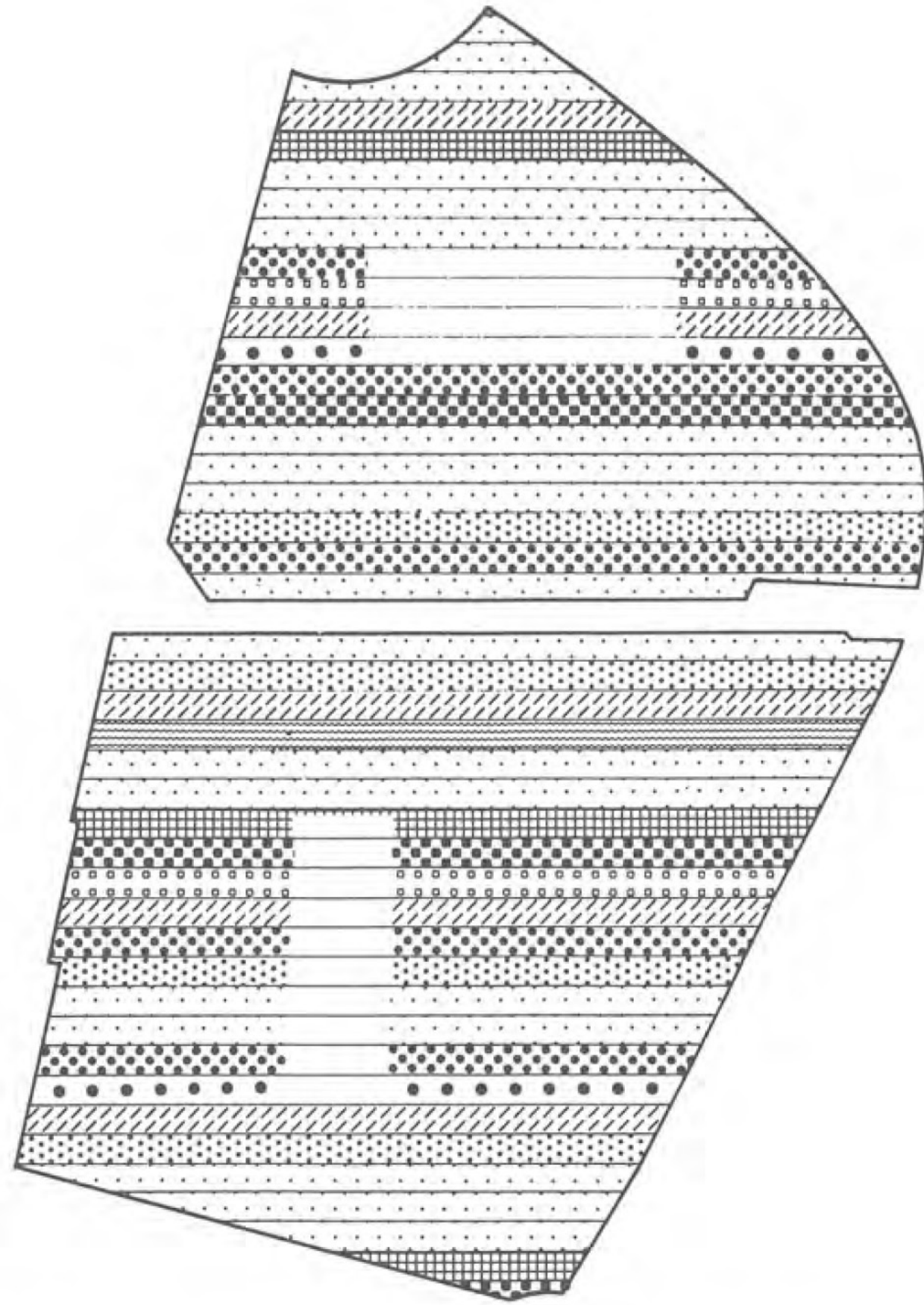
FRACTURE
SITE

Picture of the Lagaccio valley from upstream

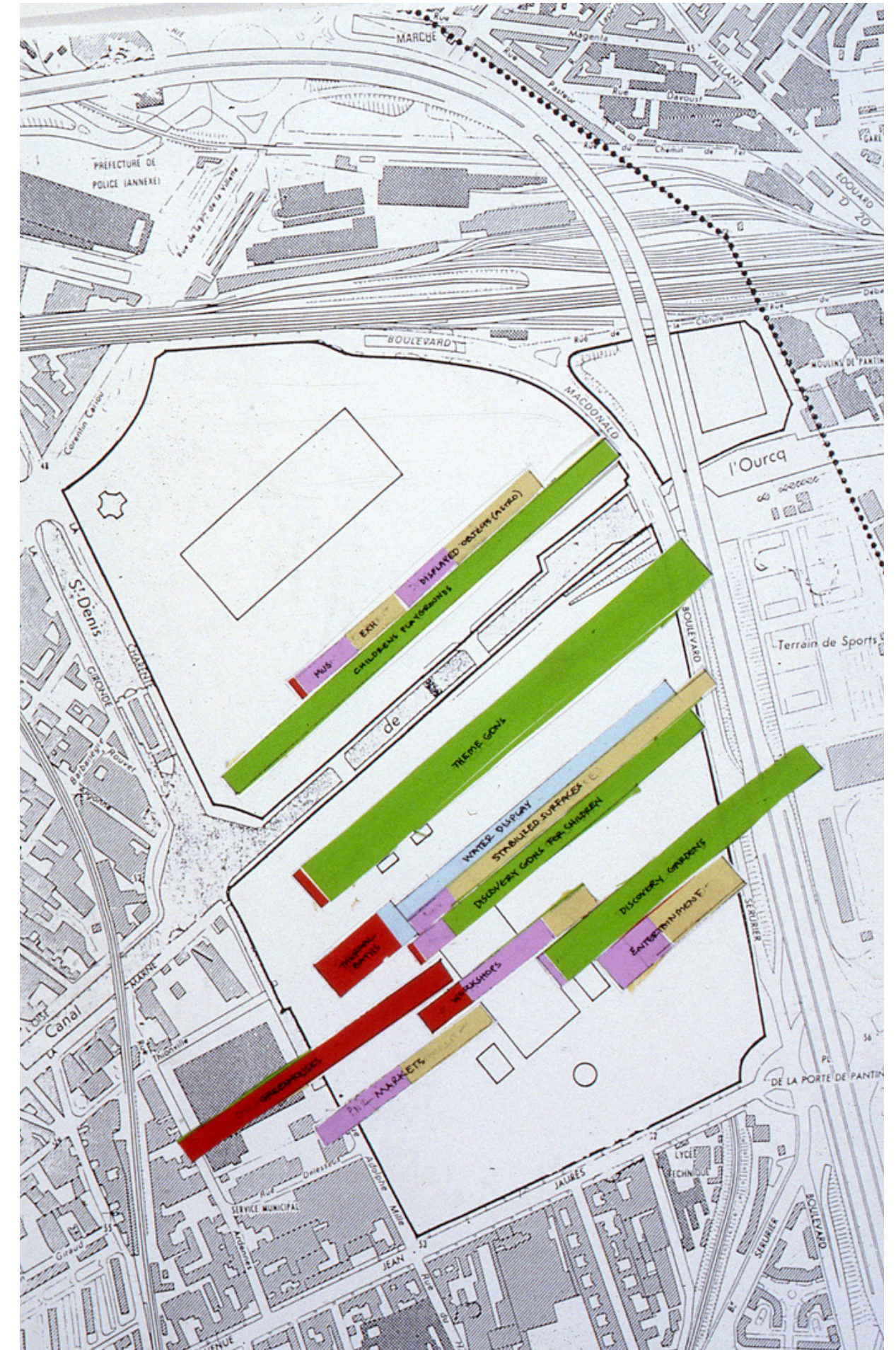


INACCESSIBILITY
SITE

Retaining walls around the site

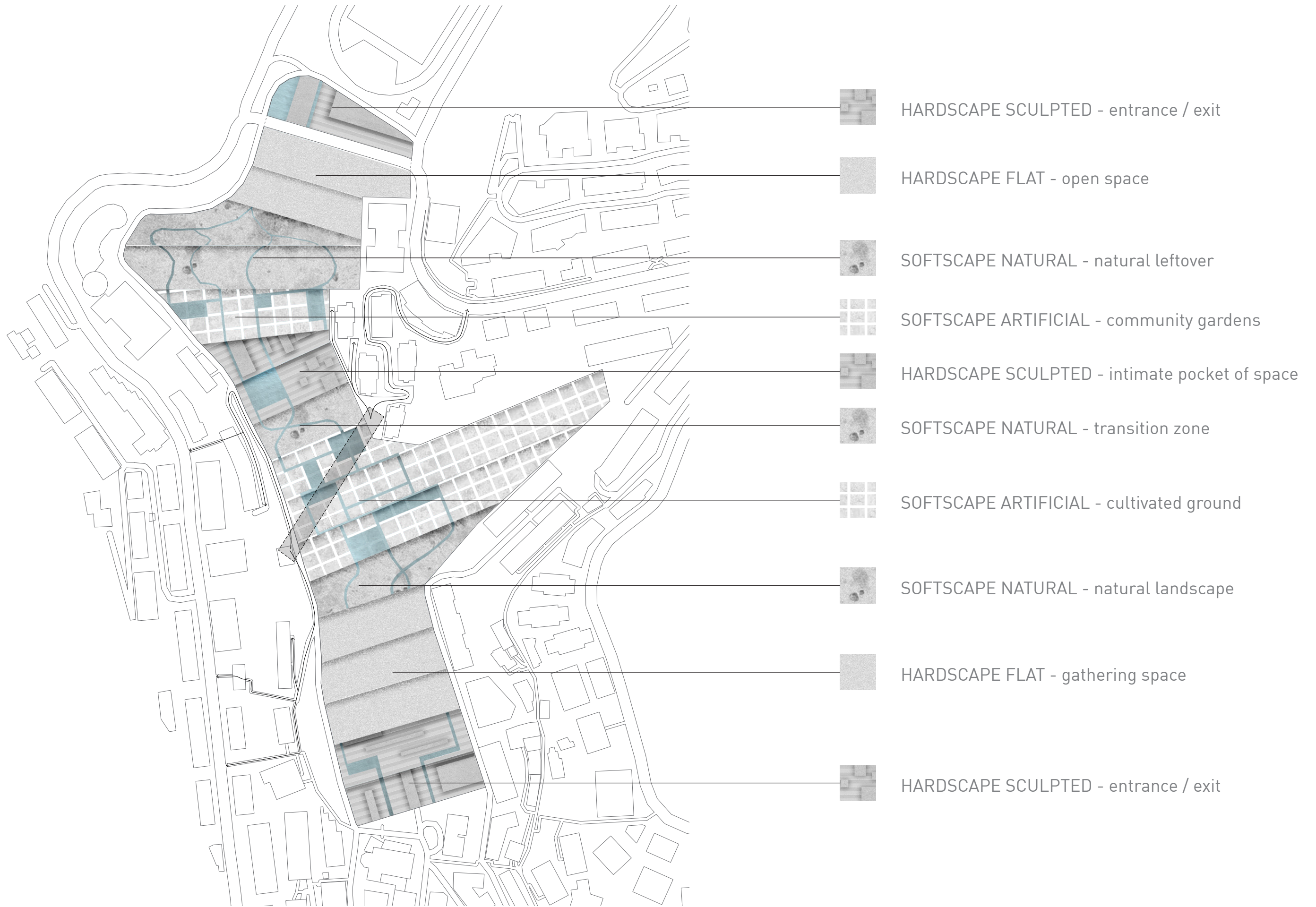


SITE ZONING
DESIGN INTENTION



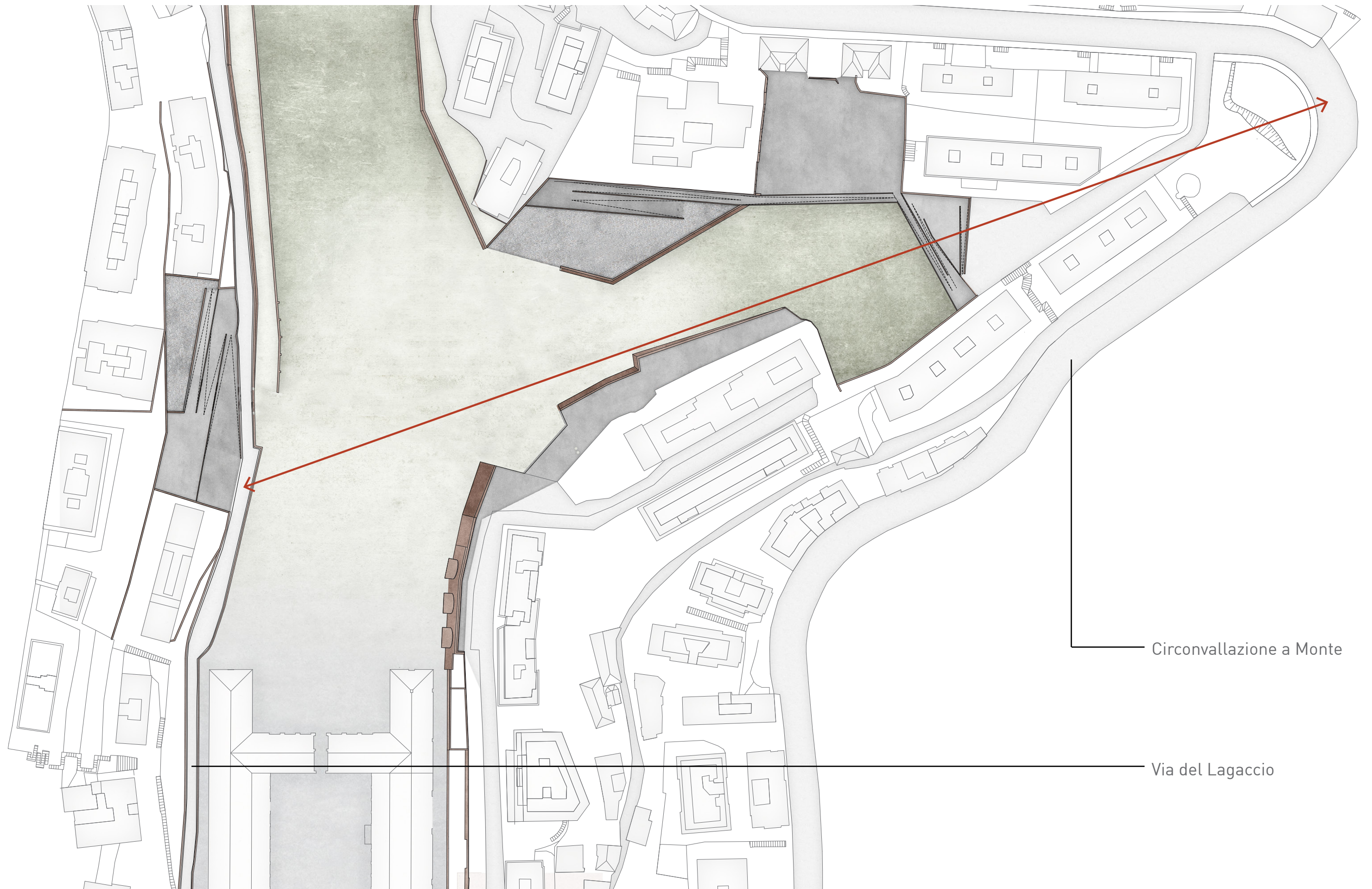
Parc de la Villette - Competition entry by OMA

<https://oma.eu/projects/parc-de-la-ville>

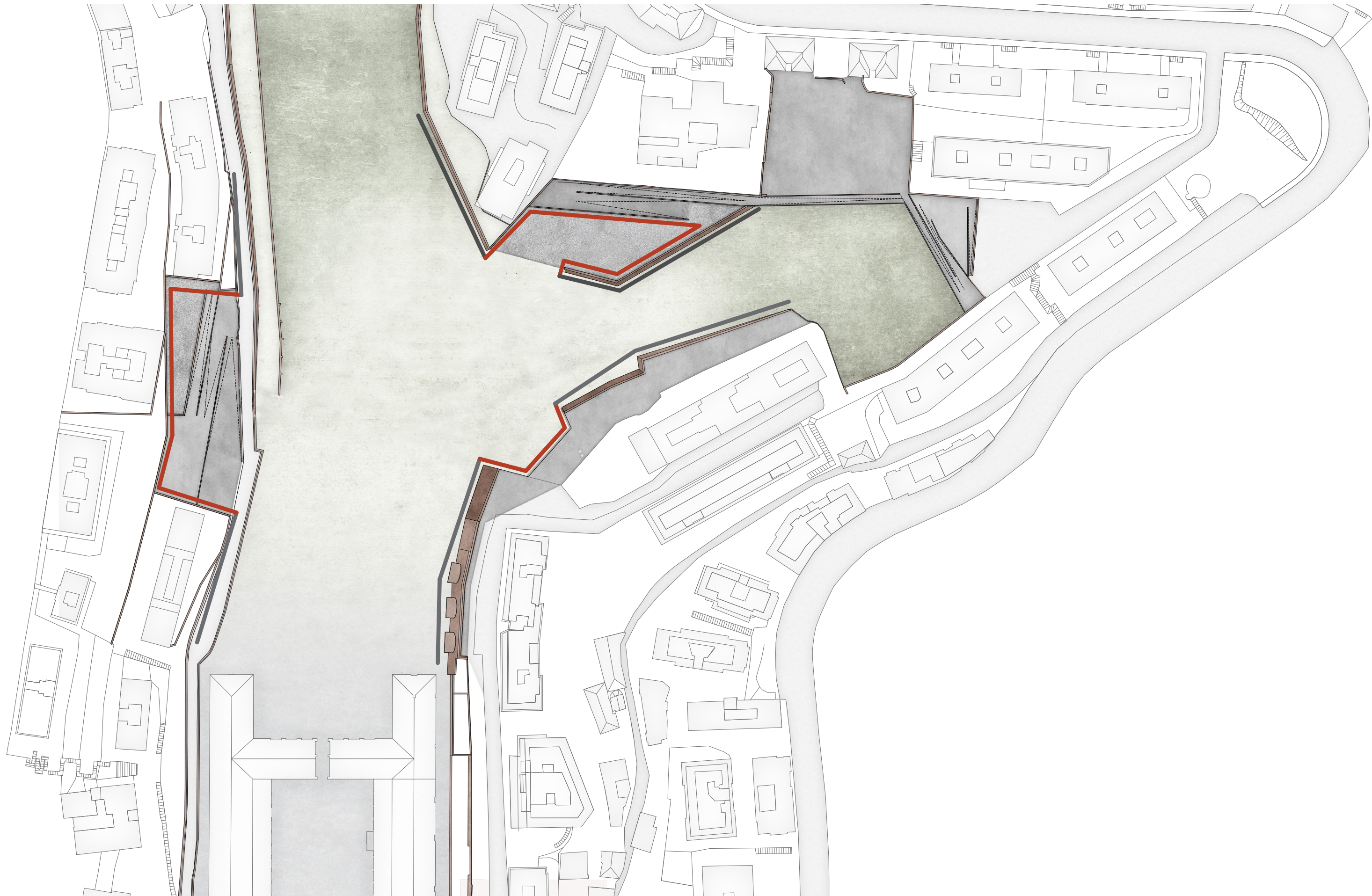


A LANGUAGE OF SCAPES

DESIGN INTENTION

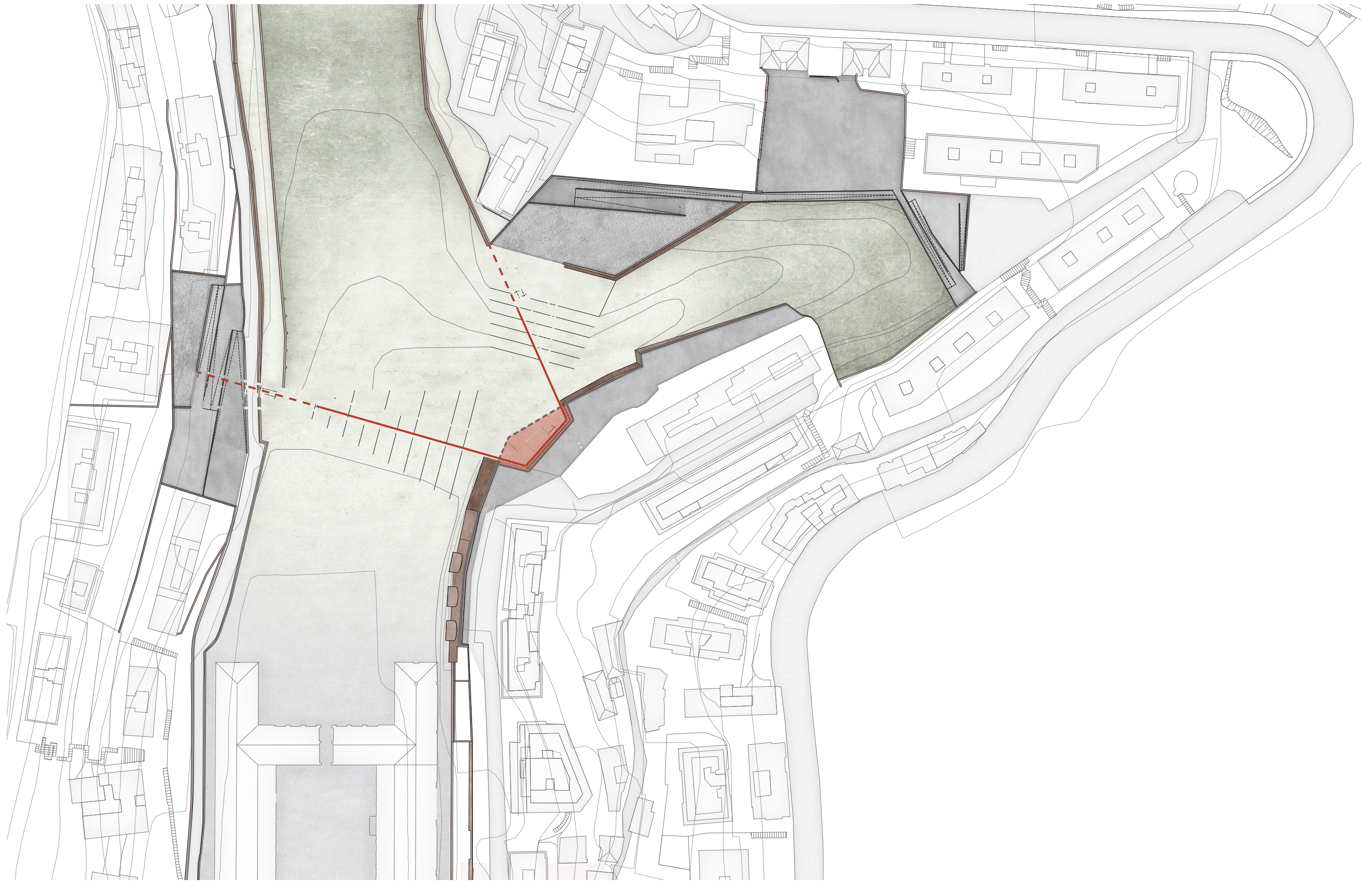


EAST-WEST AXIS
PROPOSAL



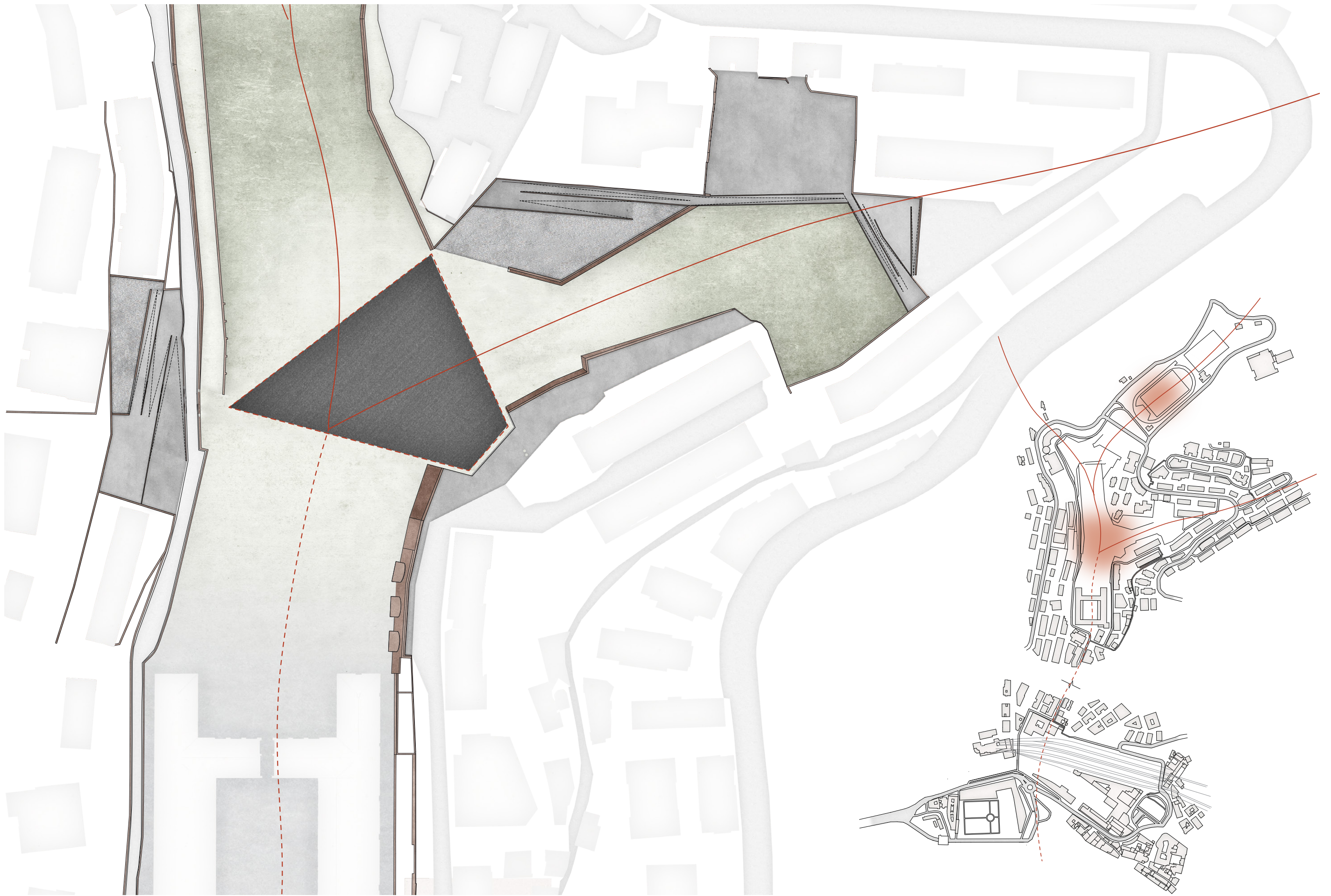
WALL PREPARATION
PROPOSAL

Wall lines are broken to create a connection



DIRECTION
PROPOSAL

Highlight of path direction



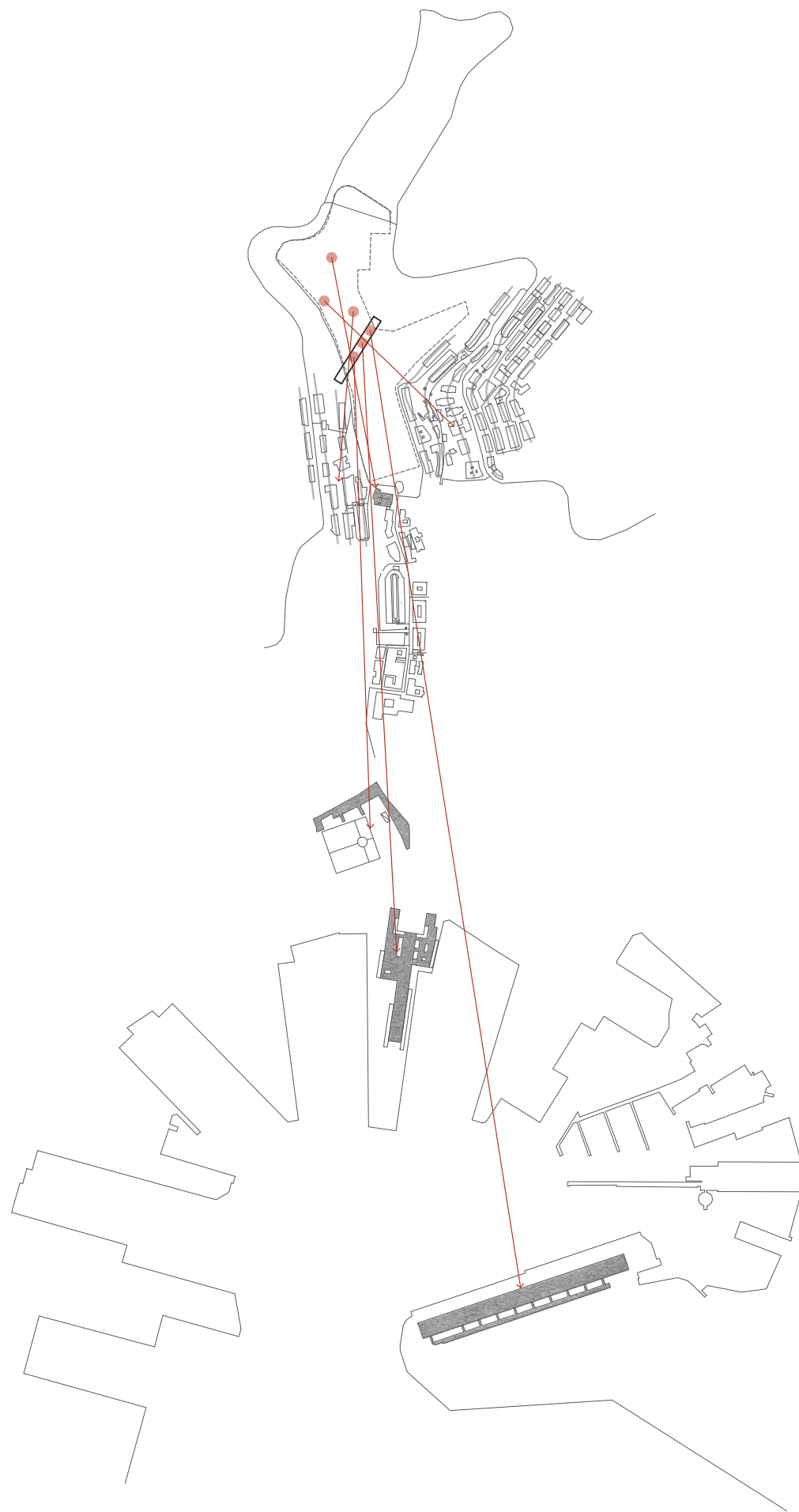
INFRASTRUCTURAL POTENTIAL
PROPOSAL

An underground basin is excavated in order to improve the
existing infrastructure



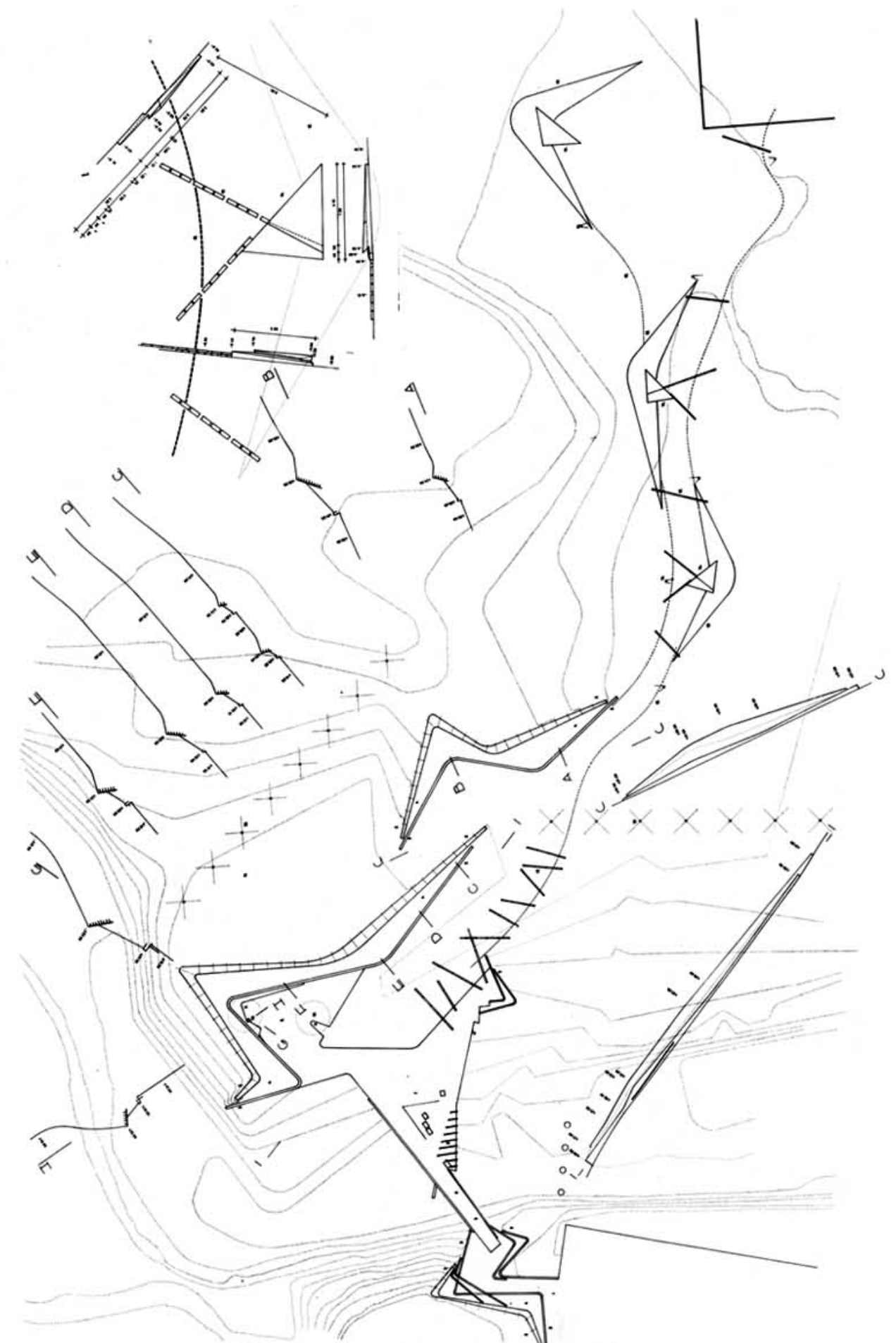
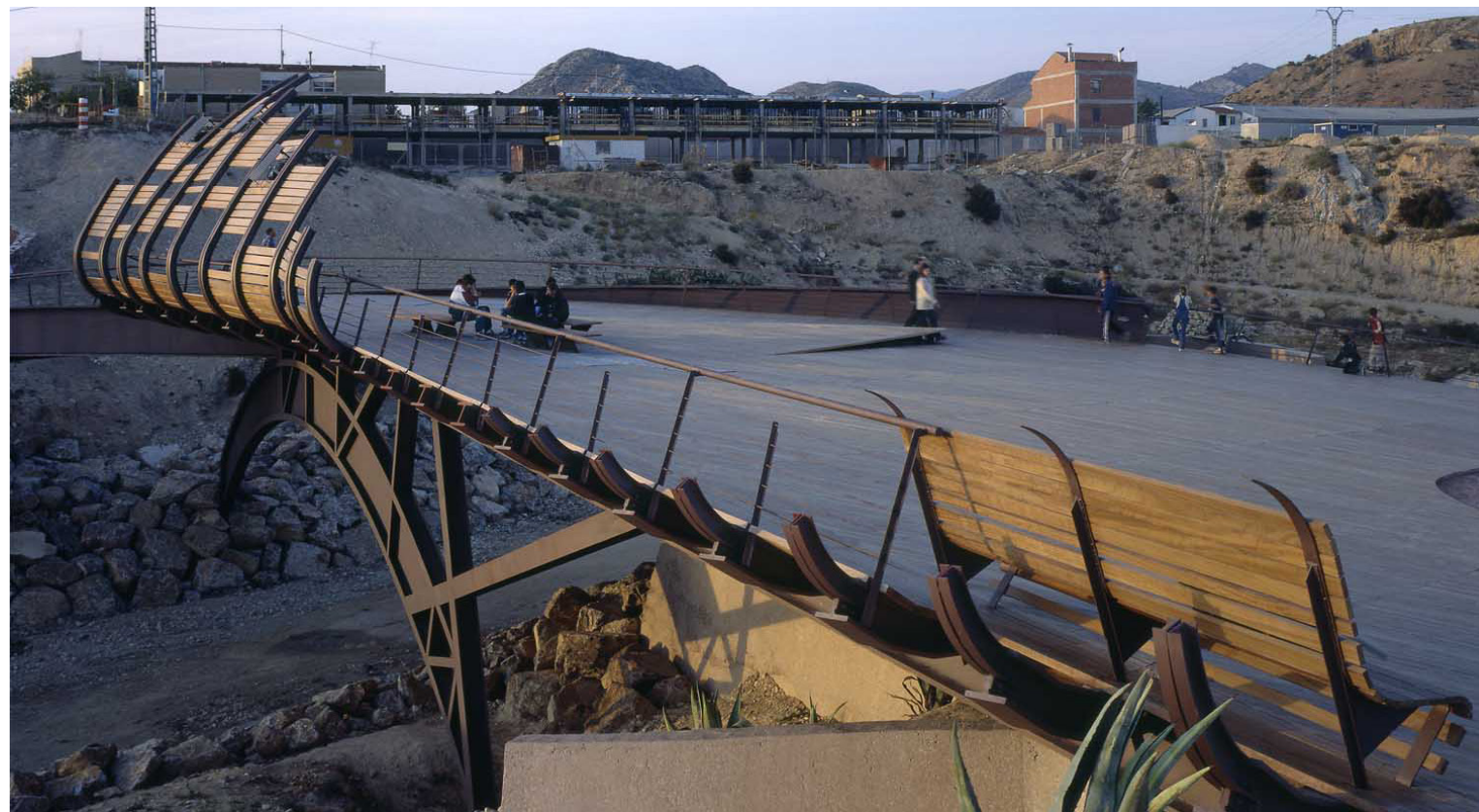
SUPERIMPOSITION
PROPOSAL

The superimposition of a structure over the ground completes
the proposal



SCENIC OPERATIONS
PROPOSAL

A series of scenic operations ensures vantage viewpoint
throughout the proposal, overlooking the city, the mountains or
the proposal itself

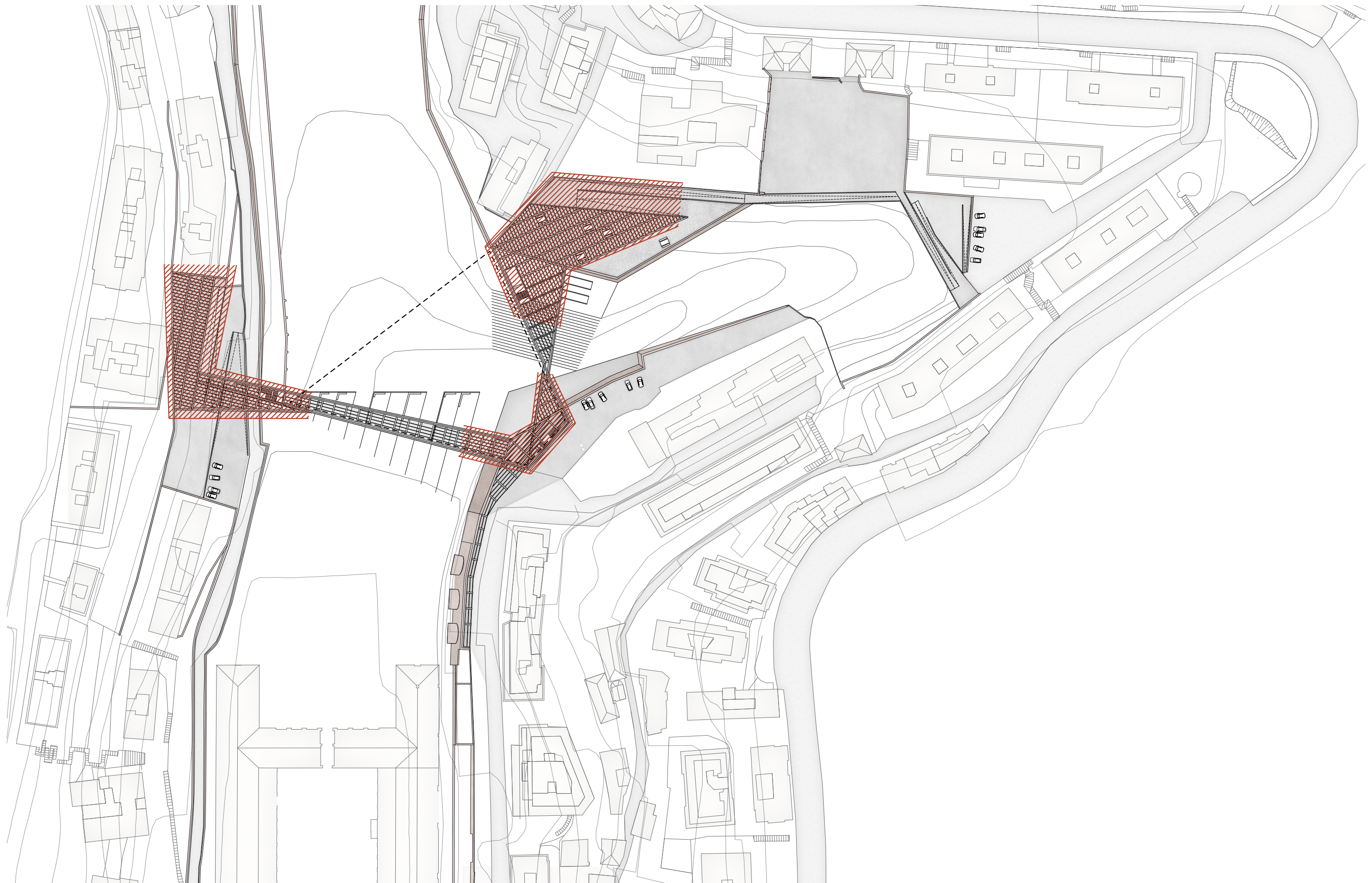


LANDSCAPE LINES

DESIGN INTENTION

Footbridge and Landscaping in Petrer, Alicante (Spain)
Carmen Pinos Architects

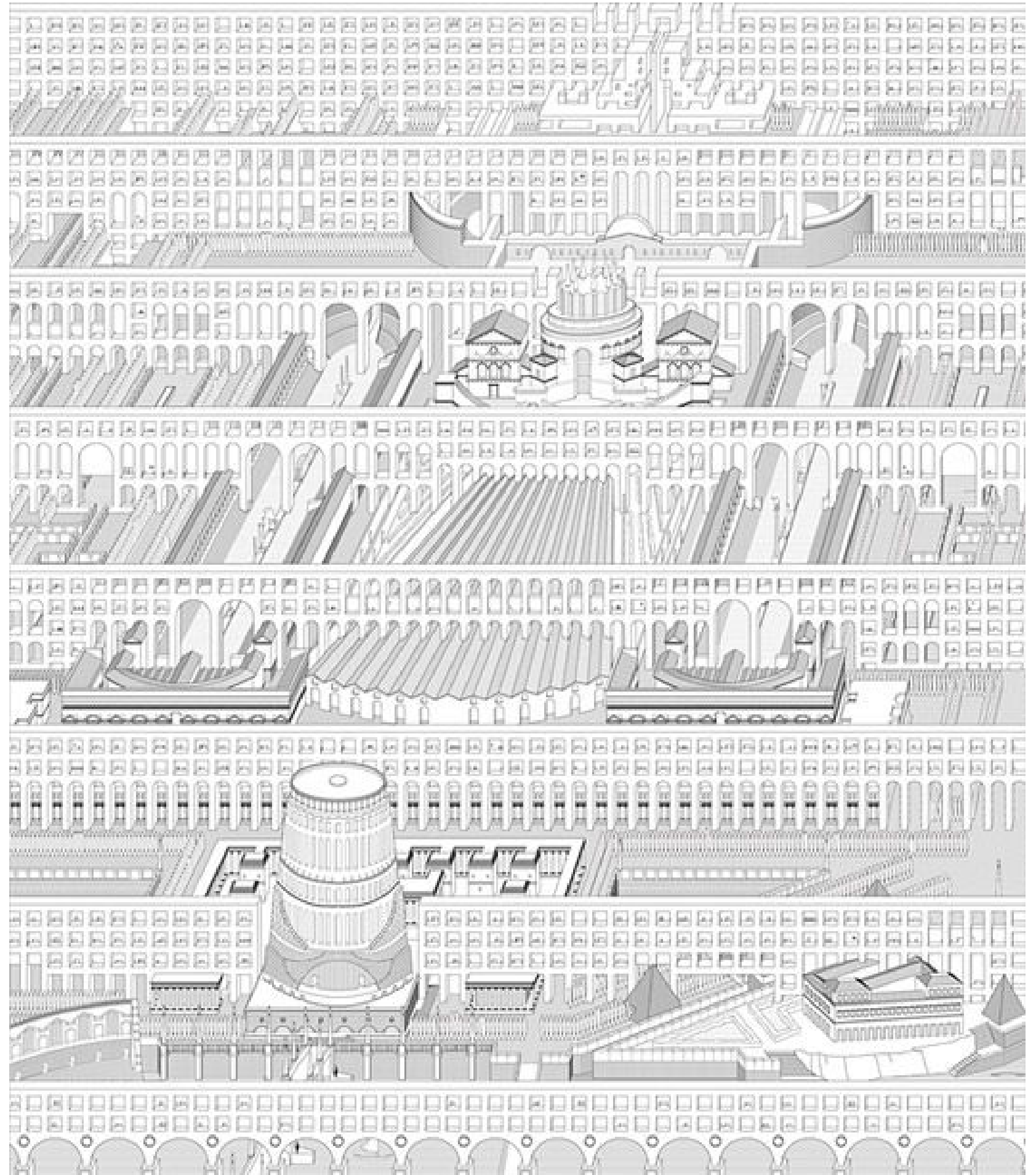
<https://www.cpinos.com/index.php?op=1&ap=7&id=69>



LANDSCAPE ELEMENTS

PROPOSAL

The structures proposed become integral part of the landscape

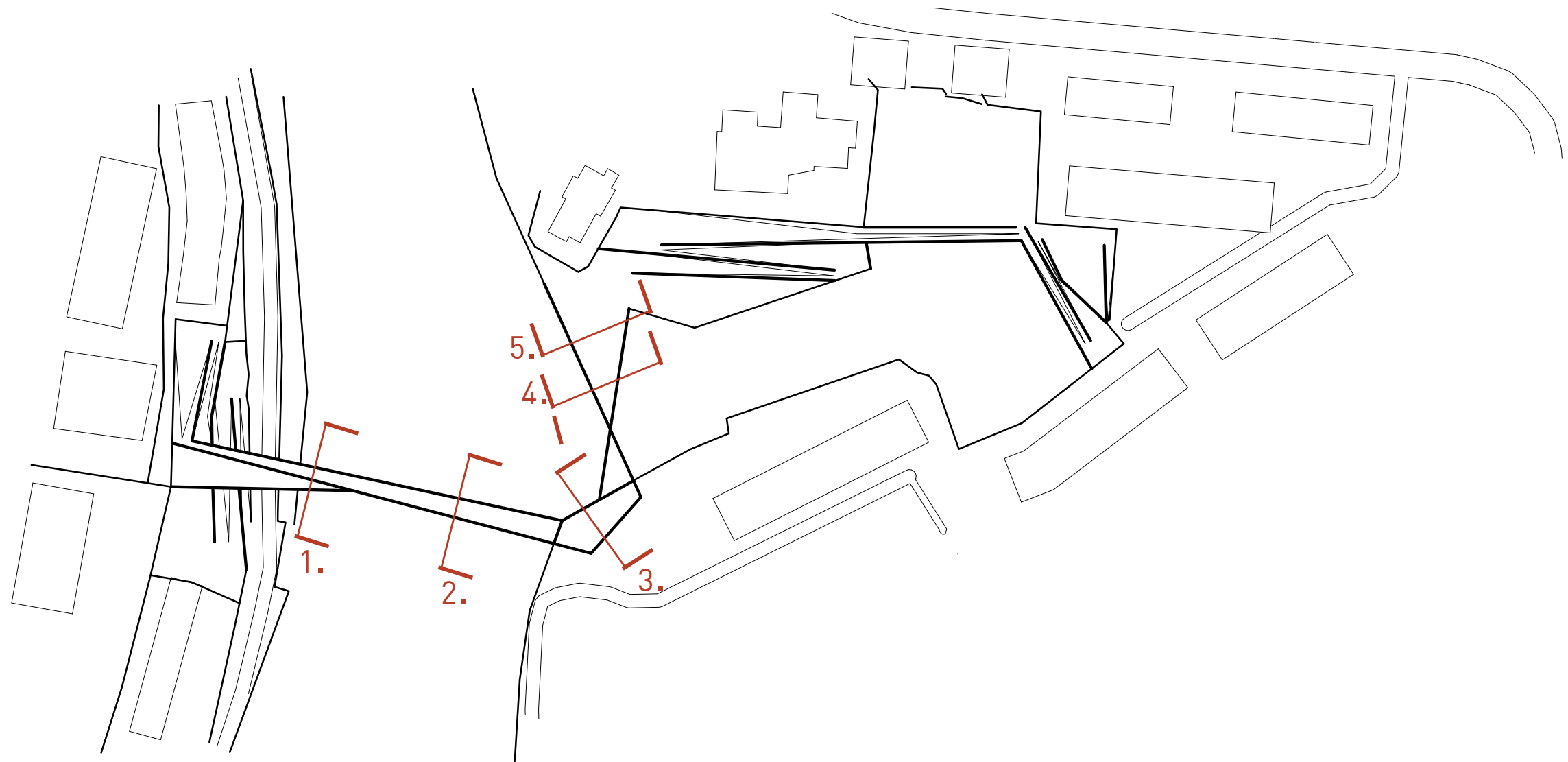


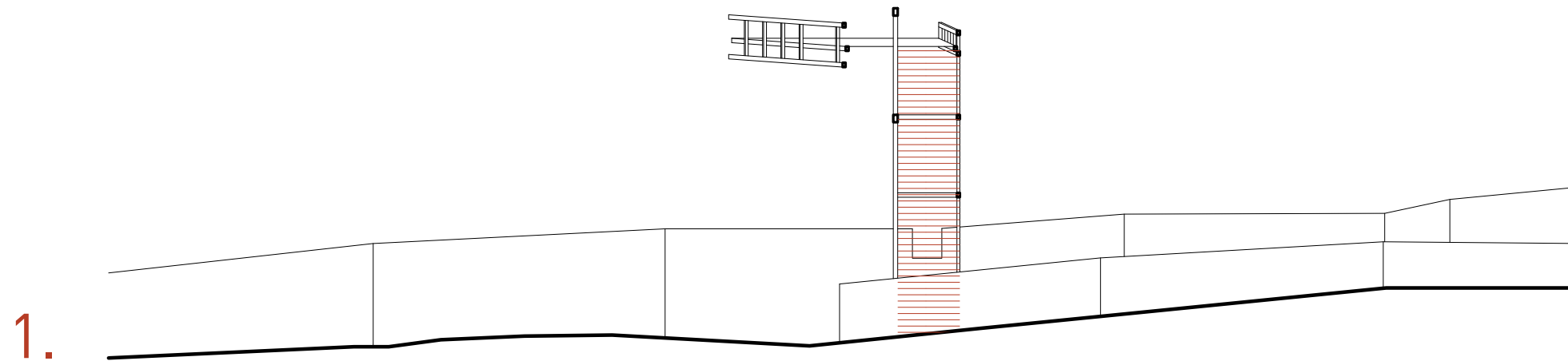
CHANGING CONDITION

DESIGN INTENTION

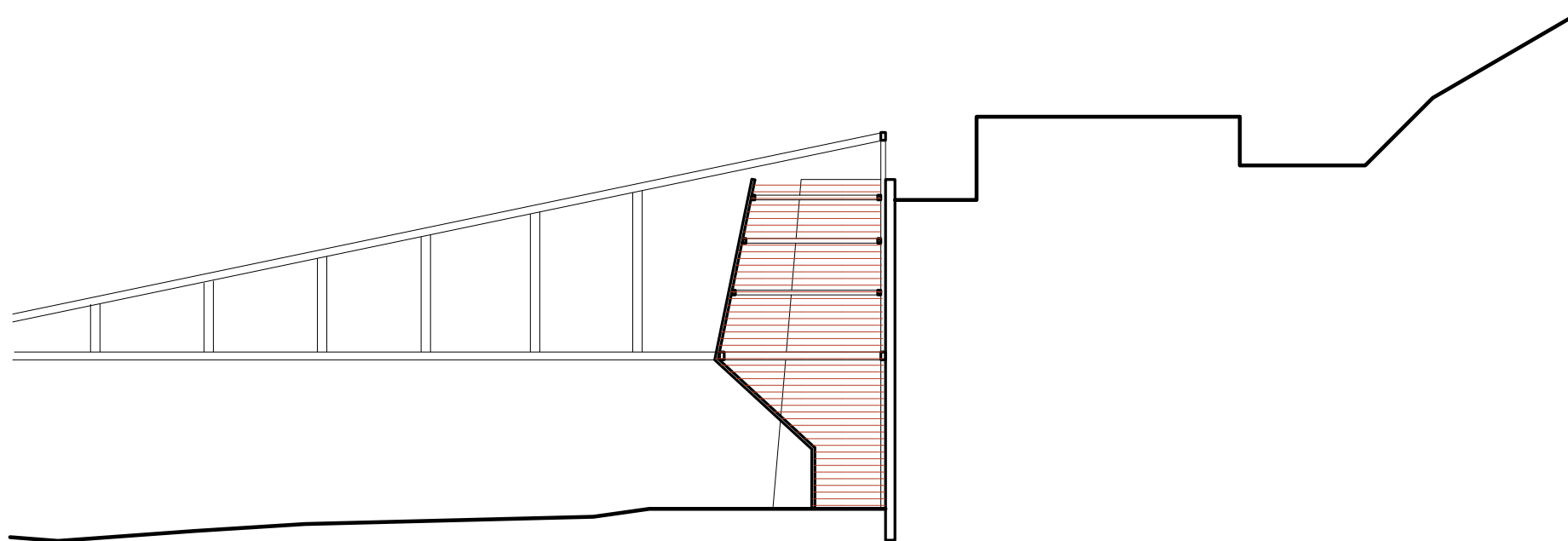
Speculations on Campo Marzio - Pier Vittorio Aureli

<http://bustler.net/events/latest/4130/pier-vittorio-aureli-theory-and-ethos>

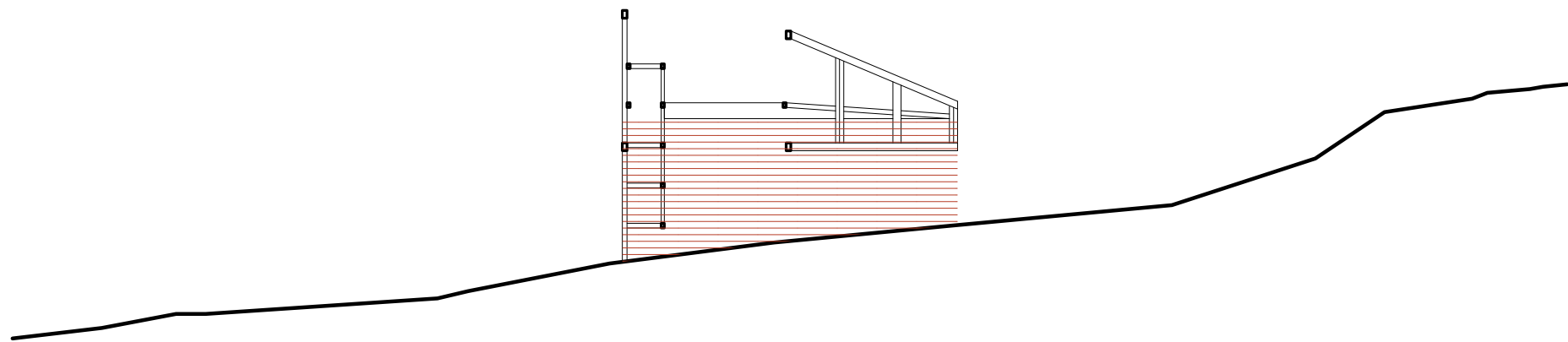


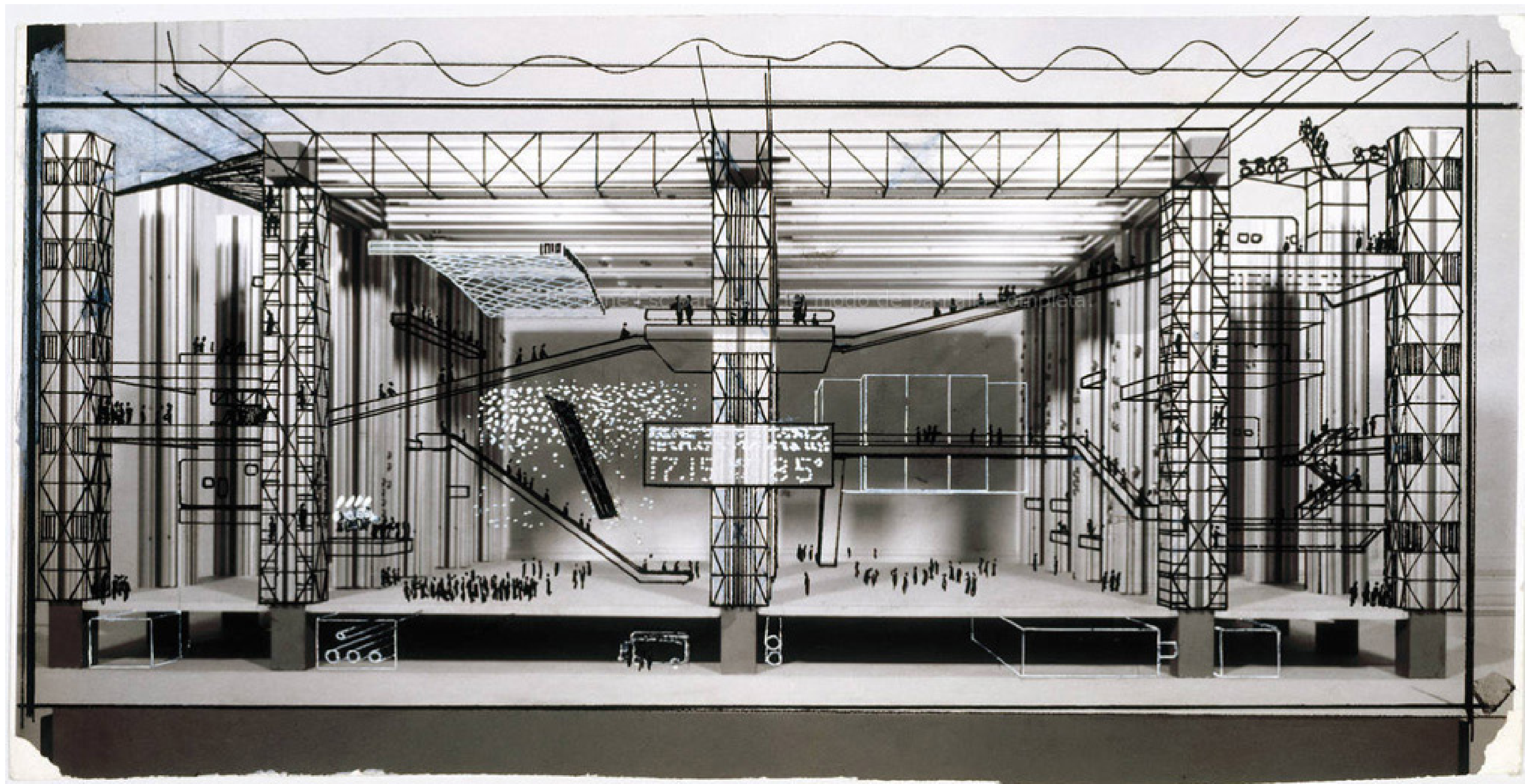


3.



5.

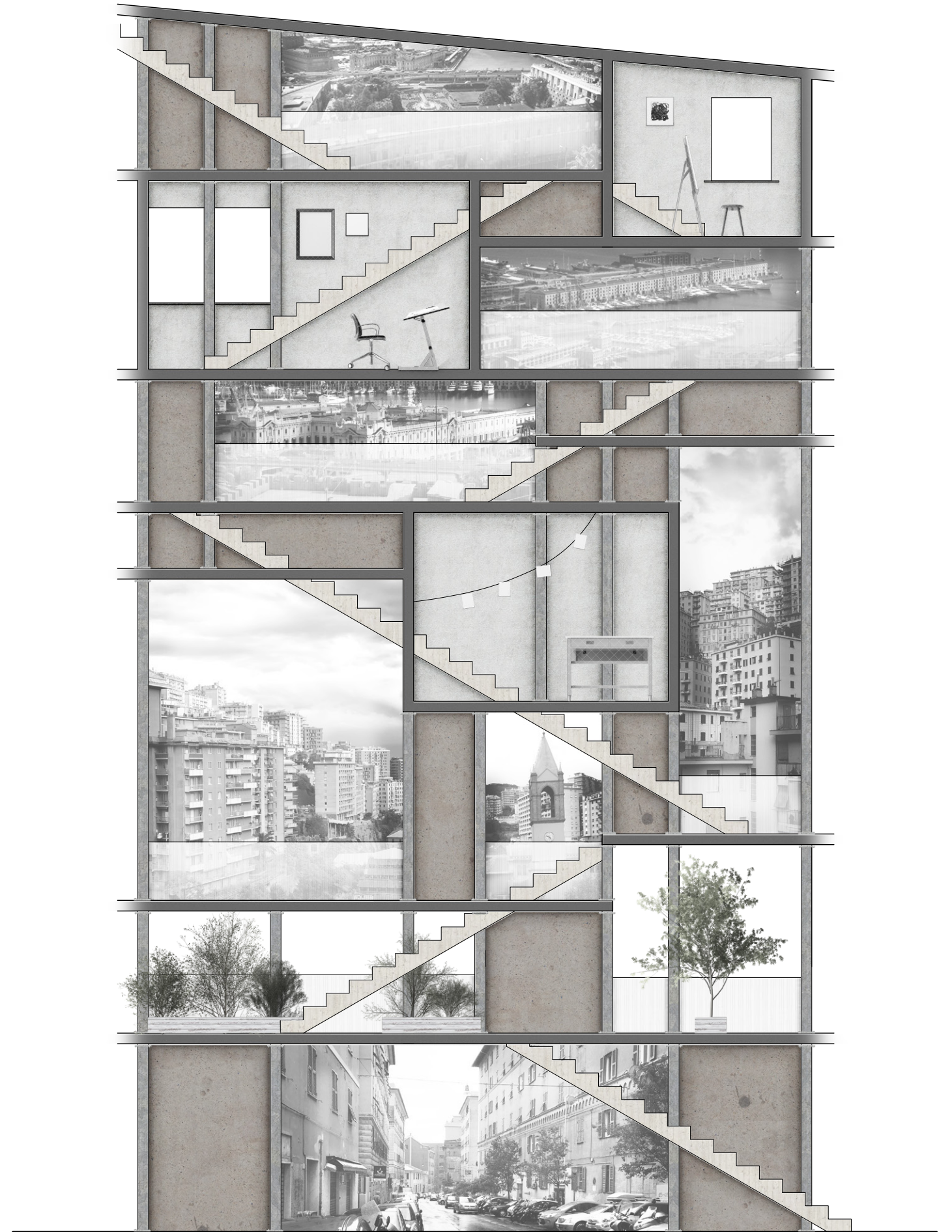




FRAME
DESIGN INTENTION

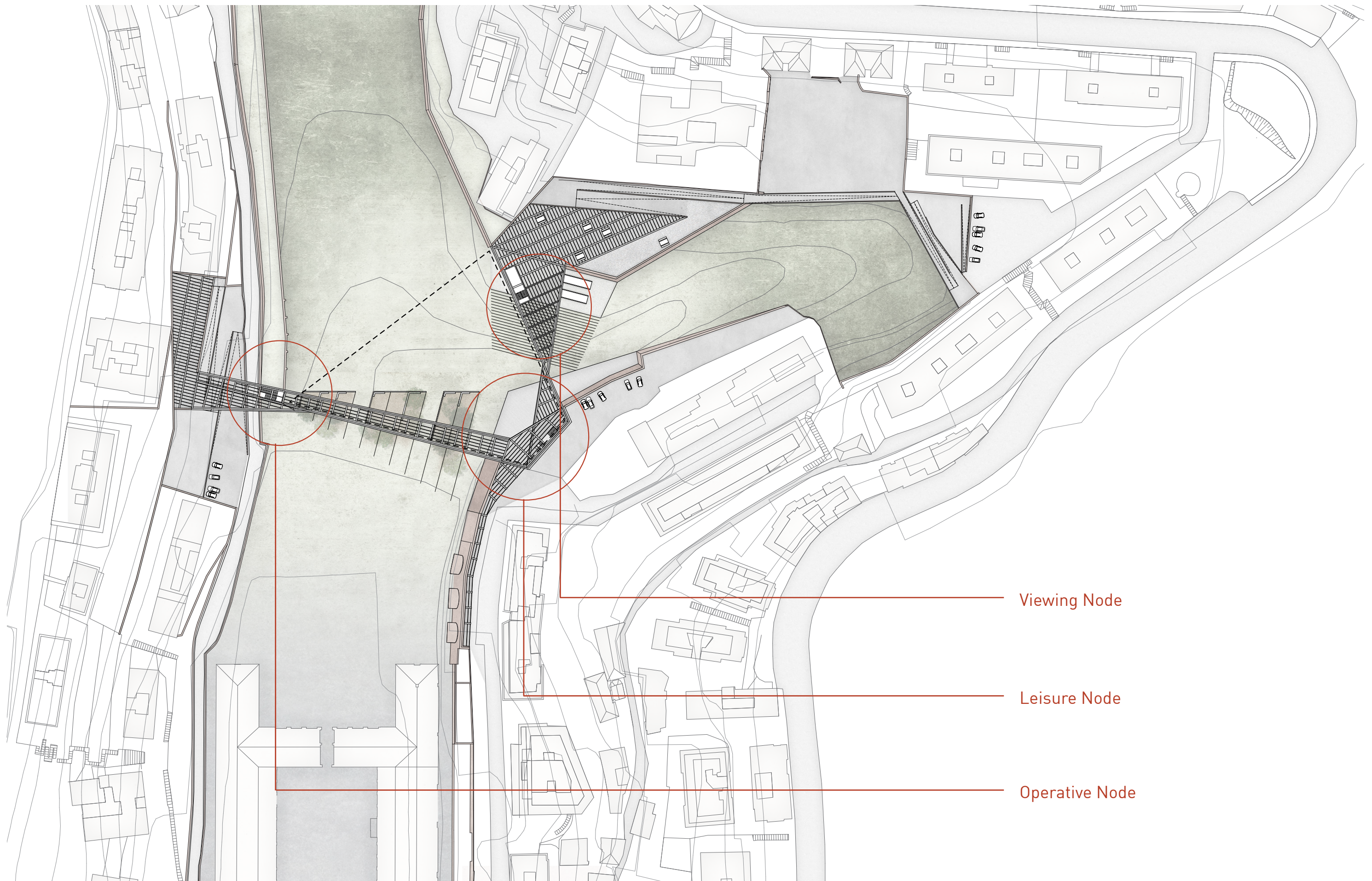
Fun Palace - Cedric Price

<http://www.interactivearchitecture.org/fun-palace-cedric-price.html>



DESTINATION
DESIGN INTENTION

Drawing impression of a part of the connecting structure saturated with programs



PROGRAMMATIC NODES

PROPOSAL

Positioning of nodes along the structure

VIEWING NODE:

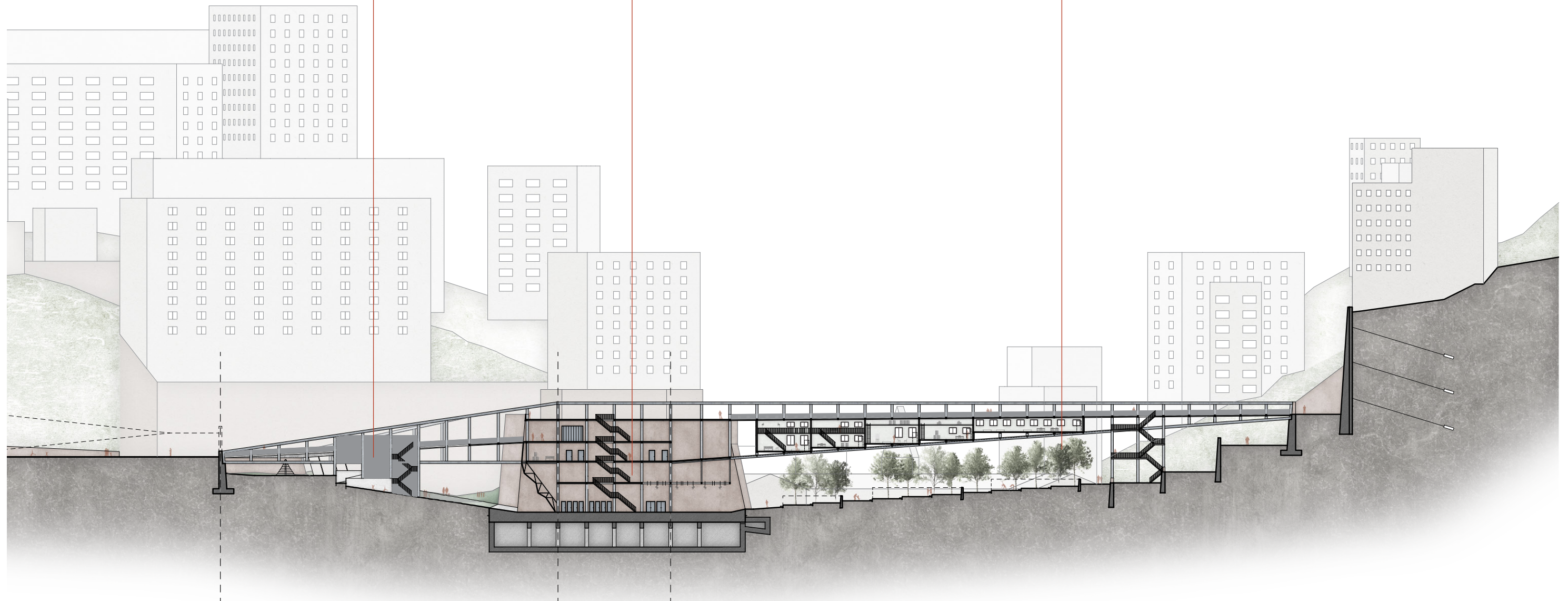
- Playground
- Terrace
- Vantage Viewpoint
- Auditorium

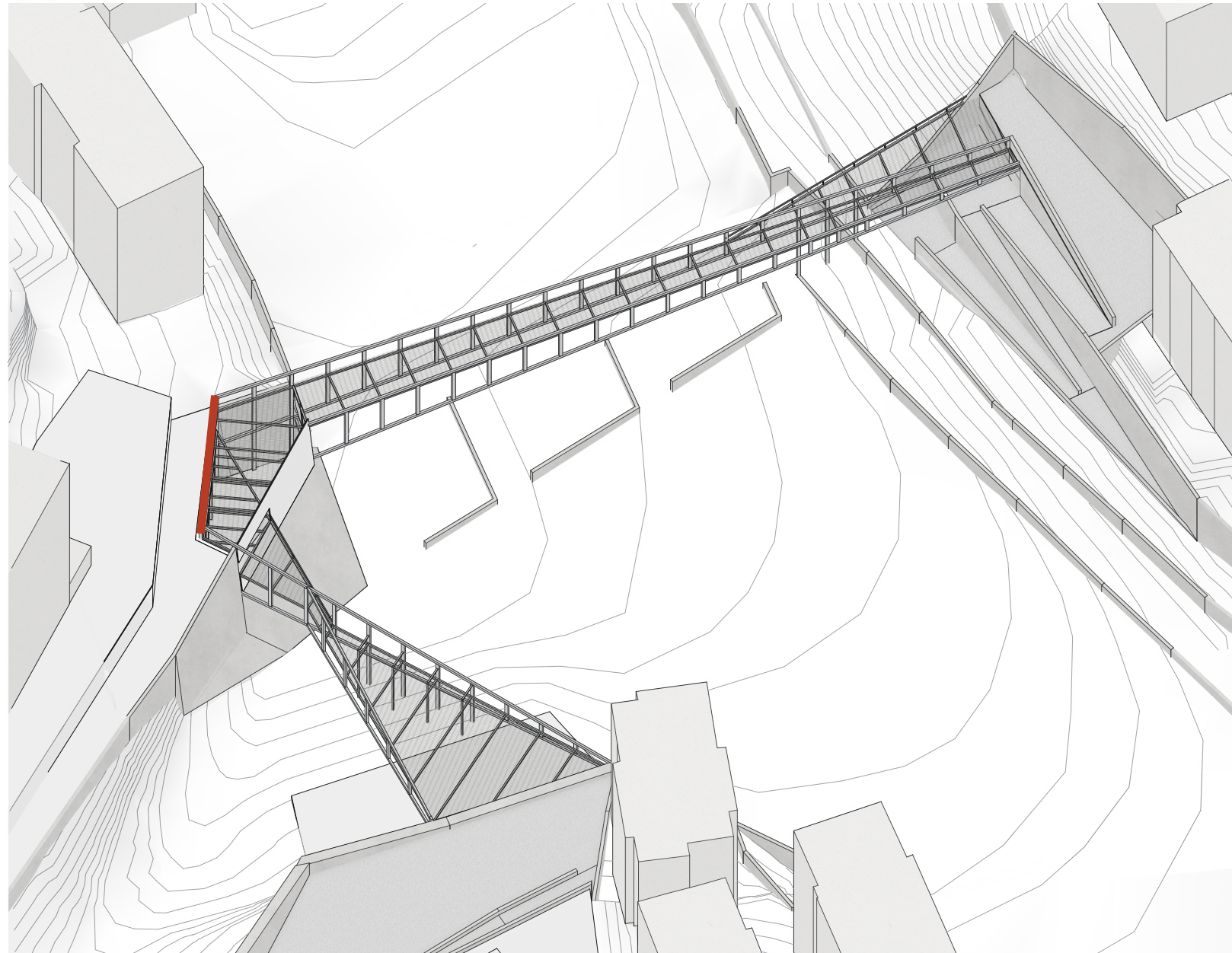
LEISURE NODE:

- Cafe
- Climbing Gym
- Storage
- Changing Rooms
- Stage
- Piazza

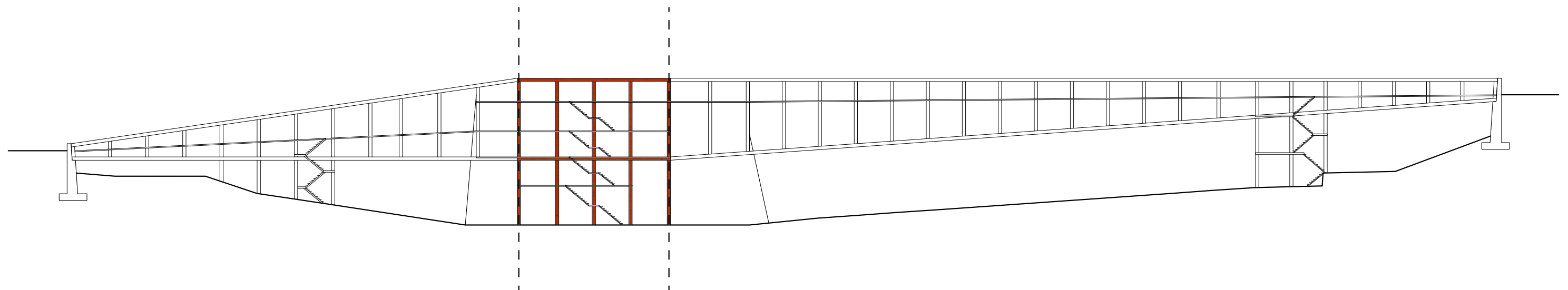
OPERATIVE NODE:

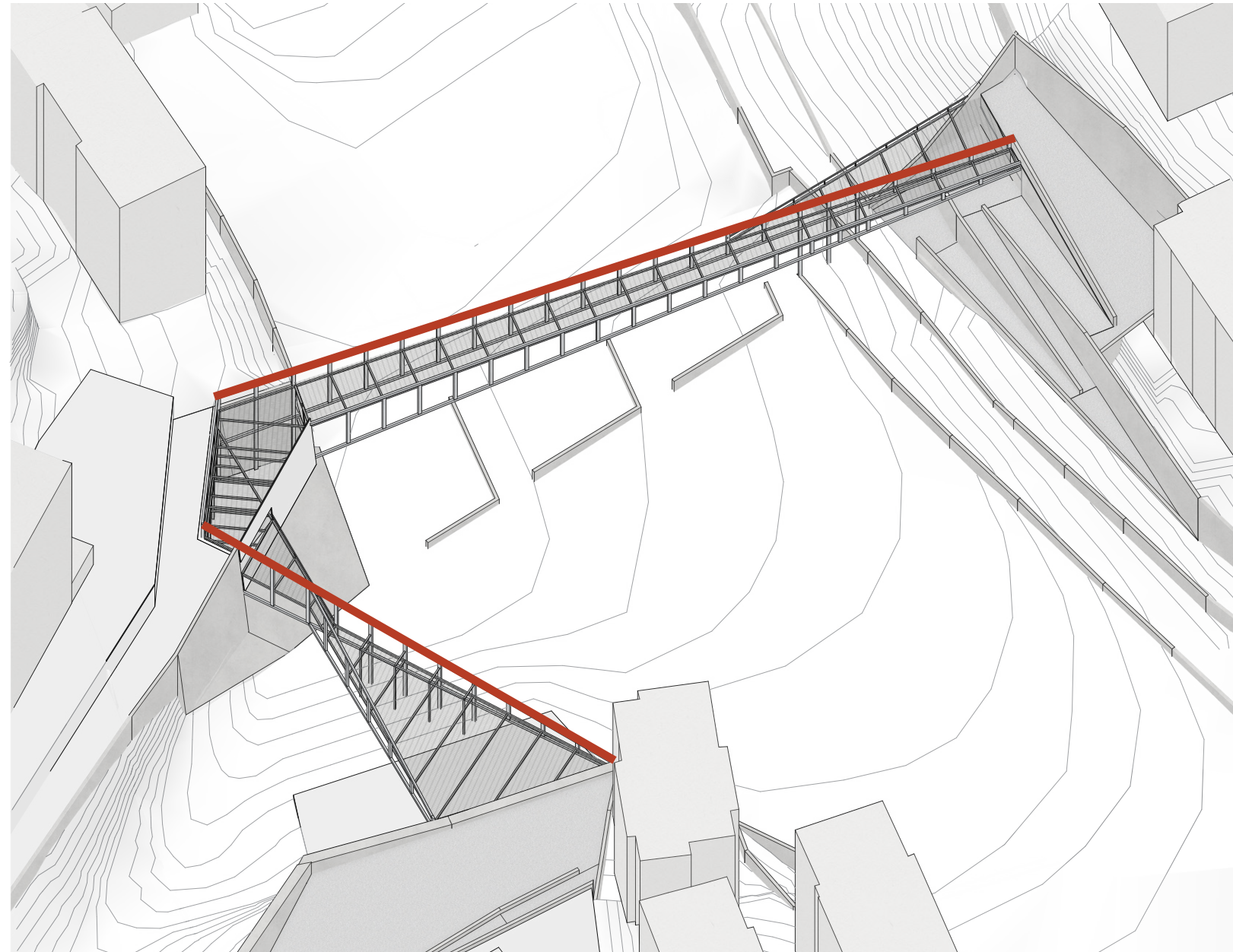
- Gardens
- Workshops
- Meeting area
- Vantage Viewpoint
- Gate



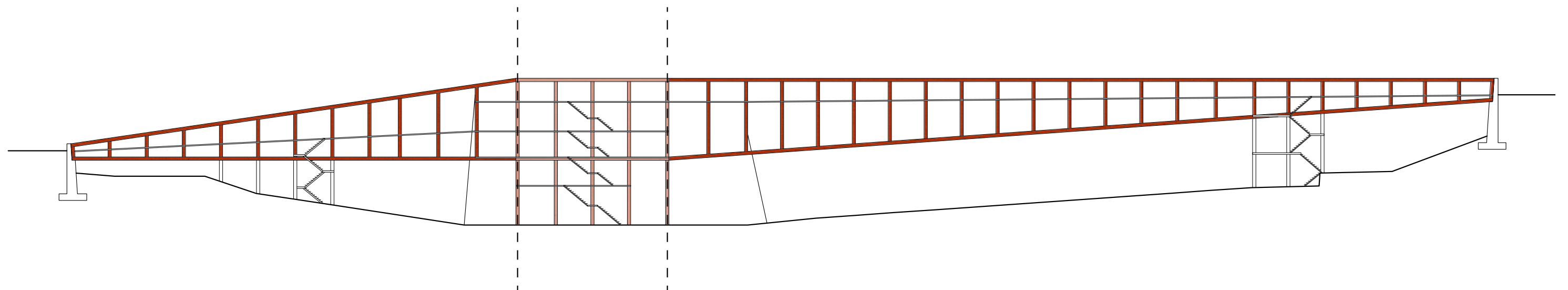


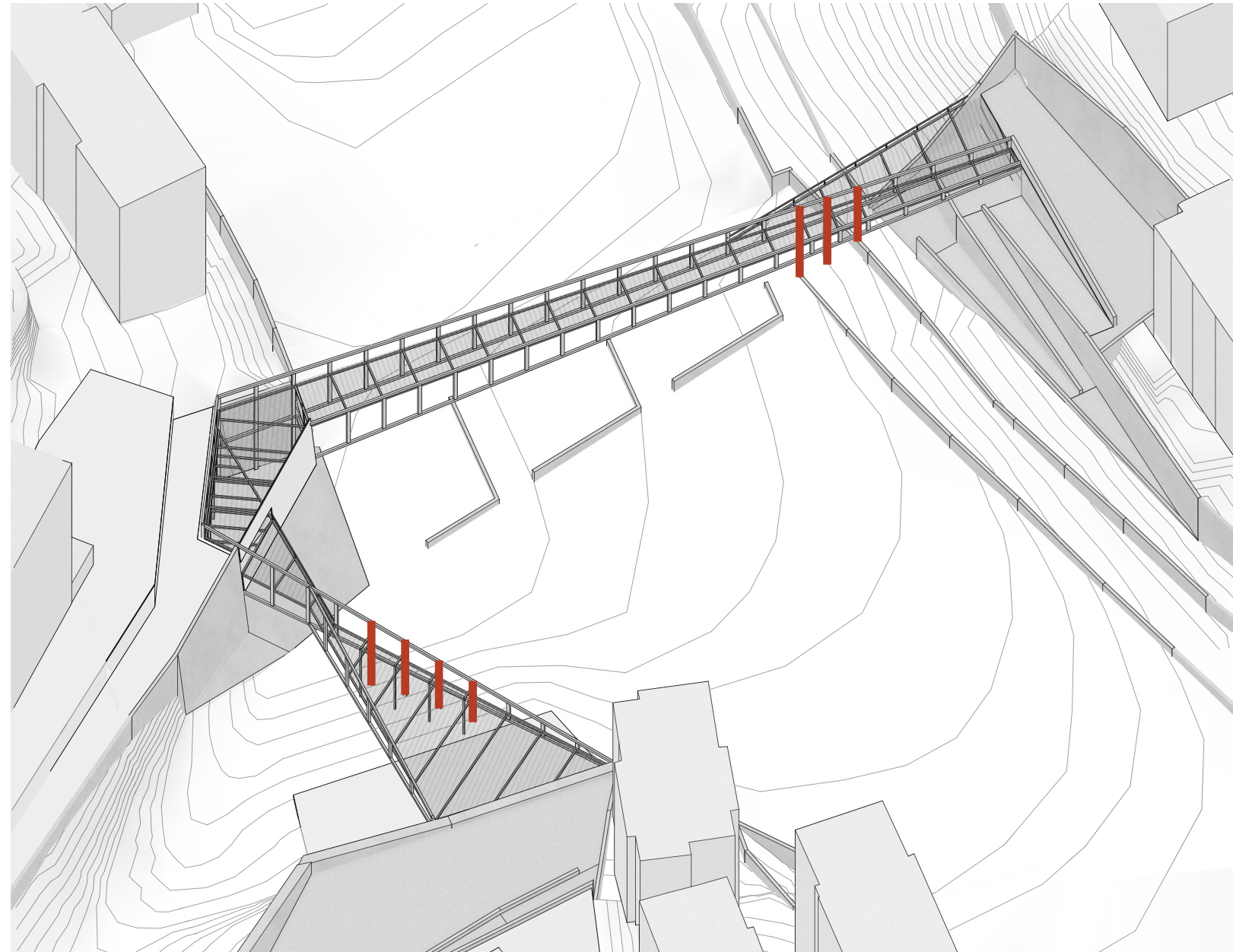
Central node structure



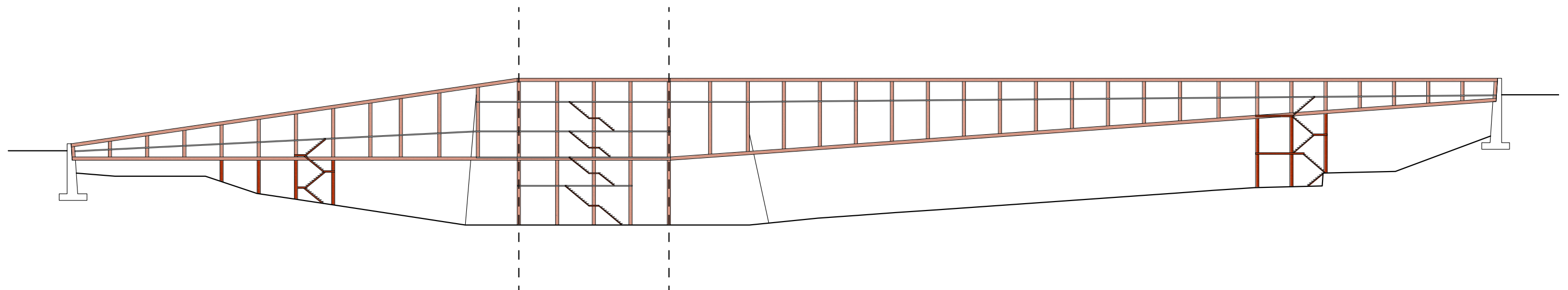


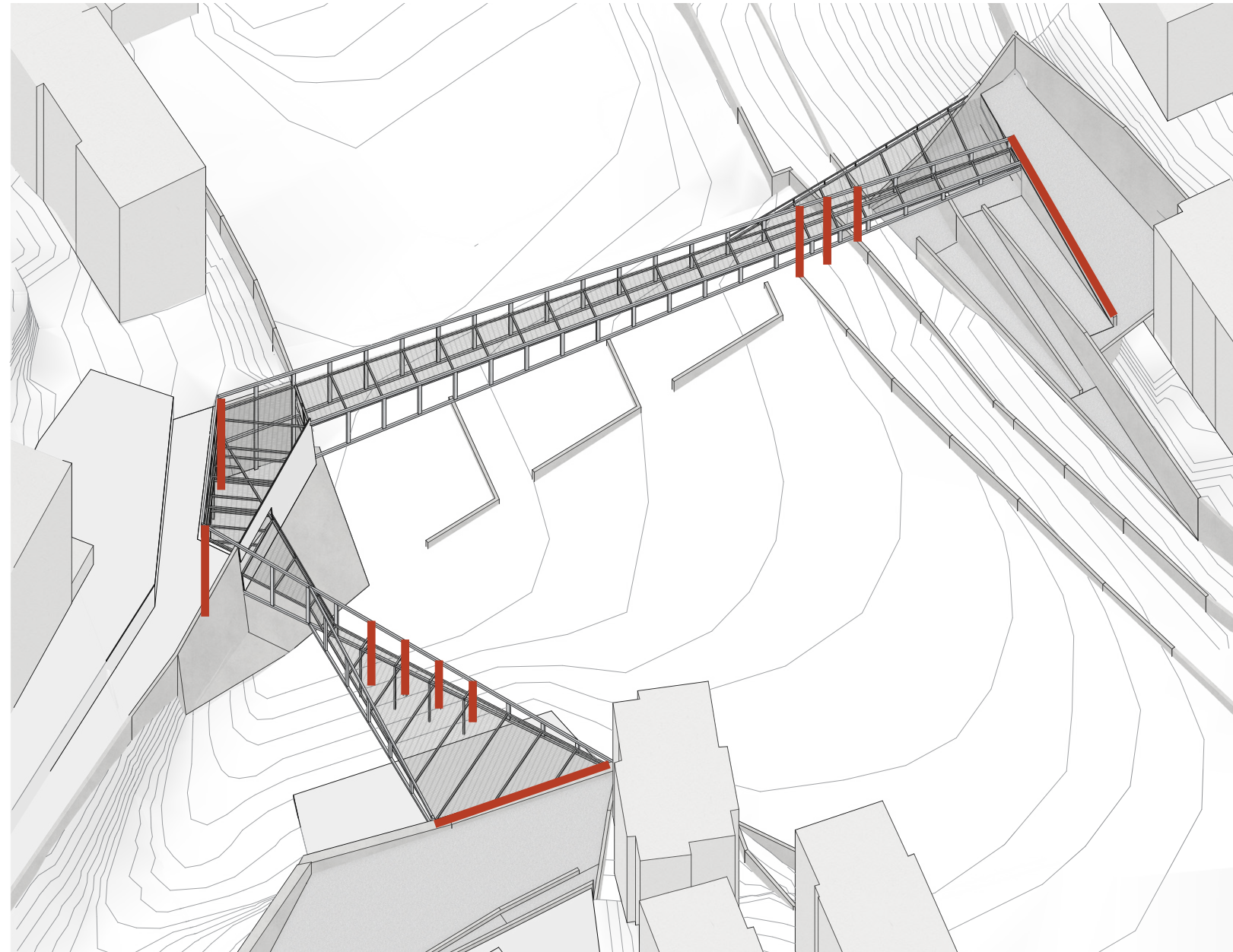
Vierendeel Trusses



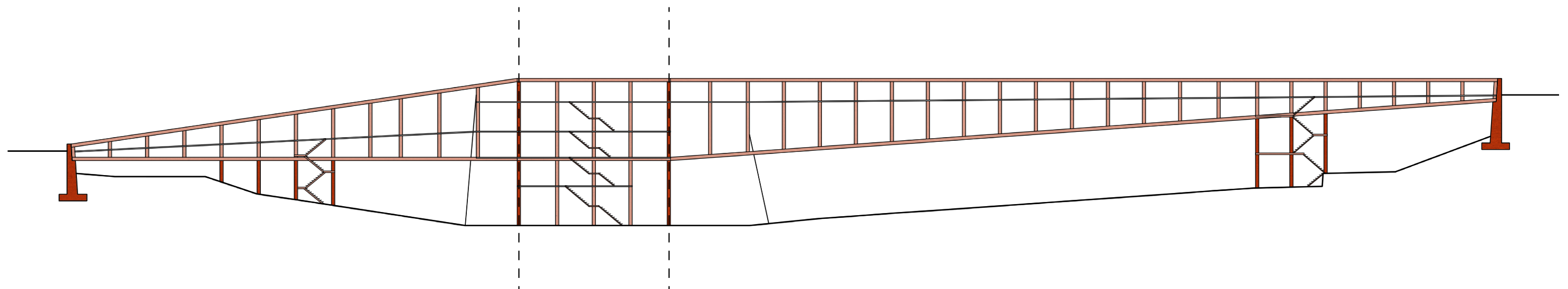


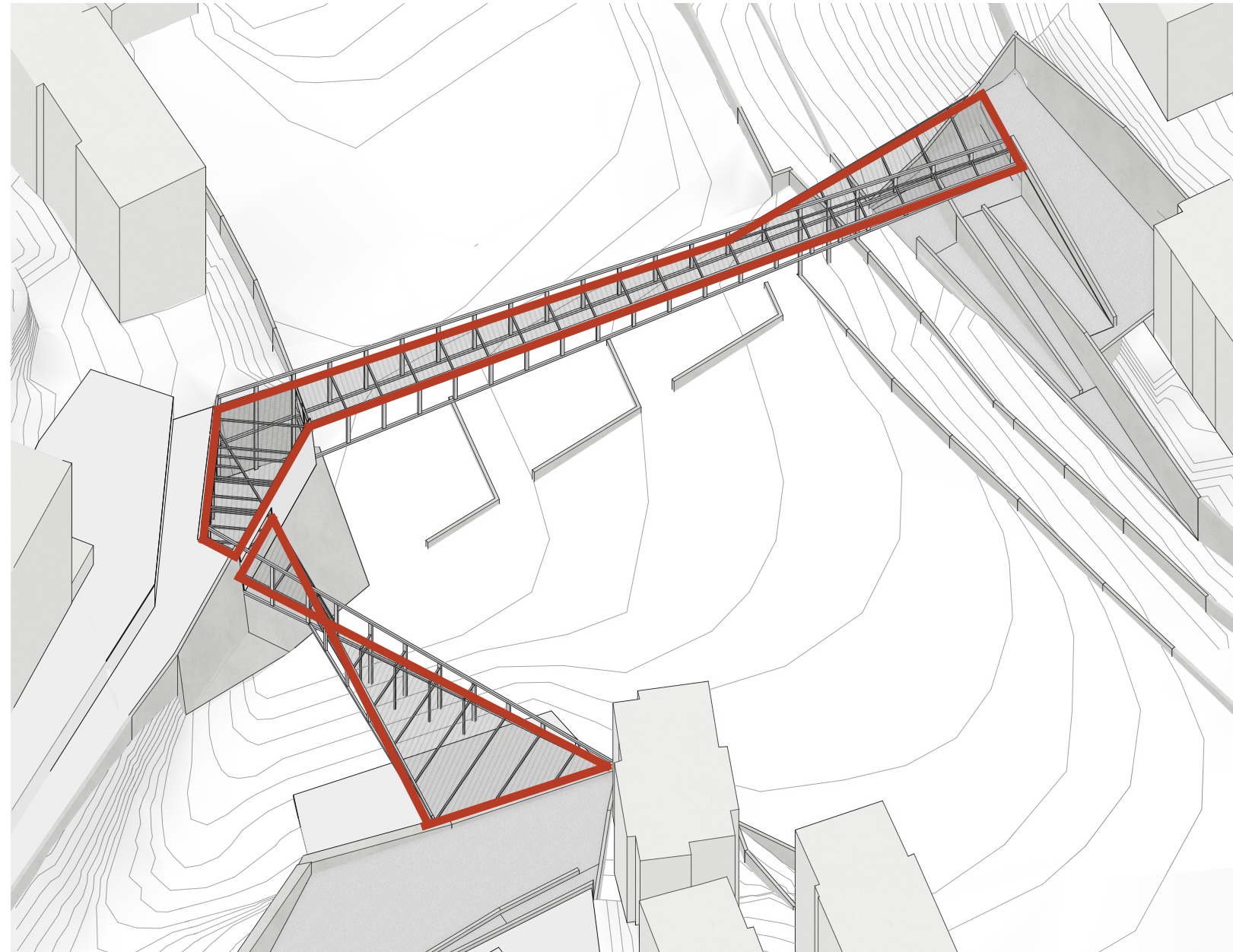
Vertical Support



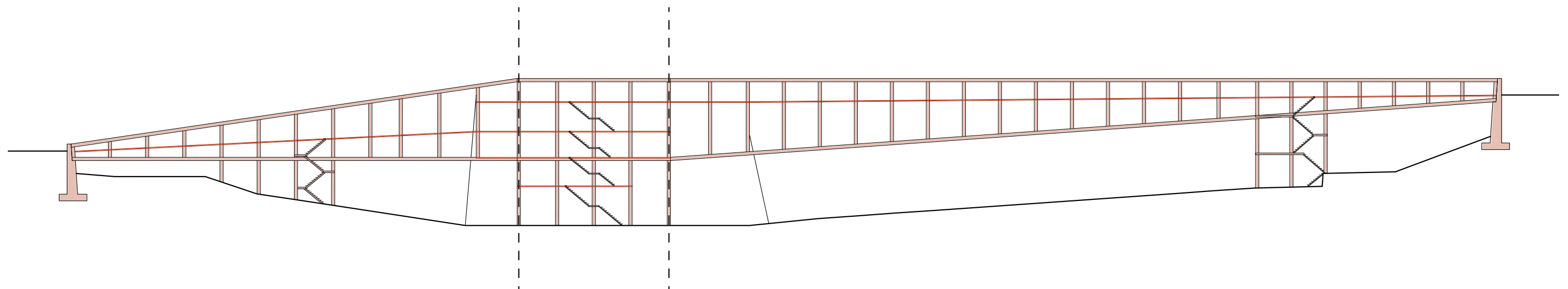


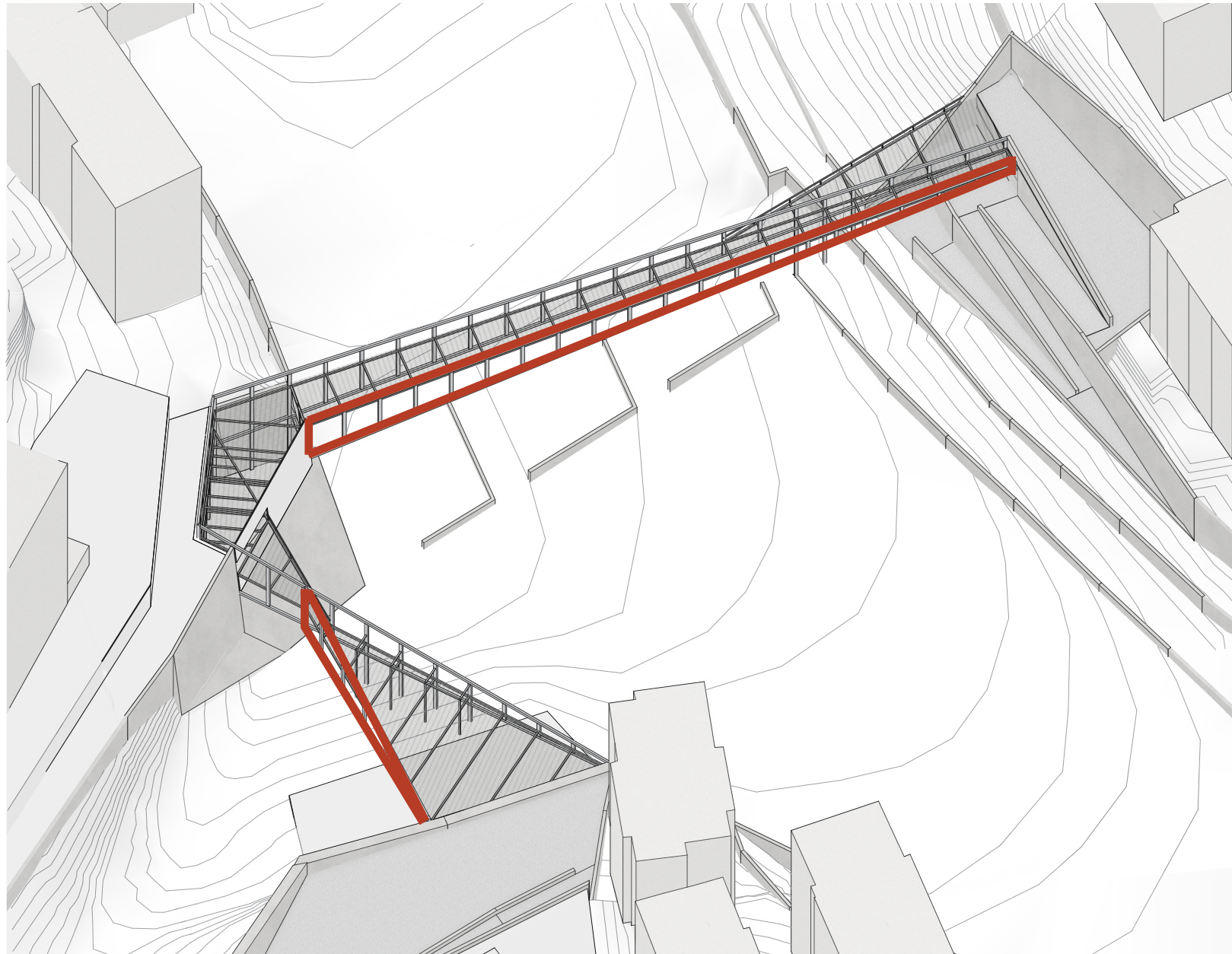
Supporting structures



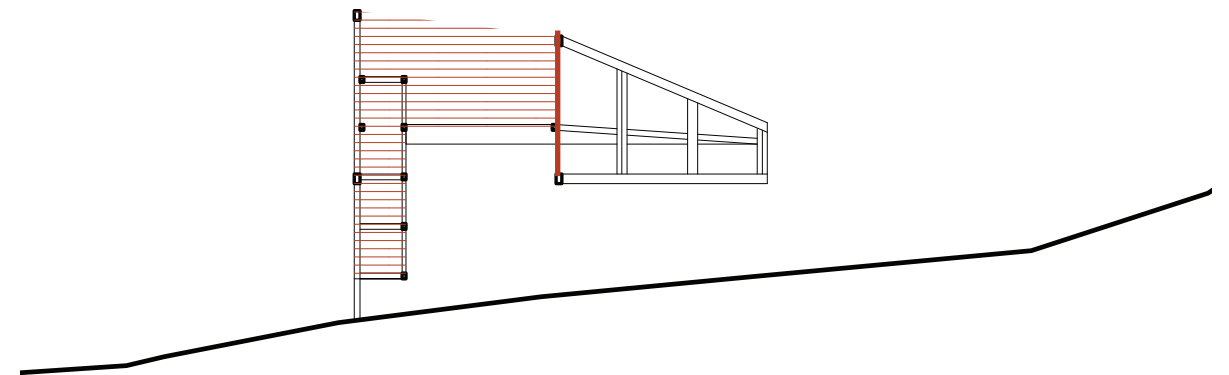
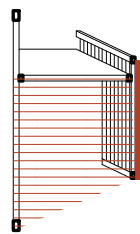


Decks





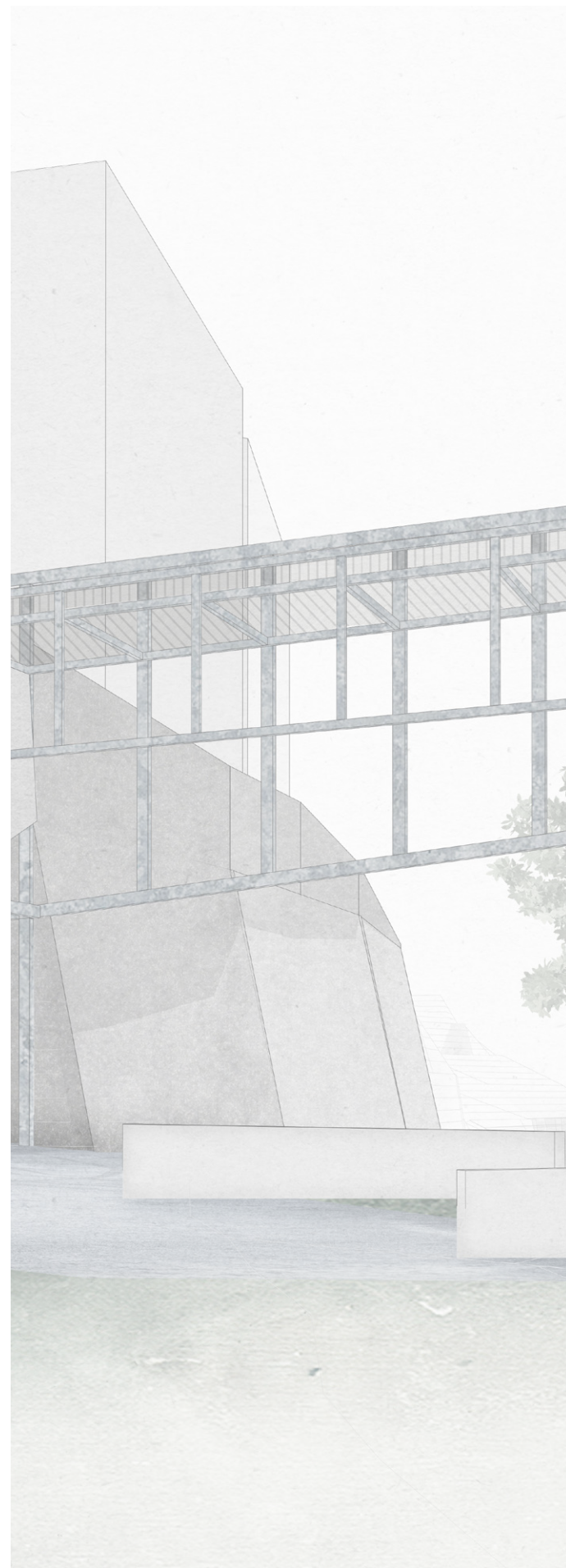
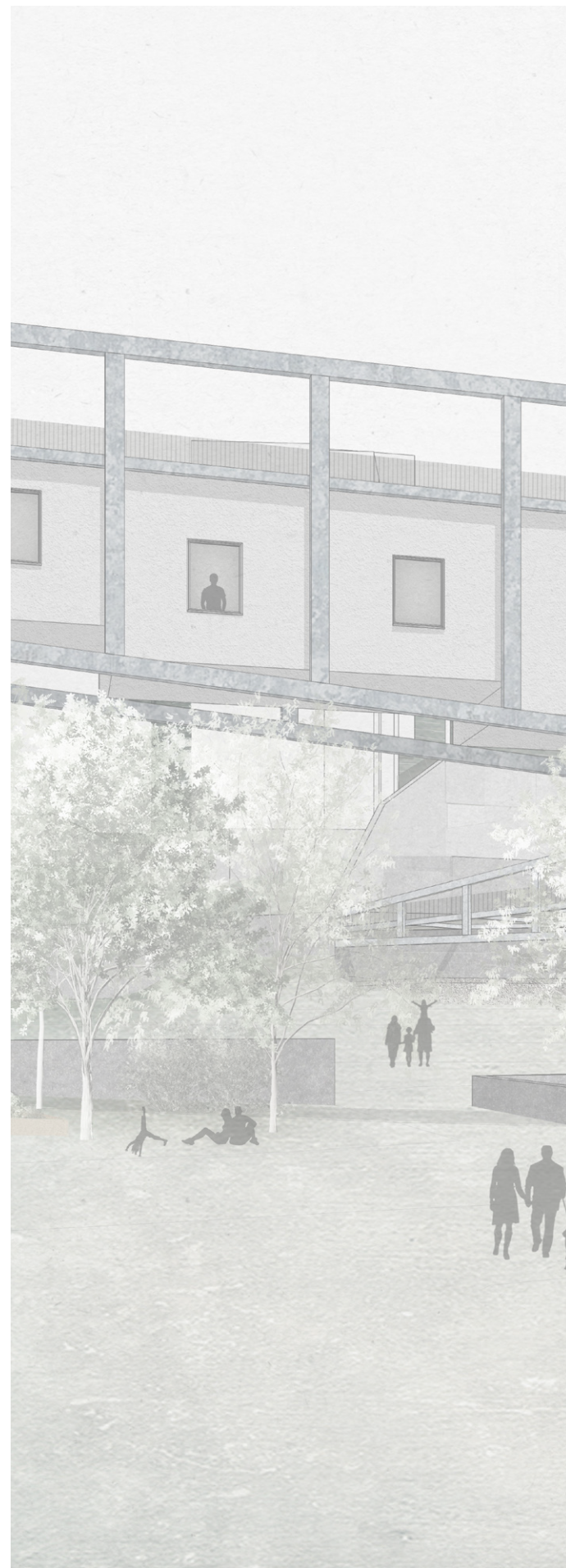
Double Trusses



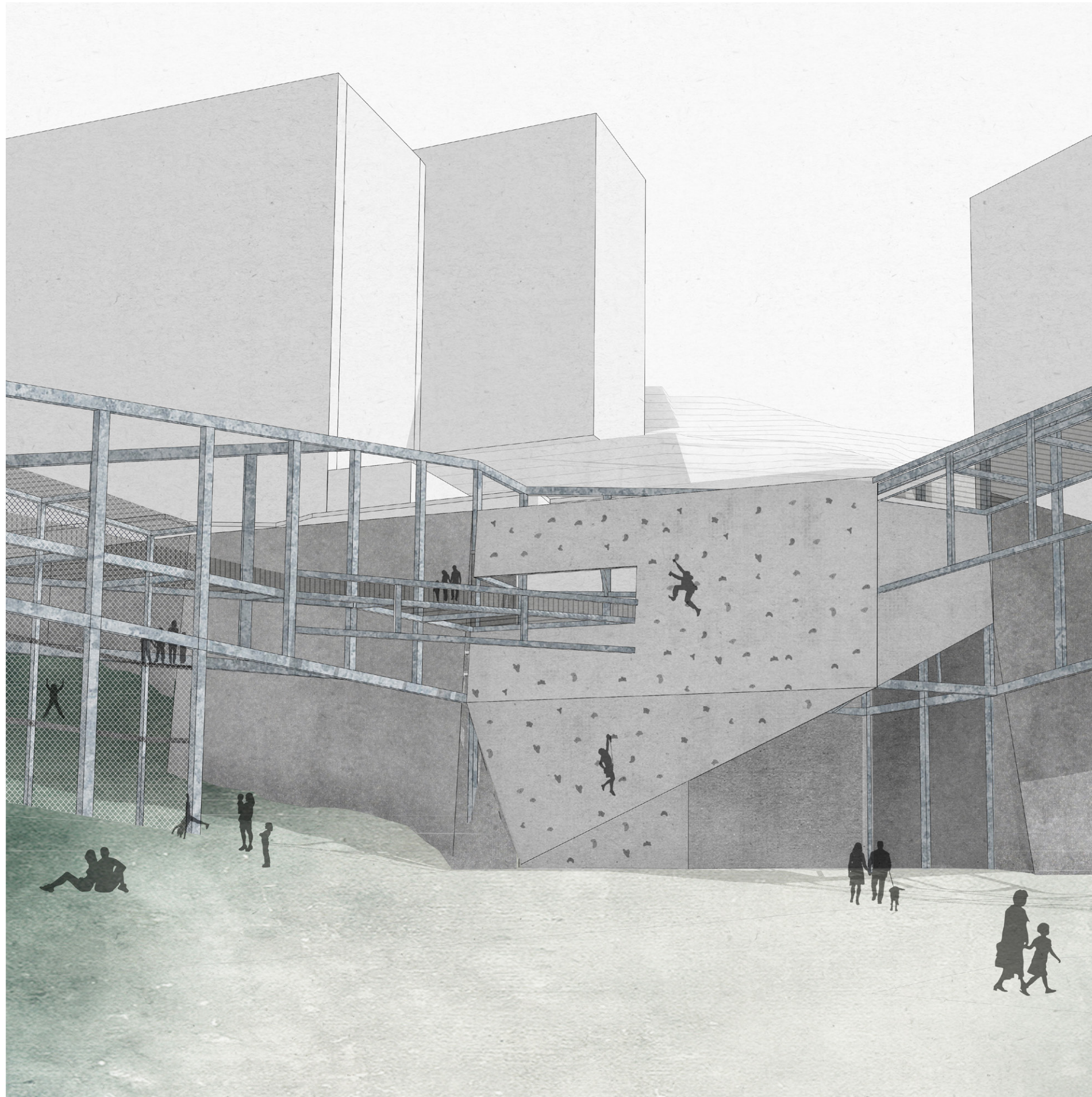
STRUCTURAL GESTURES

PROPOSAL

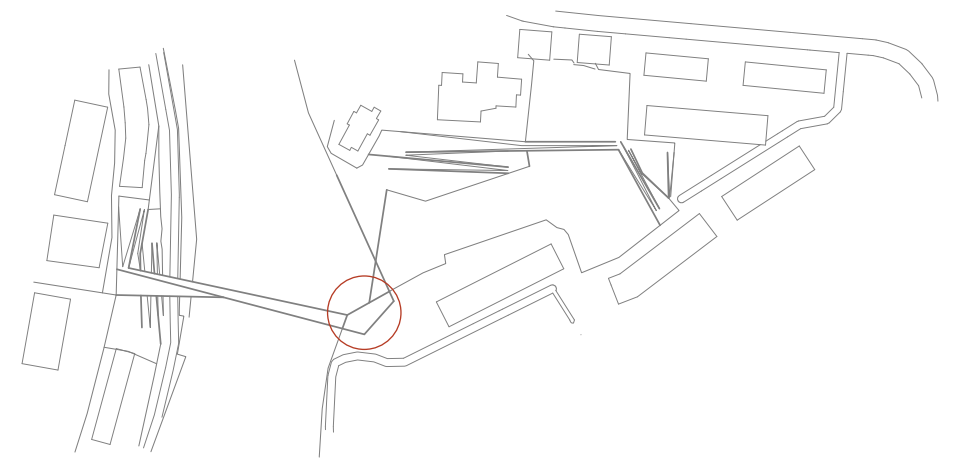
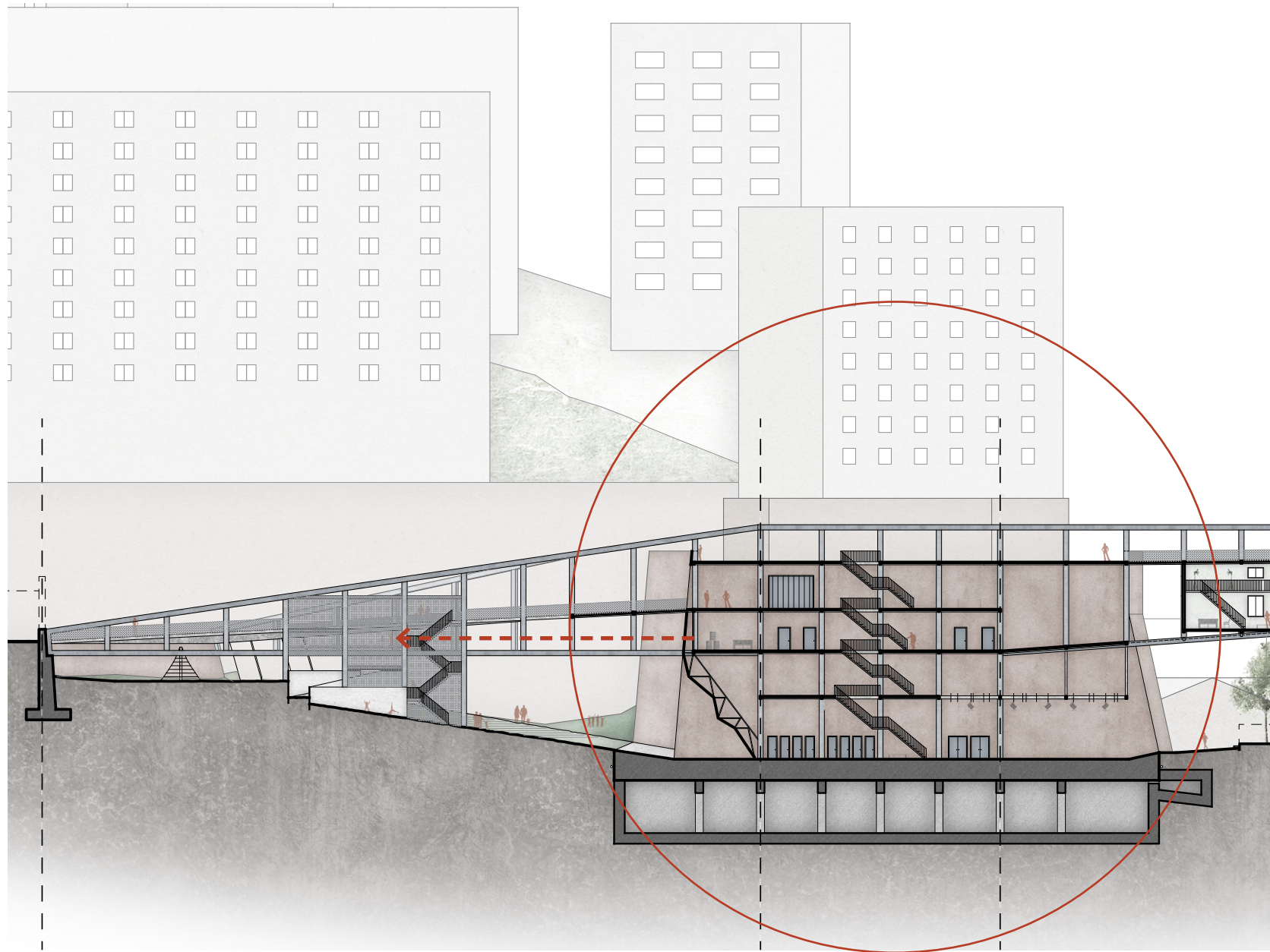
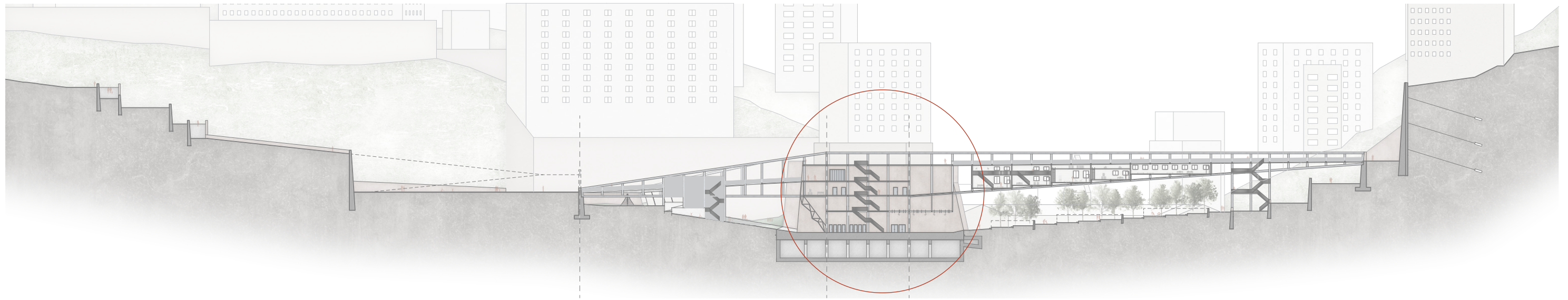
The 'doubling' of the trusses creates an opportunity to shelter programs within the structure



SCENARIOS
PROPOSAL

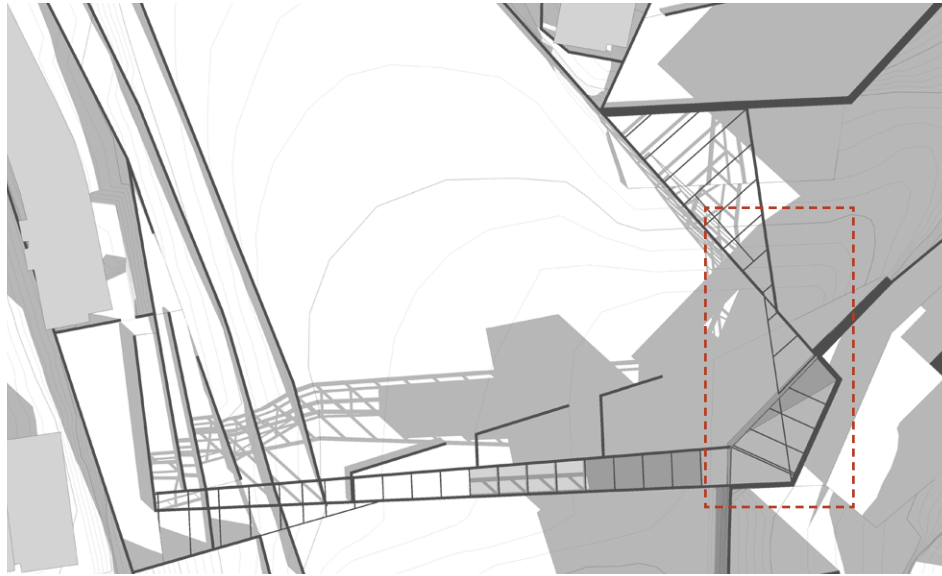


URBAN PLAYGROUND
PROPOSAL

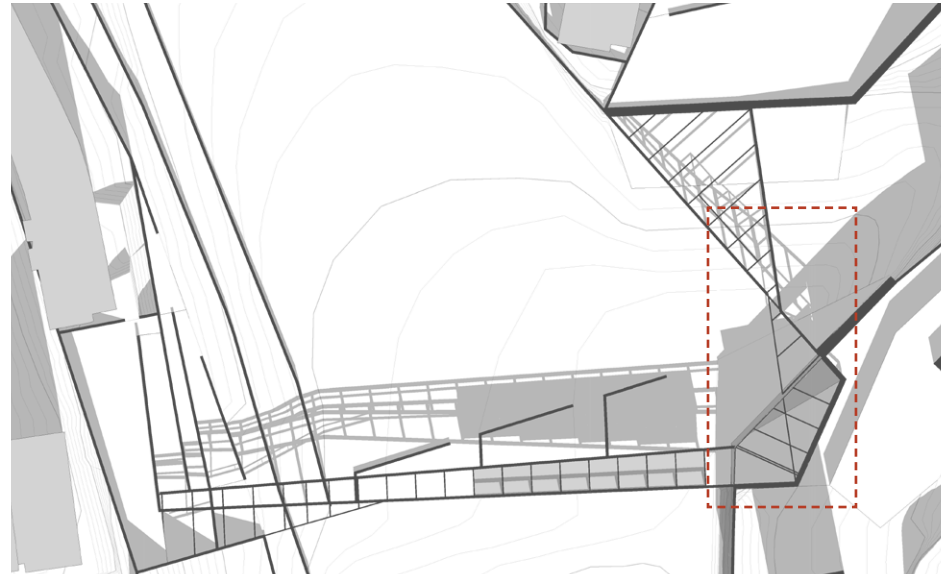


LEISURE NODE
PROPOSAL

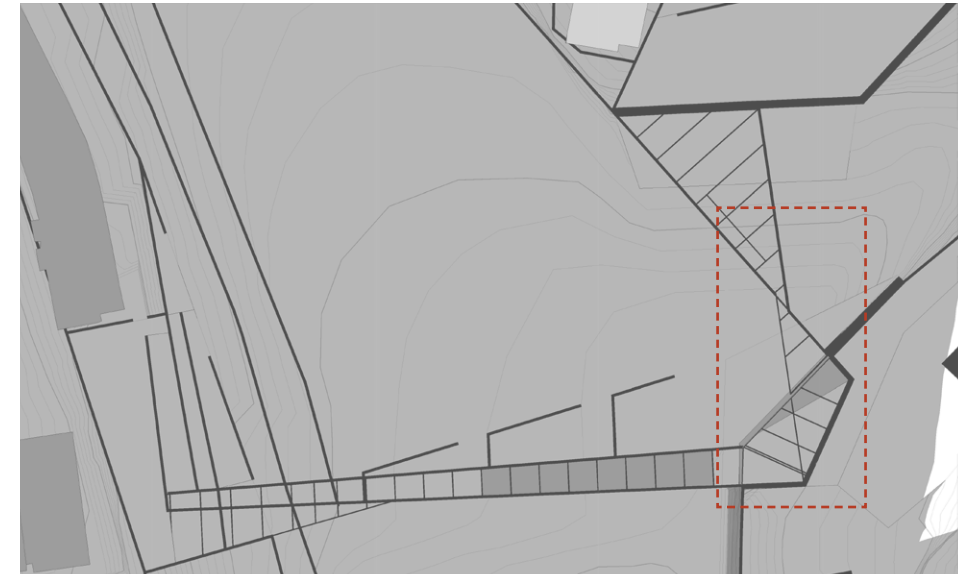
Leisure node influence over the proposal



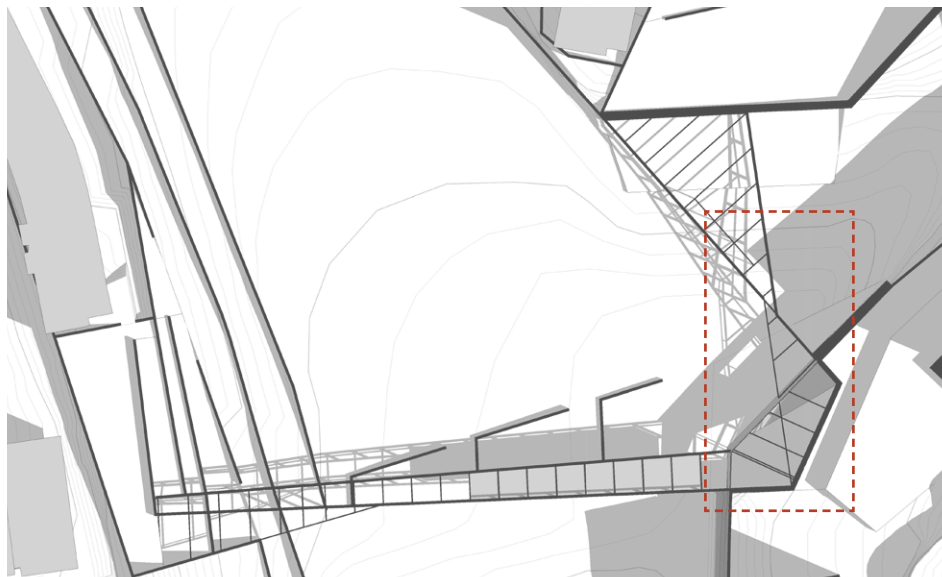
SPRING 10 AM



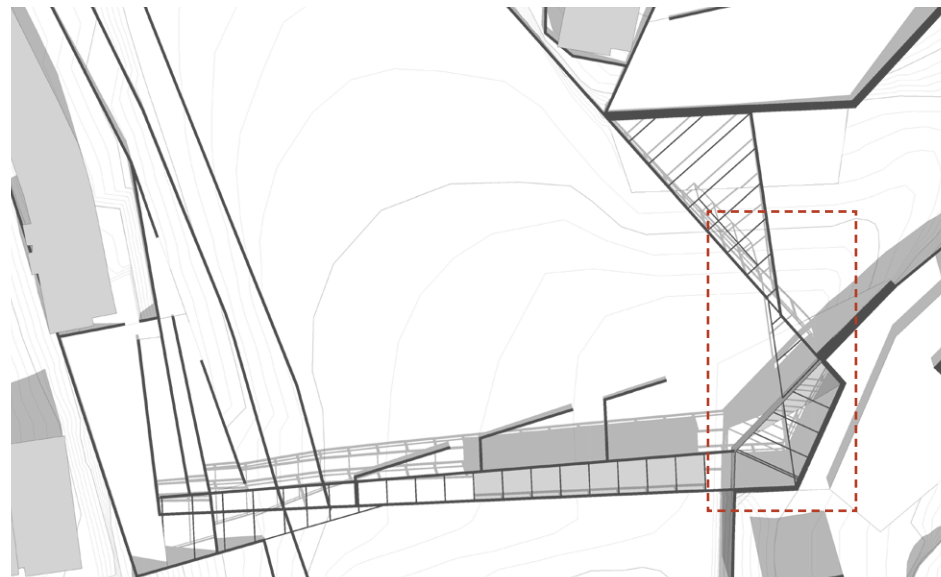
SPRING 12 PM



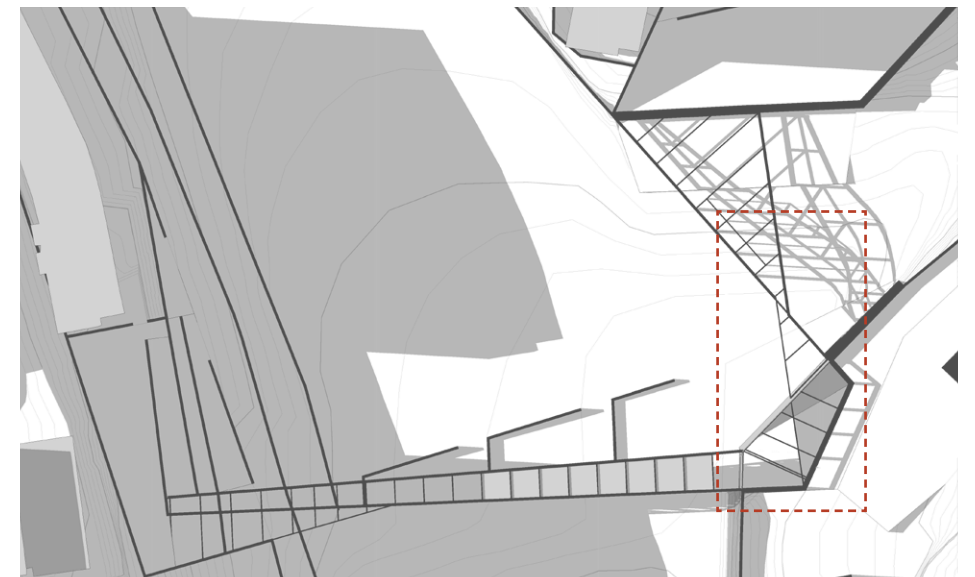
SPRING 5 PM



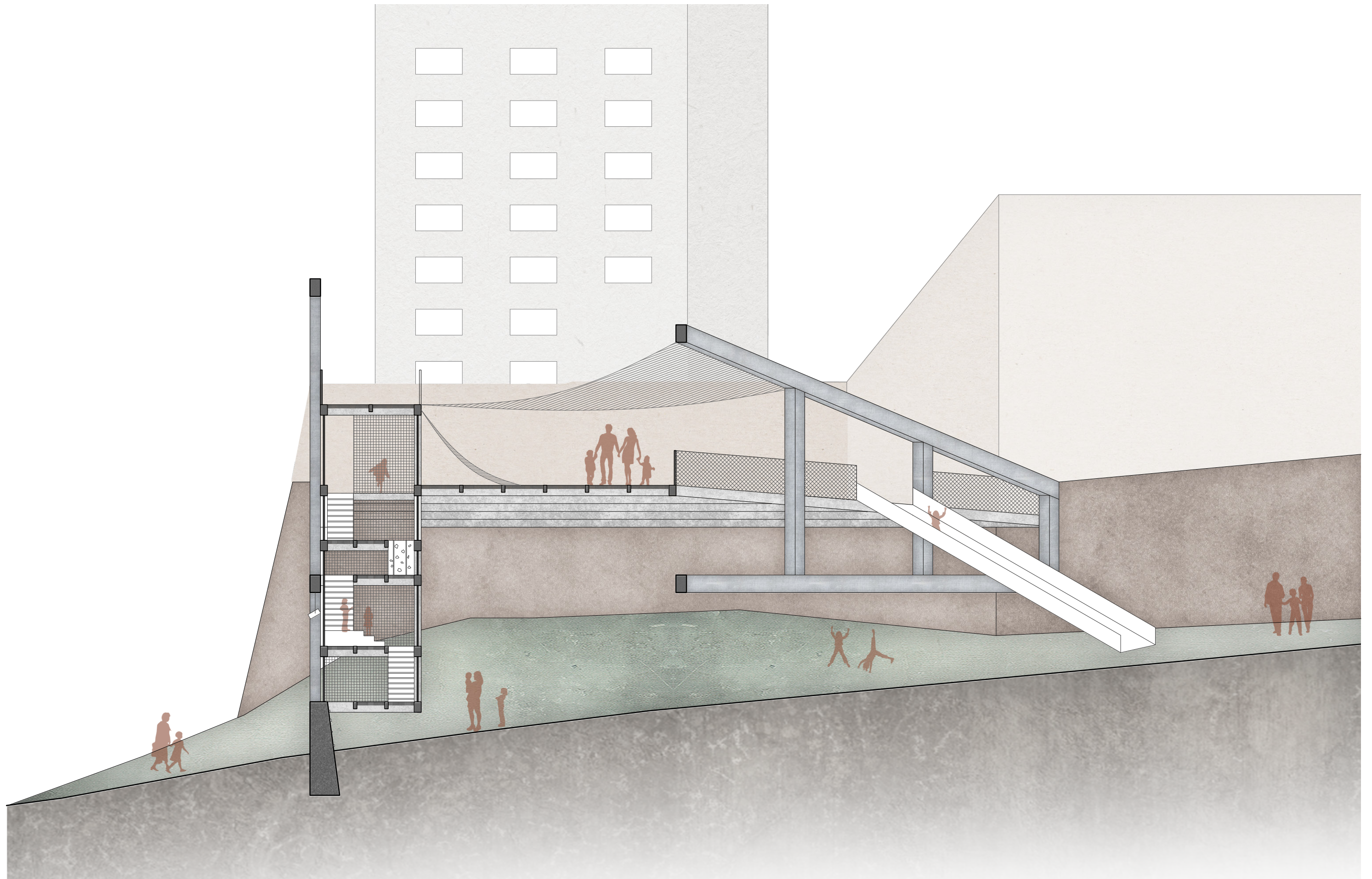
SUMMER 10 AM



SUMMER 12 PM

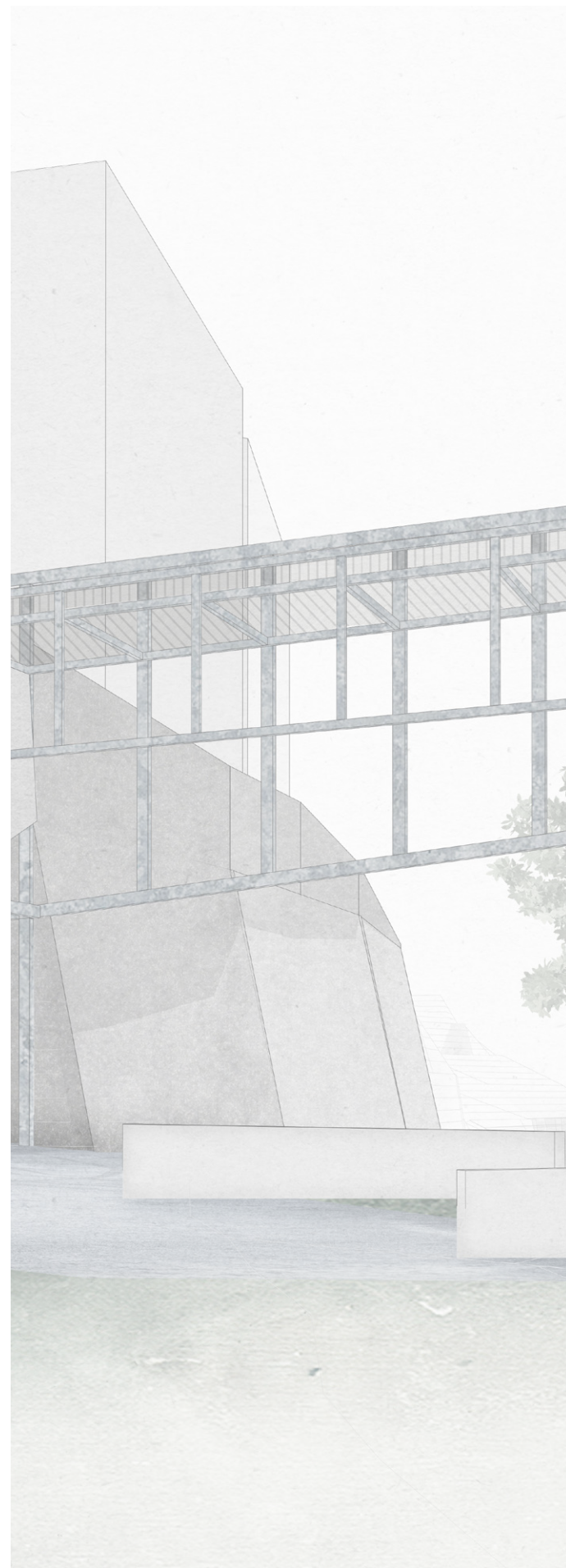
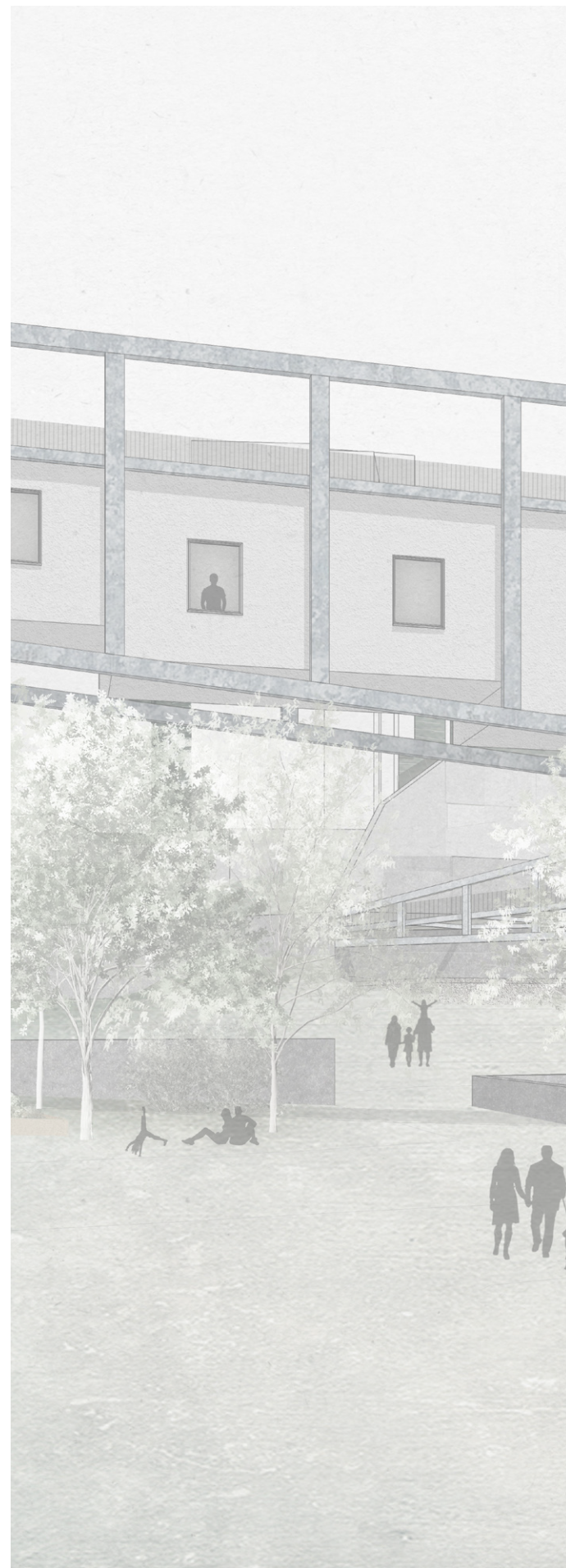


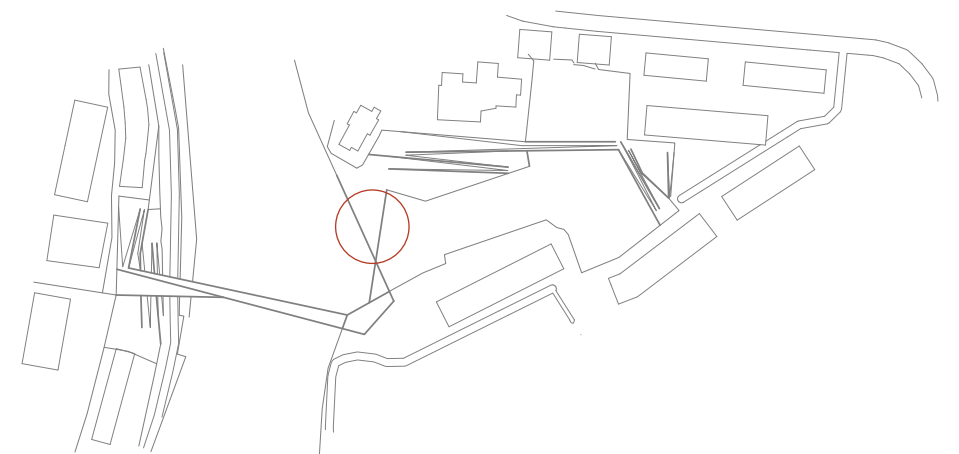
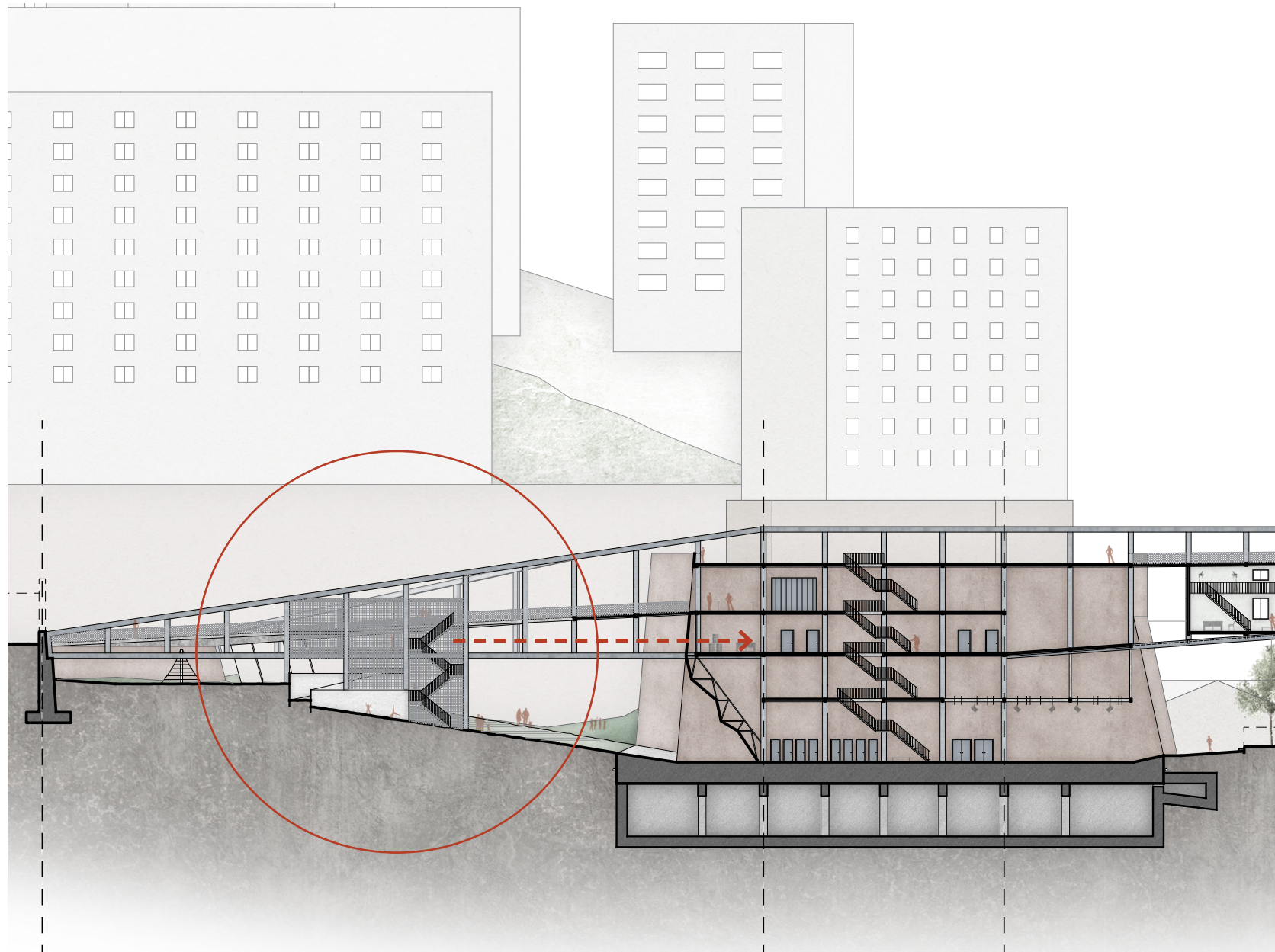
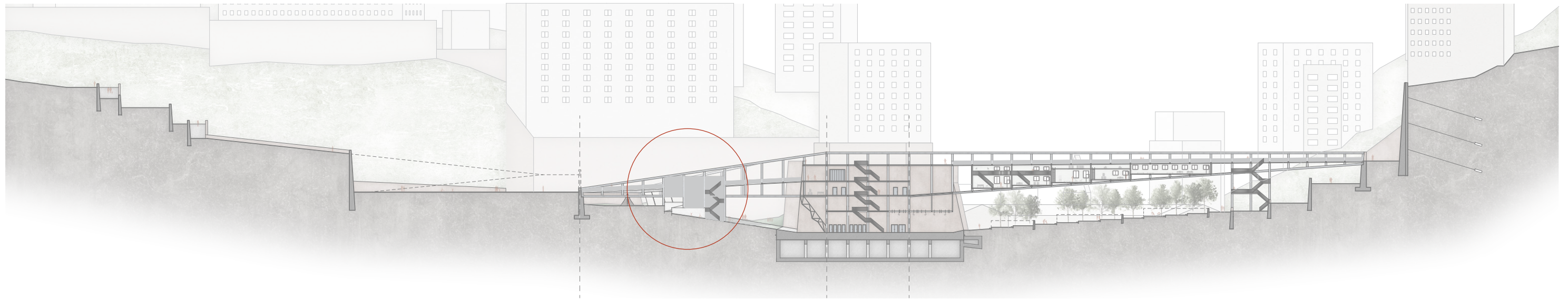
SUMMER 5 PM



KIDS' PLAYGROUND
PROPOSAL

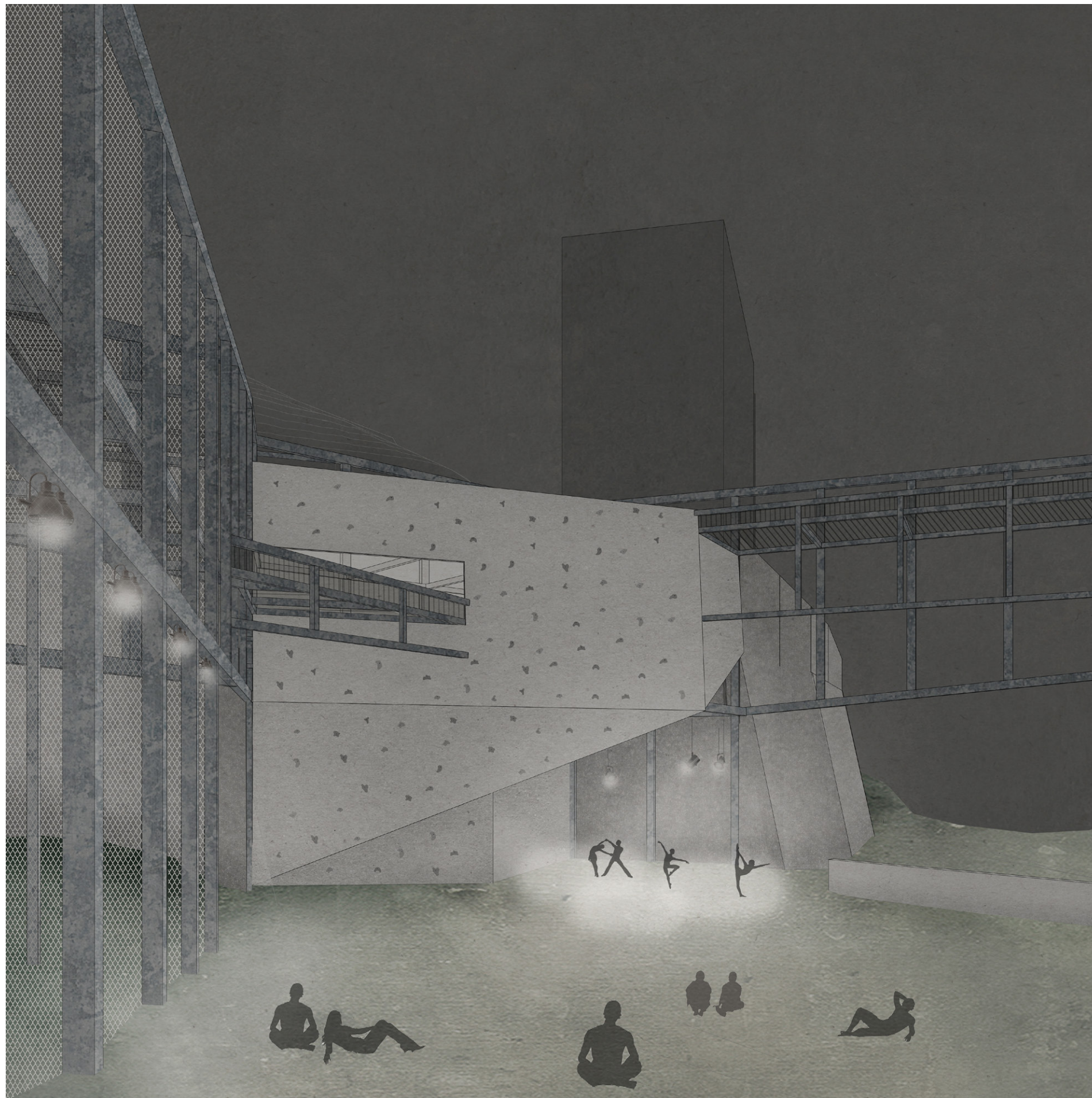
Compound section of east structure



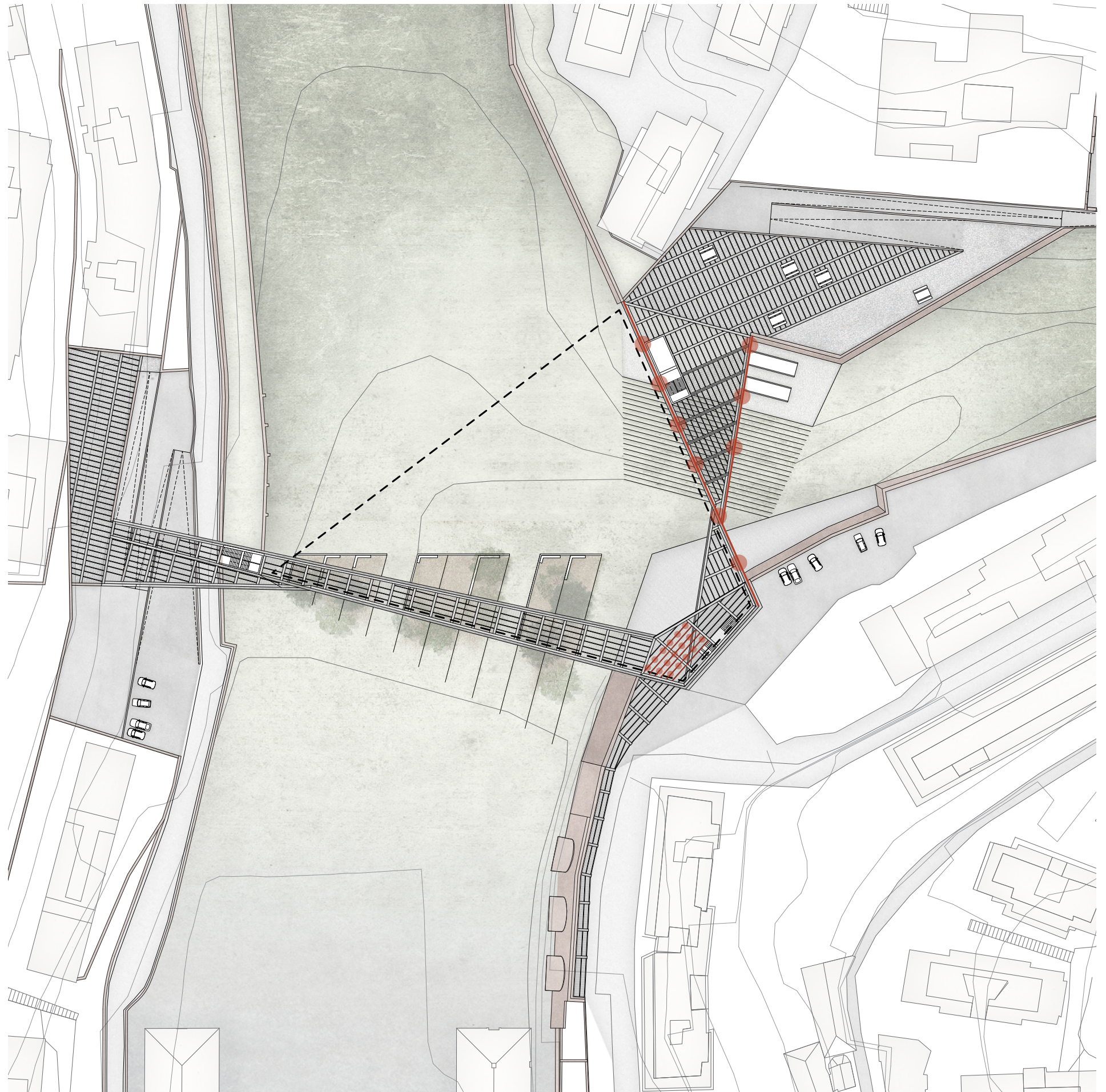


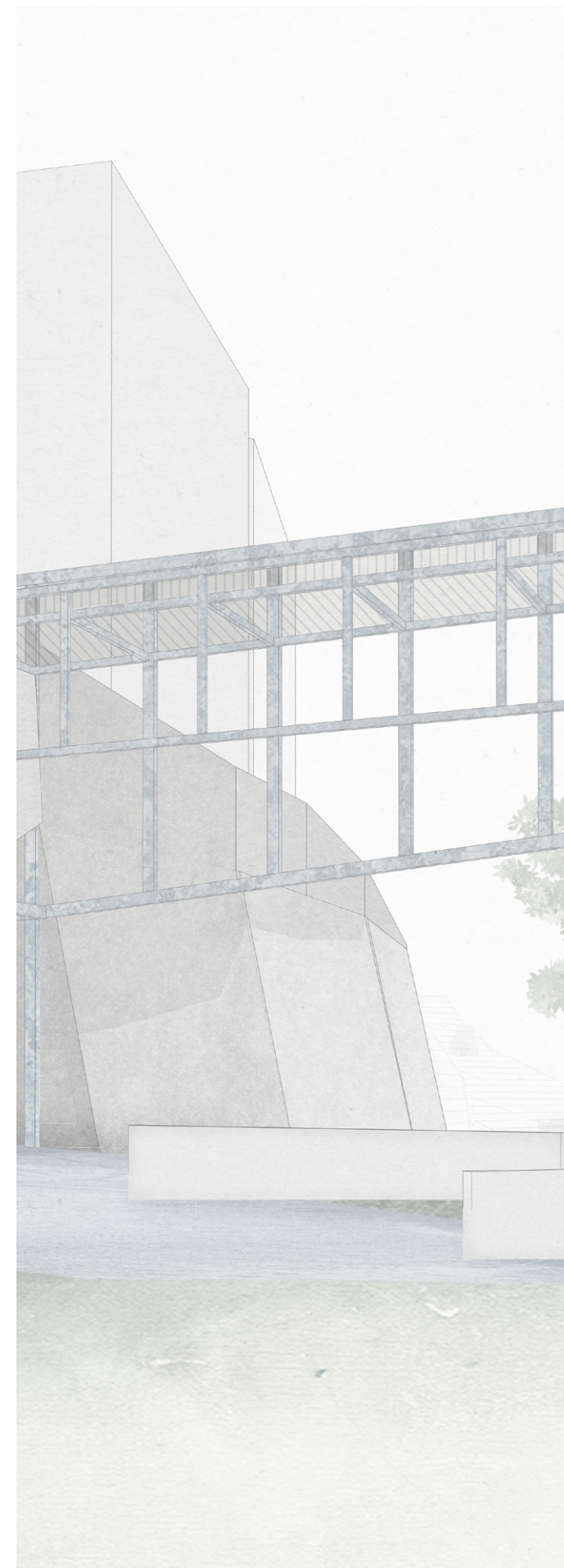
VIEWING NODE
PROPOSAL

Viewing node influence over the leisure node

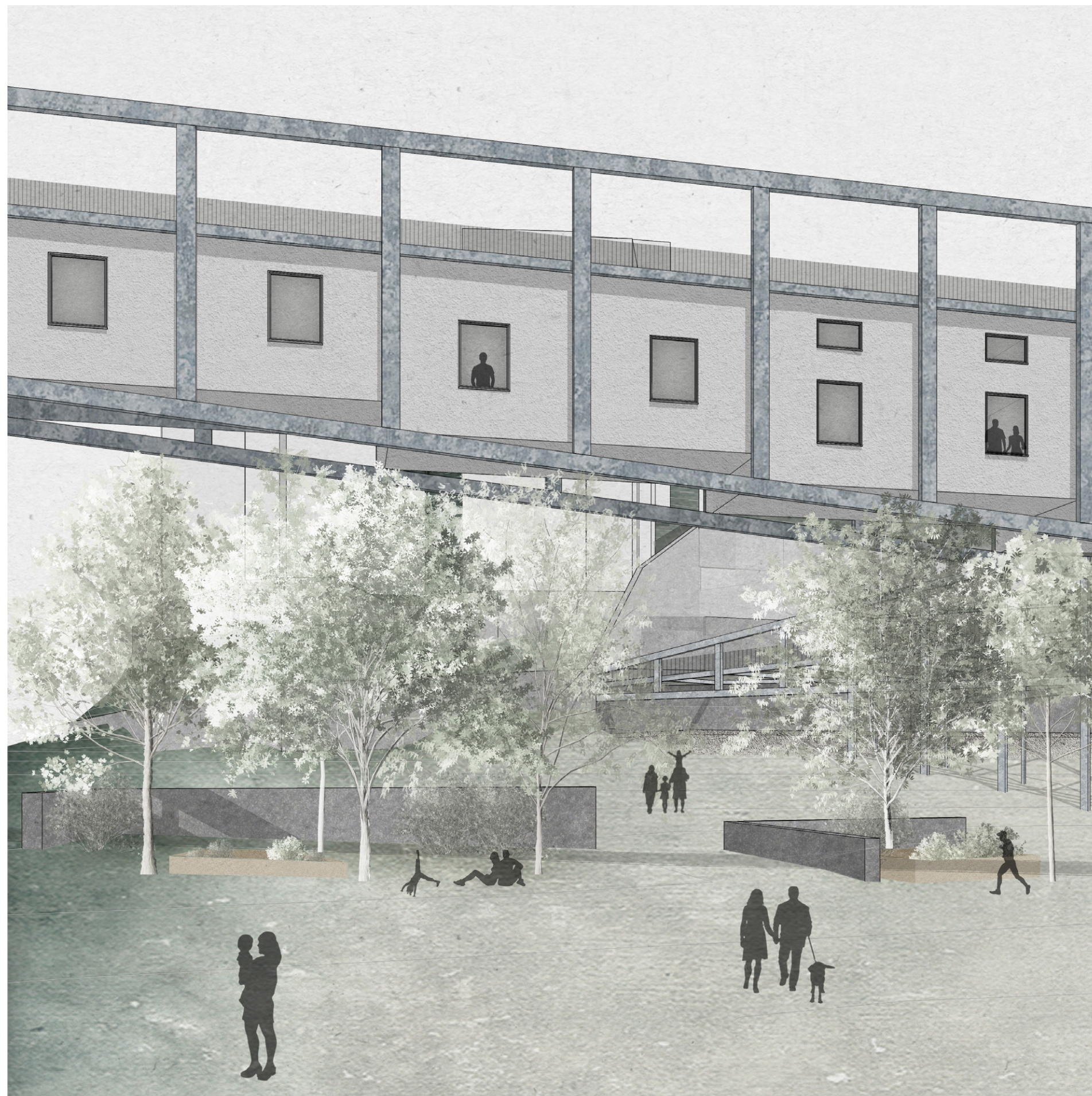


PERFORMATIVE SPACE
PROPOSAL

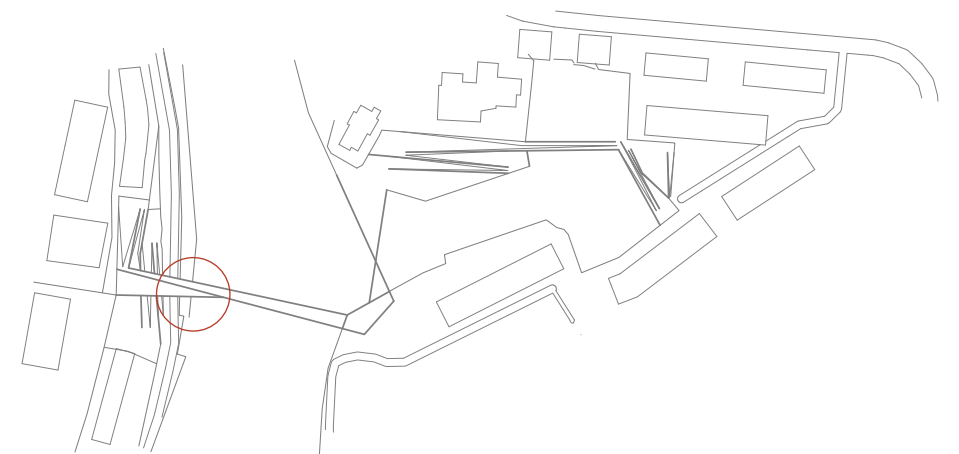
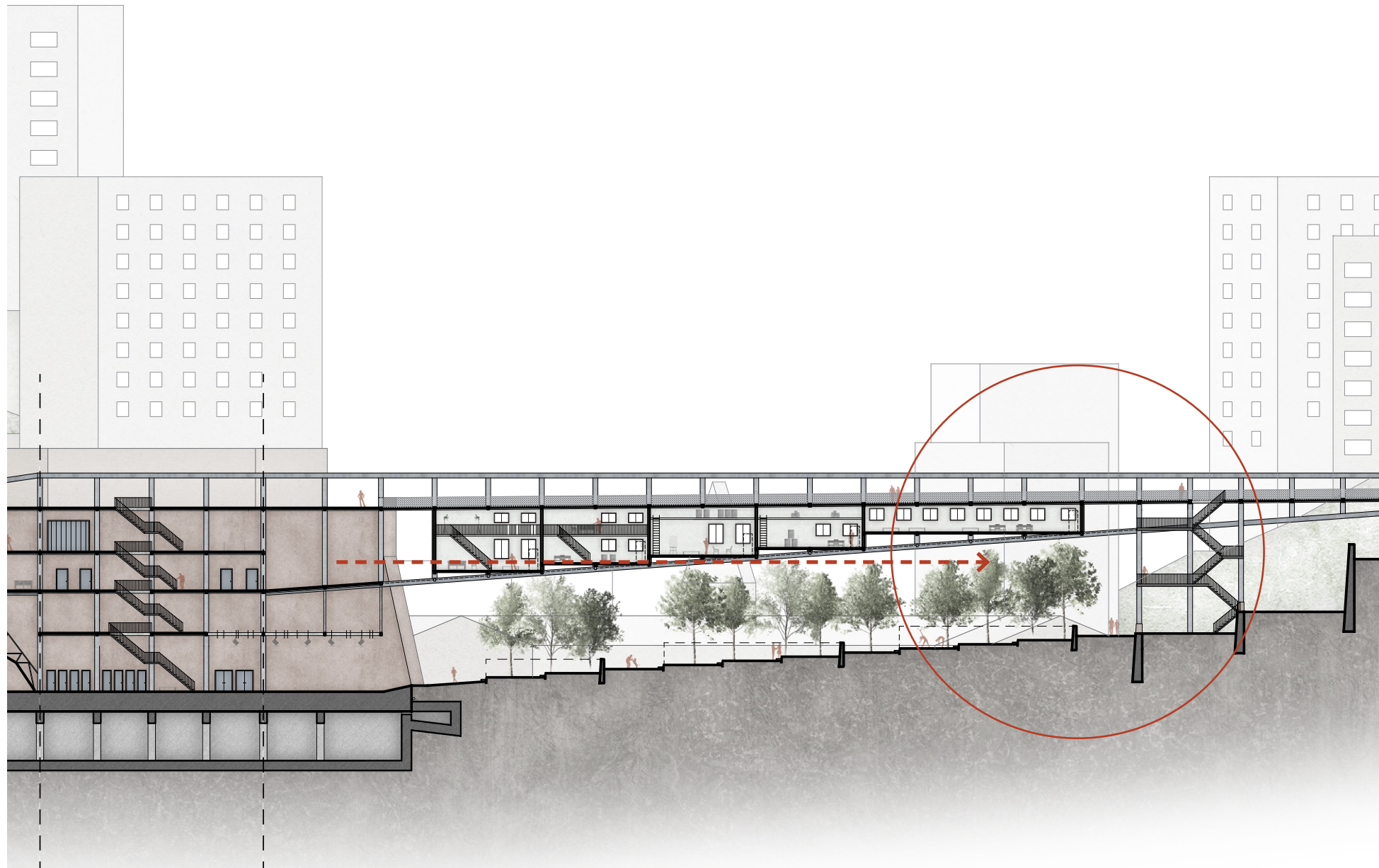
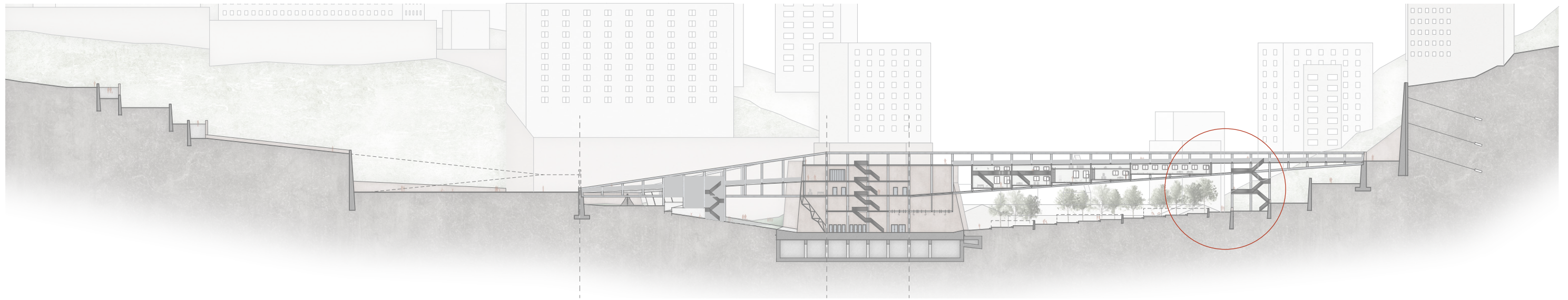




SCENARIOS
PROPOSAL

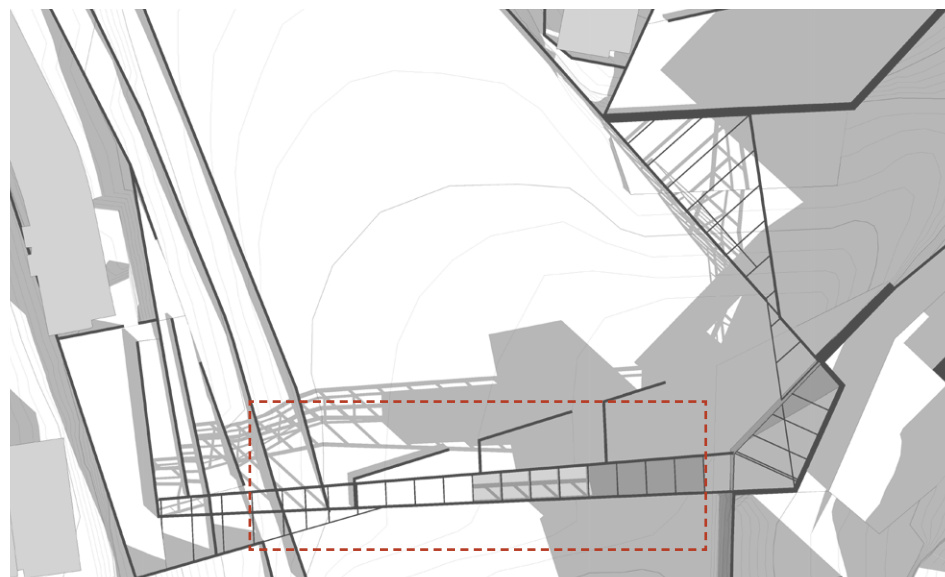


GARDENS AND WORKSHOP
PROPOSAL

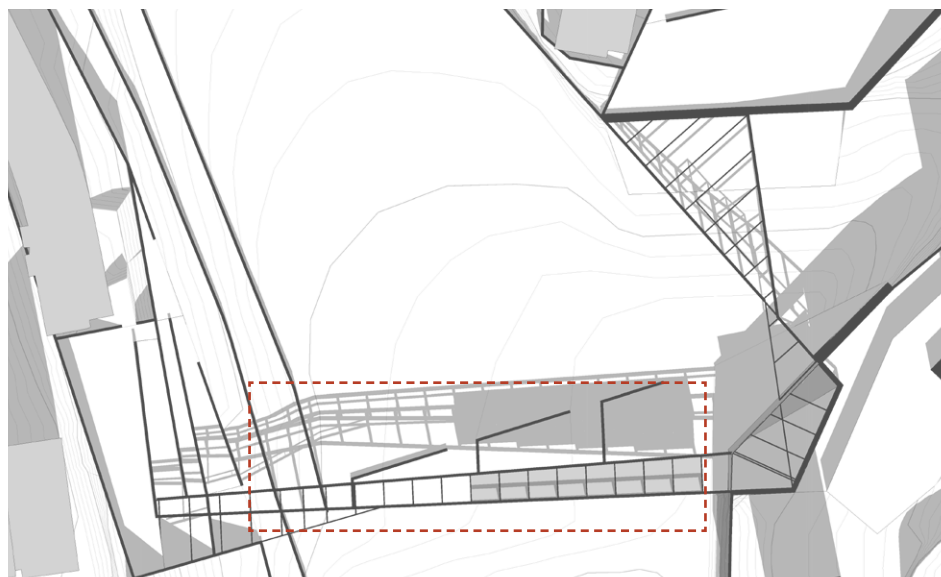


OPERATIVE NODE
PROPOSAL

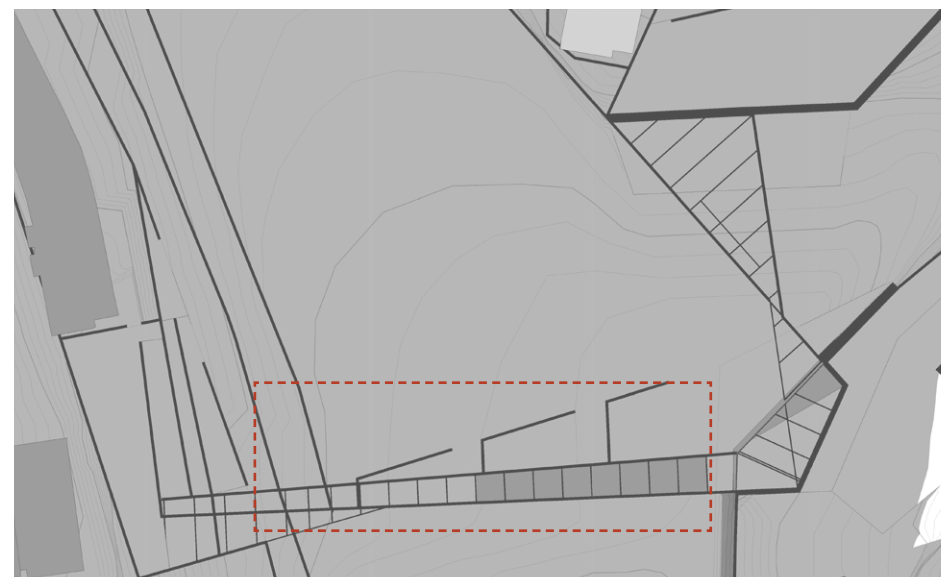
Positioning of Operative node



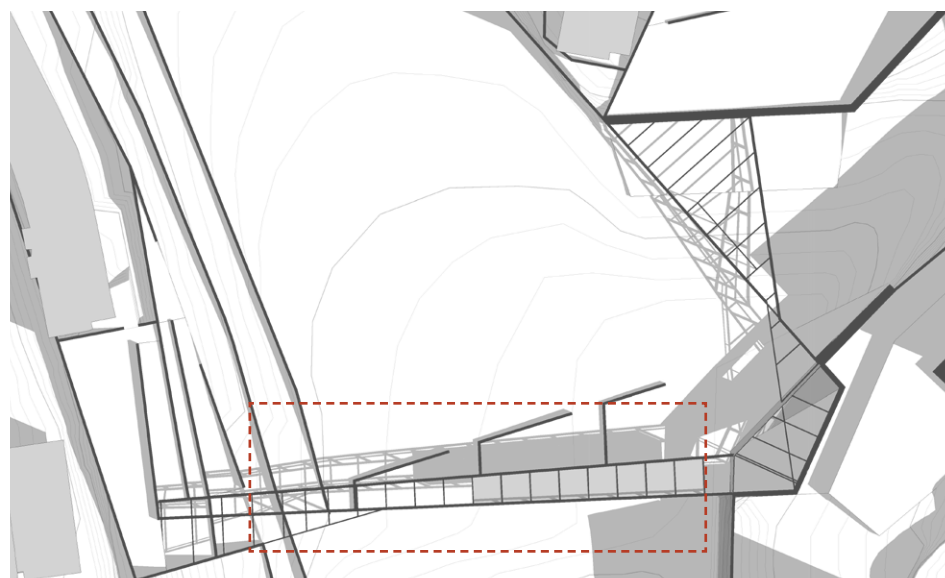
SPRING 10 AM



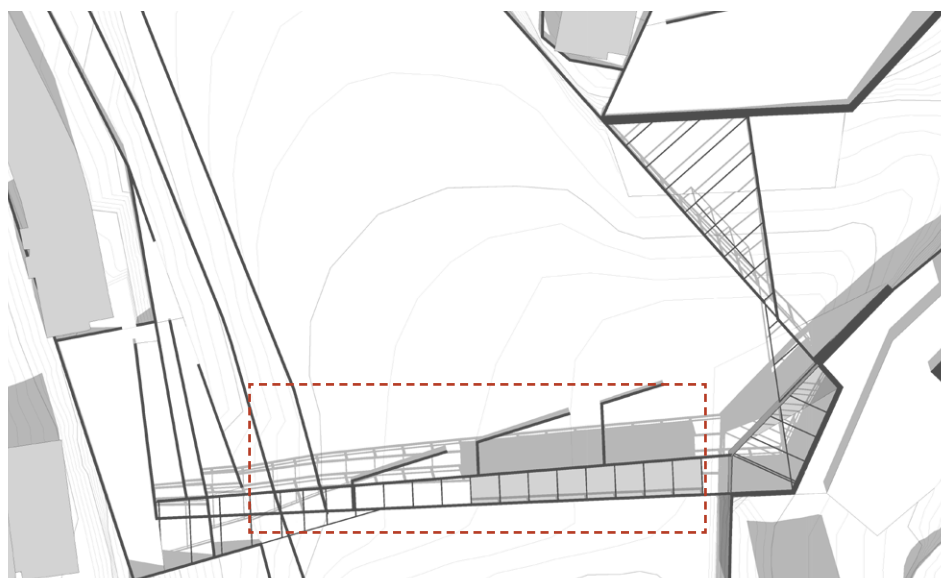
SPRING 12PM



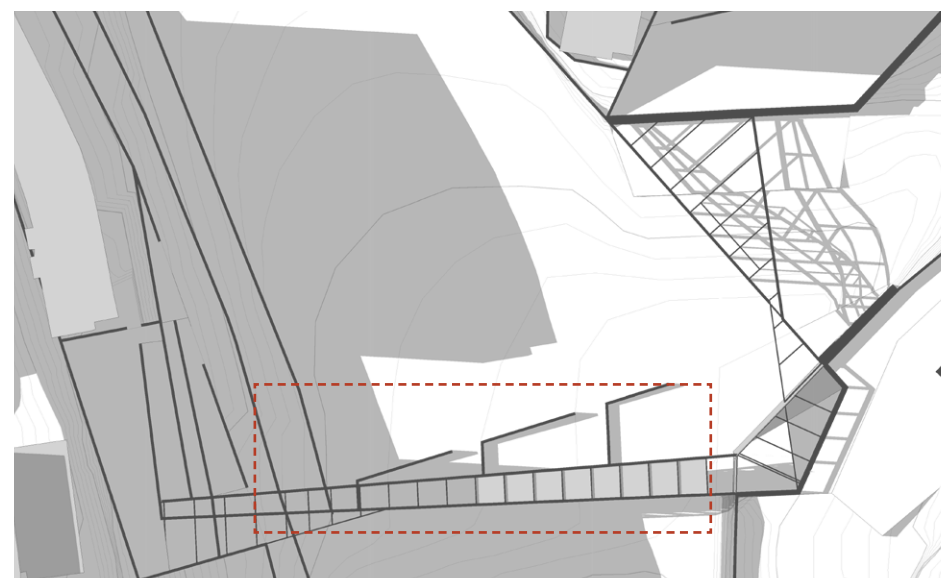
SPRING 5 PM



SUMMER 10 AM



SUMMER 12PM

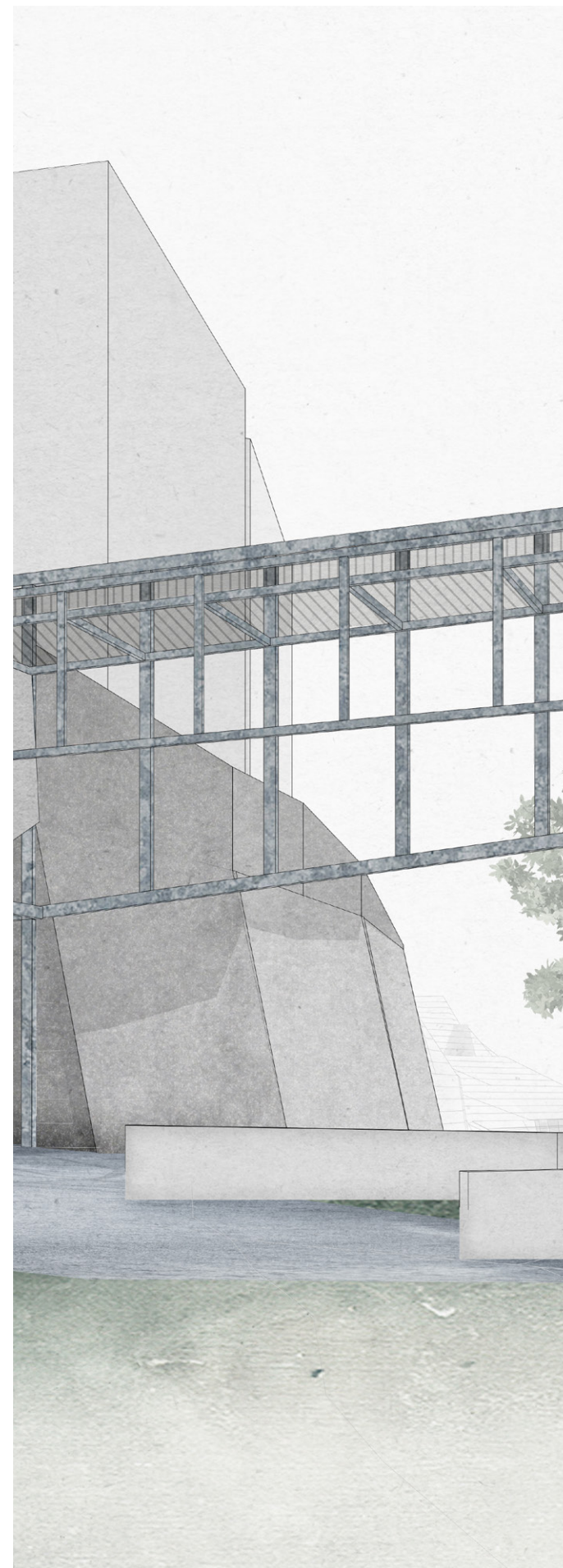
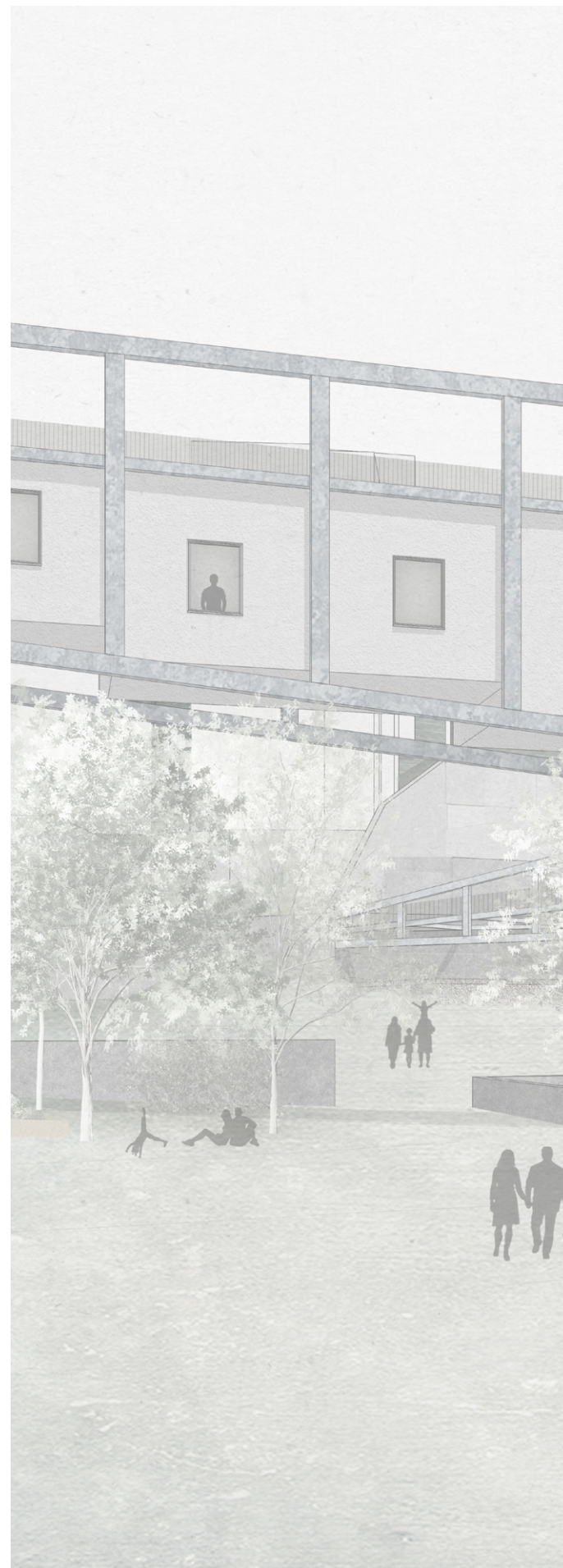


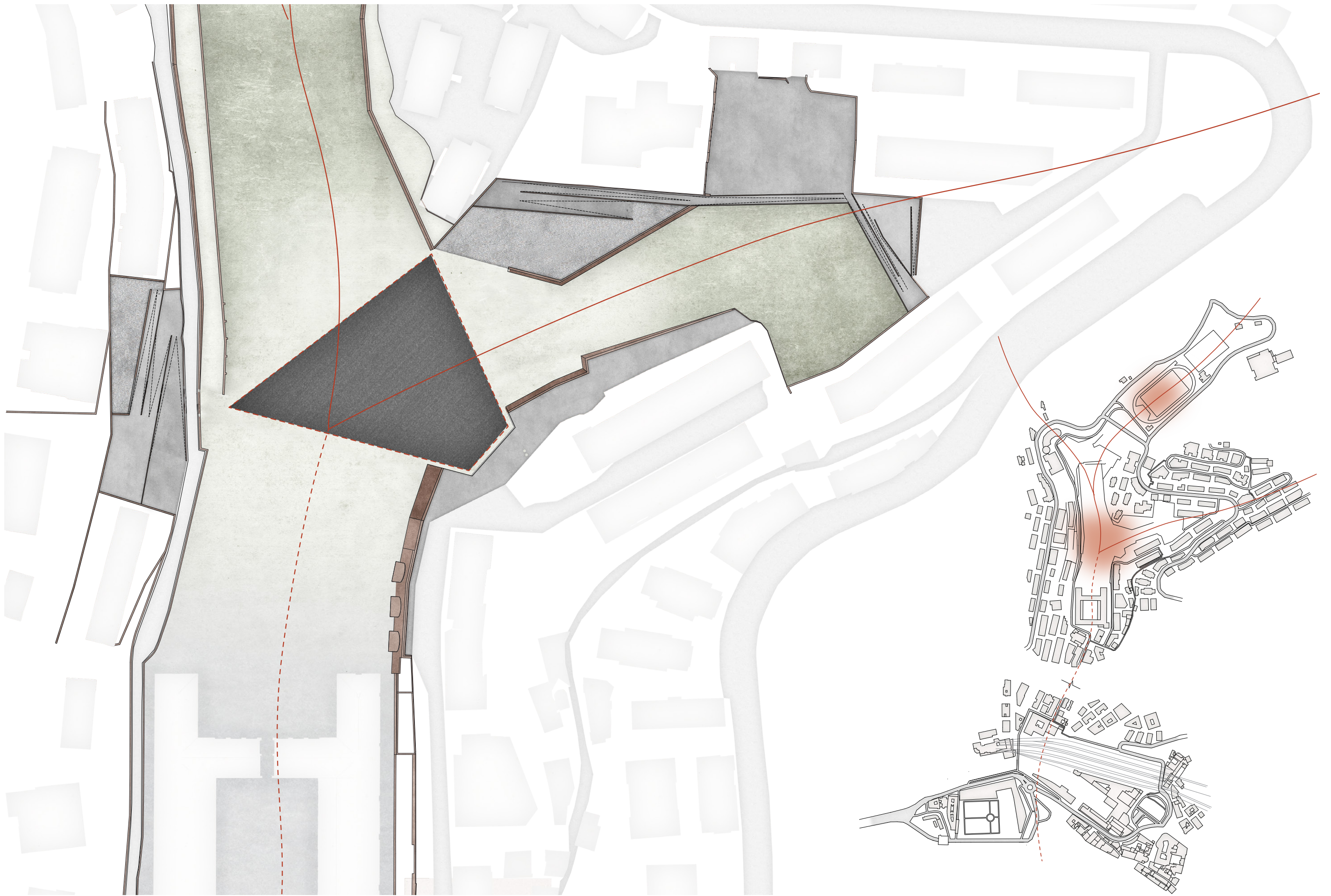
SUMMER 5 PM



INDIRECT RELATIONSHIP PROPOSAL

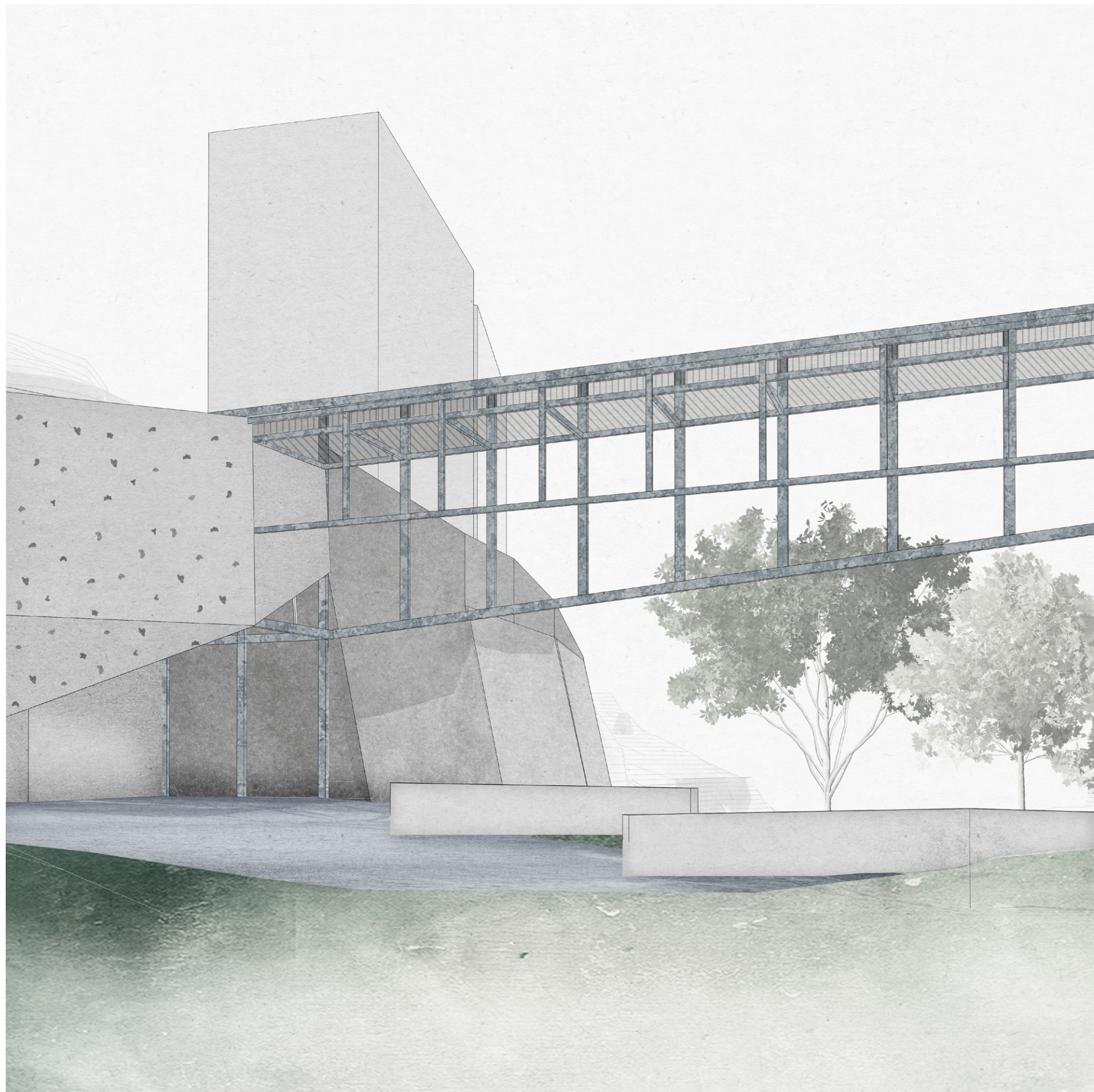
Compound section of west structure



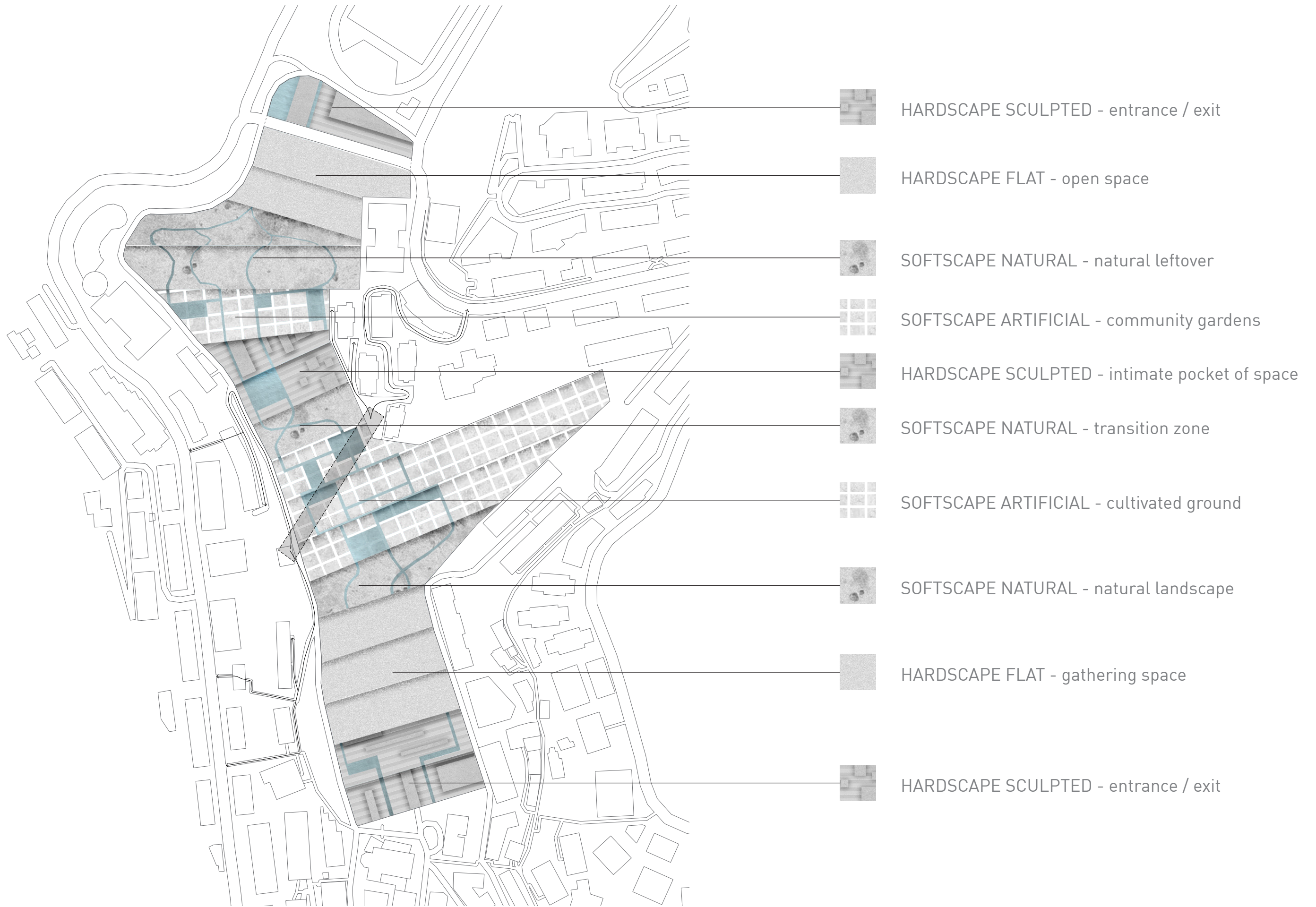


RETENTION BASIN
PROPOSAL

Infrastructural potential of the proposal



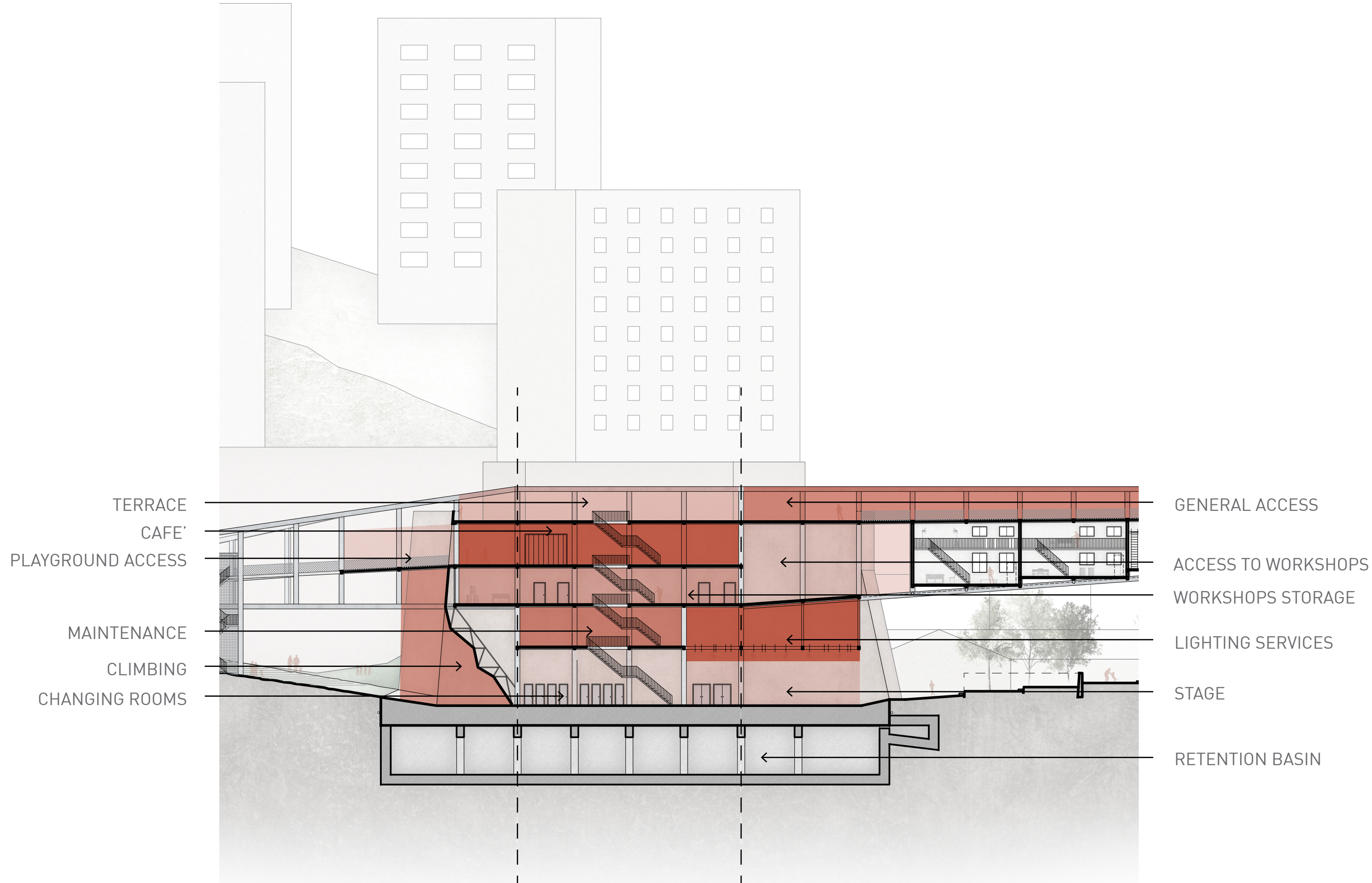
VISUAL QUALITY
PROPOSAL





SITE ZONING
PROPOSAL

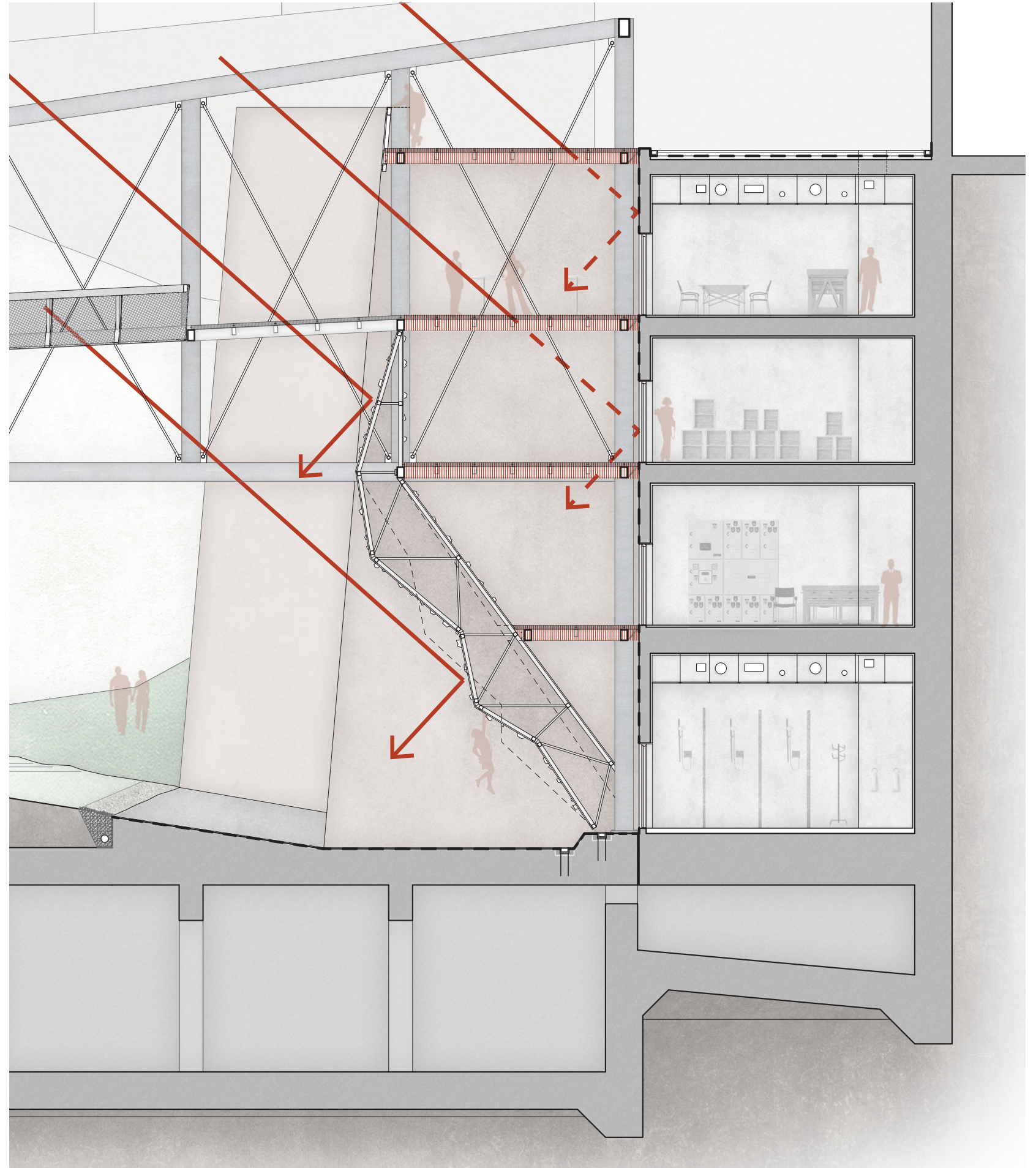
Plan showing the zoning of ground surfaces



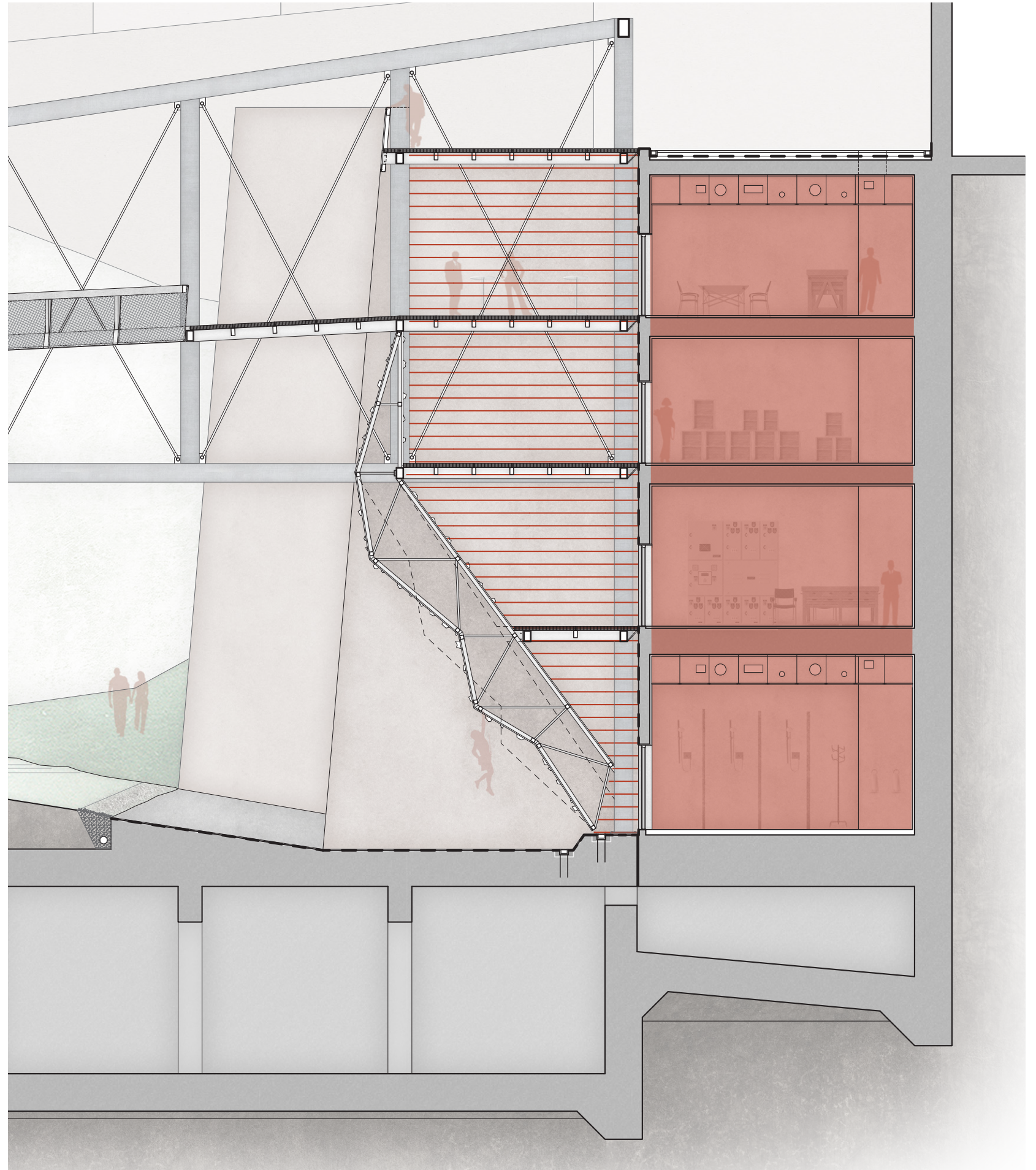
INTERLOCKING OF PROGRAMS
PROPOSAL

Central node programs

LIGHT PROPOSAL

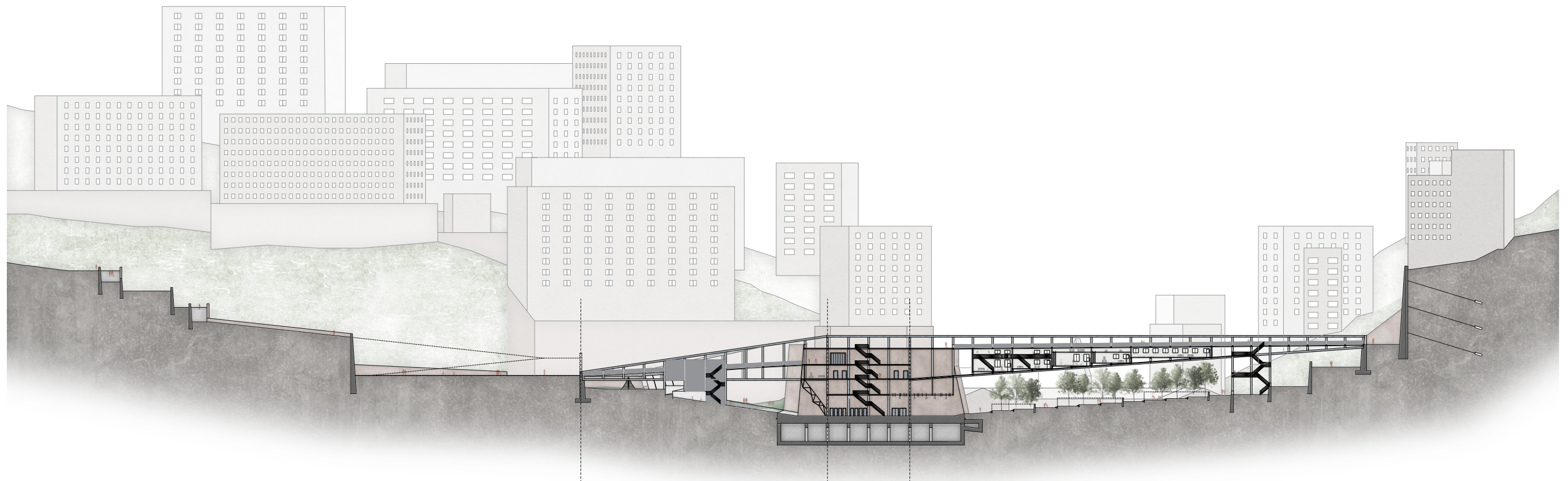


Light can reach the interior of the proposal through the metal grate decks



DOUBLE EXTERIOR
PROPOSAL

Characterisation of Leisure Node as a double exterior



INTEGRATION
PROPOSAL



HYBRID FRAME

- an urban program generator for a shrinking city -

Lagaccio Valley - Genoa - Italy



P5 PRESENTATION

Student: Irene Scaramuzza

Student number: 4677137

Mentors: Alper Alkan, Filip Geerts, Pierre Jennen