

NAVIGLIO: A CHANCE OF COEXISTENCE BETWEEN STUDENTS AND CITIZENS

TEAM 1 - “THE TERRITORIAL CAMPUS“



Large-scale infrastructures are not only the primary condition to network a territory through a system of links. More and more infrastructures have converted to important spatial spheres for different kind of activities and programs. Being part of the historical Lombardian system of naviglios (i.e. canals), the Naviglio Pavese represents an outstanding infrastructural project that provides the perfect example for testing modes of adaptability through which this infrastructure can become a space that fundamentally transforms the meaning and performance of a city, or even a region. The territorial scale of the Naviglio Pavese clearly provokes the tension between regional logics and local impacts. This unavoidable ambiguity becomes productive if we consider the context of recent urban transformations in times of shrinking resources. The disappearance of large-scale production complexes in city areas, the growing importance of sustainable and more efficient mobility-systems, new models of civic initiatives and the increasingly dominant role of nature and public landscape as identifying elements give water-line infrastructures such as the Naviglio the potential to fundamentally change urban conditions, which is a central concern among young architects.

The results of the Pavia workshop addresses this concern in very specific ways: “Gran Pavia – the Territorial Campus” focuses on the added value through local and regional cross-programming; “Ride & Park” reveals the extraordinary potentials of change that can be triggered by a more sustainable concept of mobility; “The Sleeping Beauty” suggests a new geography of sharing across the boundary of the Naviglio through a radical intervention in the university heritage of the city.

EUROPAN EUROPE
UNIVERSITÀ DEGLI STUDI DI PAVIA
E12 WINNING TEAMS

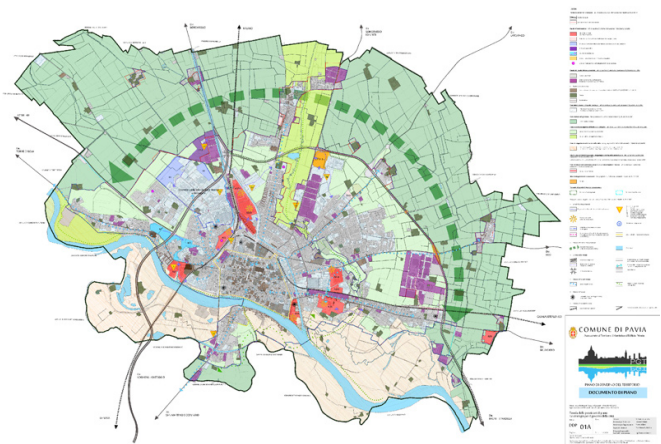
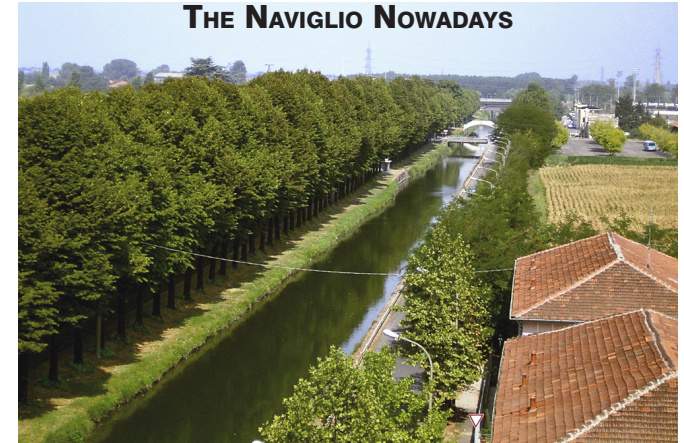
LOCAL & MORPHOLOGICAL CONDITIONS



PAST USES OF THE NAVIGLIO



THE NAVIGLIO NOWADAYS



THE TERRITORIAL CAMPUS

NAVIGLIO: A CHANCE OF COEXISTENCE BETWEEN STUDENTS AND CITIZENS



On the territorial level the project detects a series of places along the canal between Milano and Pavia: new facilities, existing structures (Cascine, abandoned factories), and tourist attractions are developed as different Genius Loci for a new campus system, short-circuiting the educational sphere of academia with local practices of everyday life such as specific agriculture (rice!), energy production, commuting, living and working. This amalgam of programs forms the “Territorial Campus”, which will not only extend the syllabus for the students, but also reposition tourism within the manifold migratory rhythms of international exchange programs, weekend travellers, business people, pilgrims, living-working commuters and, last but not least, all kind of tourists, who will be seduced by a unique hybridized landscape strip: the “Territorial Campus” of the Naviglio Pavese.

On the local level, in Pavia itself, the canal converts to a highly attractive car-free public spine: intermodal nodes and attractive radial routes reorganize Pavia’s traffic and suggest a bike city in which any place can be comfortably reached without a car in a couple of minutes. Living & studying opportunities shall activate and cross-weave places along the Naviglio, adding new bridges. The canal’s water basins become atmospheric squares whose 24-hour-rhythms reflect the future bandwidth of desires at the Naviglio Pavese, making it a unique of confluence of Territorial Campus and City of Pavia.

PARTICIPANTS

Ramon BERNABE SIMO (ES), Tomáš LABANC (SK), Winner in Amstetten (AT) with “Open”
Javier CORTINA MARUENDA (ES), Runner-up in Don Benito (ES) with “Shadow”
Joaquín MILLÁN (ES), Runner-up in Kuopio (FI) with “Somewhere Over The Train Flow...”
Roberto ALESI (IT), Serafino D’EMIDIO (IT), Runner-up in Milano (IT) with “Porto Agricolo”
Carmen LARGACHA POLO (ES), Juan Marcos RODRÍGUEZ DÍAZ (ES), Runner-up in Gijlan (KO) with “Welcome to Urban Wellness” and in Regionale 2016 (DE) with “Kein land für alte Männer”
Danilo CHIESA (IT), Runner-up in Vila Viçosa (PT) with “Tupperware Party”
Marco CORAZZA (IT), Giulia MININI (IT), Sara SAGGIORATO (IT), Daniele TORRESIN (IT), Runner-up in Wien-Kagran (AT) with “Monument in Fertile Country”

COACH: Bernd VLAY (AT)

ASSISTANT: Matteo LOCATELLI (IT)

GRAN PAVIA

THE TERRITORIAL CAMPUS

TERRITORIAL SYSTEM



NAVIGLIO PAVESE



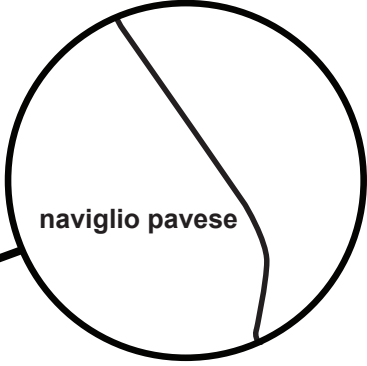
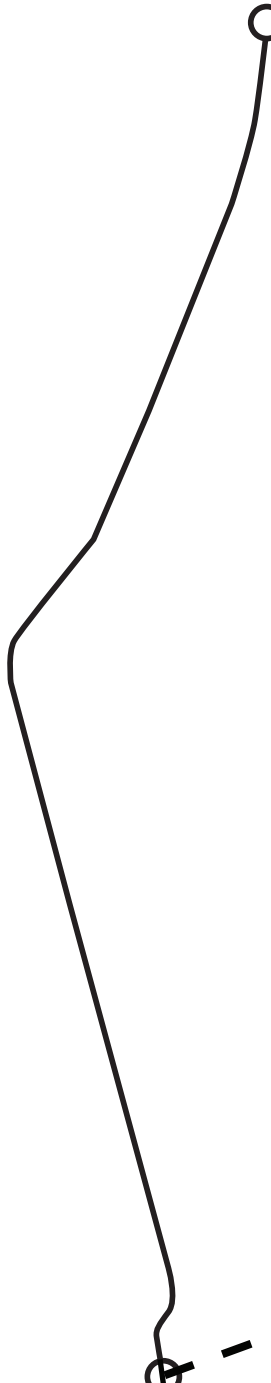
MILANO

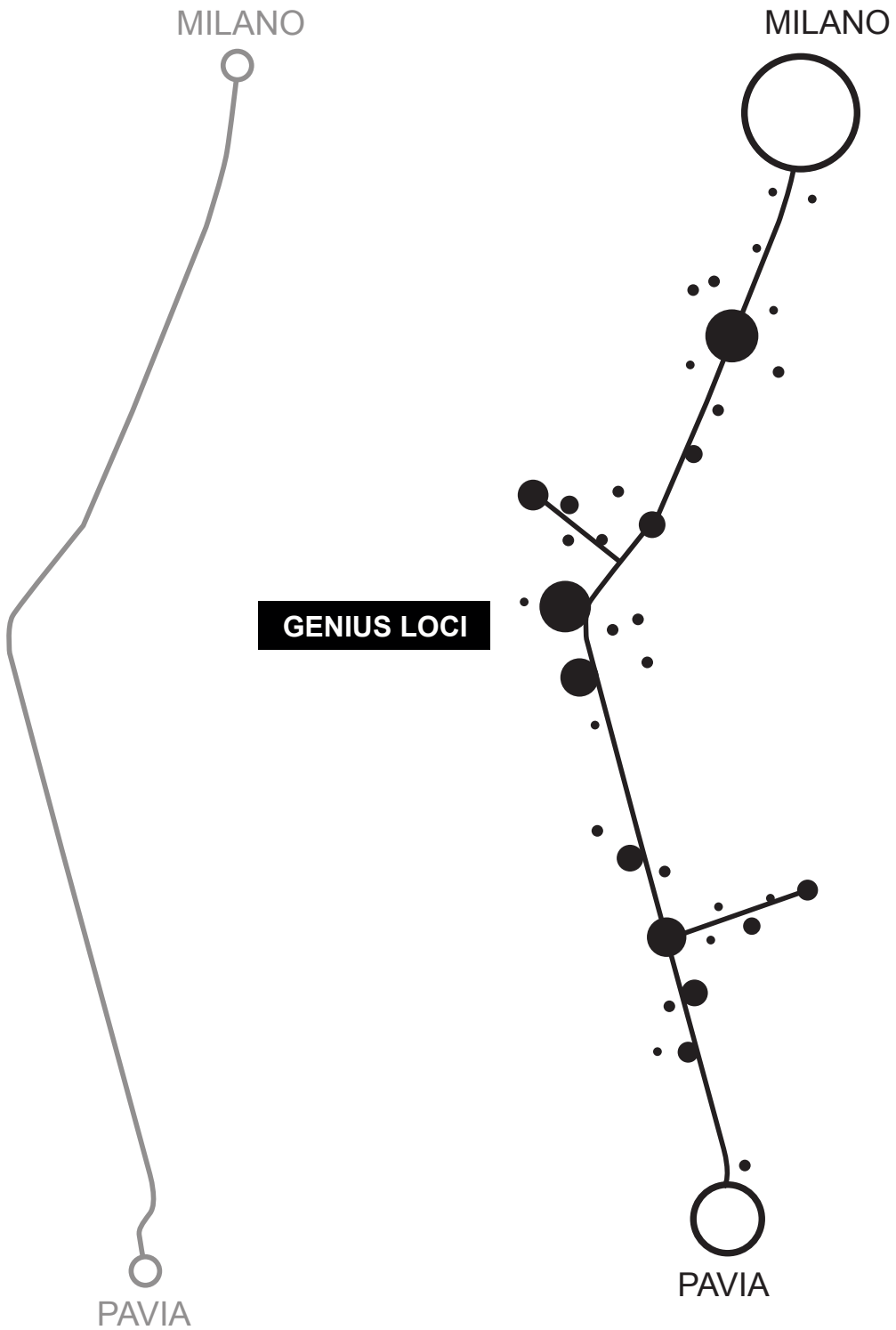


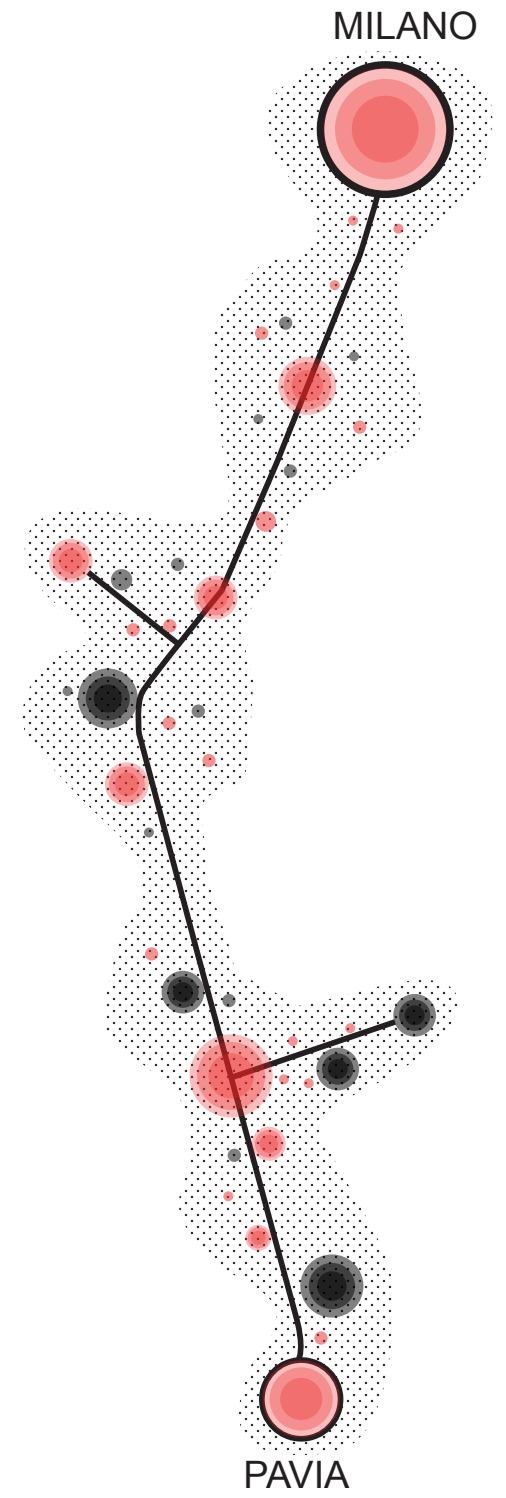
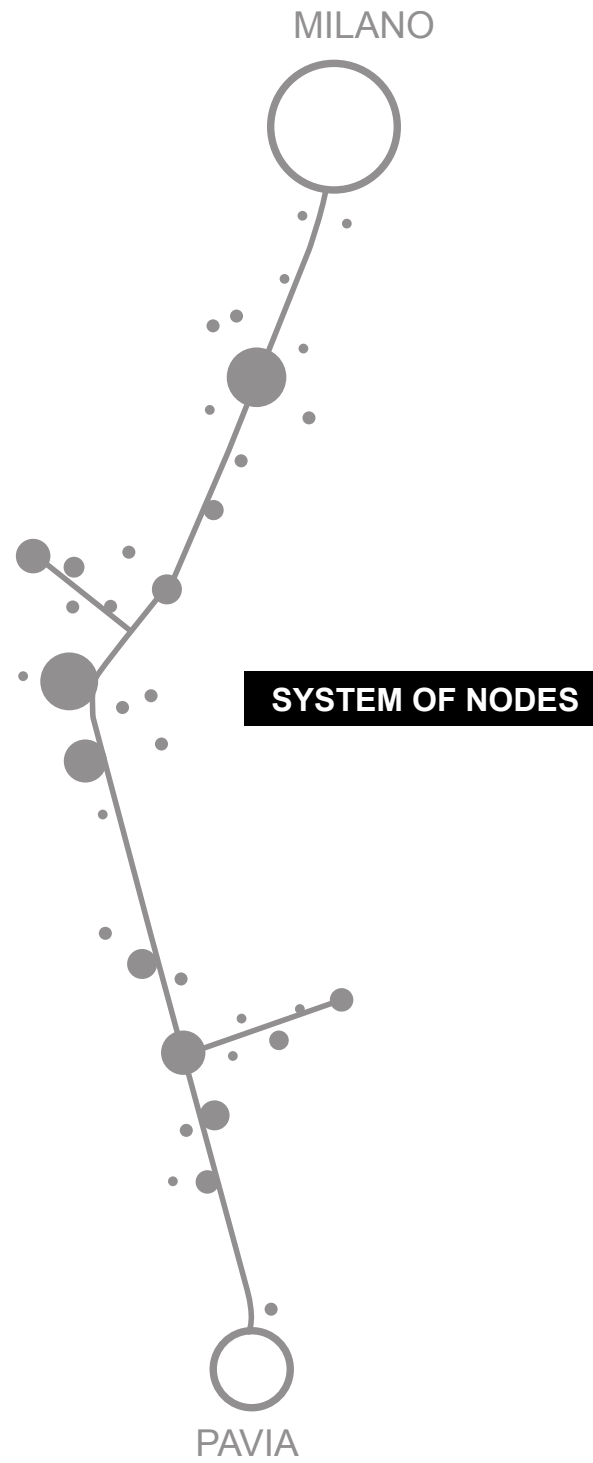
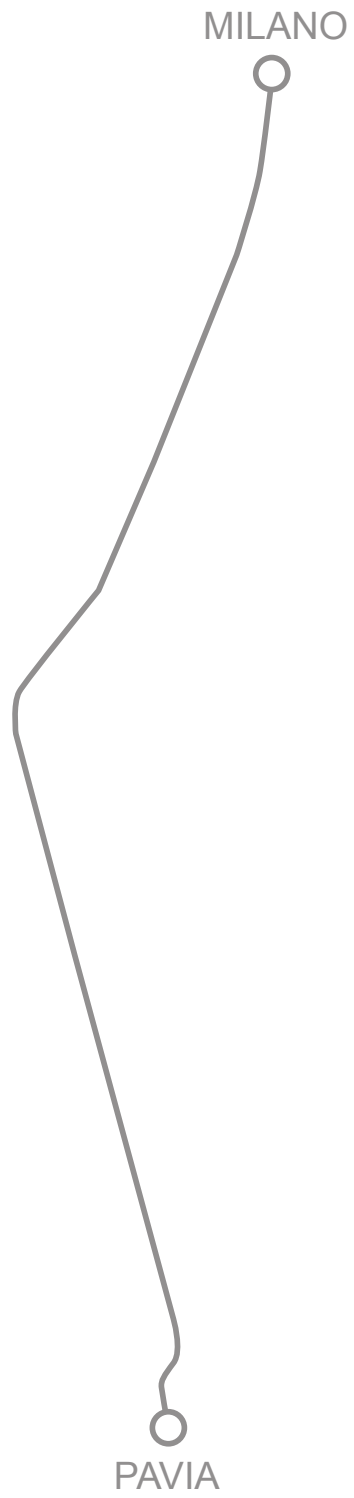
PAVIA



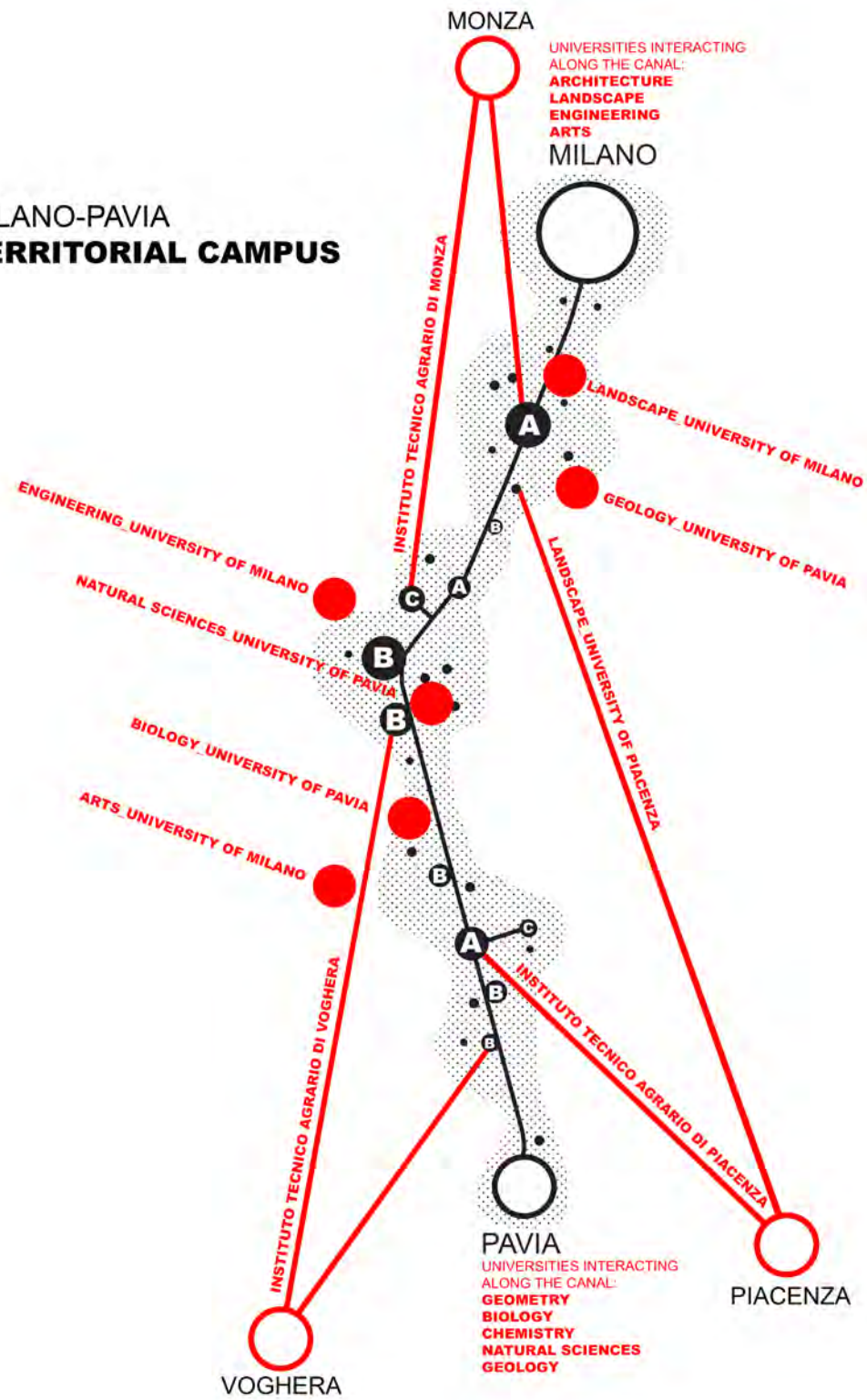
LINE







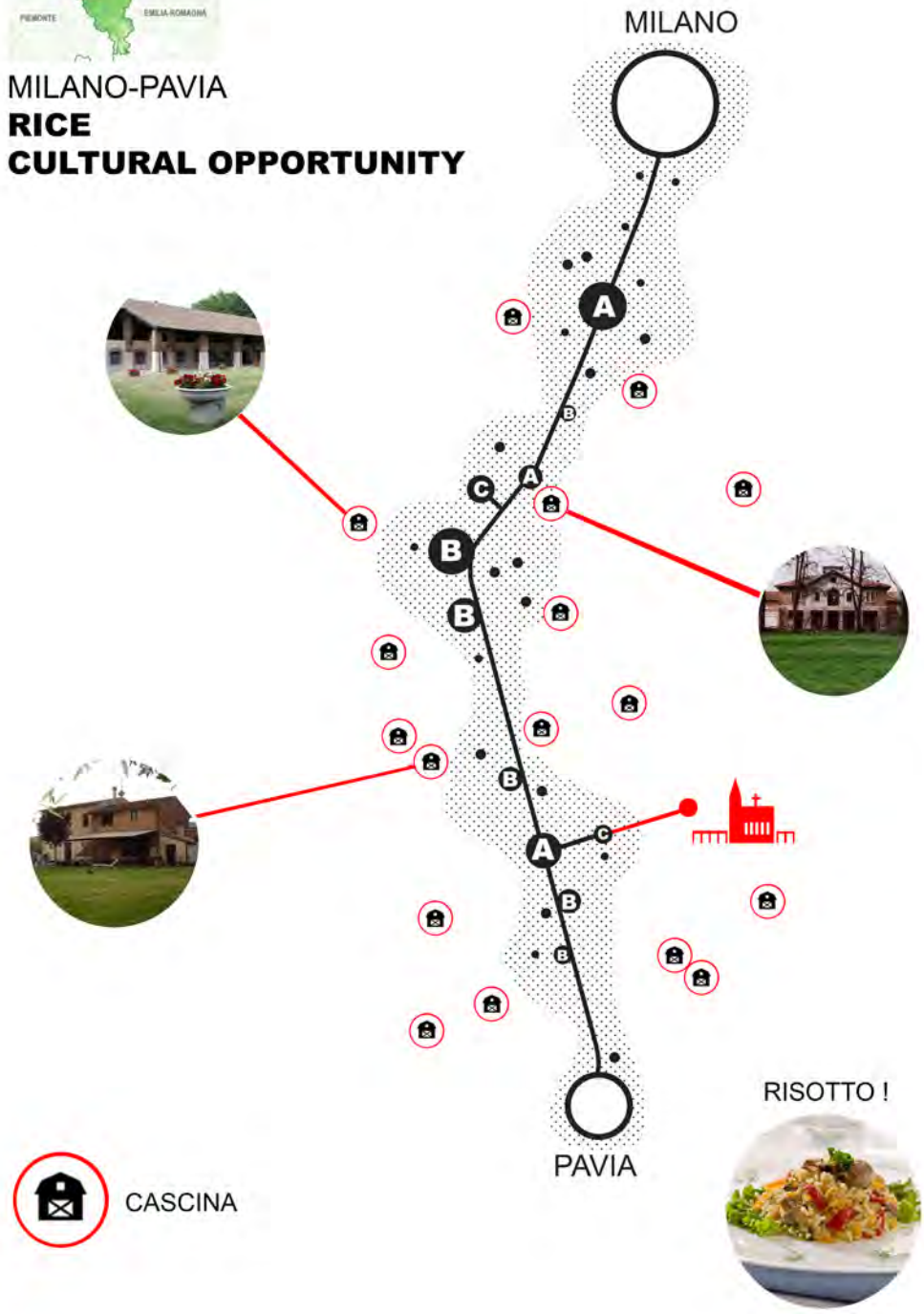
MILANO-PAVIA TERRITORIAL CAMPUS





LOMELLINA, ITALIAN RICE REGION

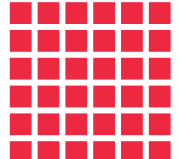
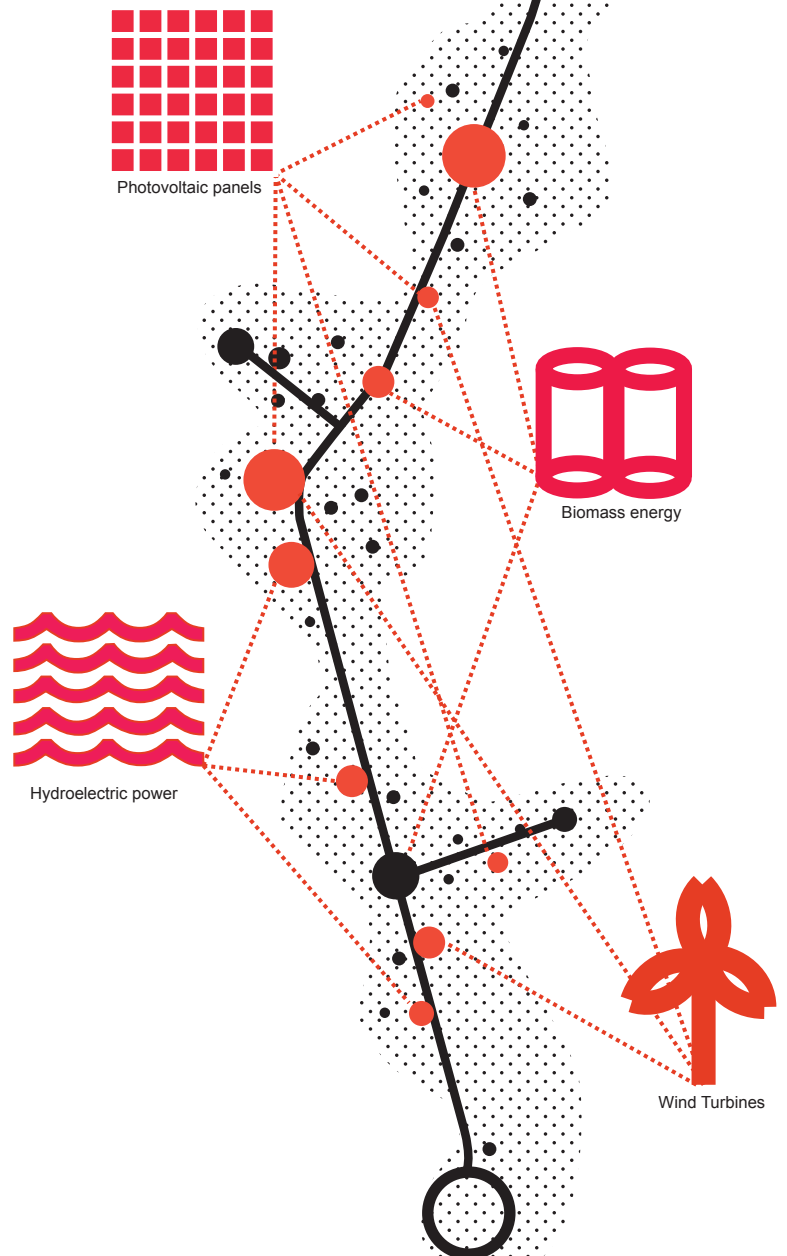
MILANO-PAVIA RICE CULTURAL OPPORTUNITY



 CASCINA

RISOTTO !

MILANO



Photovoltaic panels



Biomass energy

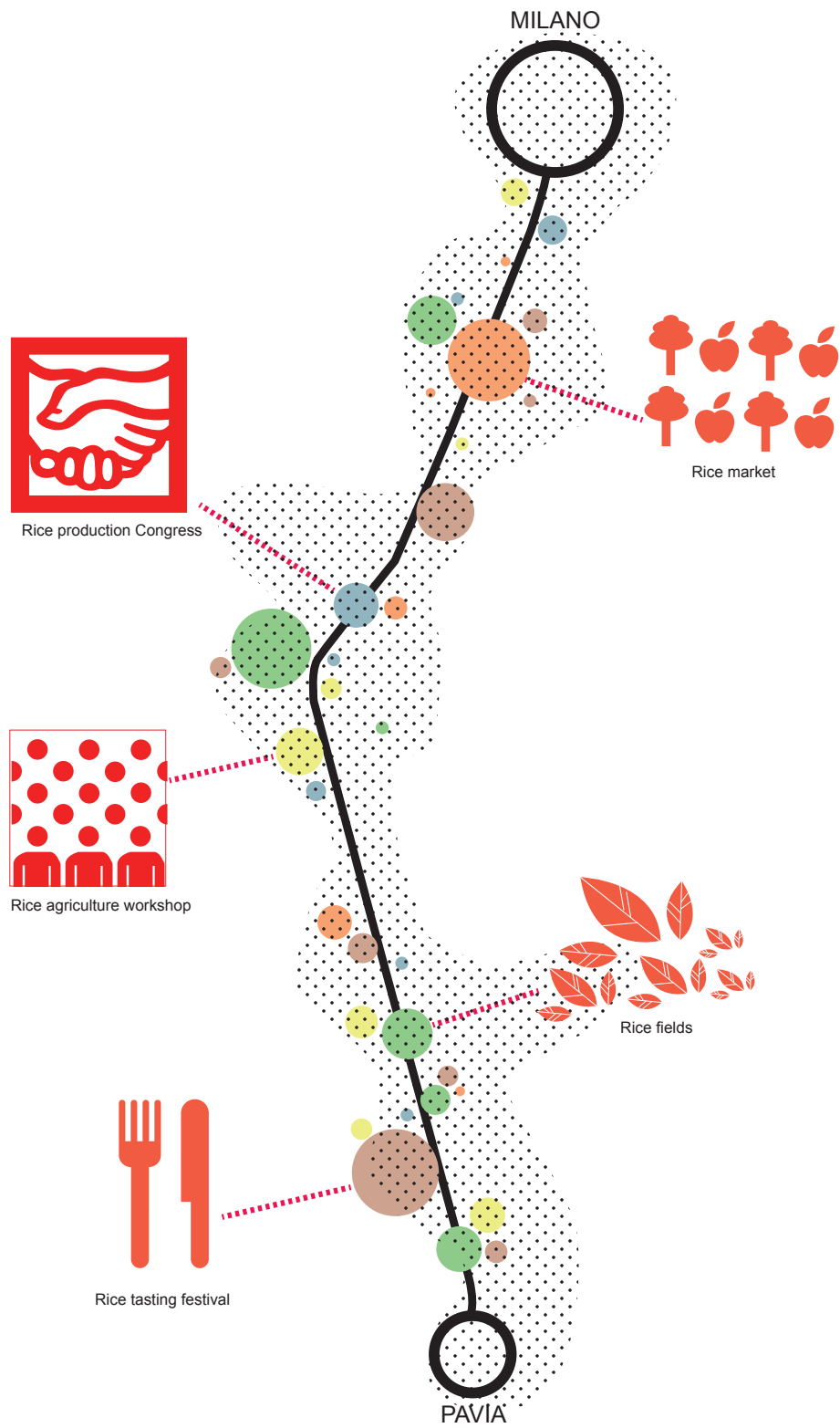


Hydroelectric power

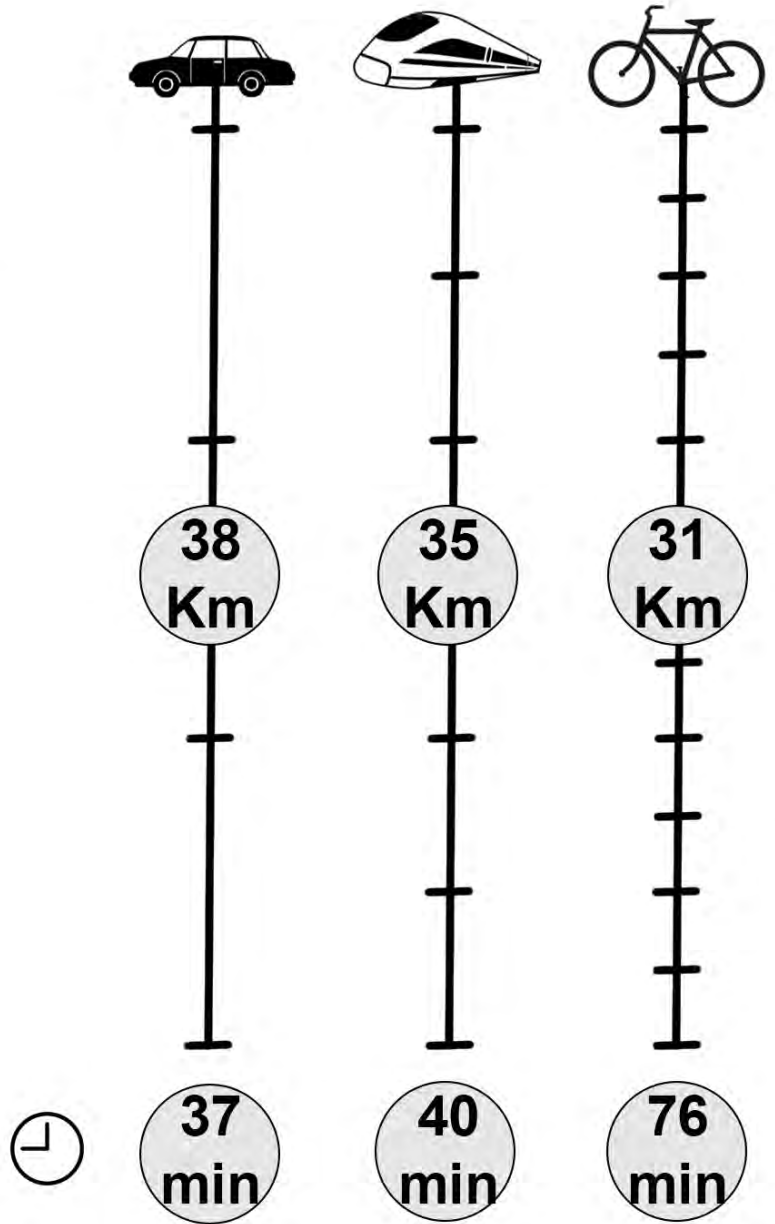
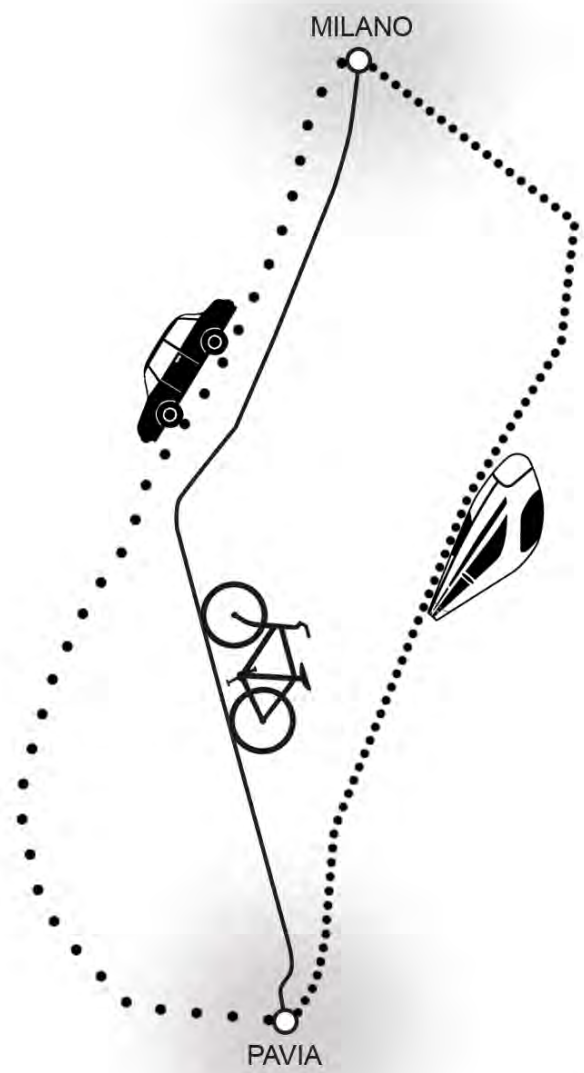


Wind Turbines

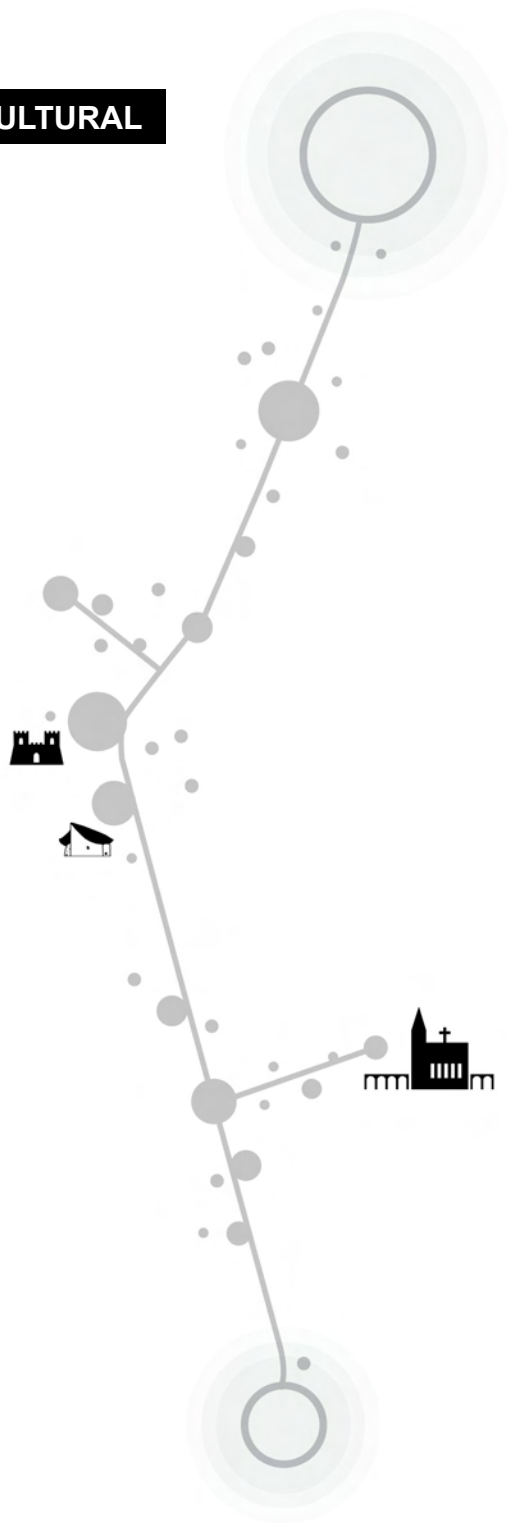
PAVIA



MOBILITY

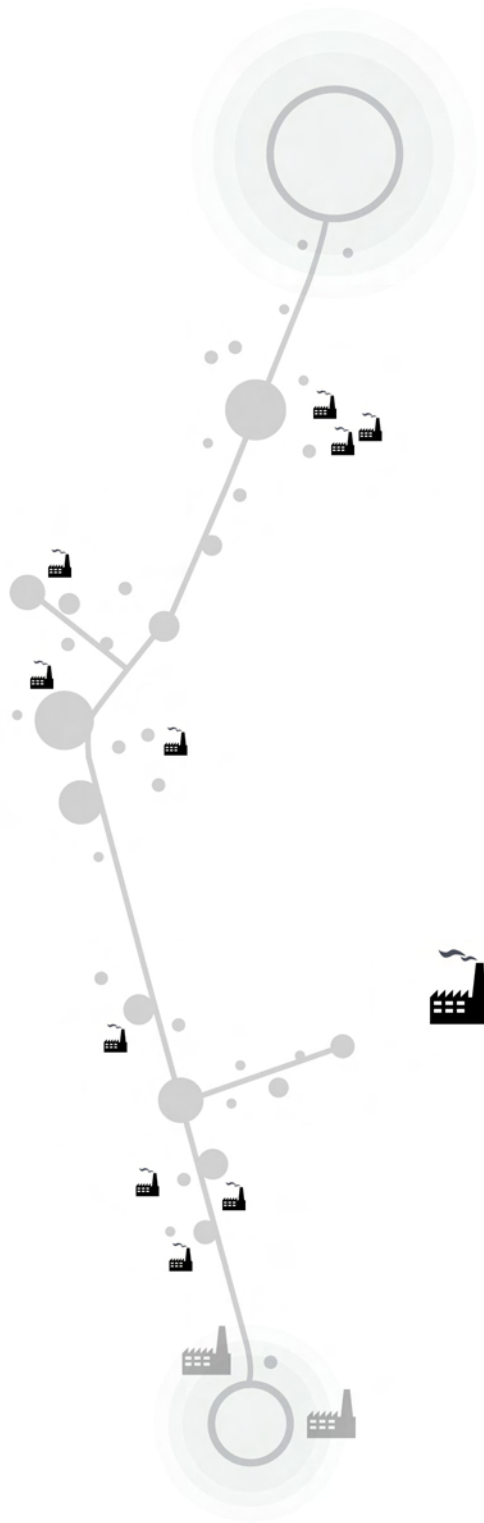


CULTURAL



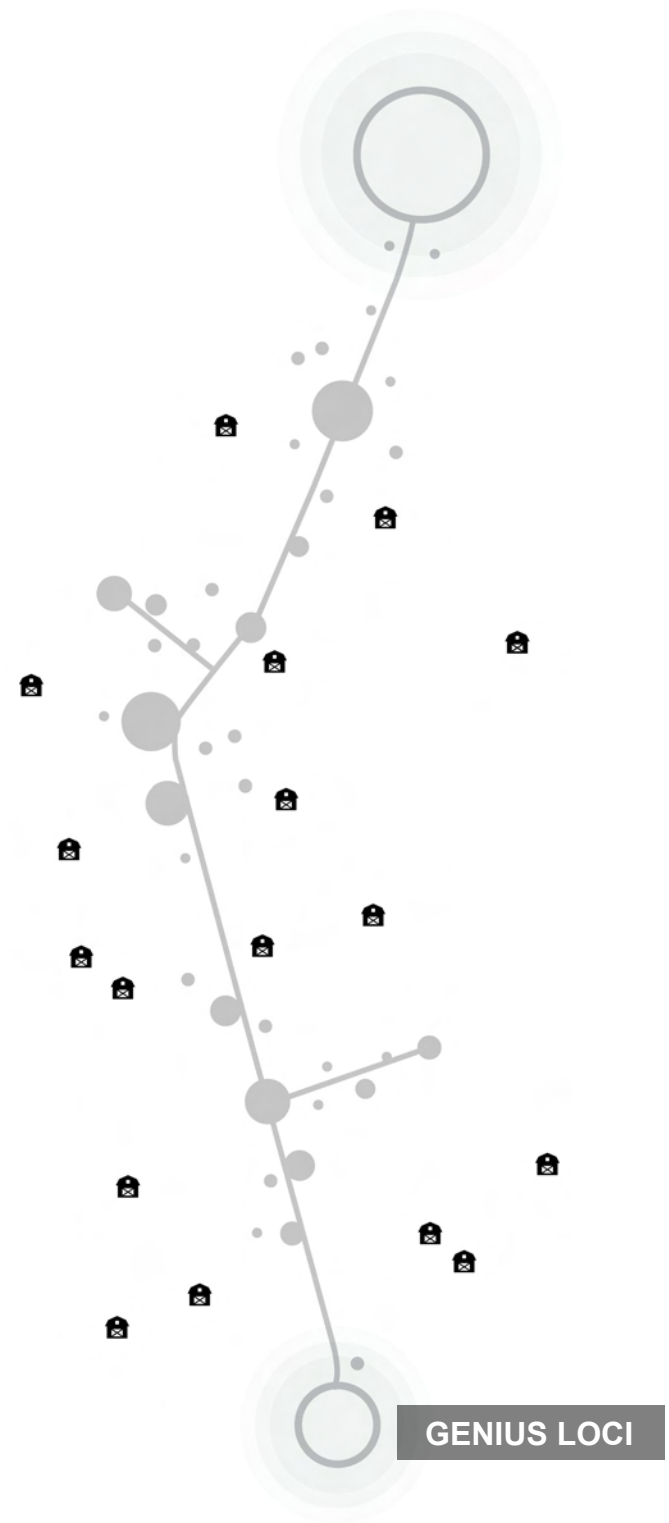
GENIUS LOCI

ACTIVITIES



GENIUS LOCI

CASCINE



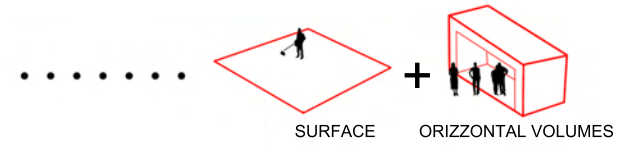
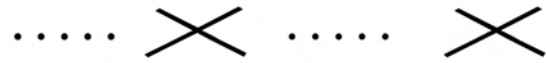
GENIUS LOCI

USERS

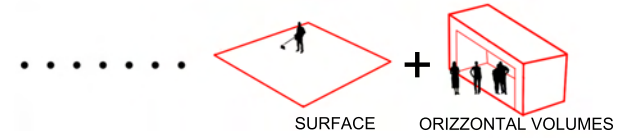
CURRENT ACTION

ACTION TO BE ADDED

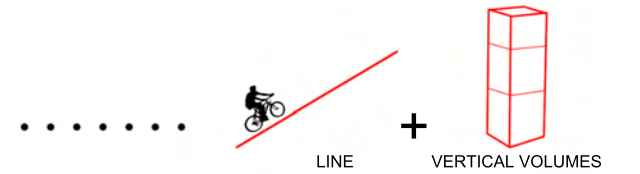
Student



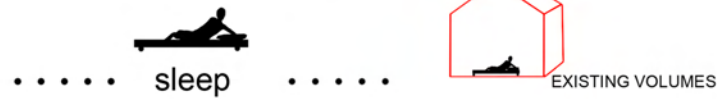
Farmer



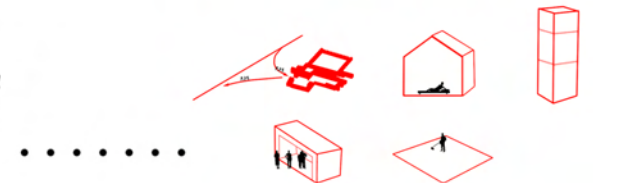
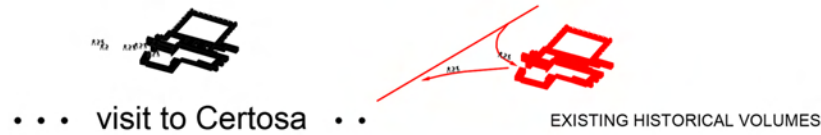
Passenger

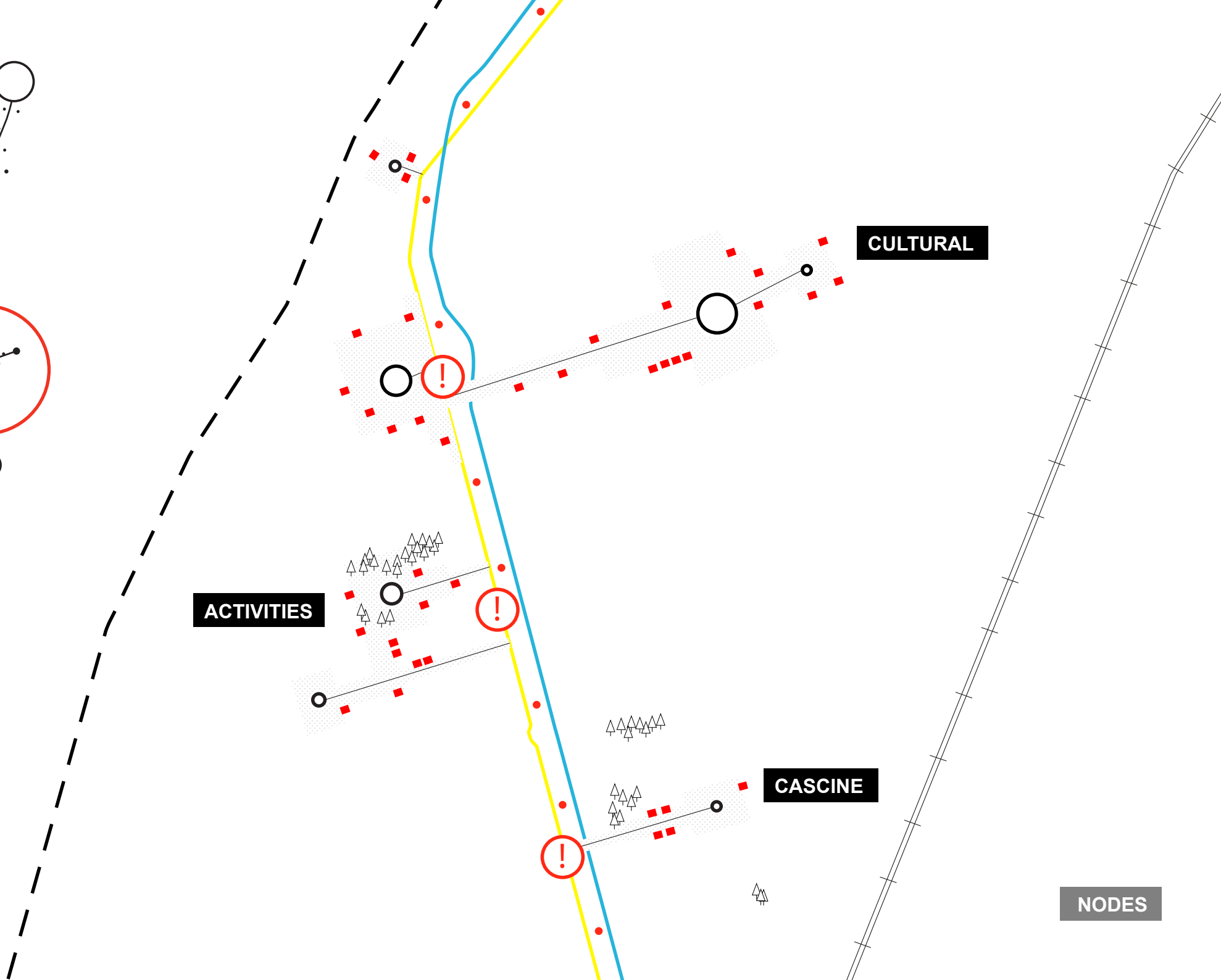


Resident



Tourist





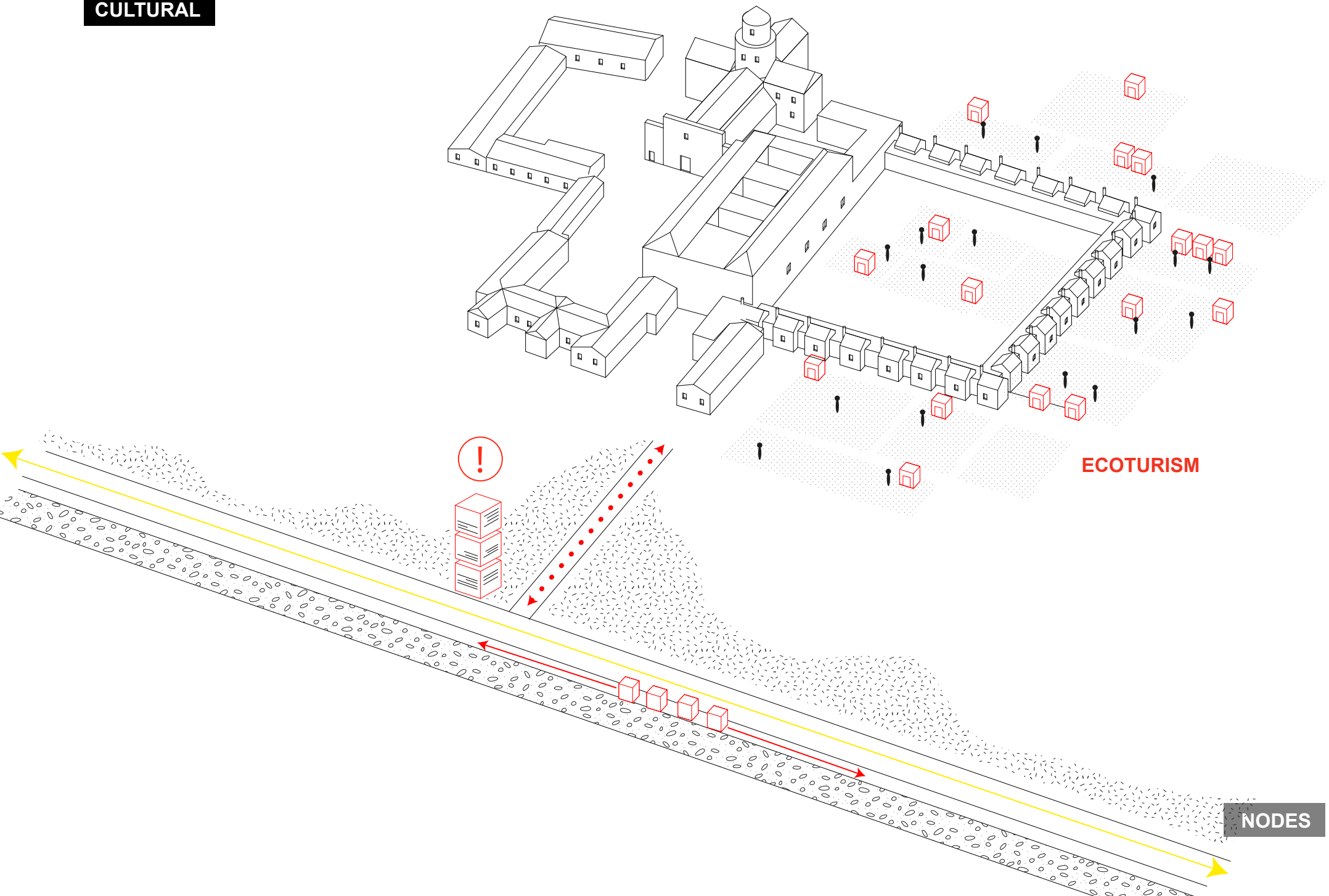
ACTIVITIES

CULTURAL

CASCINE

NODES

CULTURAL



ECOTURISM

NODES



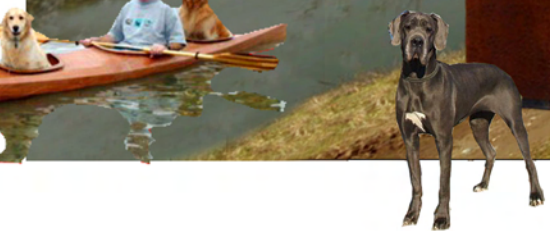
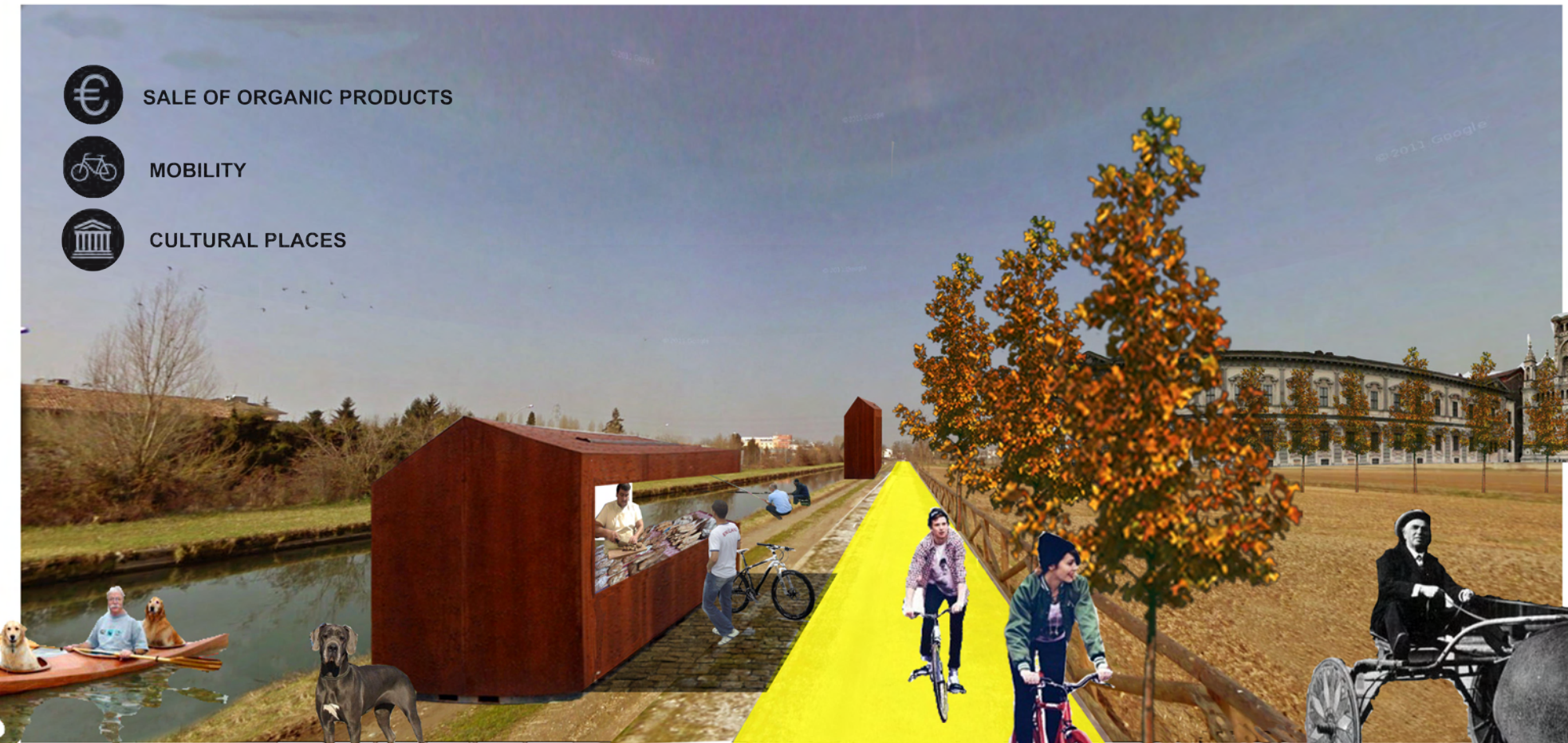
SALE OF ORGANIC PRODUCTS



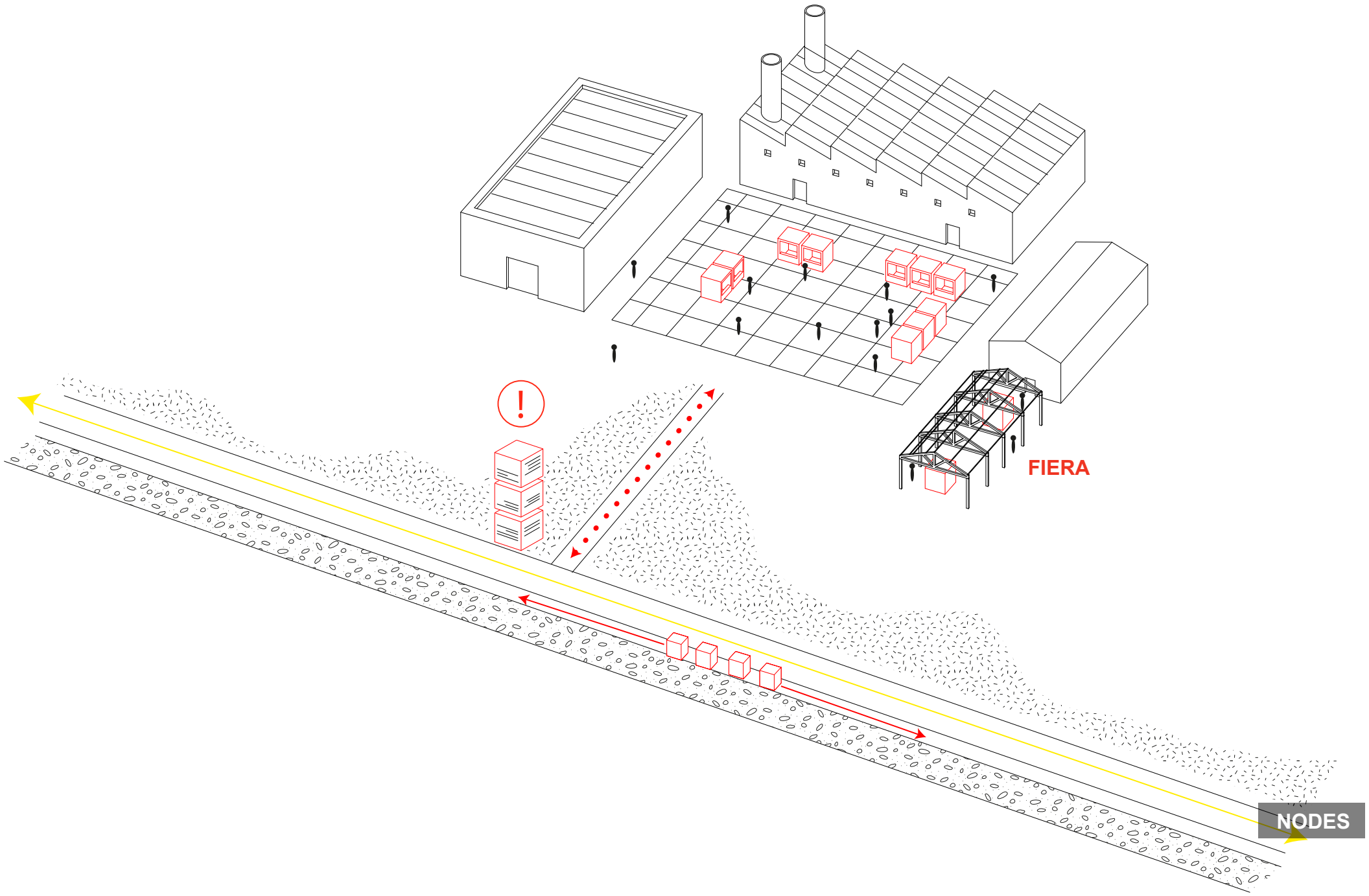
MOBILITY



CULTURAL PLACES



ACTIVITIES





REUSE OF INDUSTRIAL BUILDINGS FOR DIFFERENT ACTIVITIES



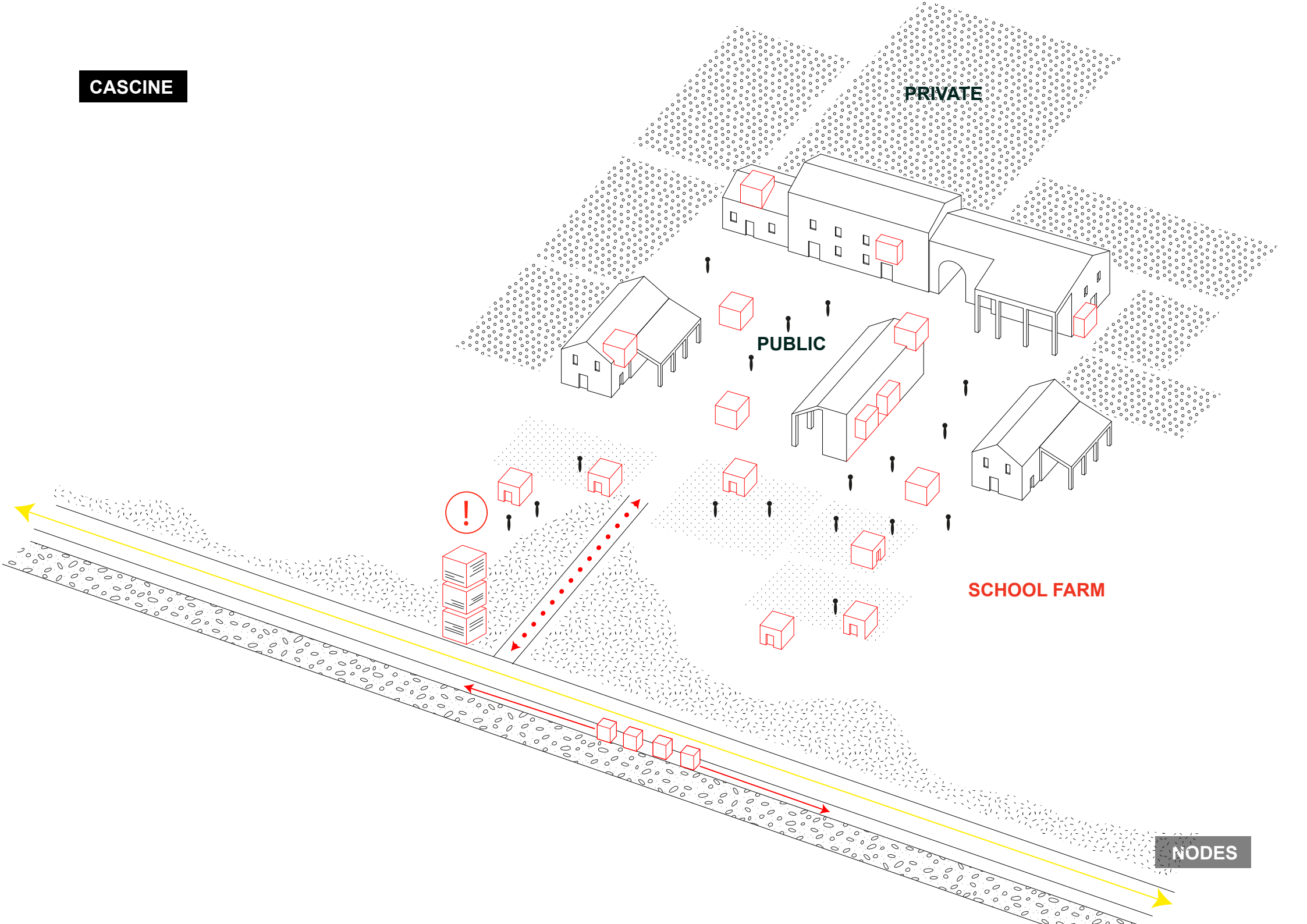
SHELTERS CHARGE BIKES, MOBILE, PC, WIFI CONNECTION



BIKE SHARING



CASCINE



PRIVATE

PUBLIC

SCHOOL FARM

NODES



FARMING SCHOOL



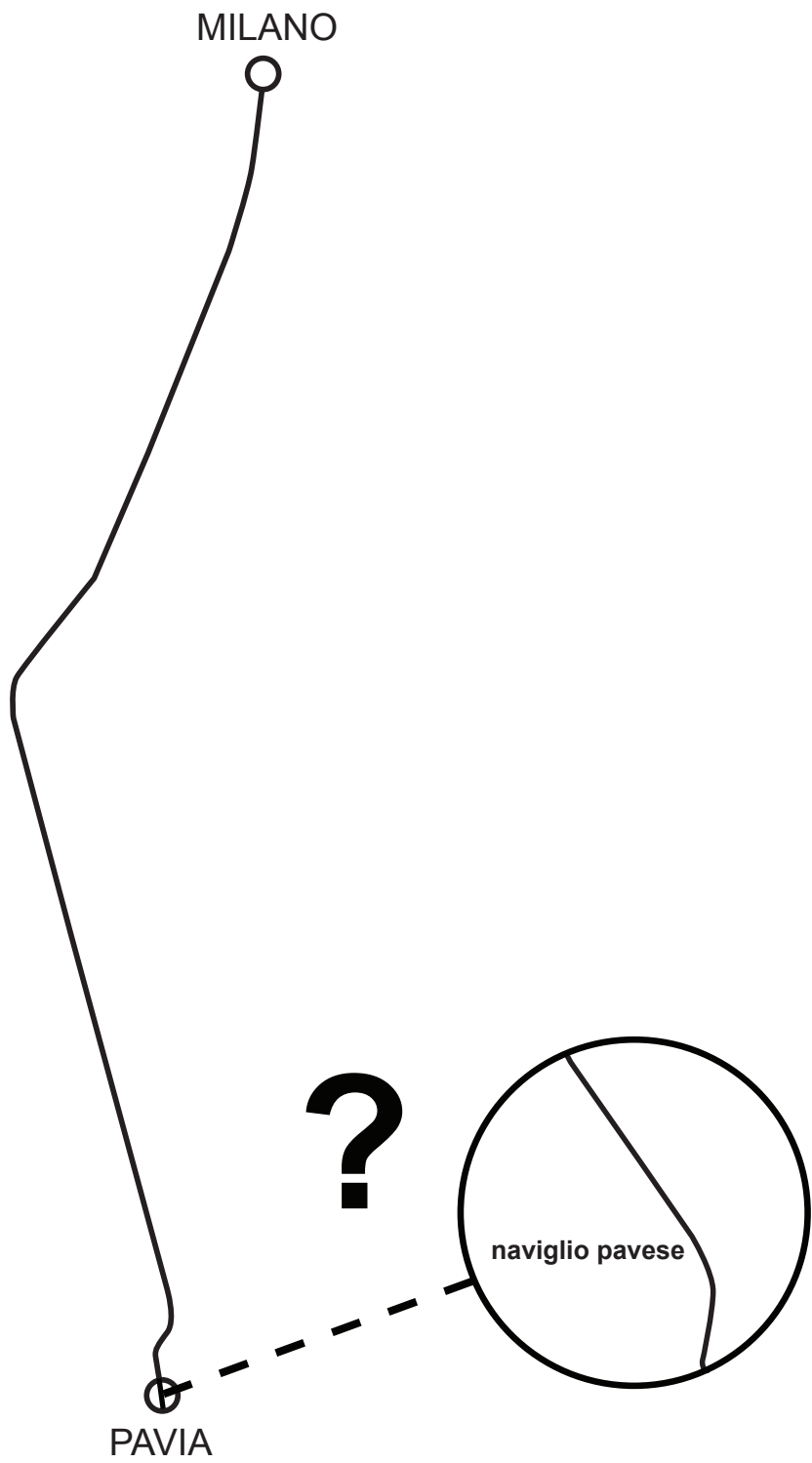
PLAYGROUND



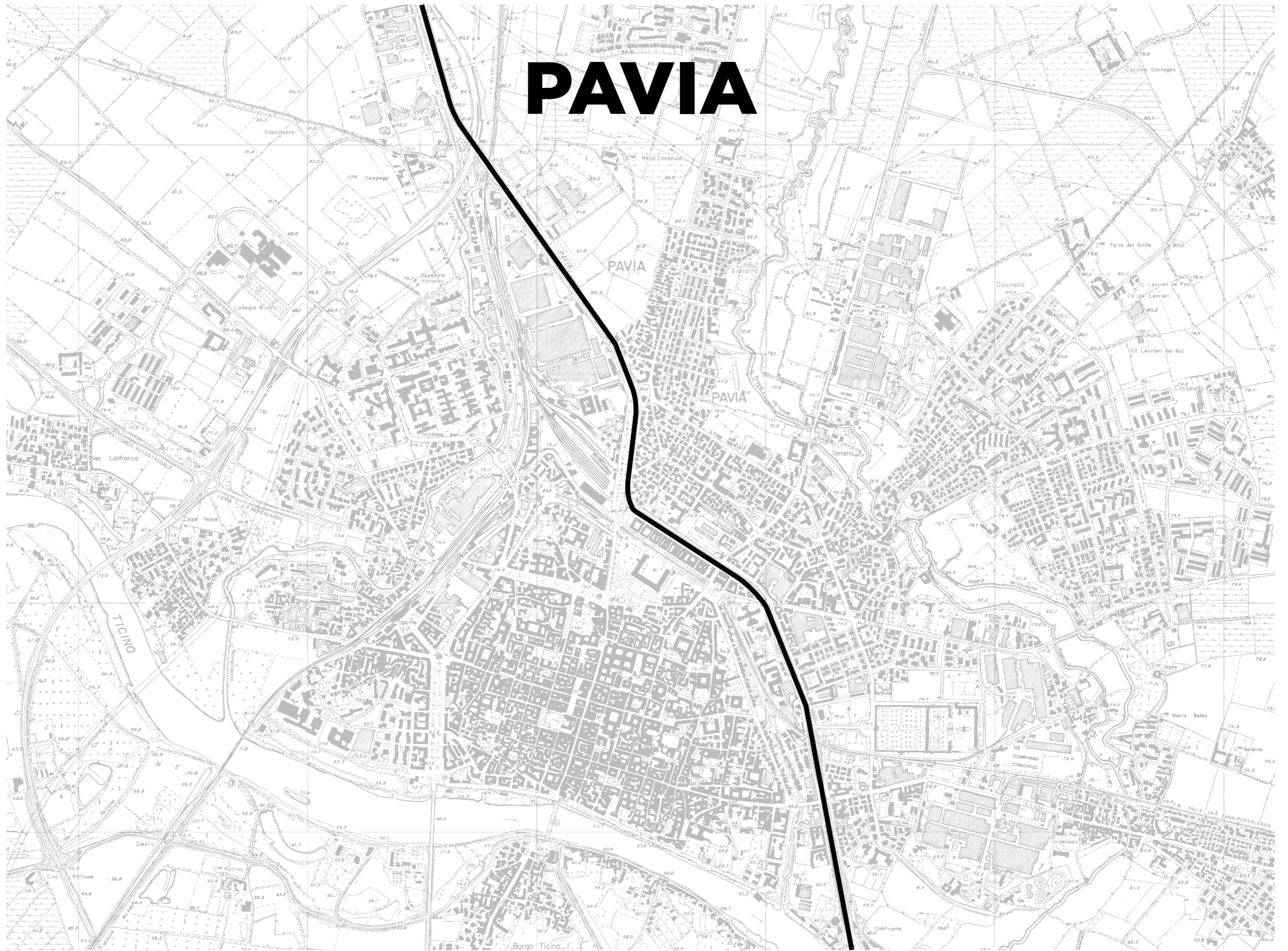
URBAN GARDENS



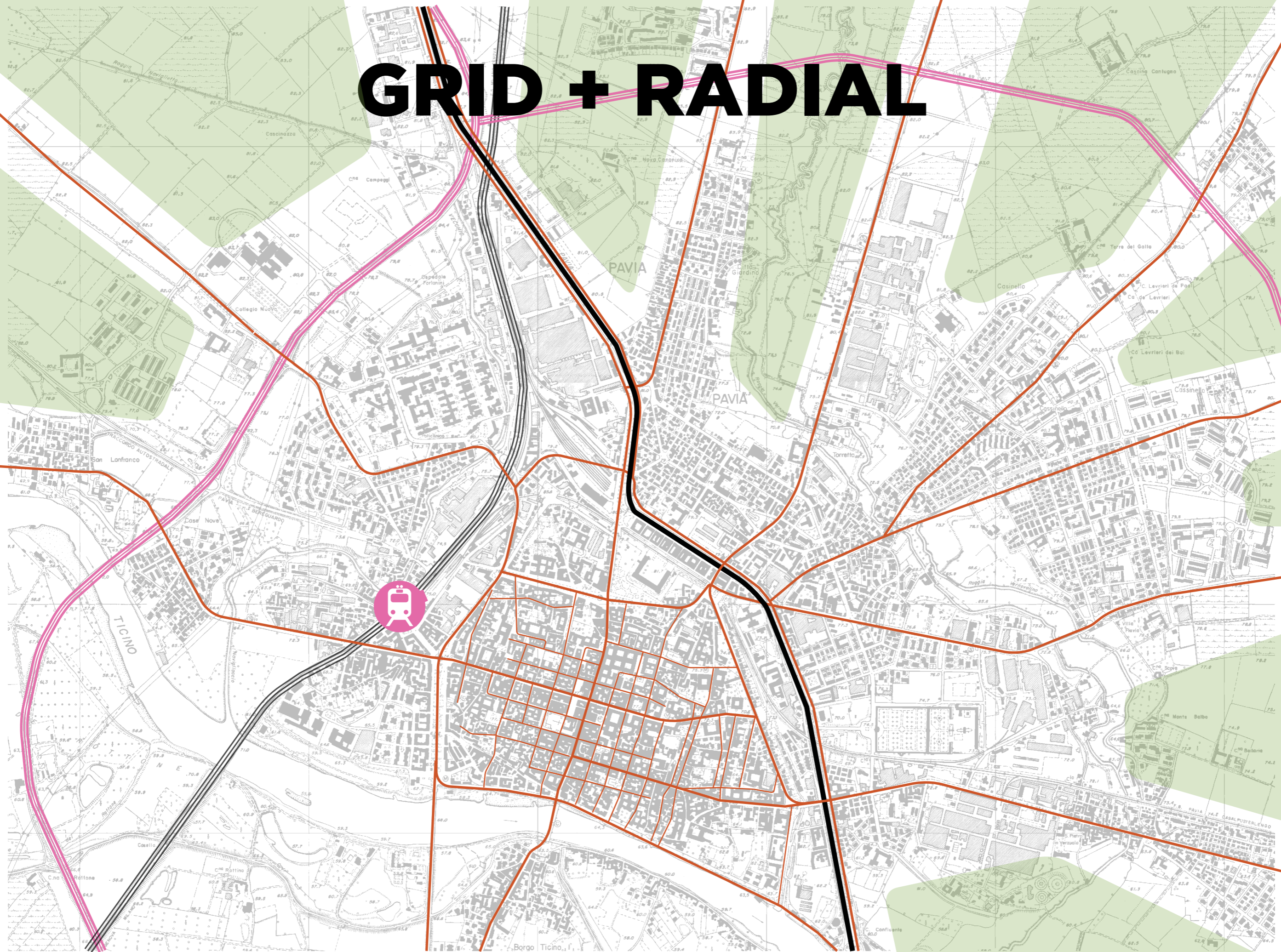
**TERRITORIAL SYSTEM?
TERRITORIAL CAMPUS?**



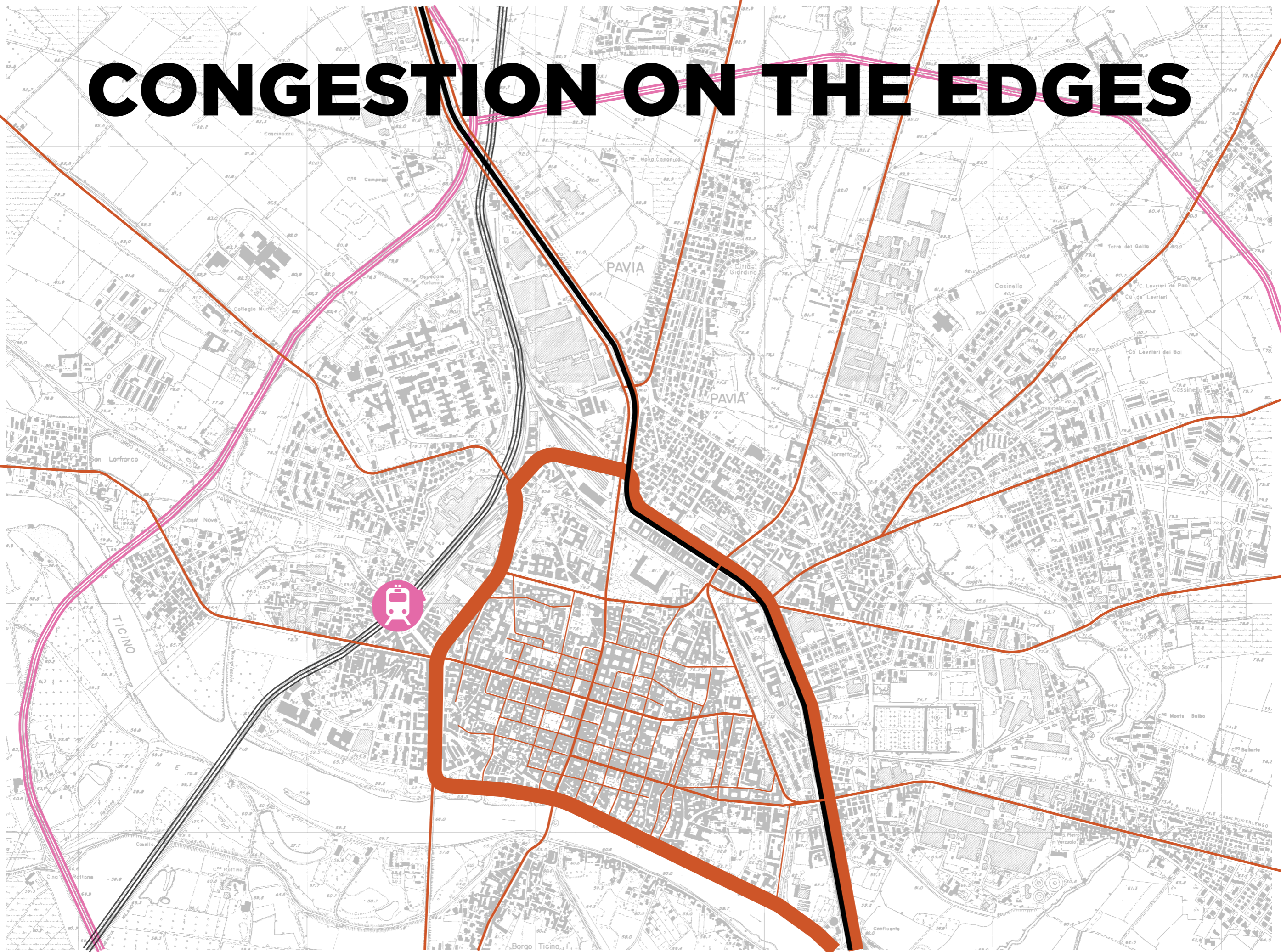
PAVIA



GRID + RADIAL

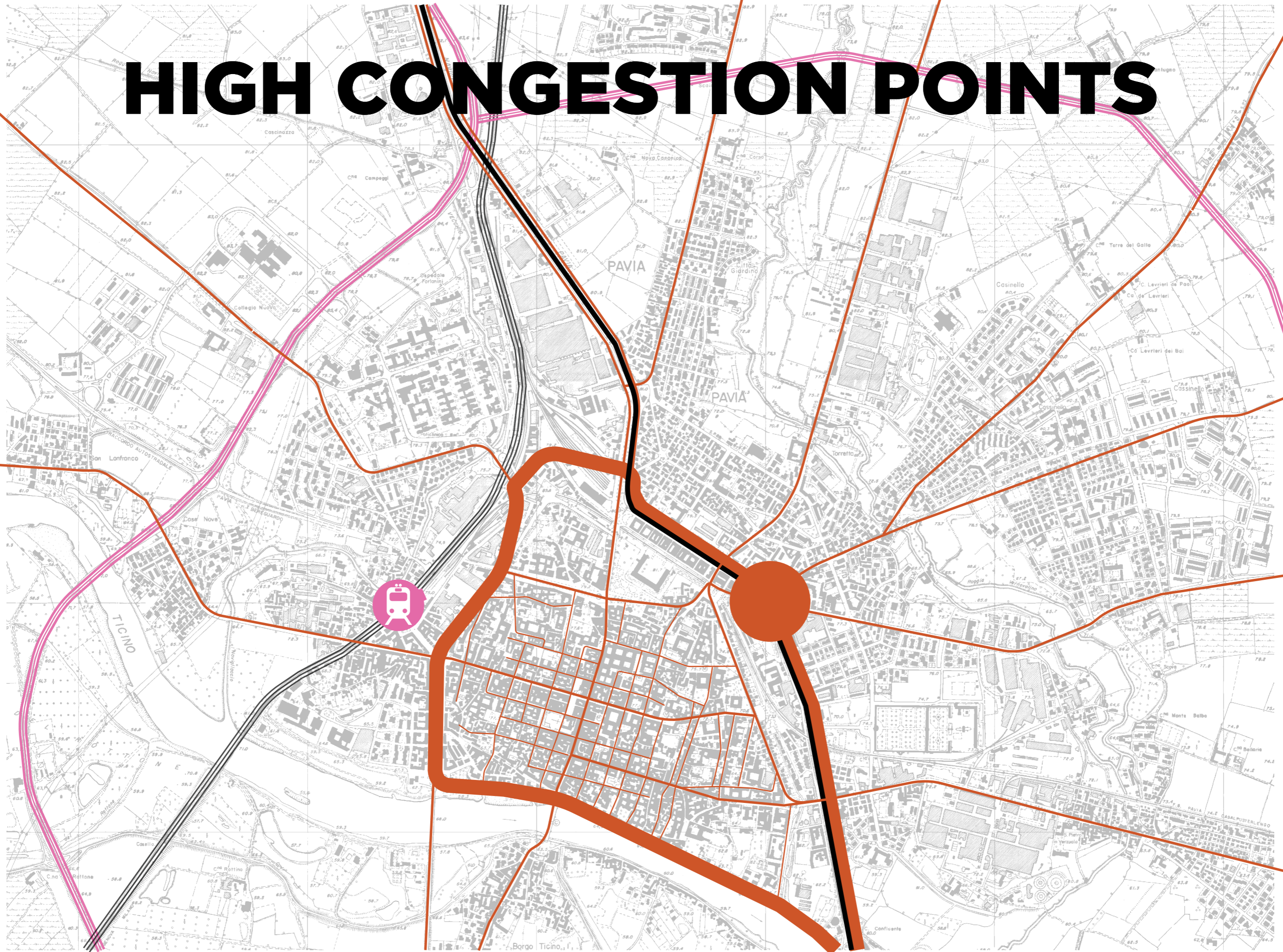


CONGESTION ON THE EDGES





HIGH CONGESTION POINTS



HOW CAN WE GO FROM THIS



TO THIS



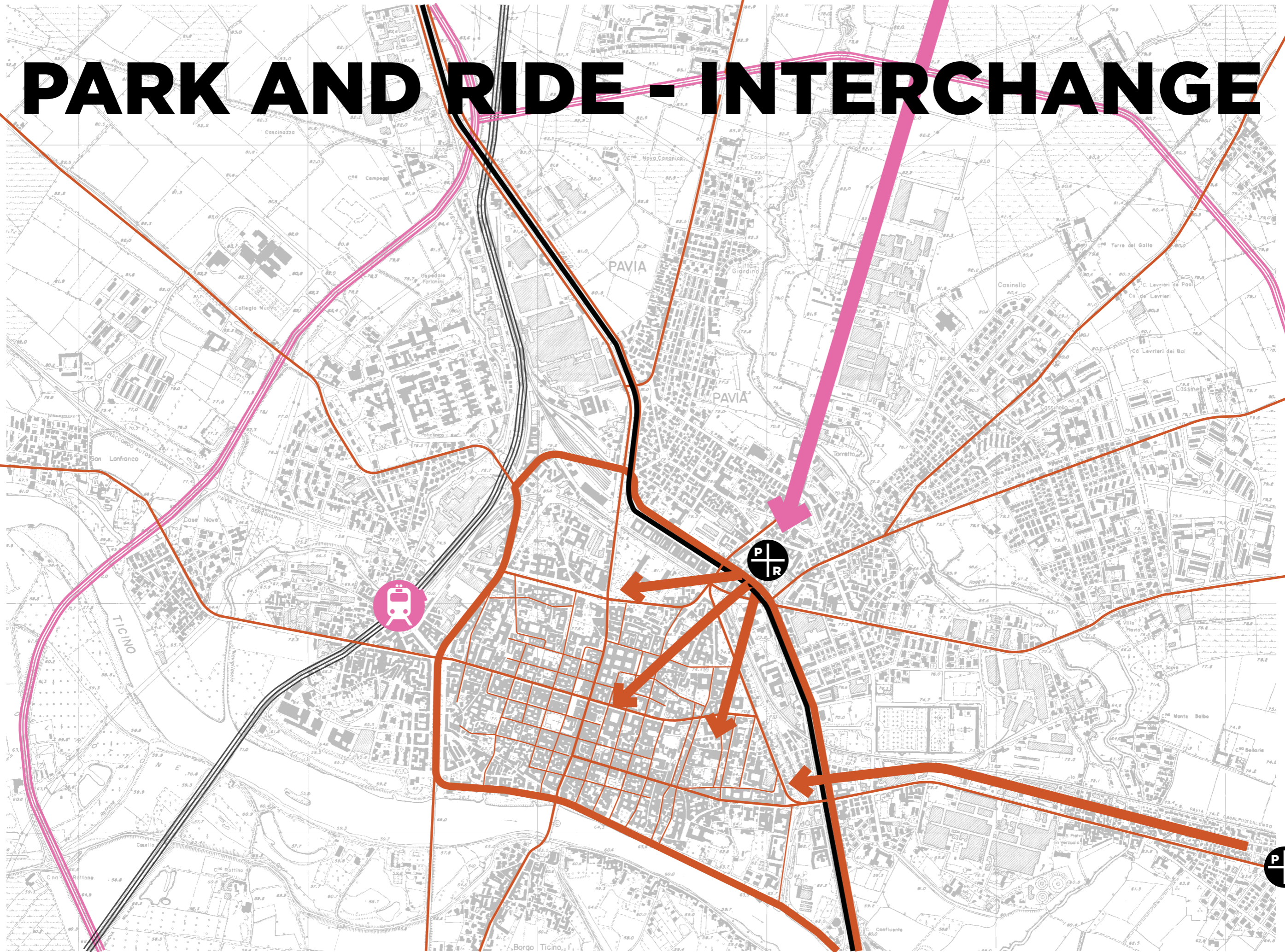
TIMES FOR BICYCLE

**2km /
7min**

**3km /
10min**



PARK AND RIDE - INTERCHANGE

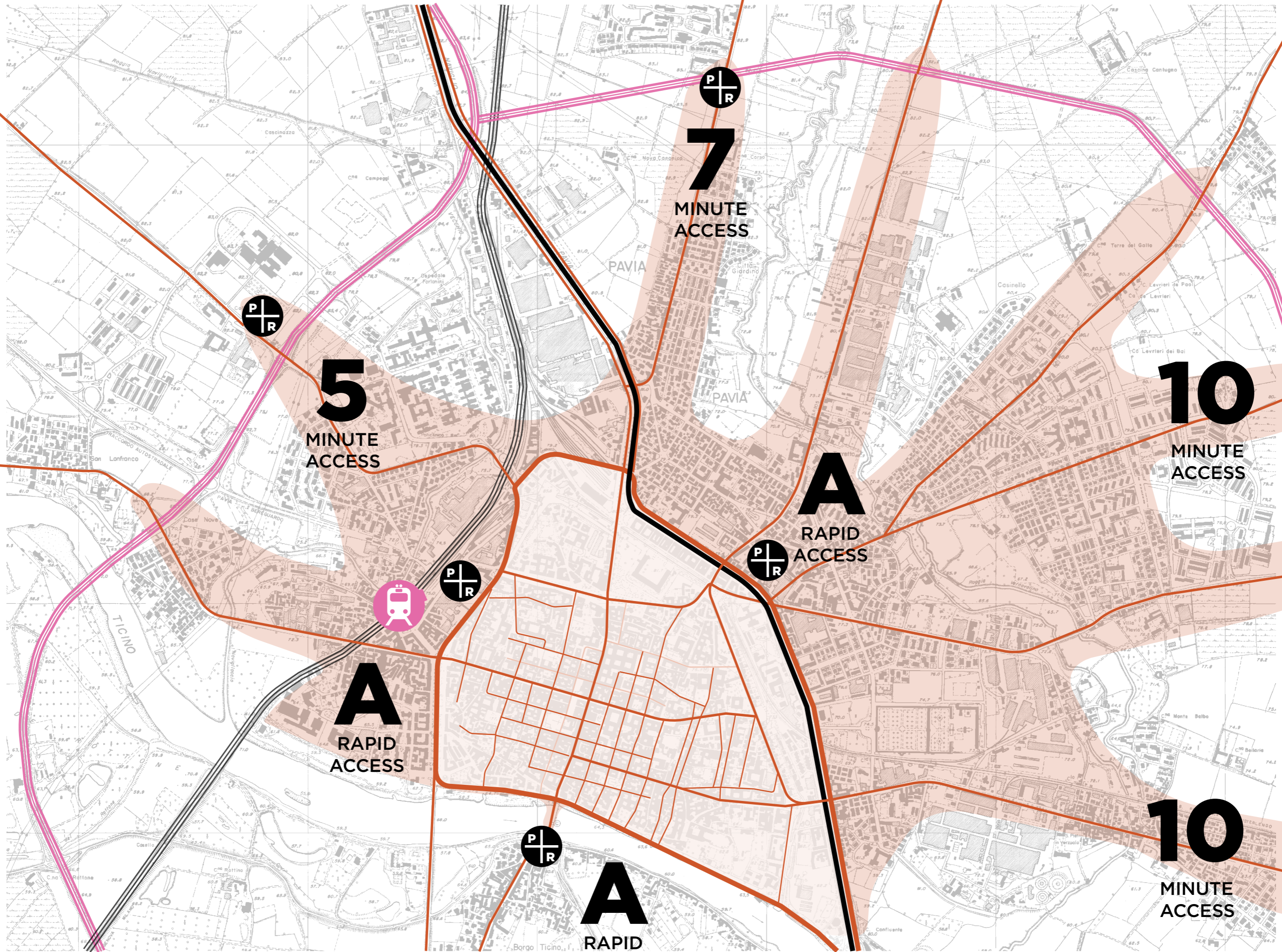


PARK AND RIDE - INTERCHANGE



MODERN LIGHT TRAFFIC





5

MINUTE
ACCESS

7

MINUTE
ACCESS

10

MINUTE
ACCESS

A

RAPID
ACCESS

A

RAPID
ACCESS

A

RAPID
ACCESS

10

MINUTE
ACCESS



TICINO

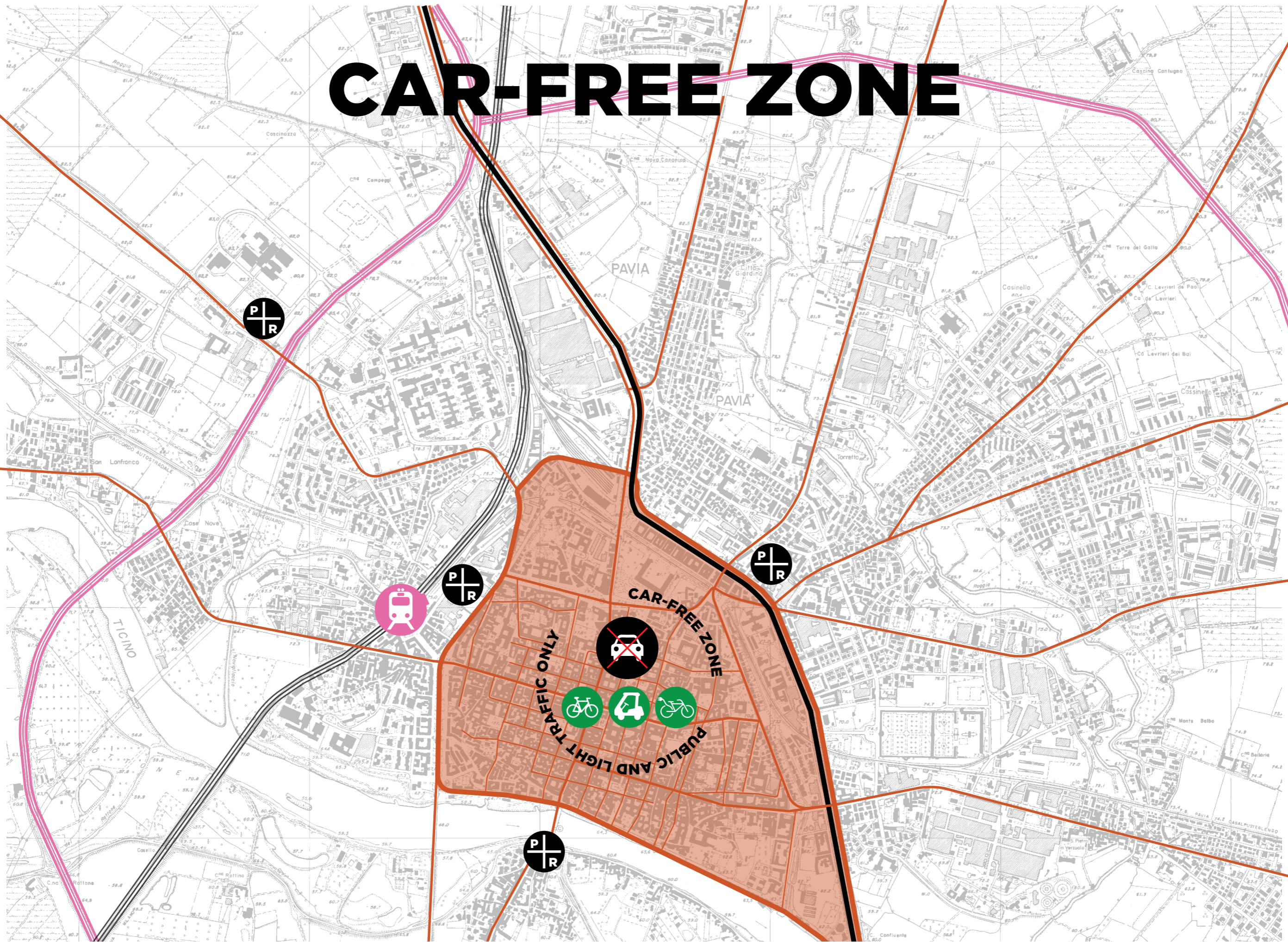
PAVIA

PAVIA

Borgo Ticino

VERLENZO

CAR-FREE ZONE



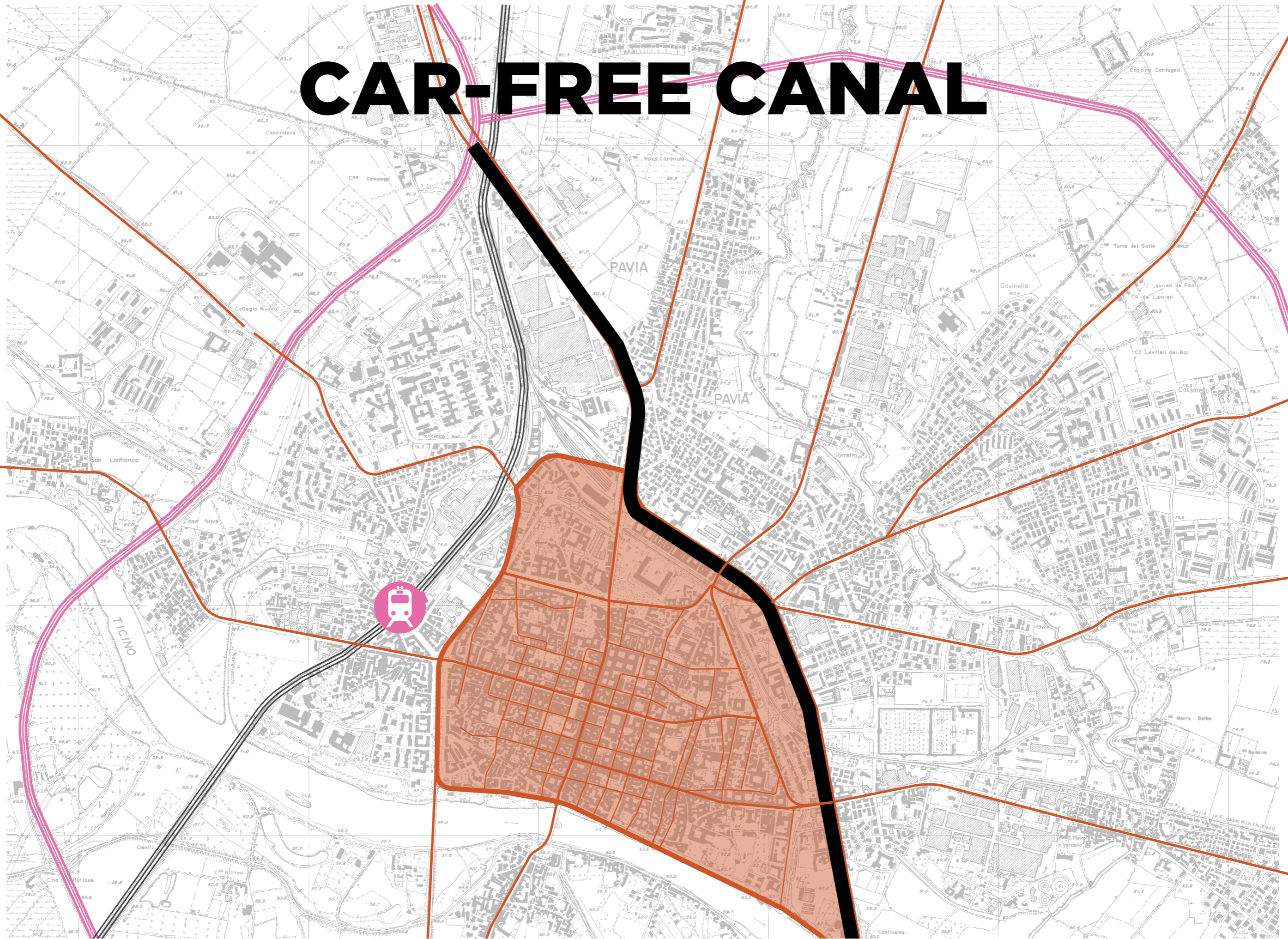
 PARK AND RIDE

 LIGHT TRAFFIC RING ROAD

 FAST BICYCLE PATHS

 RING ROAD

CAR-FREE CANAL



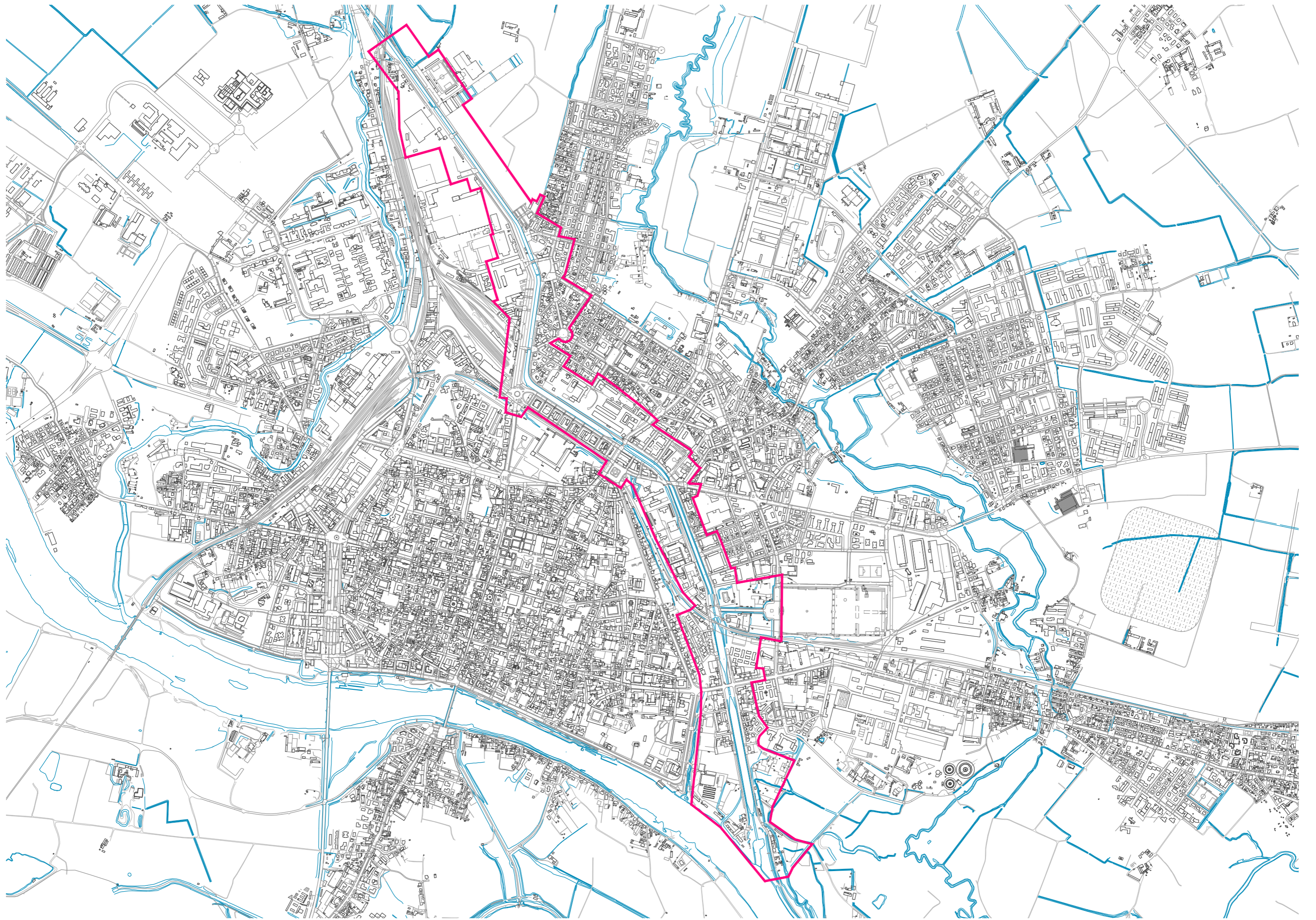
 **PARK AND RIDE**

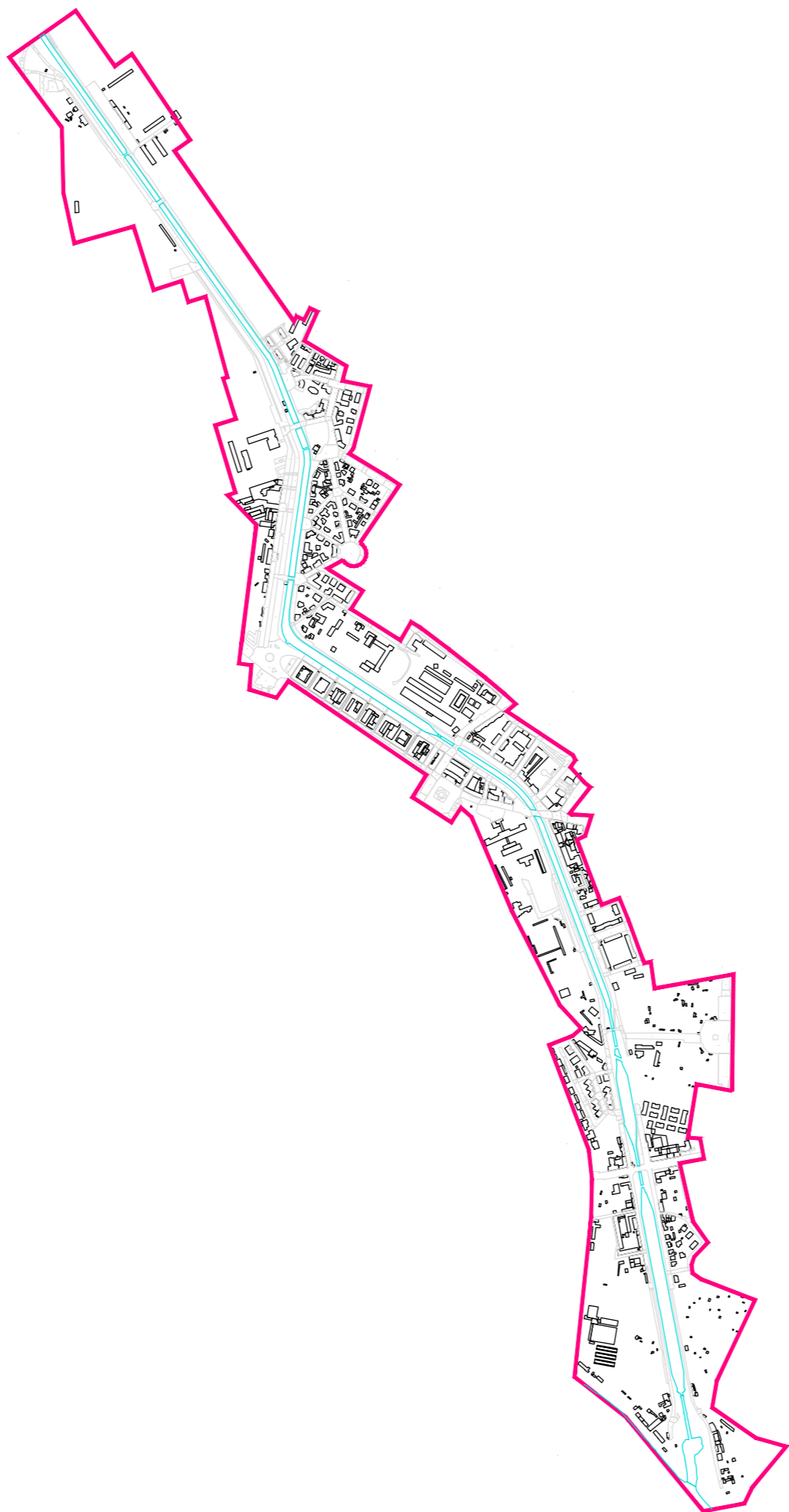
 **LIGHT TRAFFIC RING ROAD**

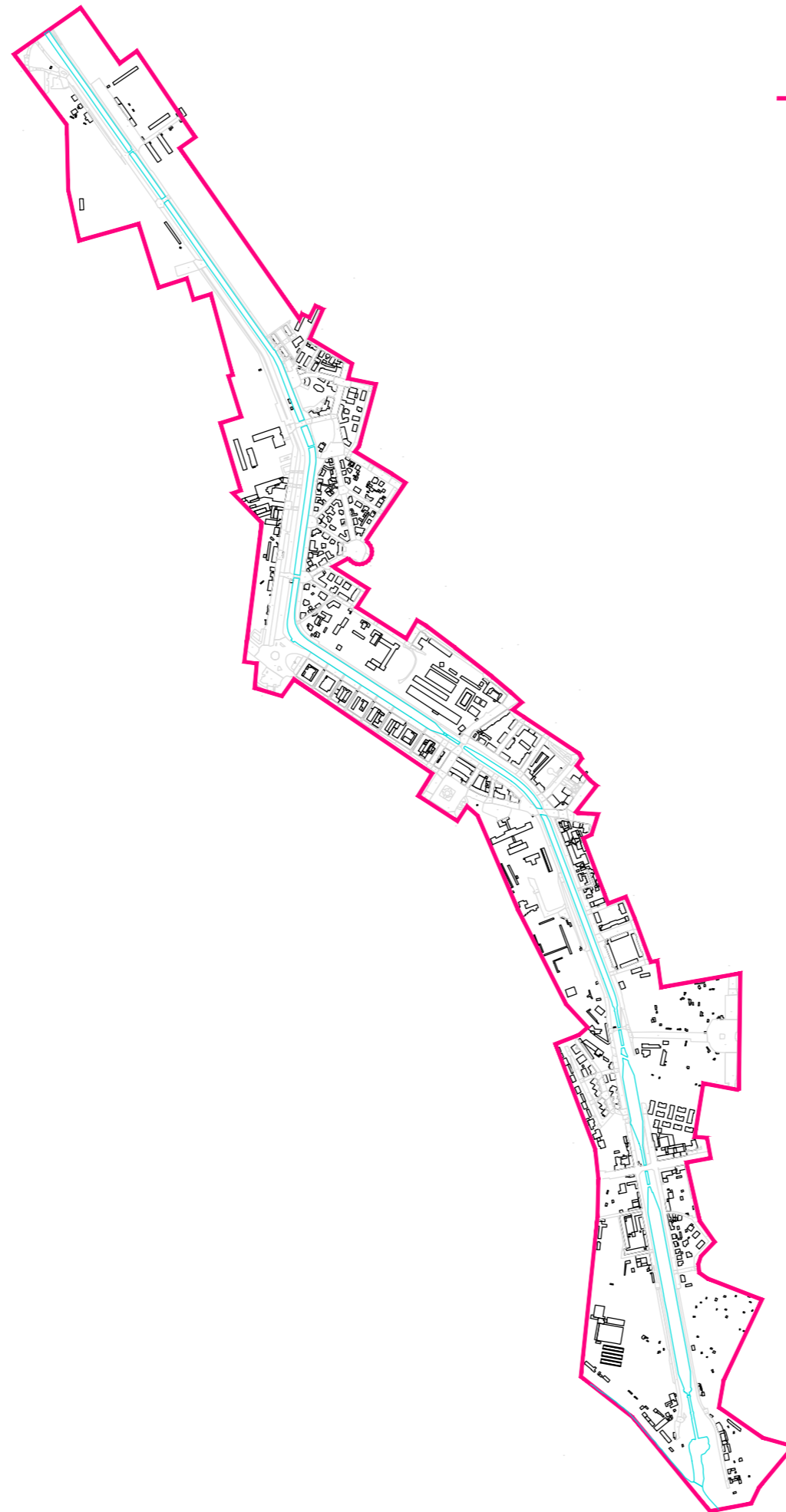
 **FAST BICYCLE PATHS**

 **RING ROAD**



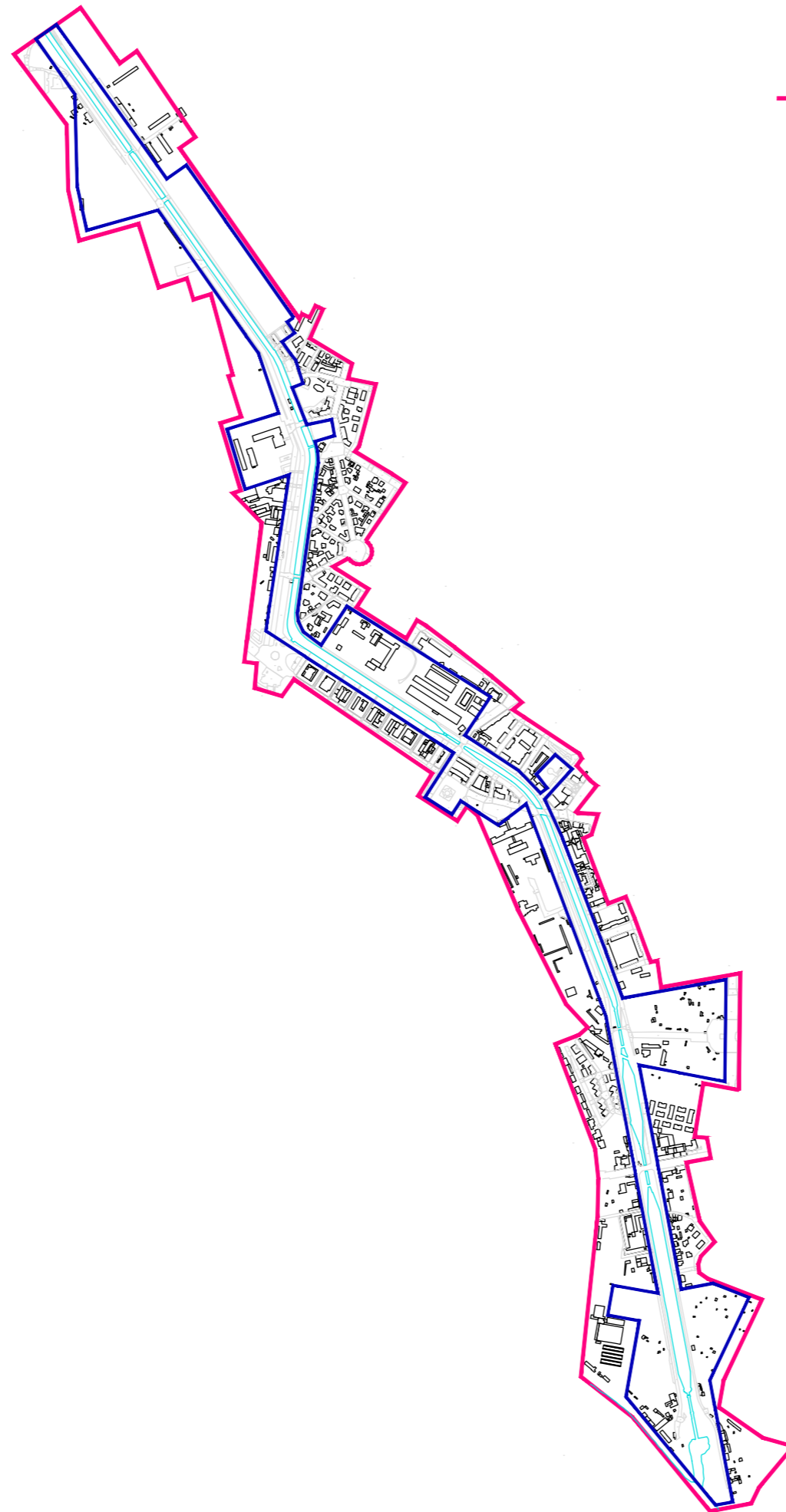






— PROTECTED AREA_LEVEL_1

- Program Implementation
- HotSpots-Linking Paths
- Increase of Porosity
- Time-shared Spaces
- New Green Areas
- Inter-Generational Spaces
- New Parking Spaces

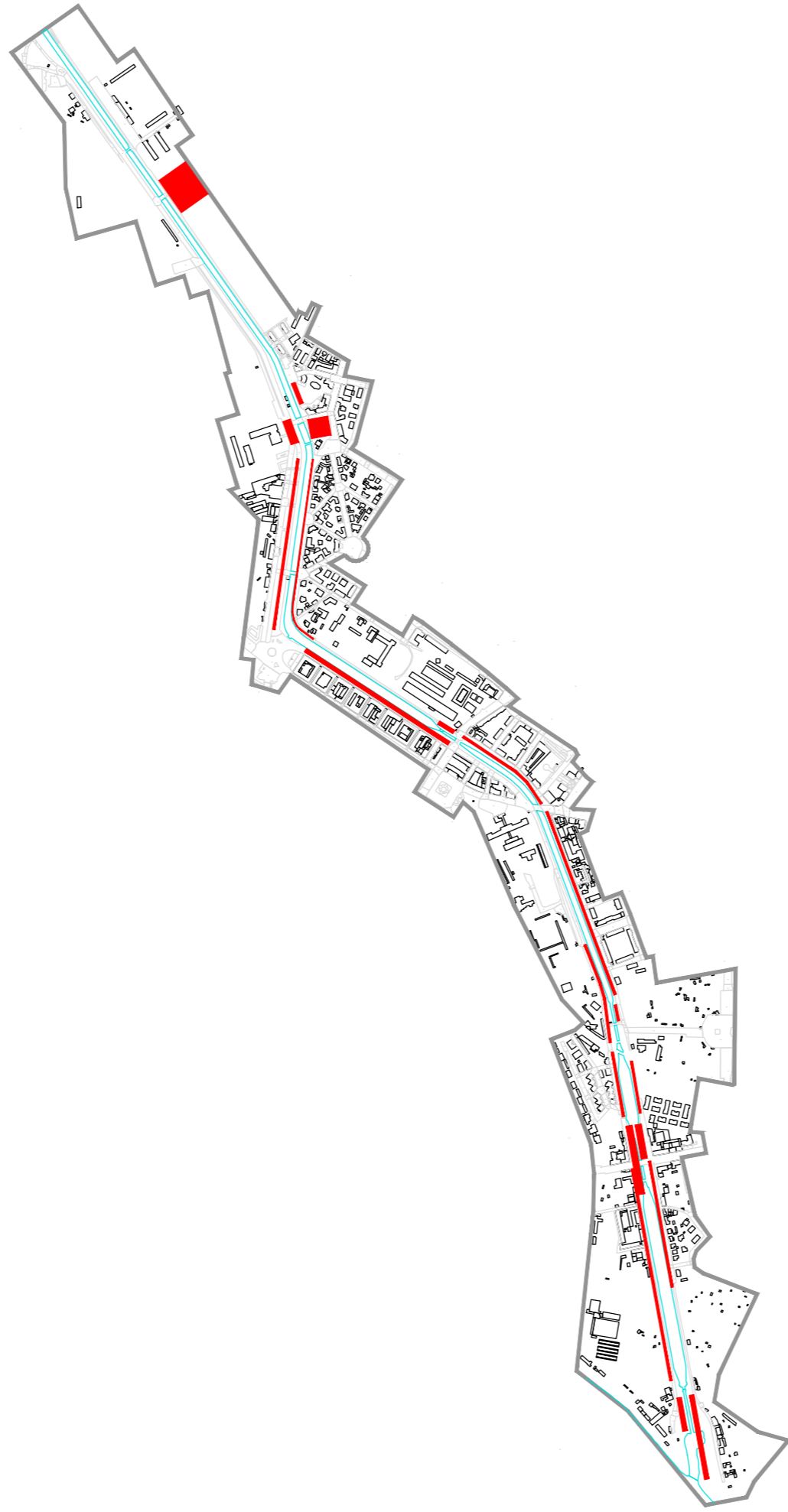


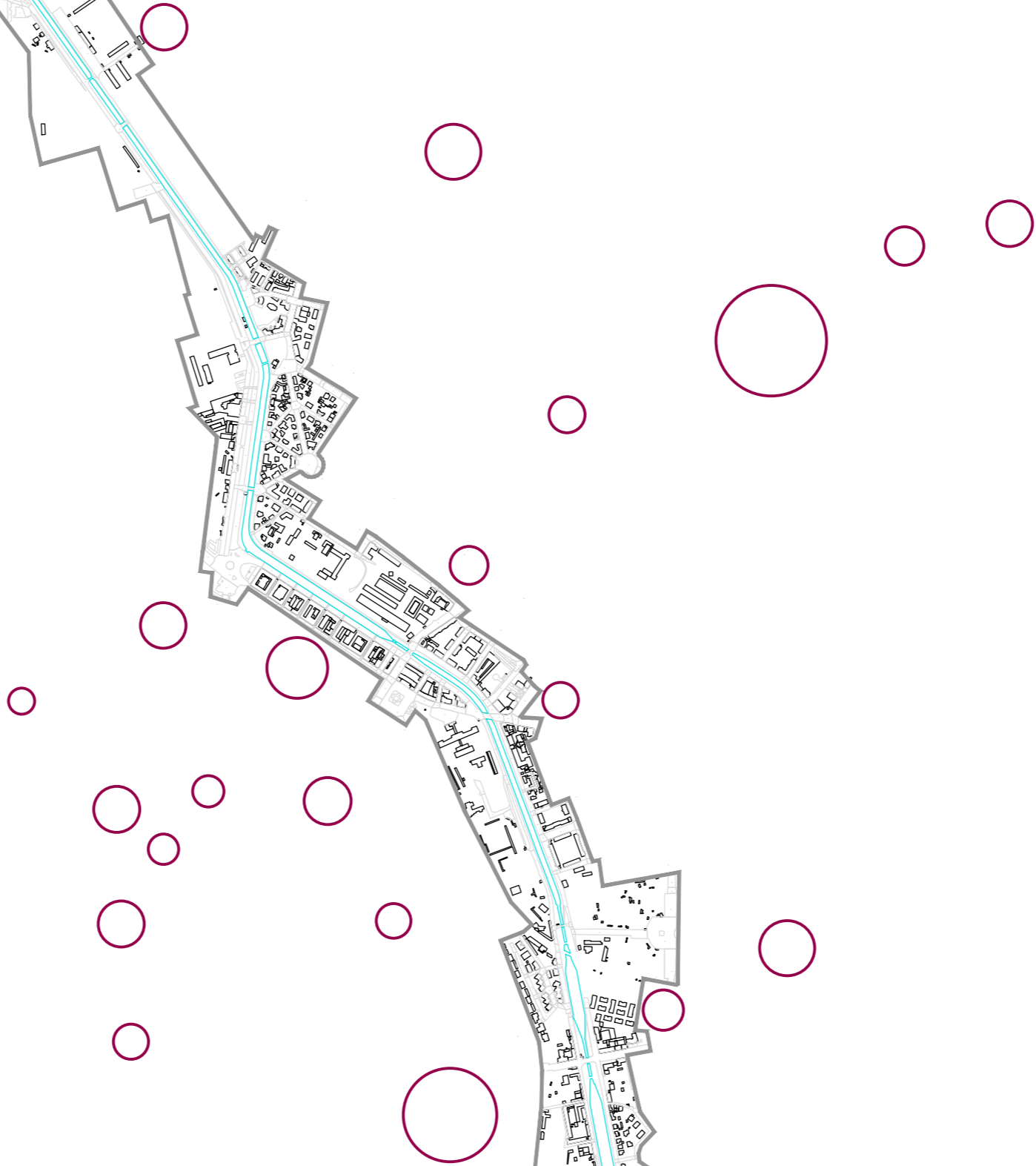
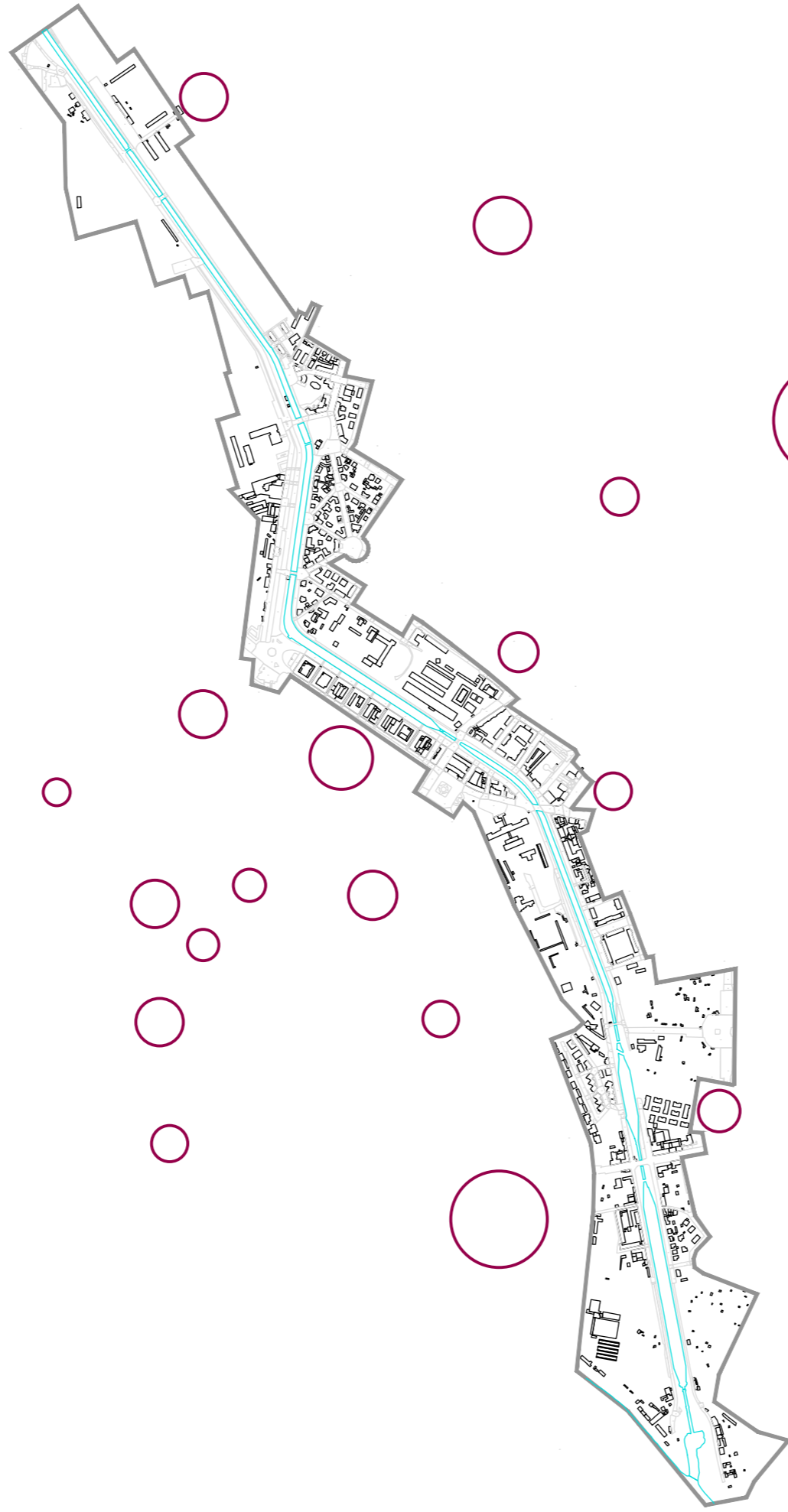
PROTECTED AREA_LEVEL_1

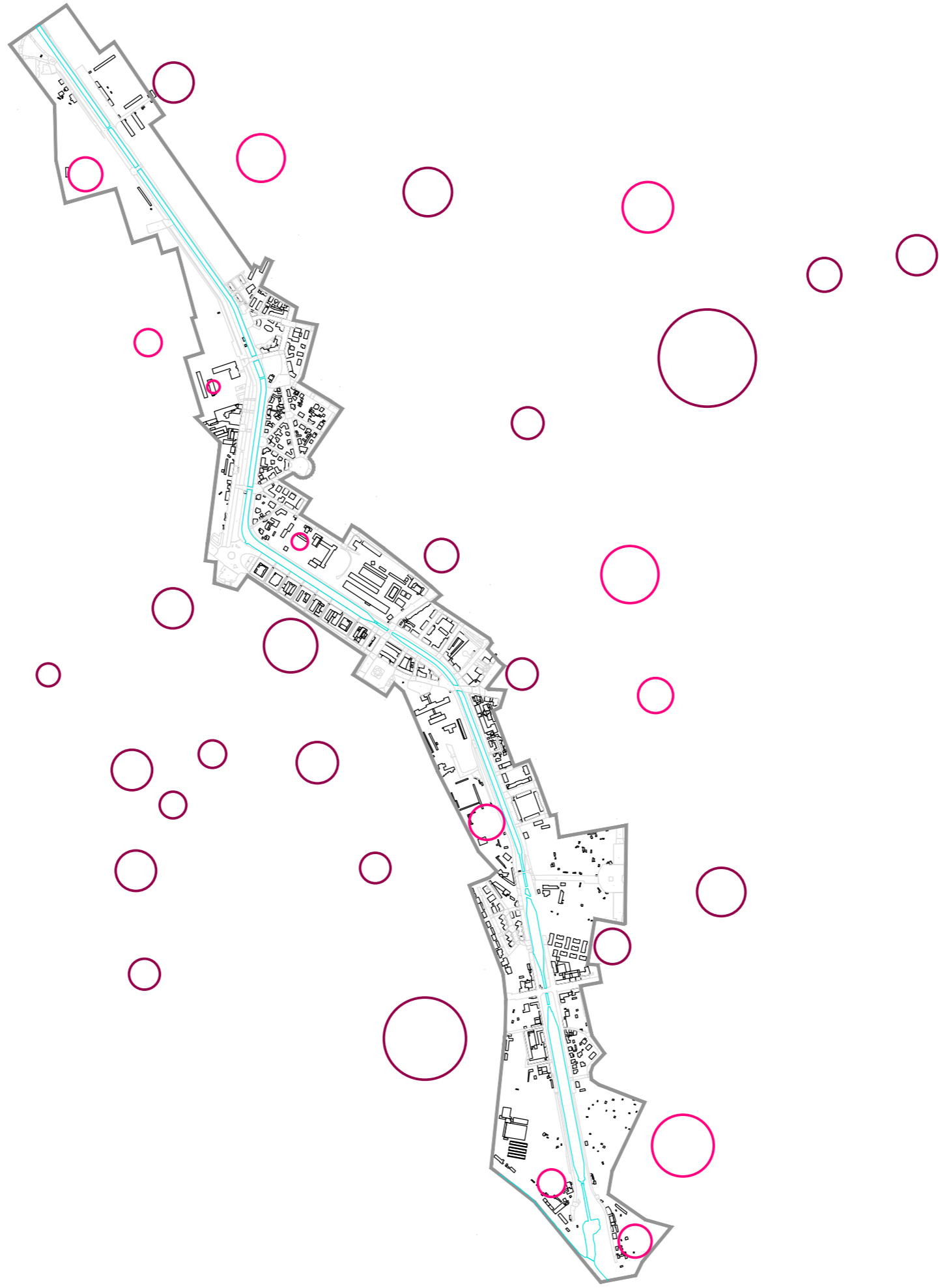
- Program Implementation
- HotSpots-Linking Paths
- Increase of Porosity
- Time-shared Spaces
- New Green Areas
- Inter-Generational Spaces
- New Parking Spaces

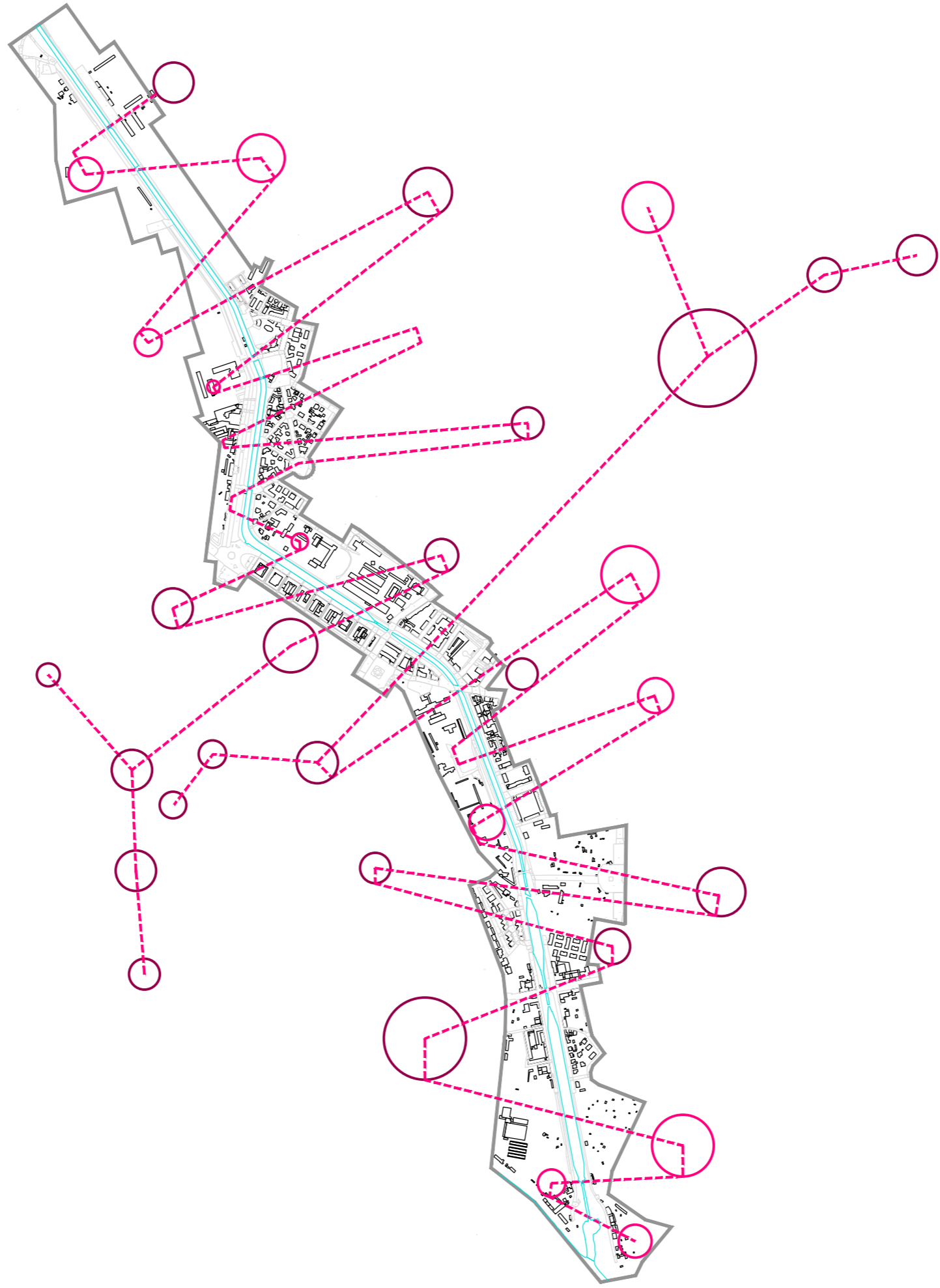
PROTECTED AREA_LEVEL_2

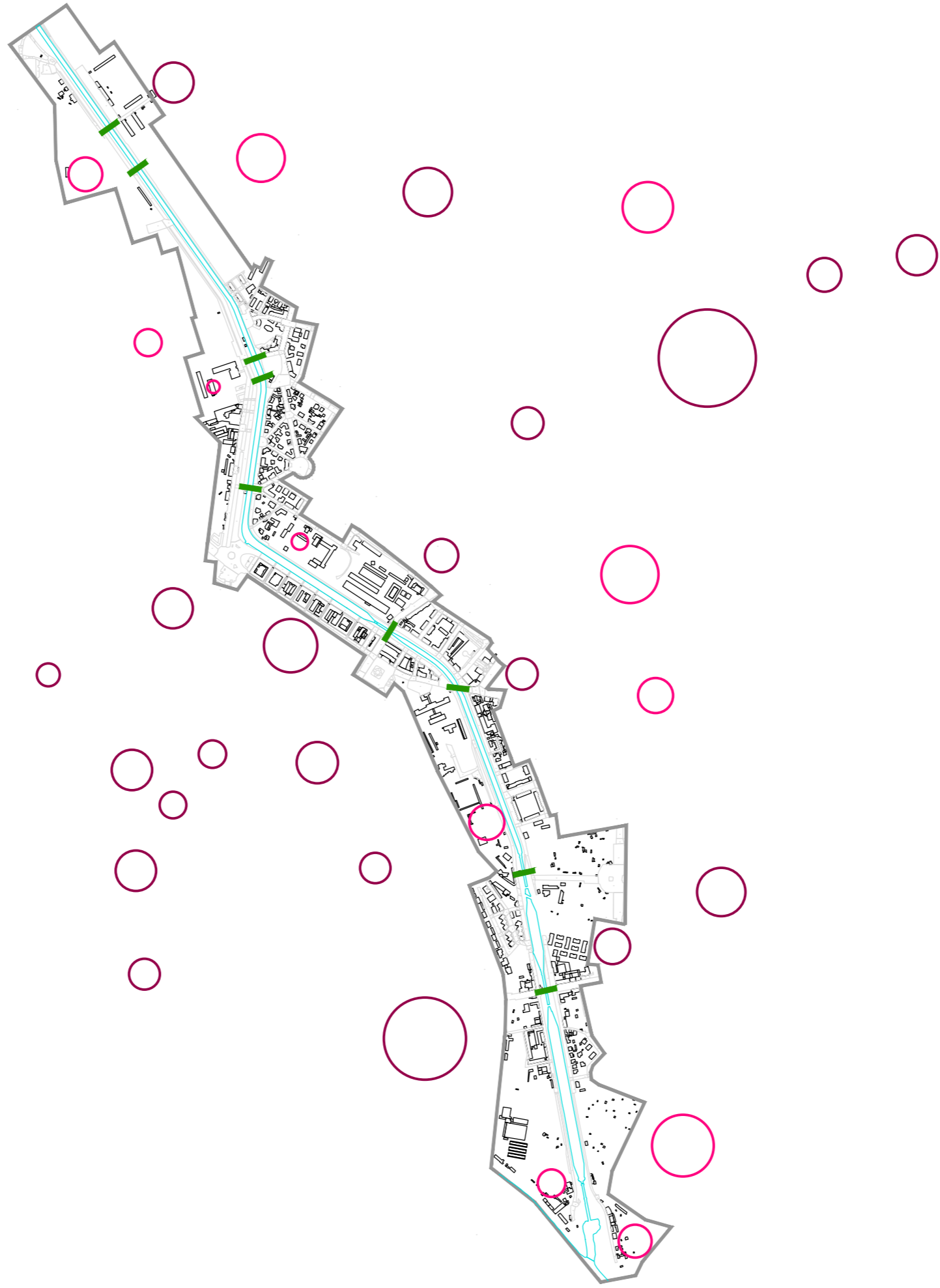
- Removal of Informal Parking Lots
- Implementing Bike Lines
- New Public Open Spaces
- Water Activities
- New Pedestrian Bridges
- New Green Areas

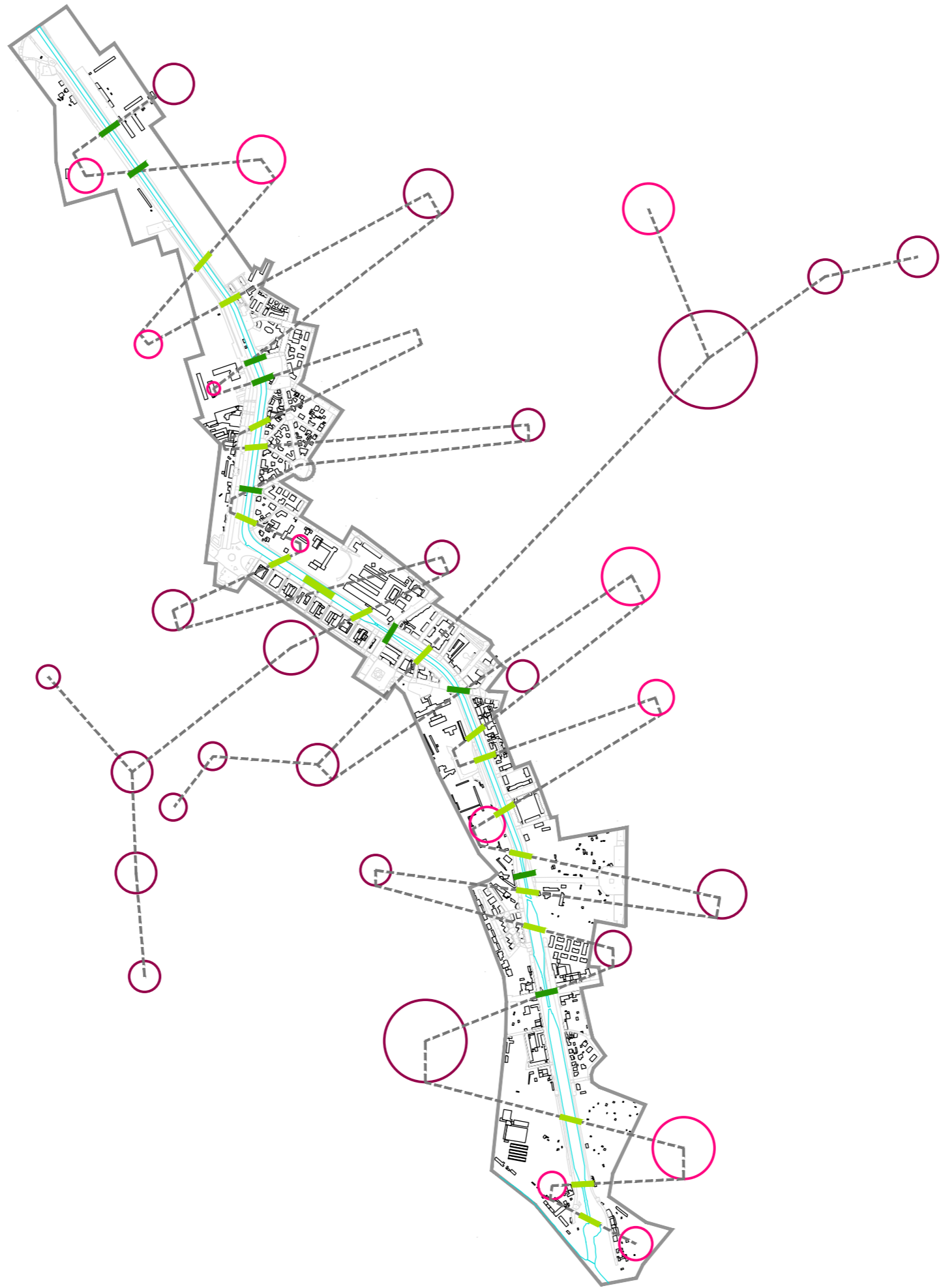




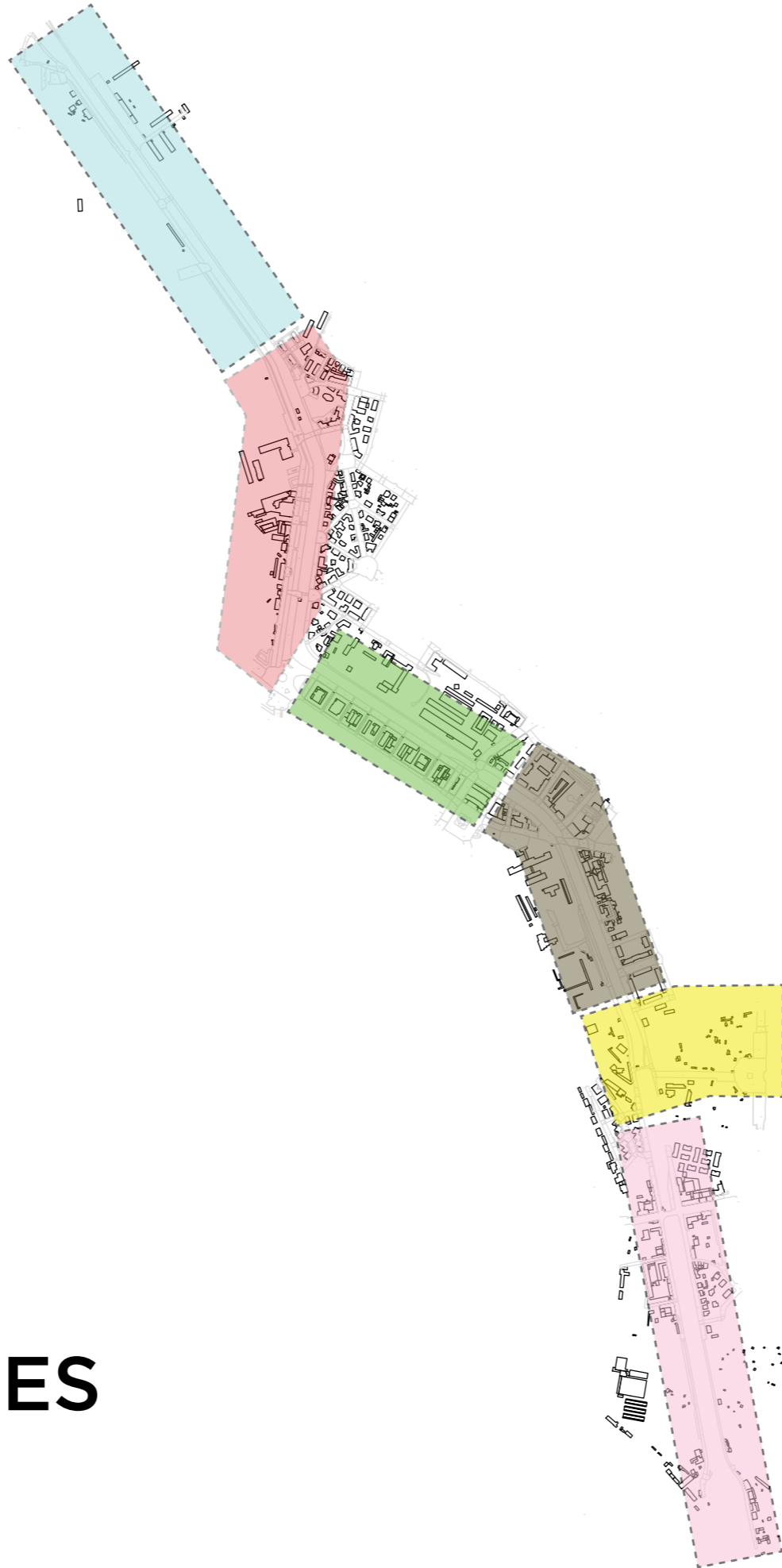




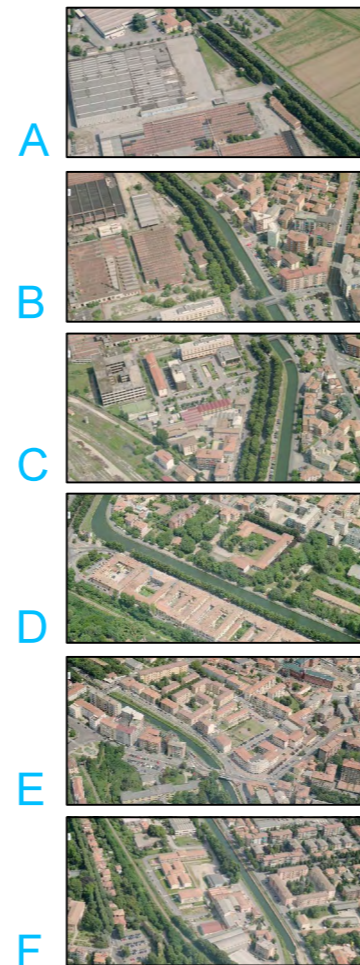
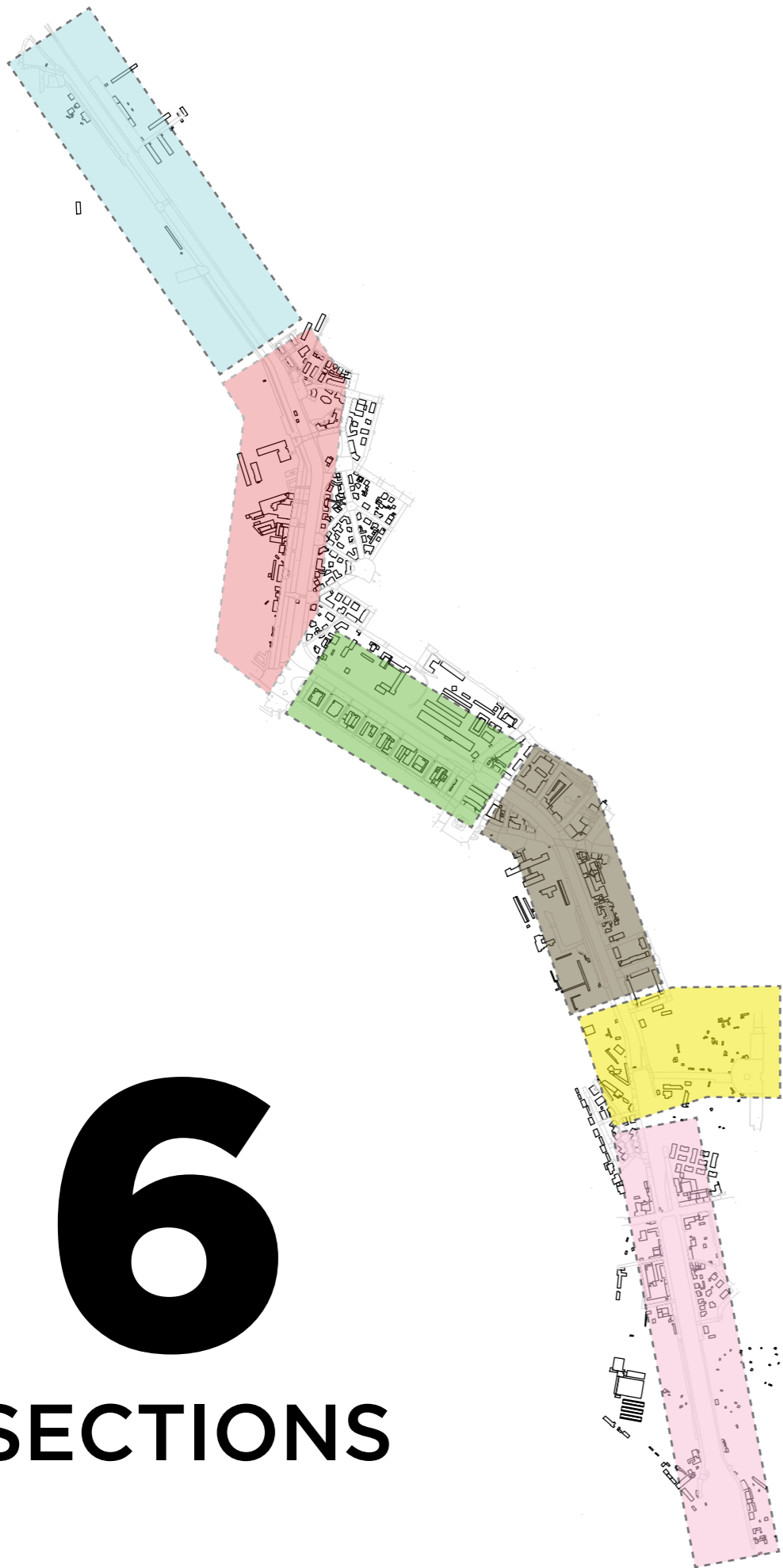




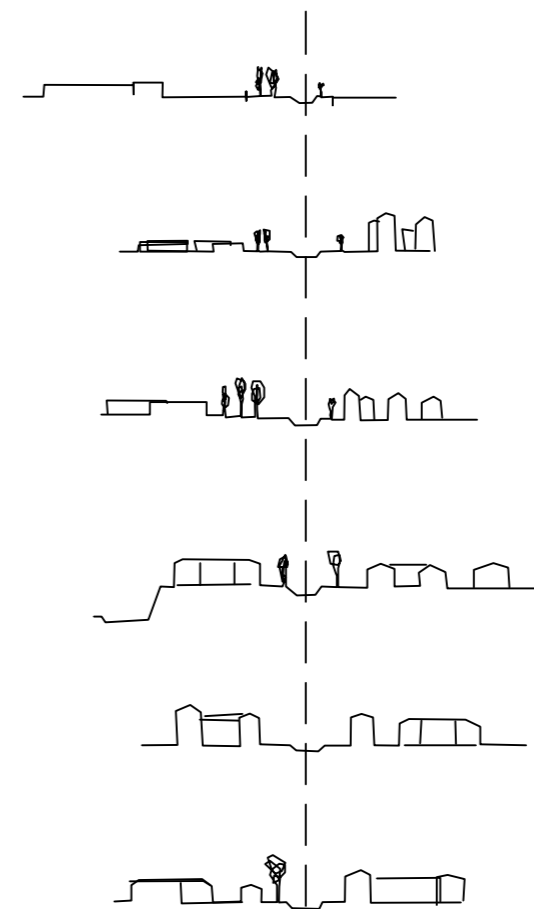
6
SECTIONS
PROGRAMS
WATER SQUARES



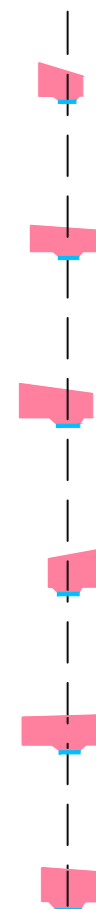
6 SECTIONS



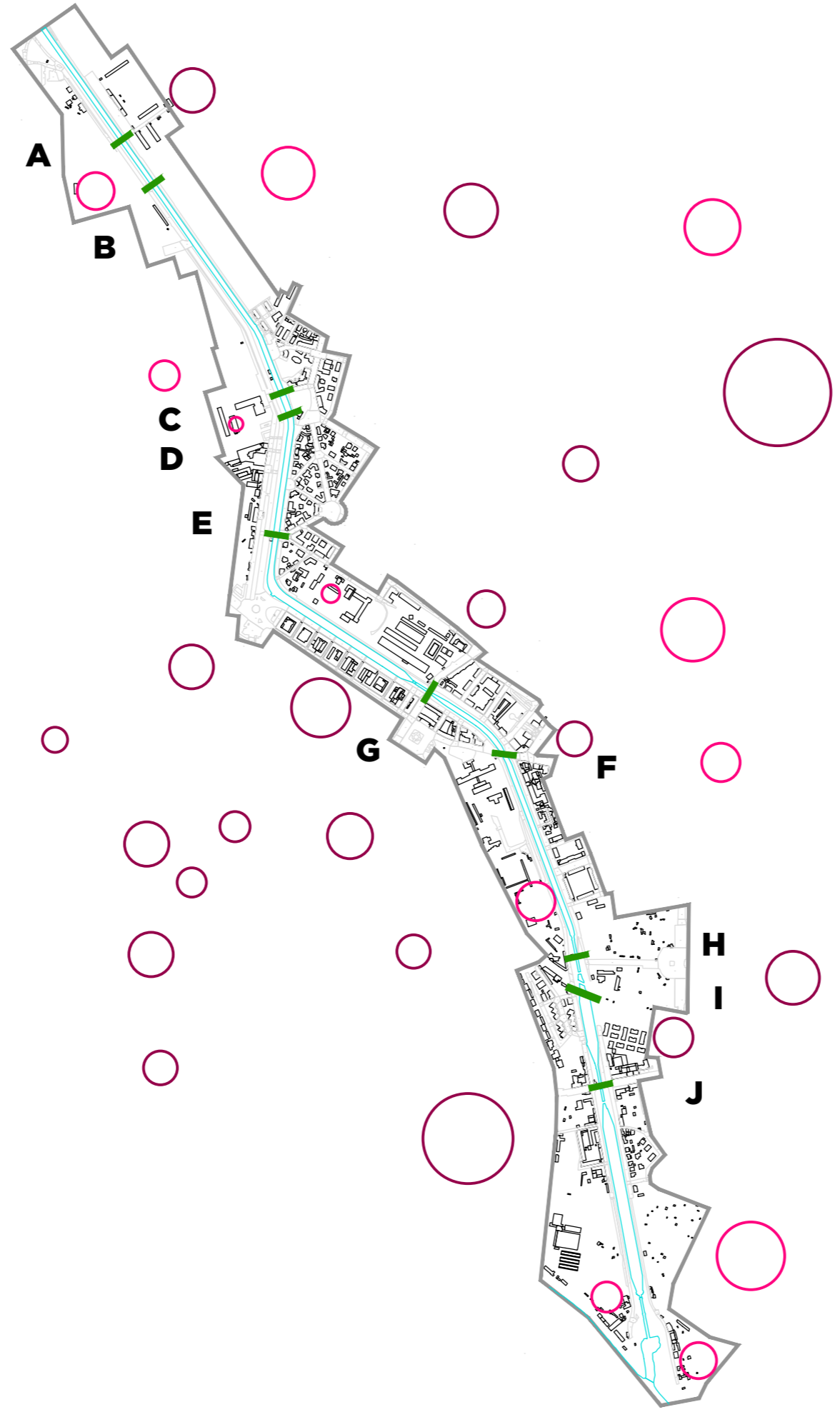
Urban Cross-Sections



Urban Valley

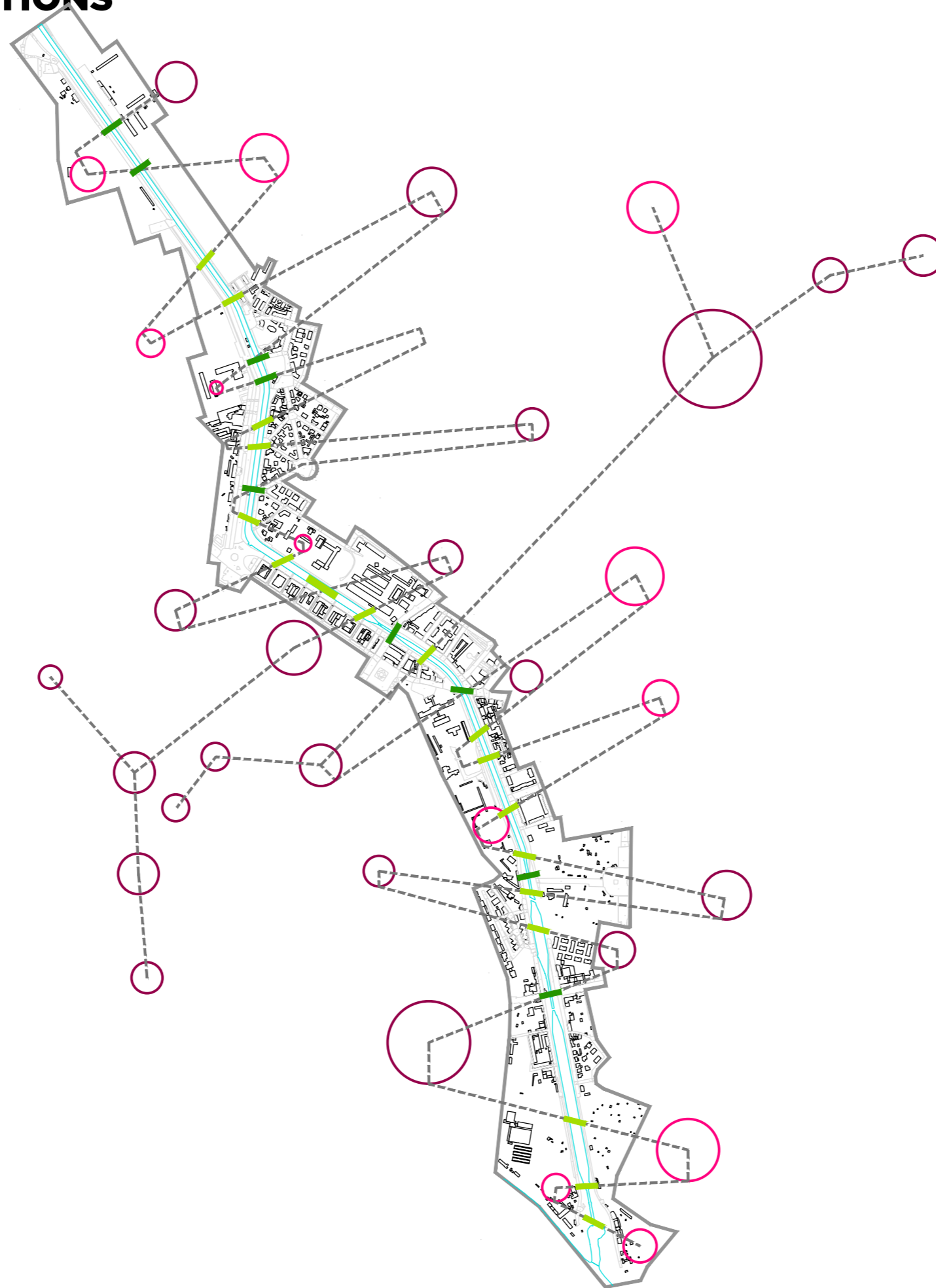


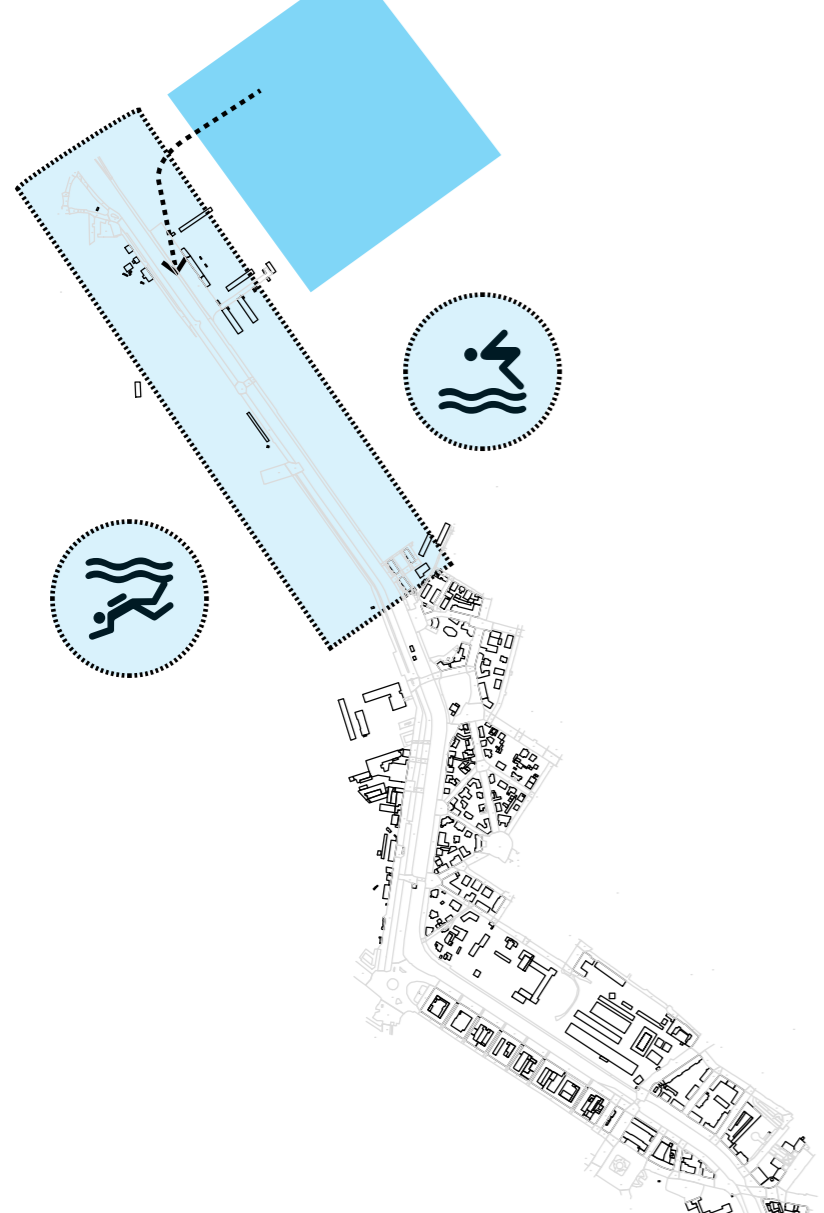
**CURRENT
BRIDGE CONNECTIONS
OVER THE CANAL**



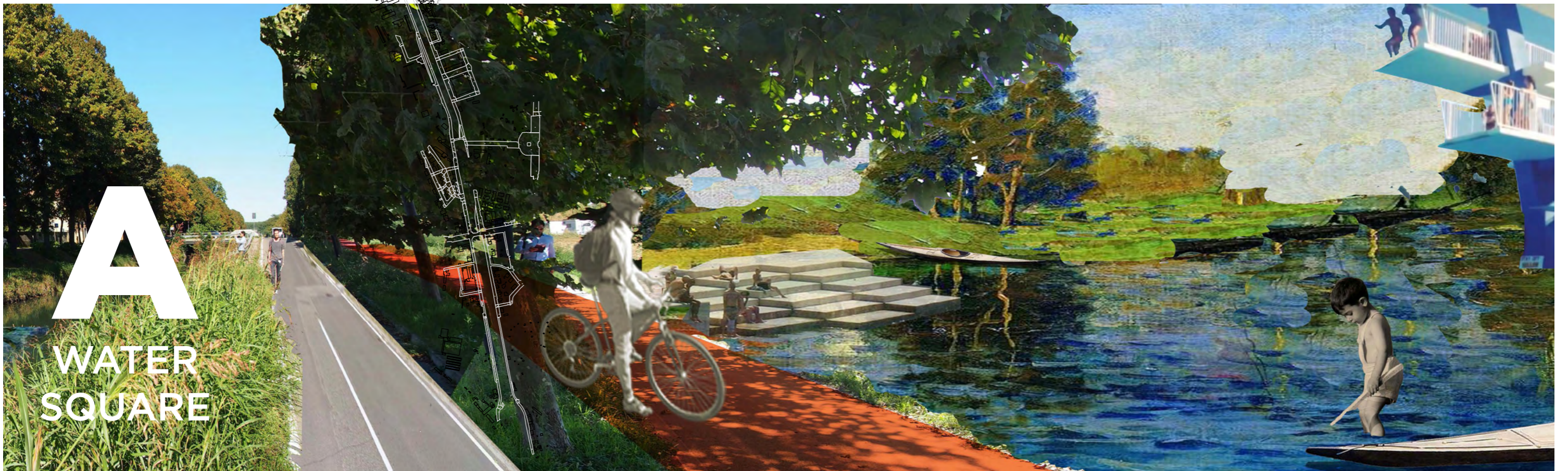
A				
B				
C				
D				
E				
G				
F				
H				
I				
J				

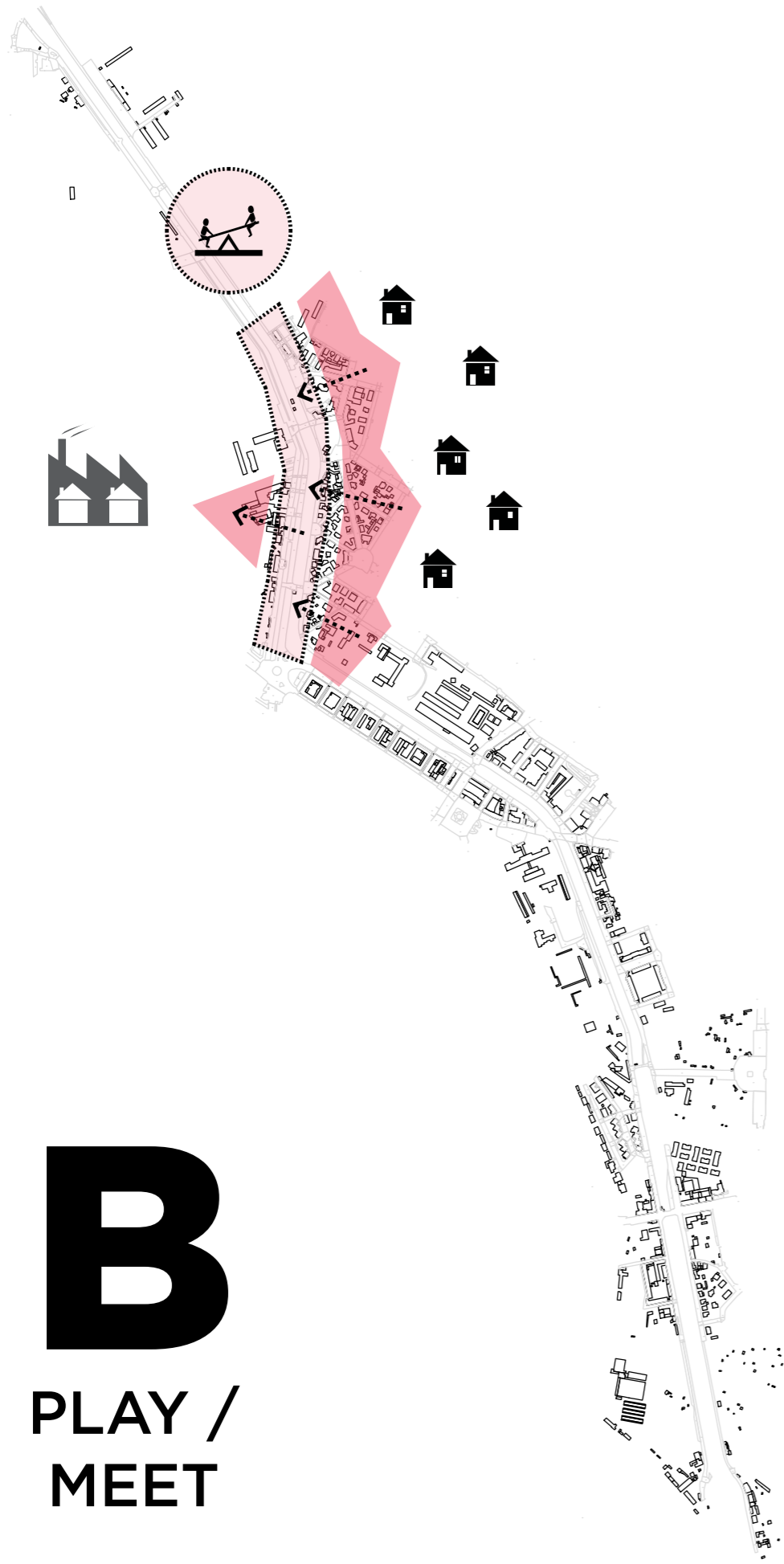
CURRENT AND NEW BRIDGE CONNECTIONS OVER THE CANAL





Swimming pool / Water activities / Freediving



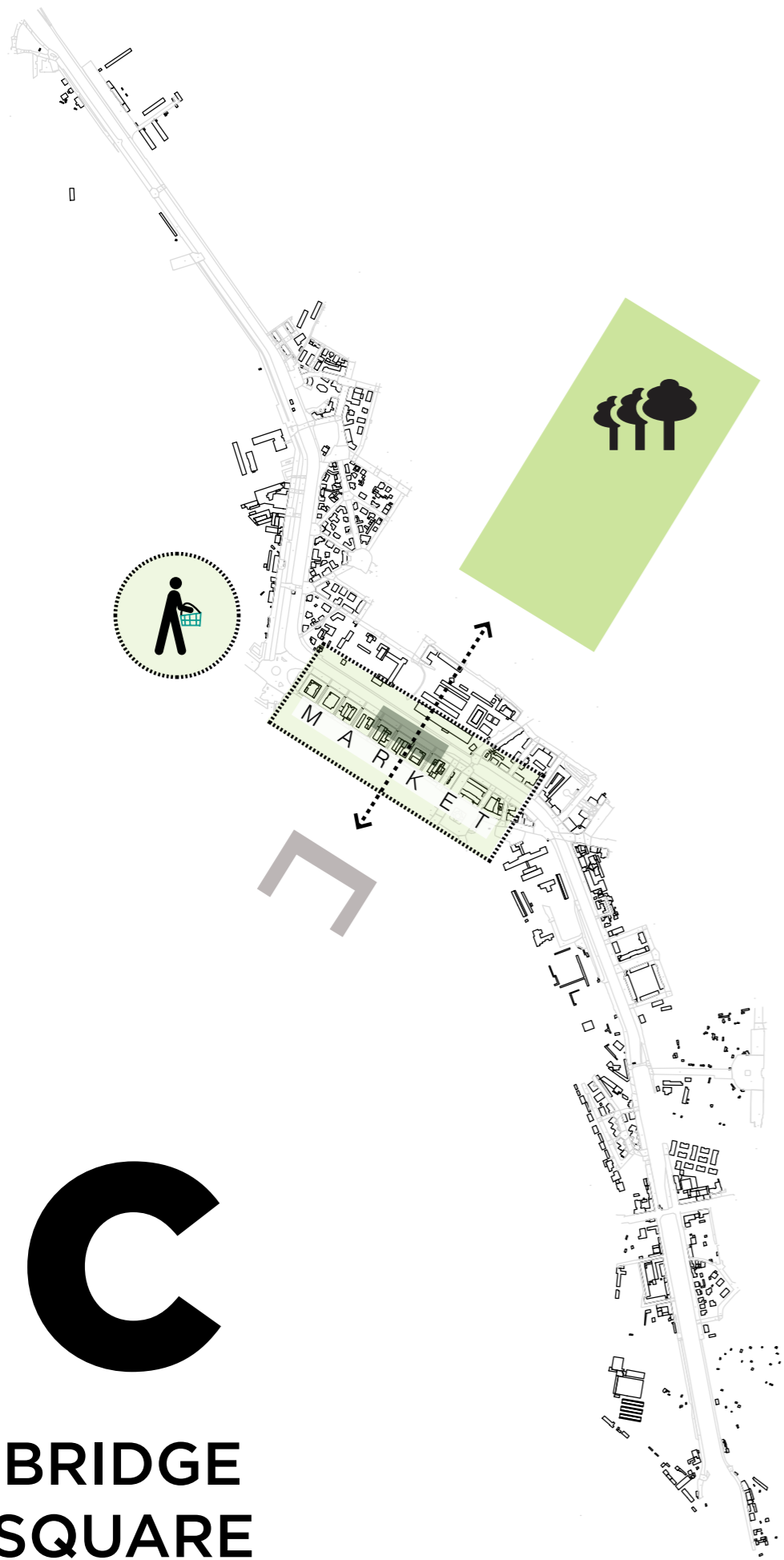


B

PLAY /
MEET

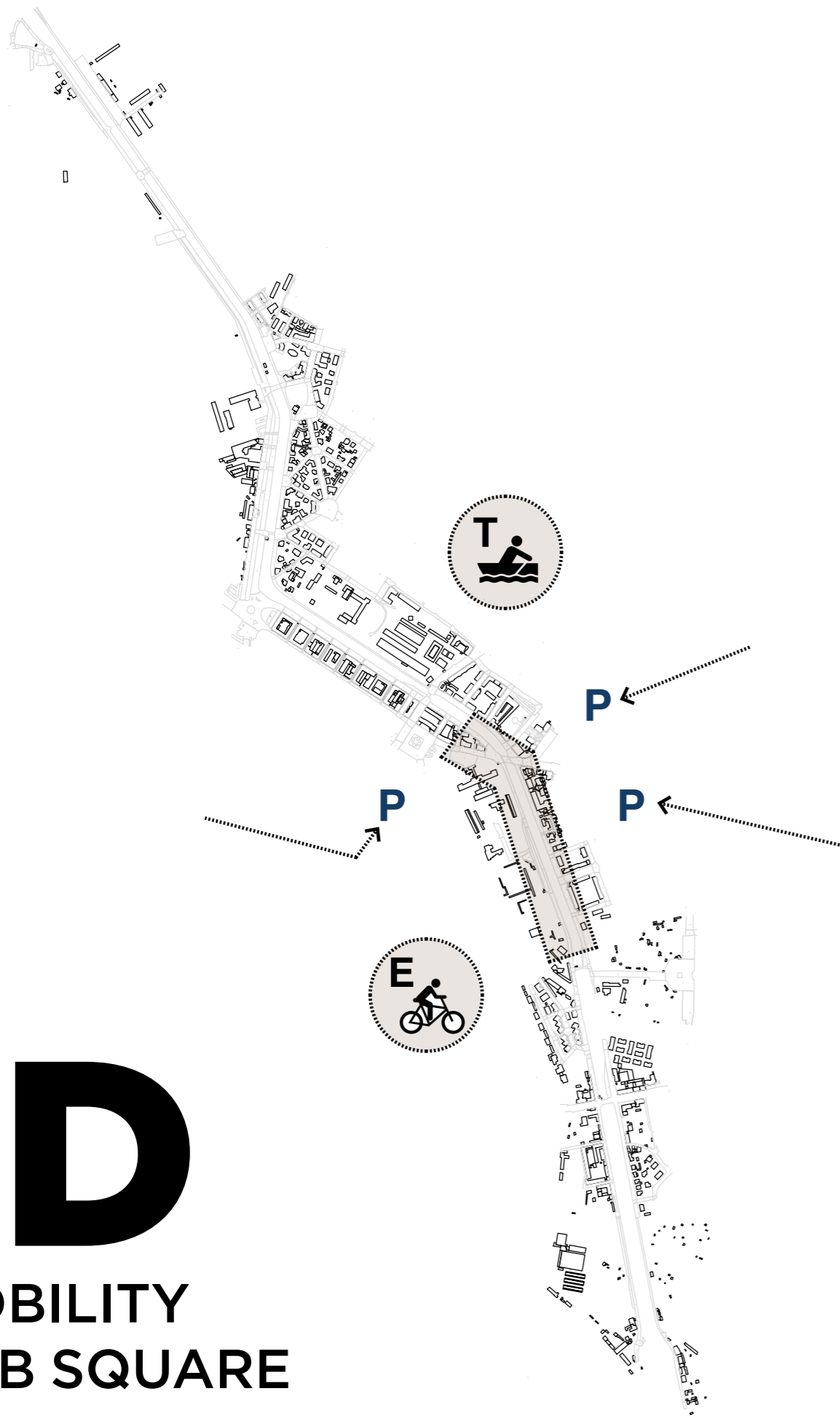


Playgrounds + Meeting Points / Seniors + Teenagers / Process leads to reactivating Old factory area



C

**BRIDGE
SQUARE**

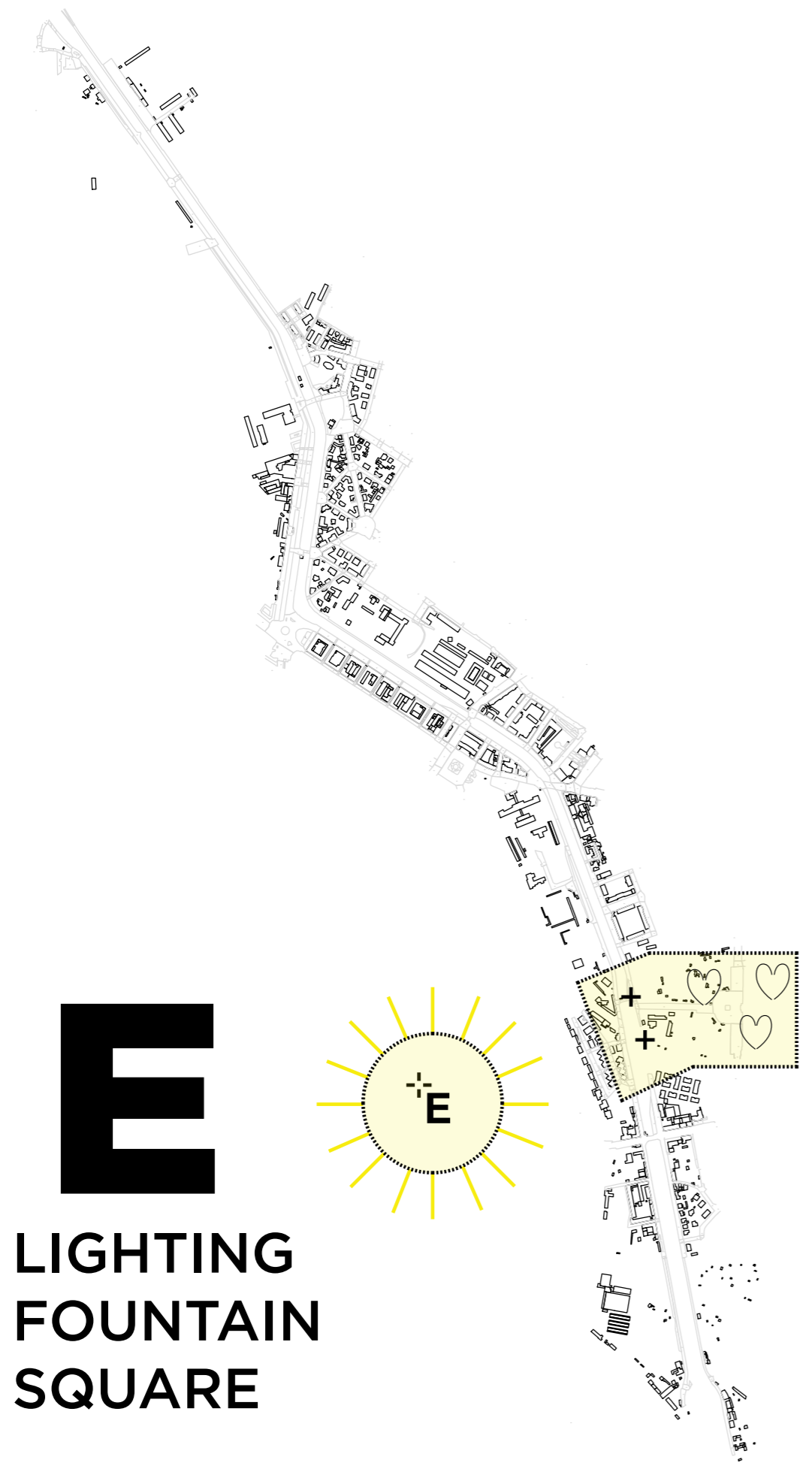


D

**MOBILITY
HUB SQUARE**

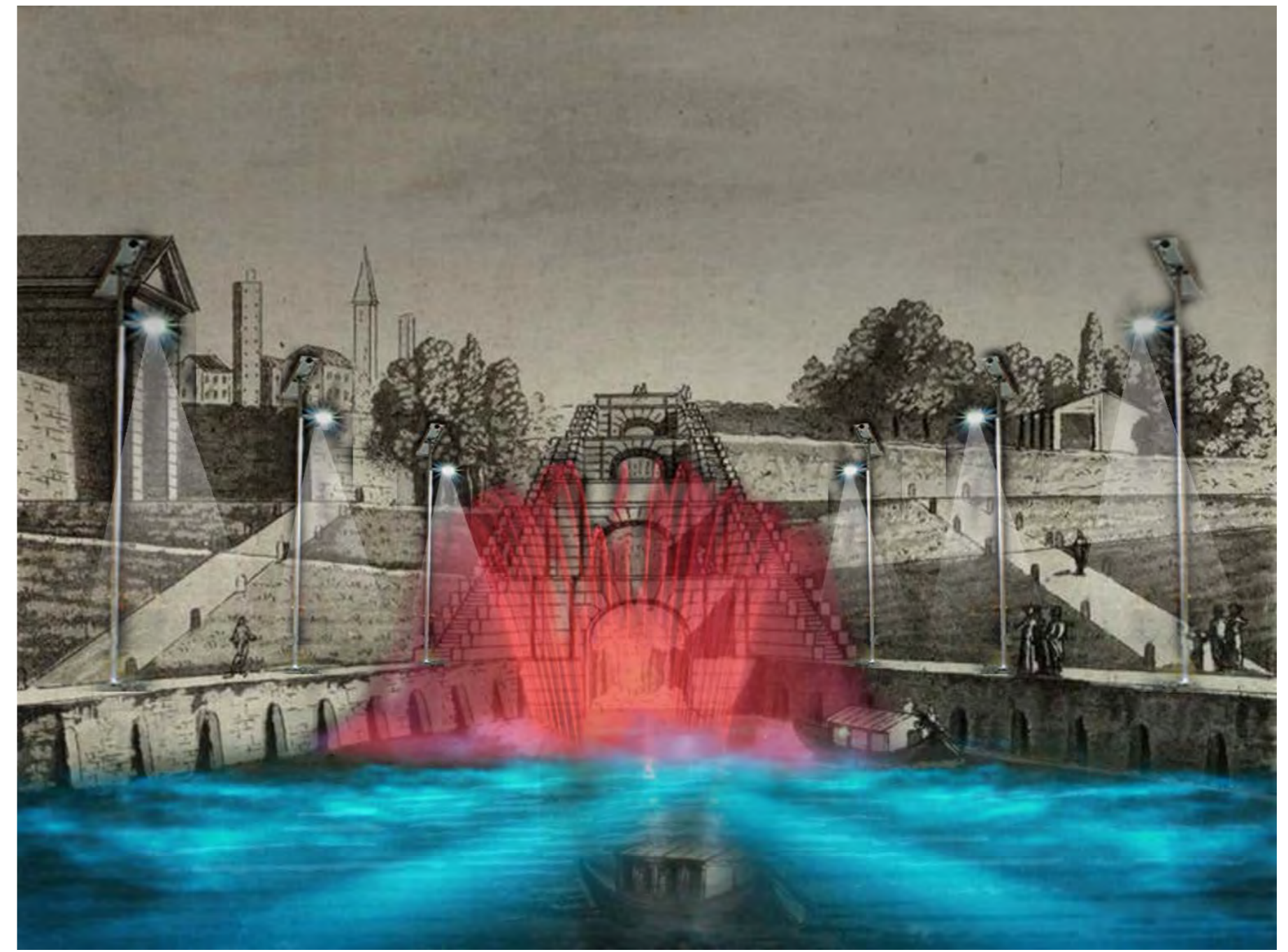


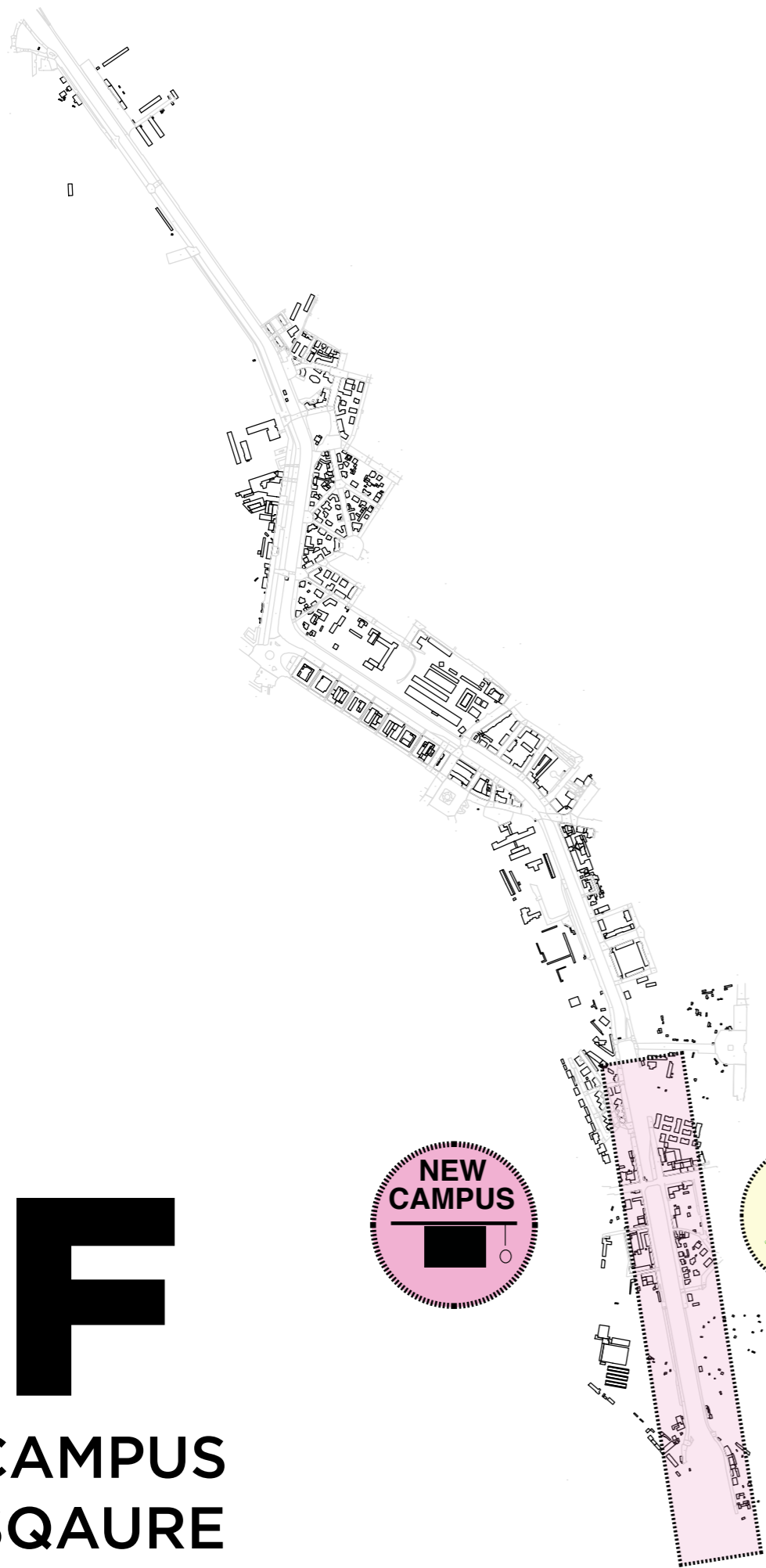
Transportation Hub / Taxi Boats / Electric bicycle Stations



**LIGHTING
FOUNTAIN
SQUARE**

Hydraulic plants producing energy / Glowing pool / Lighting Fountain / Romantic evening spots





F
CAMPUS
SQAURE



University Campus / Greenhouses / Reserach of water cleaning system



