THE BUFFER ZONE
ON MARINETERREIN

FASCINATION

PROBLEM STATEMENT

OBJECTIVE & DESIGN QUESTION

RESEARCH

CONCEPT

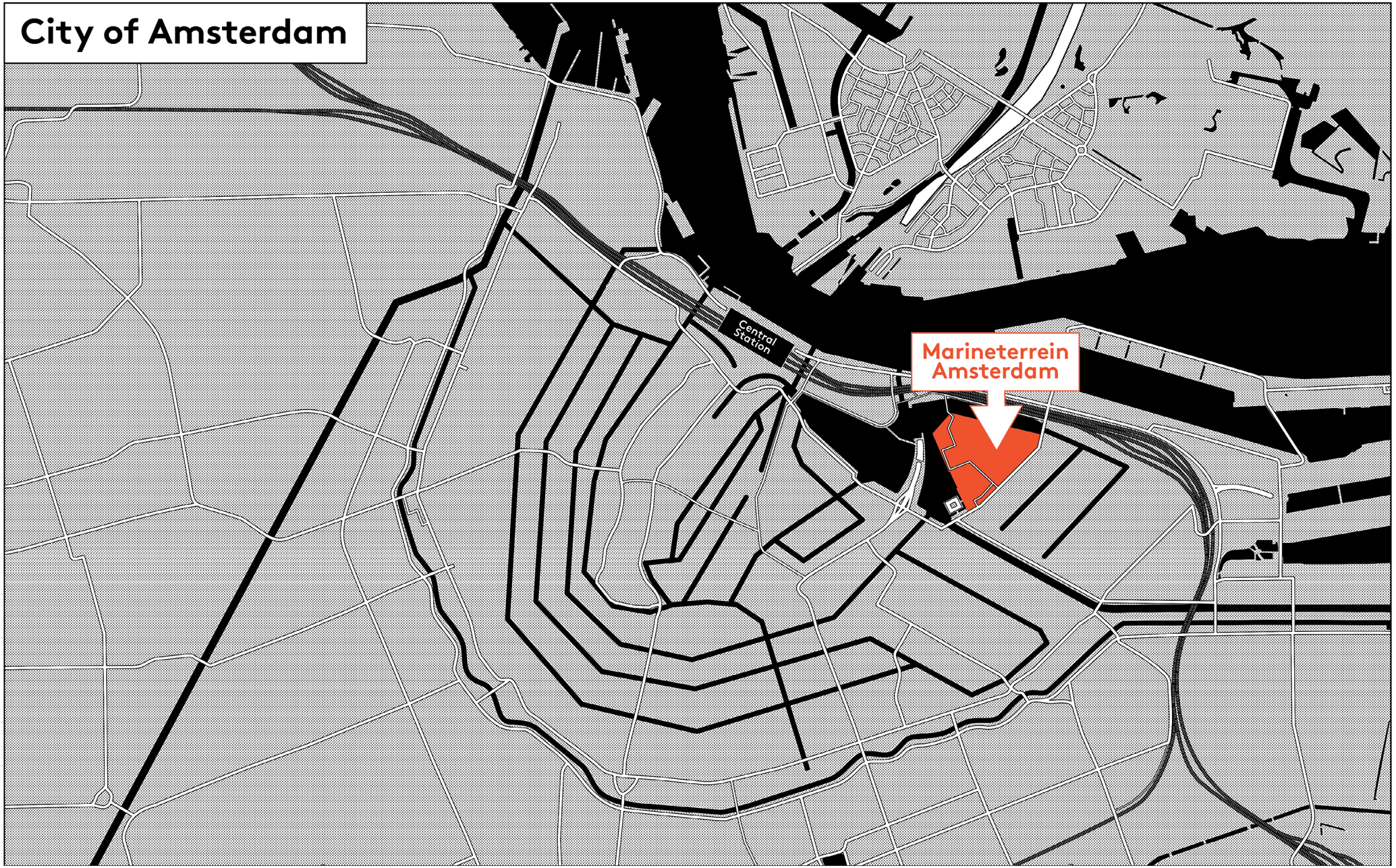
URBAN & BUILDING DESIGN

PRACTICALITIES

REMARKS



MARINETERREIN


City of Amsterdam
Central Station
Marineterrein Amsterdam


SATELLITE SHOT
29 / 05 / 2004


SATELLITE SHOT
31 / 12 / 2004


SATELLITE SHOT
31 / 12 / 2005


SATELLITE SHOT
08 / 06 / 2006


SATELLITE SHOT
05 / 06 / 2007



ROYAL DUTCH MARINES BREAK THE ADMINISTRATIVE AGREEMENTS

COMPROMISED VISIONS FOR THE DEVELOPMENT OF MARINETERREIN

THREAT OF MASS TOURISM DISTRACTING TRANQUILITY OF MARINETERREIN







PROBLEM STATEMENT

PROBLEM STATEMENT # 01



ROYAL DUTCH MARINES
REMAIN ON MARINETERREIN

Vrij. Overwoord

Het Parool

HOME AMSTERDAM OPINIE

Defensie blijft op Marineterrein




MARINES ARE STILL OCCYPING ABOUT 50% OF THE SITE ...

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NEWS

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World | Africa | Asia | Australia | Europe | Latin America | Middle East | US & Canada

Amsterdam attack: Jihadist knifeman shot in nine seconds

5 September 2018 Share

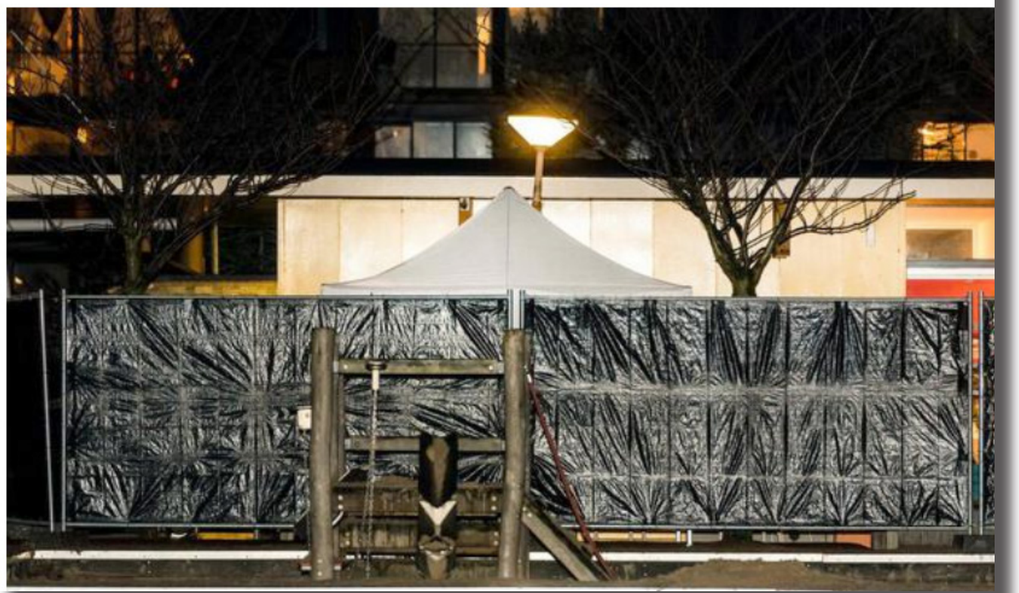


EPA

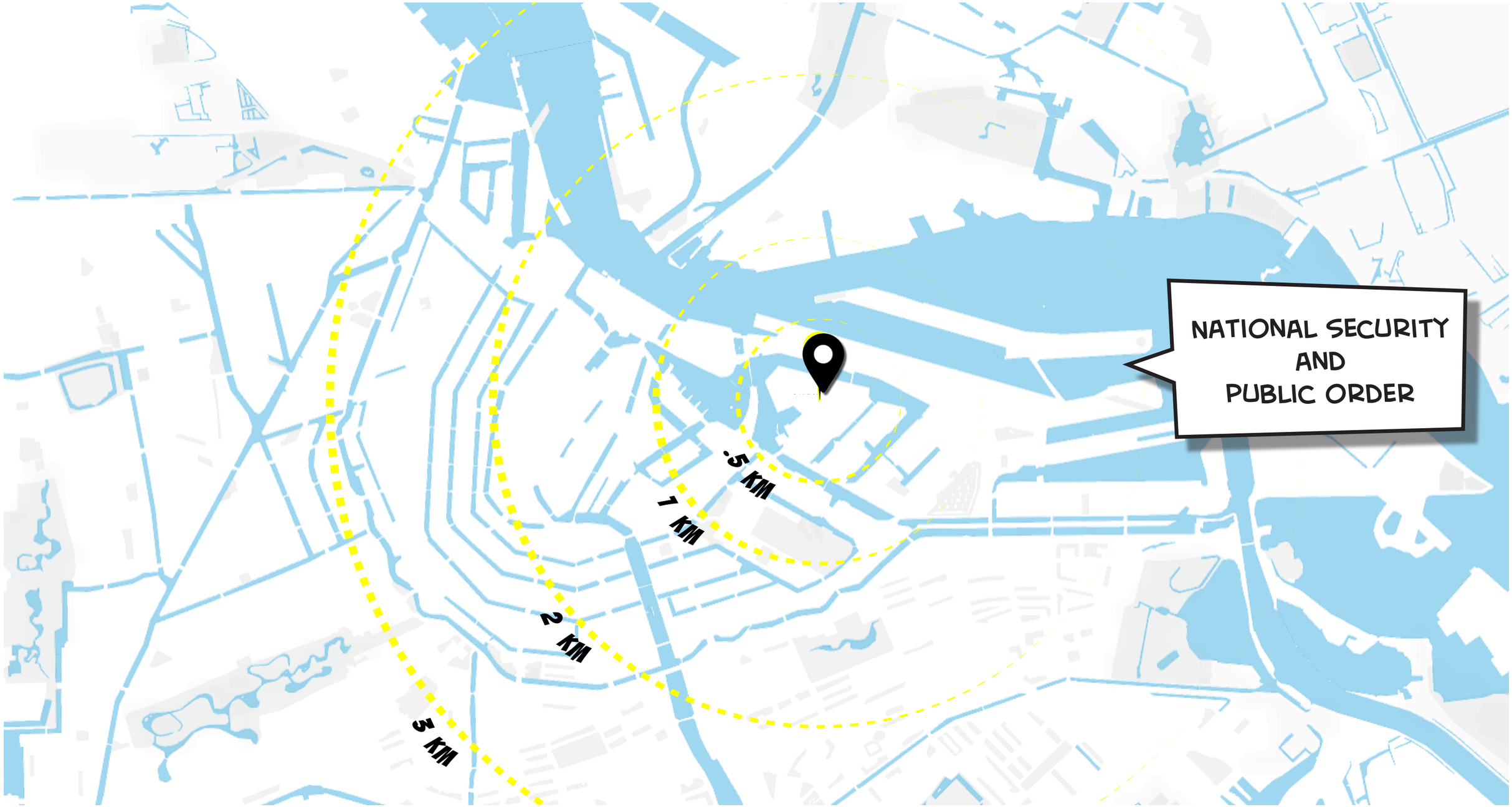
Within minutes of the attack police determined that the man had acted alone

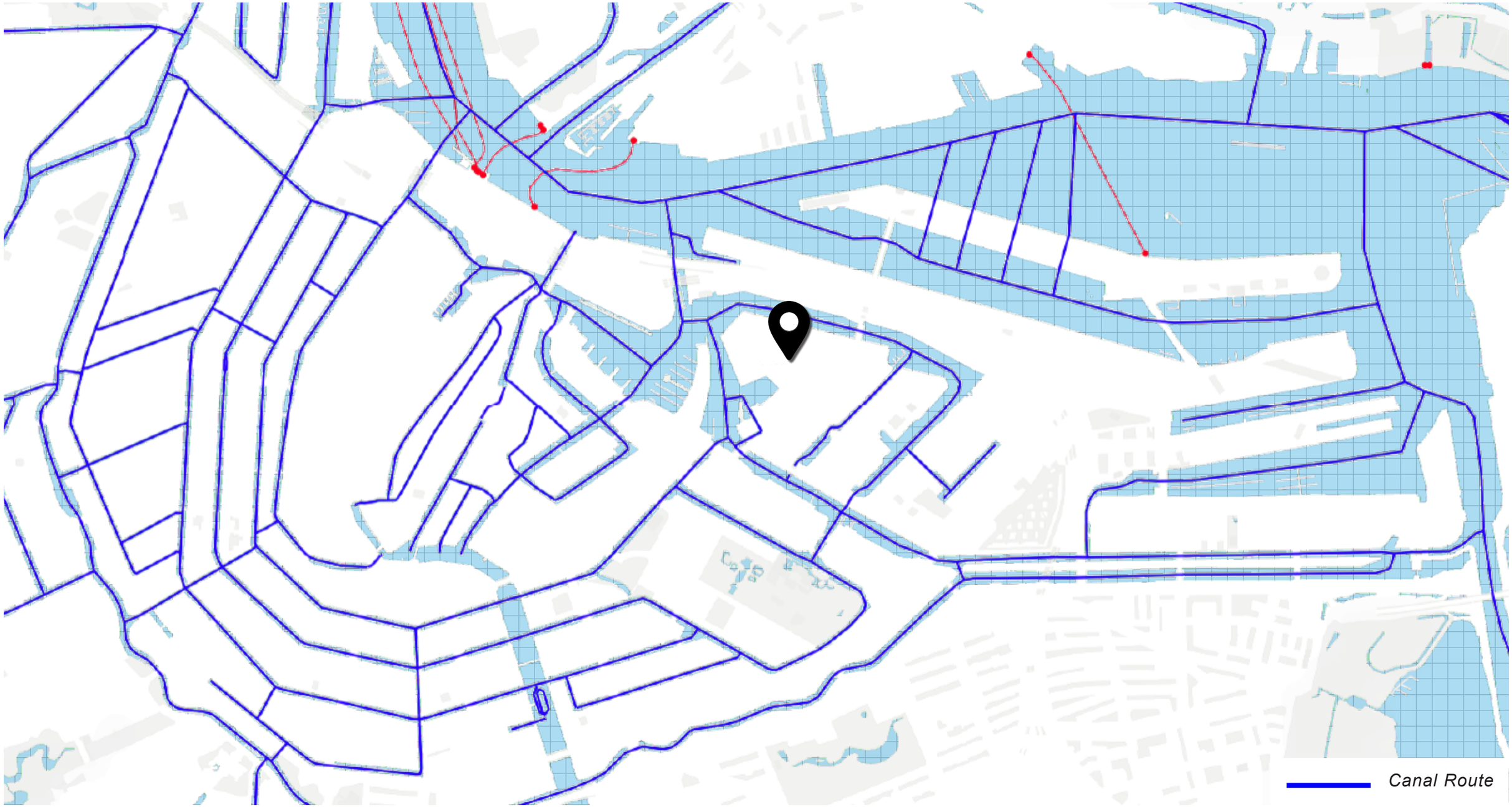
Het Parool HOME AMSTERDAM OPINION CITY GUIDE

Boy (17) shot in community center Wittenburg

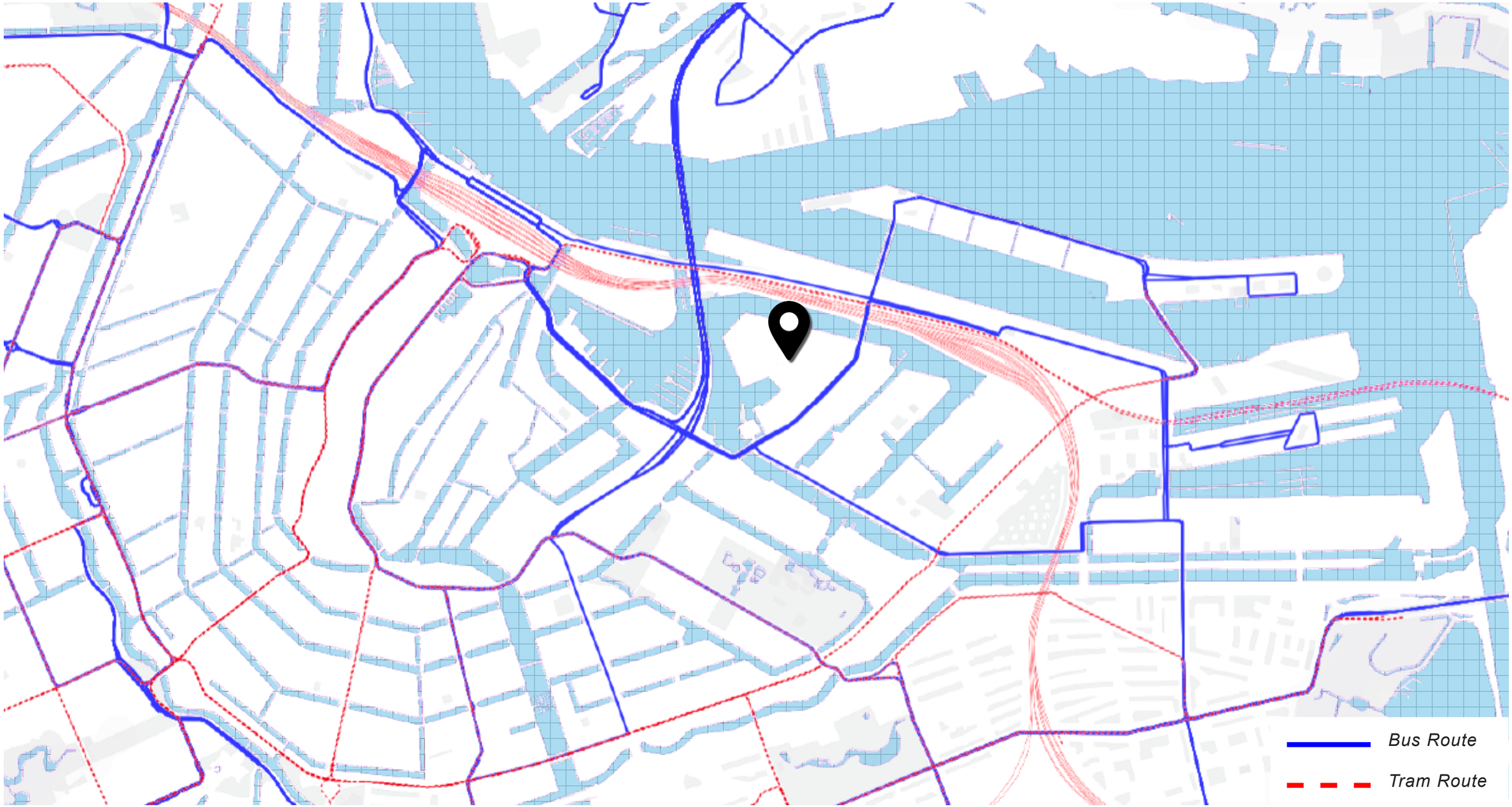


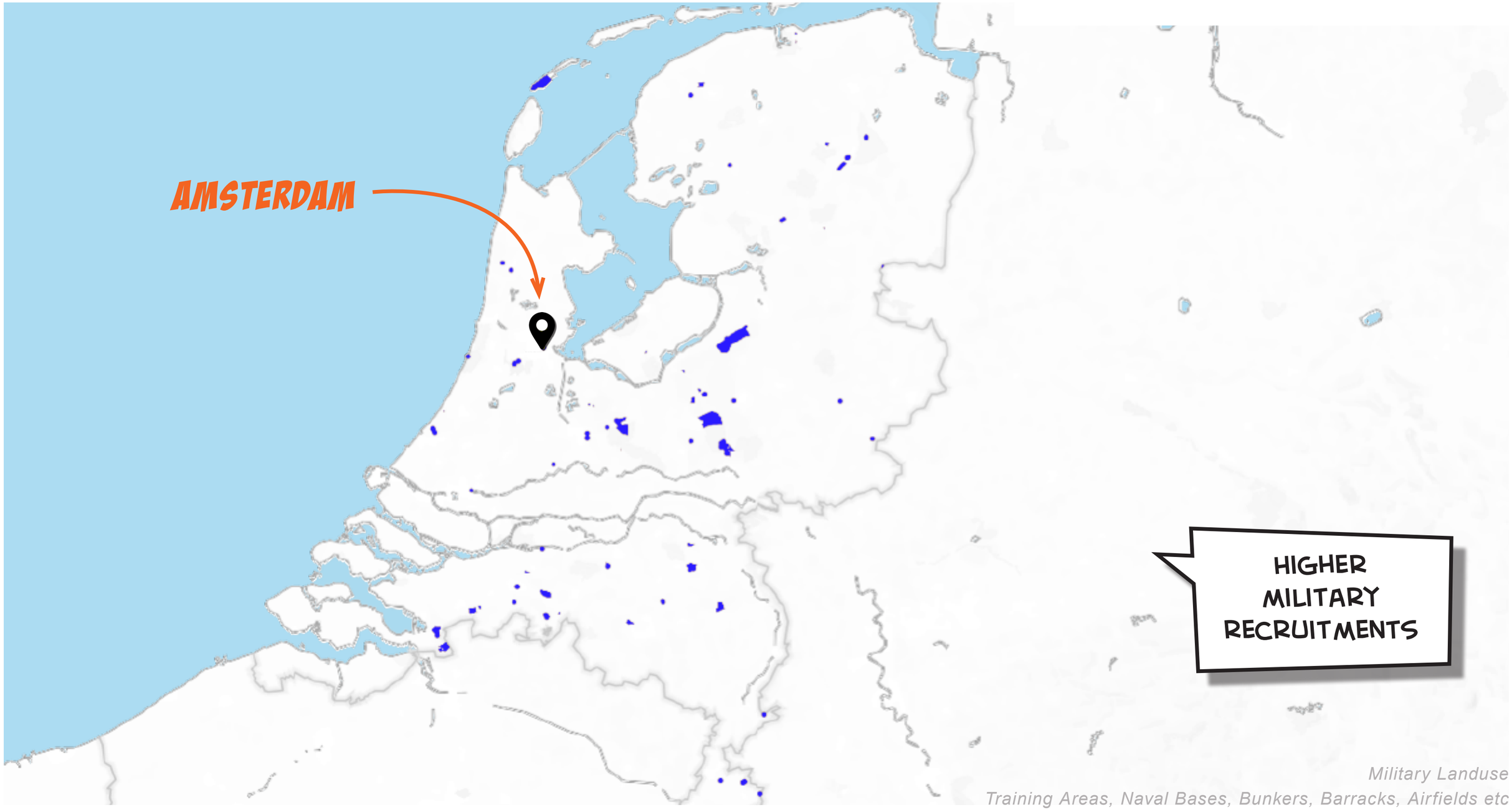
CHANGED SECURITY SITUATION


NATIONAL SECURITY
AND
PUBLIC ORDER
.5 KM
1 KM
2 KM
3 KM


Canal Route
Ferry Route


Primary
Secondary


Bus Route
Tram Route
Train Route


AMSTERDAM
HIGHER MILITARY RECRUITMENTS
Military Landuse
Training Areas, Naval Bases, Bunkers, Barracks, Airfields etc



COMPROMISED VISIONS AND AMBITIONS

Gerard Menkhorst, project manager at the Central Government Real Estate Agency:

‘It will become a dynamic area’

The plans for the Marineterrein offer plenty of room for interpretation. Gerard Menkhorst from the Central Government Real Estate Agency expects the Marineterrein to be one of the most popular locations for innovative companies in the Netherlands in twenty-five years’ time.

Text Saskia Naafs
Illustrations Daniël Maarleveld

‘I remember thinking how fantastic this area was when I passed it on the train to Amsterdam,’ says Gerard Menkhorst, project manager at the Central Government Real Estate Agency. ‘The area has been part of the city for 360 years, but very few people outside Amsterdam even know of it.’ We are on the first floor of the former commander’s quarters. On the table before us lies a largely blank map of the Marineterrein, hinting at the endless possibilities this area holds. ‘It’s such a wonderful, central location, with an amazing view of the city centre, Het Scheepsvaartmuseum, the Zuiderkerk church, and NEMO,’ says Menkhorst. ‘What’s more, it offers a quiet place from which to admire the city. That makes it truly unique.’
The Central Government Real Estate Agency is gradually taking over the area from the Ministry of Defence, with the ultimate aim of selling it. The final transfer is scheduled for July 2018. The Dutch government is collaborating with the Municipality of Amsterdam to find new property owners and tenants for the area and, more importantly, to determine its new function. ‘The Central Government Real Estate Agency will remain closely involved in the development process,’ explains Menkhorst. ‘We won’t sell to just anyone.’

Calling card

According to Menkhorst, this is a complex challenge for the Central Government Real Estate Agency. ‘The scope, location, and historic significance of the area make this project rather challenging. There aren’t many central locations in Amsterdam that you can pretty much develop from the ground up. This area is unique in terms of its size and its highly coveted location.’

‘Innovation thrives on interaction’

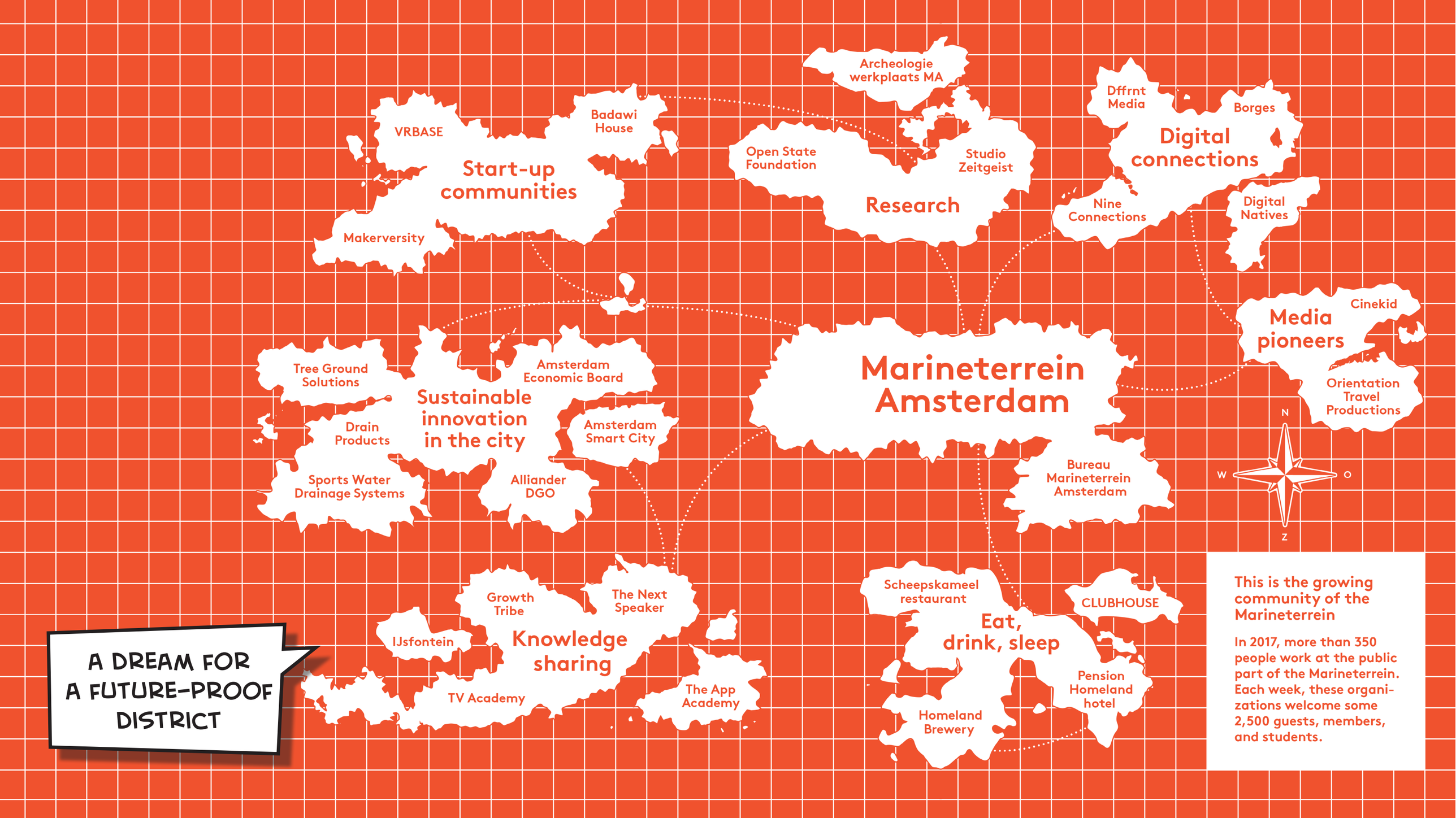
Ideally, the Marineterrein will become a valuable addition to Amsterdam and the Netherlands. Instead of becoming a picturesque tourist attraction or quiet residential area, it will be an innovative area with international allure; a calling card for the city and the country. ‘We have lofty ambitions and hope to attract leading international companies; companies that choose to settle in the Netherlands because it offers such an important place in the heart of the capital.’ This, however, does not mean the area will be filled with offices. ‘Naturally, we will also build homes to create a lively area that serves multiple purposes.’

Room for interaction

How does Menkhorst define an innovative company? ‘A good example is Makerversity, which is already located at Marineterrein. They develop innovative manufacturing technologies. In addition to companies that develop innovations on the computer or in the conference room, we’re looking for businesses that can make and test their innovations on site.’

Menkhorst hopes to see interaction and collaboration between these companies. ‘Innovation thrives on interaction, as research has shown.’ For this reason, he envisions an area with public spaces and spots where the people who live and work there can meet and interact. This could be the park on Kattenburgerstraat, along the harbour, during weekly jogs, or in the restaurants and cafés. ‘I really hope people will get


LOADING ...


Archeologie werkplaats MA
Dffrnt Media
Borges
Digital connections
Badawi House
VRBASE
Start-up communities
Open State Foundation
Studio Zeitgeist
Research
Nine Connections
Digital Natives
Makerversity
Cinekid
Media pioneers
Orientation Travel Productions
Tree Ground Solutions
Amsterdam Economic Board
Sustainable innovation in the city
Drain Products
Amsterdam Smart City
Marineterrein Amsterdam
Sports Water Drainage Systems
Alliander DGO
Bureau Marineterrein Amsterdam
N
W
O
Z
Growth Tribe
The Next Speaker
IJsfontein
Knowledge sharing
TV Academy
The App Academy
Scheepskameel restaurant
CLUBHOUSE
Eat, drink, sleep
Pension Homeland hotel
Homeland Brewery
A DREAM FOR A FUTURE-PROOF DISTRICT
This is the growing community of the Marineterrein
In 2017, more than 350 people work at the public part of the Marineterrein. Each week, these organizations welcome some 2,500 guests, members, and students.


EAT, DRINK,
HANG-OUT
LEARN &
RESEARCH
RELAX
& PLAY
INNOVATE
& WORK

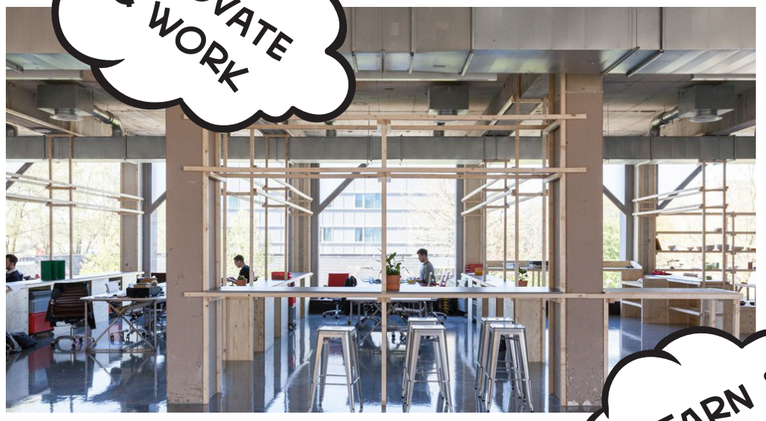


INNOVATE & WORK

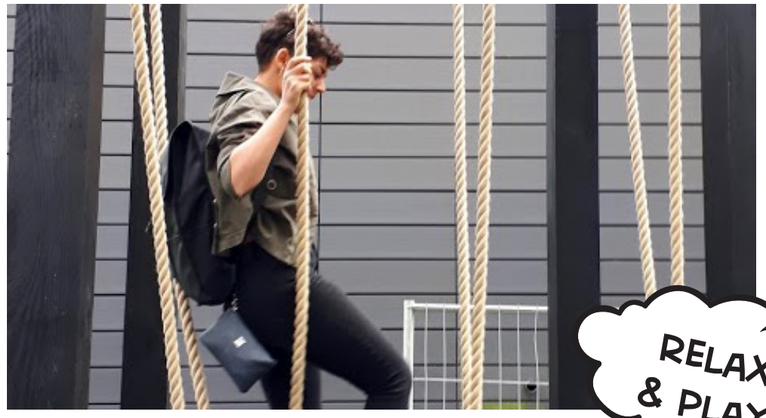


EAT, DRINK, HANG-OUT









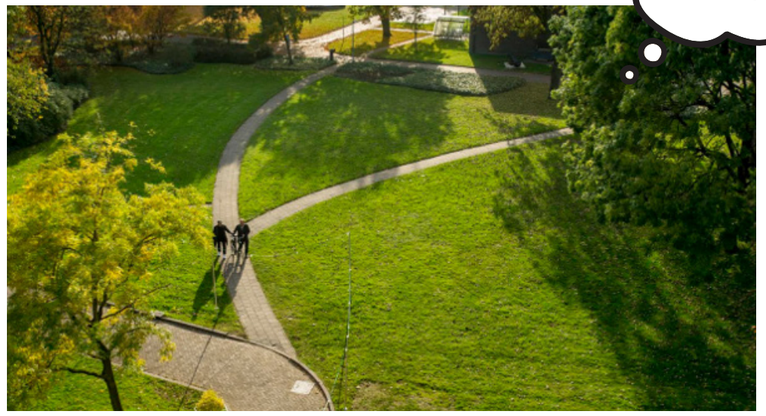
RELAX & PLAY

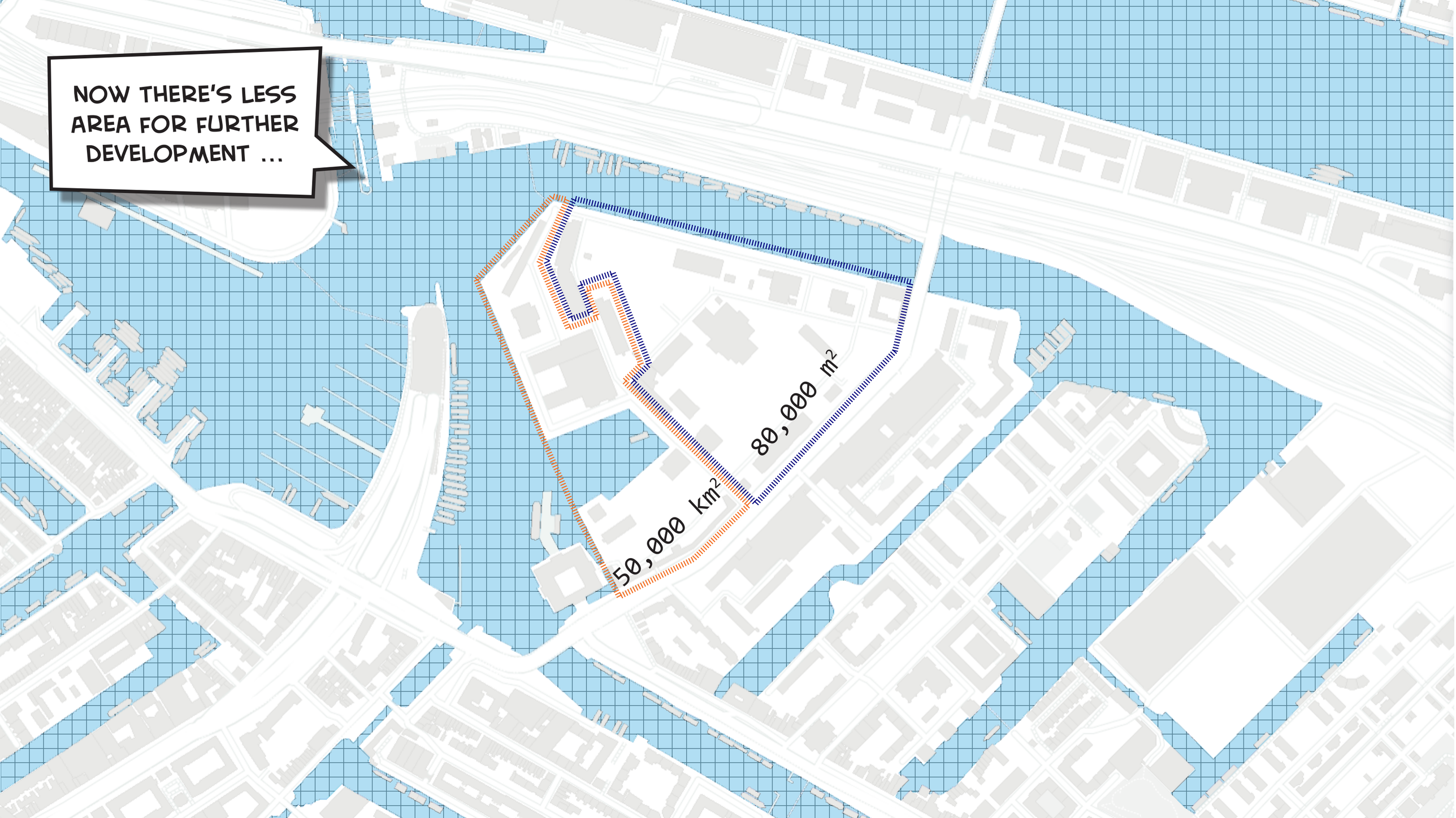
LEARN & RESEARCH

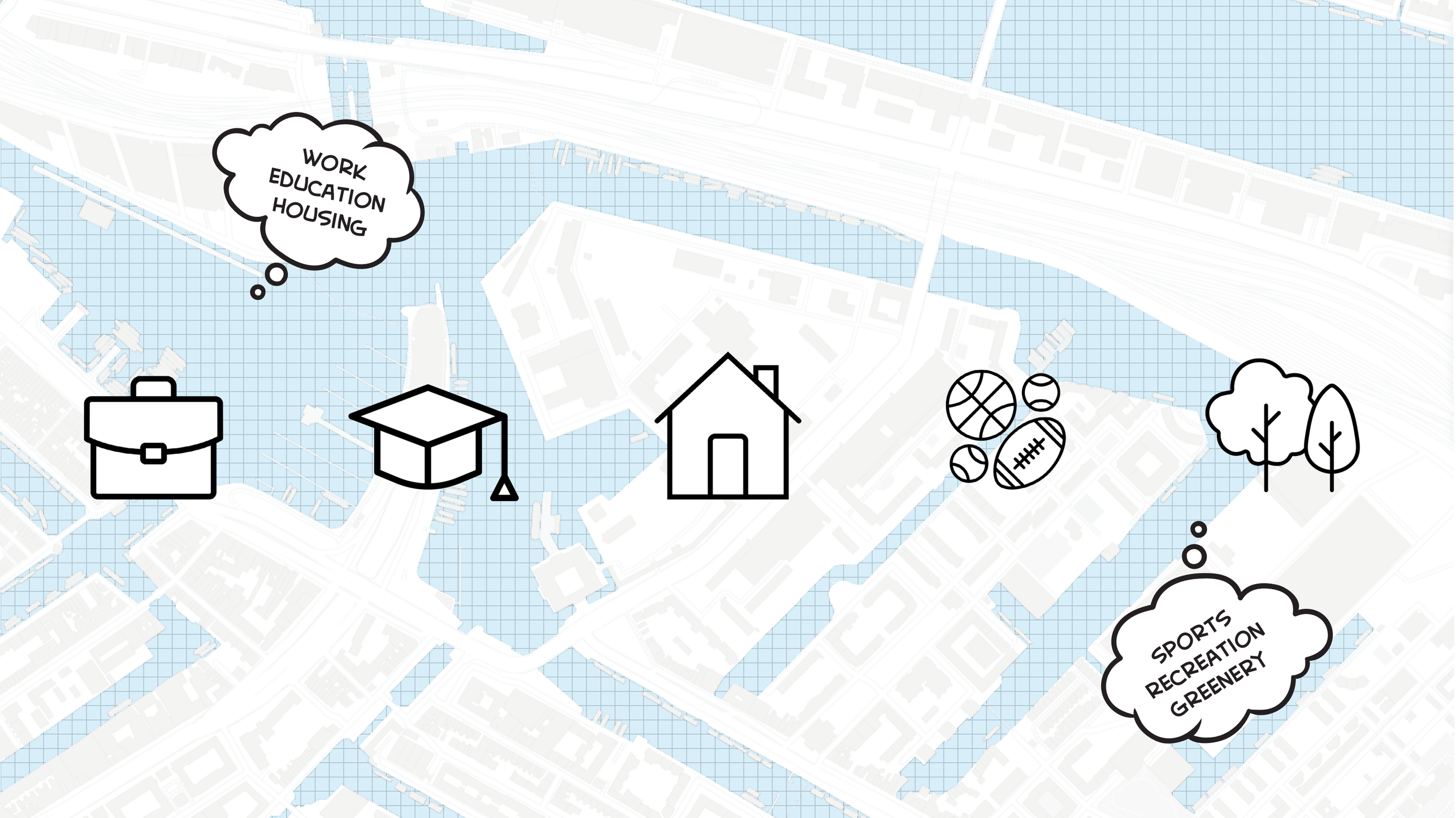
CODAM
Coding College Amsterdam

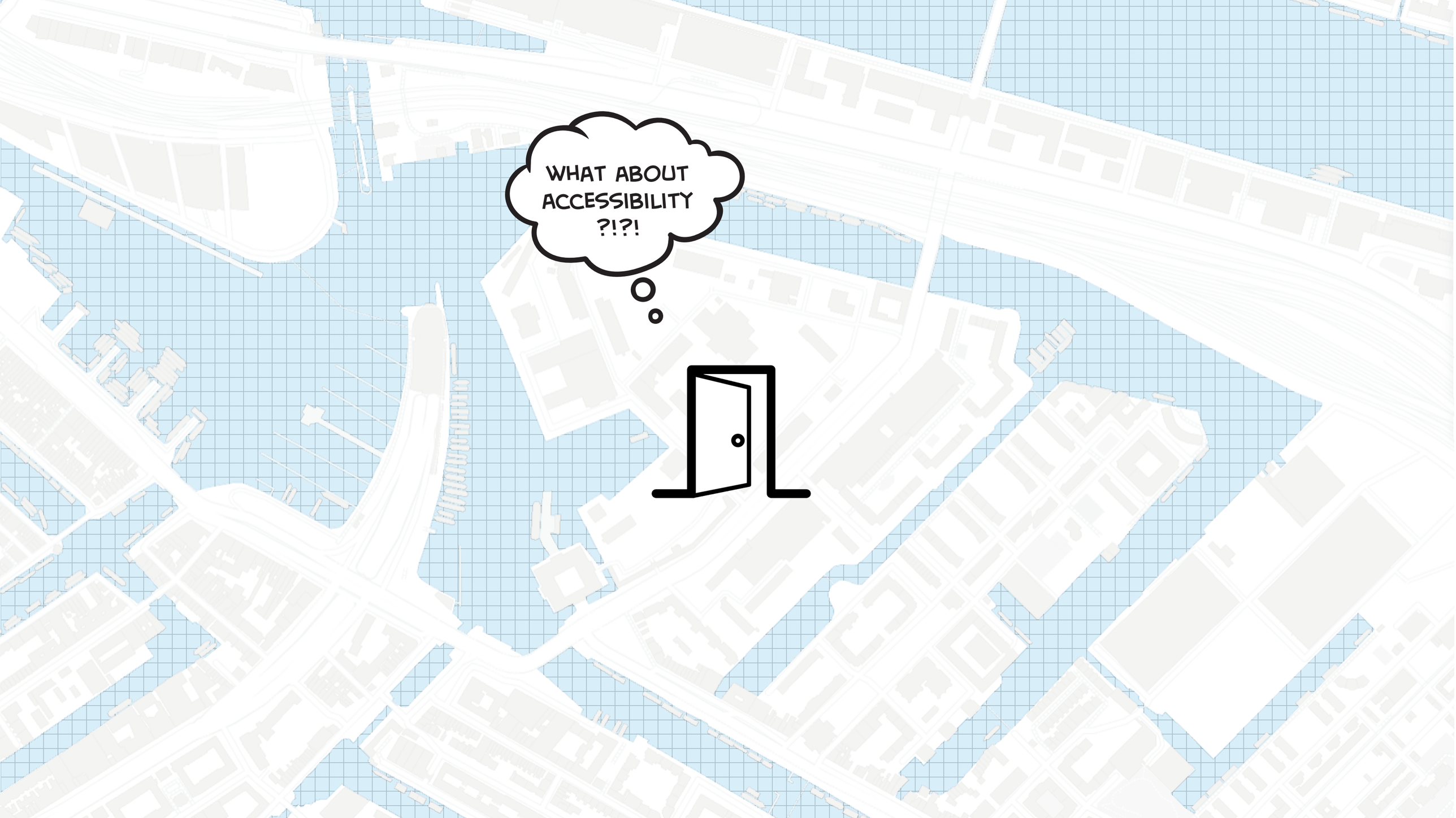
NO PREVIOUS TRAINING REQUIRED, ONLY THE WILL TO LEARN.

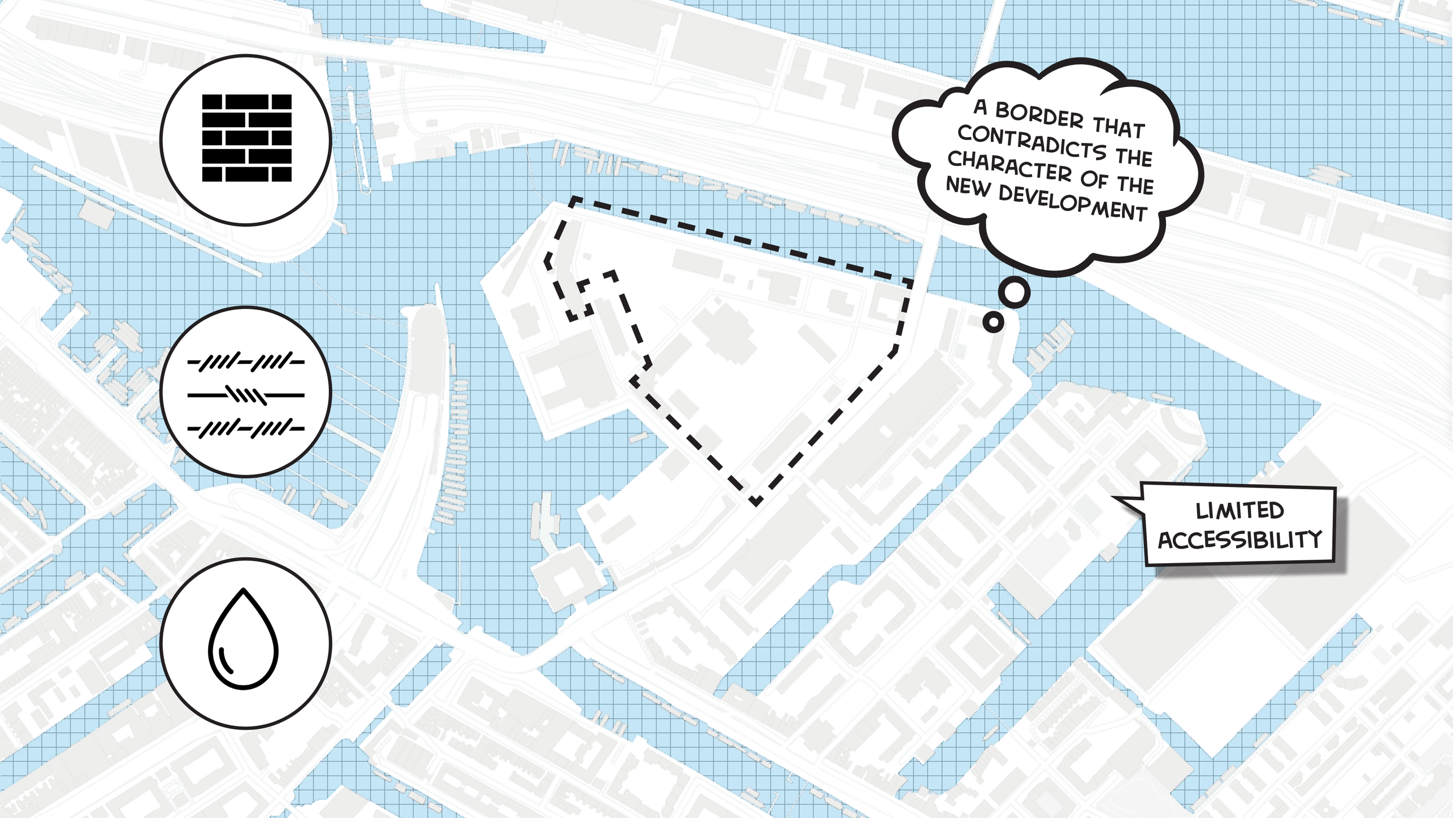


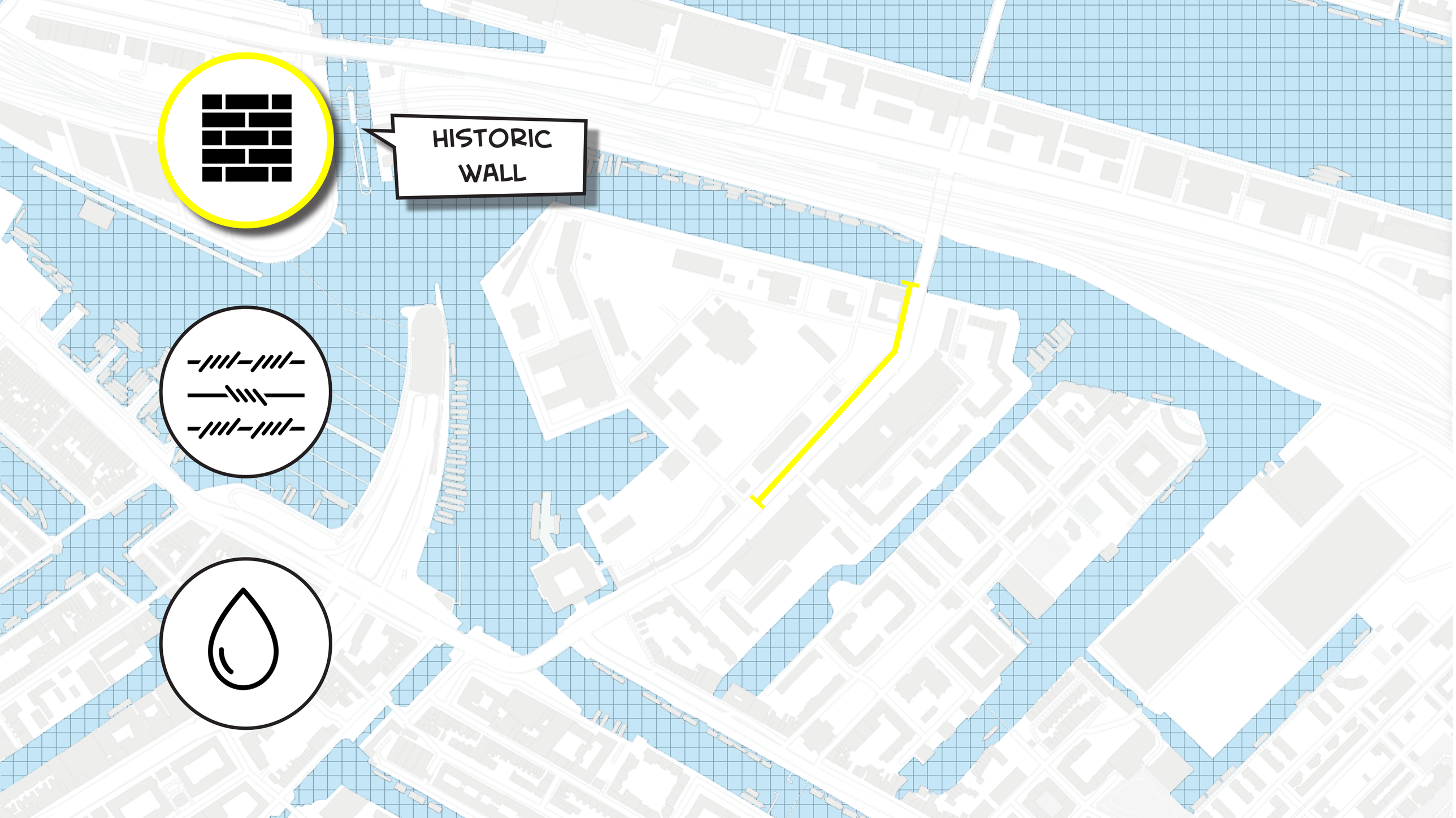



NOW THERE'S LESS AREA FOR FURTHER DEVELOPMENT ...
80,000 m²
50,000 km²

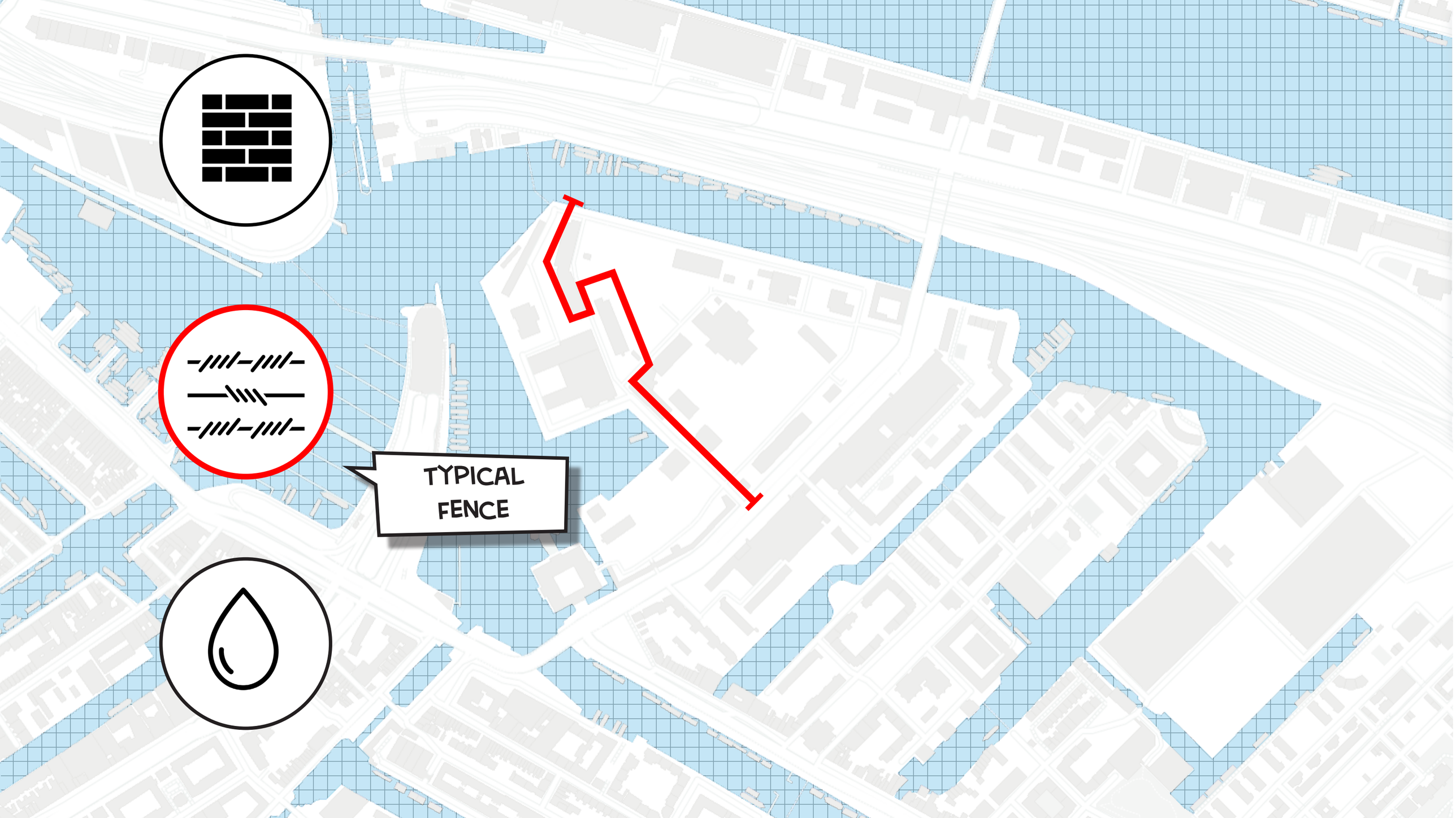

WORK
EDUCATION
HOUSING
SPORTS
RECREATION
GREENERY


WHAT ABOUT ACCESSIBILITY ?!?!

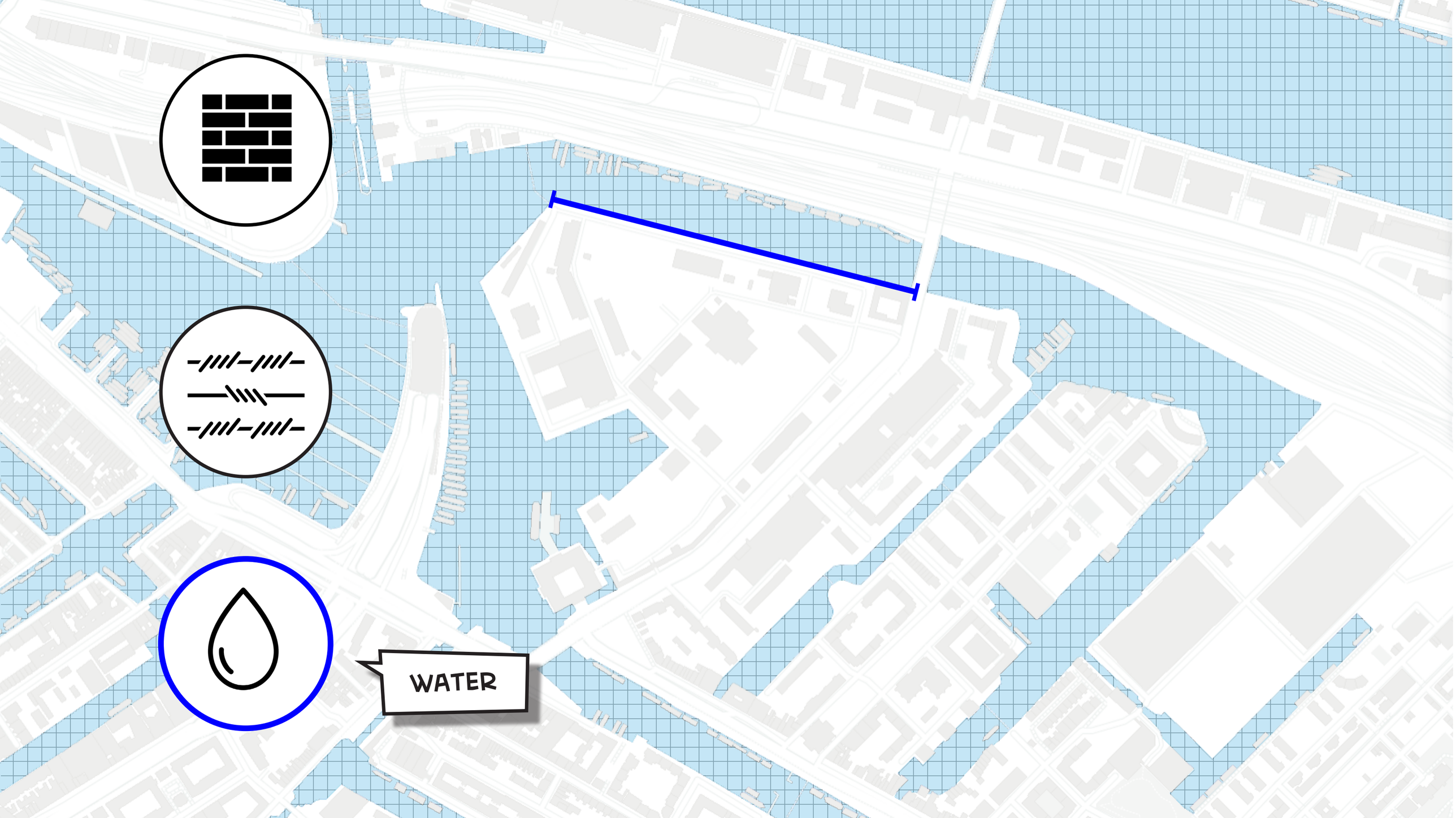

A BORDER THAT CONTRADICTS THE CHARACTER OF THE NEW DEVELOPMENT
LIMITED ACCESSIBILITY


HISTORIC
WALL


HISTORIC
WALL


TYPICAL
FENCE


TYPICAL
FENCE


WATER


WATER

PROBLEM STATEMENT # 03



MASS TOURISM IN AMSTERDAM

The Guardian

World ▸ Europe US Americas Asia Australia Middle East Africa Inequality Cities Global development

Netherlands

'We must act now': Netherlands tries to control tourism boom

Strategy may involve tourist tax and closing down attractions in crowded regions

Daniel Boffey

Mon 6 May 2019 15.39 BST

1,060



▲ The 'Iamsterdam' sculpture – a popular photo spot – was removed from the square in front of the Rijksmuseum in Amsterdam last year. Photograph: Merten Snijders/Getty Images/Lonely Planet Images


AMSTERDAM IS BECOMING A CITY LIKE VENICE
PRIMARK
C&A
BAZAR
jamin
Pasta

TOURIST GO HOME

PROTESTS BY LOCALS ALL AROUND EUROPE



WE NEED TO REGULATE MASS TOURISM

Gemeente Amsterdam

Tourist Tax Increase

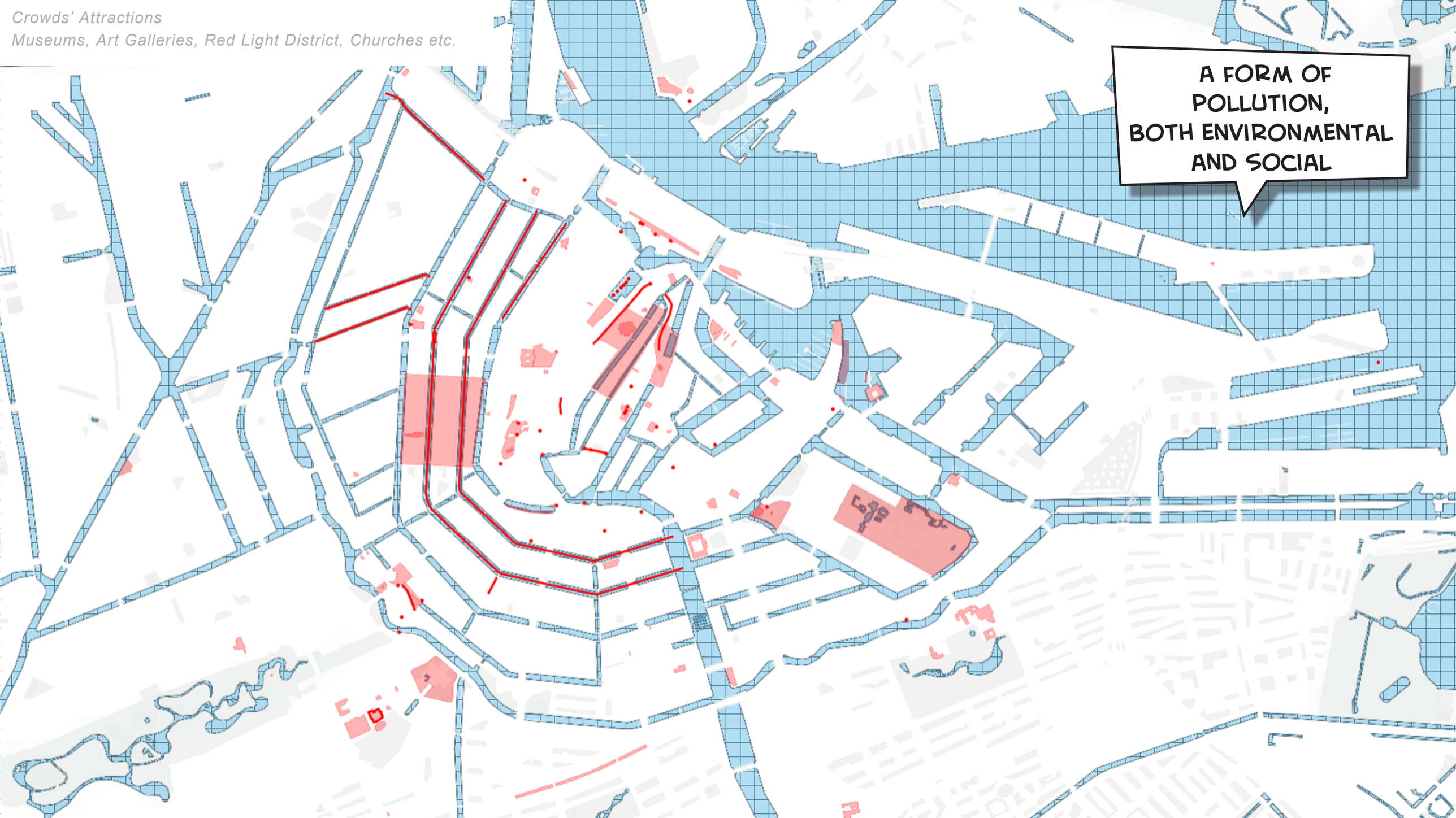
Airbnb 30-day rental limit

Tourist Guides Permits

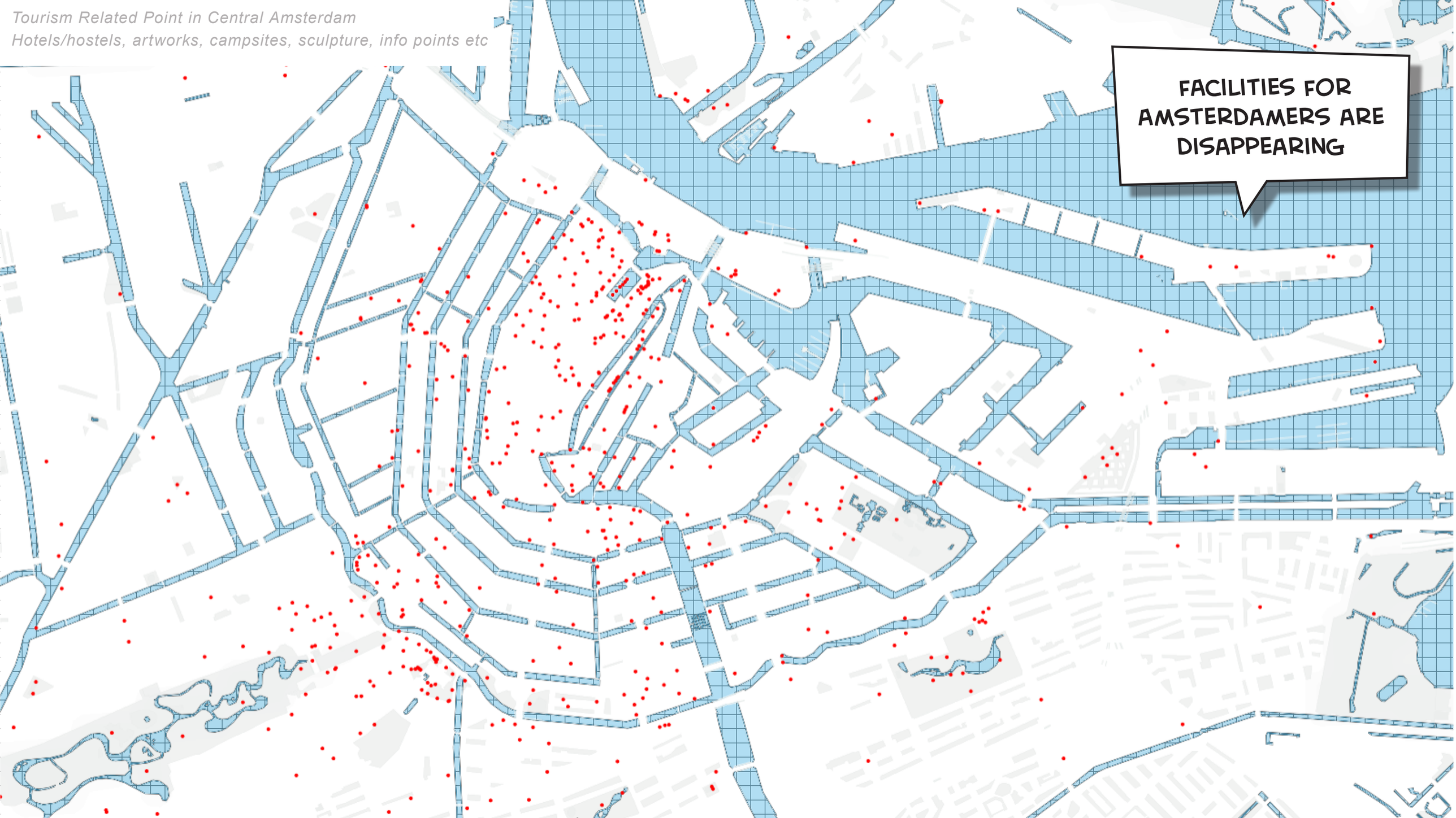
Ban on more tourists' shops in historic centre

New Legislations for 'fun' tranport

Ban on new large retail and restaurant chains


Crowds' Attractions
Museums, Art Galleries, Red Light District, Churches etc.
A FORM OF POLLUTION, BOTH ENVIRONMENTAL AND SOCIAL

Tourism Related Point in Central Amsterdam
Hotels/hostels, artworks, campsites, sculpture, info points etc



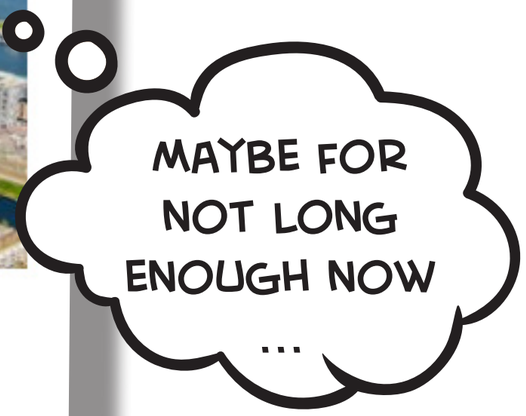

MARINETERREIN
IS STILL A FREE-
TOURISTS ZONE

News

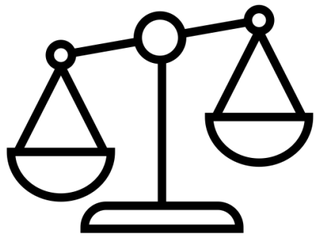


NEMO is expanding to the Marineterrein

JULY 13, 2018



PROJECT OBJECTIVE



CREATE AN IN-BETWEEN SPACE

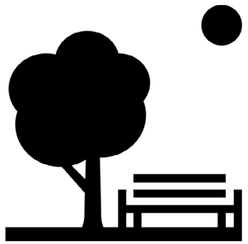
PROJECT OBJECTIVE





FOR LOCAL CIVILIANS AND MARINES

PROJECT OBJECTIVE





RETAIN MARINETERREIN'S TRANQUIL CHARACTER

DESIGN QUESTION



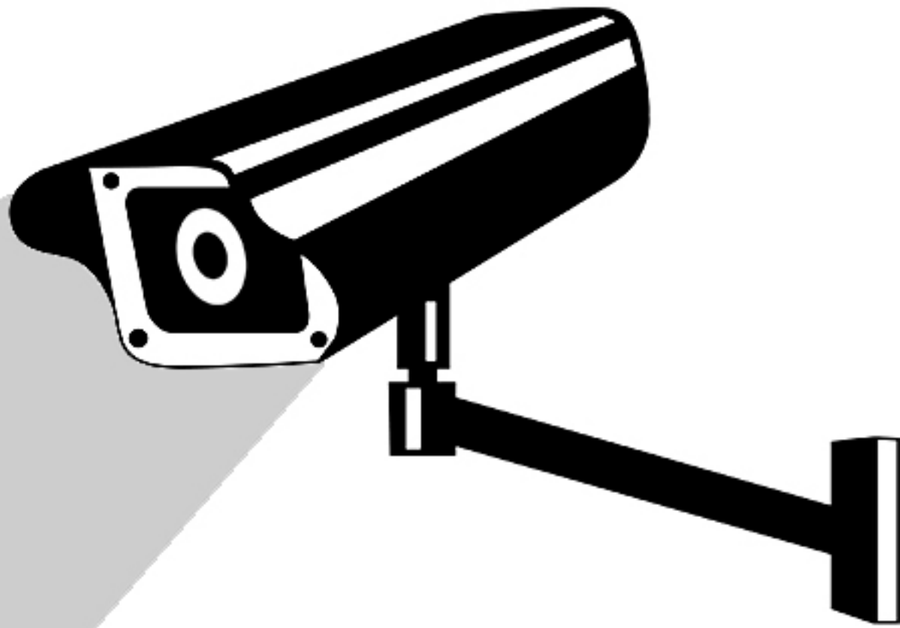
HOW CAN MARINETERREIN BECOME AN INCLUSIVE AND SAFE SPACE FOR BOTH THE LOCAL COMMUNITY AND THE NAVY BASE WITHOUT LOOKING LIKE A BORDER-ZONE WHILE RETAINING ITS TRANQUIL CHARACTER?

DESIGN QUESTION



HOW CAN MARINETERREIN BECOME AN INCLUSIVE AND **SAFE SPACE** FOR BOTH THE LOCAL COMMUNITY AND THE NAVY BASE WITHOUT LOOKING LIKE A BORDER-ZONE WHILE RETAINING ITS TRANQUIL CHARACTER?

RESEARCH QUESTION



HOW TO SUSTAIN SAFE AND SECURE ENVIRONMENTS TO DECREASE THE NEED FOR INTENSIFYING SECURITY, INTELLIGENT SURVEILLANCE SYSTEMS AND DEFENSIVE MECHANISMS?

RESEARCH RELEVANCE

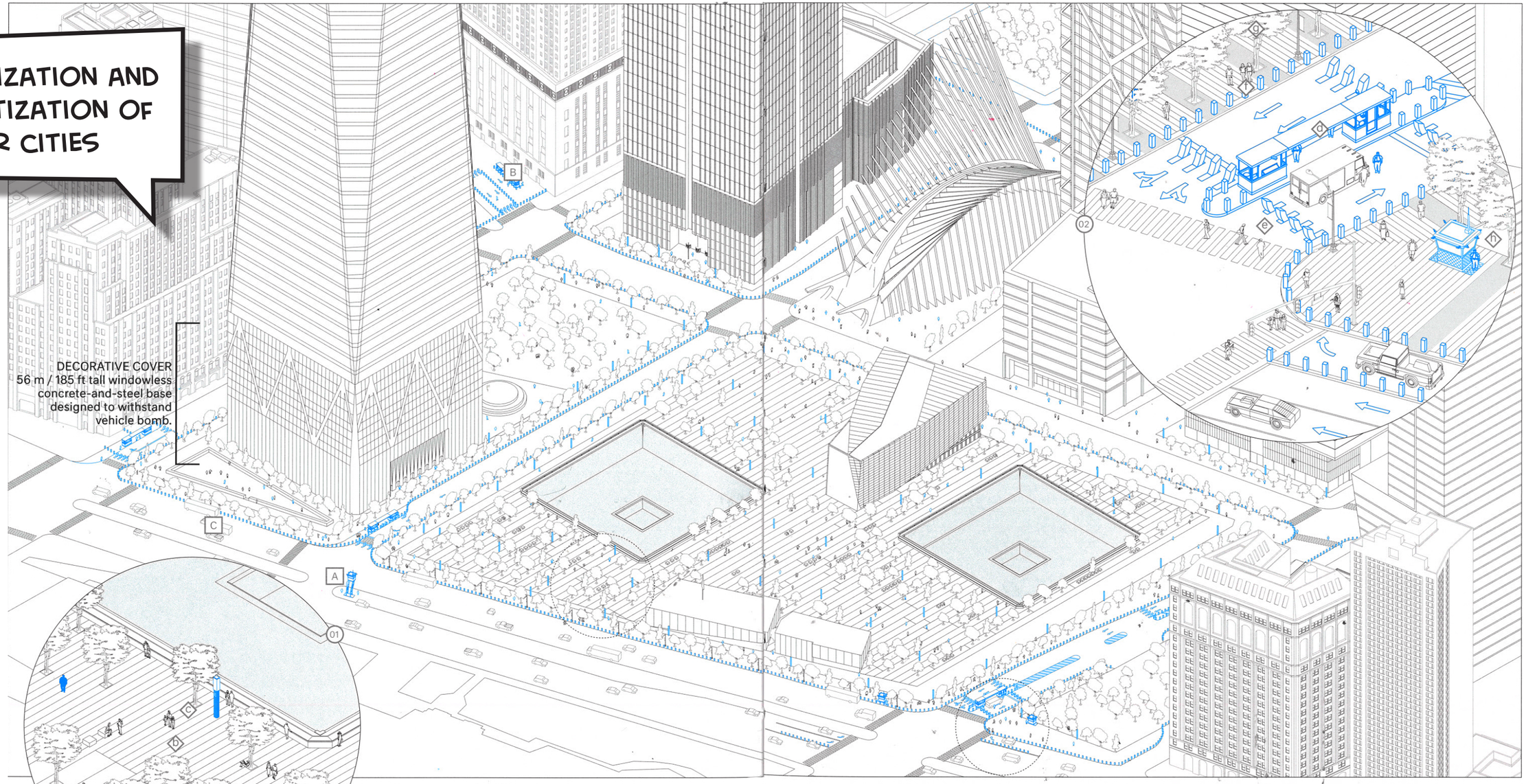


MARINETERREIN



GLOBAL

MILITARIZATION AND SECURITIZATION OF OUR CITIES



WORLD TRADE CENTER

- Security measures
- A — Vehicle checkpoints
- B — Delivery truck checkpoint
- C — 20 m standoff distance

- 01 — National September 11 memorial
- 02 — Liberty St. vehicle checkpoint
- a — 200 Port Authority policemen
- b — Intended participatory surveillance
- c — Designed lampposts with integrated CCTV
- d — Guarded vehicle checkpoints
- e — Retractable vehicle barriers
- f — Bollards
- g — Trees as bollards
- h — Portable police towers



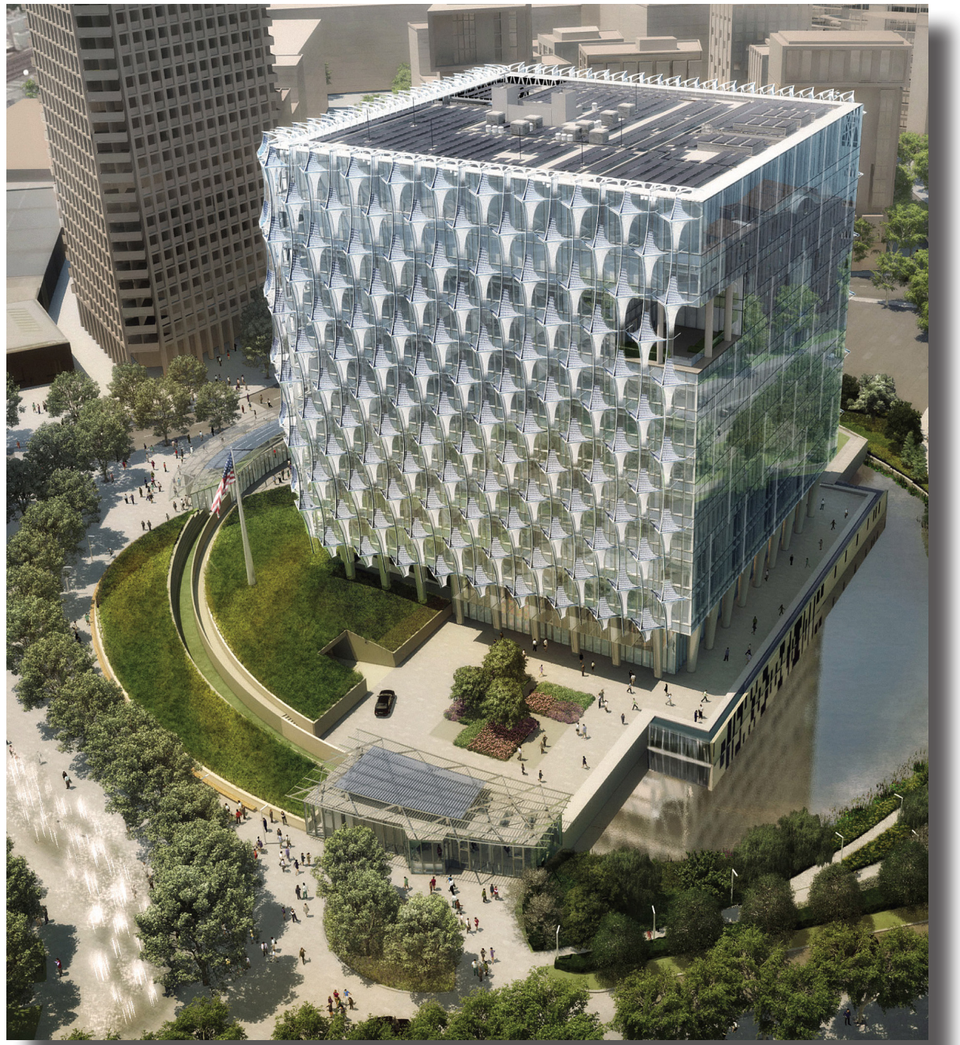
Former US embassy London

CRIME RESULTS PARTLY FROM THE OPPORTUNITIES PRESENTED BY THE PHYSICAL ENVIRONMENT

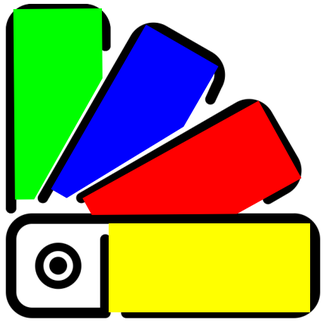


IT SHOULD BE POSSIBLE TO ALTER THE PHYSICAL ENVIRONMENT SO CRIME IS LESS LIKELY TO OCCUR





NEW US embassy London



A HANDBOOK FOR SAFE BUILT ENVIRONMENTS

“The physical environment can exert a direct influence on crime settings by delineating territories, reducing or increasing accessibility by the creation or elimination of boundaries and circulation networks, and by facilitating surveillance by the citizenry. In addition, the maintenance and the image of an area can have a major impact on whether it will become targeted.”



TERRITORIAL REINFORCEMENT STRATEGIES

... to create or extend the sphere of the users’ influence.
Strategies are directed primarily at presenting potential intruders a perception of a site or building belonging to a certain group.



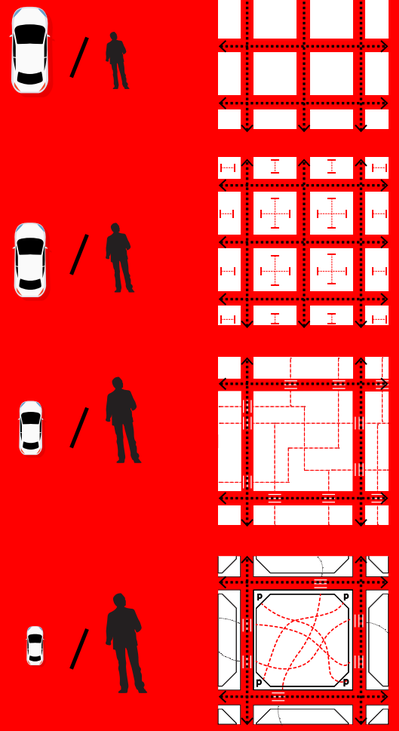


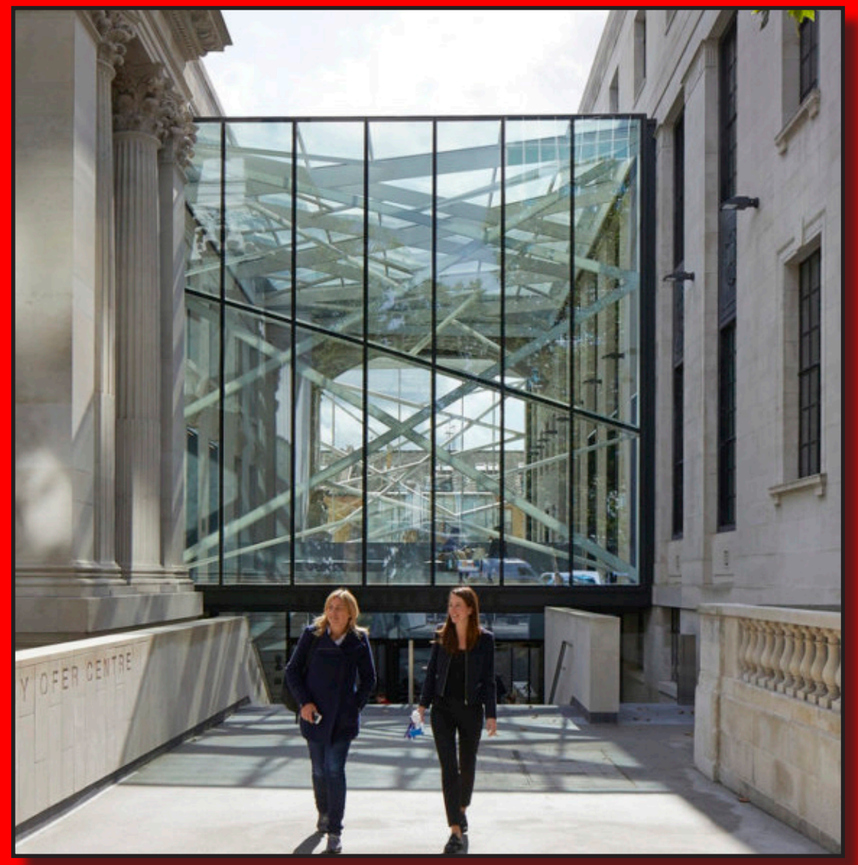

© AERODPHOTO - SHIPHOL



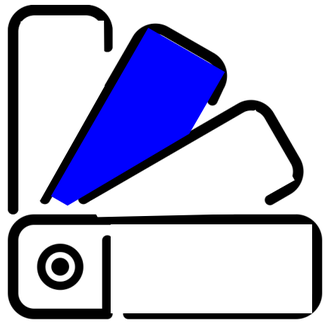
ACCESS CONTROL STRATEGIES

... to deny access to the potential intruder
Strategies are directed primarily at excluding potential intruder and create a perception of risk in offenders.



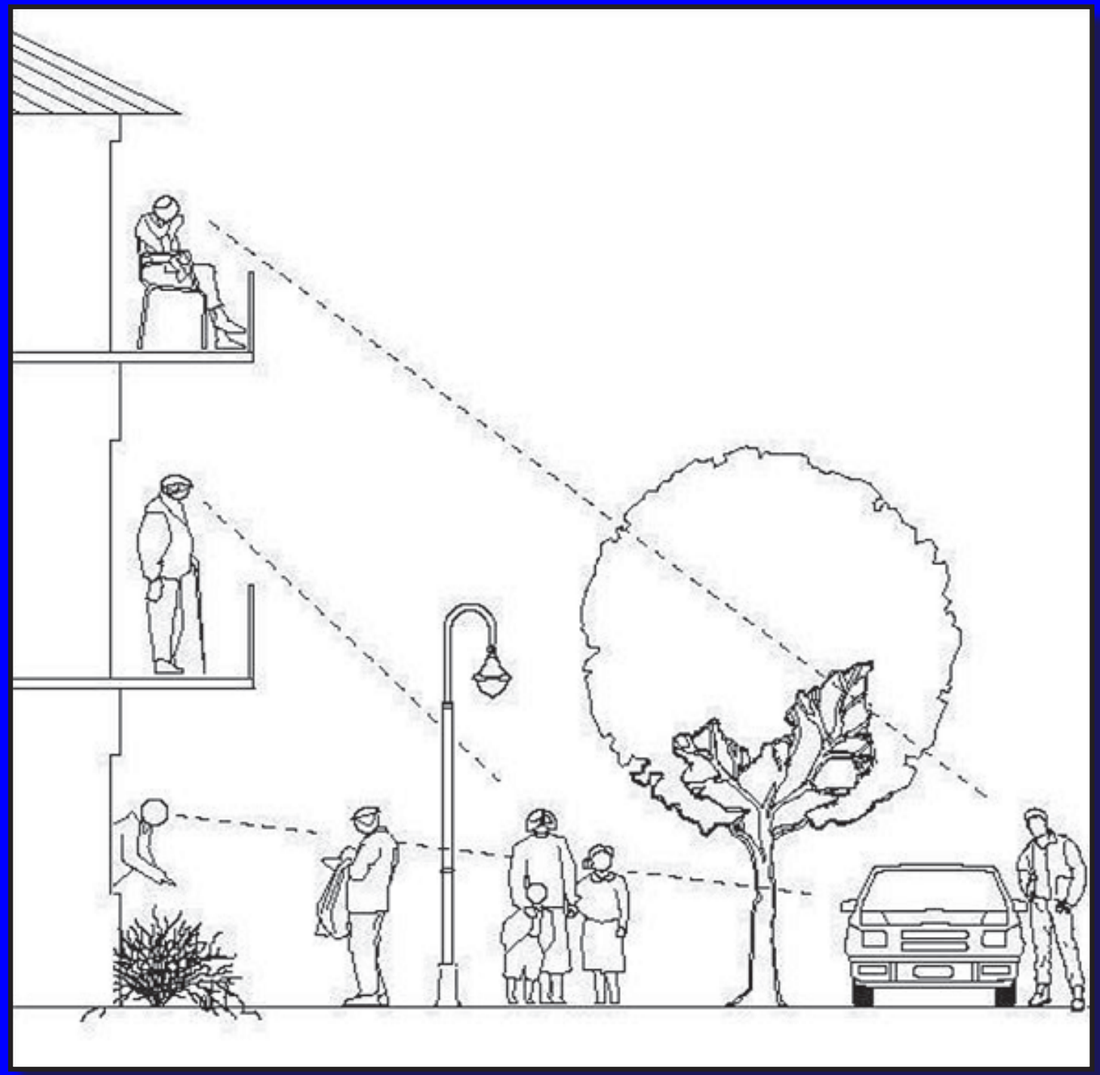


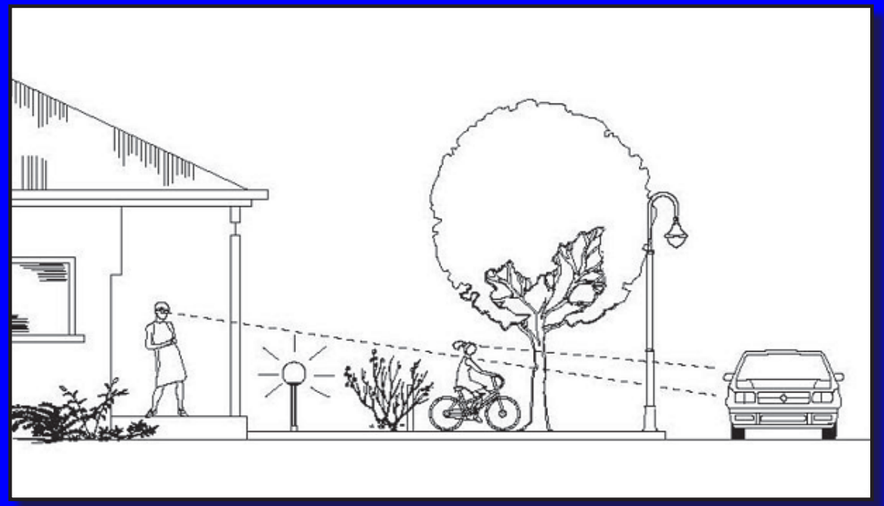


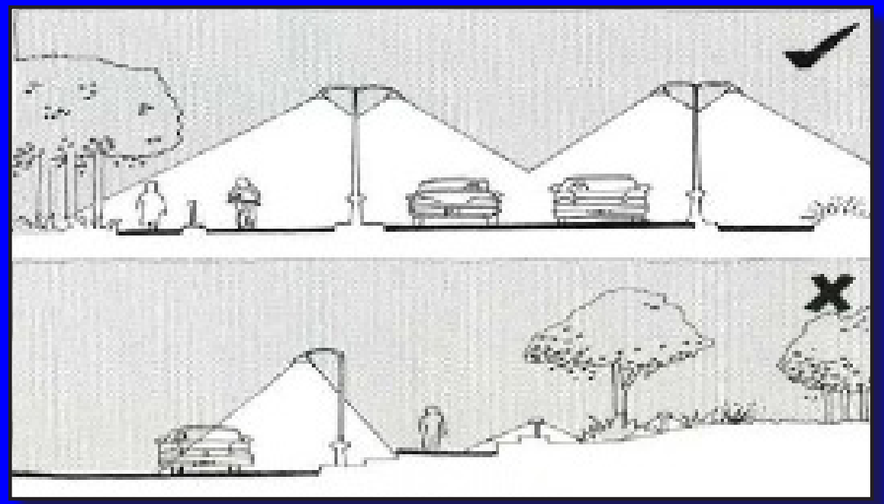


NATURAL SURVEILLANCE STRATEGIES

... to facilitate observation by the users and inhabitants. Strategies are directed primarily at keeping potential intruders under observation.





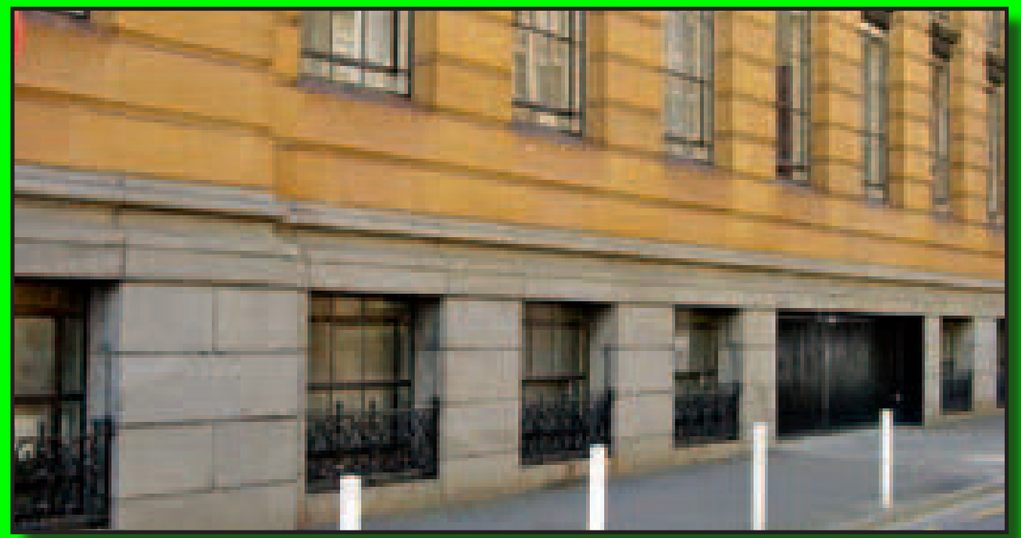




FEELING SAFE STRATEGIES

... to impart a sense of safety and reduce users’ fear of crime.
Strategies are directed primarily at inviting or repelling users





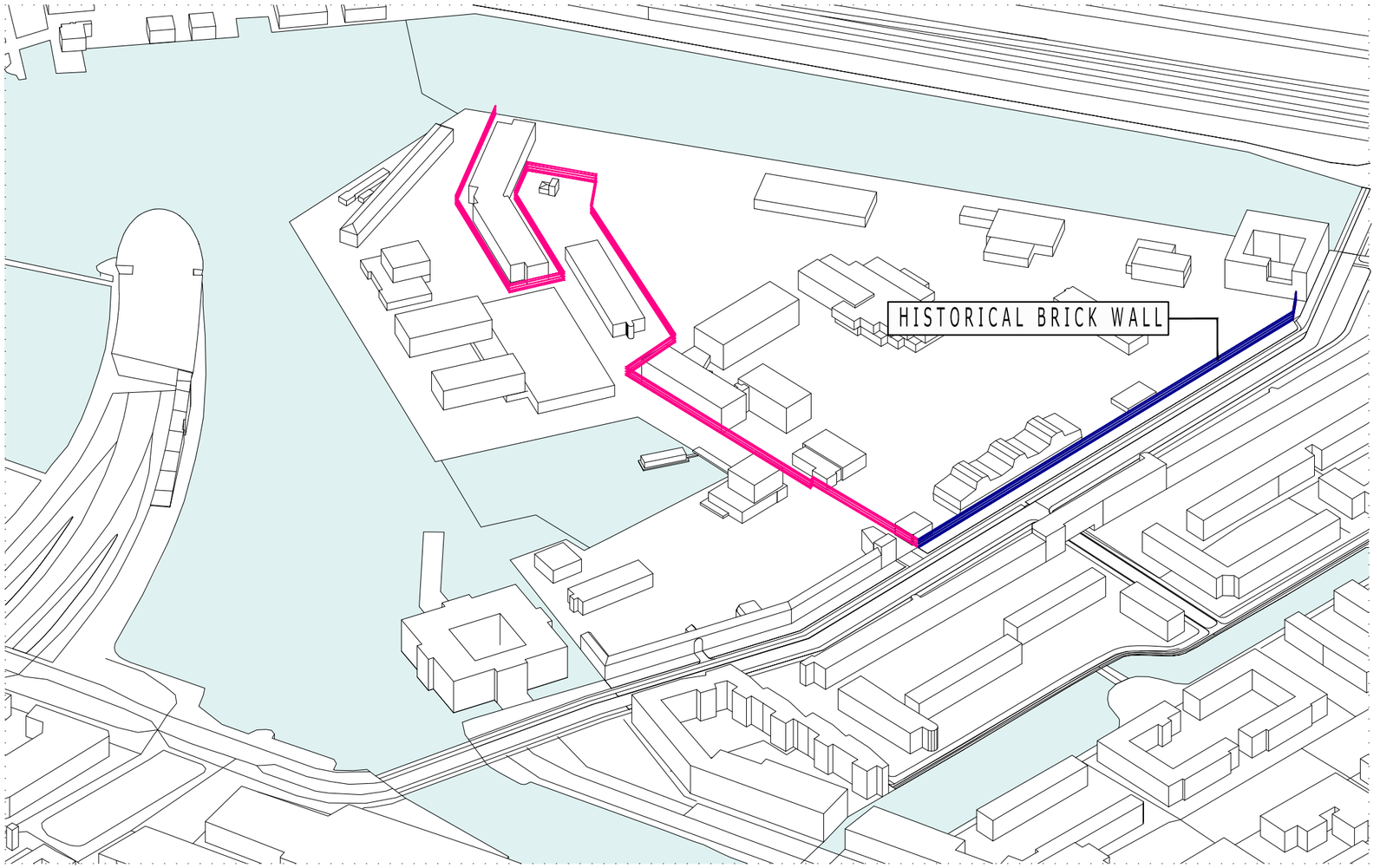

DUNGELMANN



DESIGN QUESTION

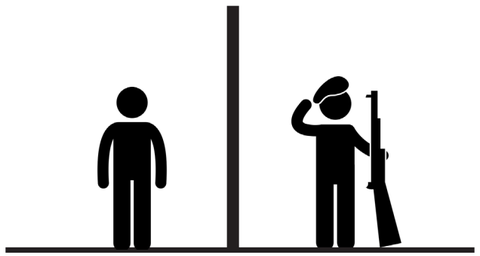


HOW CAN MARINETERREIN BECOME AN INCLUSIVE AND SAFE SPACE FOR BOTH THE LOCAL COMMUNITY AND THE NAVY BASE **WITHOUT LOOKING LIKE A BORDER-ZONE** WHILE RETAINING ITS TRANQUIL CHARACTER?



EXISTING SITUATION

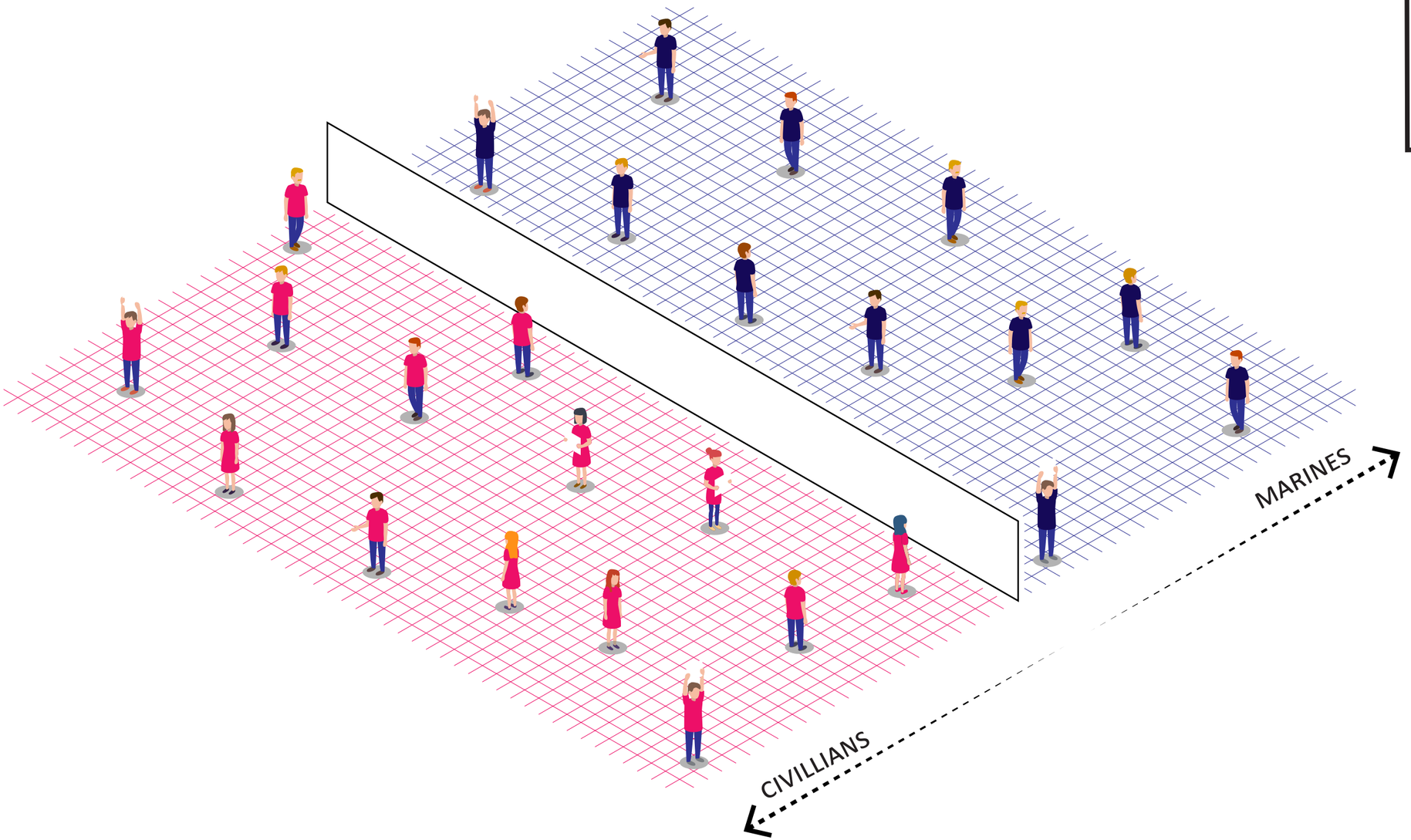
FENCING OF THE EXISTING CAMPUS



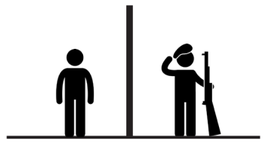
SECTION



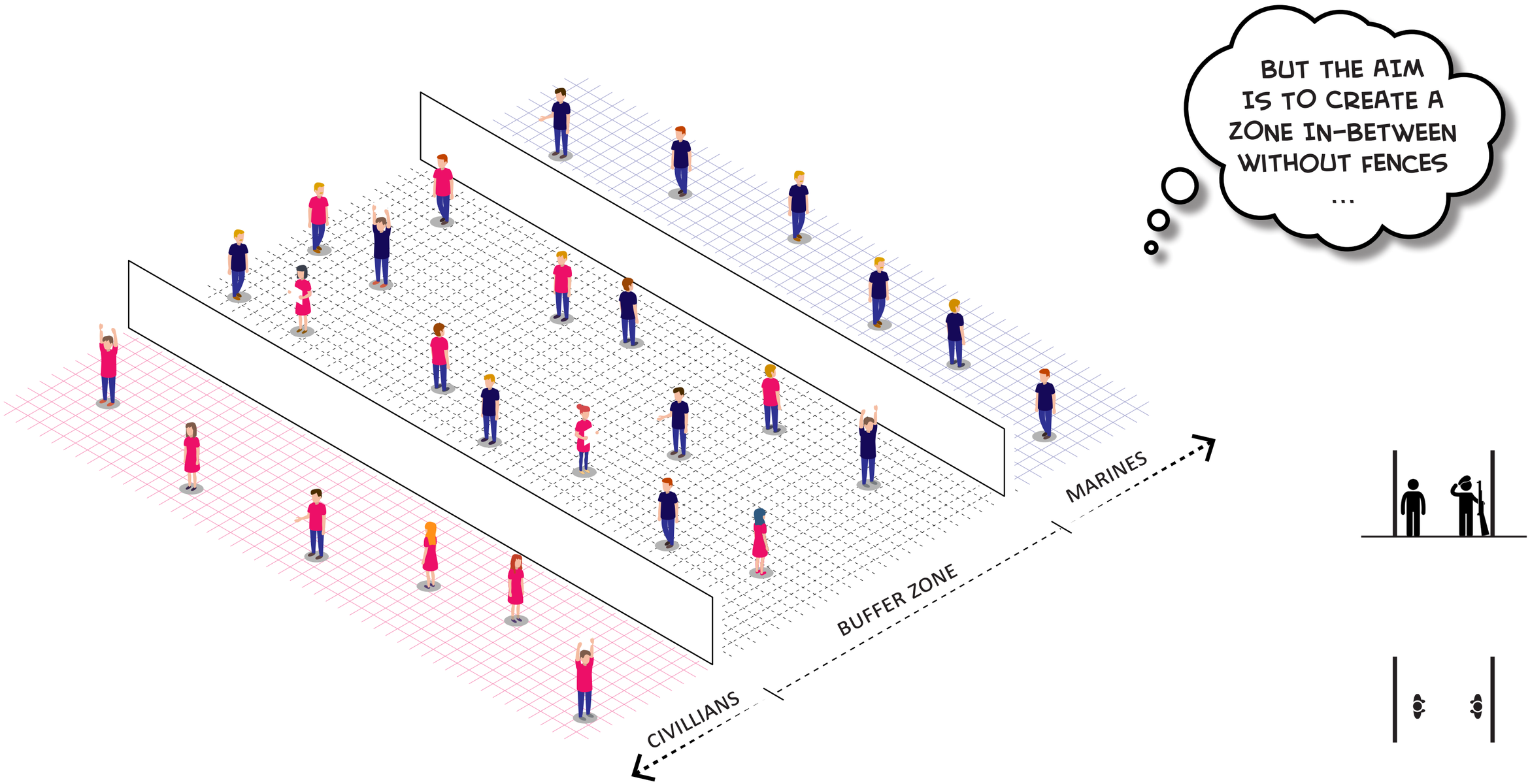
PLAN

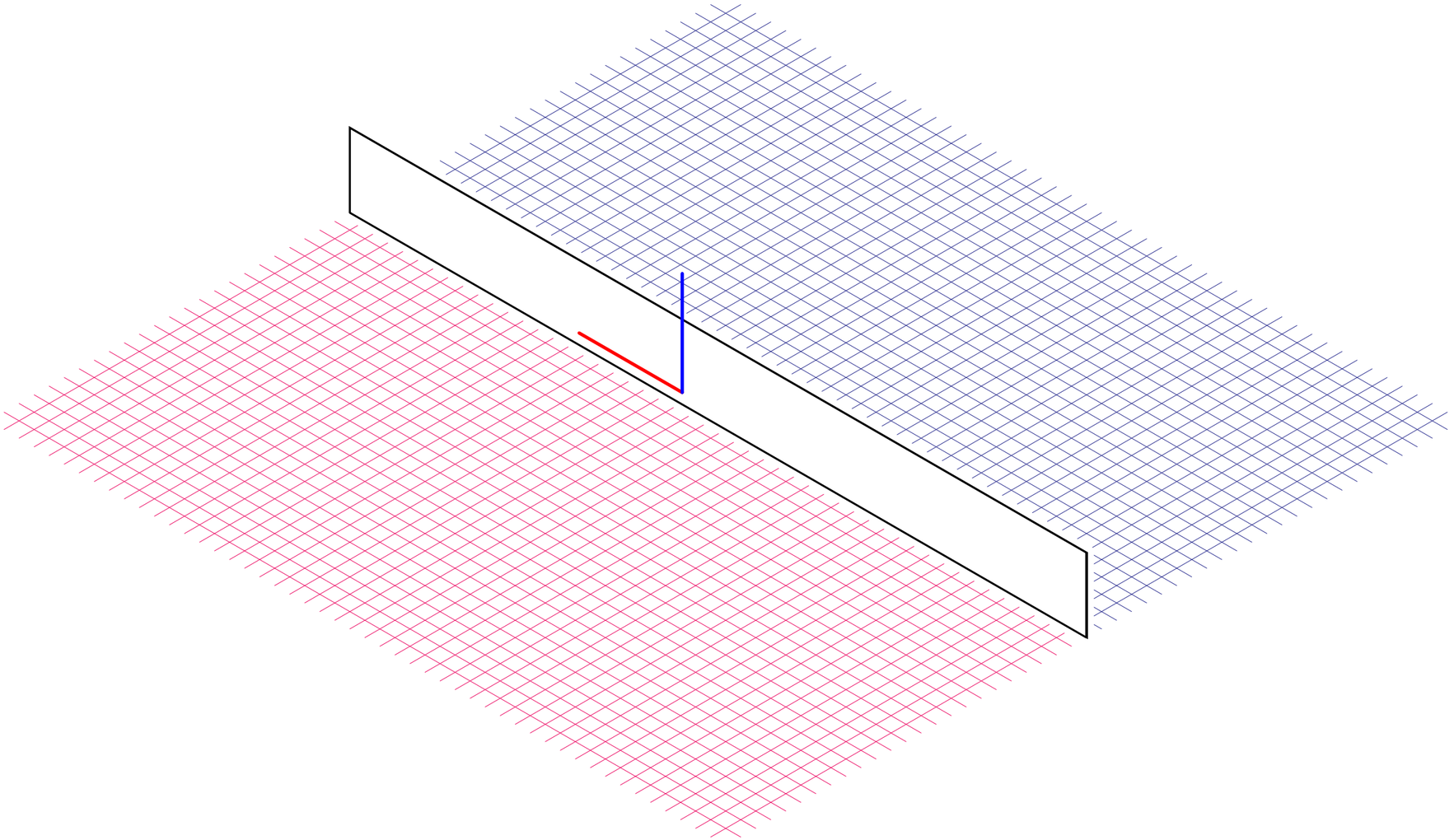


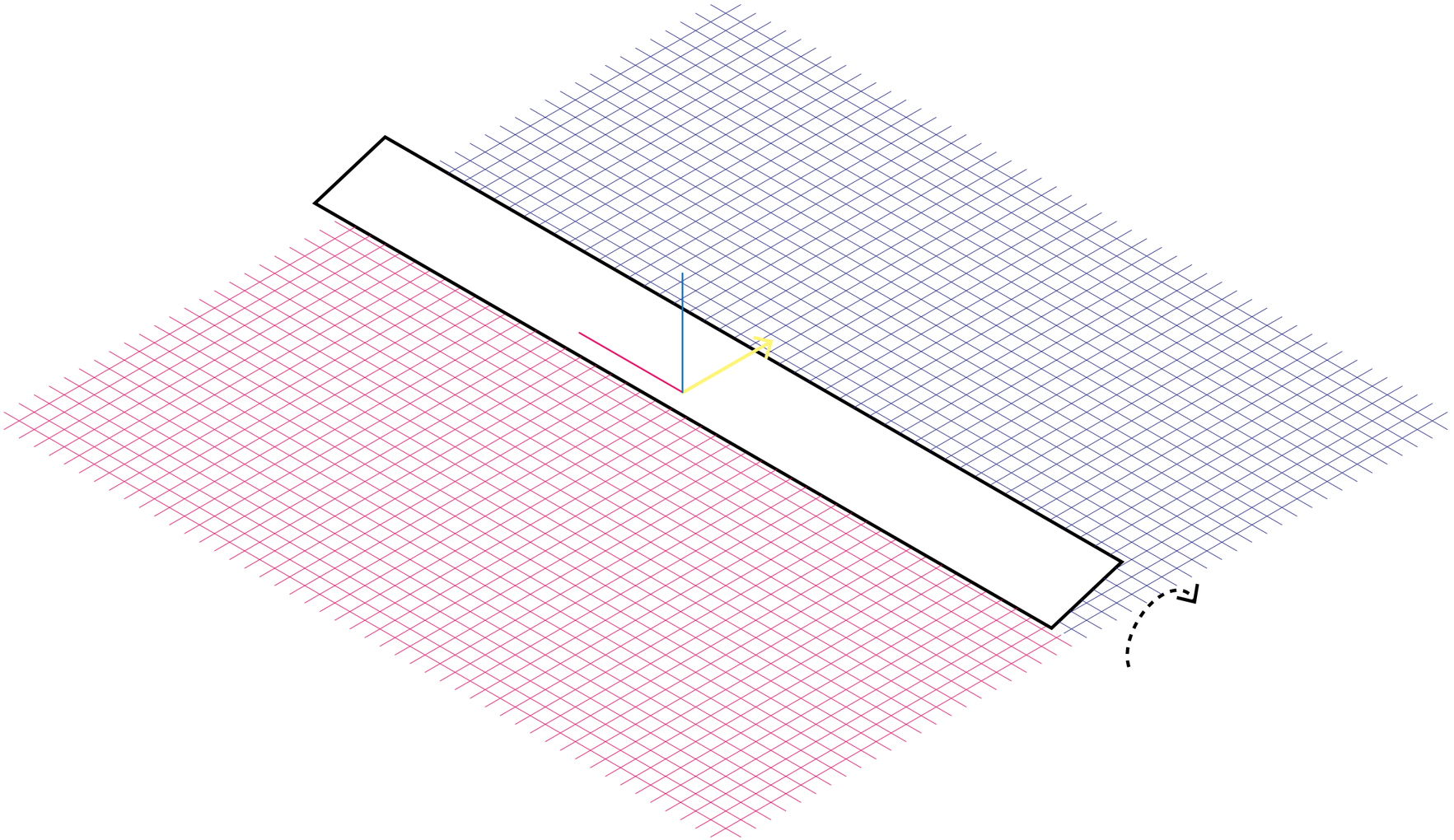
THE VERTICAL TYPICAL FENCE SEPERATES THE TWO ENTITIES

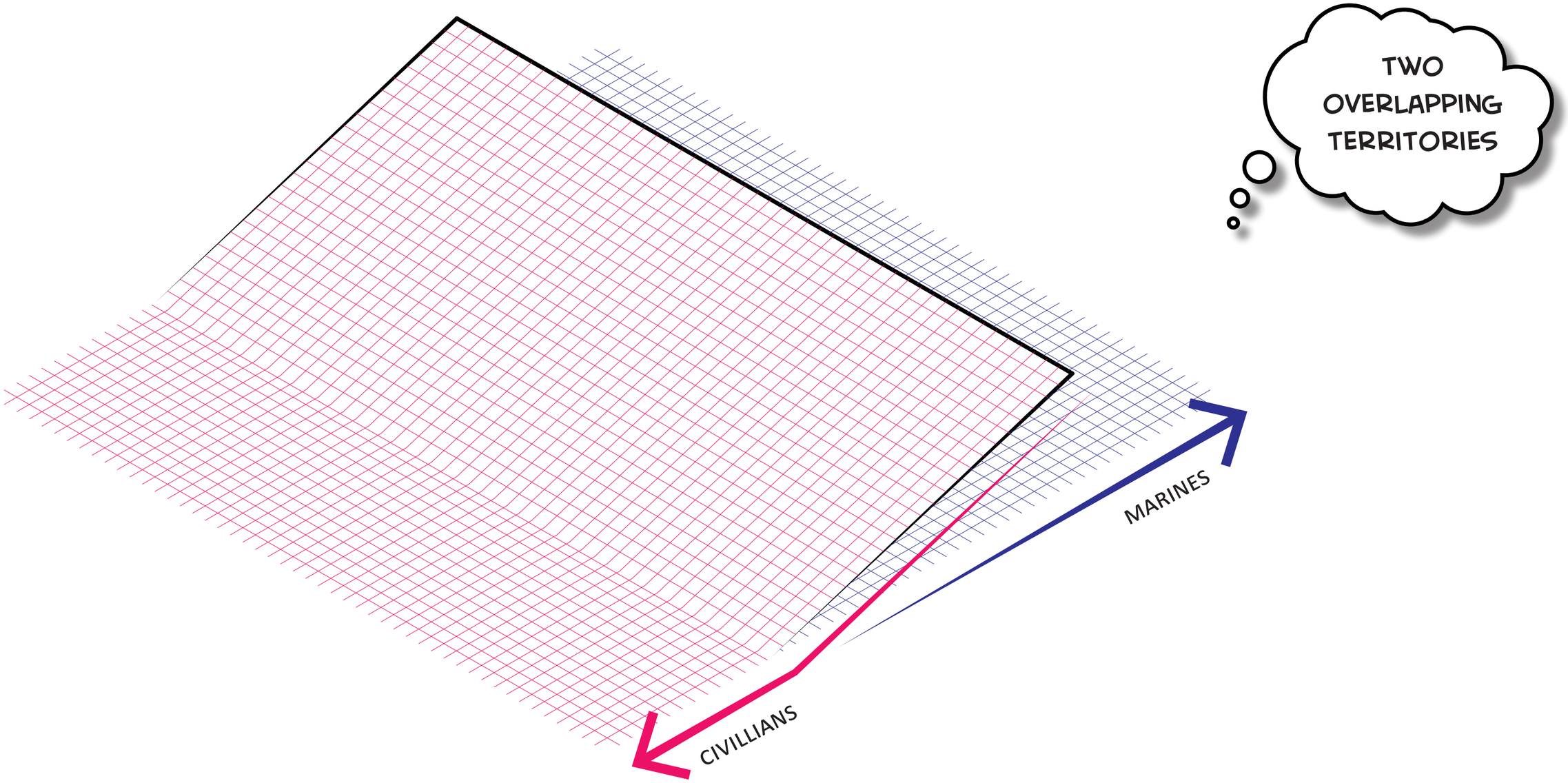


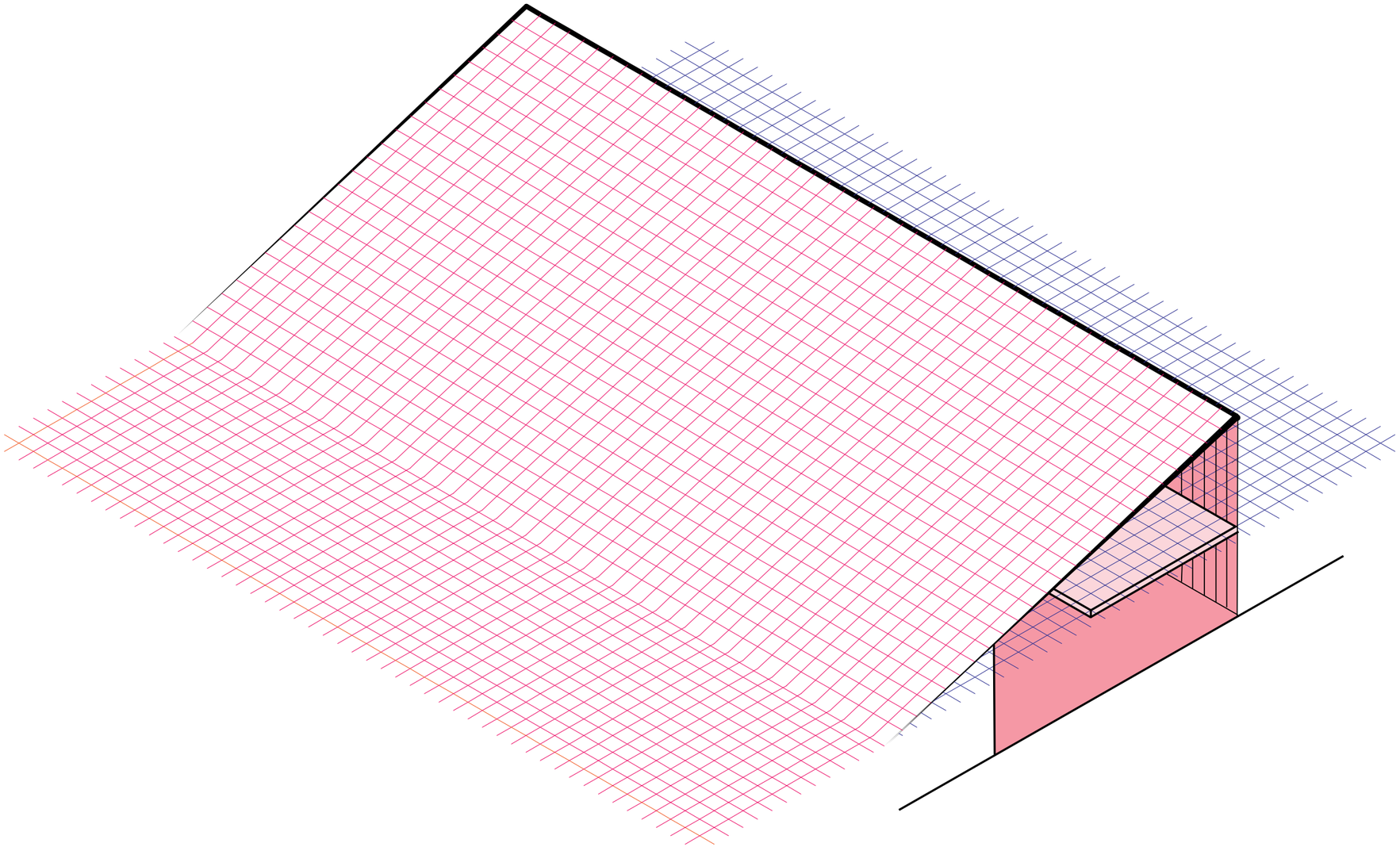



BUT THE AIM IS TO CREATE A ZONE IN-BETWEEN WITHOUT FENCES ...
MARINES
BUFFER ZONE
CIVILLIANS

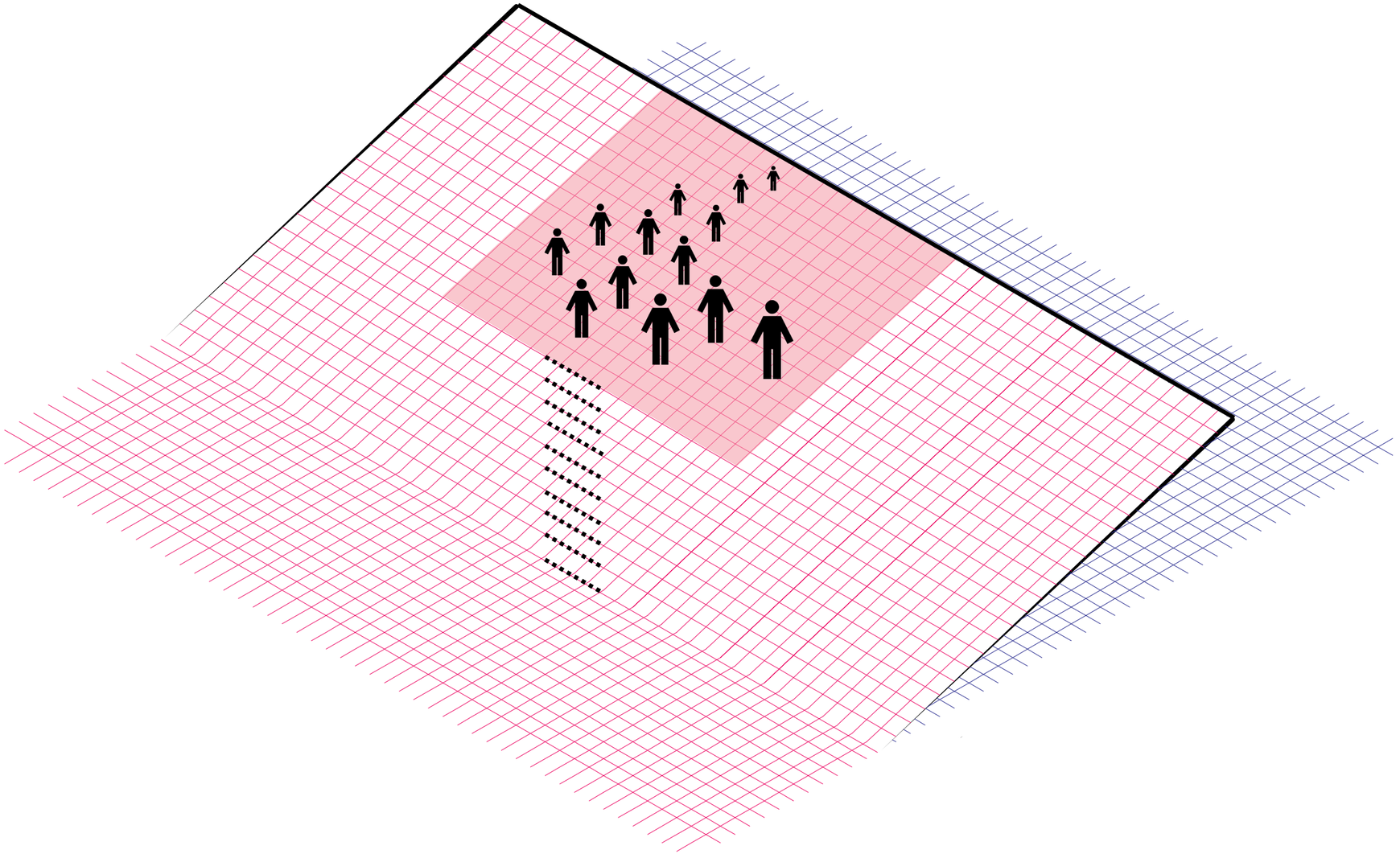




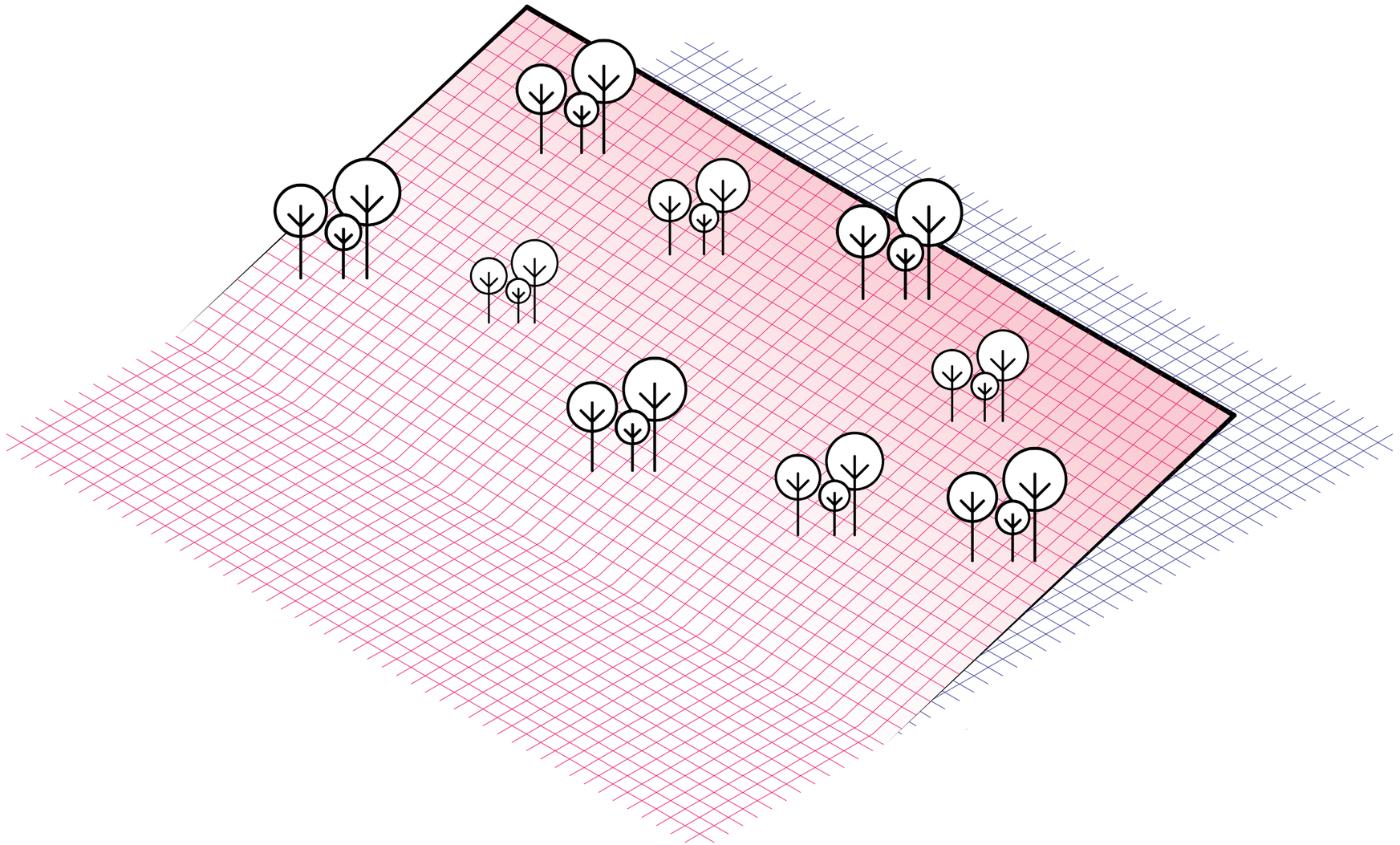

TWO
OVERLAPPING
TERRITORIES
MARINES
CIVILLIANS



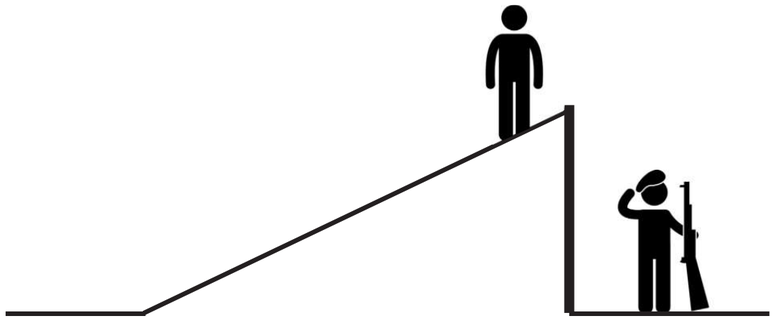
CREATES
FUNCTIONAL SPACE
UNDERNEATH IT



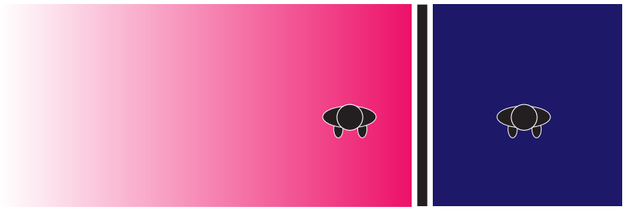
PROVIDES SURFACE FOR VARIOUS ACTIVITIES



FULFILLS SUSTAINABLE STANDARS WITH GREEN ROOFS



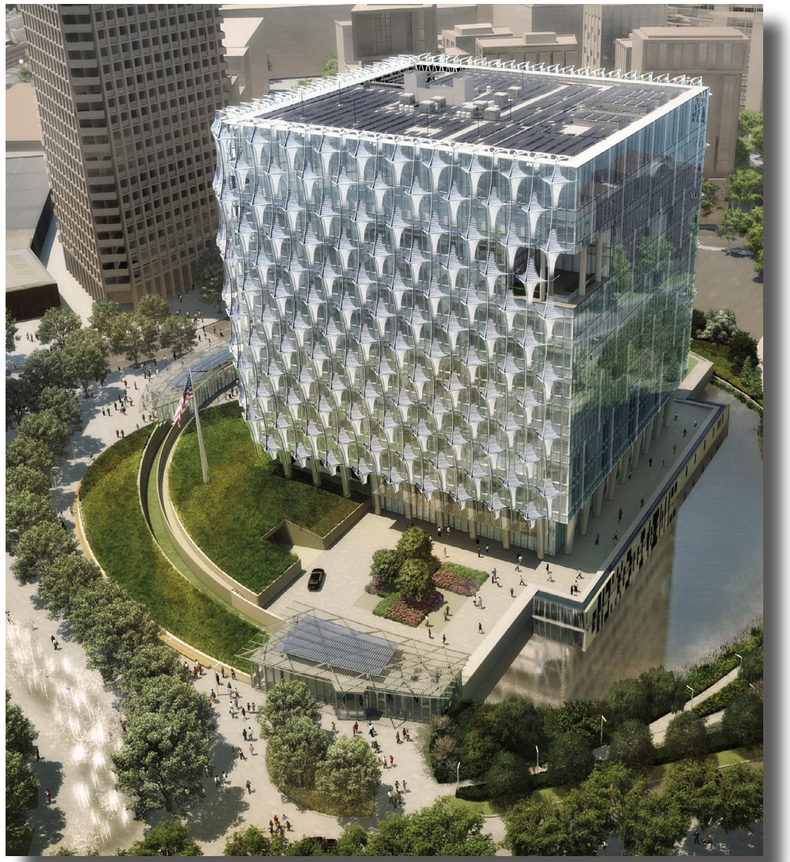
SECTION



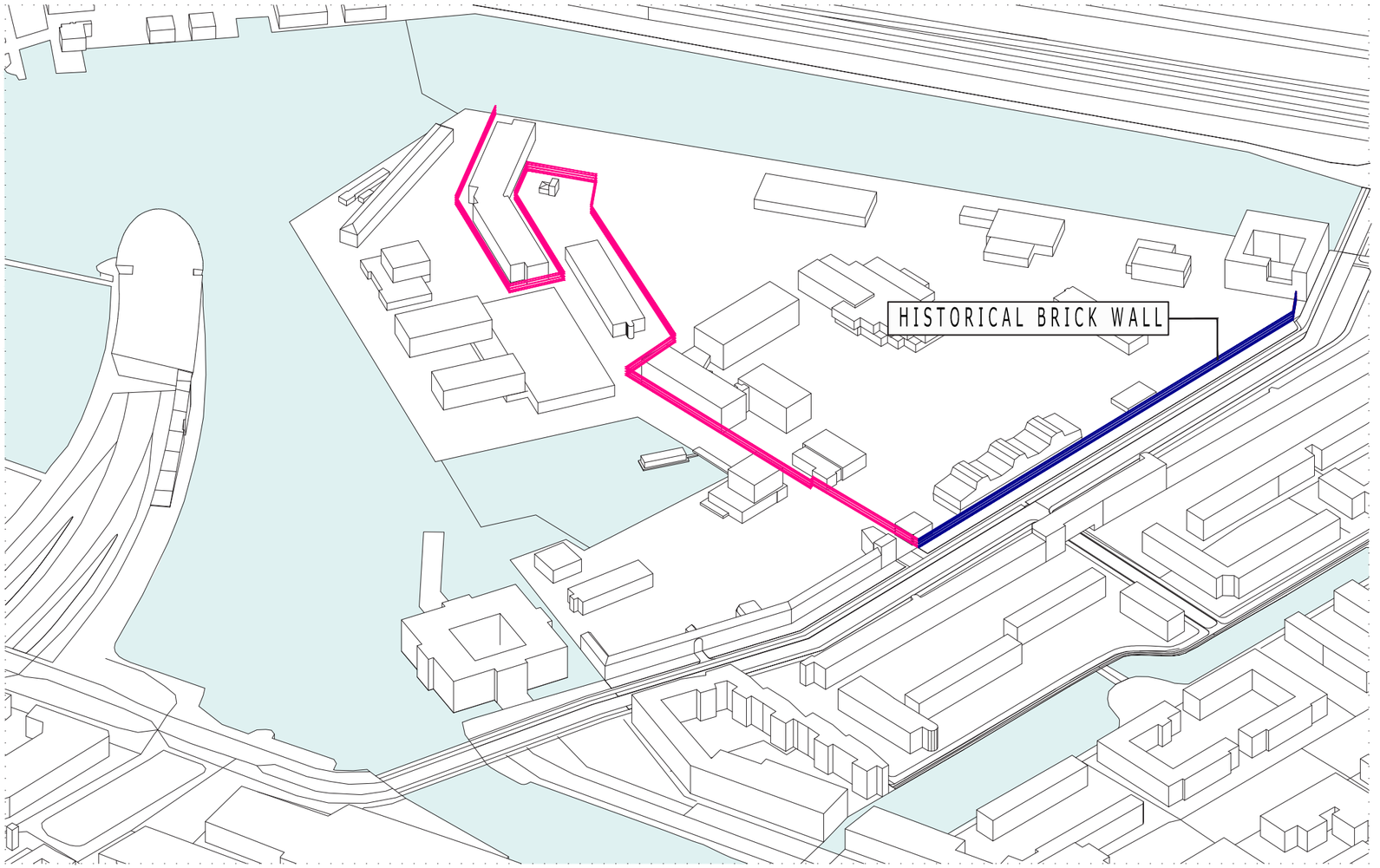
PLAN

FENCING THE MARINE CAMP
The presence of the marine camp in the city centre is an anachronism and needs drastic changes in order to improve its relationship with the city.

#1
DESIGN FOR LANDSCAPE FEATURES THAT FORM PHYSICAL BARRIERS

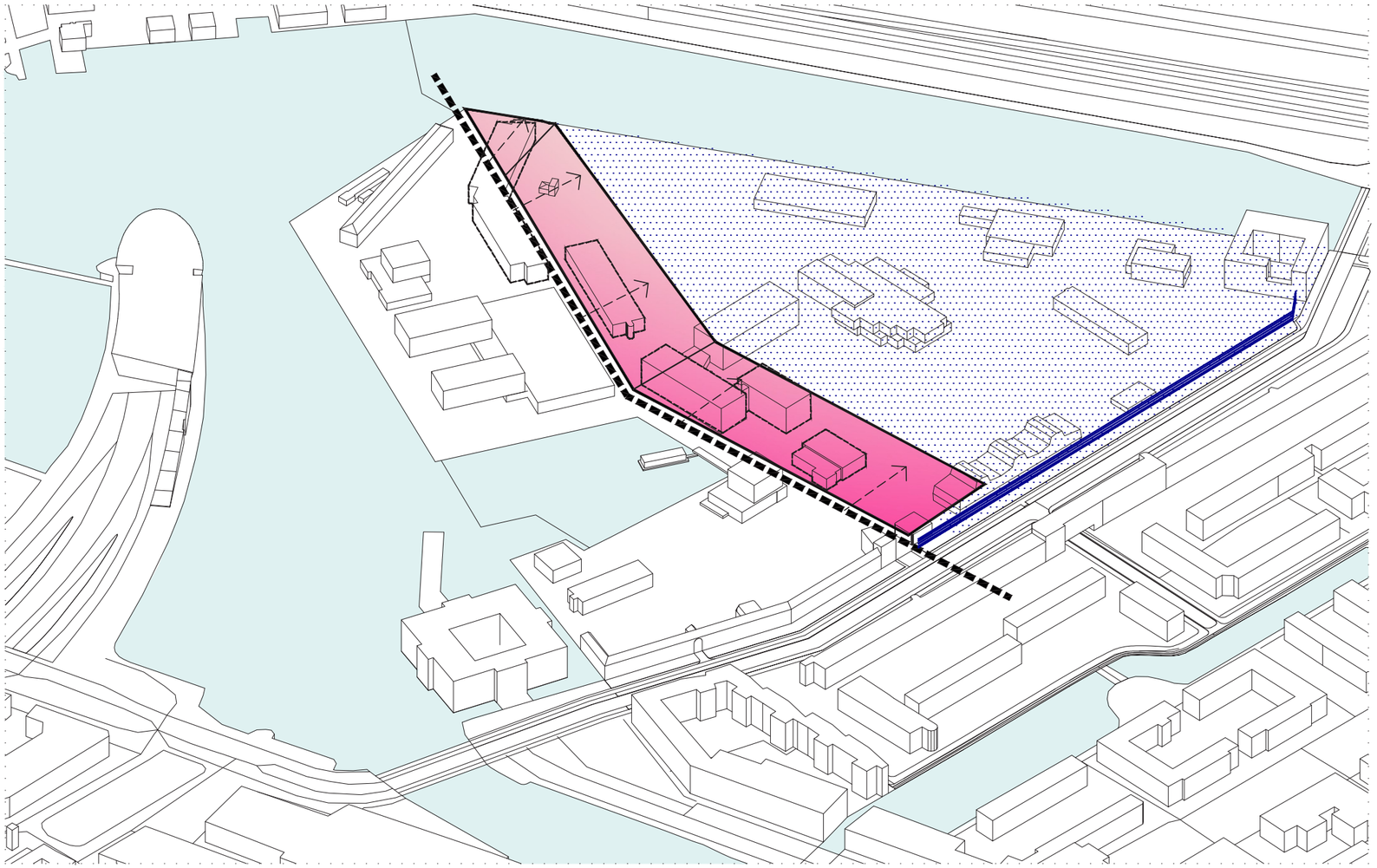






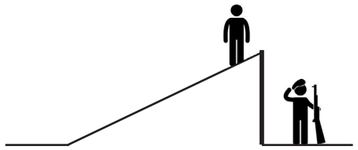
EXISTING SITUATION

FENCING OF THE EXISTING CAMPUS

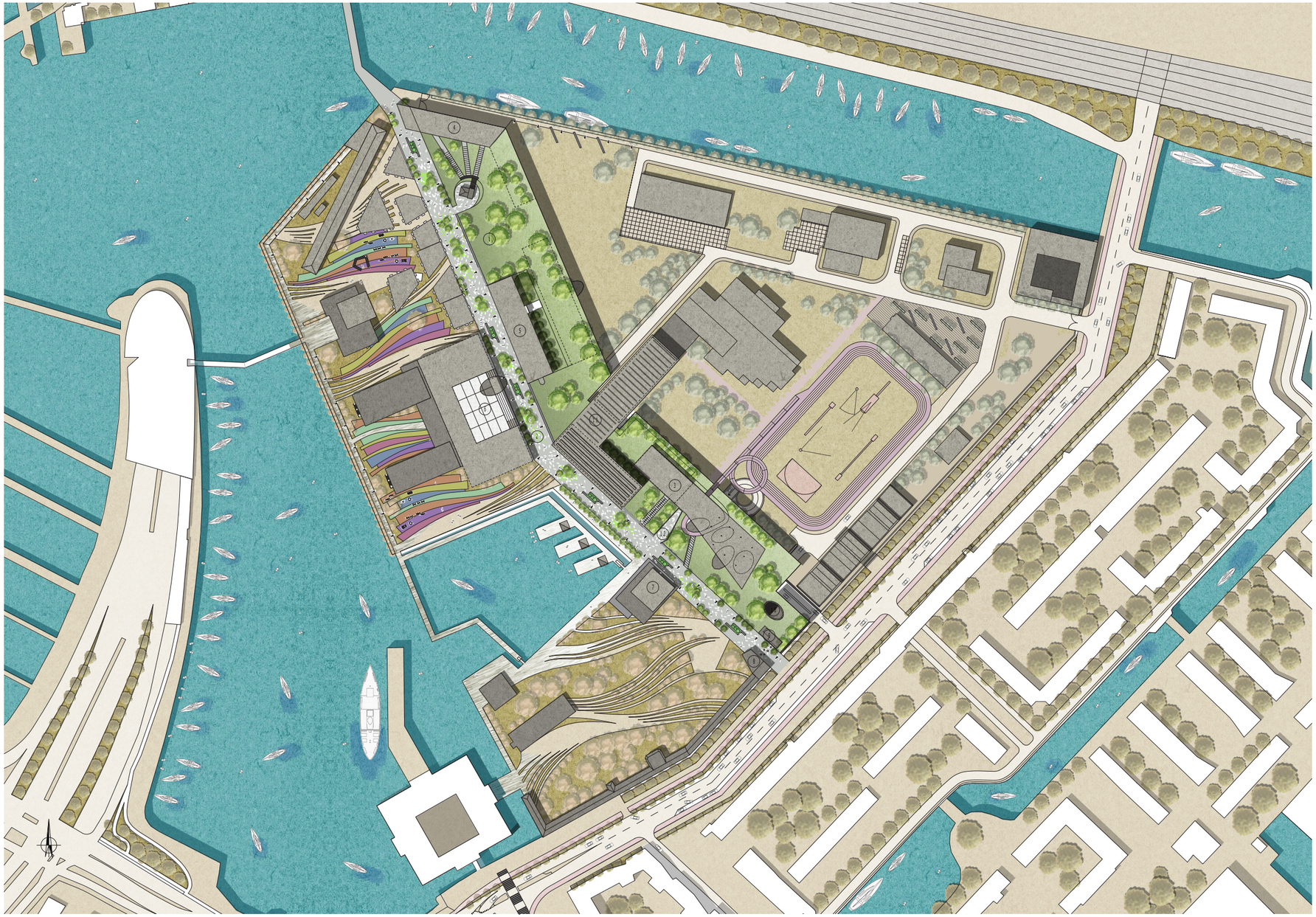


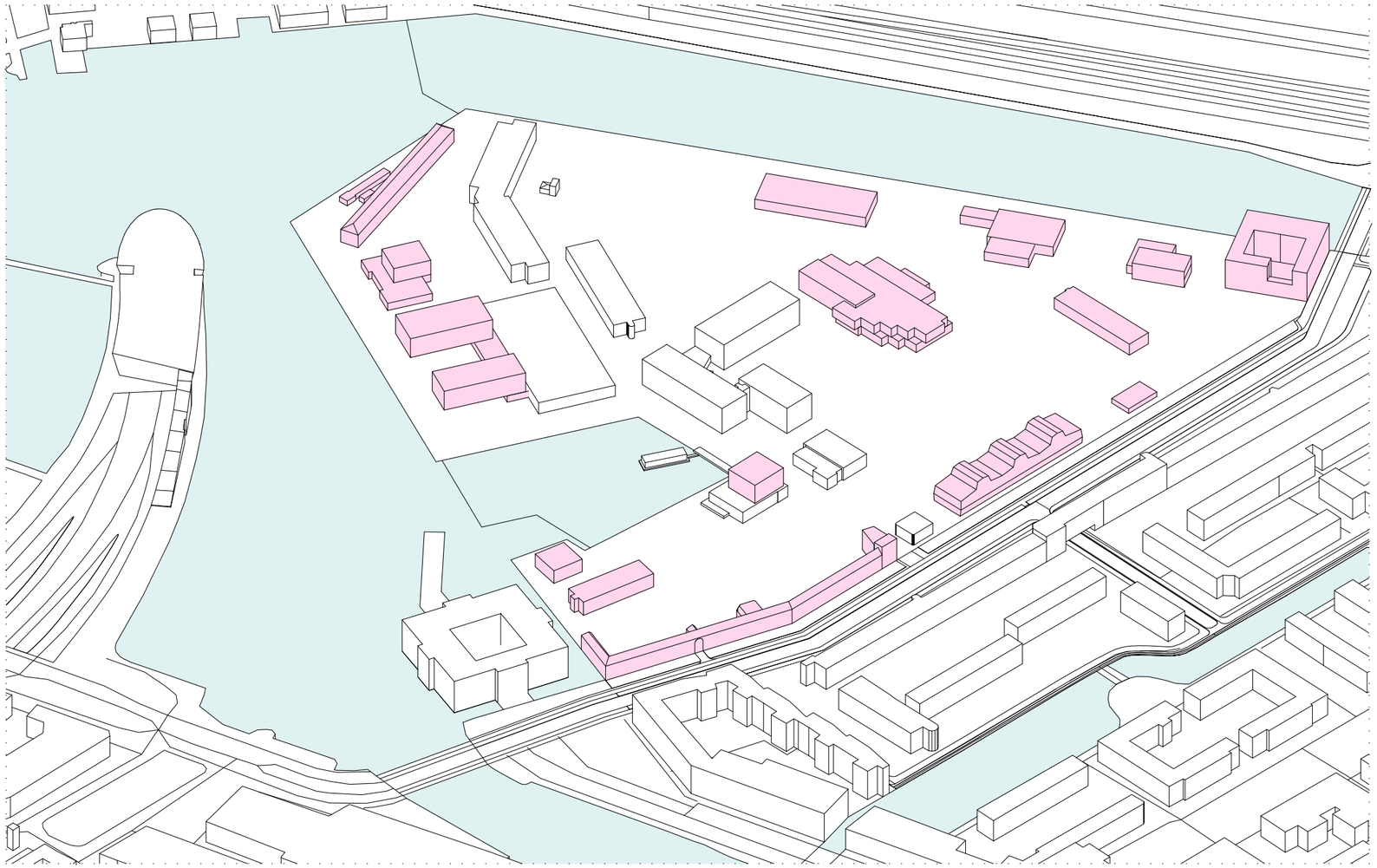
PROPOSAL OF SLOPING SURFAC /BUFFER ZONE

1. THE EXISTING SURROUNDING BORDER OF THE MARINES IS REDEFINED.
2. THE EXISTING BRICK BALL REMAIN AND RESPECTED AS PART OF THE HISTORY OF THE CITY.
3. THE FENCING WALL IS REPLACED WITH THE SLOPING SURFACE AND I IS CREATES A RENEWED DIALOGE BETWEEN THE TWO ENTITIES.



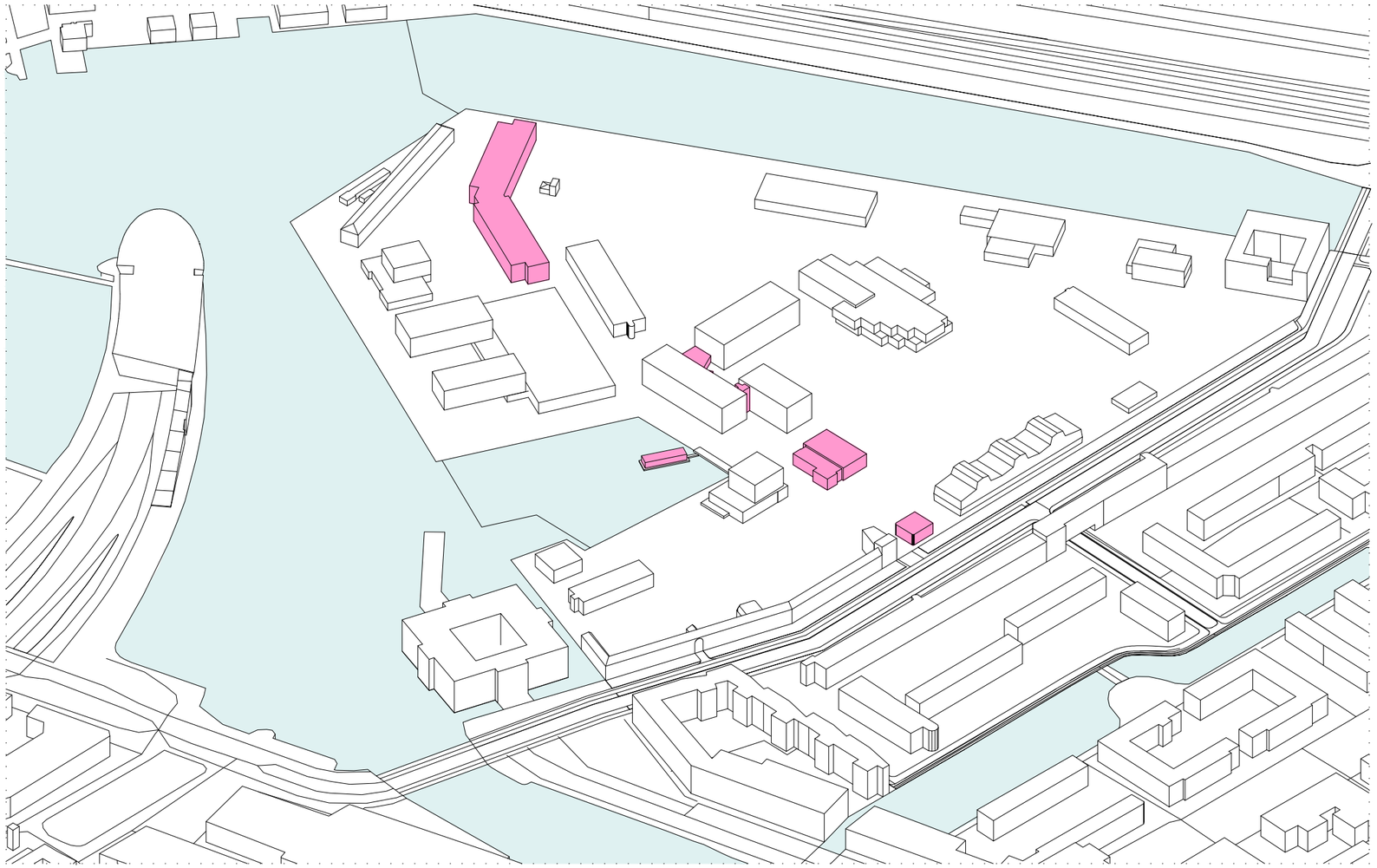






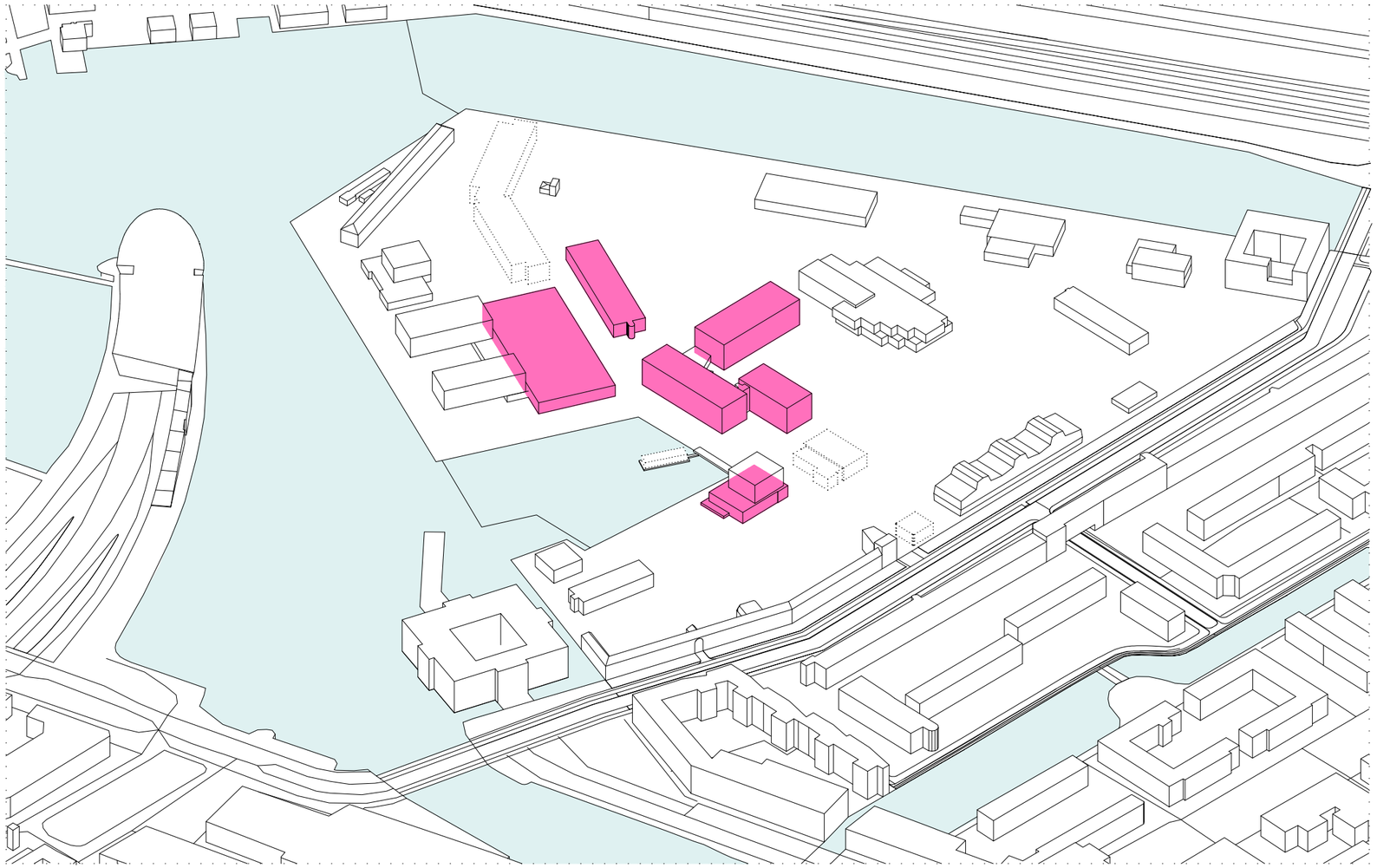
BUILDINGS UNTOUCHED

MAJORITY OF THE BUILDINGS ON SITE REMAIN AS THEY ARE.



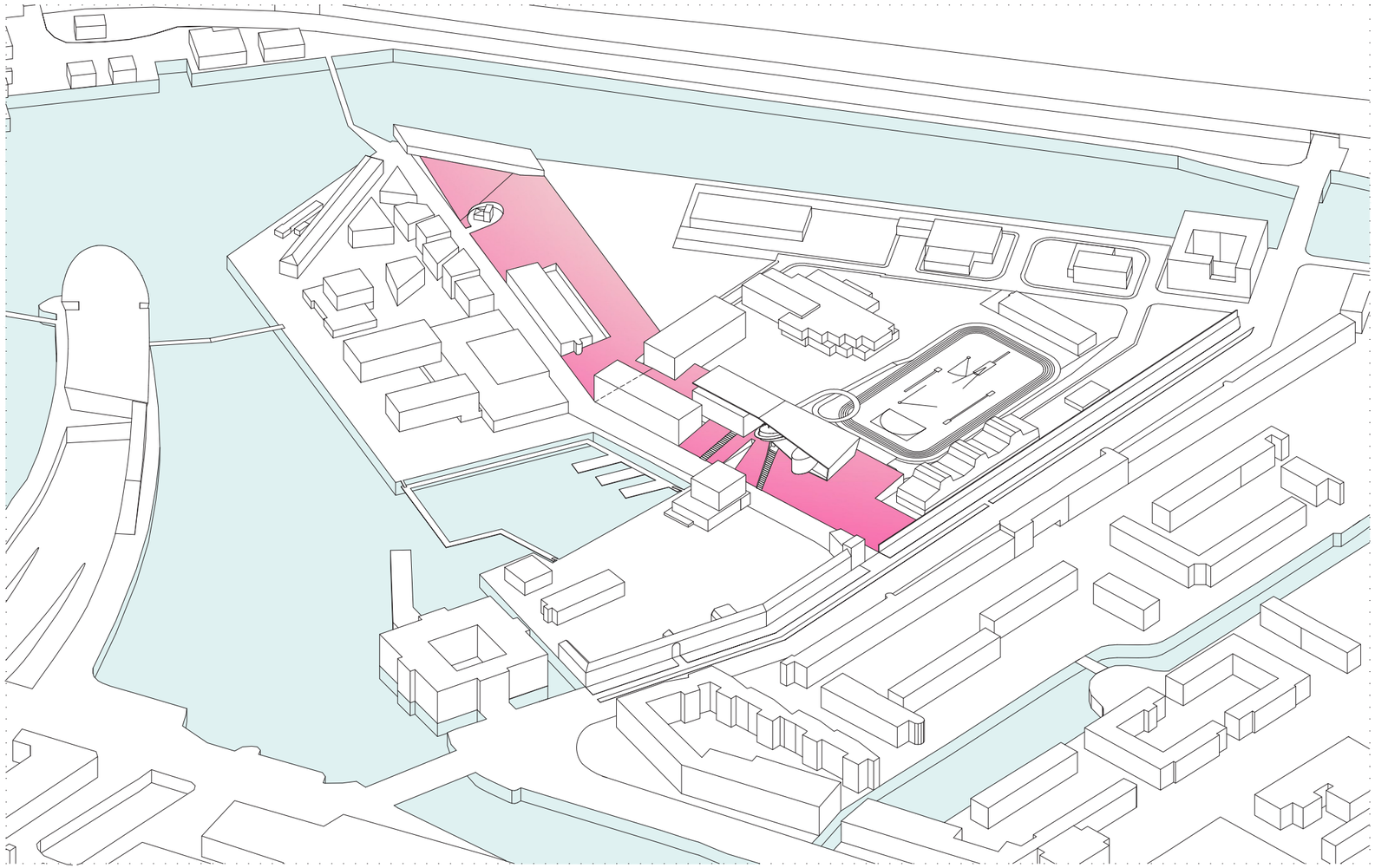
BUILDINGS DEMOLISHED

GUARD HOUSE, SPORTS SCHOOL, CIRCULATION CORES AND BARRACKS ARE TO BE DEMOLISHED AND LATER ON REPLACED WITHIN THE NEW PROPOSAL.



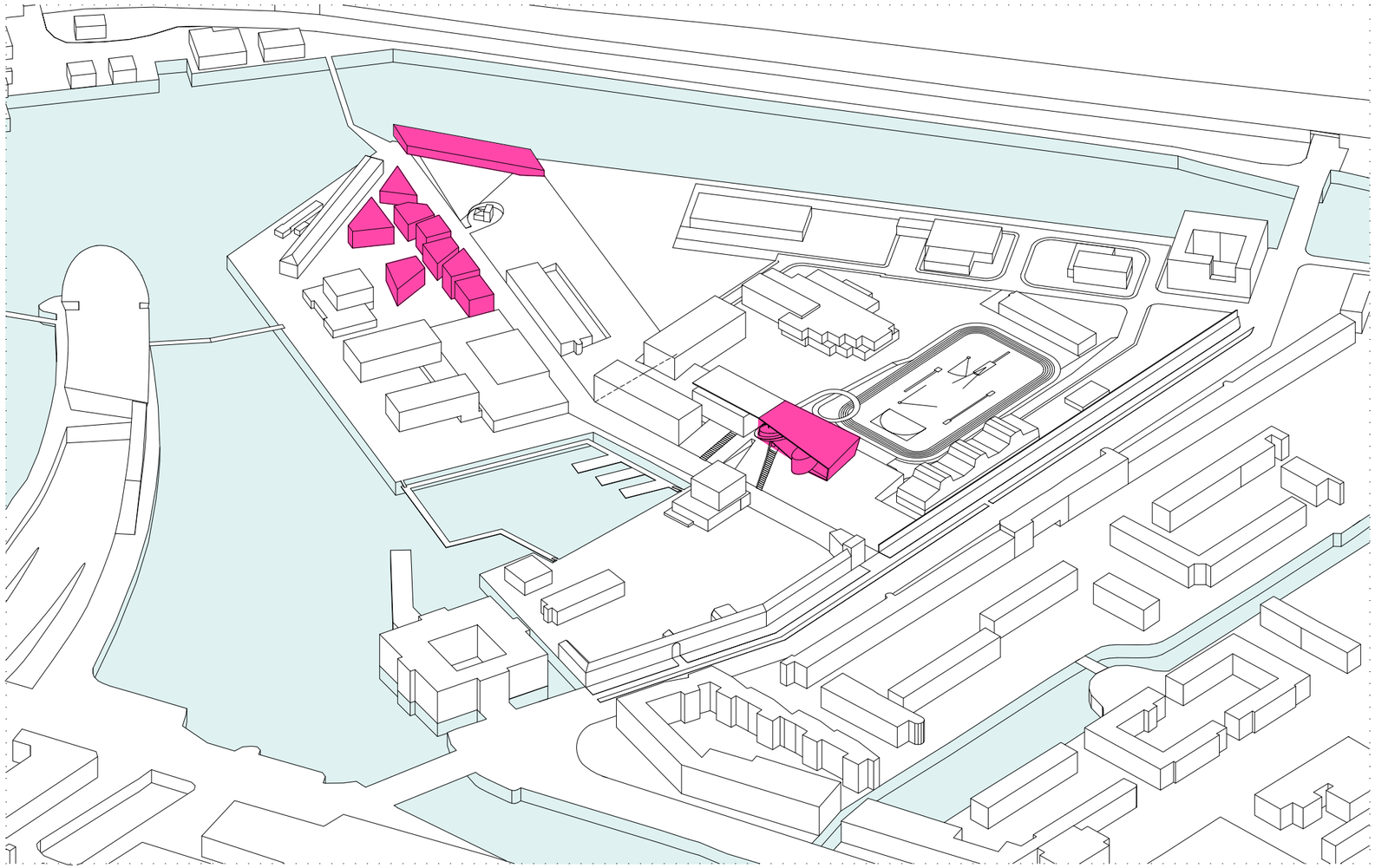
BUILDINGS RENOVATED

PENSION HOMELAND, INDUSTRIAL BUILDING, NAVY LOGISTICS BUILDINGS AND CODAM ARE RENOVATED TO SUIT THEIR NEW PURPOSE WITHIN THE PROPOSAL.



VOLUME UNDERNEATH

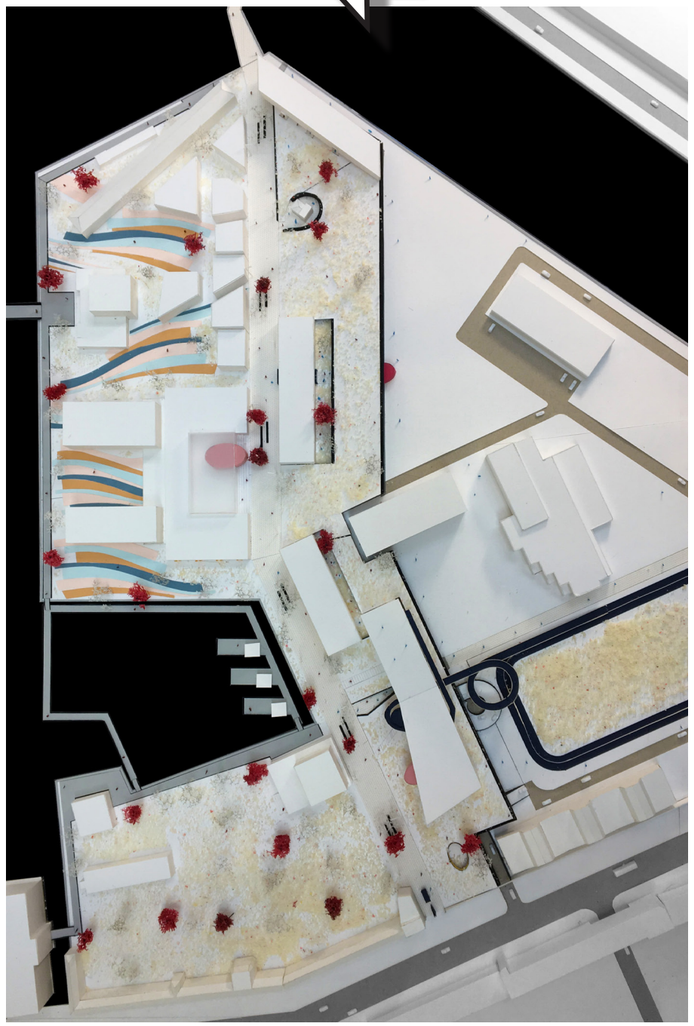
THE GREEN SLOPE CREATES
FUNCTIONAL SPACE UNDERNEATH IT
HOUSING NEW FACILITIES.



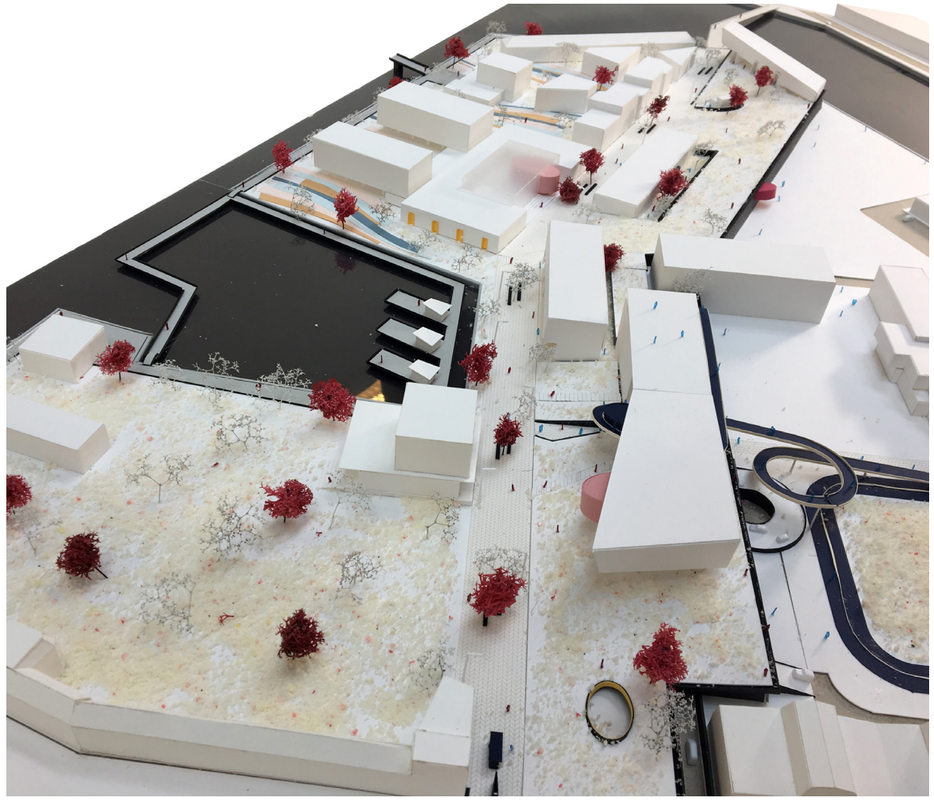
NEW EXPOSED BUILDINGS

SPORTS AND CULTURE, HOUSING
UNITS AND HOUSING COMPLEX.

THIS IS AN URBAN SCALE PROPOSAL ...



IN WHICH I, AS AN ARCHITECT, SET THE RULES ...



AND OTHER ARCHITECTS MAKE MY DREAMS COME TRUE !



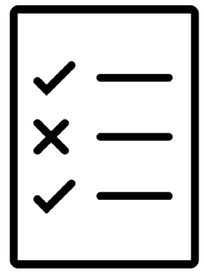
LET ME TRY AND EXPLAIN THE DRIVING CONCEPTS AND RULES



ME

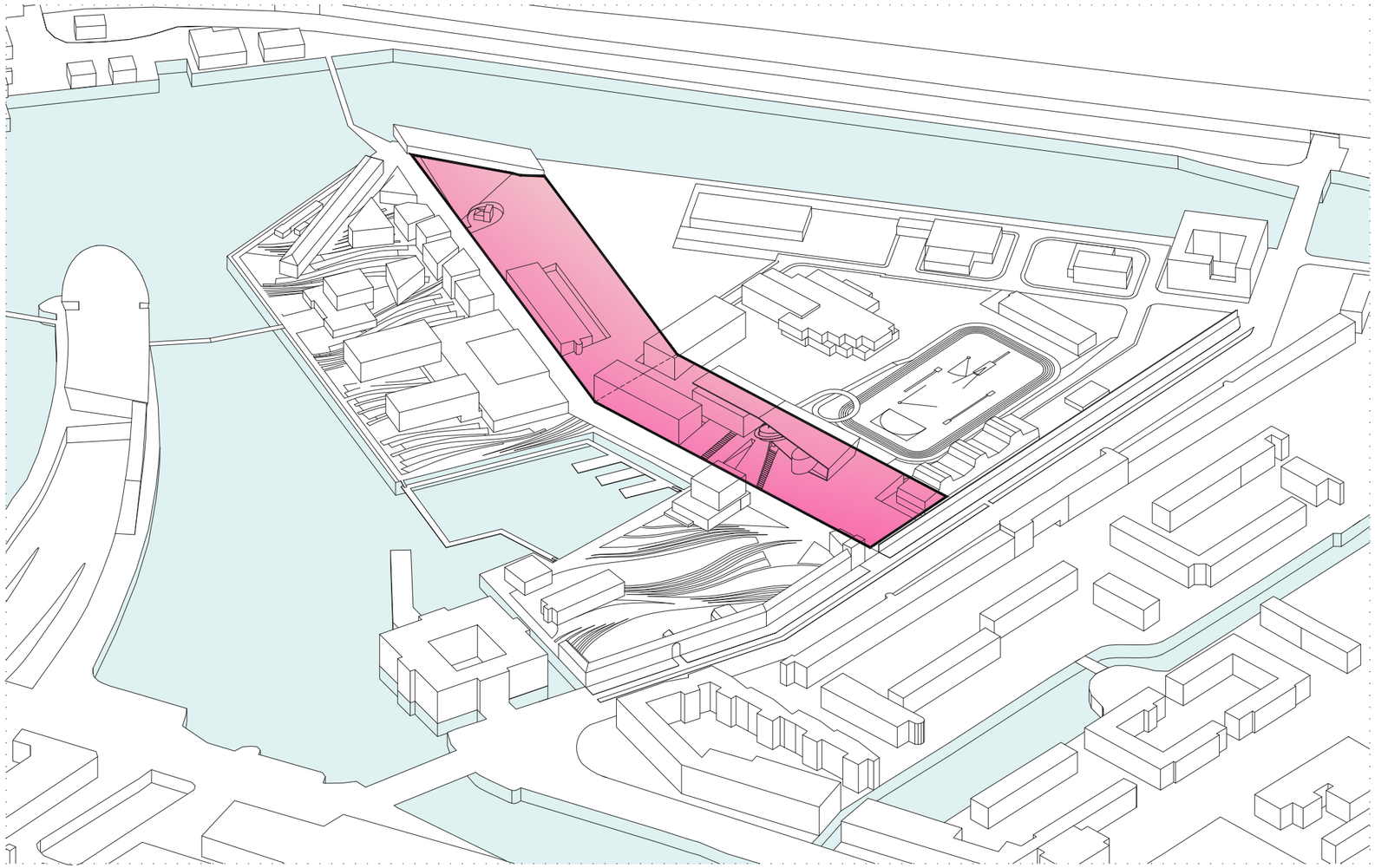


MY ARMY



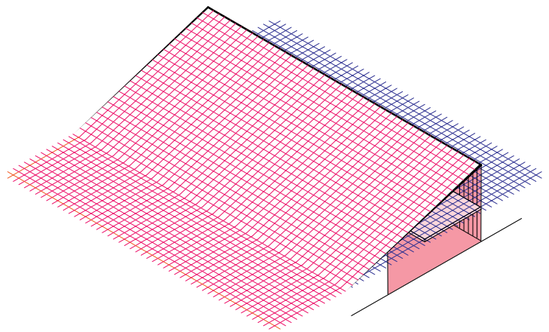
DOS AND DON'TS

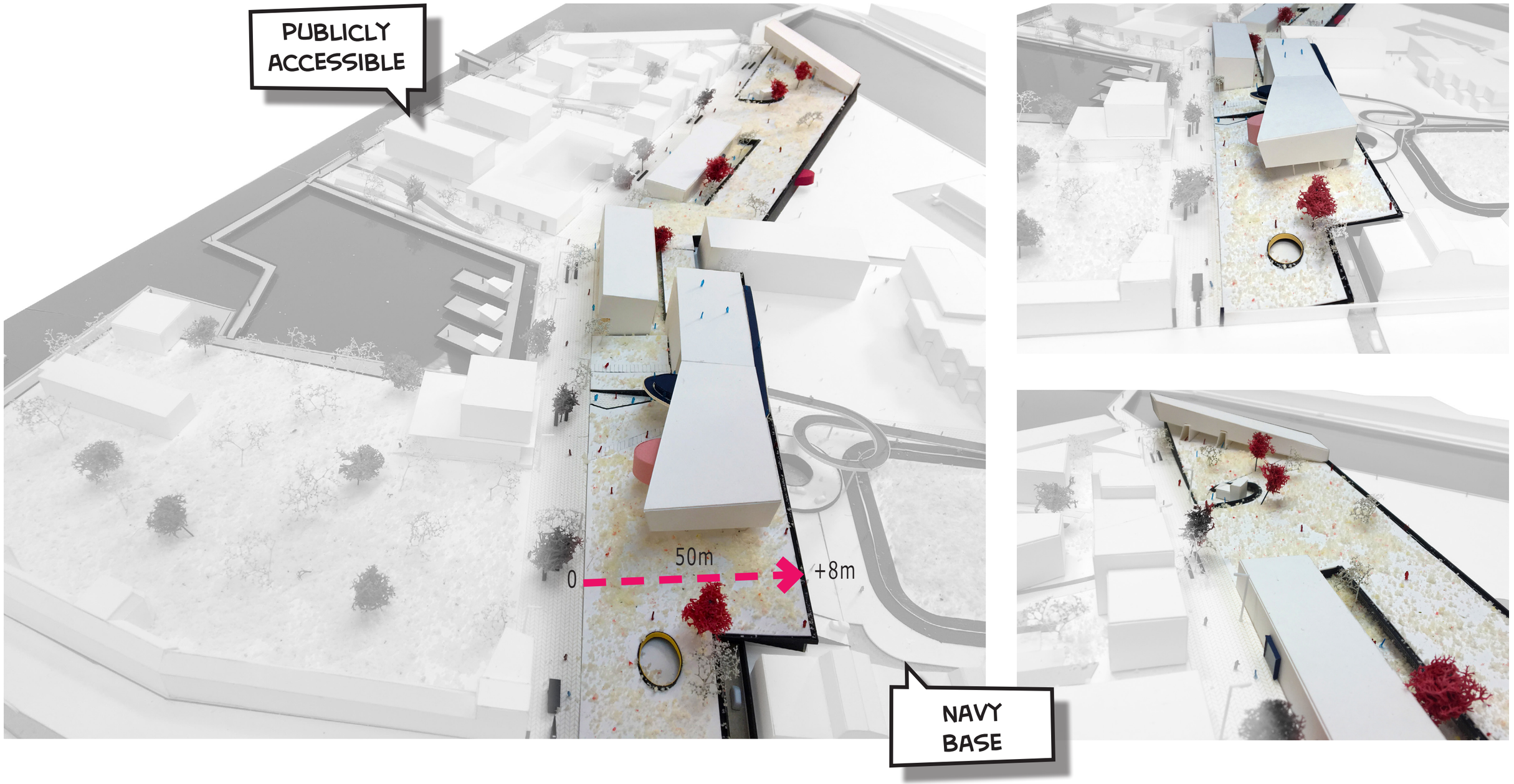
URBAN DESIGN CONCEPT



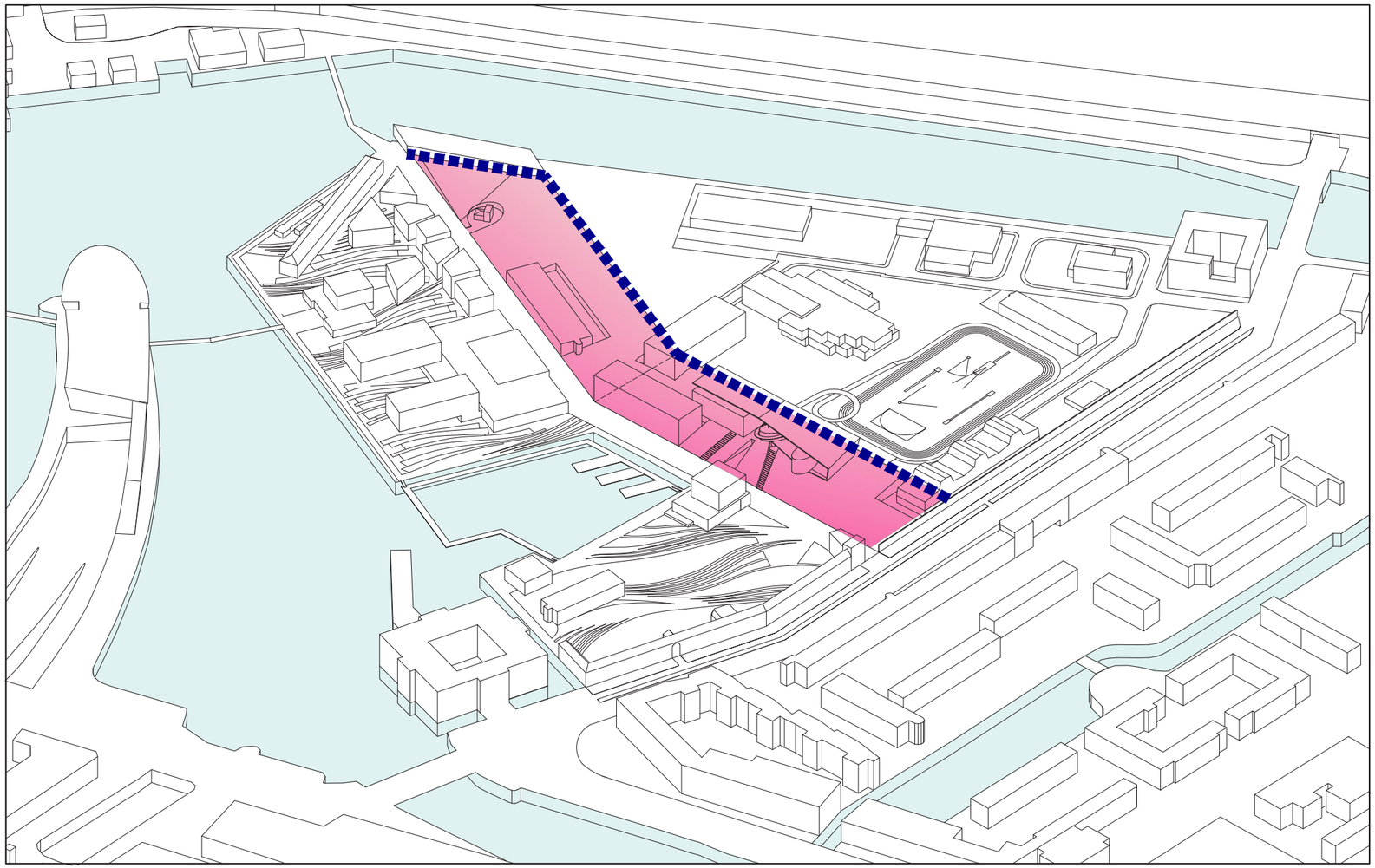
SLOPING SURFACE

SURFACE MARKS THE LIMITS OF THE BUFFER ZONE. IN THIS ZONE VARIOUS INTERRACTIONS BETWEEN PUBLIC AND THE MARINES TAKE PLACE.



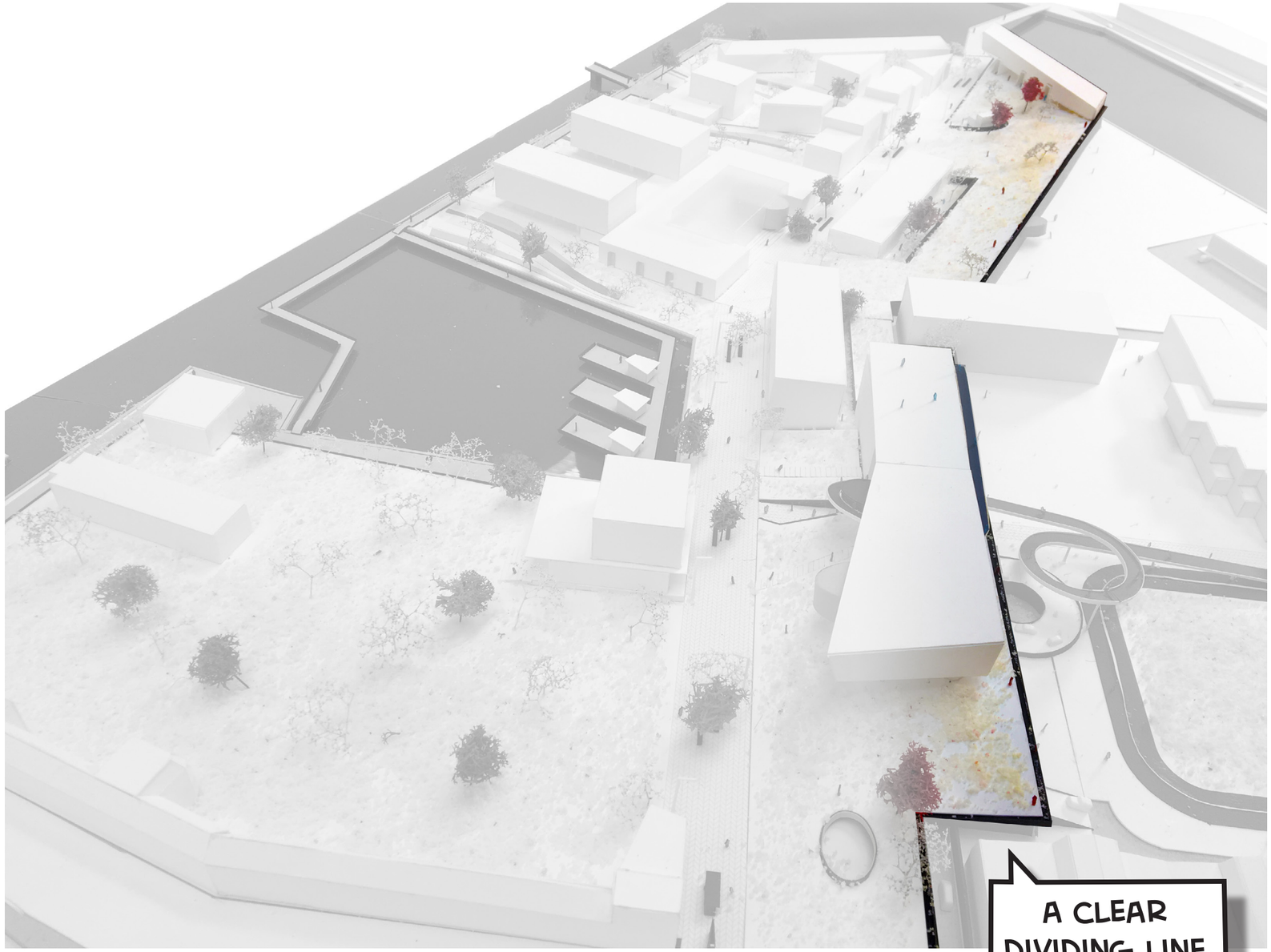

PUBLICLY ACCESSIBLE
0
50m
+8m
NAVY BASE

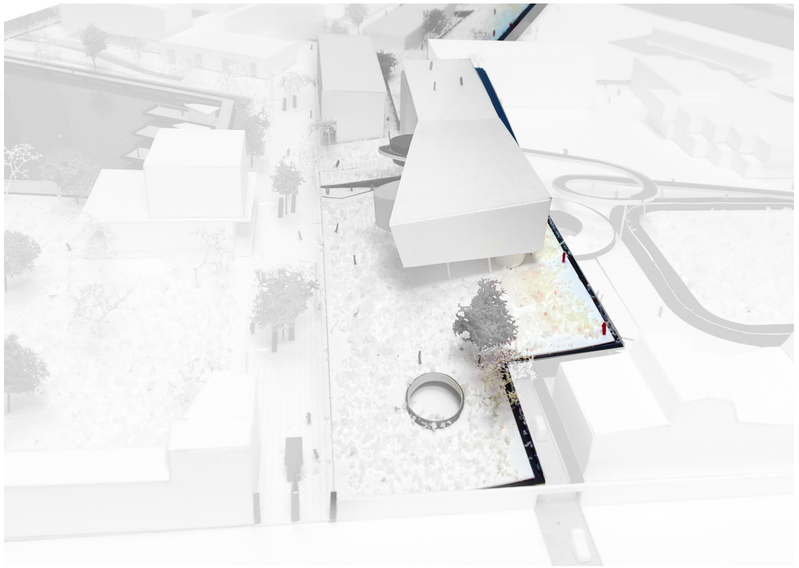
URBAN DESIGN CONCEPT

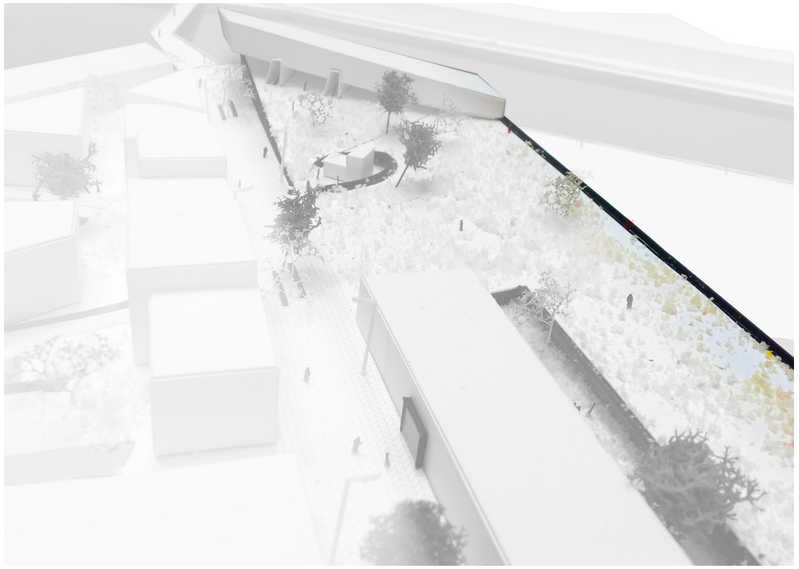


EDGE OF THE SLOPING SURFACE

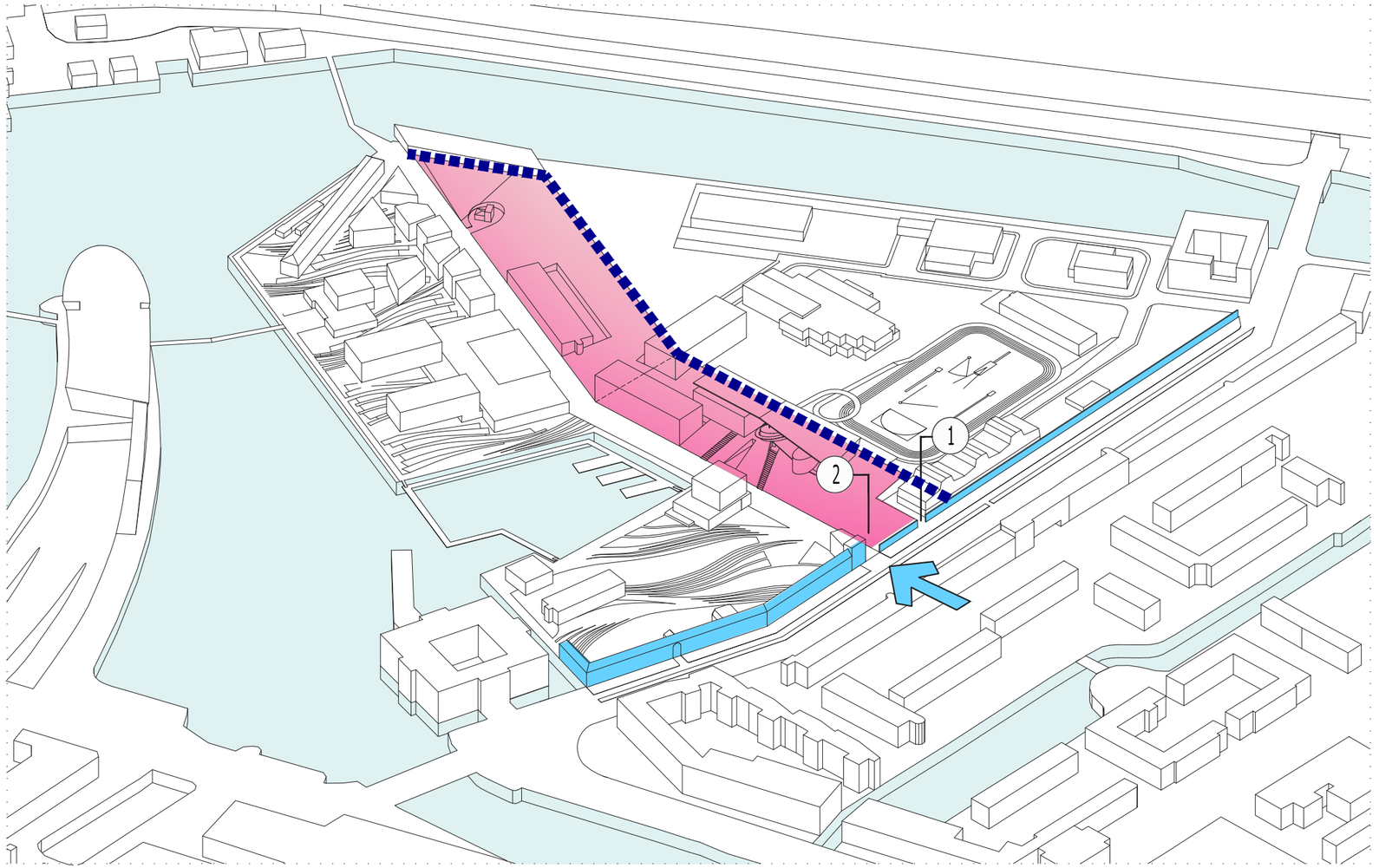
THE TOP EDGE OF THE SLOPING SURFACE MARKS THE CLEAR DIVIDING LINE BETWEEN CIVILIANS AND THE MARINES.


A CLEAR
DIVIDING LINE





URBAN DESIGN CONCEPT



MAIN ENTRANCE / VEHICLE FREE AREA

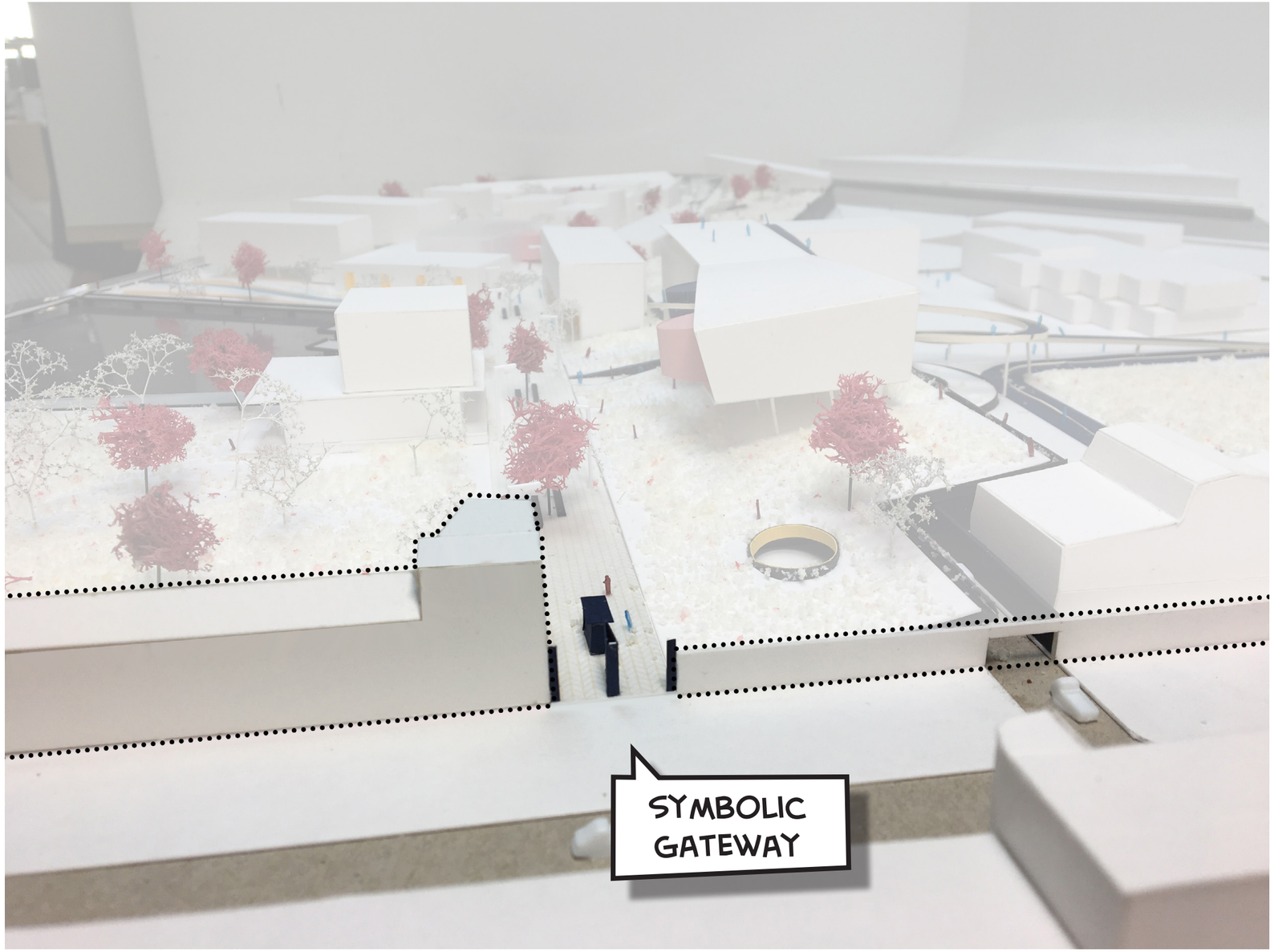
AT THE POINT WHERE THE HISTORIC MARINE WALL AND THE HISTORIC LINEAR BUILDING MEET, THE MAIN ENTRANCE OF THE PROJECT IS PROPOSED, MAINLY MAINTING THE EXISTING ONE.
THE ENTRANCE OF THE MARINES IS MOVED TO ANOTHER LOCATION.

1 VEHICLE ACCESS

UNDERNEATH THE SLOPING SURFAC A CAR PARKING IS LOCATED AS TO ELIMINATE THE MOVEMENT OF VEHICLES.

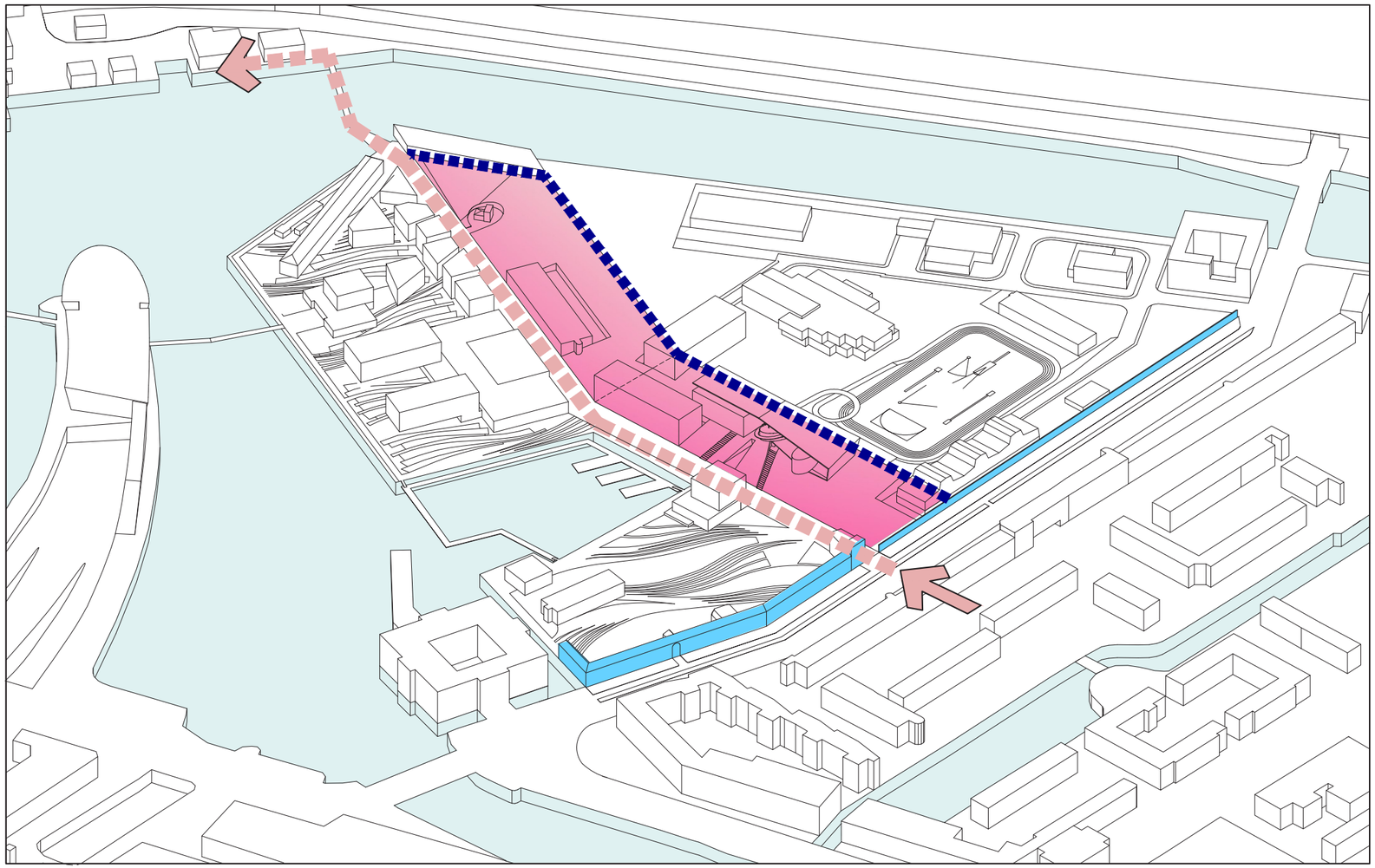
2 PEDESTRIAN & CYCLISTS ACCESS

ACCESS TO THE PROJECT IS LIMITE TO ONLY PEDESTRIANS AND CYCLISTS.


SYMBOLIC
GATEWAY

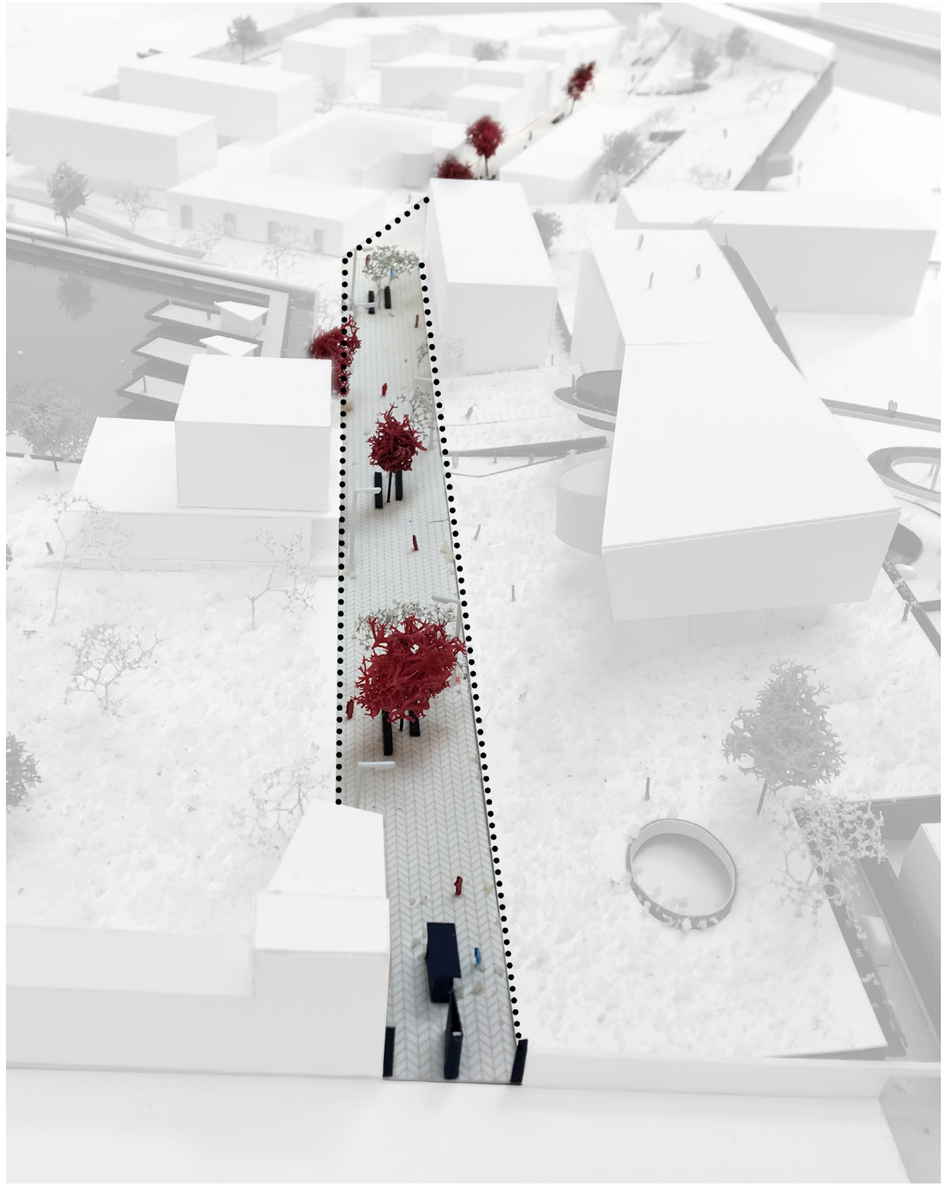


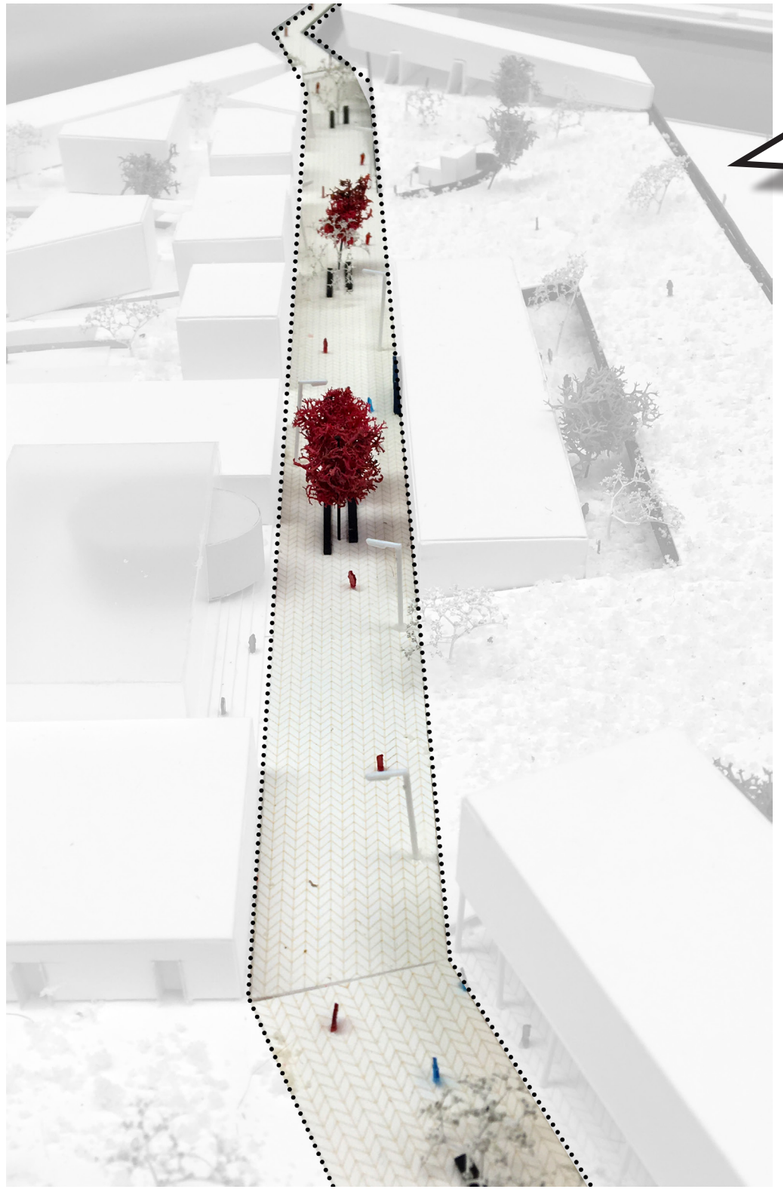
URBAN DESIGN CONCEPT



THE BOULEVARD

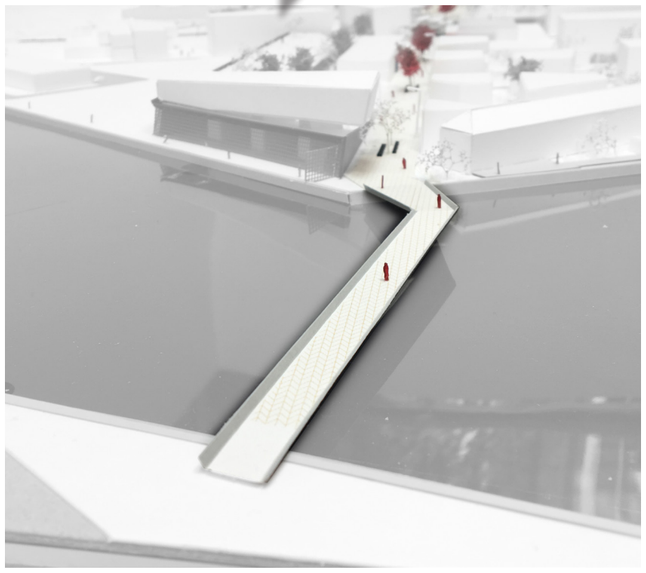
FROM THE POINT OF ENTRANCE A CENTRAL PEDESTRIAN BOULEVARD IS CREATED FOLLOWING THE BASE OF THE SLOPING SURFACE LEADING TO THE A PEDESTRIAN BRIDGE PROVIDING URBAN CONTRIBUTION. ON THIS BOULEVARD MAINLY ALL BUILDINGS AND ACTIVITIES REFER TO.



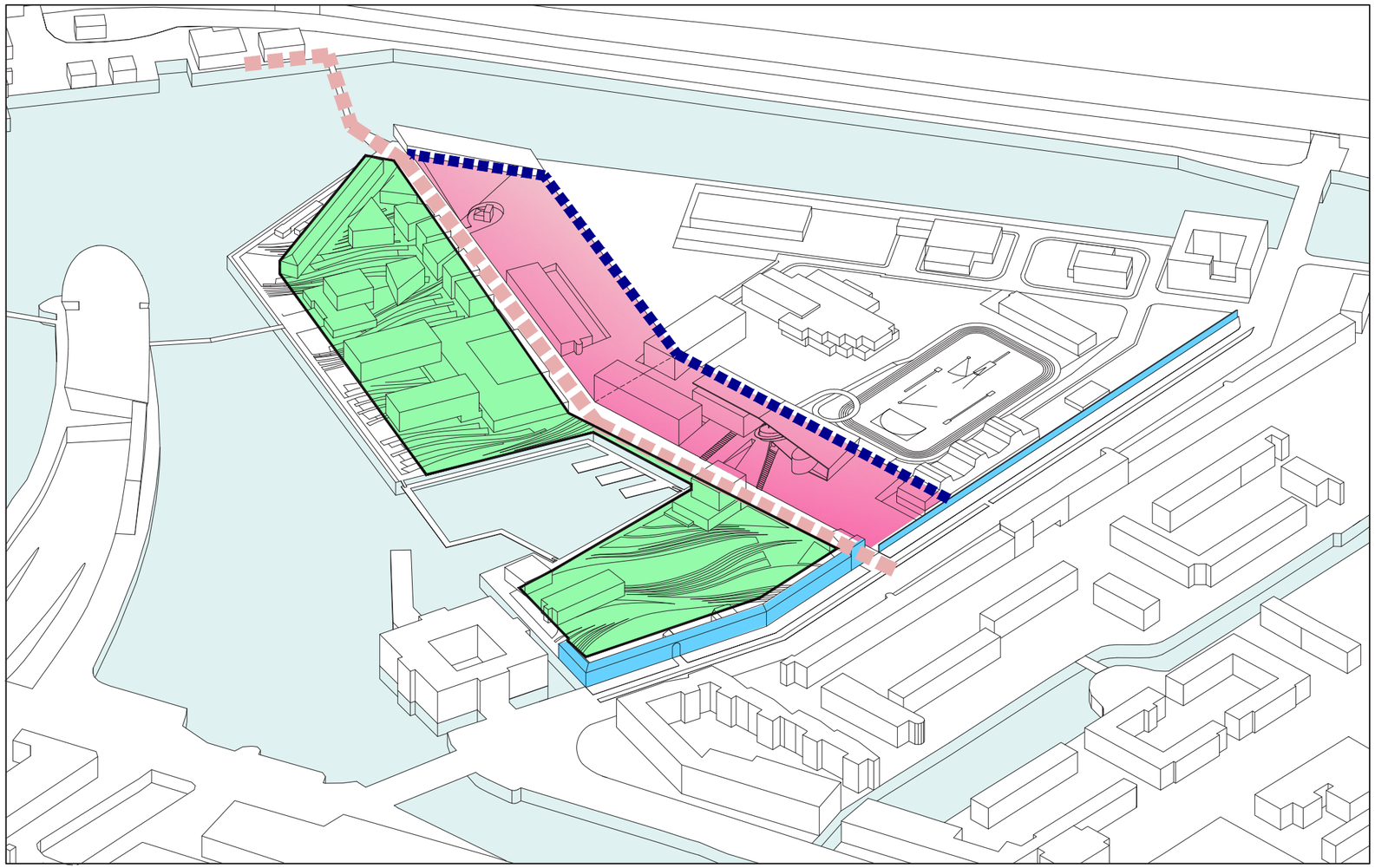


MAIN SPINE LINE PROVIDING SENSE OF DIRECTIONALITY

... AND URBAN DISTRIBUTION

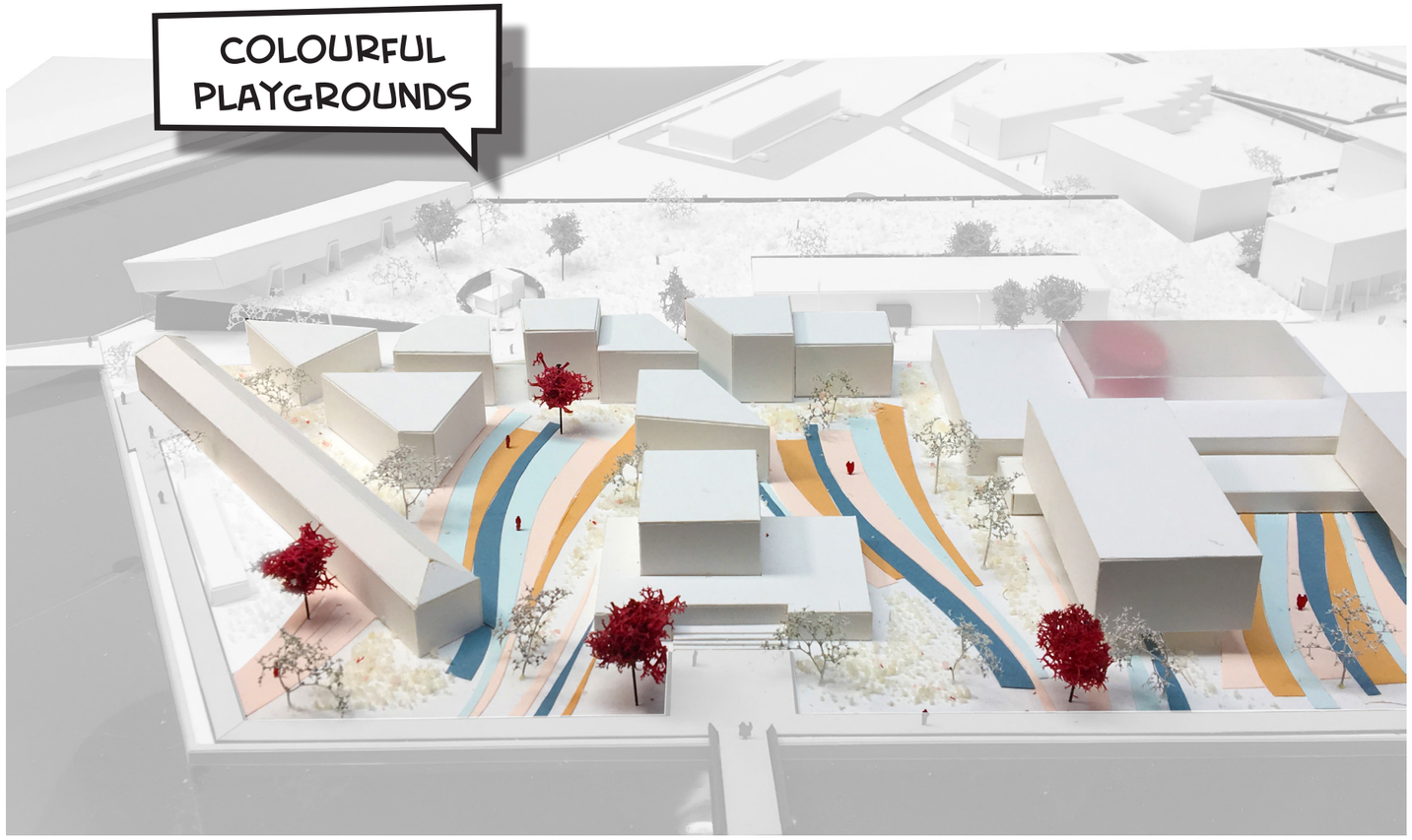


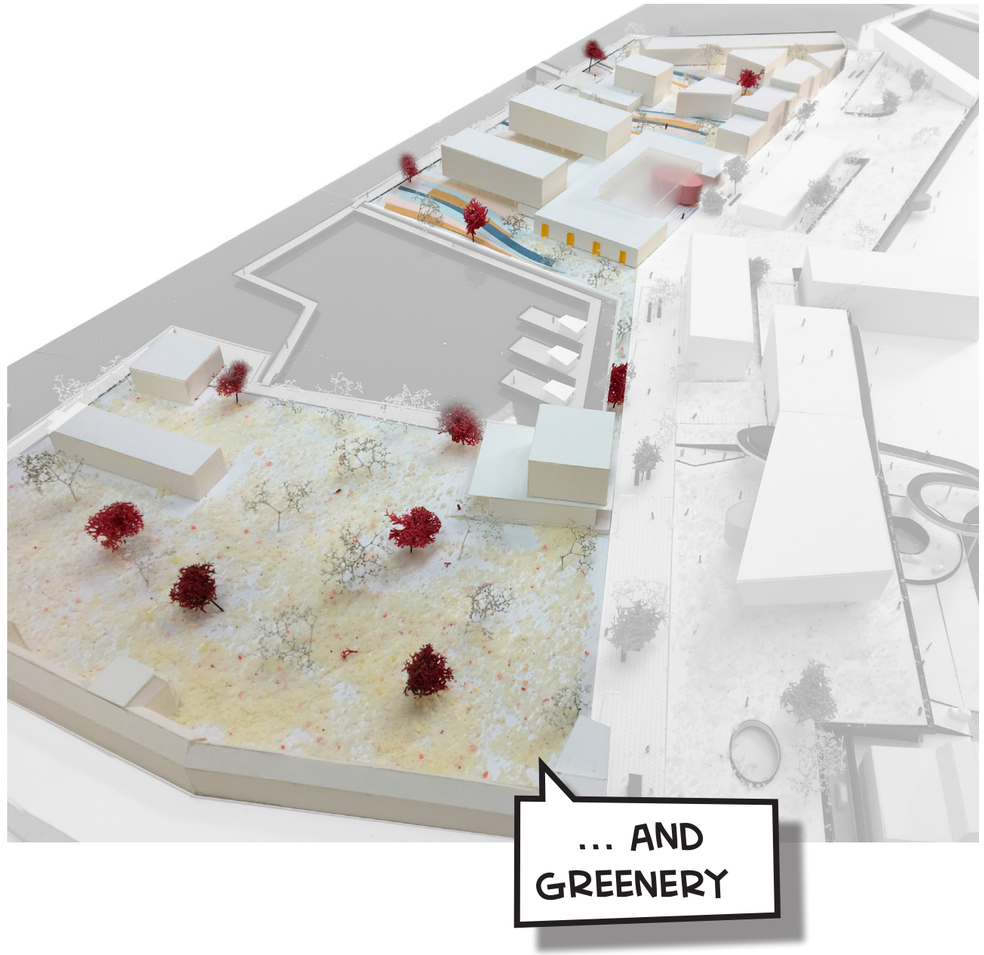
URBAN DESIGN CONCEPT



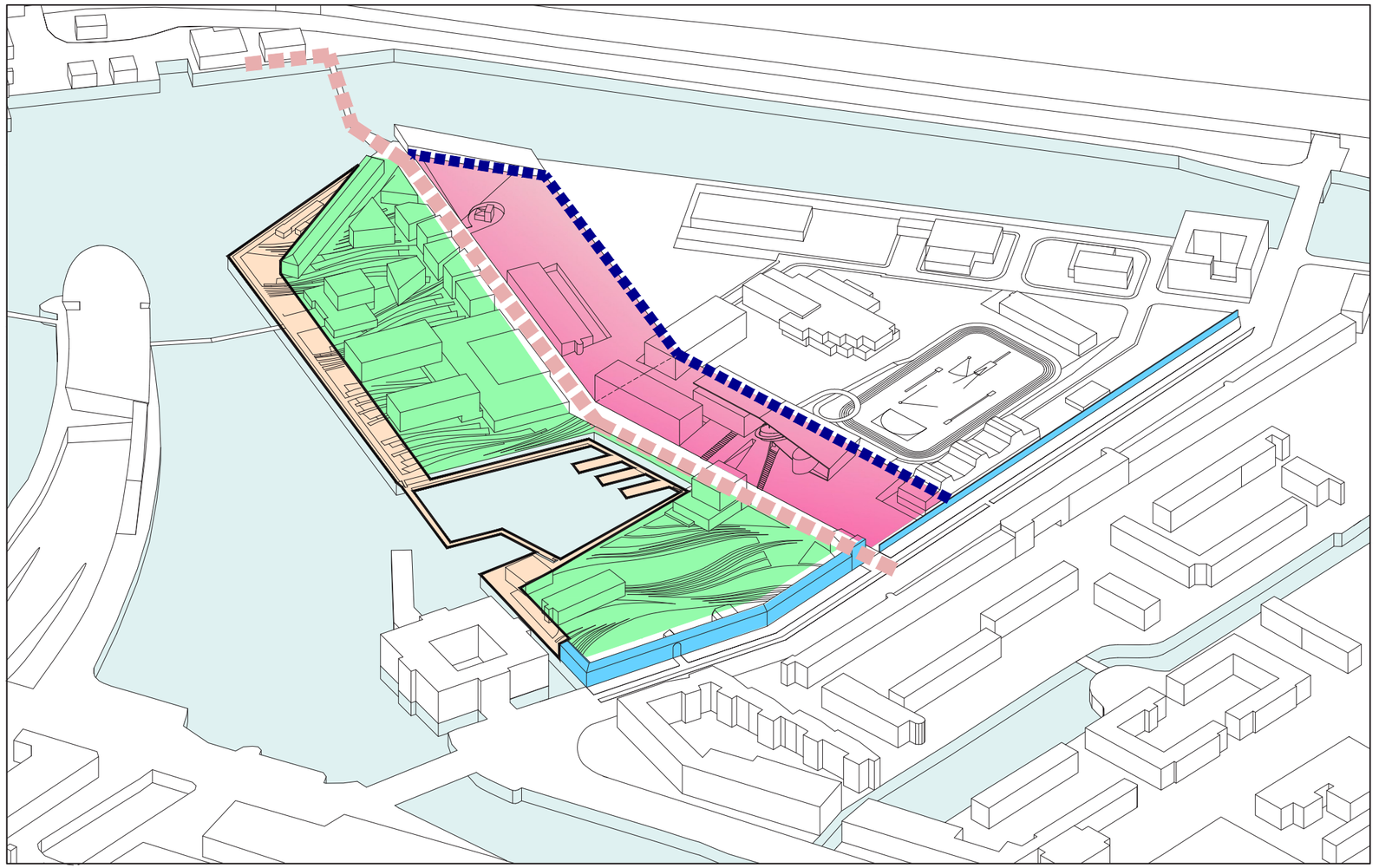
INTERMEDIATE ZONE

THE INTERMEDIATE ZONE WORKS AS A GRADUAL TRANSITION FROM THE MORE BUSY WATERFRONT TOWARDS THE MAIN PEDESTRIAN SPINE.
IT CONTAINS EXISTING AND NEW BUILDINGS THAT TAKE NEW USES (RESIDENTIAL, INNOVATING FACILITIES AND ENTERTAIMENT).


COLOURFUL
PLAYGROUNDS

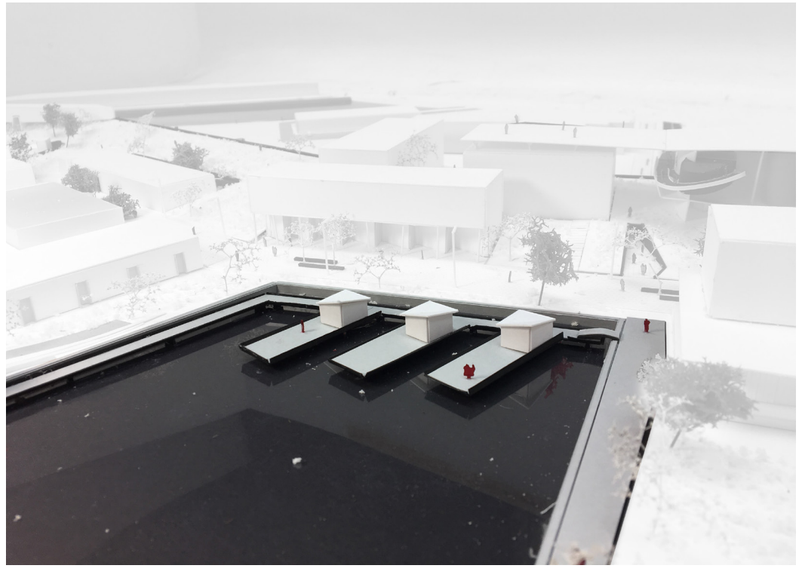

... AND
GREENERY

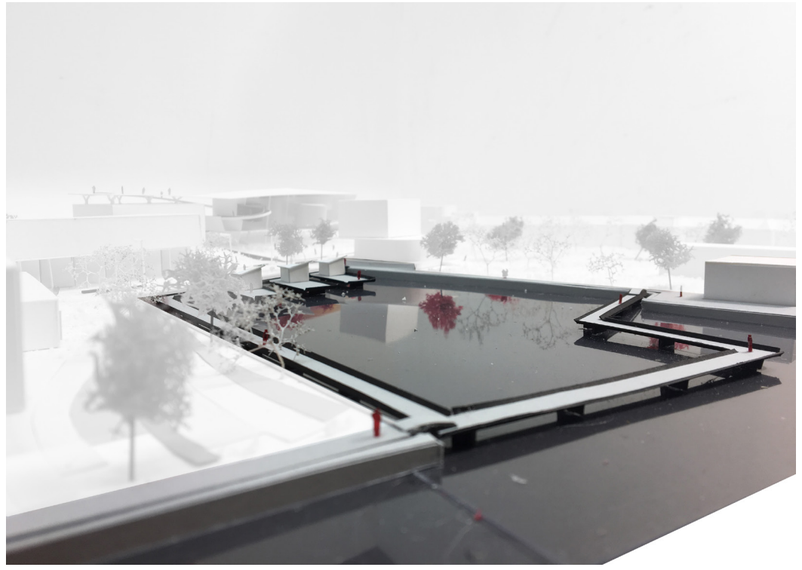
URBAN DESIGN CONCEPT

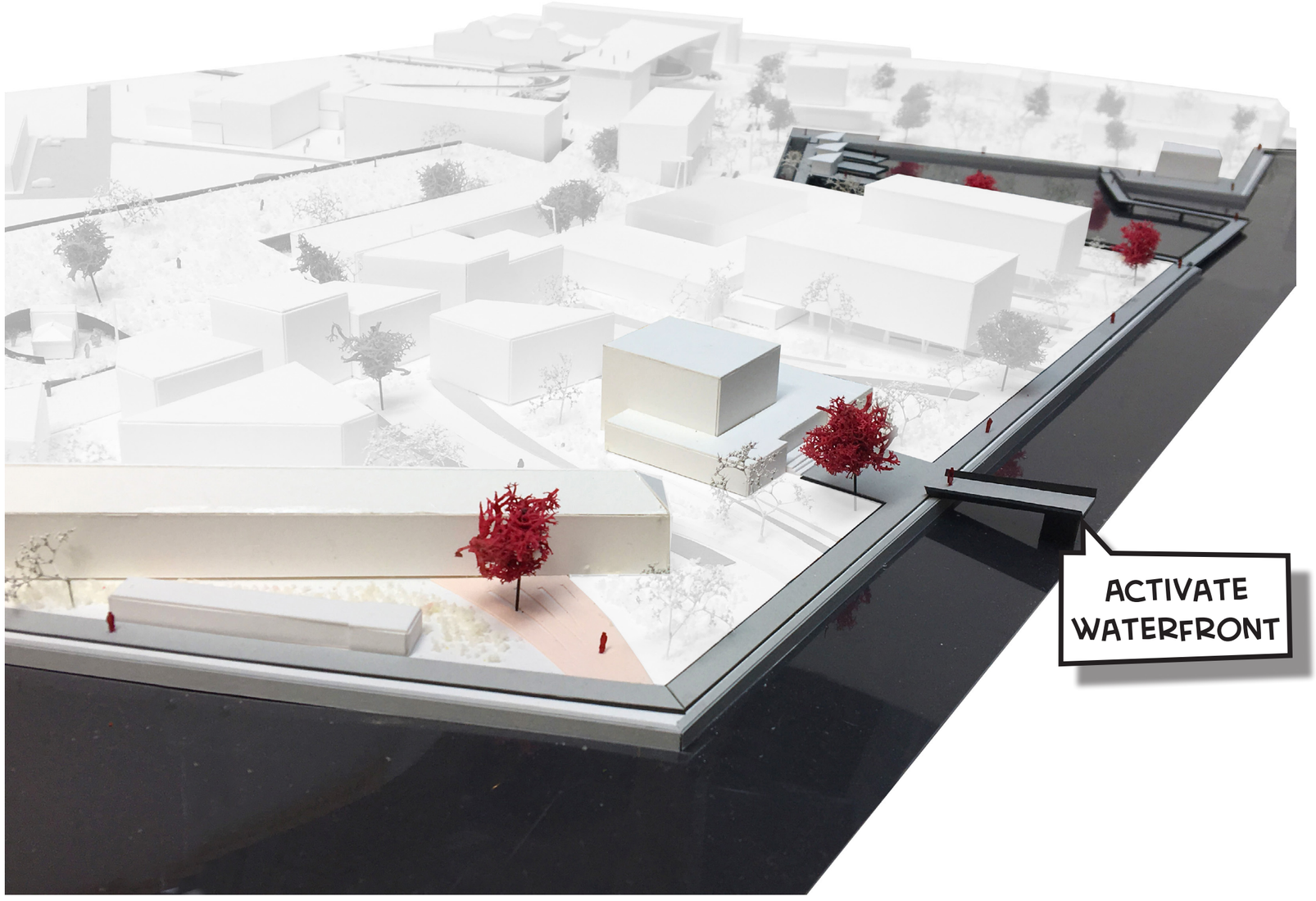


WATERFRONT ZONE

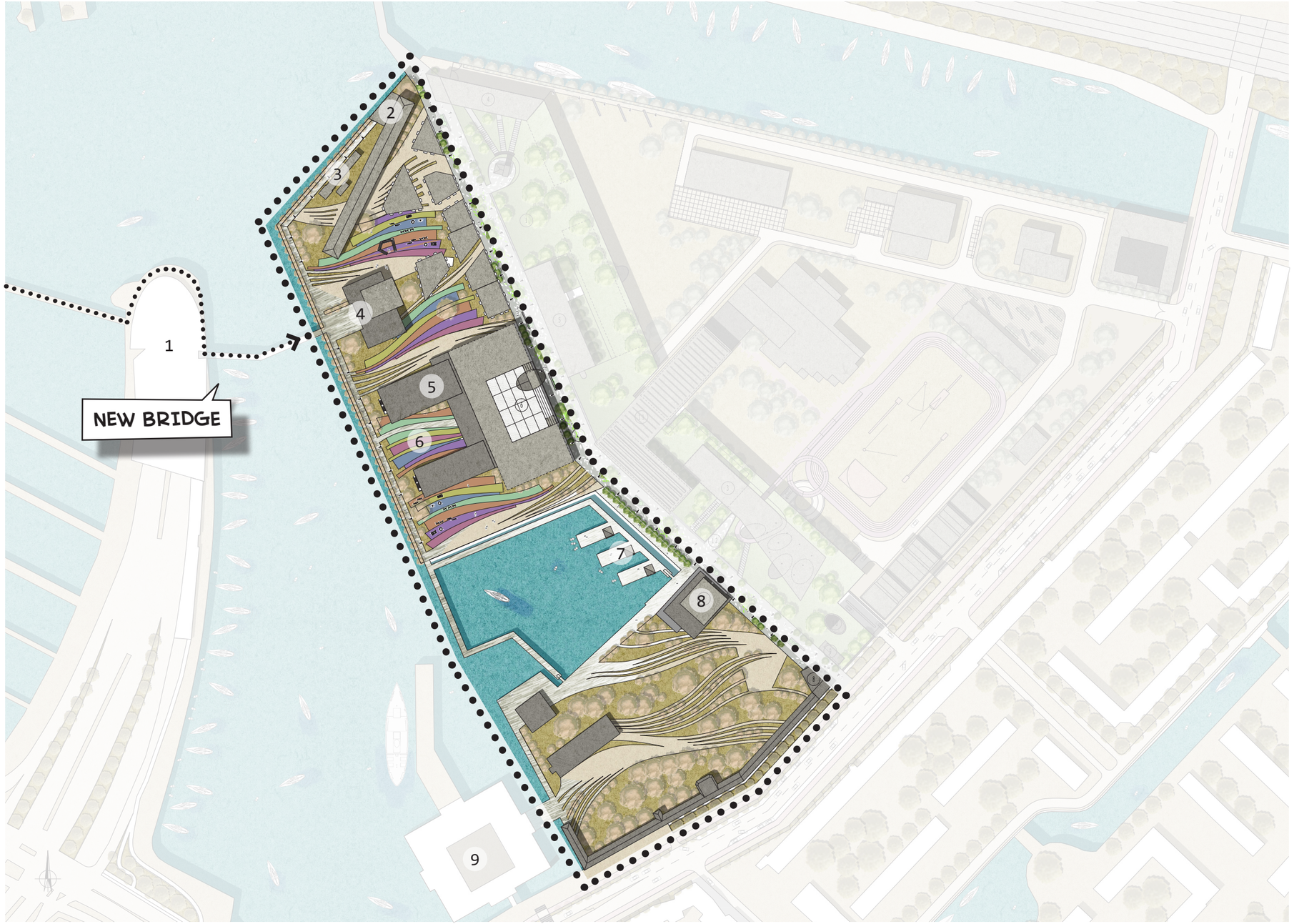
THE EDGE ZONE ALONG THE WATERFRONT REMAINS OPEN TO BE USED FROM TOURISTS.
BEYOND THIS ZONE TOURISTS ARE NOT ENCOURAGED TO VISIT.



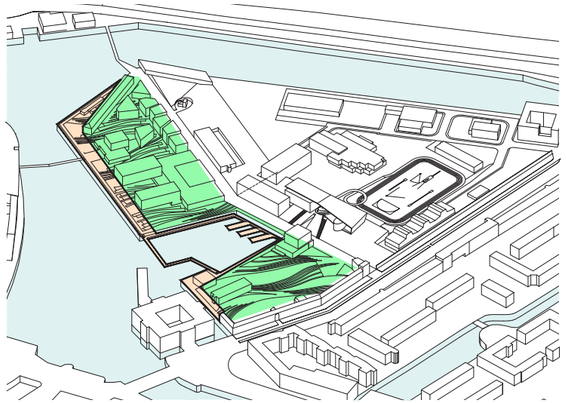


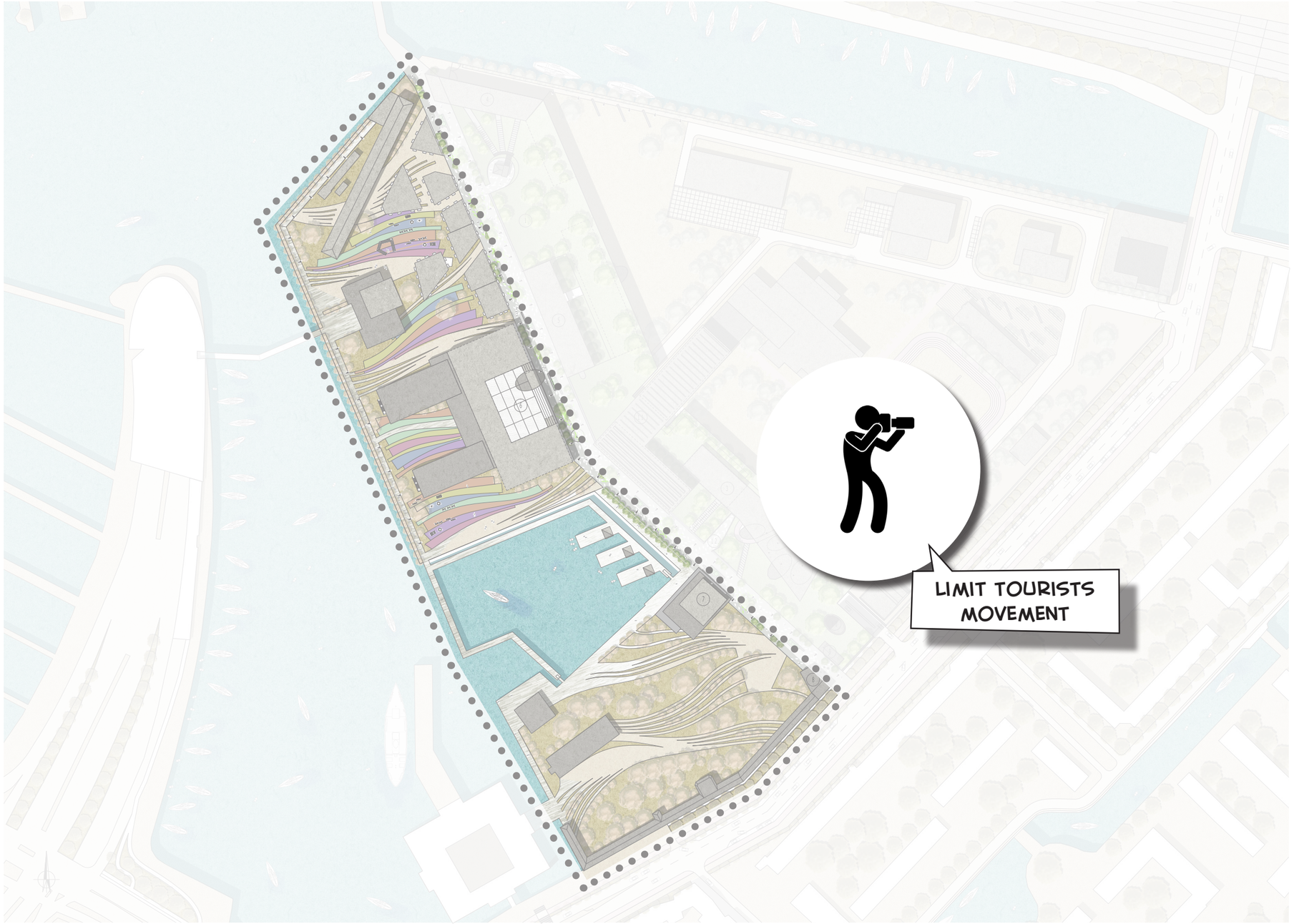

ACTIVATE
WATERFRONT

WATERFRONT & INTERMEDIATE ZONES



1 NEMO MUSEUM
2 SCHEEPSKAMEEL RESTAURANT
3 NIGHTLIFE
4 NEMO STUDIO
5 CLUBHOUSE CAFETERIA
6 PLAYGROUNDS
7 FOOD & BEVERAGE
8 PENSION HOMELAND HOTEL
9 MARITIME MUSEUM





WATERFRONT & INTERMEDIATE ZONES

ON THE WATERFRONT ZONE TOURIST ARE ENCOURAGED TO VISIT AS FACILITIES ARE LOCATED ALONG THIS STRIP.

THE INTERMEDIATE ZONE ACTS AS A GRADUAL TRANSITION BETWEEN THE BUSY WATERFRONT AND THE REMAINING AREA WHERE TOURISTS ARE UNWANTED.

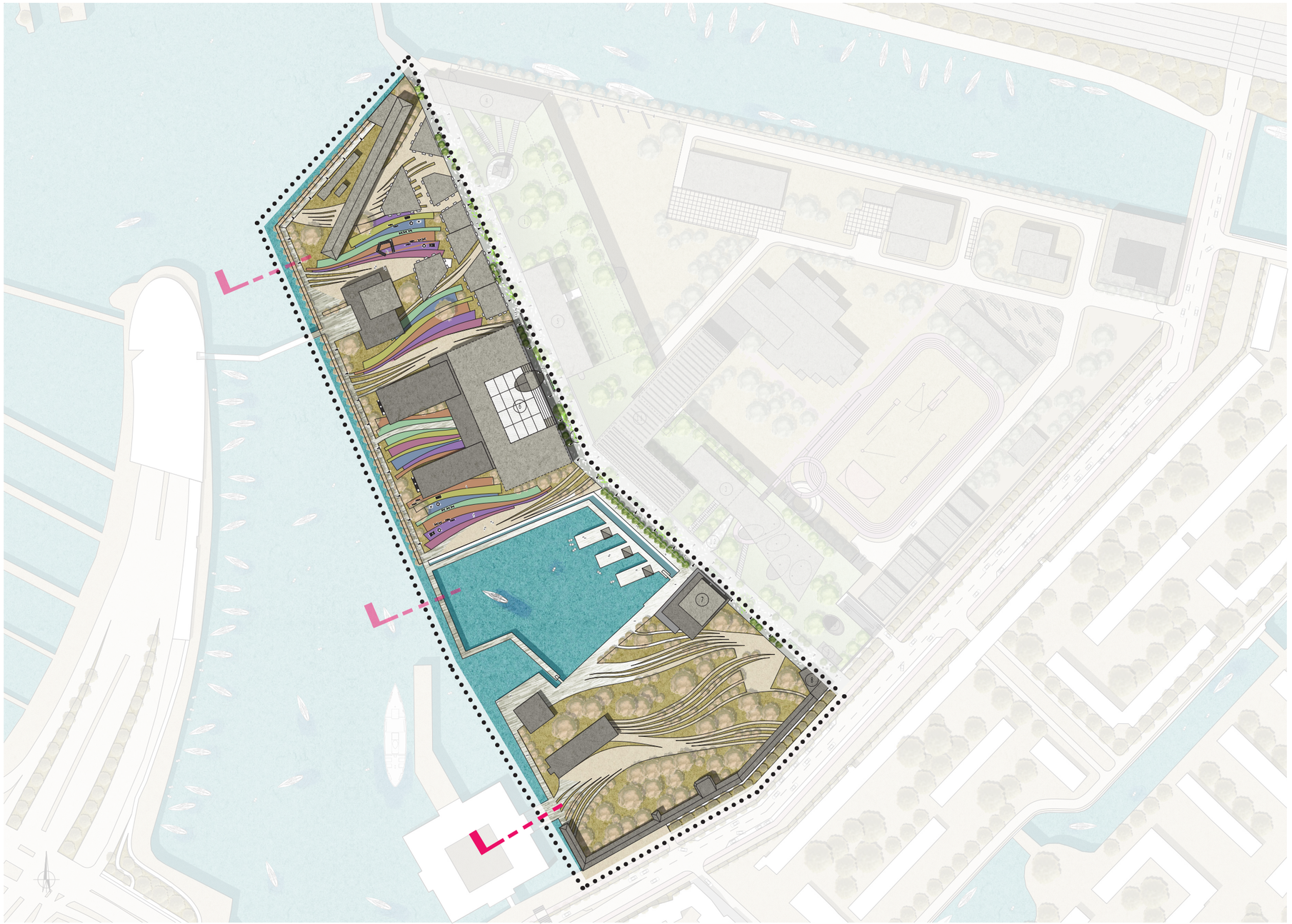
IN THIS INTERMEDIATE ZONE, THE TOURISTS ARE LESS LIKELY TO CIRCULATE.

WATERFRONT ZONE



- A STRUCTURED PLANTING
- B PAVING DEFINES AREA OF INFLUENCE
- C ADEQUATE LIGHTING (15M APART)
- D VISUAL PERMEABILITY
- E LIVELY EYE-LEVEL FACADE
- F RELOCATED HOTEL ACCESS

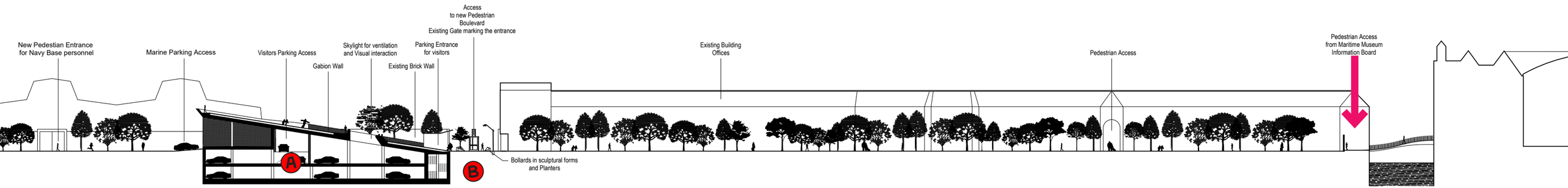
WATERFRONT & INTERMEDIATE ZONES



WATERFRONT & INTERMEDIATE ZONES

A PEDESTRIAN / VEHICLE HIERARCHY

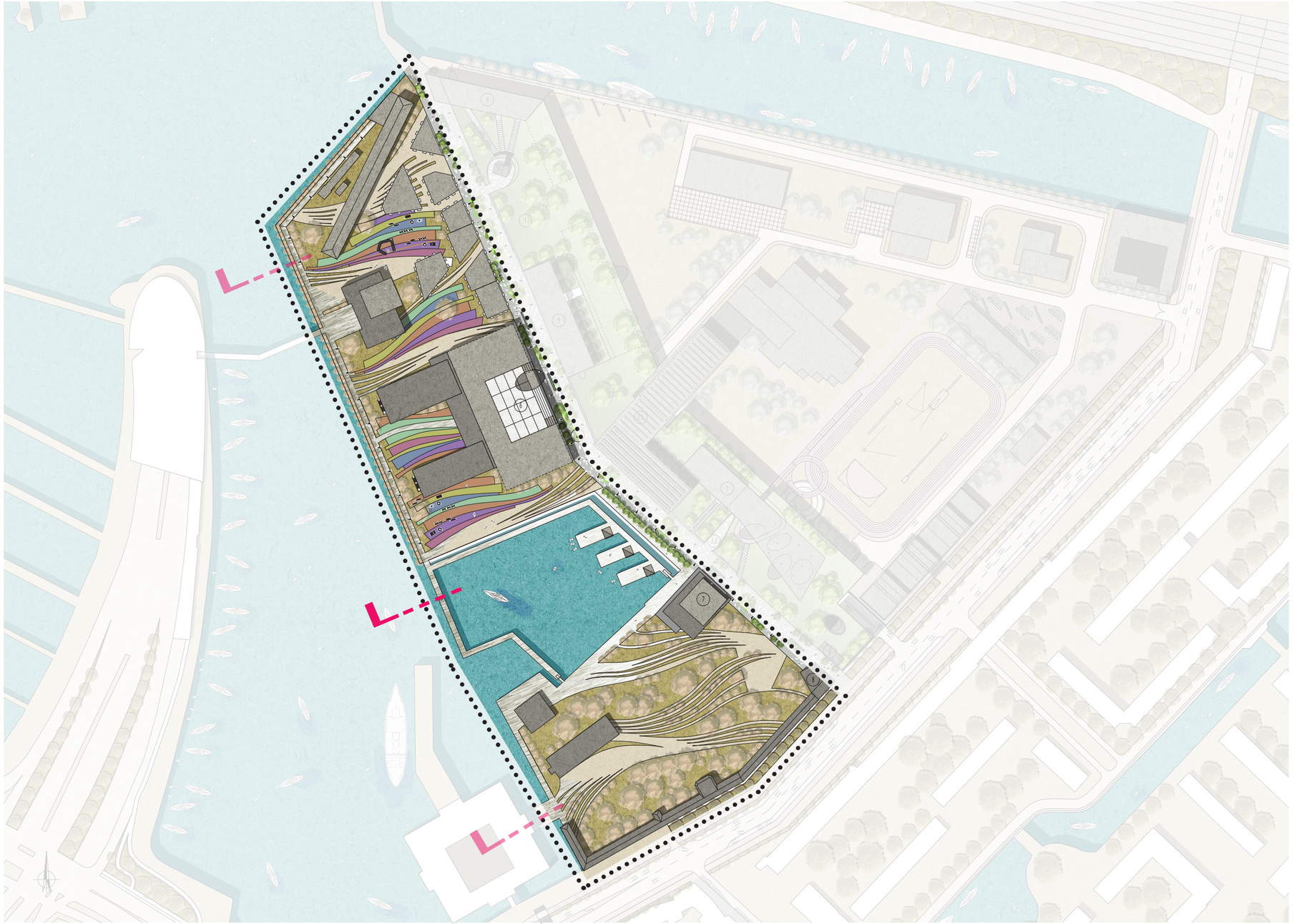
B VEHICLE HOSTILE MITIGATION



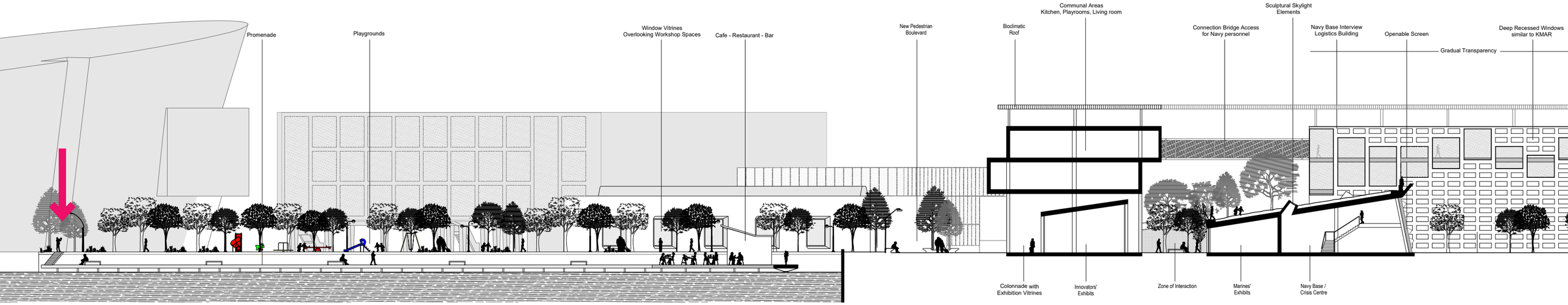



GREENERY CONTINUES INTO THE HORIZON ...

WATERFRONT & INTERMEDIATE ZONES



WATERFRONT & INTERMEDIATE ZONES



PROMENADE

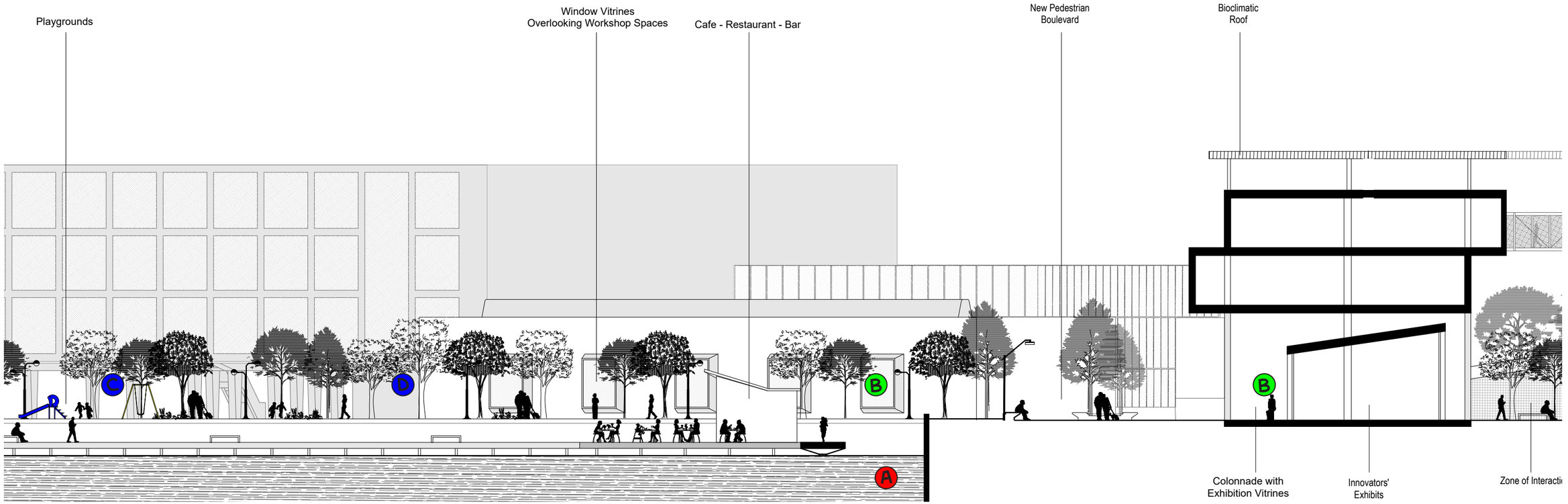
BOULEVARD

BUFFER

NAVY

WATERFRONT & INTERMEDIATE ZONES

A WATER AS PHYSICAL BARRIER
B LIVELY EYE-LEVEL FACADE
C GATHERING AREAS UNDER SURVEILLANCE
D VISUAL PERMEABILITY





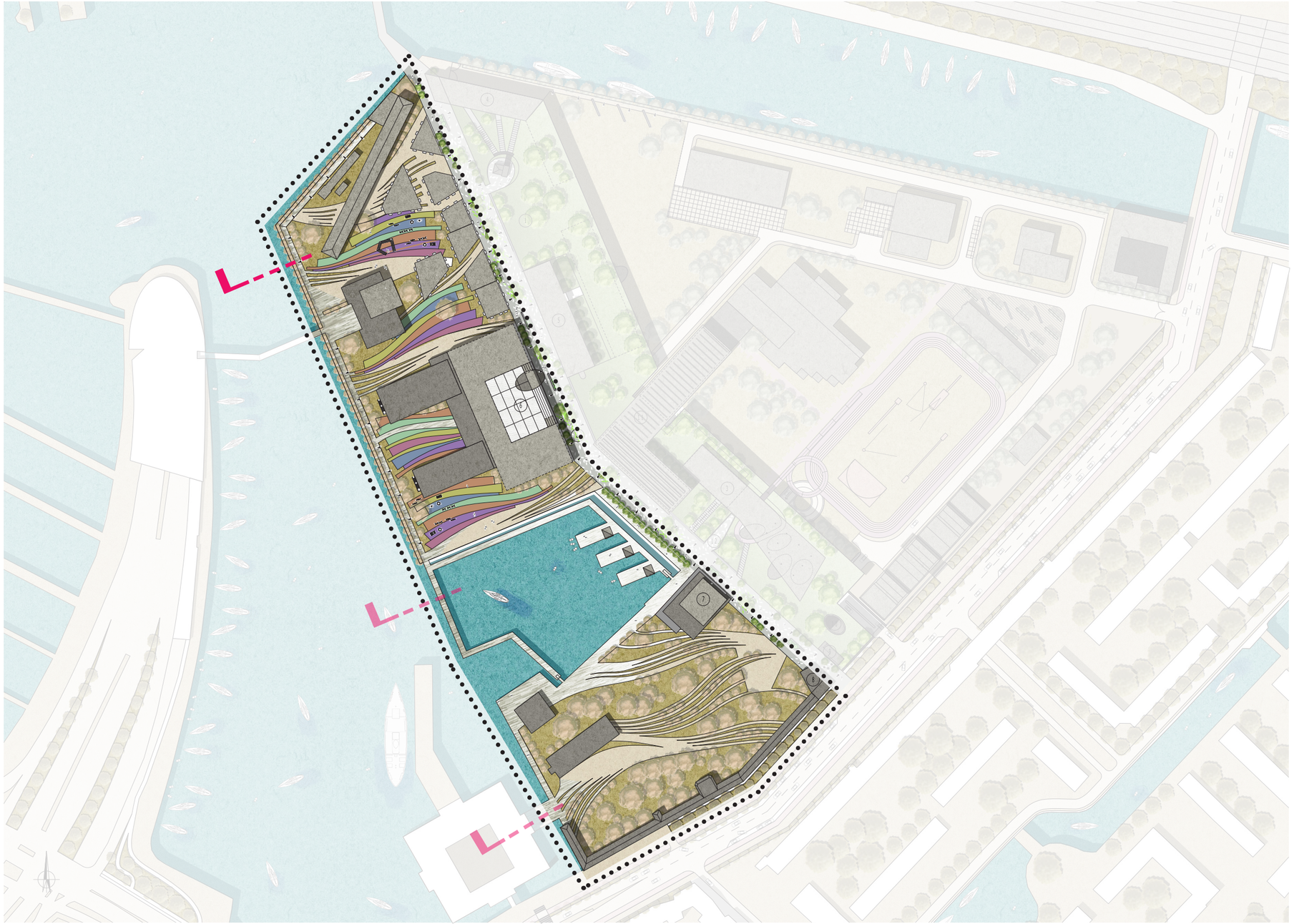
BOULEVARD

EXHIBITS ARCADE

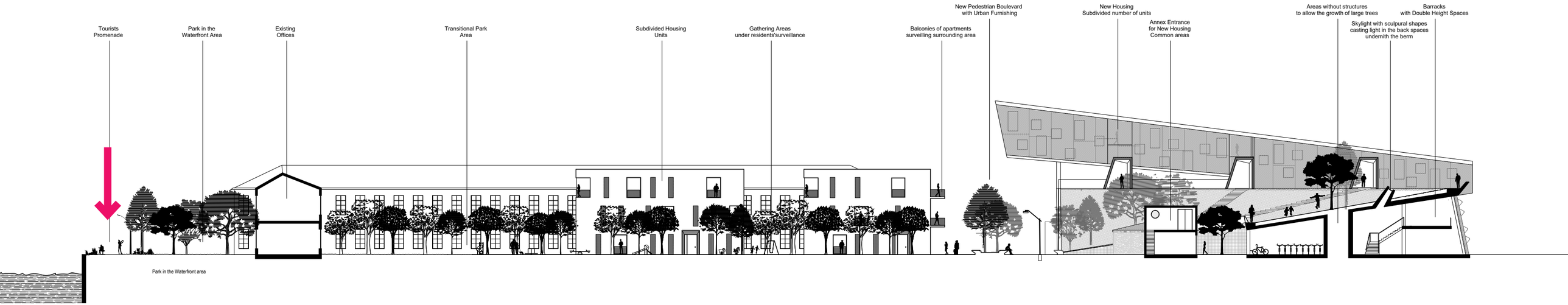


LIVELY EYE-LEVEL IMPARTS SENSE OF SAFETY

WATERFRONT & INTERMEDIATE ZONES



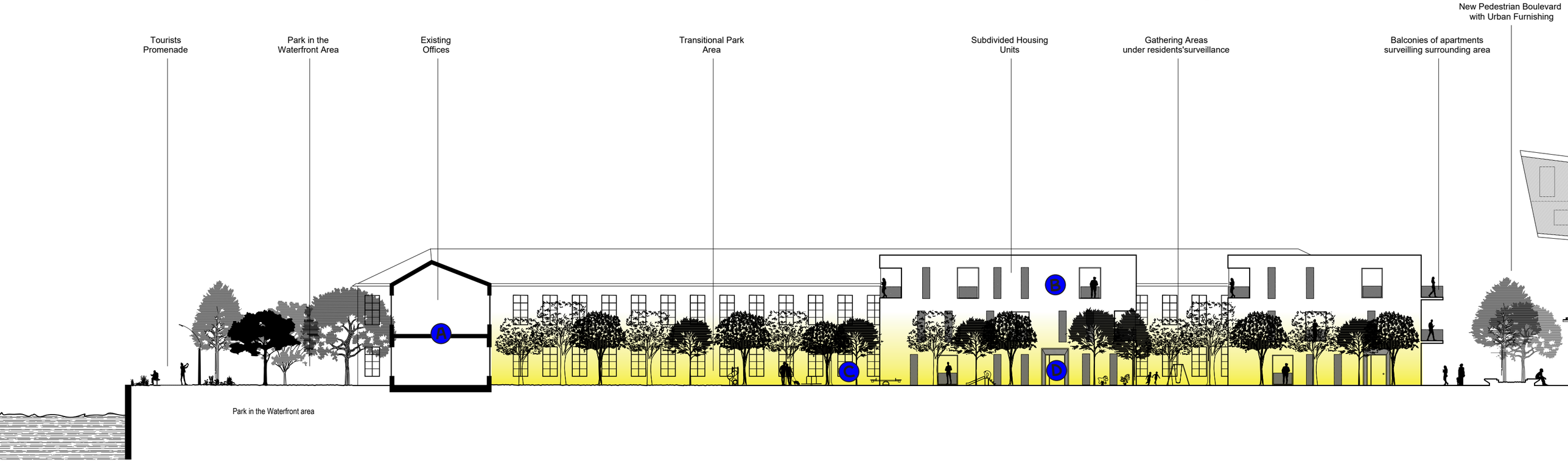
WATERFRONT & INTERMEDIATE ZONES



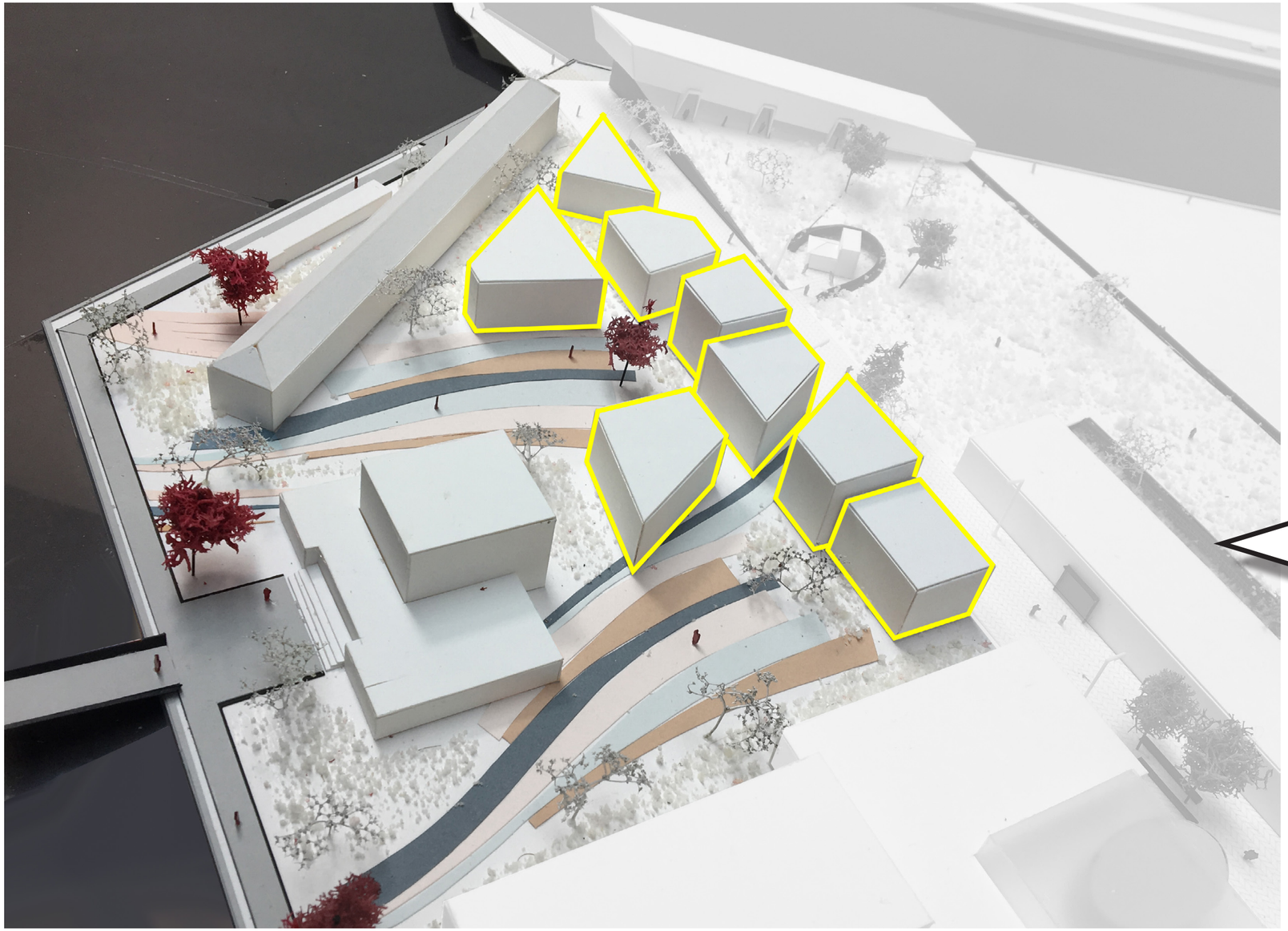
PROMENADE | WORKING | PLAYGROUNDS & HOUSING | BOULEVARD | BUFFER

WATERFRONT & INTERMEDIATE ZONES

- A SCHEDULING OF SPACE
- B VISIBLY ACTIVE INDOOR AREAS
- C GATHERING AREAS UNDER SURVEILLANCE
- D VISUAL PERMEABILITY



PROMENADE | WORKING | PLAYGROUNDS & HOUSING | BOULEVARD

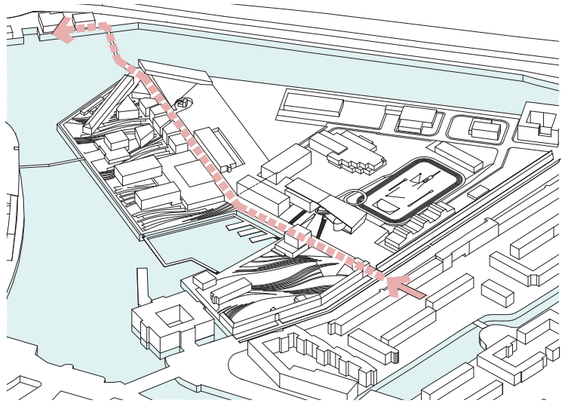


SENSE OF TERRITORIALITY AND NATURAL SURVEILLANCE

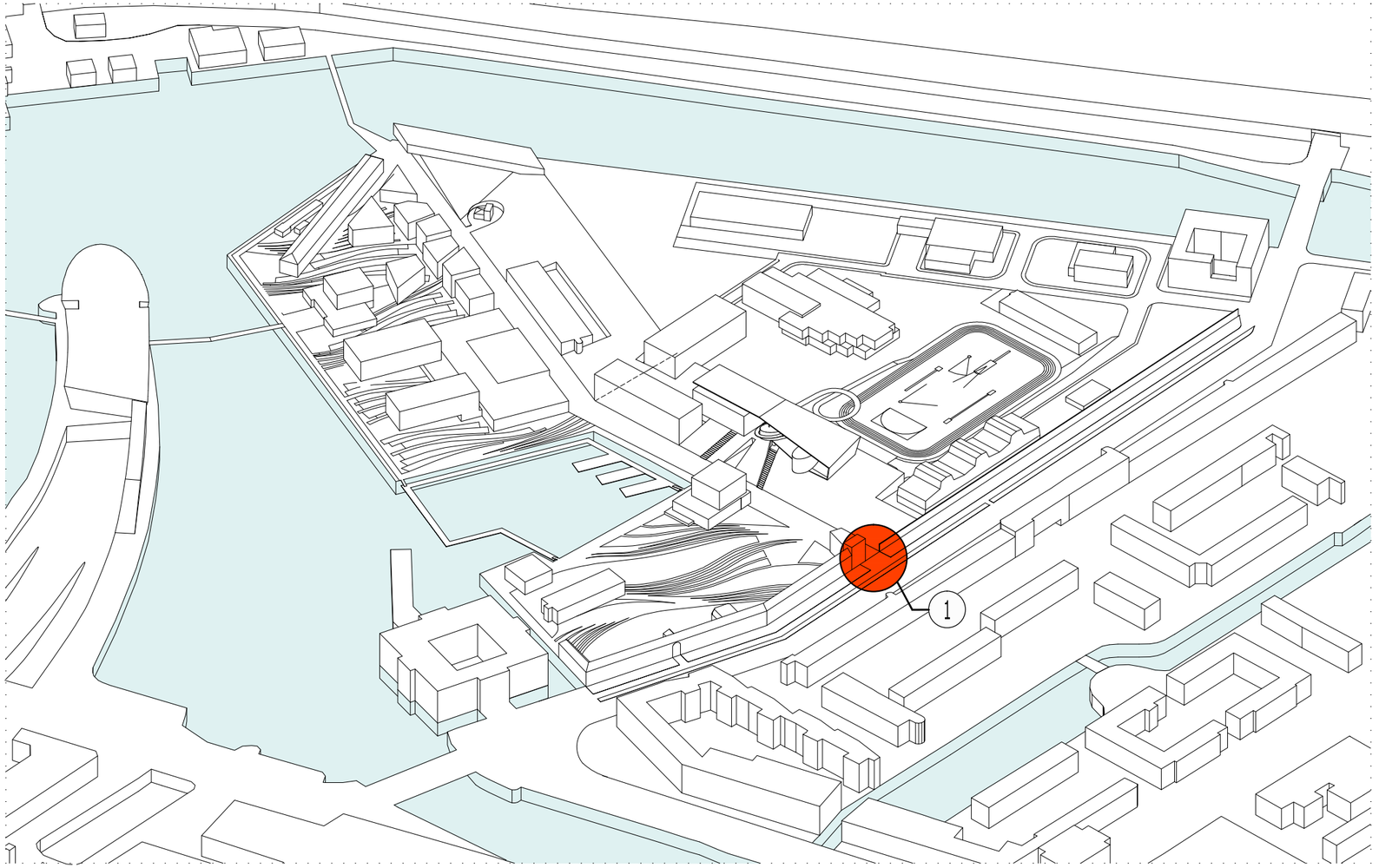
BOULEVARD ZONE

THE CENTRAL PEDESTRIAN BOULEVARD AT THE BASE OF THE SLOPING SURFACE STARTS FROM THE POINT WHERE THE HISTORIC WALL AND HISTORIC LINEAR BUILDING MEET AND LEADS TO THE EXISTING PEDESTRIAN BRIDGE.

ON THIS BOULEVARD A SEQUENCE OF EVENTS IS UNFOLDING.



SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



1

MAIN ENTRANCE WITH A SENCE OF DIRECTION AND CLEAR ORIENTATION



Gate and guardhouse represent duties and responsibilities

Remnants of a forgotten routine

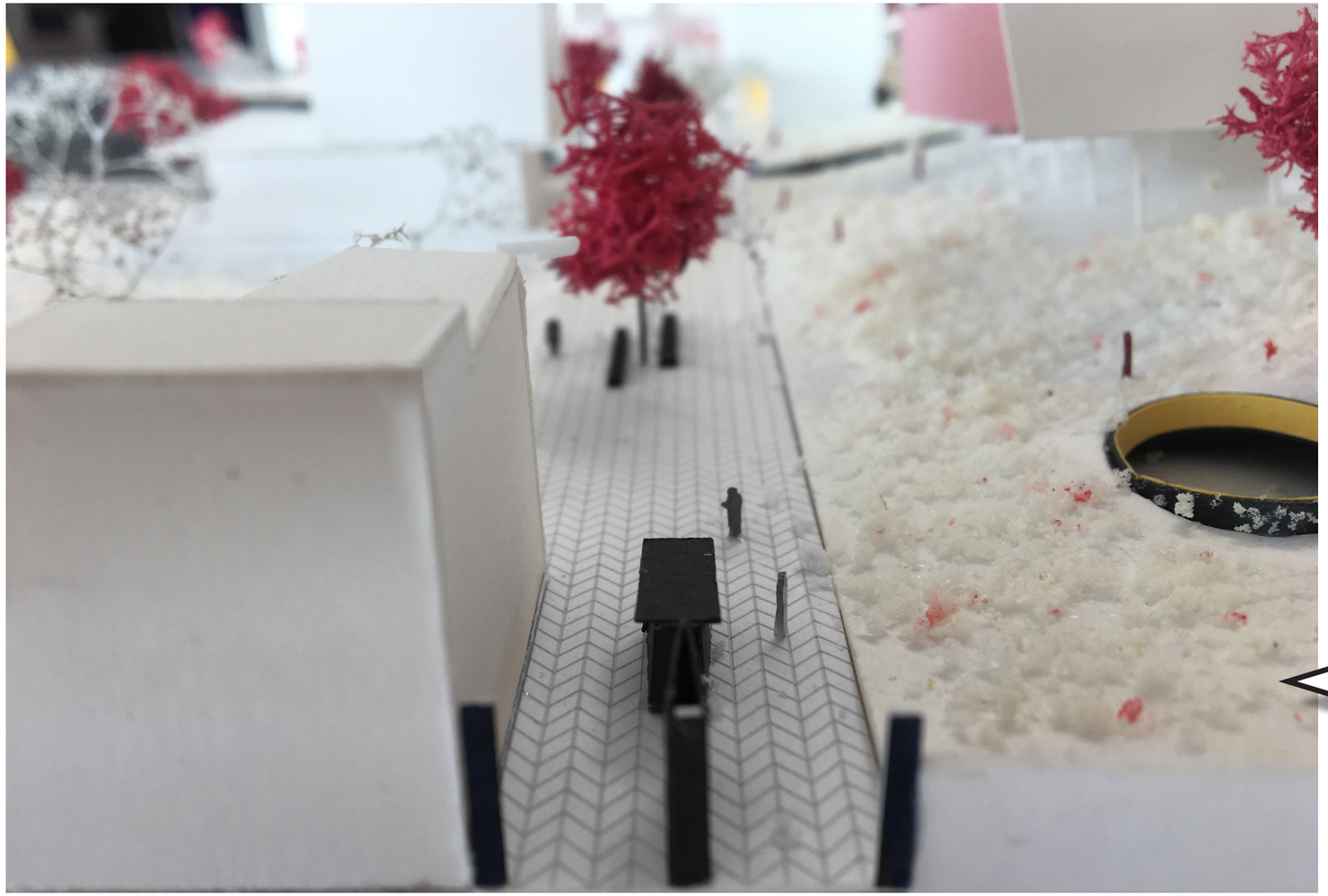
Every military complex has a guard tasked with inspecting all people and objects that enter and exit it. This is an important post that cannot be abandoned. Guardhouses, like the one at the Marineterrein's blue gate, were therefore built to make this task a little more pleasant. The small guardhouse between the barrier gates is part of the gate and guardhouse designed by architecture firm Benthem Crouwel in the early 1980s.

An important post that cannot be abandoned

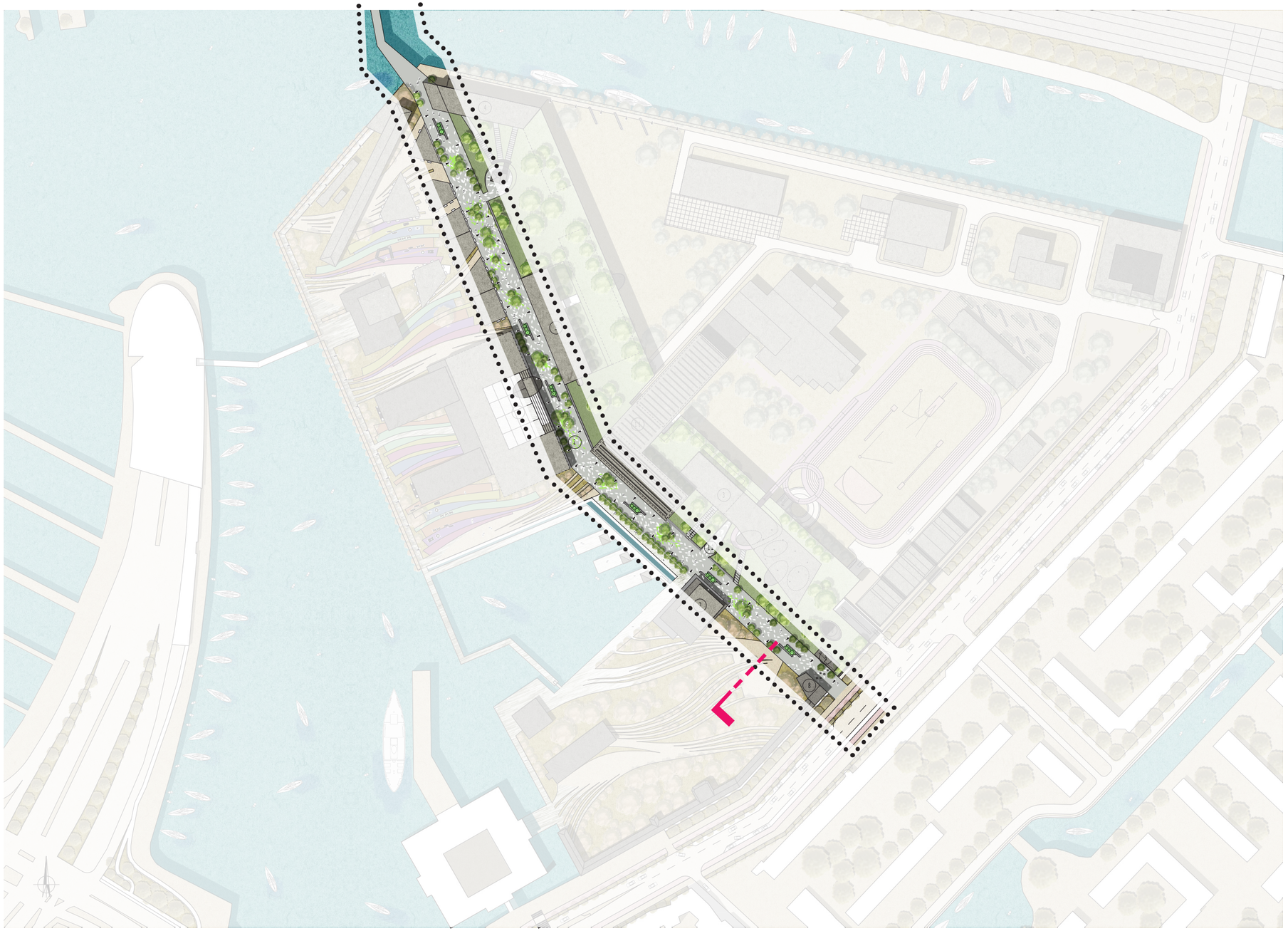
It now serves a different role, namely, as a small information centre, due in part to some of the Marineterrein being opened to the public. Here you can find announcements (some quite playful) for various activities. The current example (screwed onto the ground and therefore theoretically moveable) was not designed by Benthem Crouwel, but was delivered by Falco based in Vriezenveen. Originally a manufacturer of transport equipment, the company later transitioned to bicycle racks, bicycle storage, and guardhouses.

But not all things change. The large gate behind the house features hydraulic technology to make sure it can be opened and closed quickly in the event of an emergency. It is still regularly checked by Lloyd's Register Stoomwezen, an agency that has been responsible for inspecting and approving pressurized devices since 1855. Other than a handful of Ministry of Defence personnel, they are the only ones who know how to open and close the doors. ◆

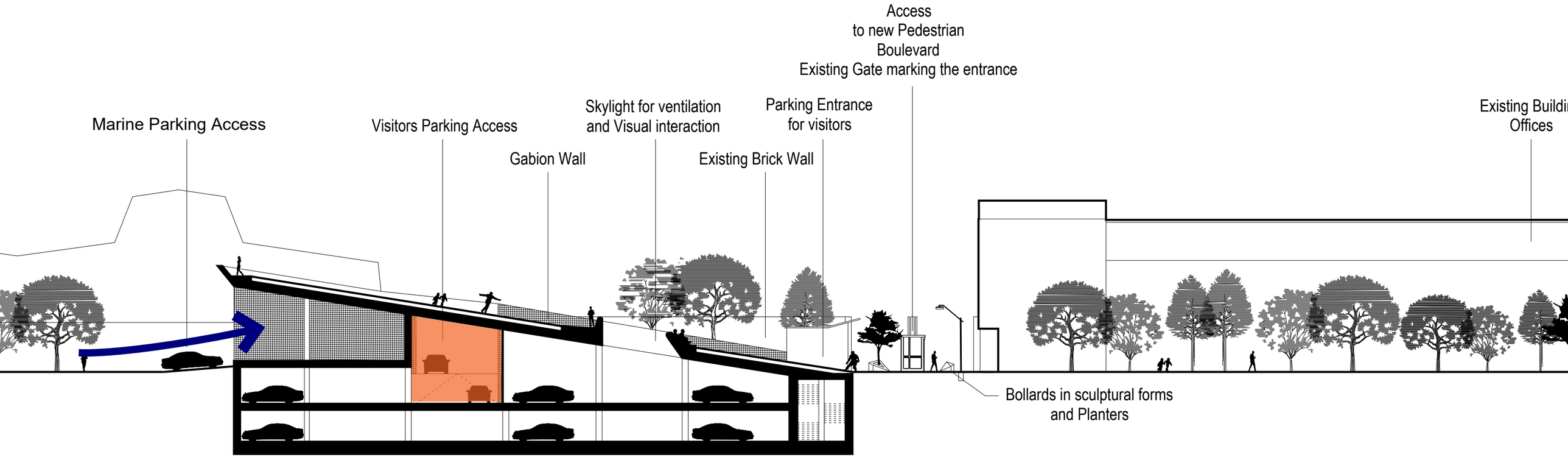
A SYMBOLIC GATEWAY



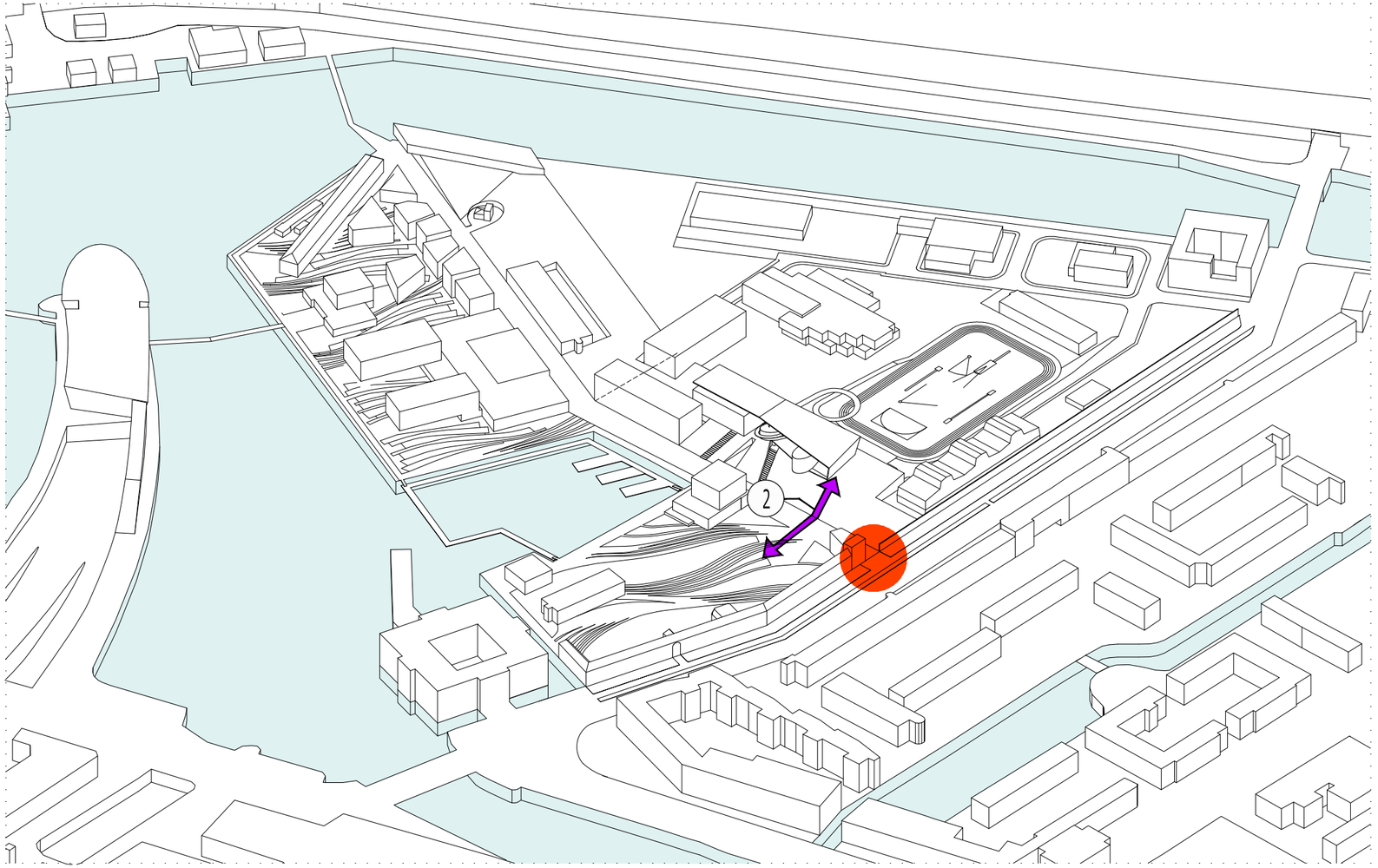
HOMOGENEOUS
PAVING MATERIAL



SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

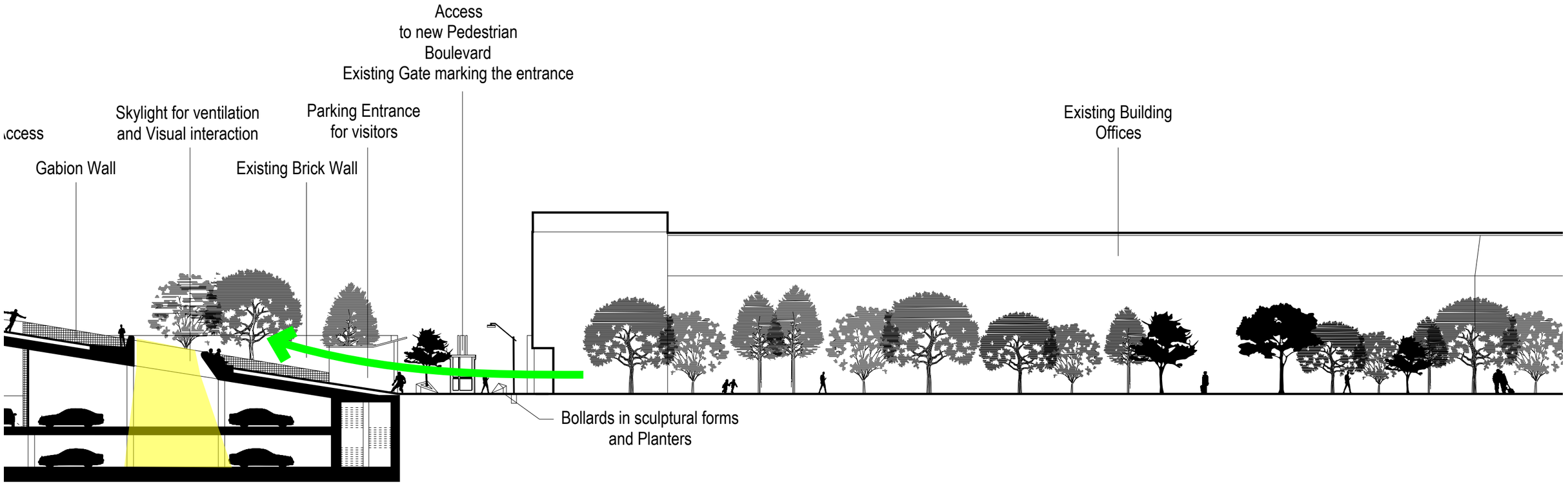

Marine Parking Access
Visitors Parking Access
Gabion Wall
Skylight for ventilation
and Visual interaction
Existing Brick Wall
Parking Entrance
for visitors
Access
to new Pedestrian
Boulevard
Existing Gate marking the entrance
Existing Buildi
Offices
Bollards in sculptural forms
and Planters

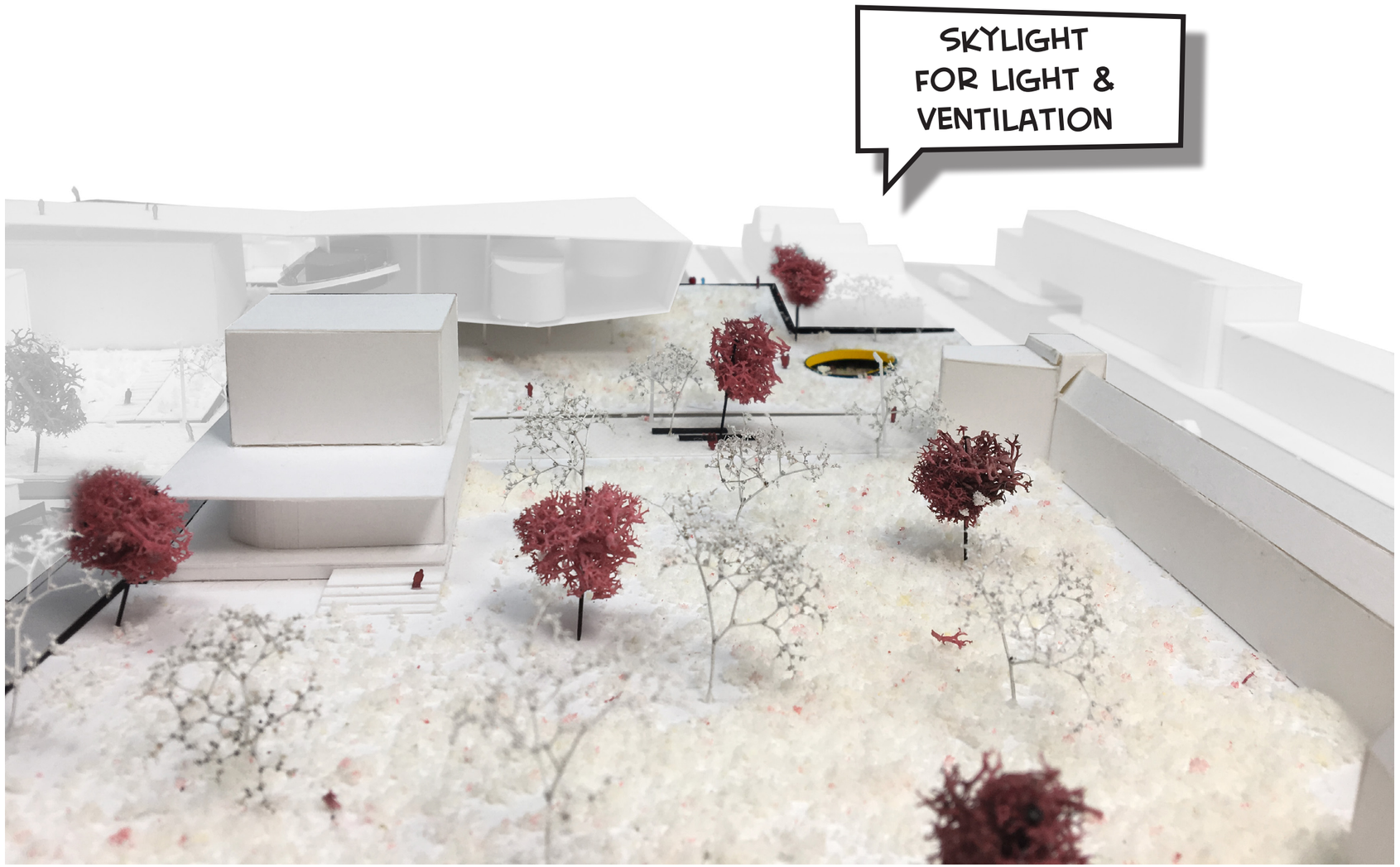
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



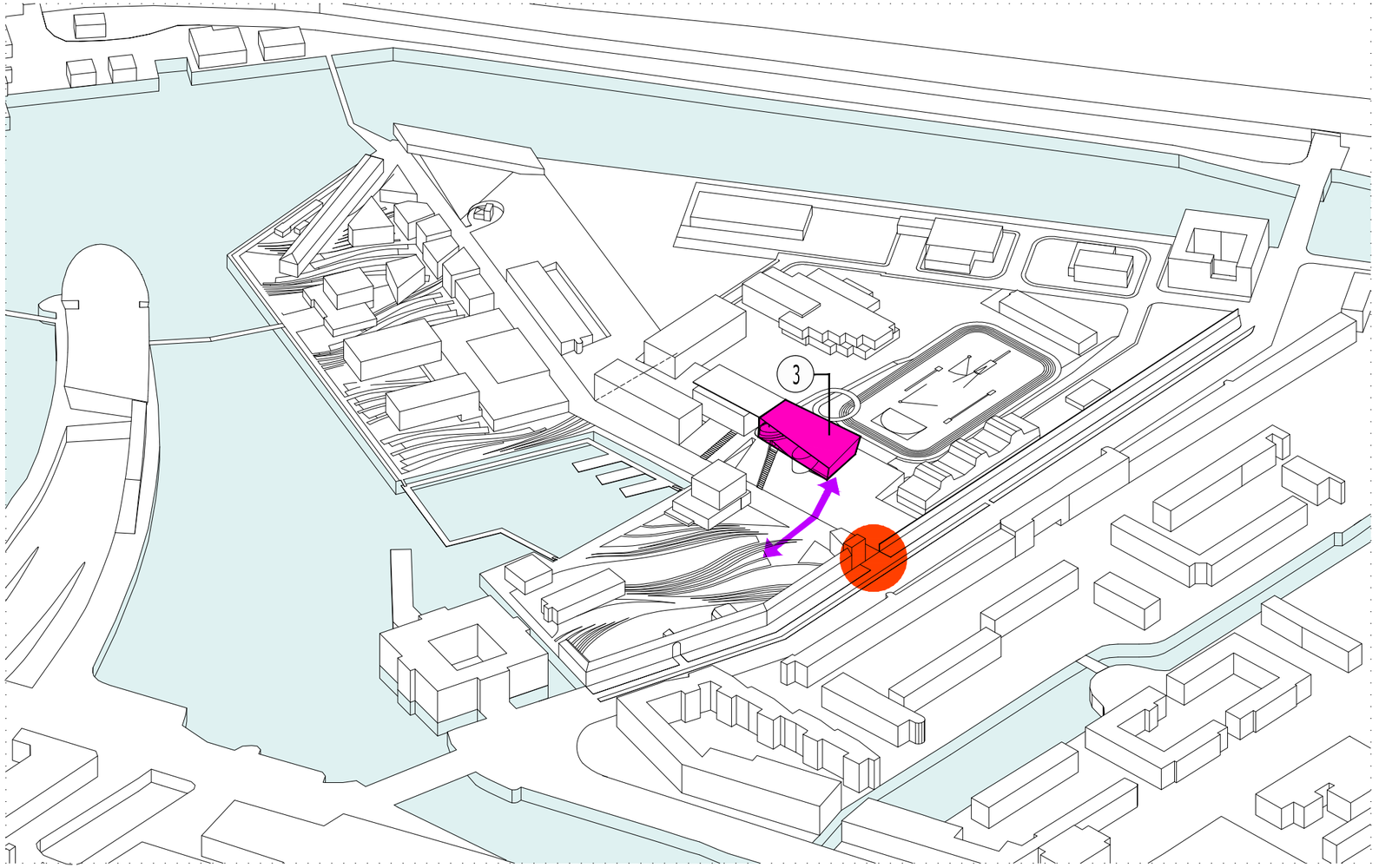
2

THE EXISTING PARK IS EXTENDED ON THE SLOPING SURFACE.


Access
to new Pedestrian
Boulevard
Existing Gate marking the entrance
Skylight for ventilation
and Visual interaction
Parking Entrance
for visitors
Existing Building
Offices
ccess
Gabion Wall
Existing Brick Wall
Bollards in sculptural forms
and Planters


SKYLIGHT
FOR LIGHT &
VENTILATION

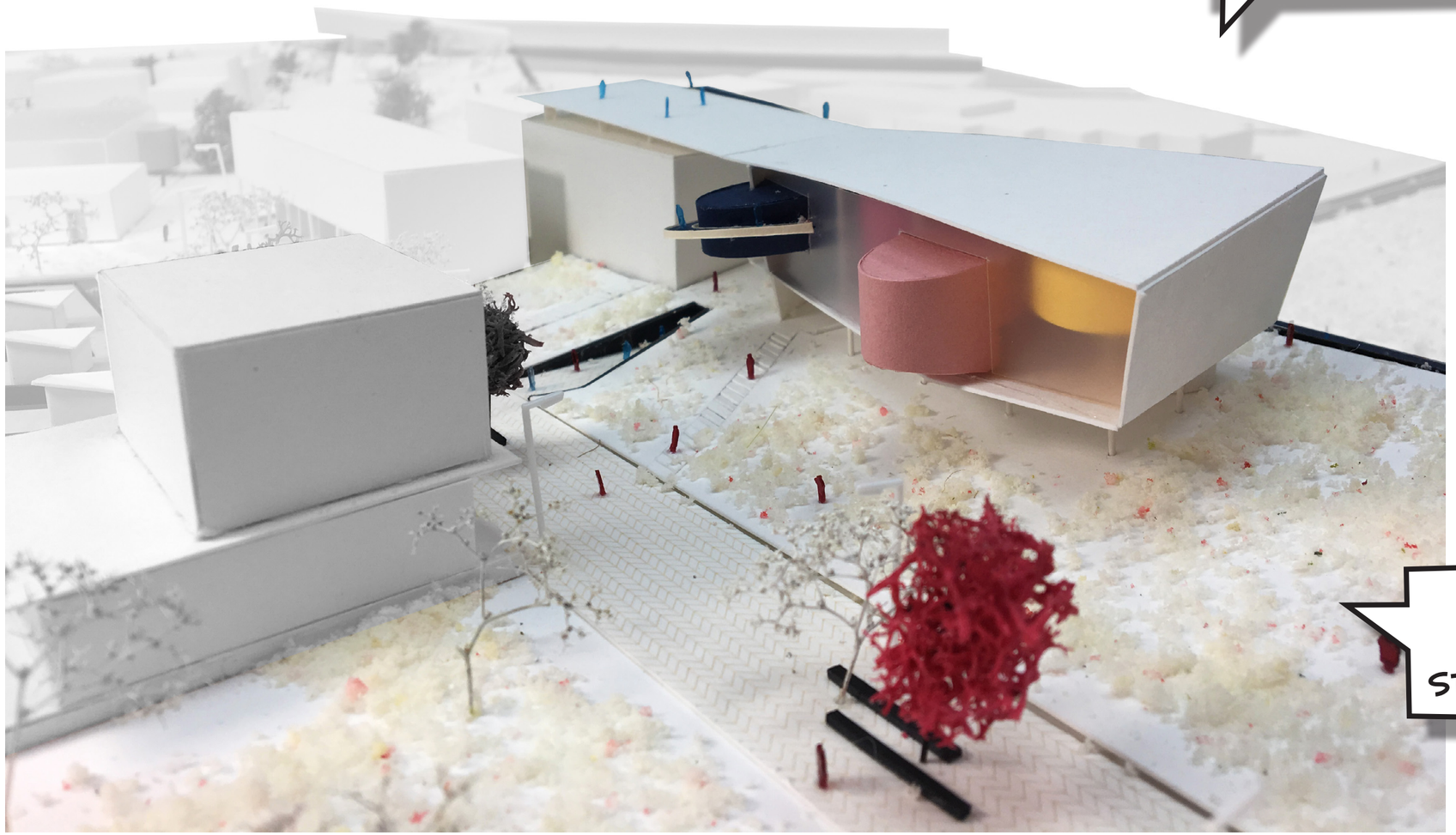
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



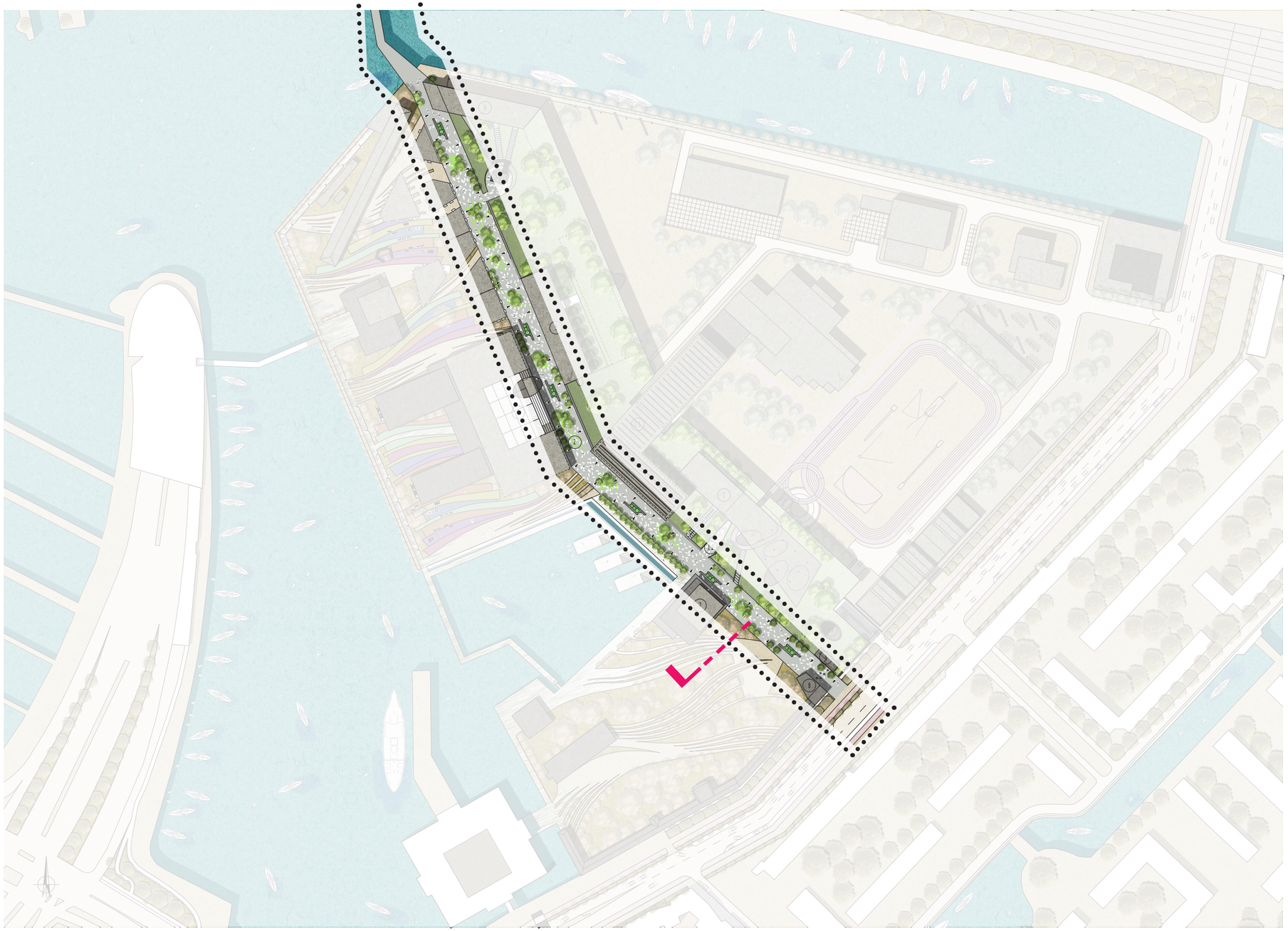
3

EXPERIENCING THE PRECENCE OF THE PROPOSED CULTRURAL AND ATHLETIC FACILITIES BUILDING THAT HOVERS ABOVE THE SLOPING SURFACE.

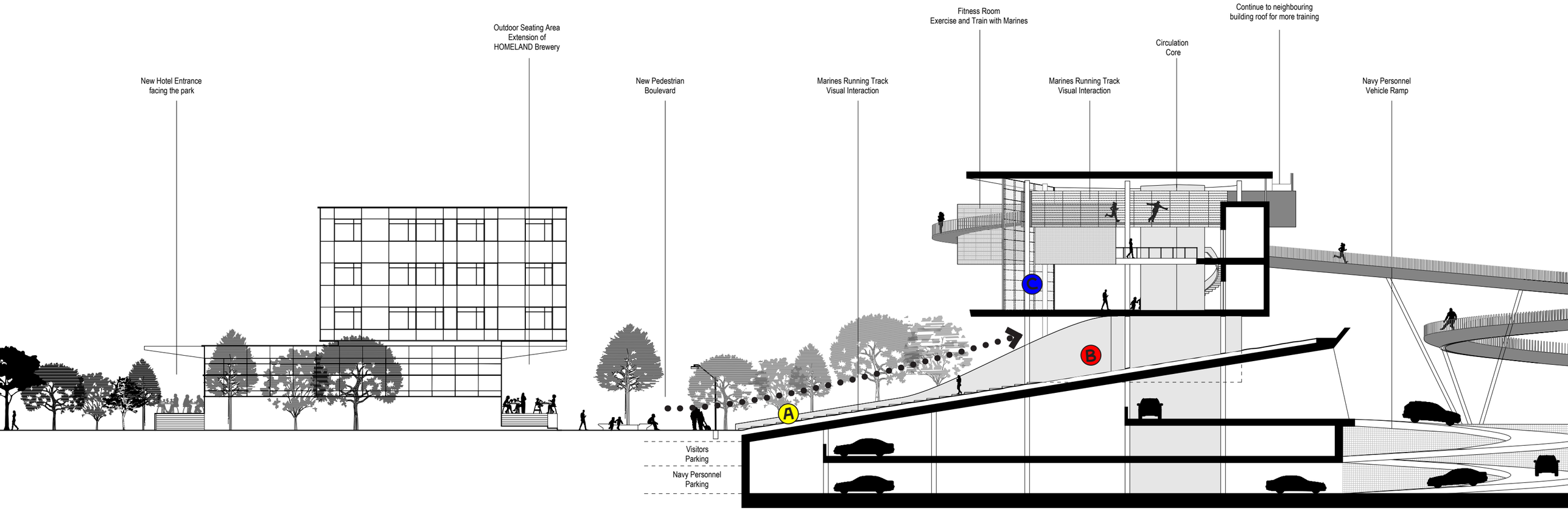
A BUILDING
THAT HOVERS
ABOVE GROUND



WITH A LIVELY
FACADE THAT
STIMULATES YOU ...



SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

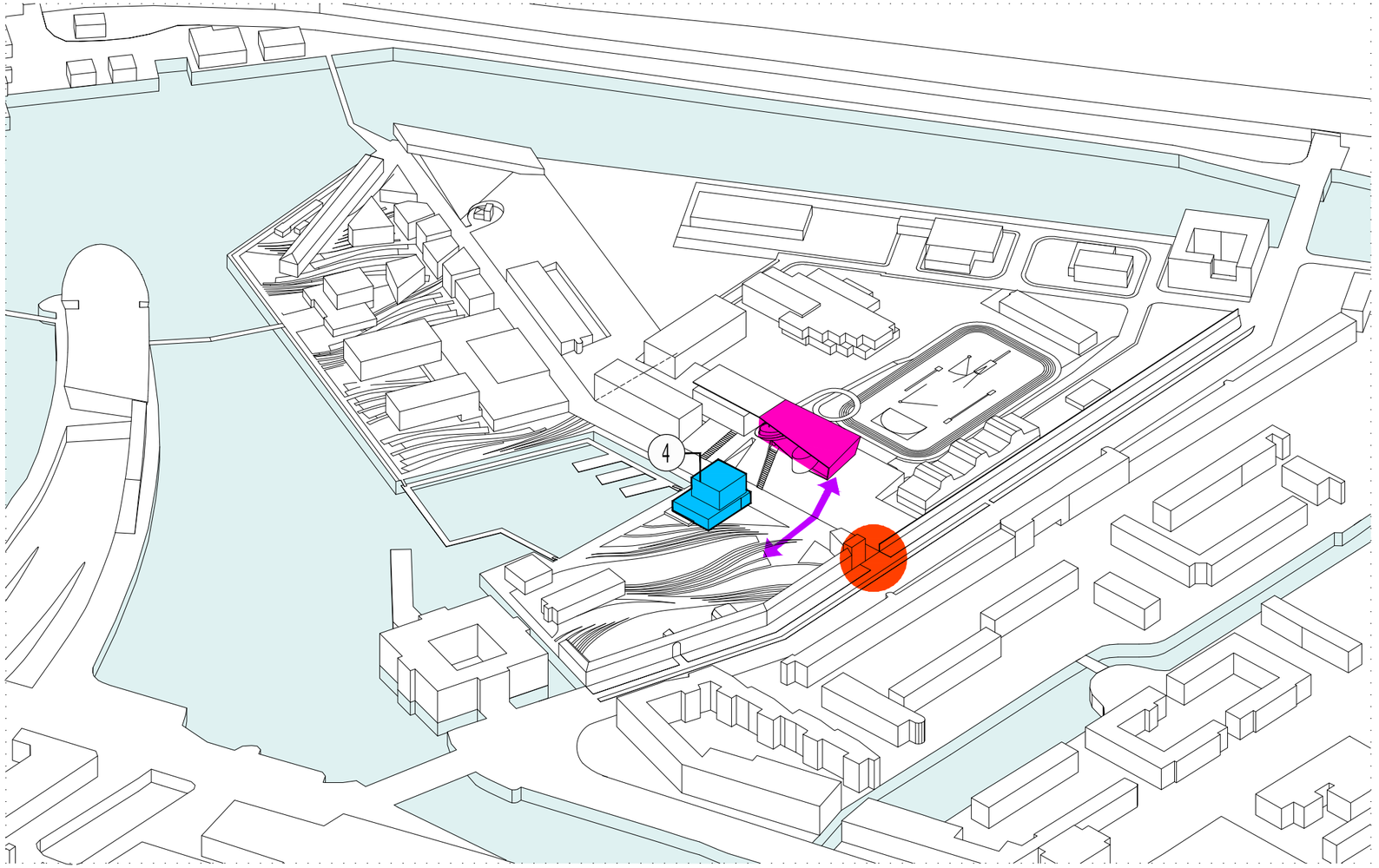


A LEVEL CHANGES TO DEFINE TERRITORY

B ANNEX ENTRANCE

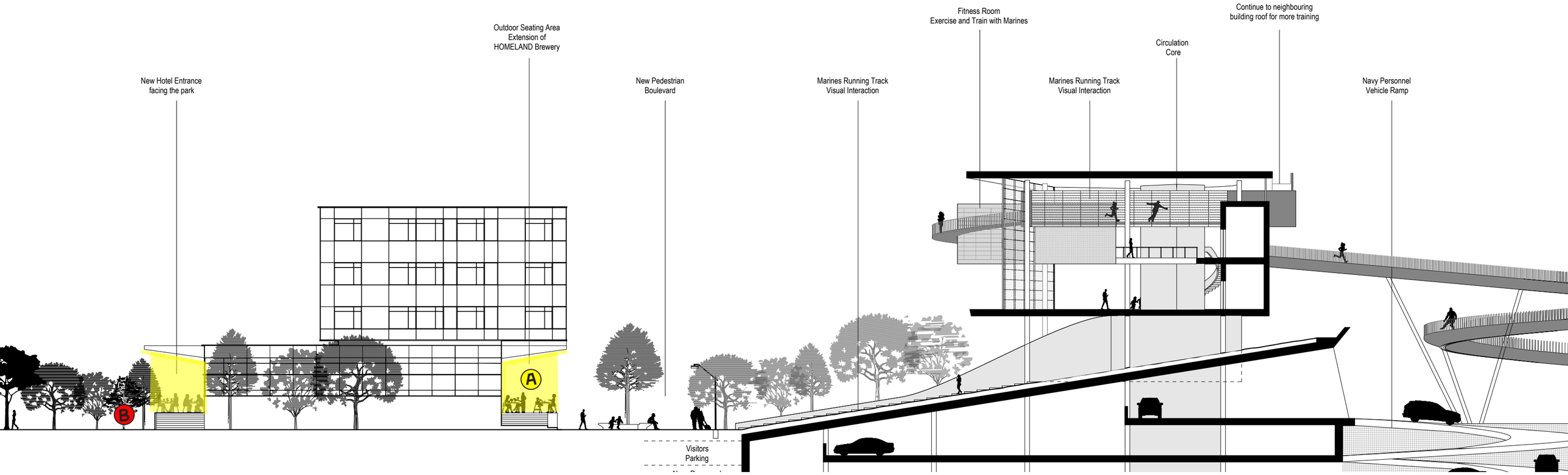
C VISIBLY ACTIVE FACADE

SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



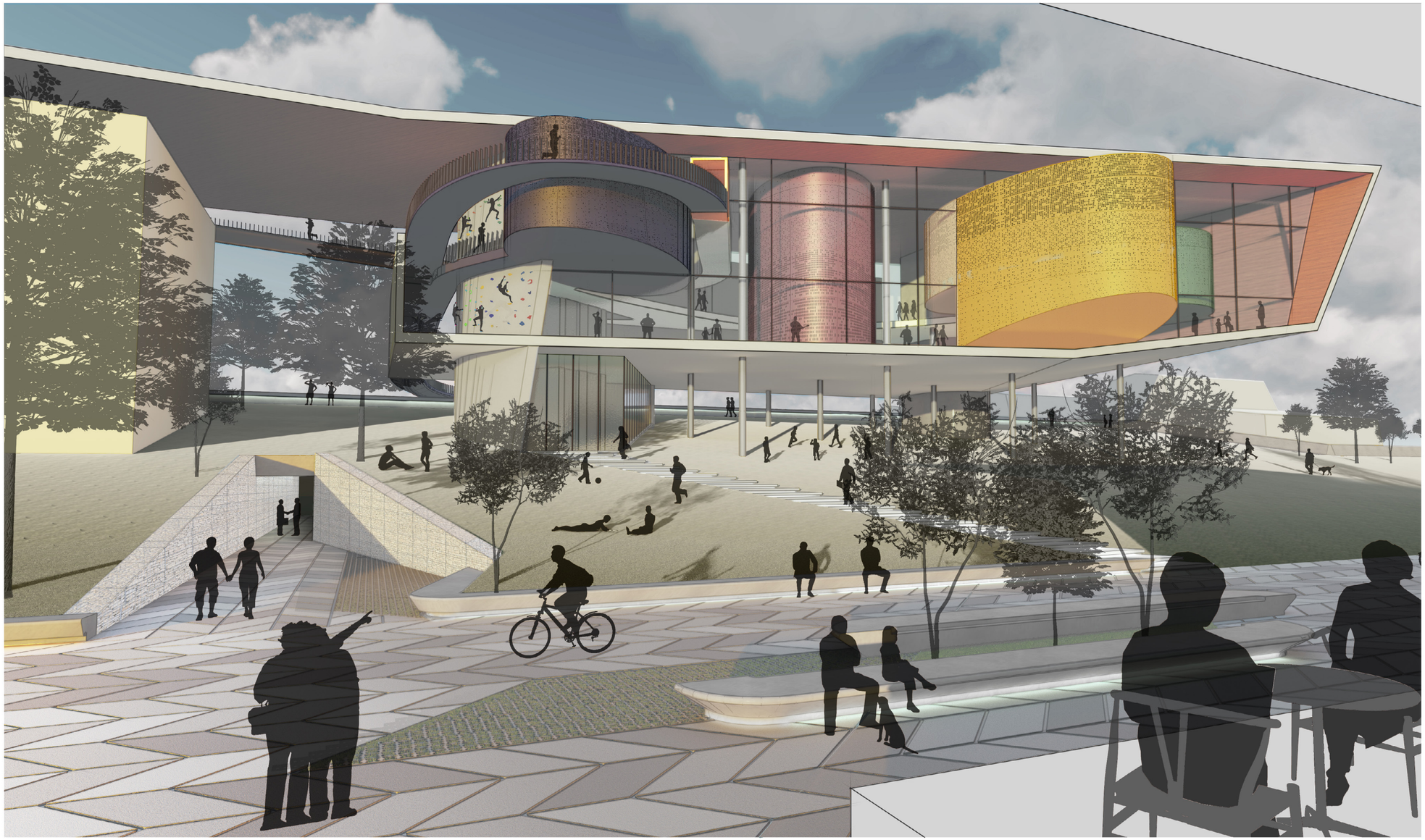
4

THE EXISTING HOTEL IS INTEGRATED IN THE CONCEPT, STATING THE CONTINUATION OF EVERYDAY LIFE. OUTDOOR SITTING ENHANCES THE RELATIONSHIP BETWEEN THE HOTEL AND BOULEVARD.

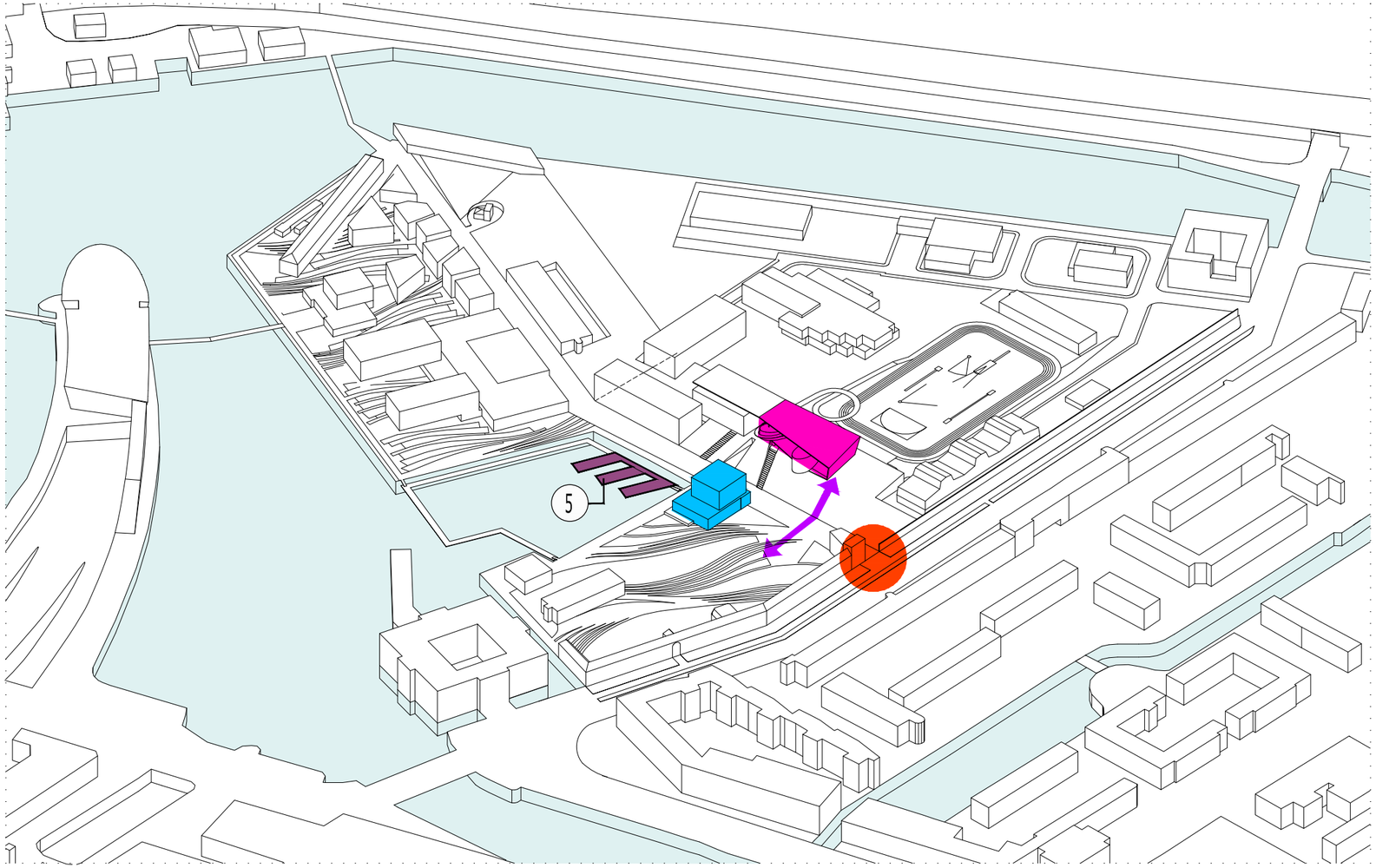


A LEVEL CHANGES TO DEFINE TERRITORY

B RELOCATED ENTRANCE



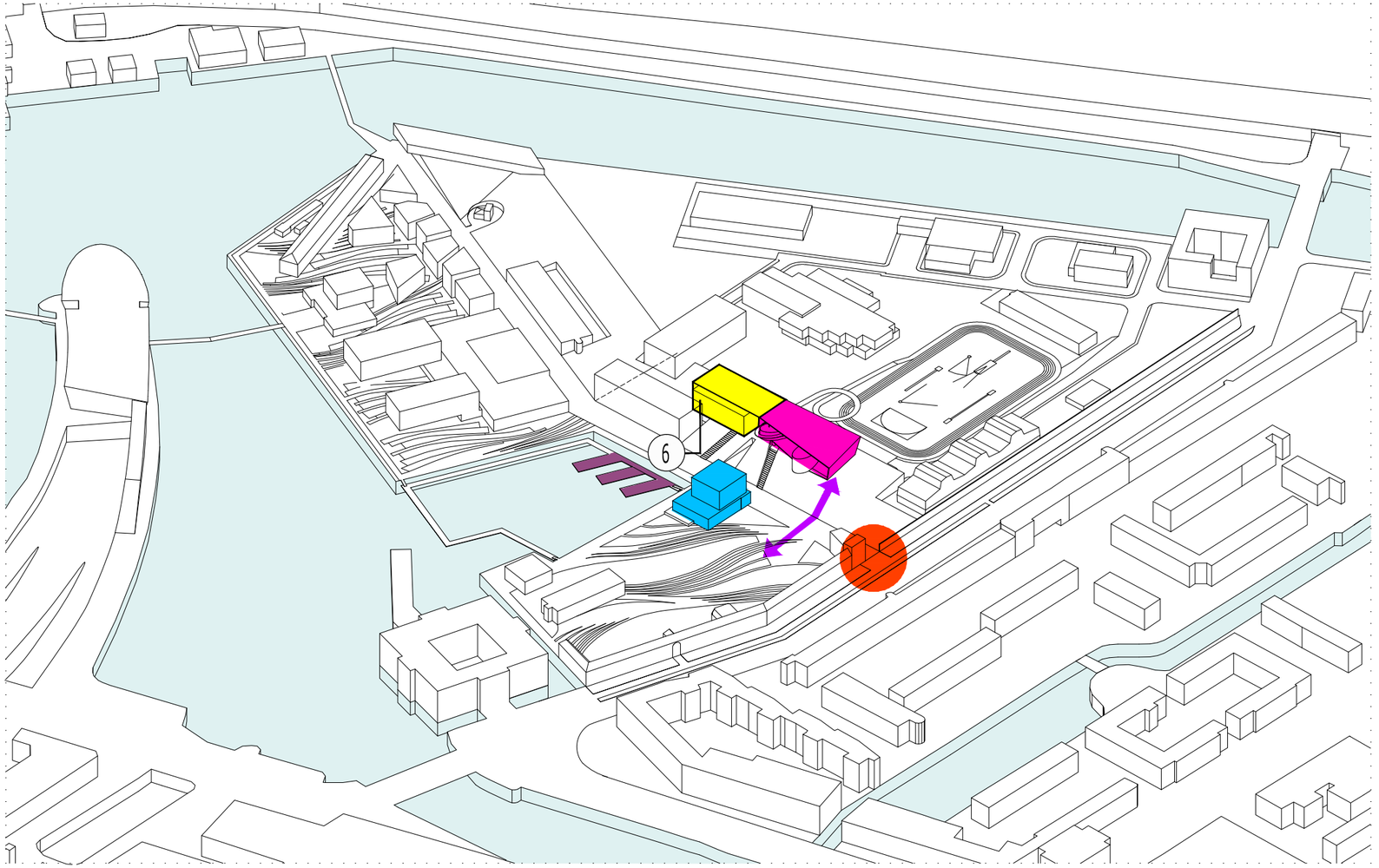
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



5

THE PROCESSION OPENS TO THE WATER CHANNEL WHERE ENTERTAIMENT FACILITIES FIND THERE NATURAL PLACE.

SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



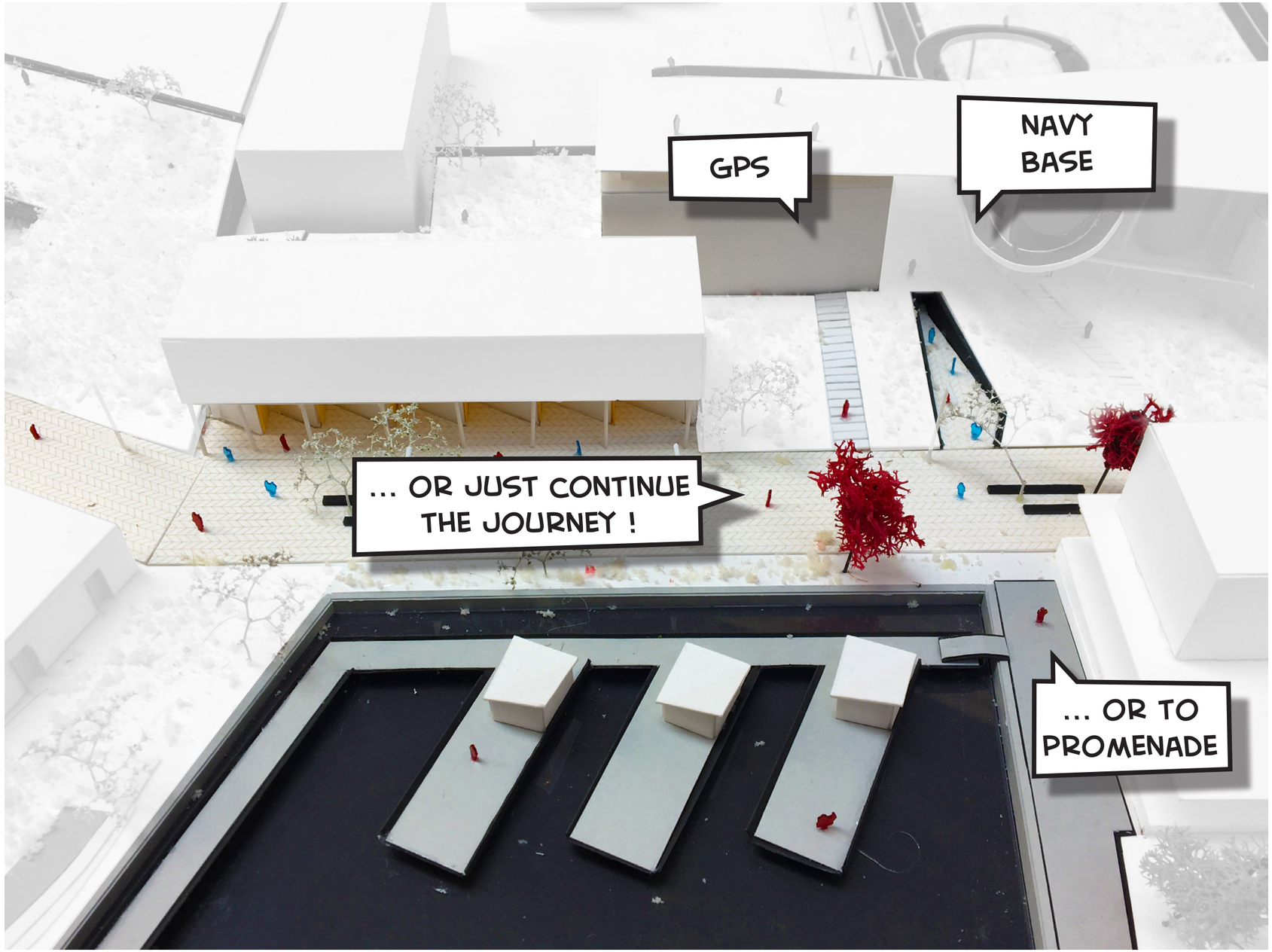
6

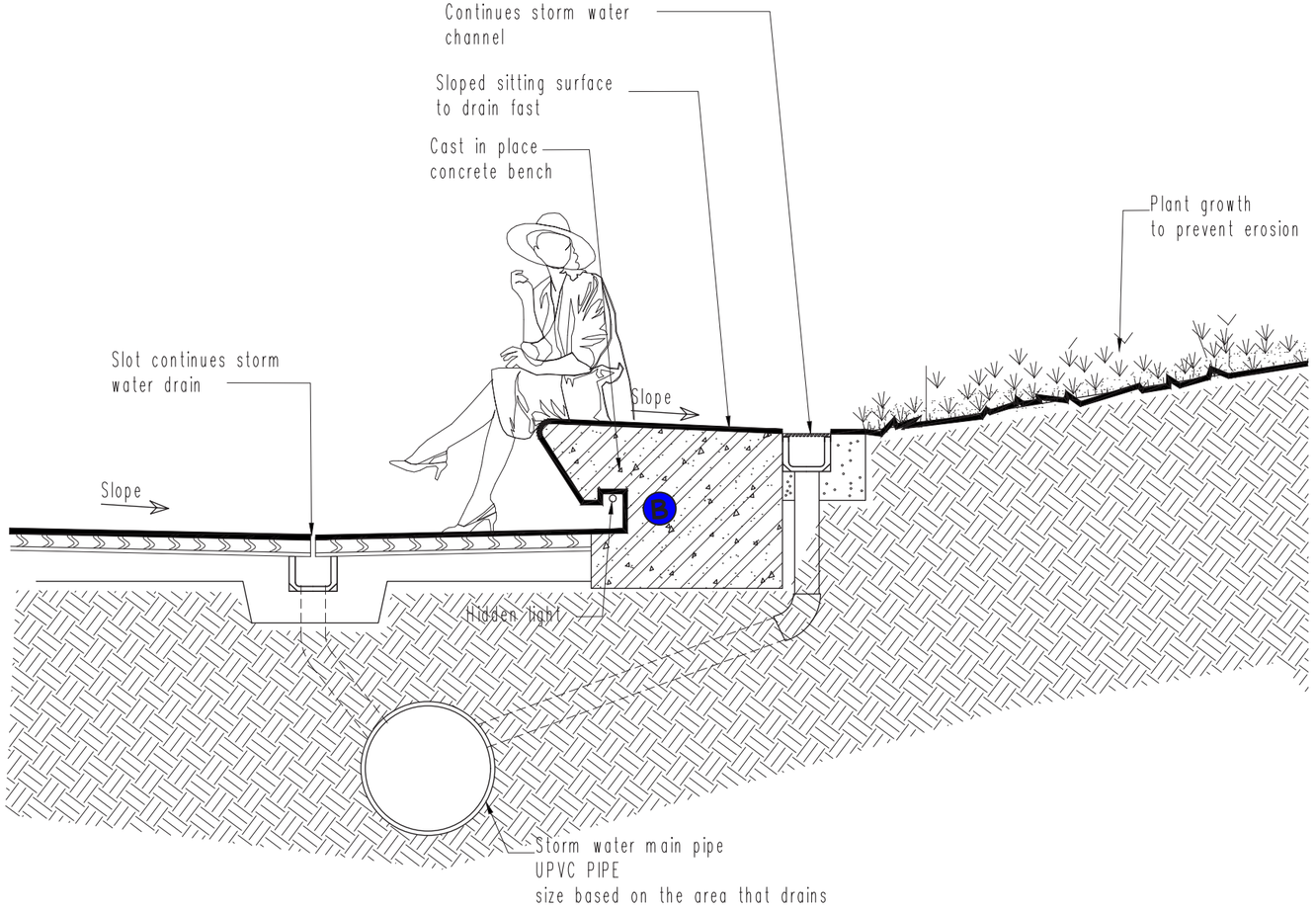
AN EXISTING BUILDING IS RENOVATED AND ARCHITECTURALLY CONNECTED WITH THE NEW BUILDING AND IS USED BY PRACTITIONERS.

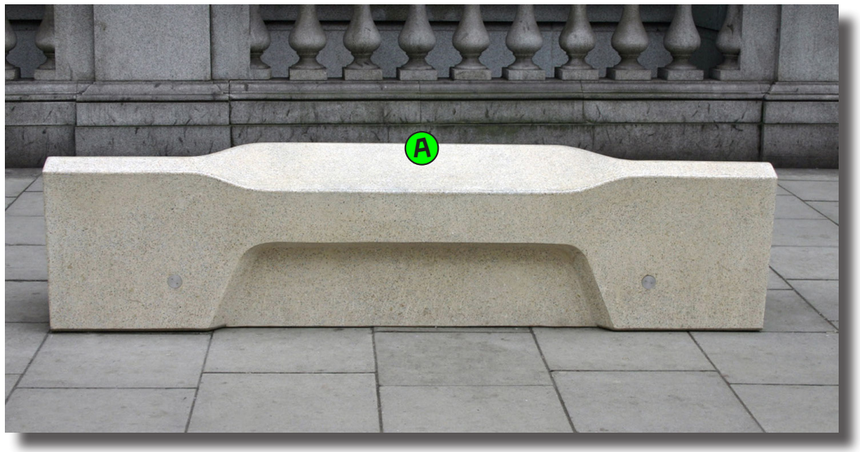
COUPLE OF CHOICES ARE PRESENTED



A PAVING MATERIAL CHANGE
B STRUCTURED PLANTING
C SEATING AREAS


GPS
NAVY BASE
... OR JUST CONTINUE THE JOURNEY !
... OR TO PROMENADE

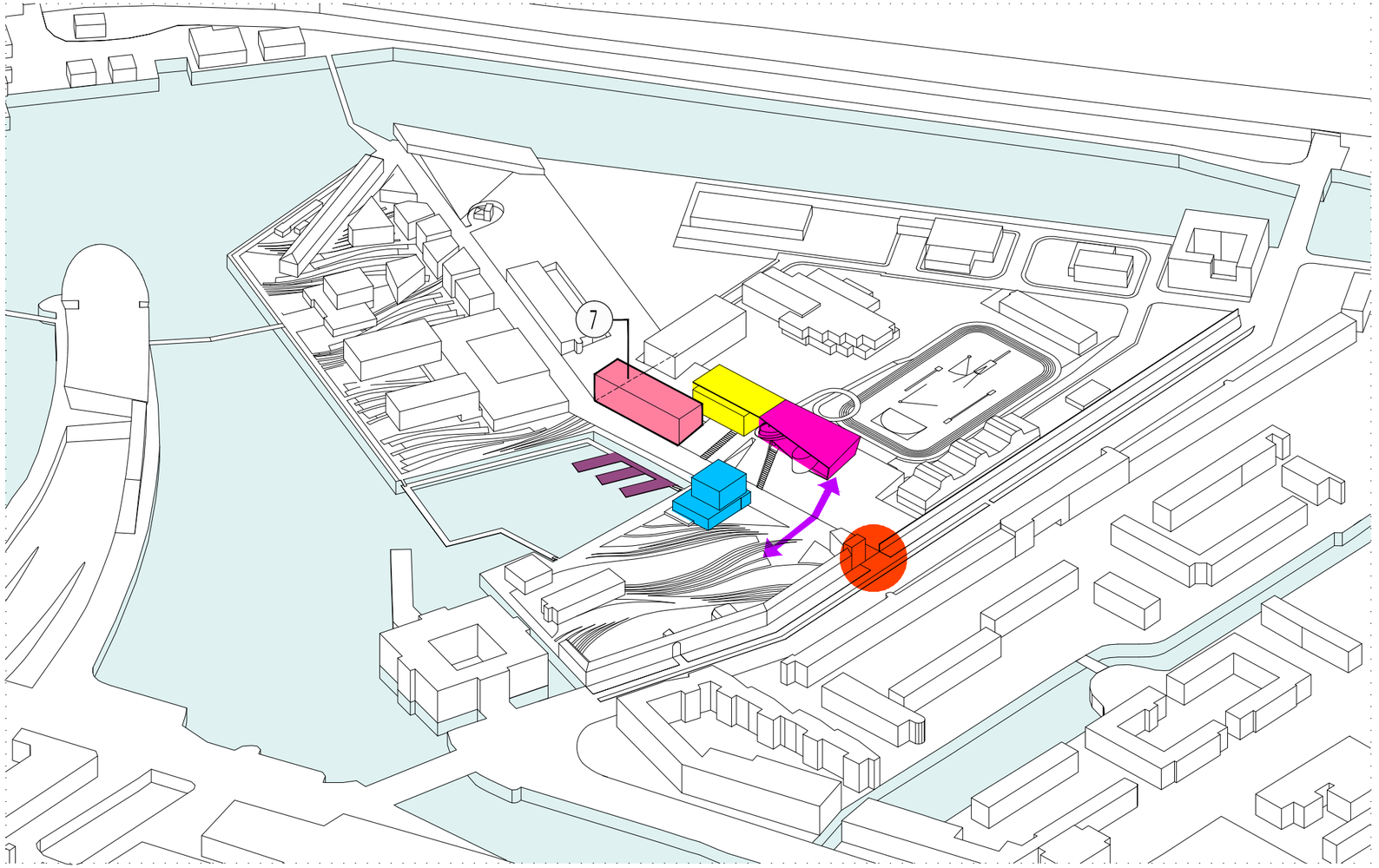




A HOSTILE DESIGNED BENCH

B LIGHTING FIXTURES

SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

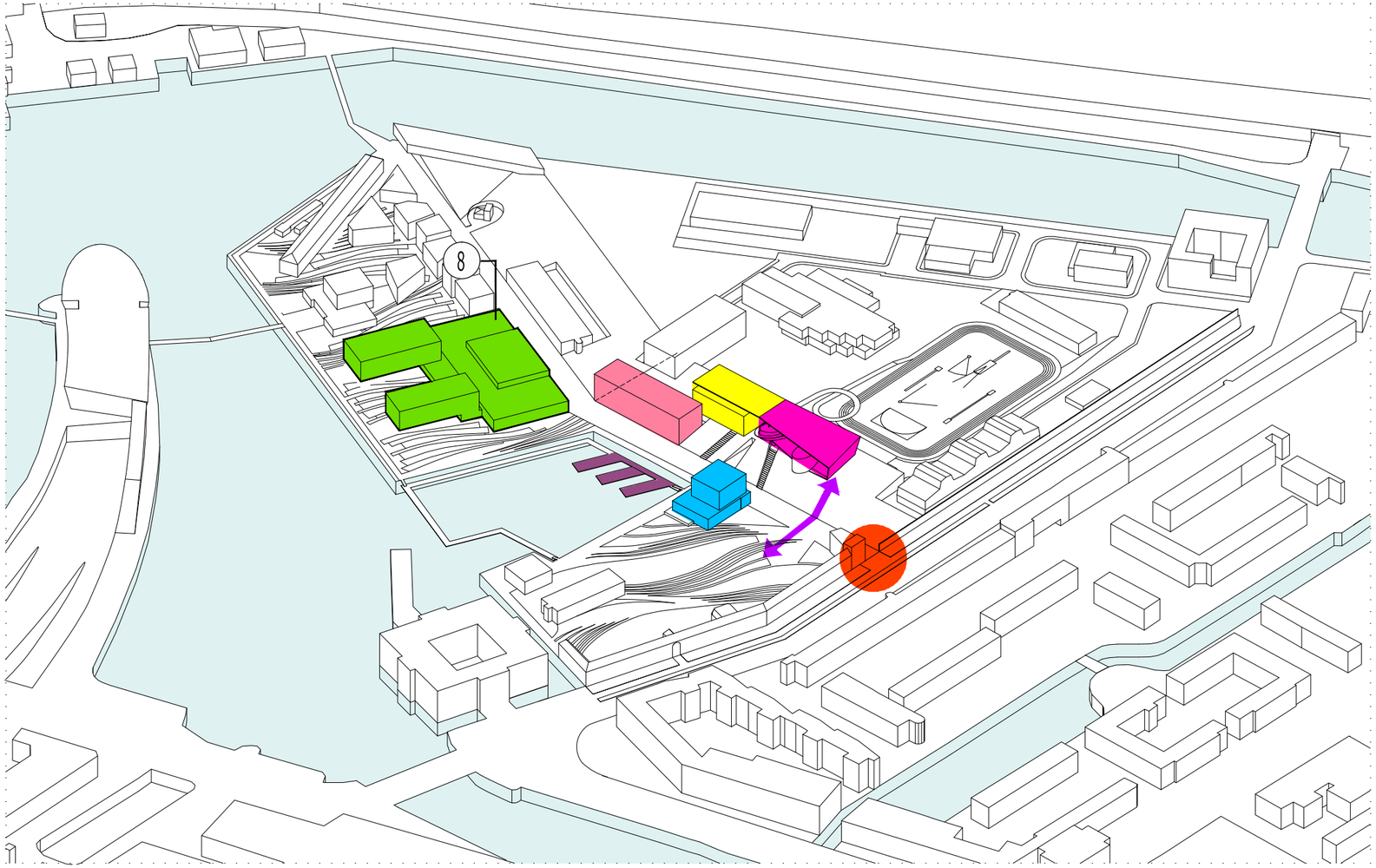


7

INTEGRATION OF EXISTING BUILDING INTO THE NEW INFRASTRUCTURE. AN ARCADE IS CREATED ALONG THE BOULEVARD.THE BUILDING IS USED BY INNOVATORS.


INNOVATORS
EXHIBITS
ARCADE

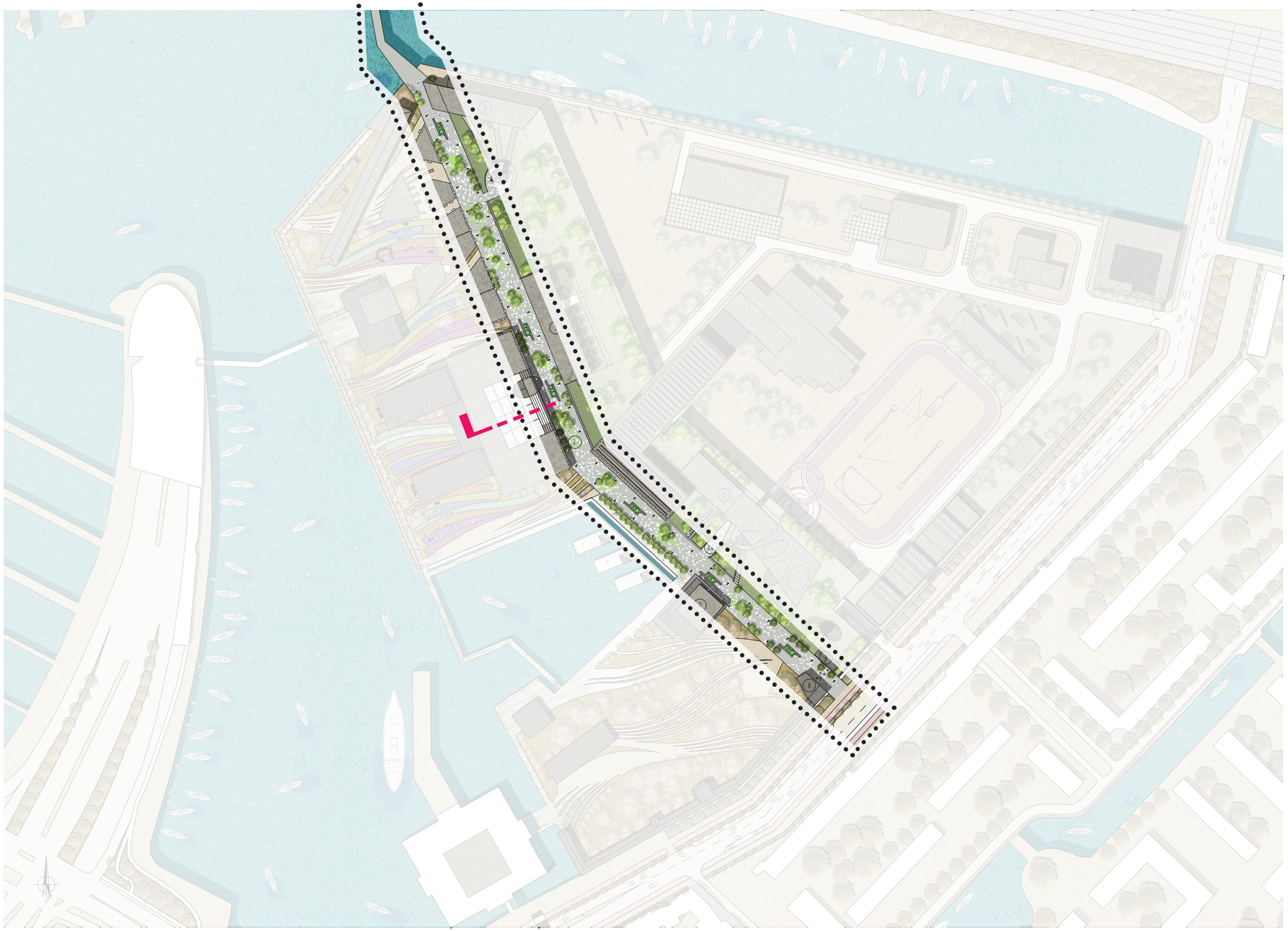
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



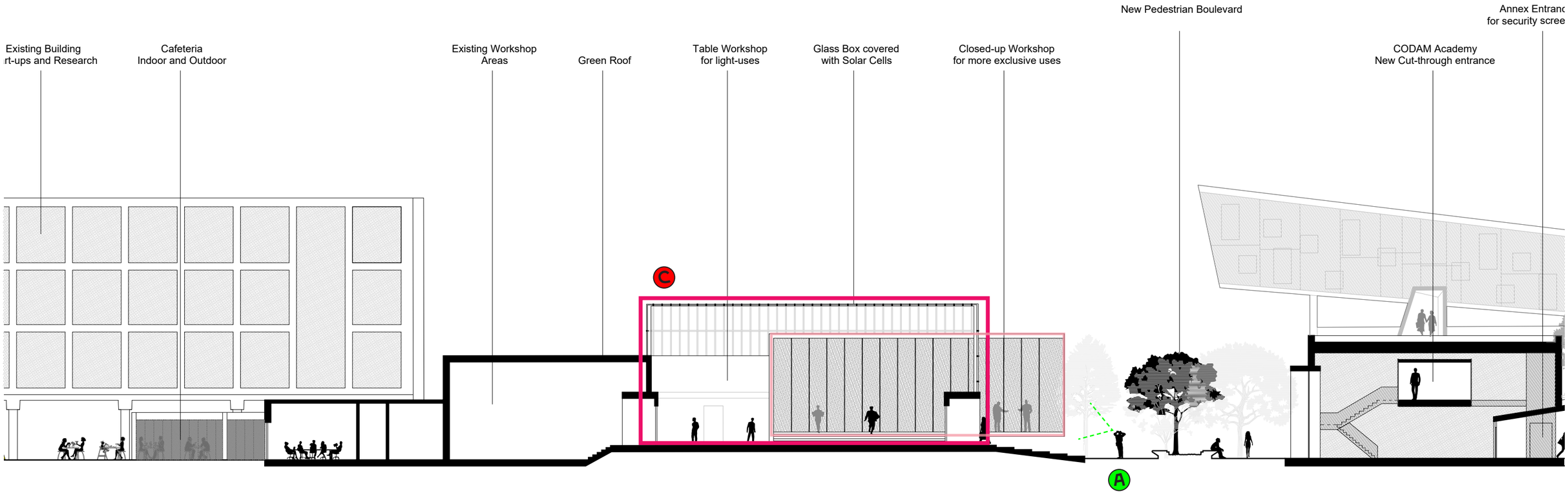
8

THE EXISTING LARGE INDUSTRIAL BUILDING TAKES A NEW USE PRODUCING INNOVATING PRODUCTS. A NEW ENTRANCE AND A LARGE INDOOR SPACE IS CREATED IN RELATION TO THE PEDESTRIAN BOULEVARD.





SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

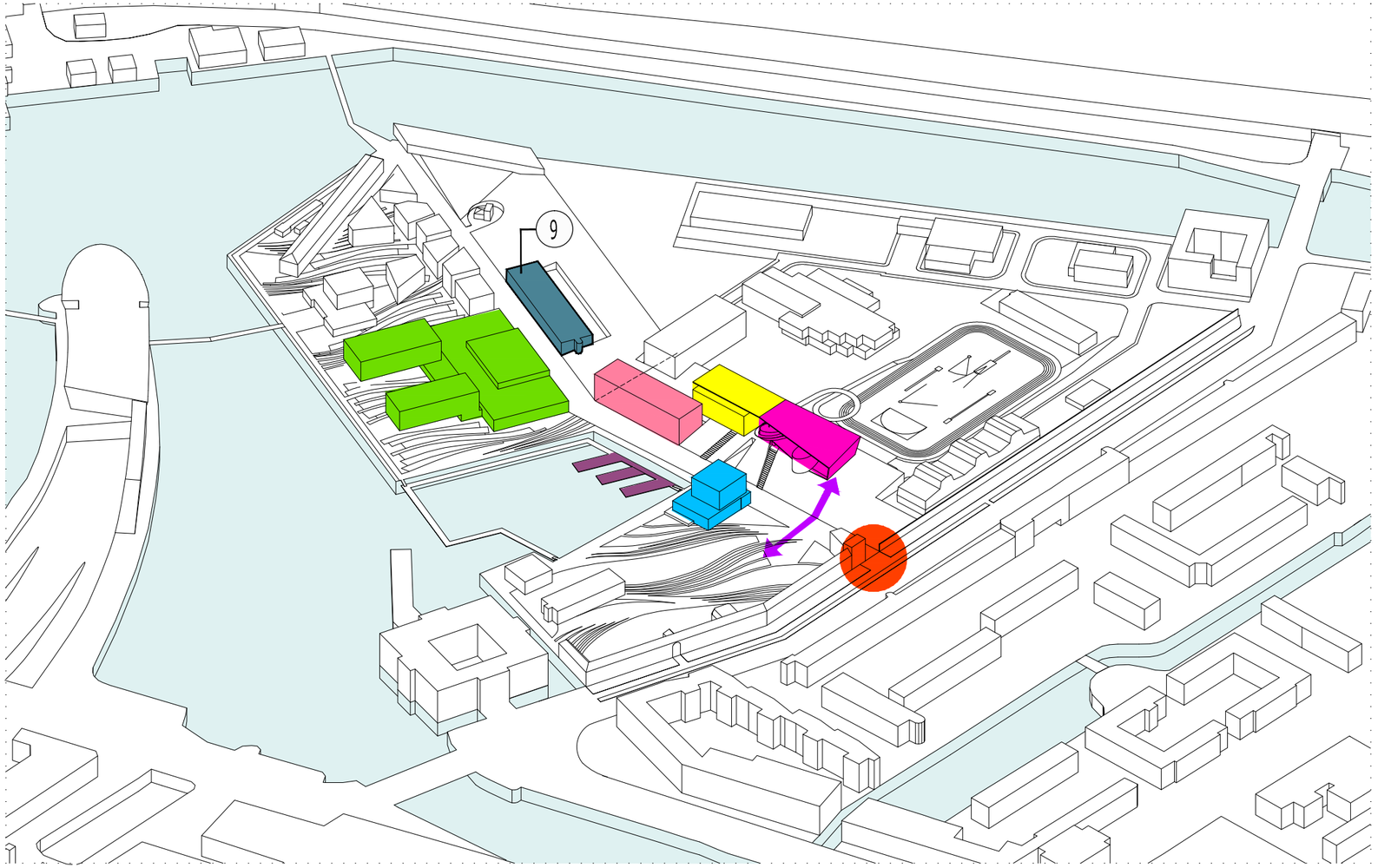


A LIVELY EYE-LEVEL FACADE

B LEVEL CHANGES

C BOX WITHIN A BOX

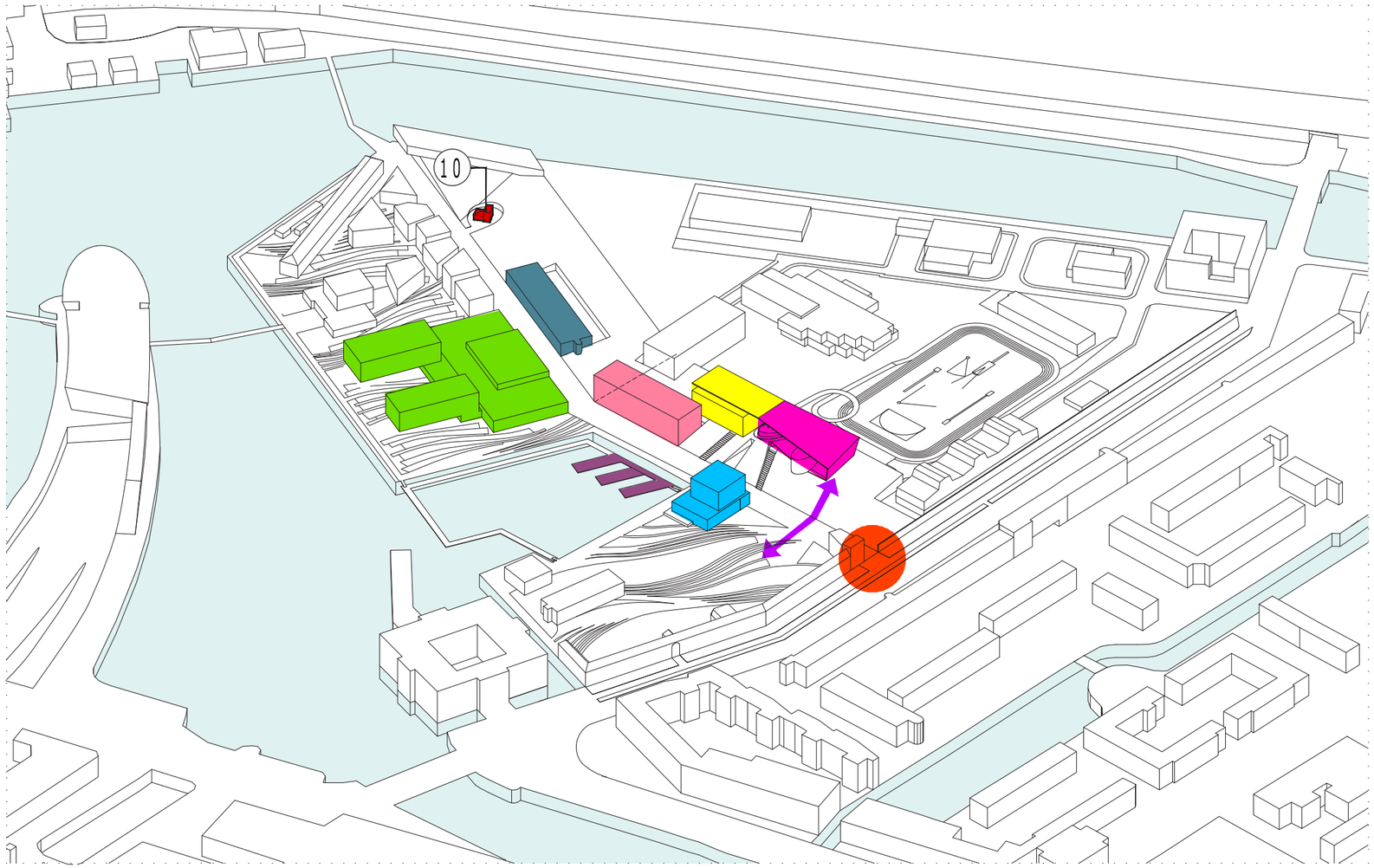
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



9

THE EXISTING EDUCATIONAL BUILDING IS ALSO INTEGRATED IN THE URBAN DESIGN CONCEPT. A COURTYARD IS CREATED ADJOINING RELATED FACILITIES FOR THE MARINES.

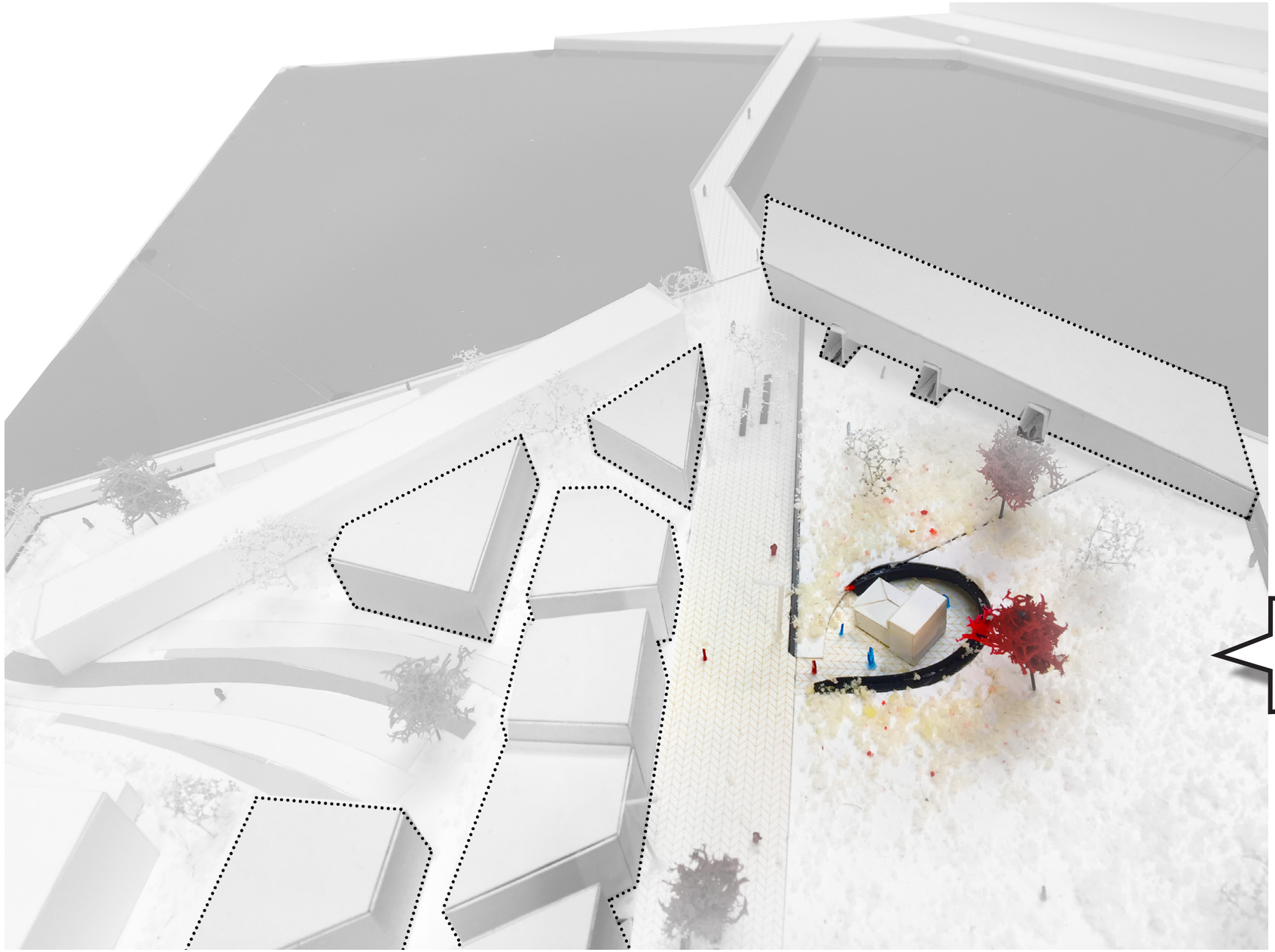
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

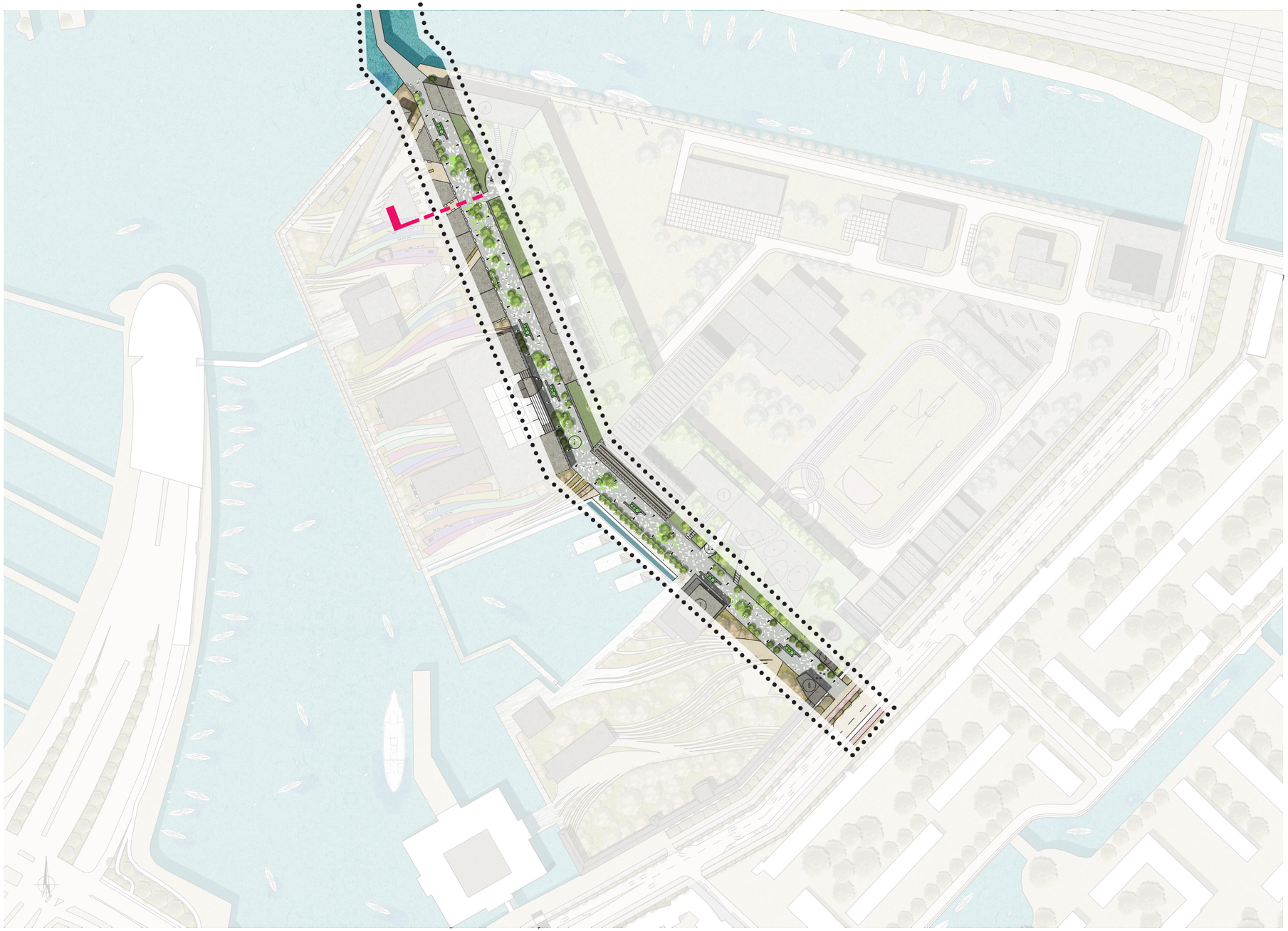


10

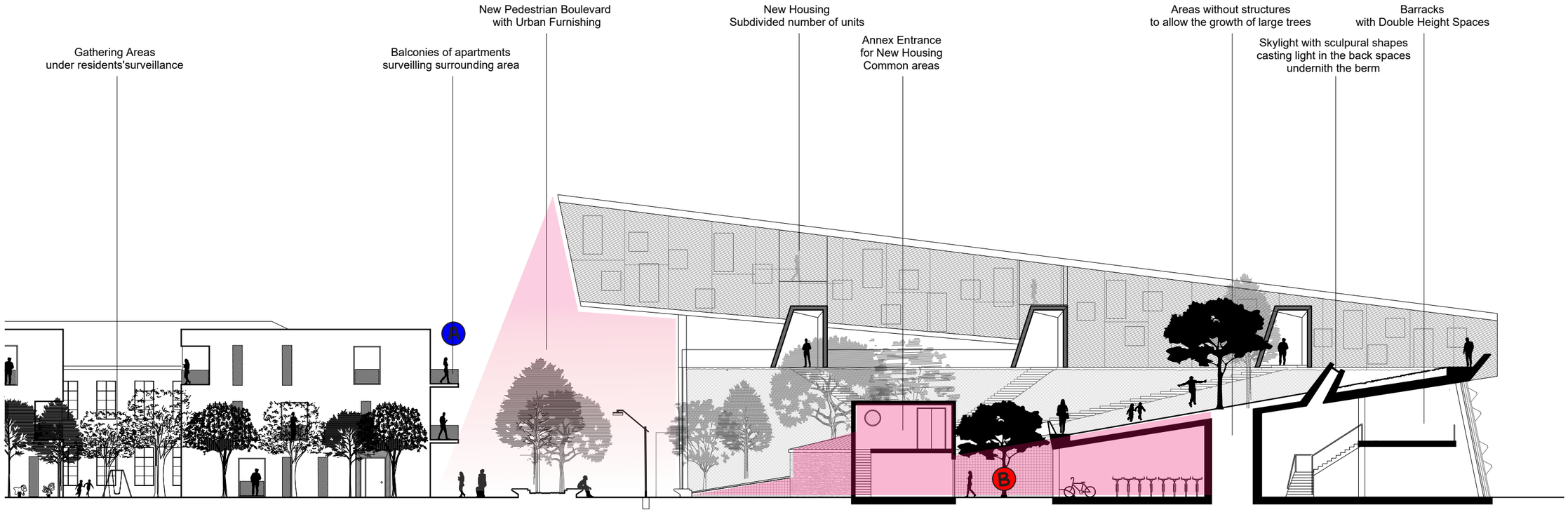
THE EXISTING SMALL BUILDING ITS PROPER SCALE BECOMES THE CENTER POINT OF THE HOUSING CLUSTER FOR INFORMATION, EVENTS AND SOCIAL INTERACTION.




BECOMES THE
CENTRE POINT



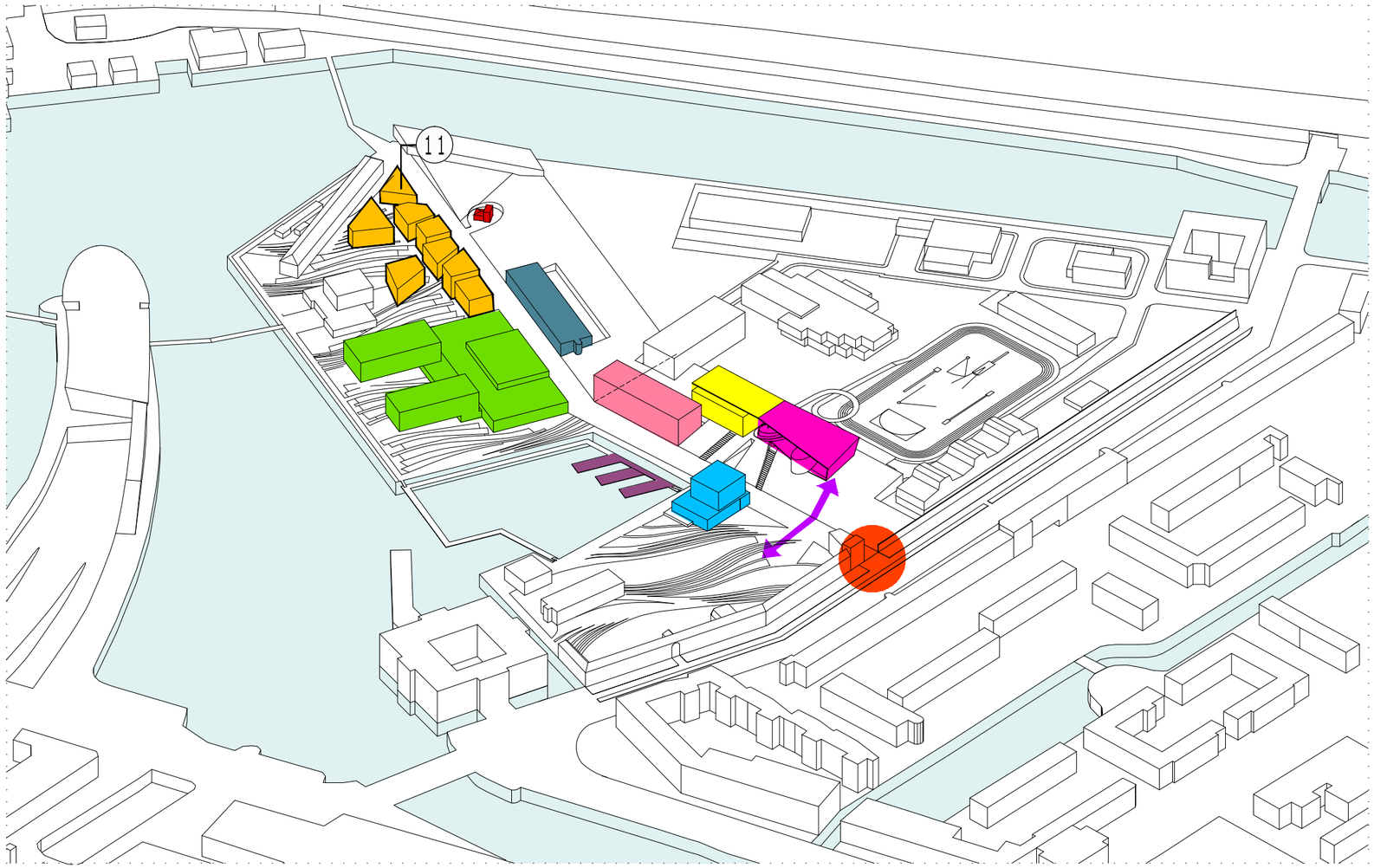
SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



A BALCONIES FOR SURVEILLANCE

B ANNEX & COMMON FACILITIES

SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD

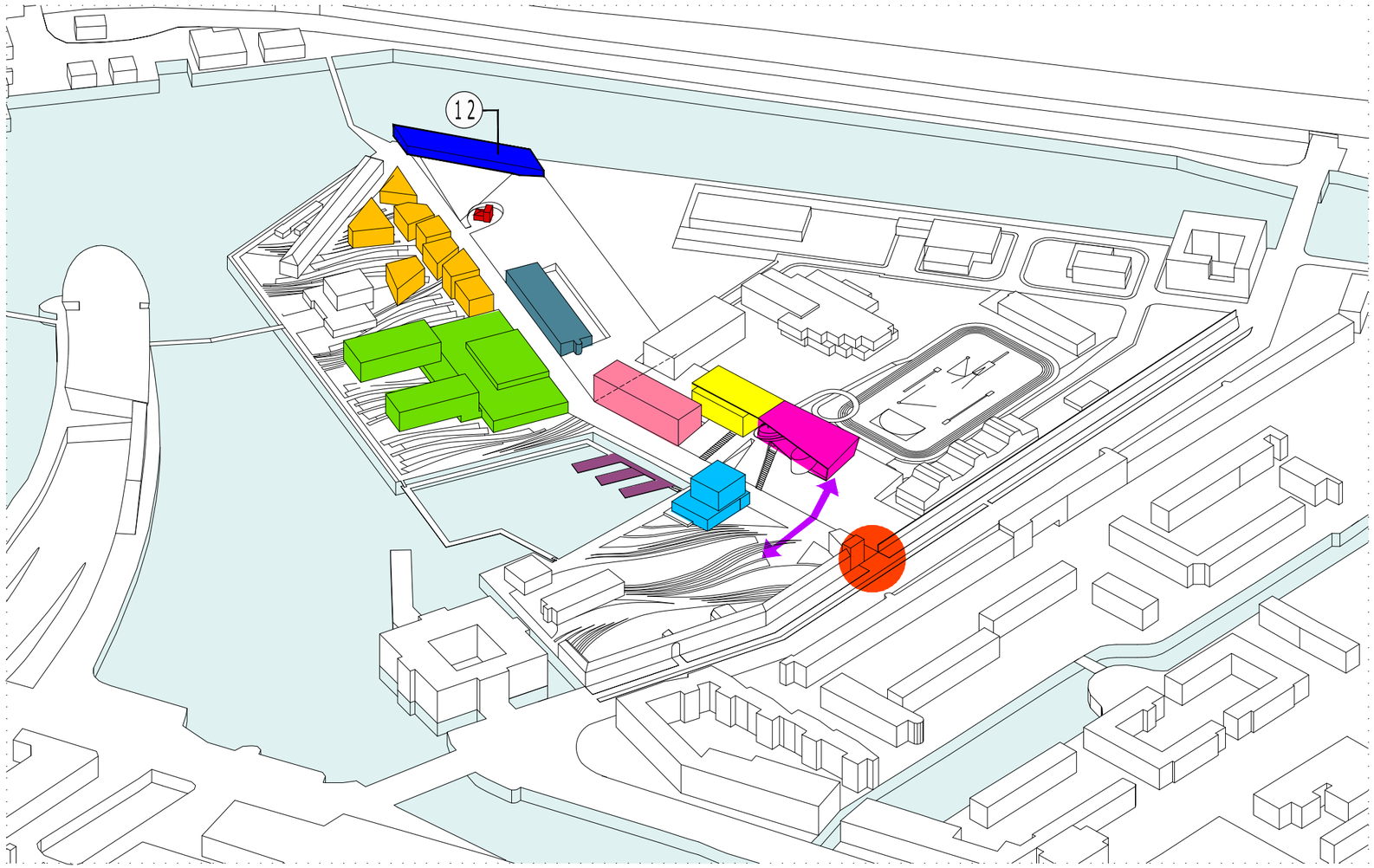


11

PROPOSED NEW HOUSING CLUSTER ALONG THE PEDESTRIAN BOULEVARD AND IN THE PARK IS BROKEN DOWN TO A PROPER SCALE, CREATING SPACES IN BETWEEN FOR SOCIAL INTERRACTION.

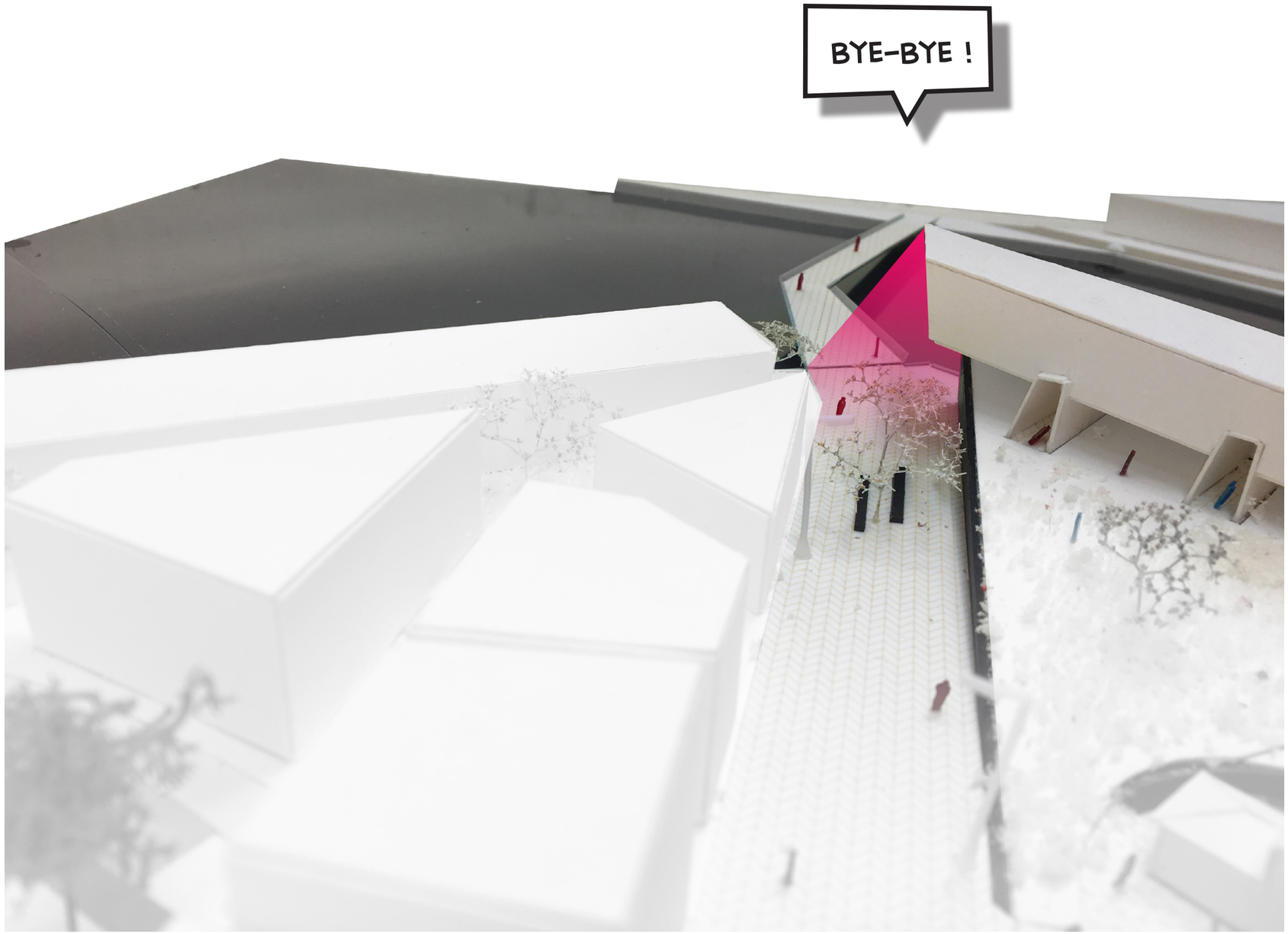
Subdivided Units per building so people can relate with one another

SEQUENCE OF EVENTS ALONG THE PEDESTRIAN BOULEVARD



12

THE NEW HOUSING AT THE END OF THE SLOPING SURFACE HOVERS ABOVE THE PEDESTRIAN BOULEVARD MARKING THE END OF THE EXPERIANCE ENTERING THE PEDESTRIAN BRIDGE TO CONTINUE THE URBAN WALK.

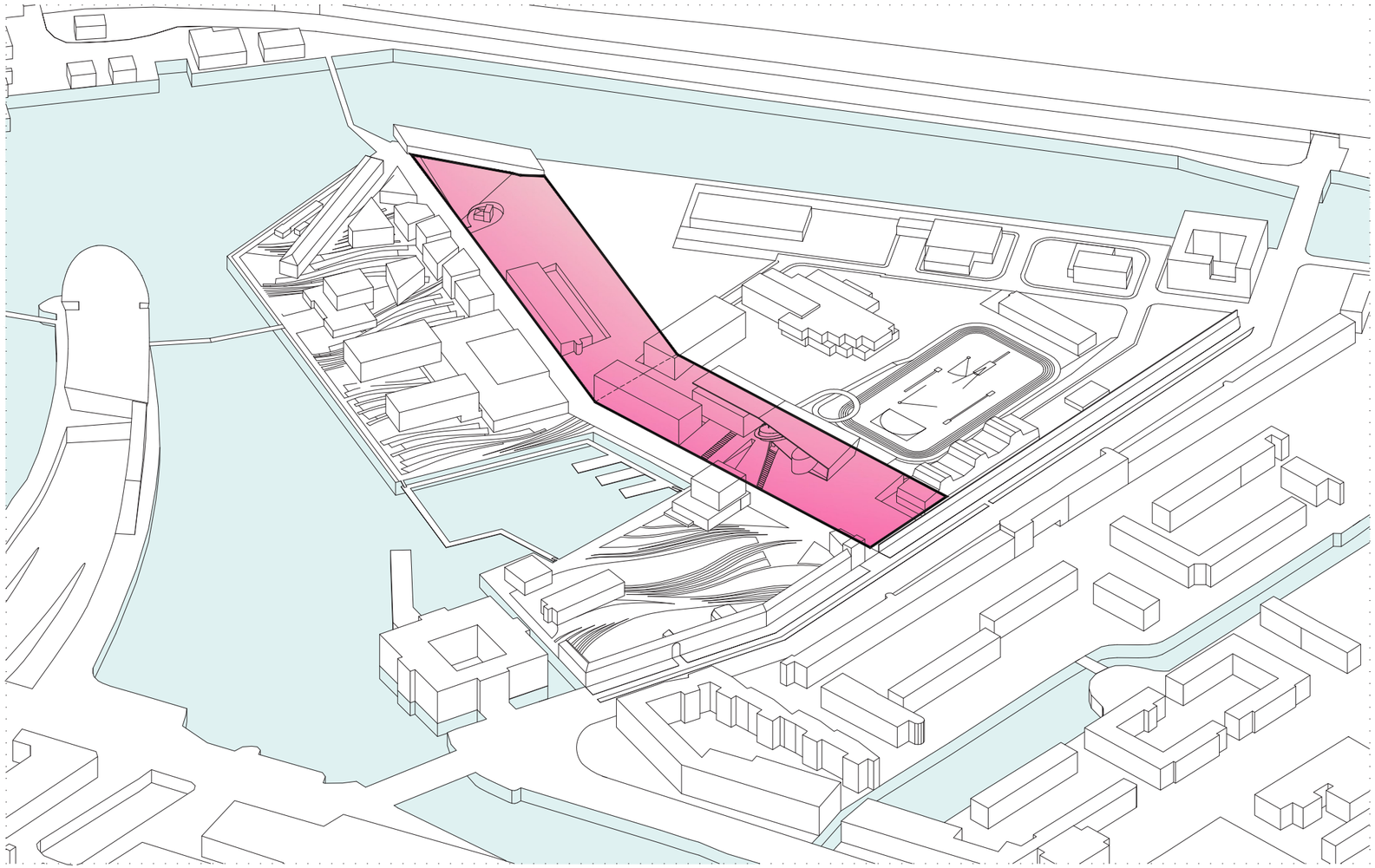

BYE-BYE !

DESIGN QUESTION



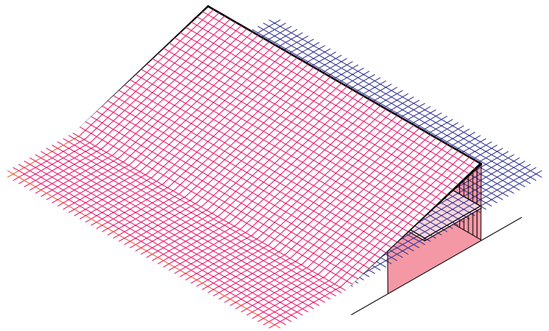
HOW CAN MARINETERREIN BECOME AN INCLUSIVE AND ~~SAFE SPACE~~ **FOR BOTH THE LOCAL COMMUNITY AND THE NAVY BASE** ~~WITHOUT LOOKING LIKE A BORDER-ZONE~~ WHILE RETAINING ITS TRANQUIL CHARECTER?

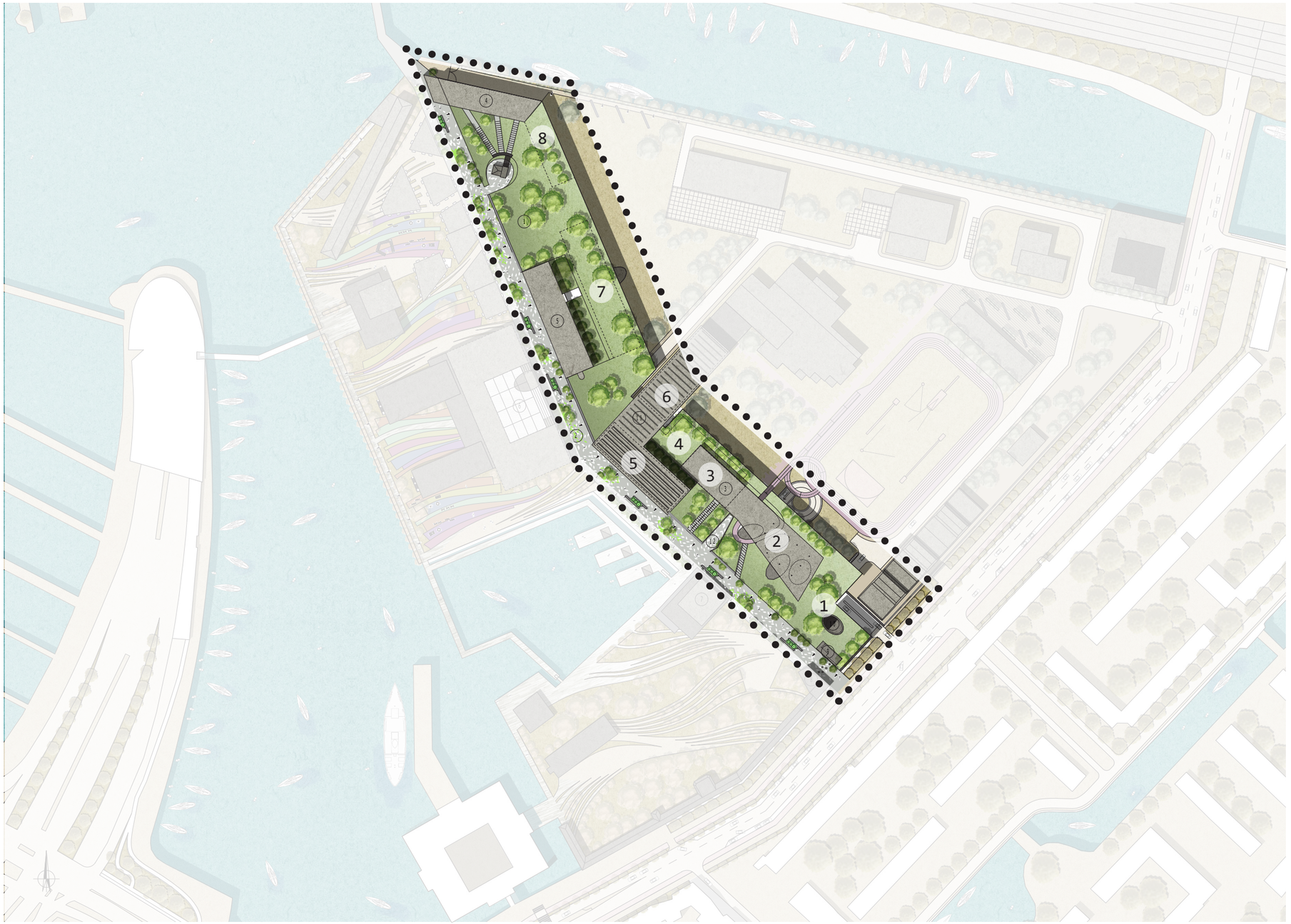
URBAN DESIGN CONCEPT



SLOPING SURFACE

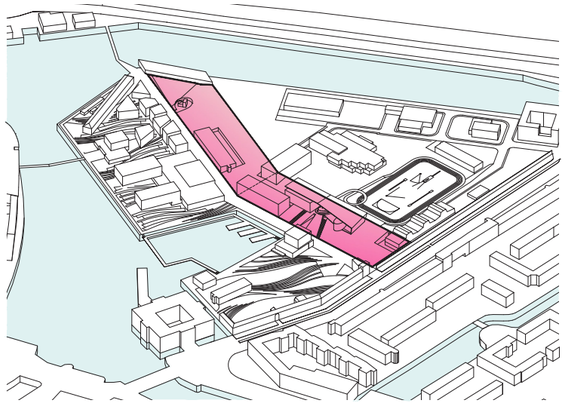
SUCCESSFULLY CREATES FUNCTIONAL SPACE UNDERNEATH





BUFFER ZONE

1 PARKING
2 SPORTS AND CULTURE
3 GENERAL PRACTICES
4 CRISIS CENTRE
5 KITCHENS AND INFORMAL GATHERING ROOMS
6 INTERVIEWS AND LOGISTICS
7 TEACHING FACILITIES
8 BARRACKS



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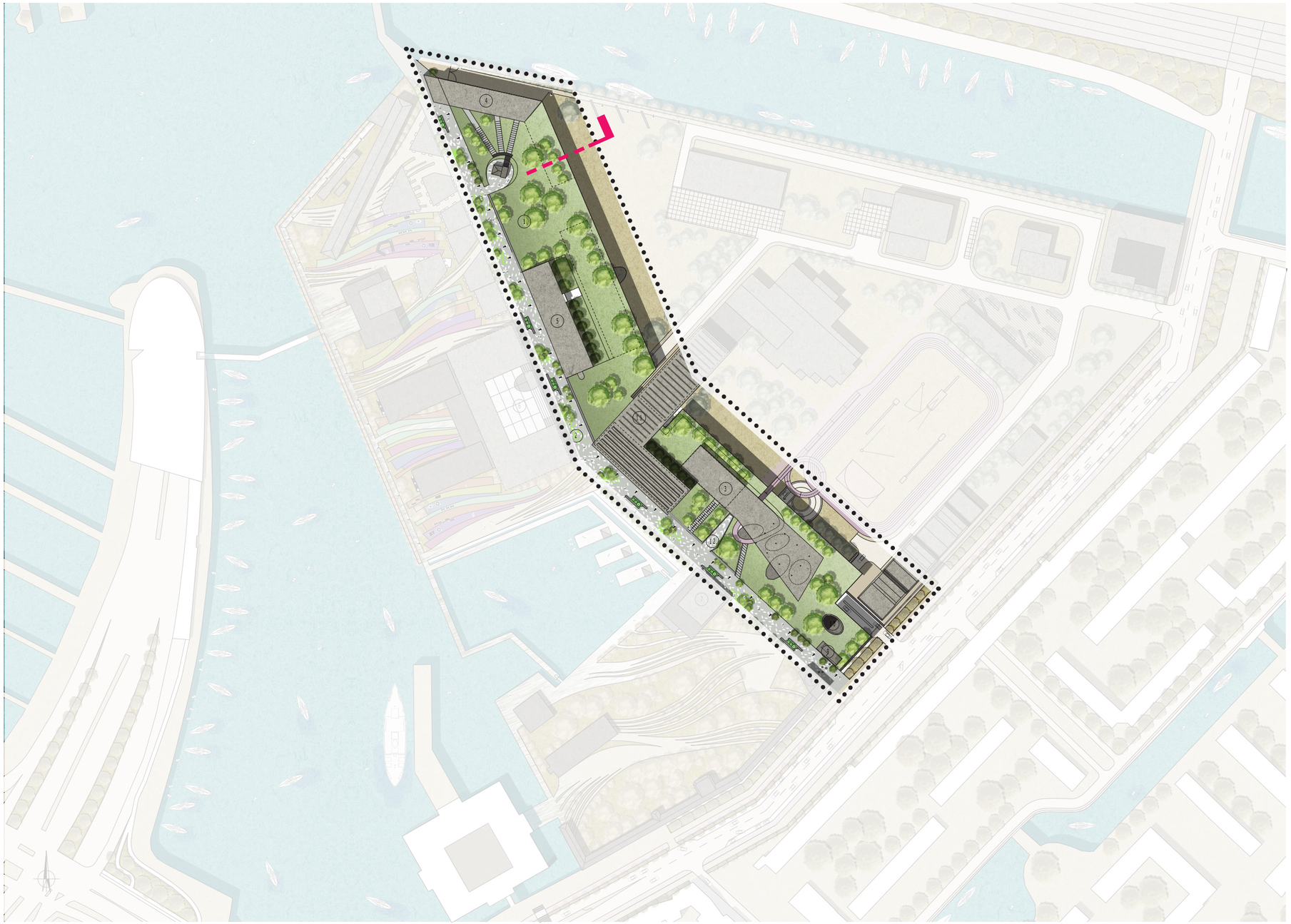

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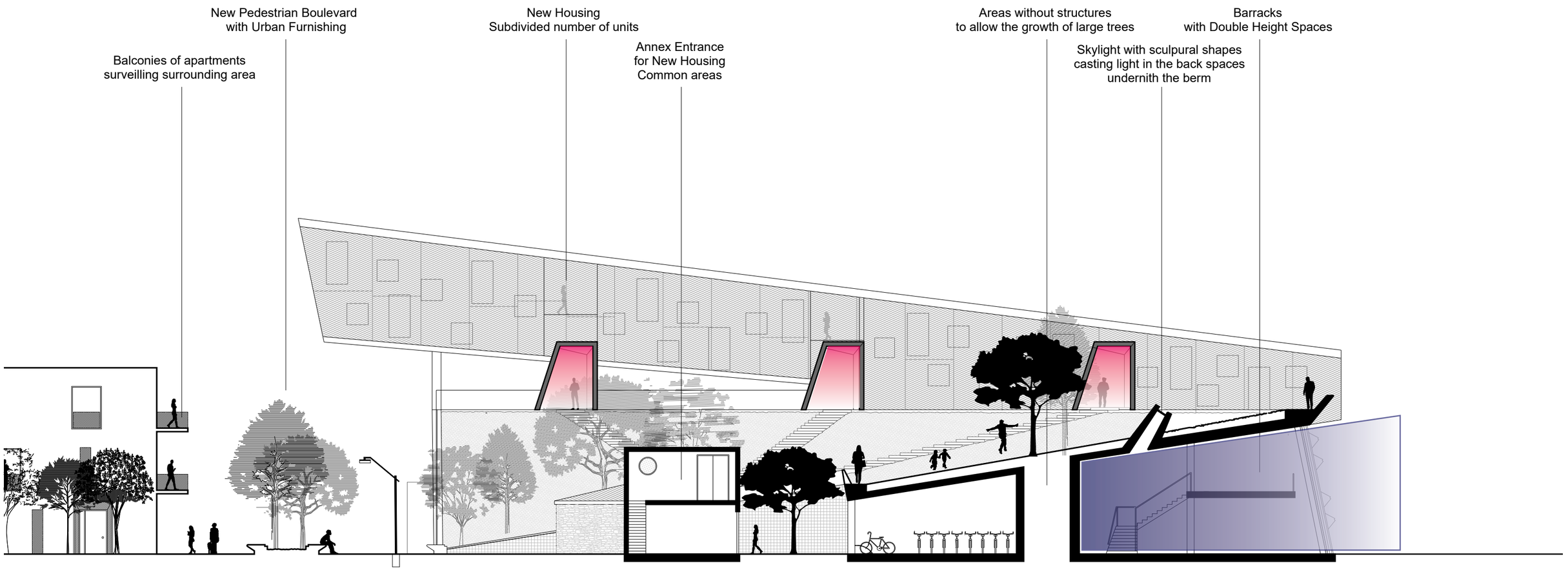
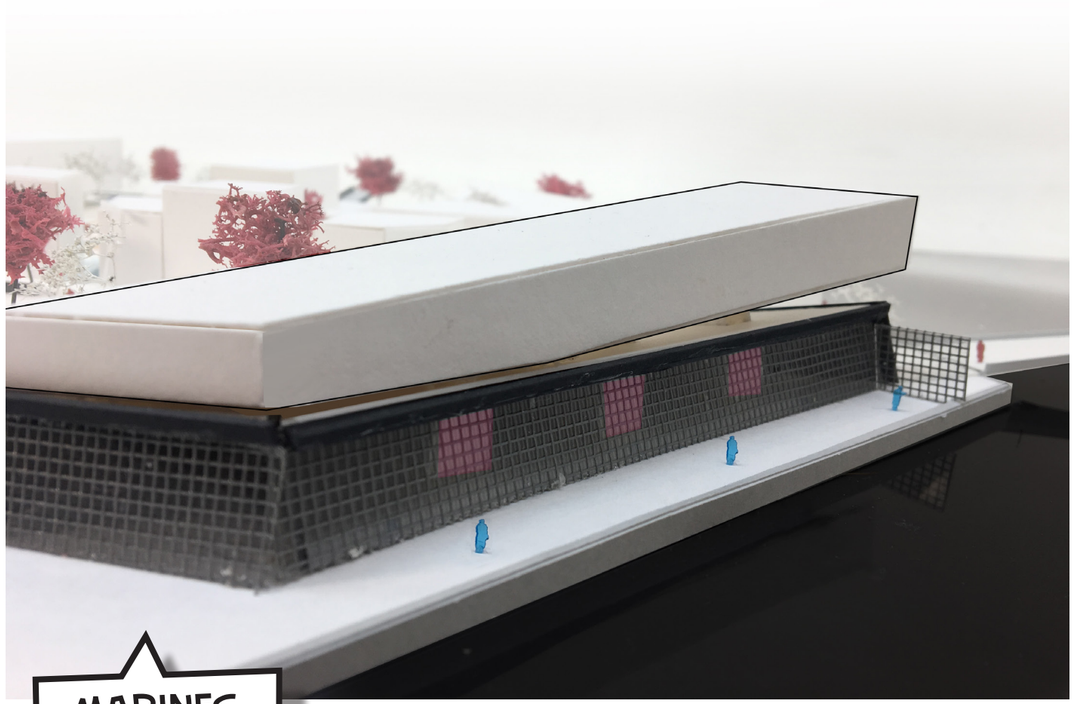


HOUSING | BOULEVARD | SHARED FACILITIES & HOUSING | BARRACKS | NAVY

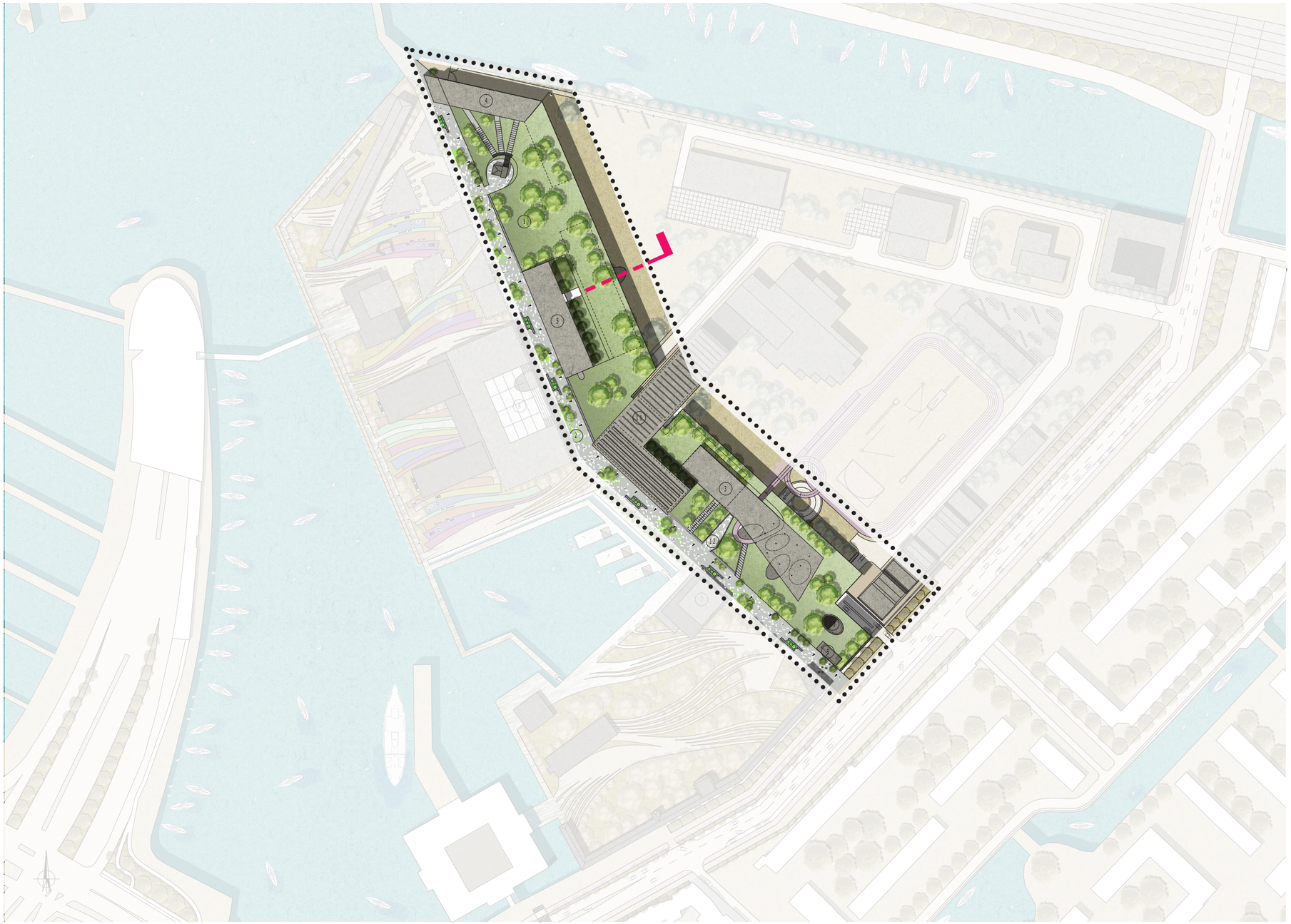
STUDENT HOUSING



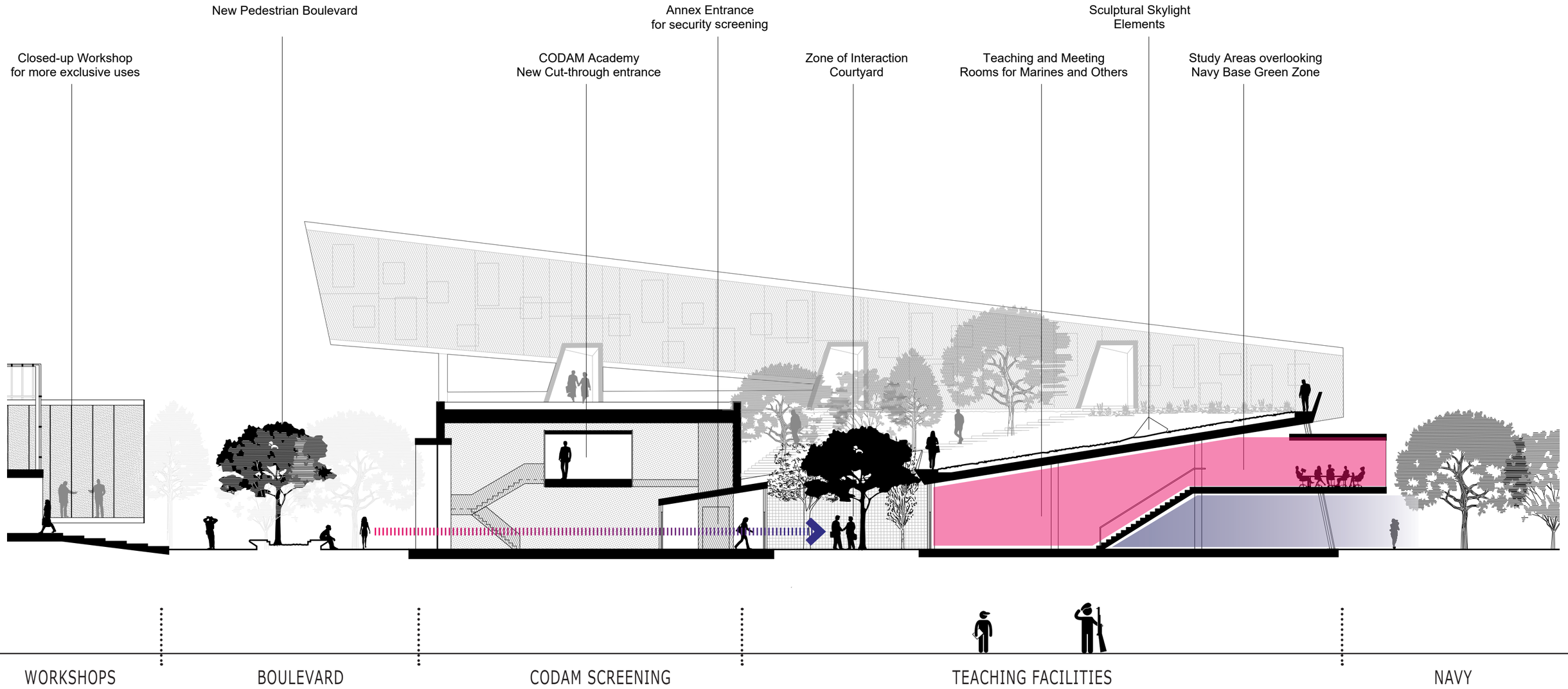


MARINES BARRACKS

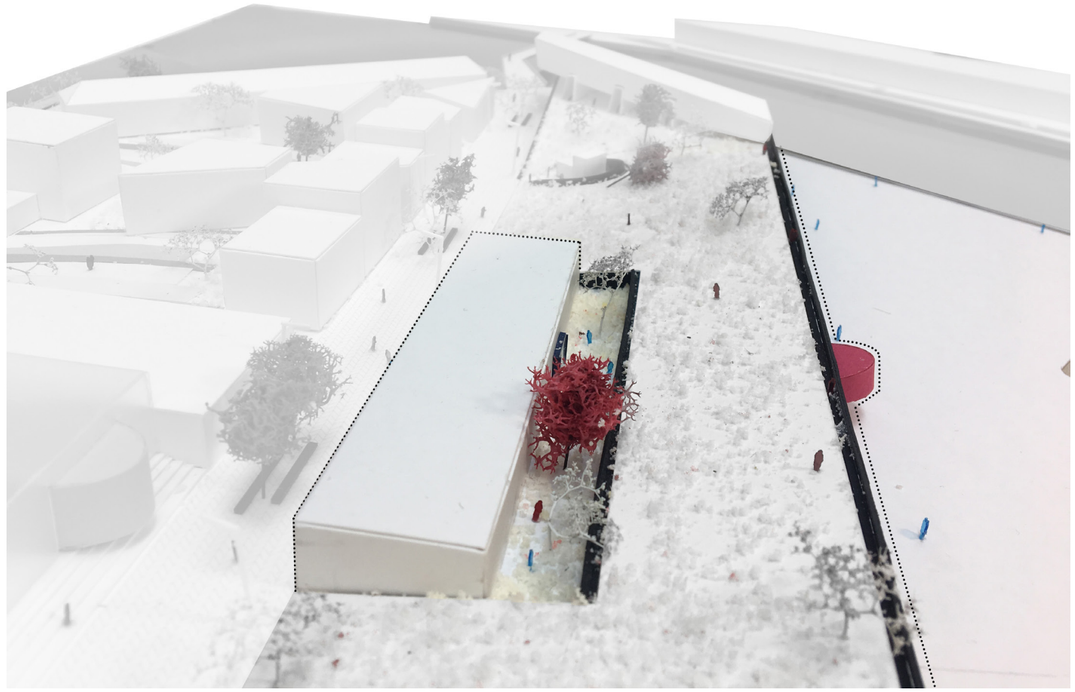
BUFFER ZONE

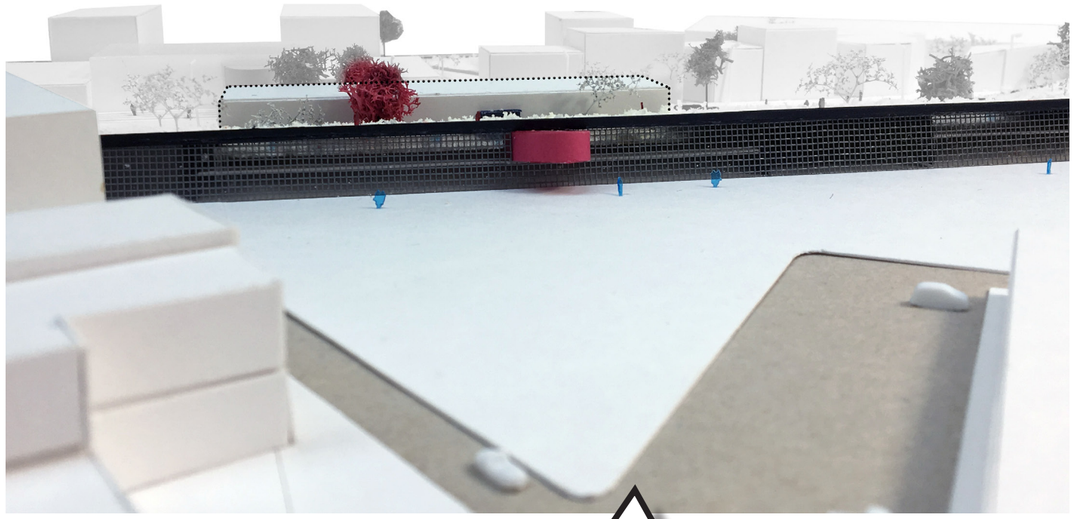


BUFFER ZONE


Closed-up Workshop
for more exclusive uses
New Pedestrian Boulevard
CODAM Academy
New Cut-through entrance
Annex Entrance
for security screening
Zone of Interaction
Courtyard
Teaching and Meeting
Rooms for Marines and Others
Sculptural Skylight
Elements
Study Areas overlooking
Navy Base Green Zone
WORKSHOPS
BOULEVARD
CODAM SCREENING
TEACHING FACILITIES
NAVY

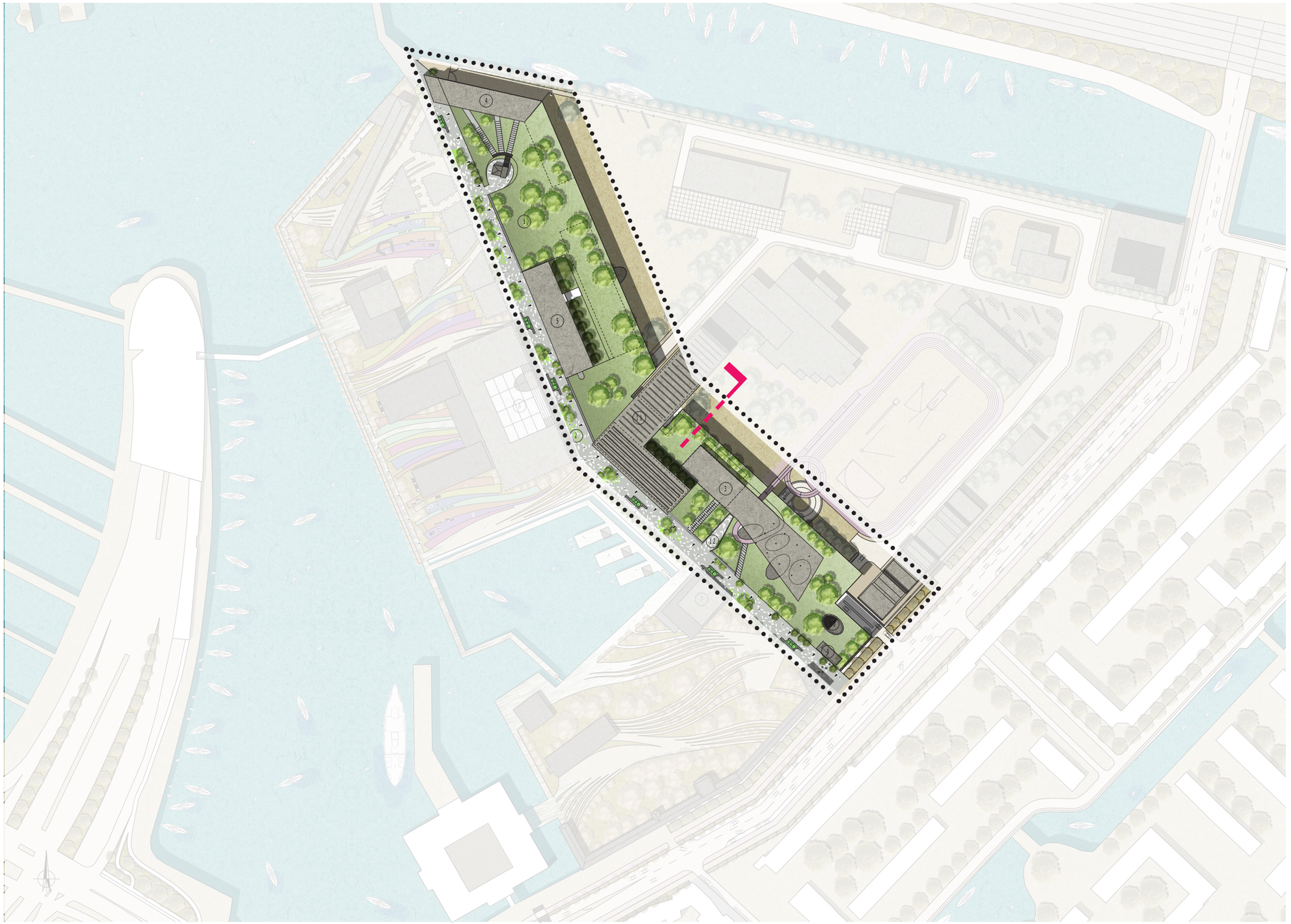
THE COURTYARD



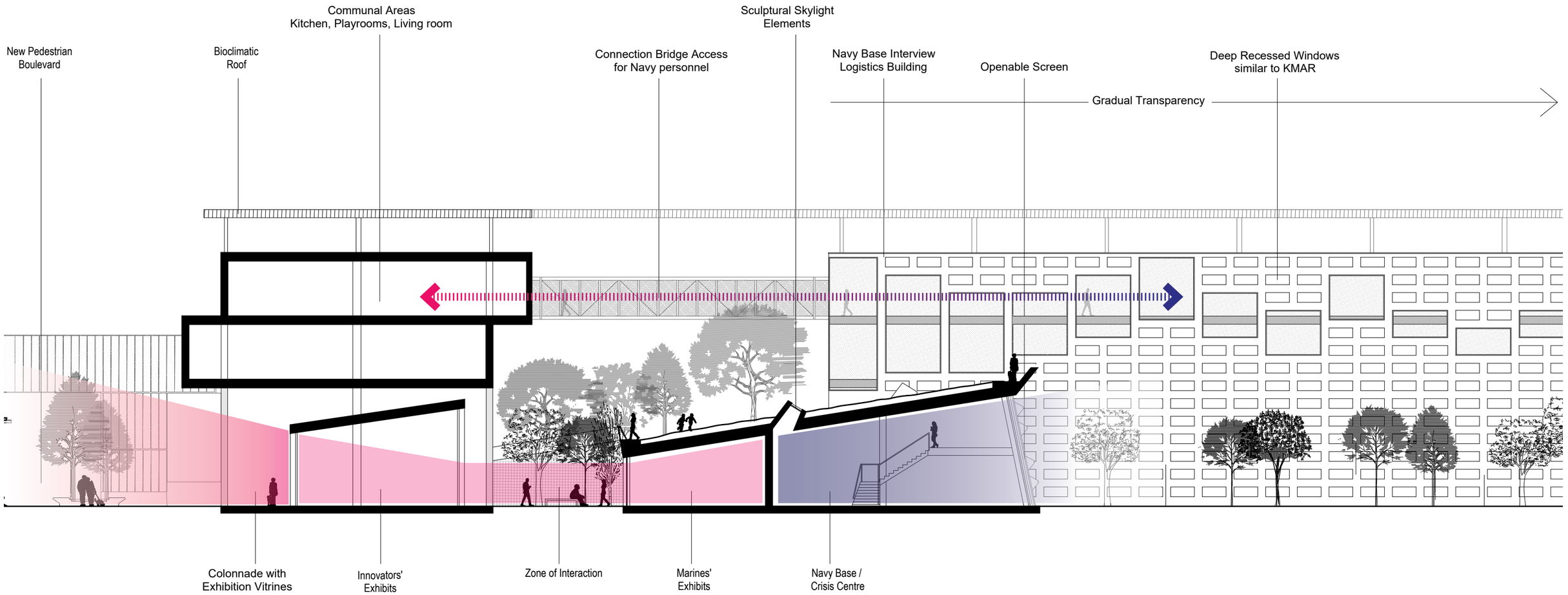


OVERLOOKING NAVY BASE

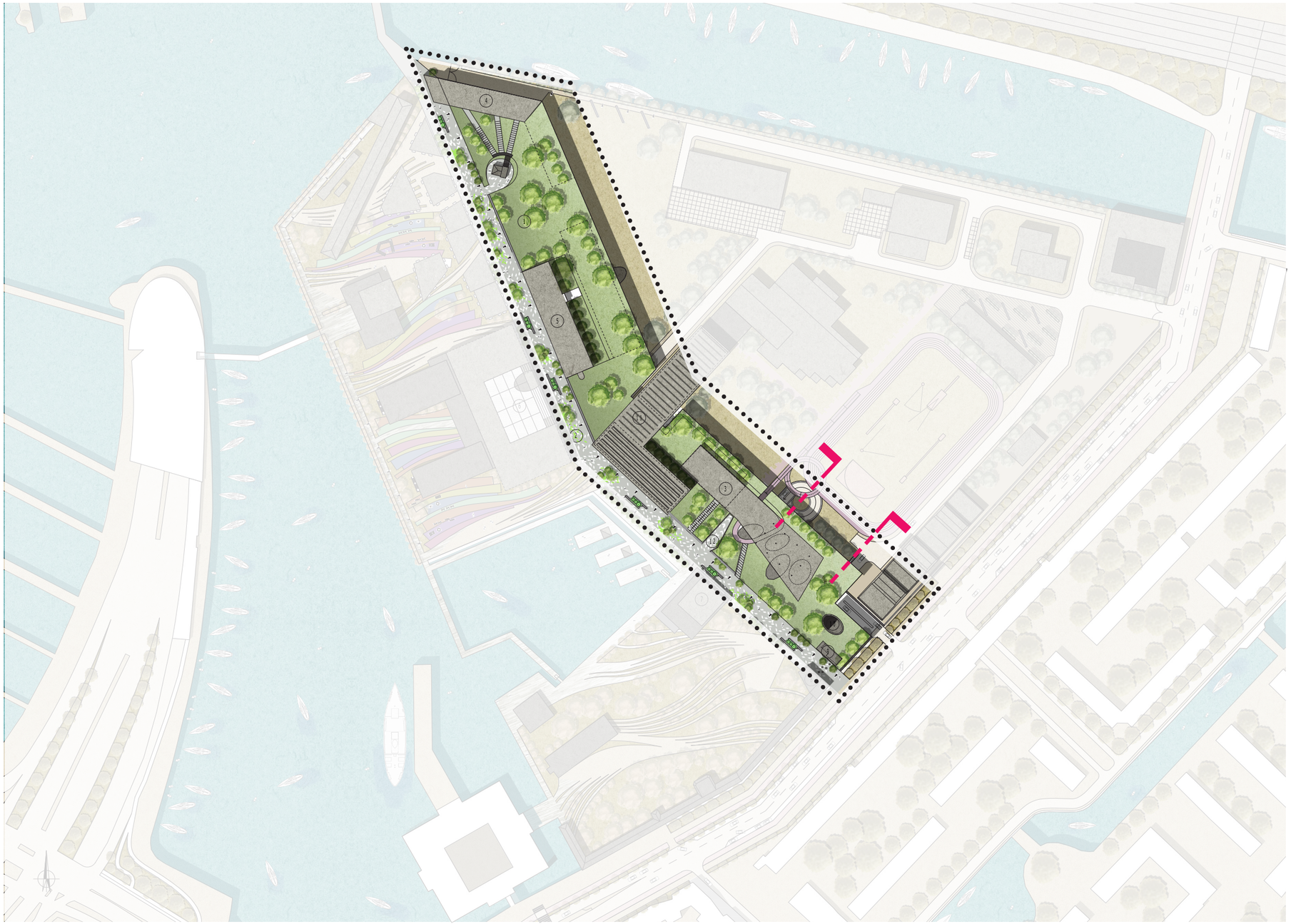
BUFFER ZONE



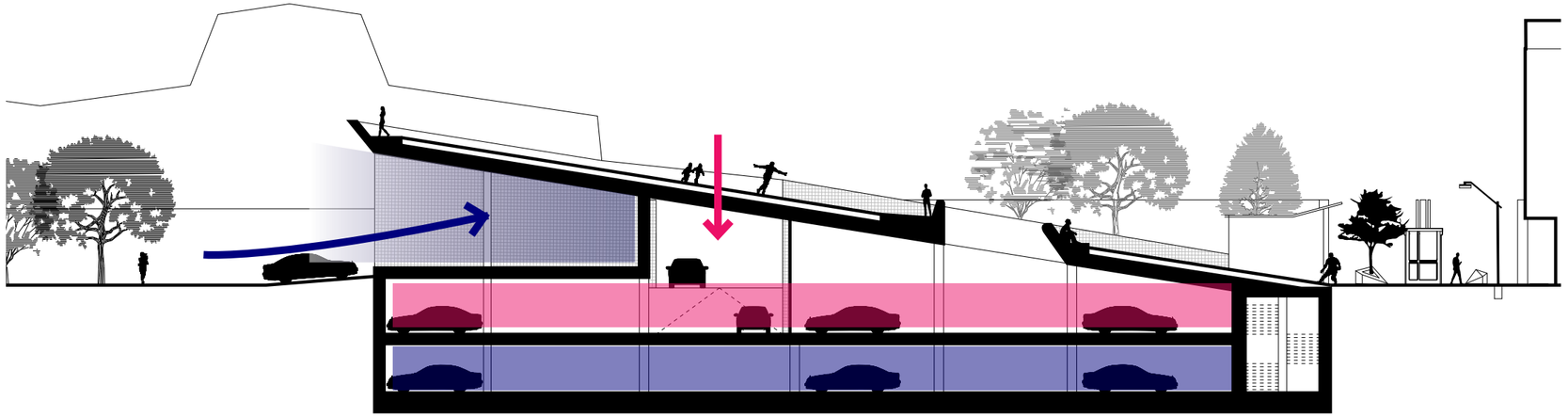
BUFFER ZONE

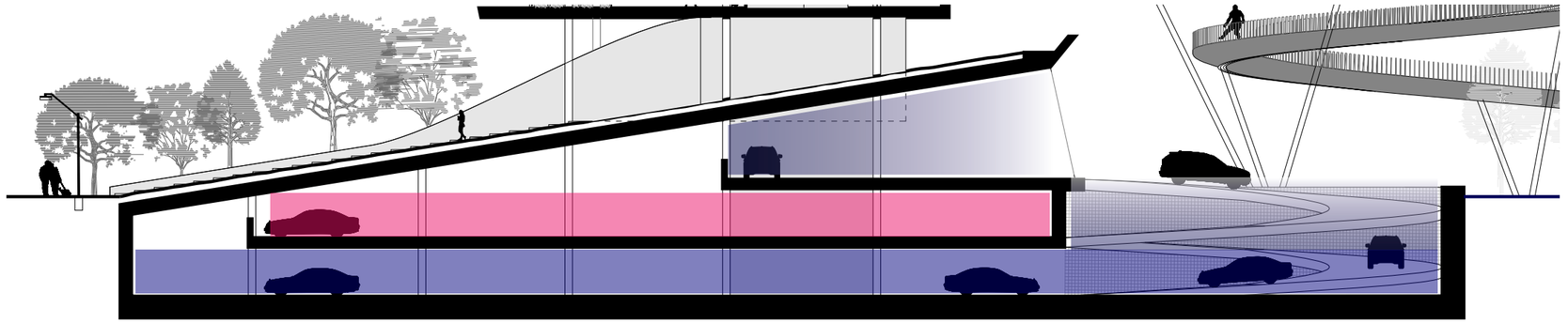

New Pedestrian Boulevard
Bioclimatic Roof
Communal Areas
Kitchen, Playrooms, Living room
Connection Bridge Access for Navy personnel
Sculptural Skylight Elements
Navy Base Interview Logistics Building
Openable Screen
Deep Recessed Windows similar to KMAR
Gradual Transparency
Colonnade with Exhibition Vitrines
Innovators' Exhibits
Zone of Interaction
Marines' Exhibits
Navy Base / Crisis Centre
BOULEVARD
ARCADE EXHIBITS
INNOVATORS & MARINES EXHIBITS
CRISIS CENTRE
NAVY

BUFFER ZONE



BUFFER ZONE





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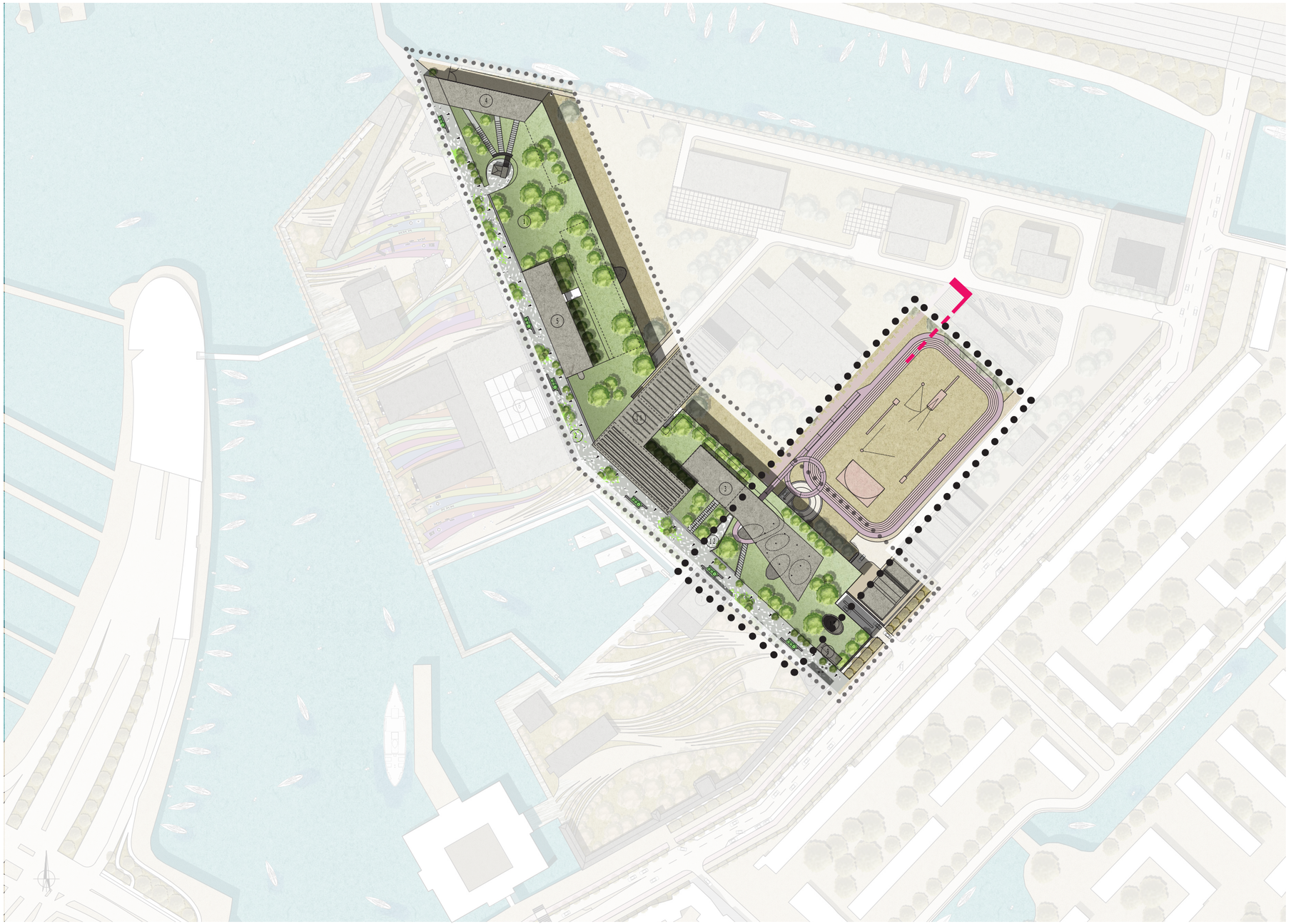
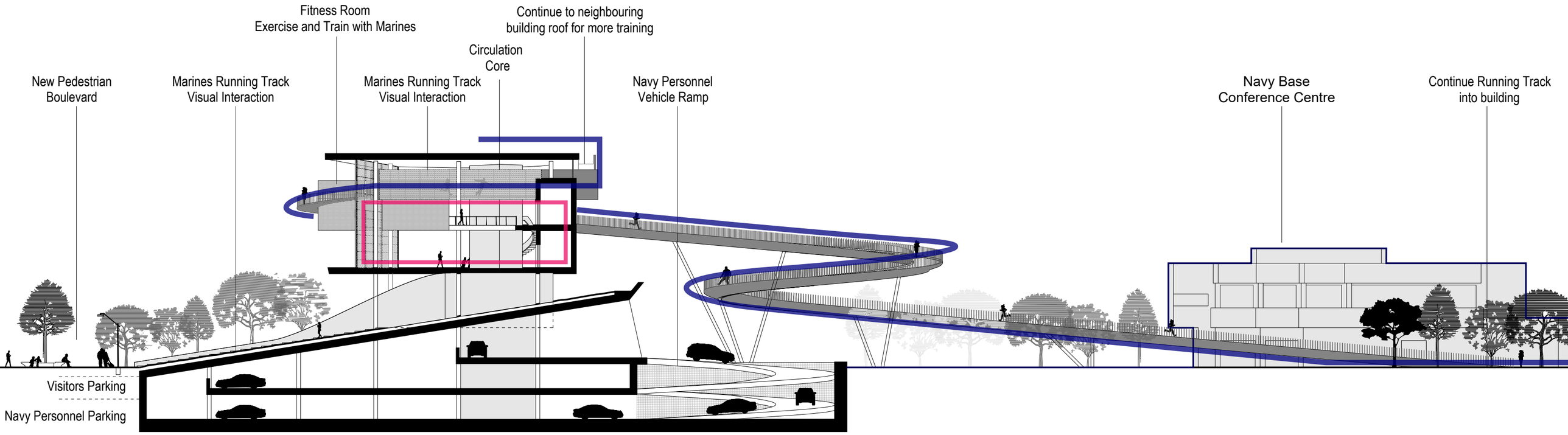
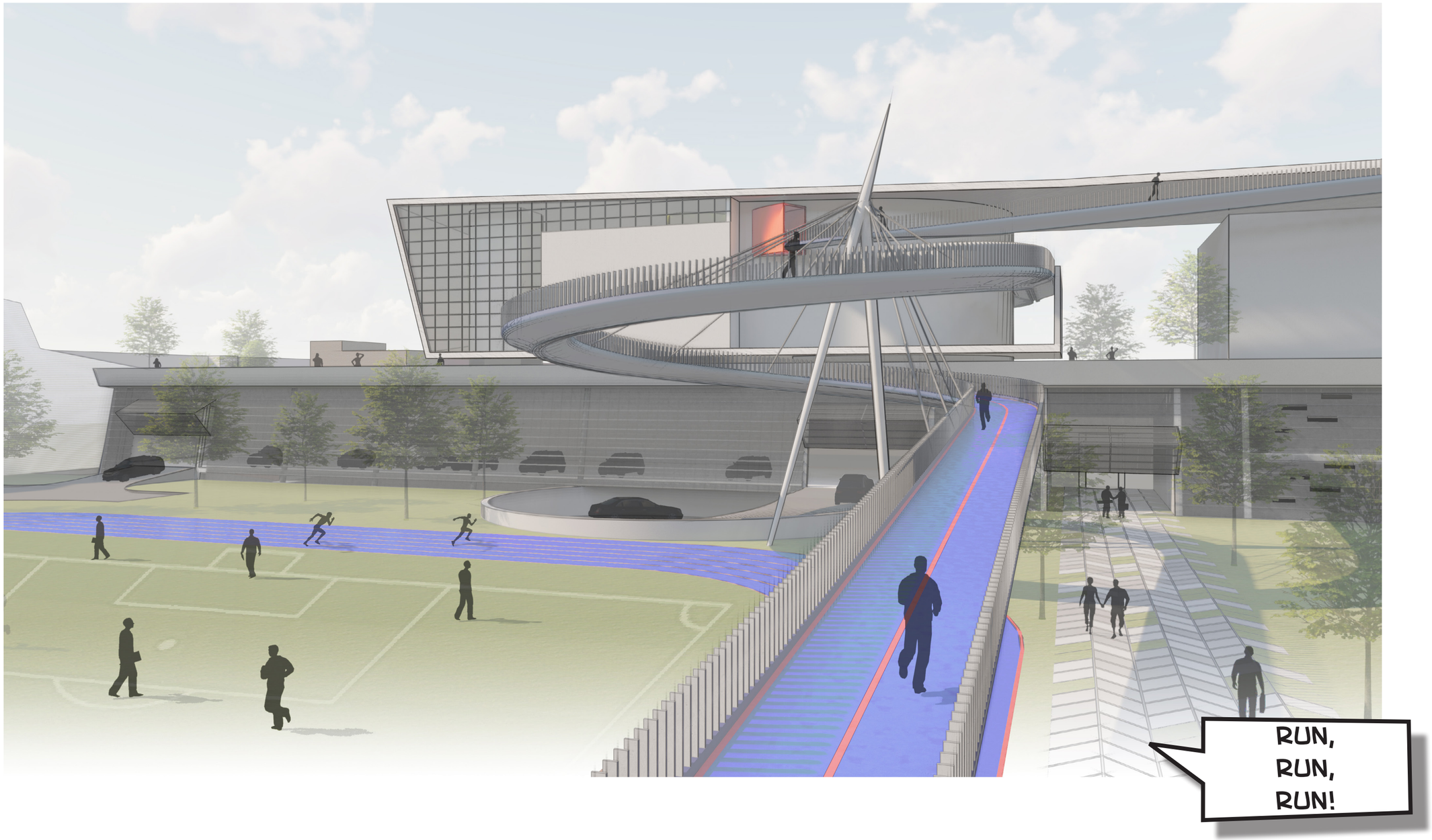


BUFFER ZONE



BOULEVARD | GREEN | SPORTS & CULTURE | NAVY / RUNNING TRACK


RUN,
RUN,
RUN!

ENCLOSED ROOMS / LAYERS OF PRIVACY FOR INTERACTION

MARINES - VISITORS INTERACTION

VISUAL

PHYSICAL

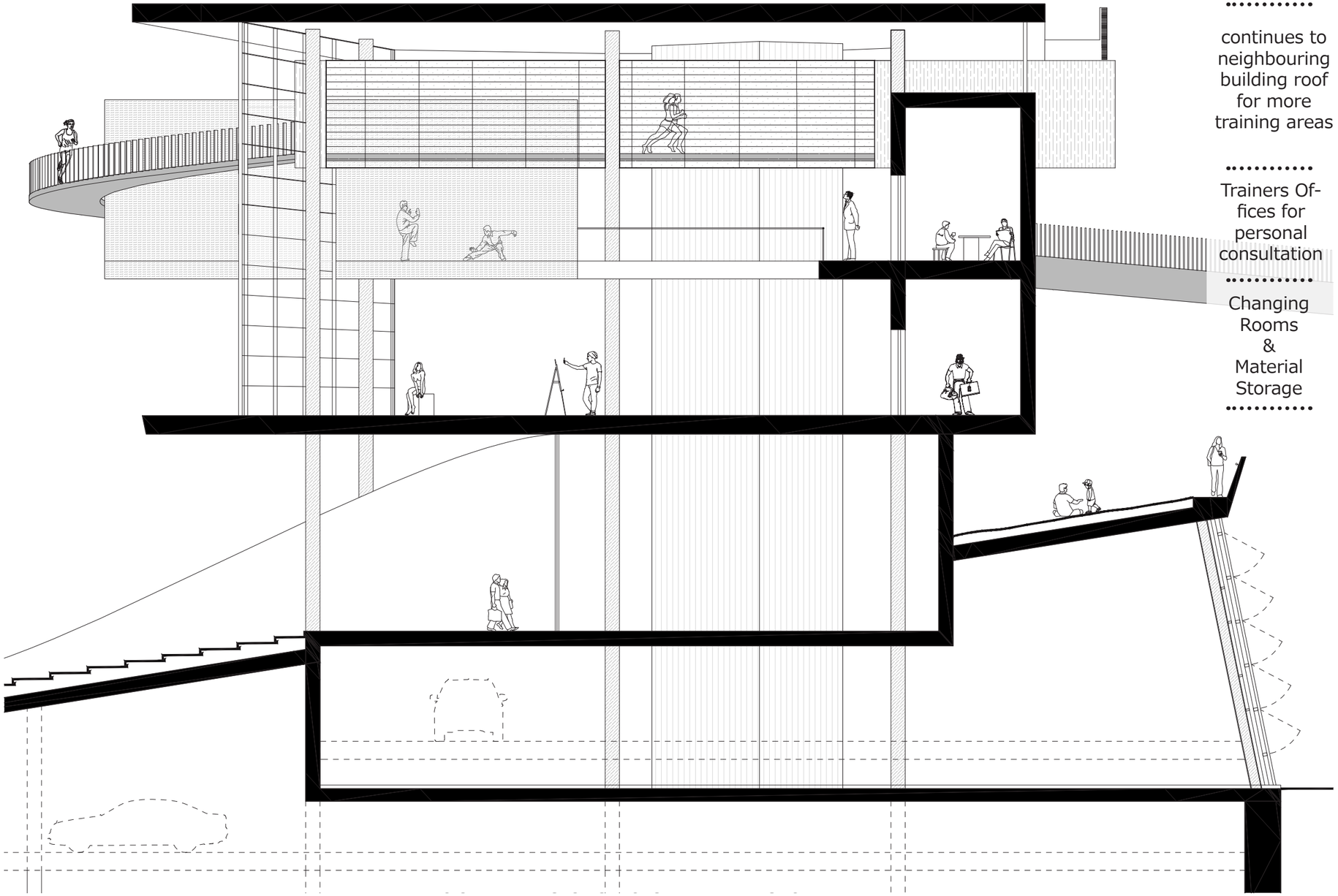
RUNNING TRACK

SPORTS

CULTURE

ANNEX ENTRANCE

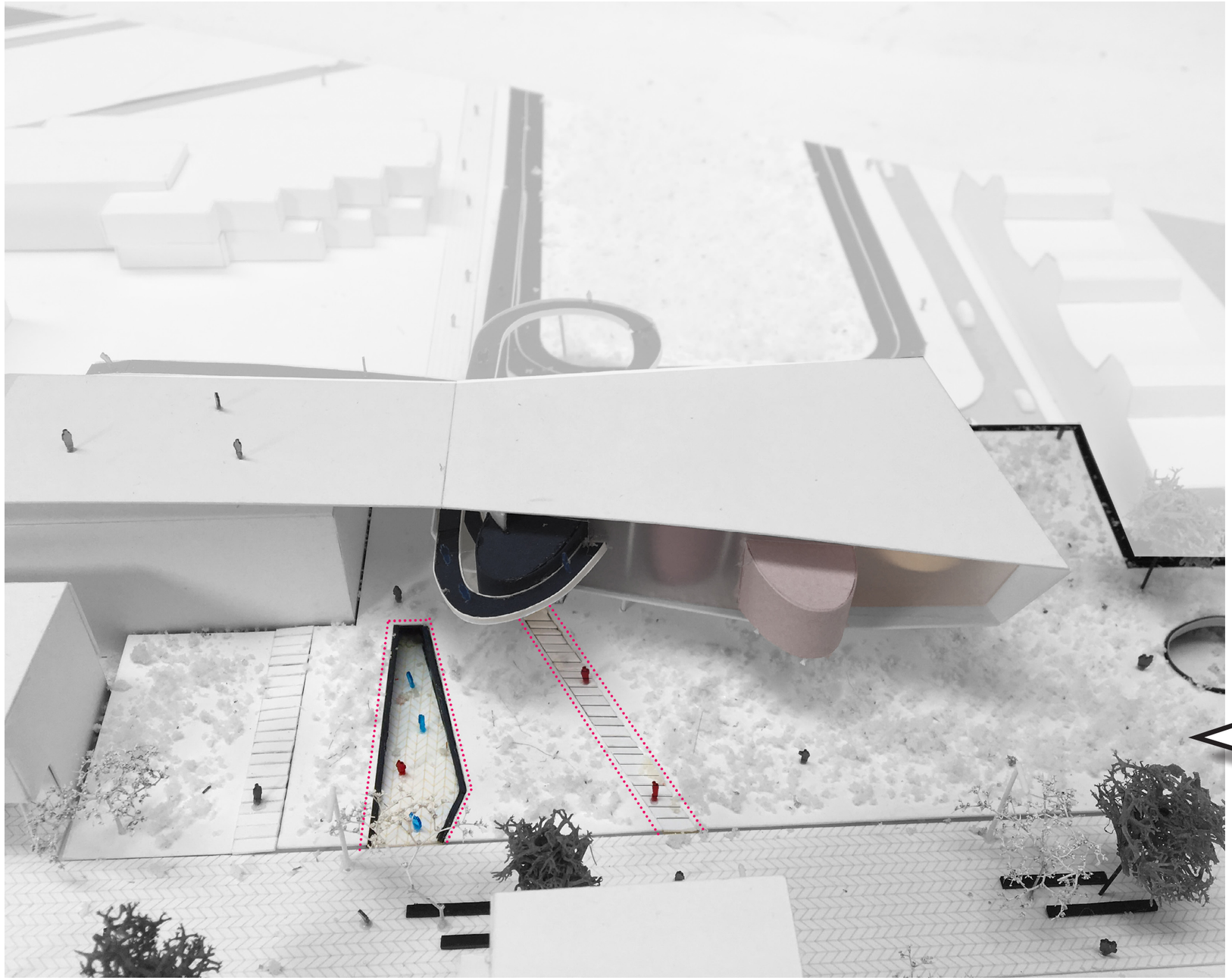
GROUND FLOOR ACCESS & NAVY ENTRANCE

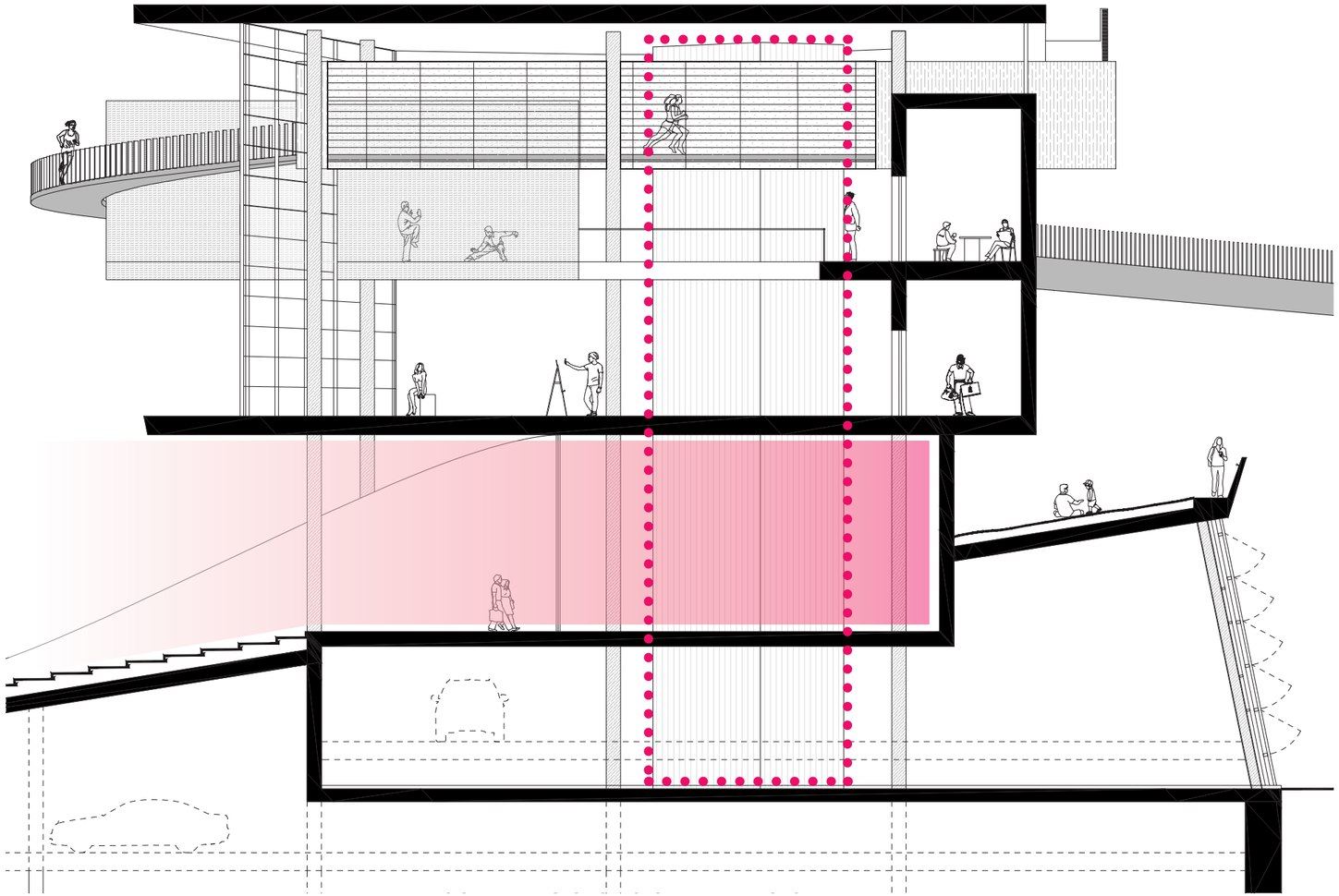


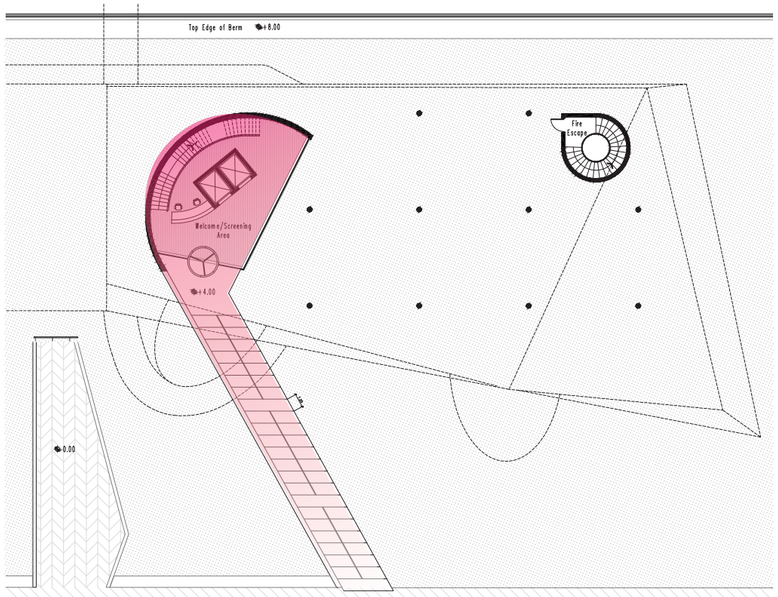
continues to neighbouring building roof for more training areas

Trainers Offices for personal consultation

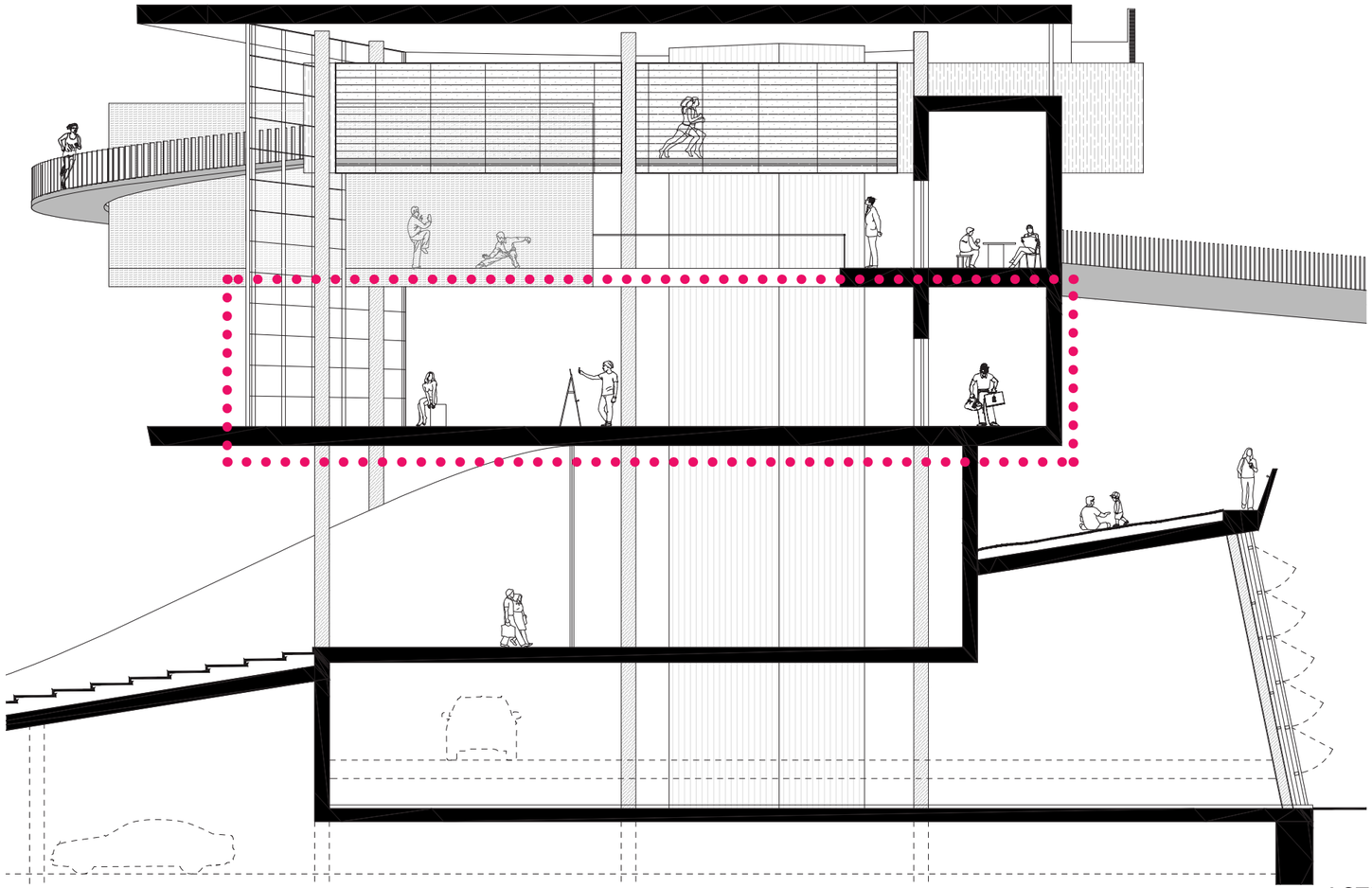
Changing Rooms & Material Storage

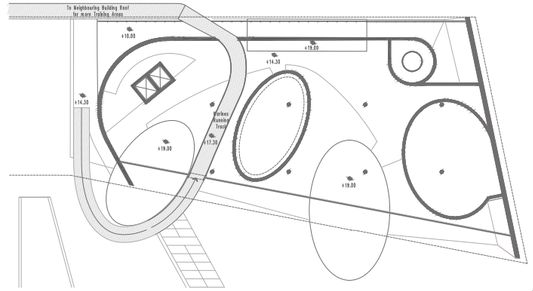

LET'S ENTER THE BUILDING!



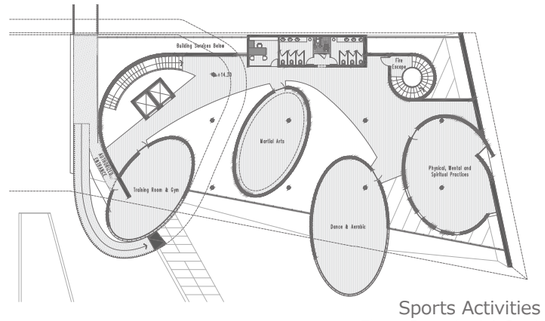


ANNEX ENTRANCE (+10.0M)



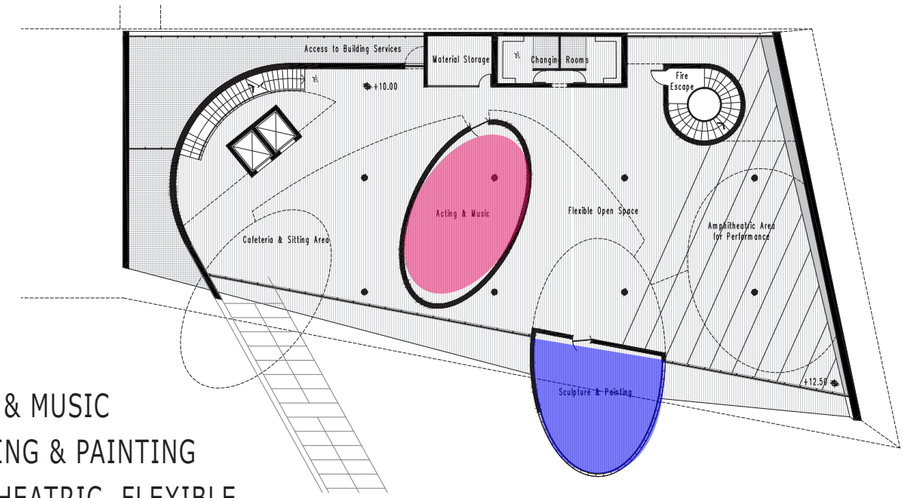


Running Track
Floor Plan (+17.3m)

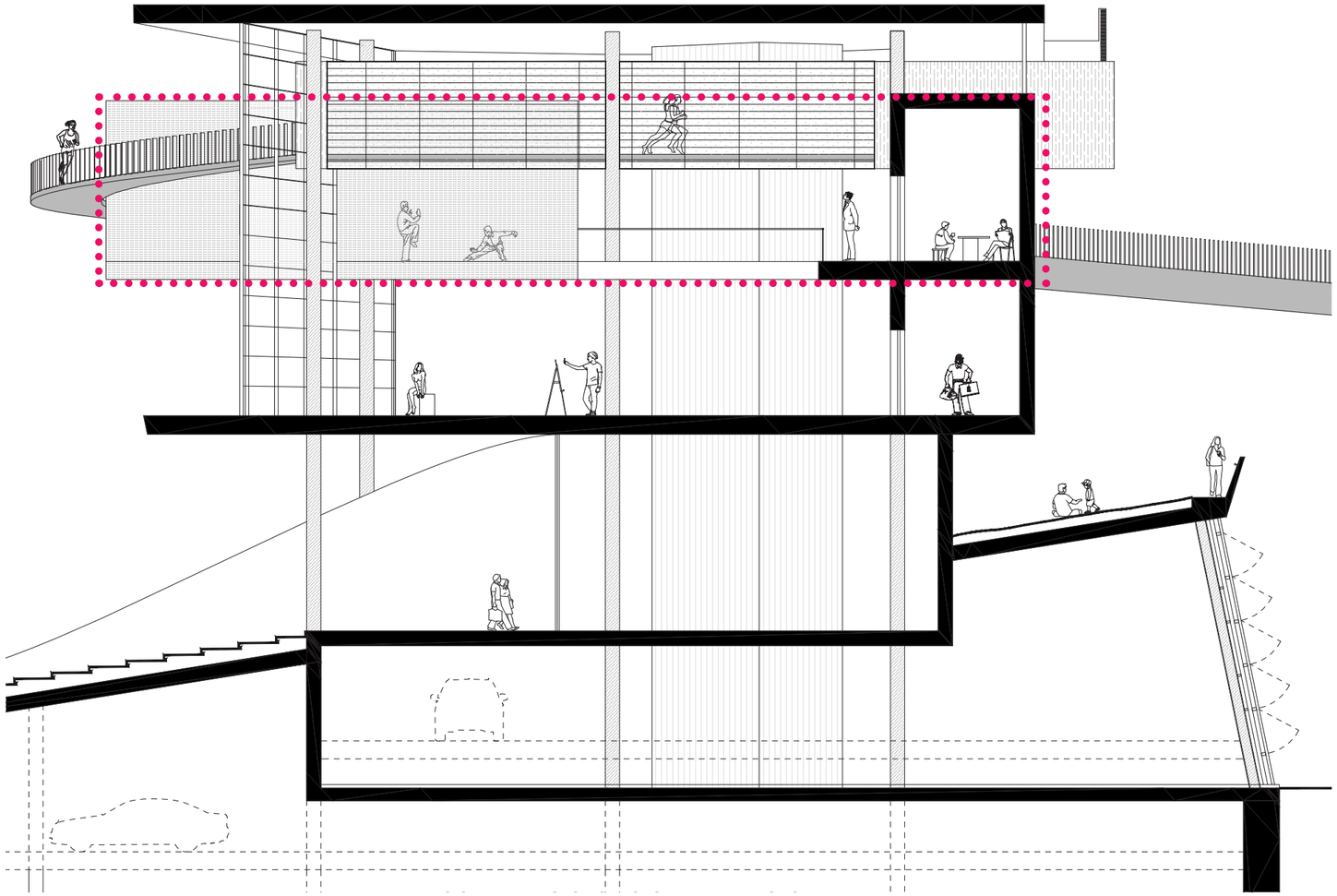


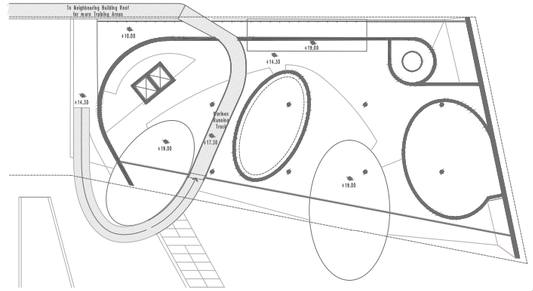
Sports Activities
Floor Plan (+14.3m)

- ACTING & MUSIC
- SCULPTING & PAINTING
- AMPHITHEATRIC, FLEXIBLE SPACE, CAFETERIA

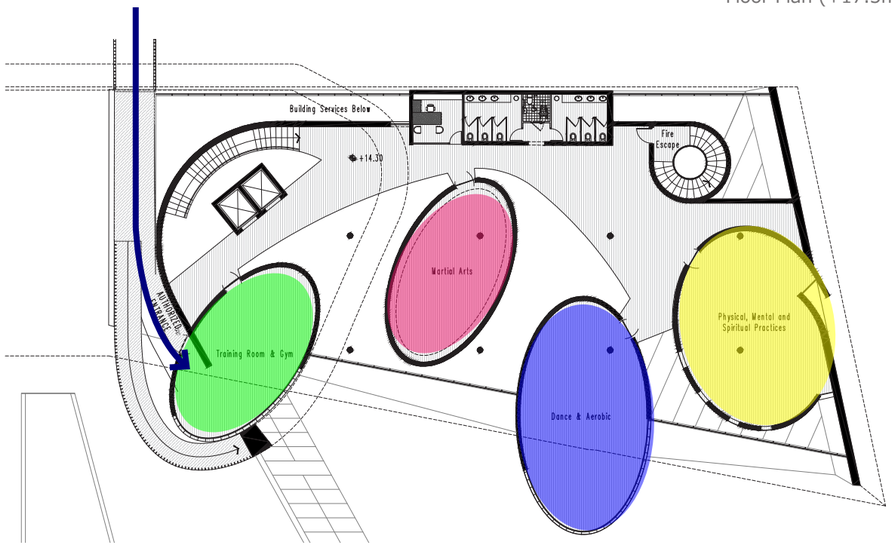


CULTURE ACTIVITIES
FLOOR PLAN (+10.0M)



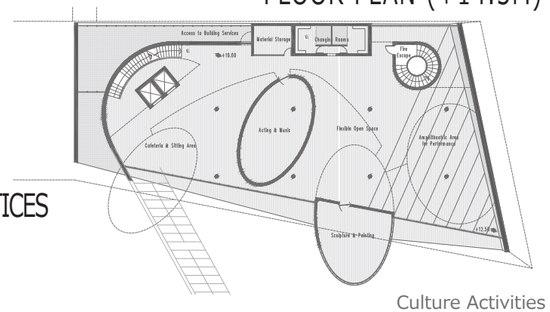


Running Track
Floor Plan (+17.3m)

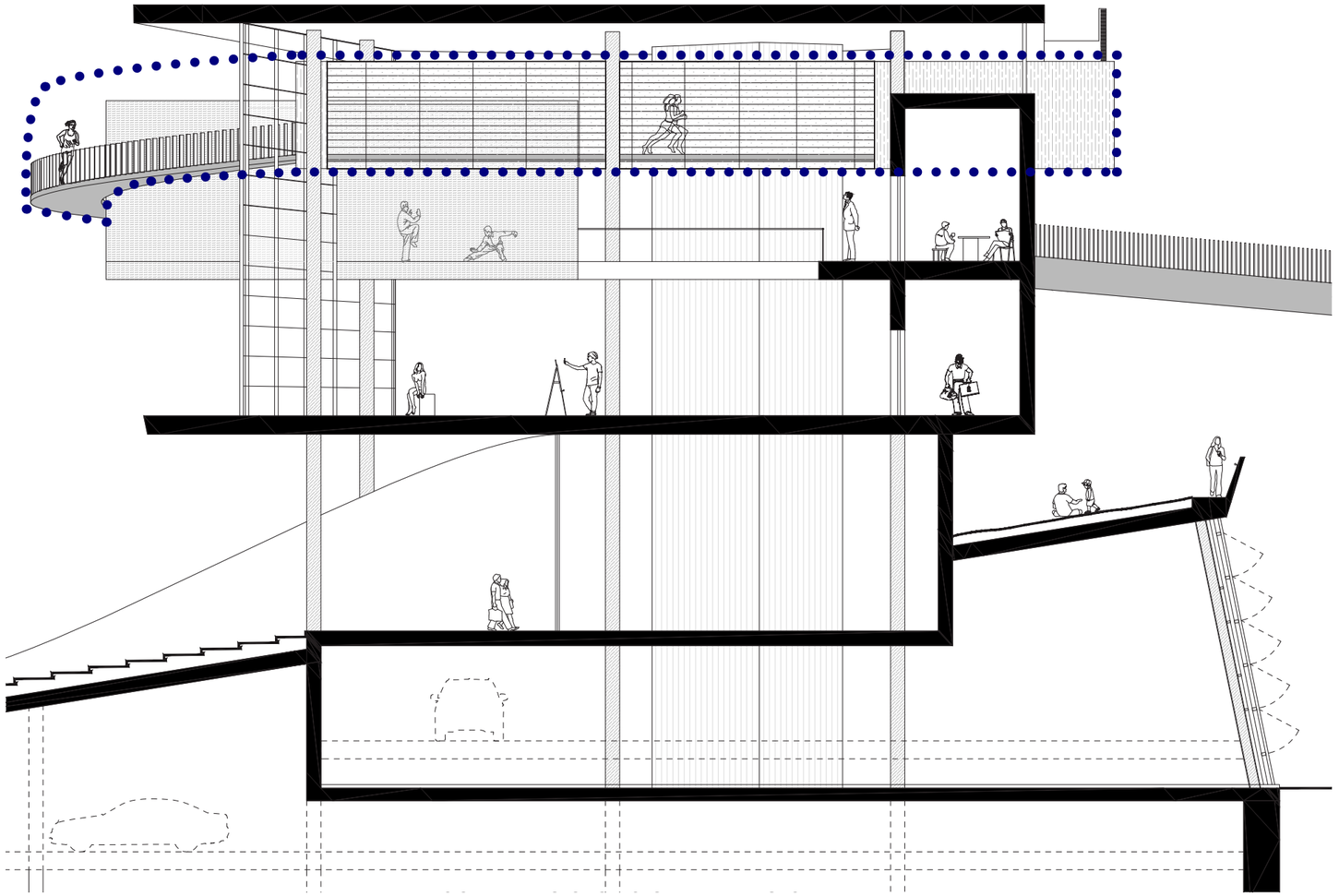


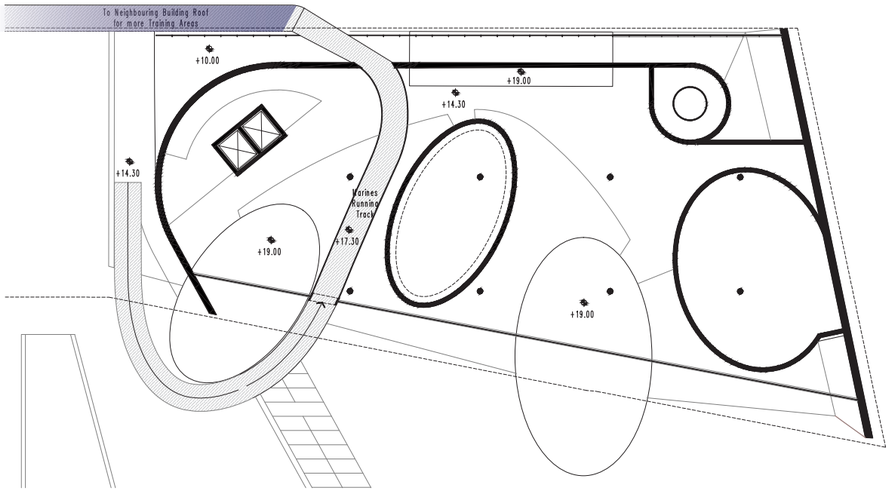
SPORTS ACTIVITIES
FLOOR PLAN (+14.3M)

- MARTIAL ARTS
- DANCE & AEROBICS
- PHYSICAL/MENTAL/SPIRITUAL PRACTICES
- TRAINING ROOM / GYM
- CIRCULATION & OBSERVATION AREA

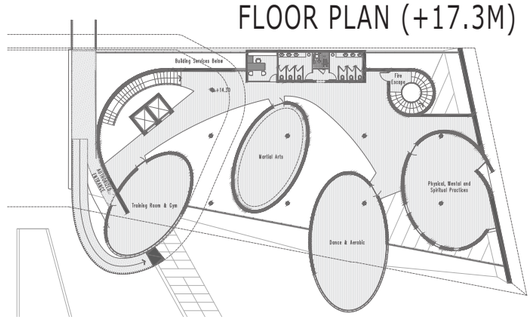


Culture Activities
Floor Plan (+10.0m)

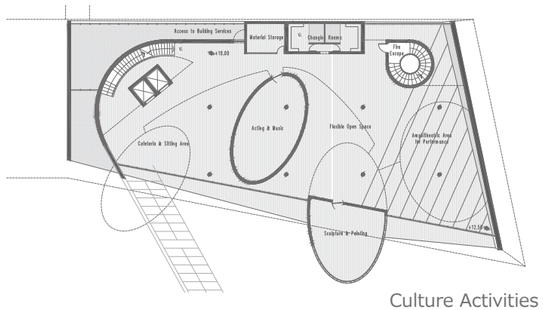




RUNNING TRACK
FLOOR PLAN (+17.3M)

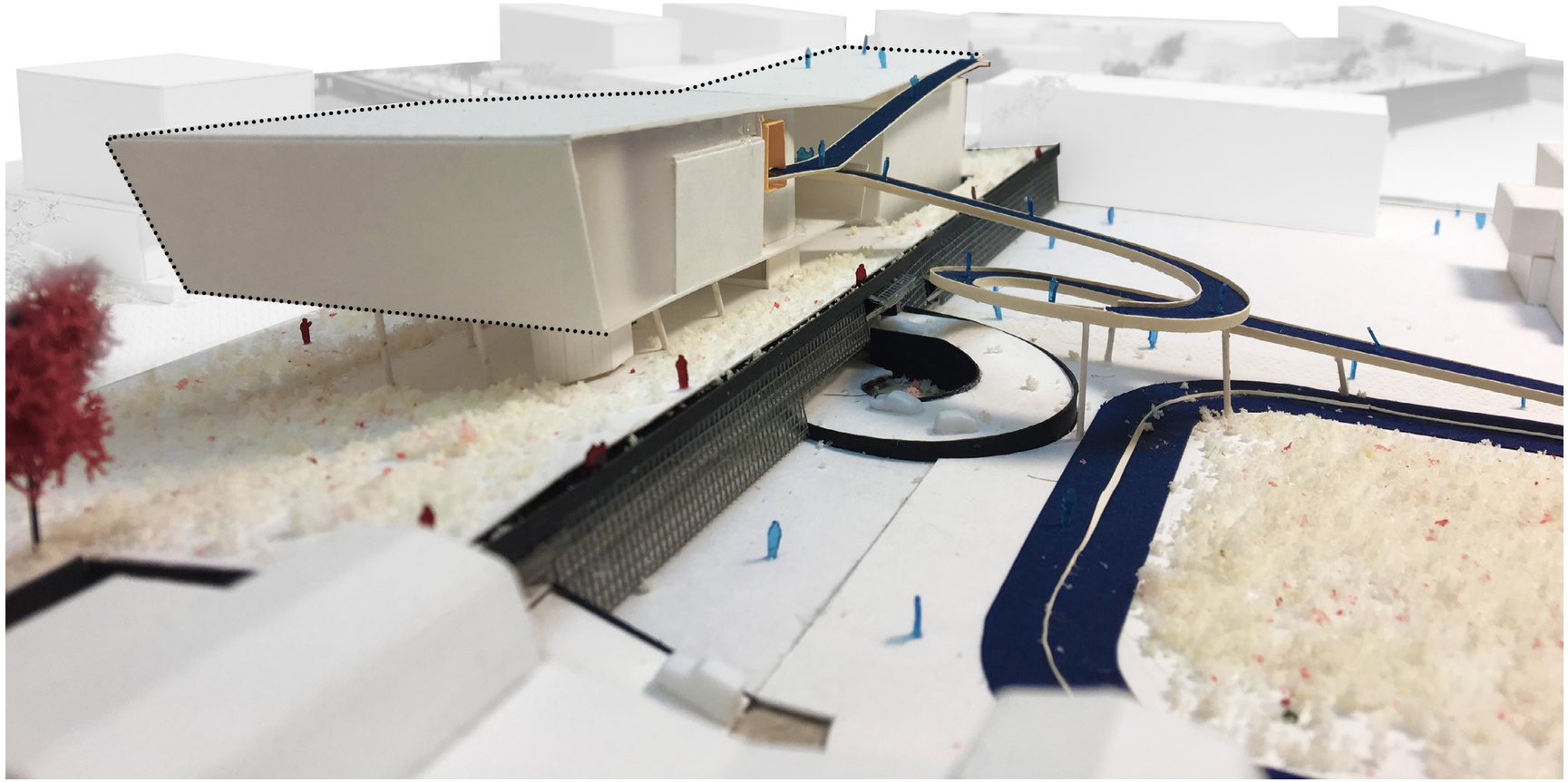


Sports Activities
Floor Plan (+14.3m)



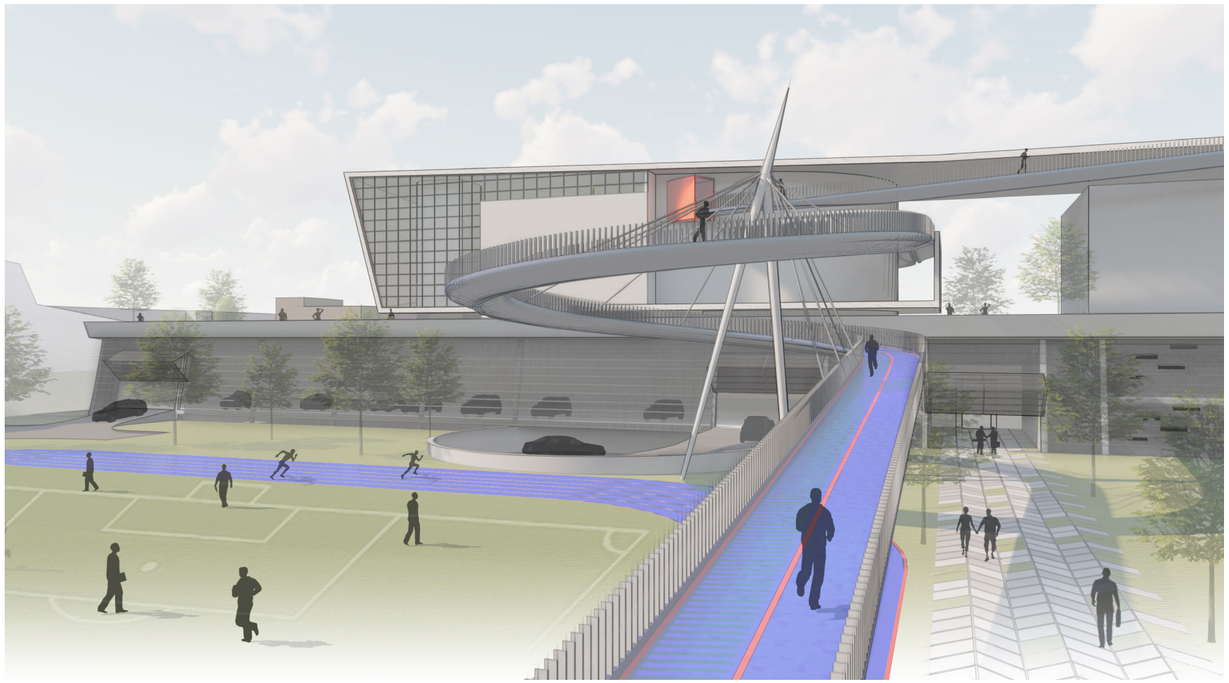
Culture Activities
Floor Plan (+10.0m)

MORE TRAINING ON THE ROOF ...

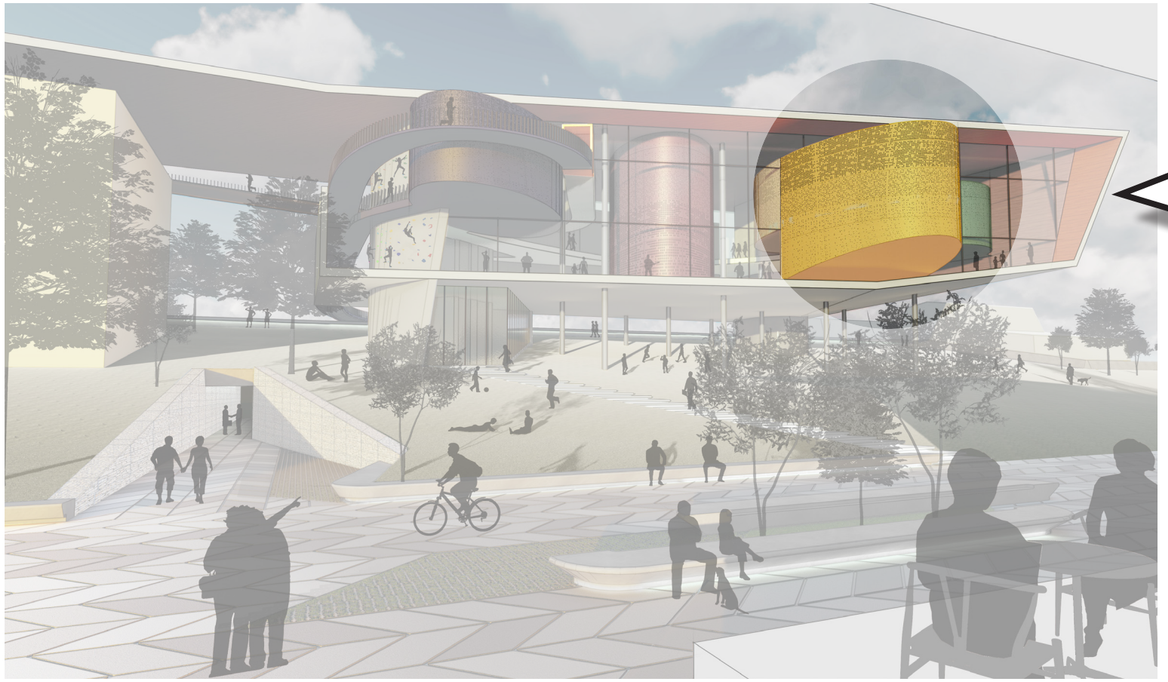


CIVILLIANS FACADE

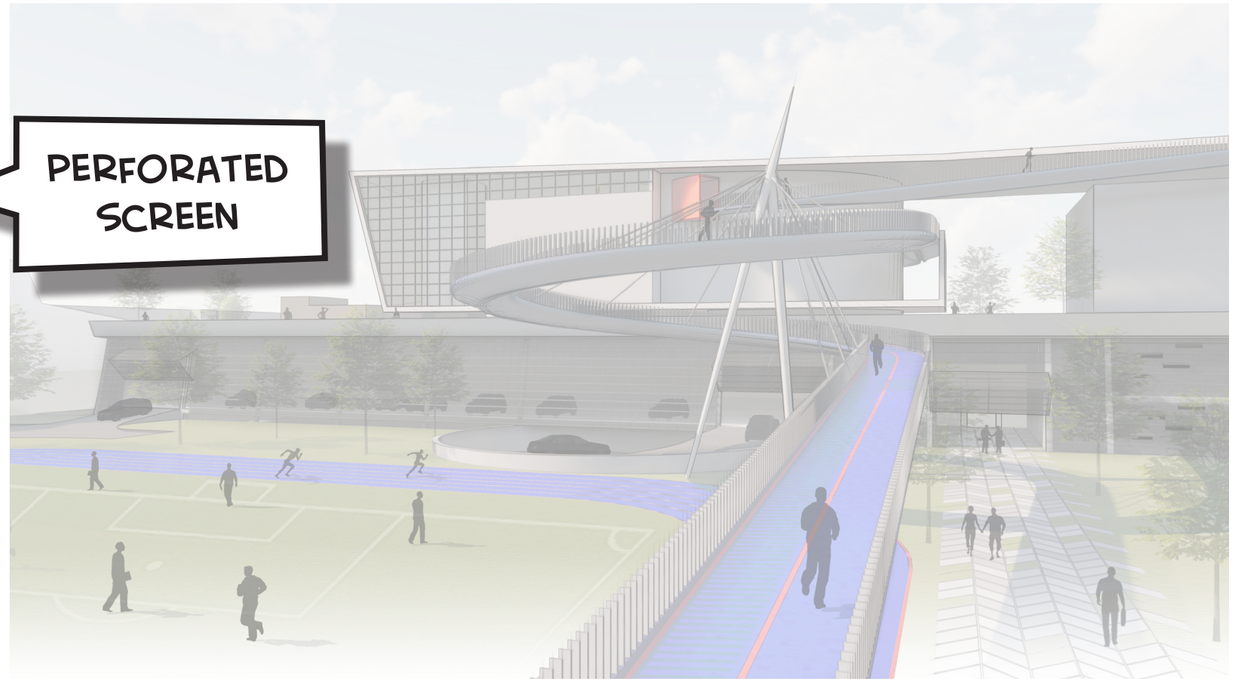


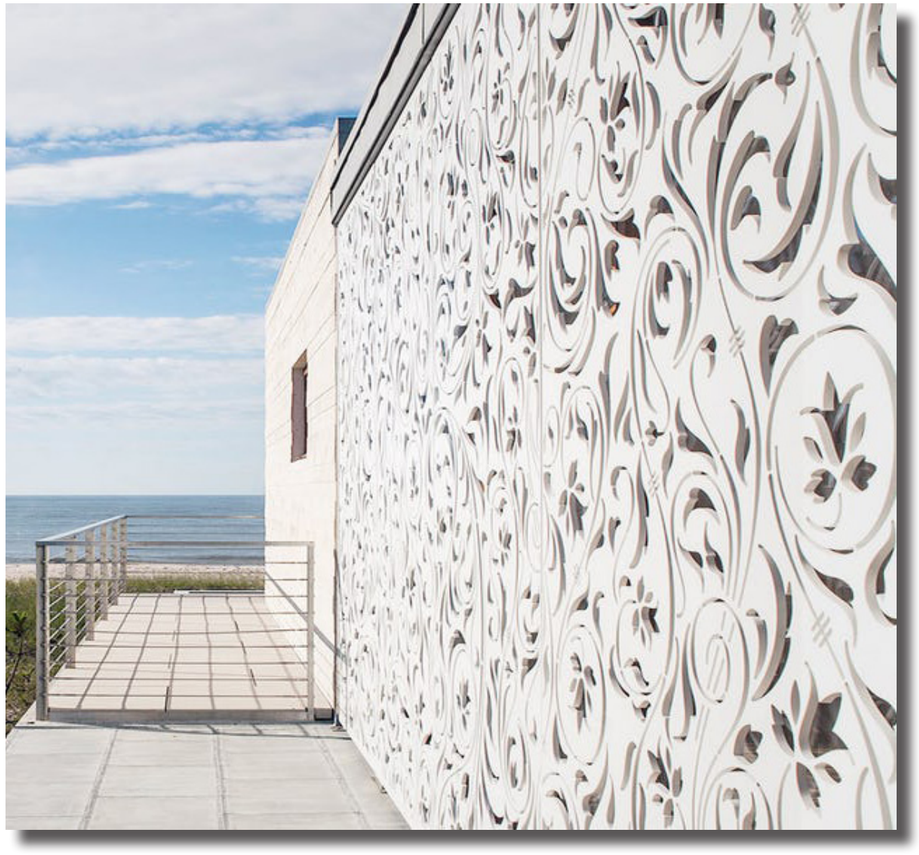


MARINES FACADE

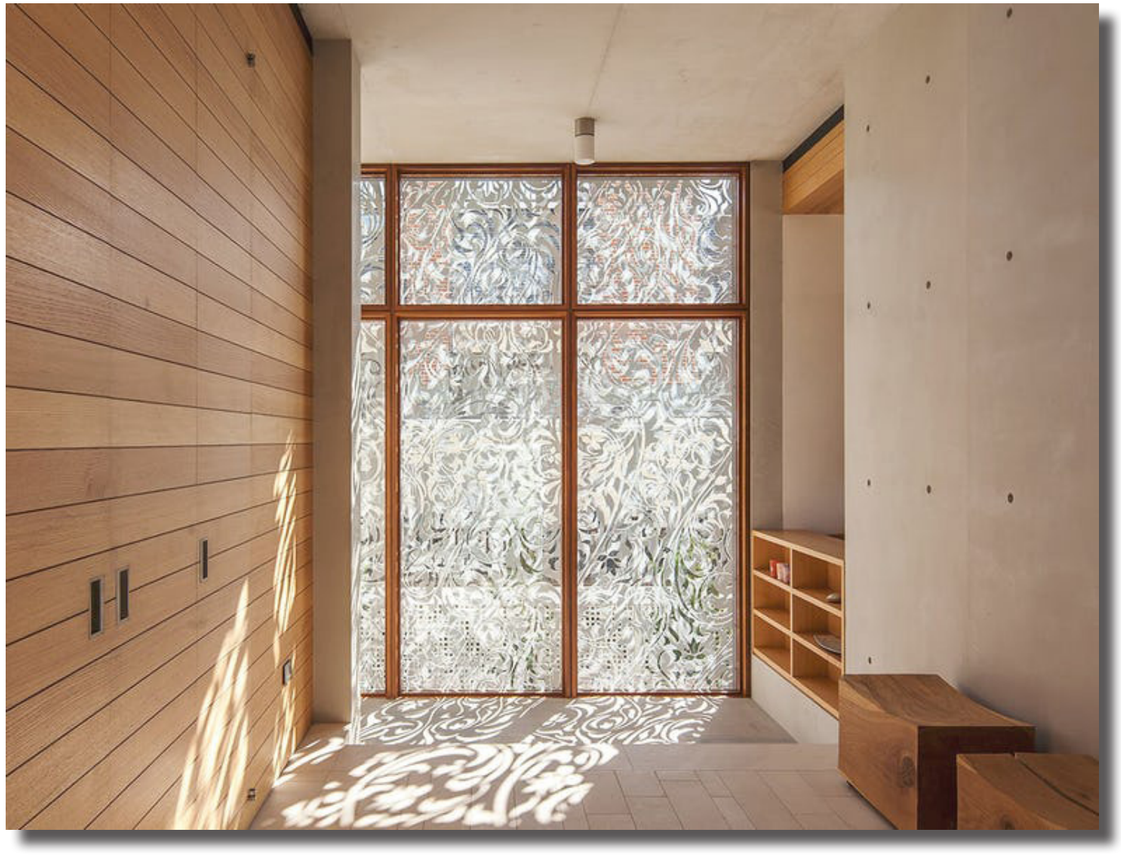


PERFORATED SCREEN





PROTECTS INTERIORS FROM PRYING EYES ...

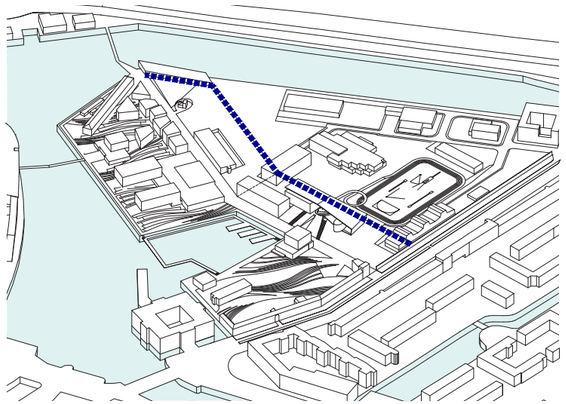


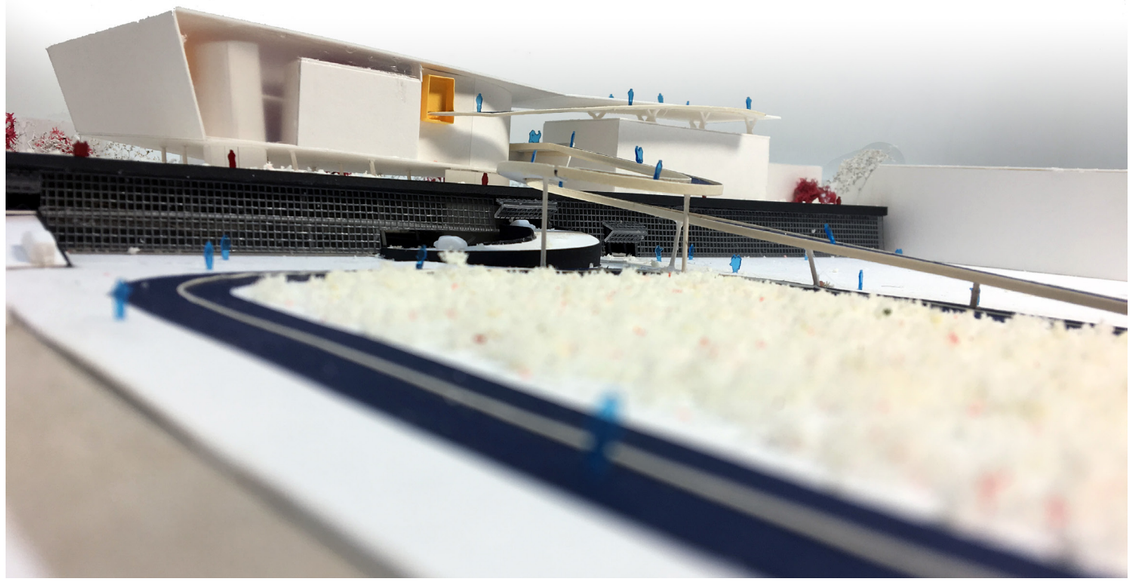
WHILE ENHANCING THE SPACE WITH NATURAL LIGHT

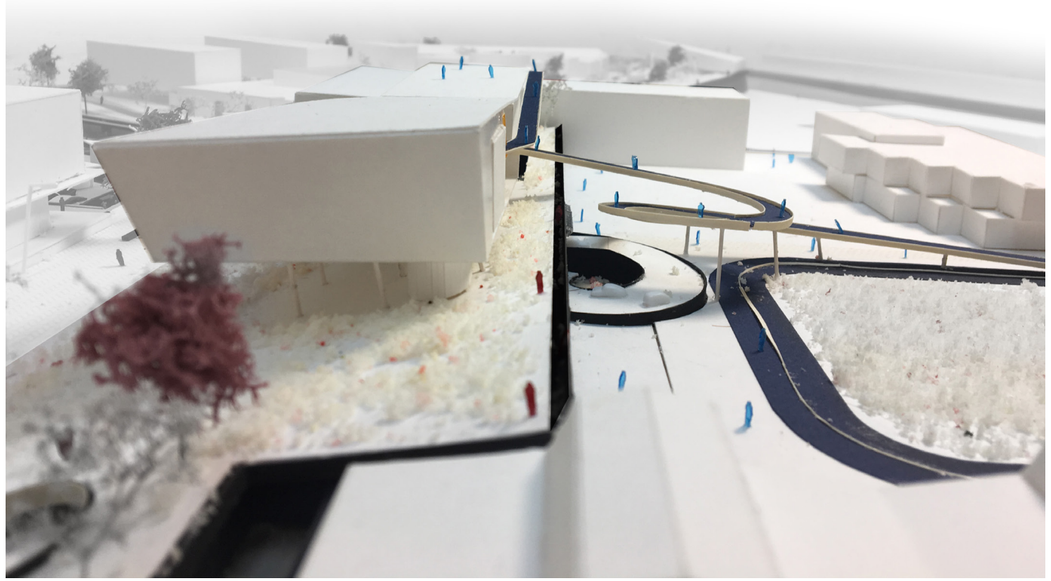
EDGE OF THE SLOPE

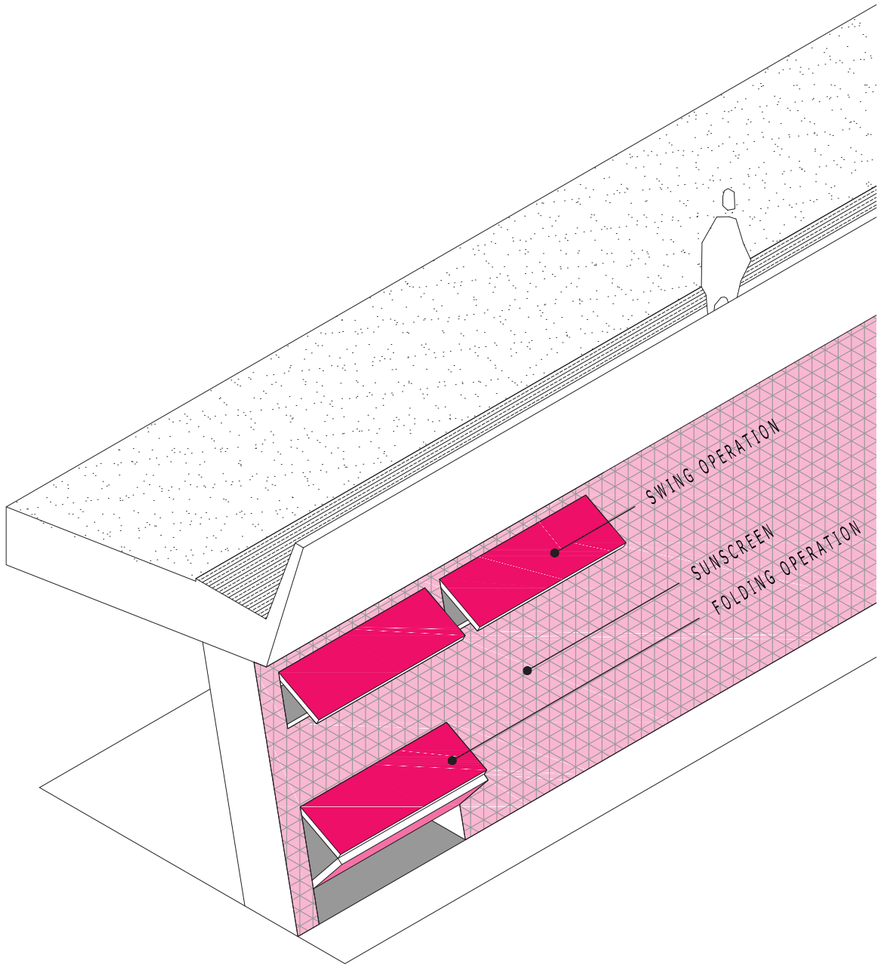
THE TOP EDGE OF THE SLOPING SURFACE MARKS THE CLEAR DIVIDING LINE BETWEEN CIVILLIANS AND THE MARINES.

A FLAT LANDING RUNS ALONG THIS STRIP ALLOWING VITIROS TO STAND AND WALK.





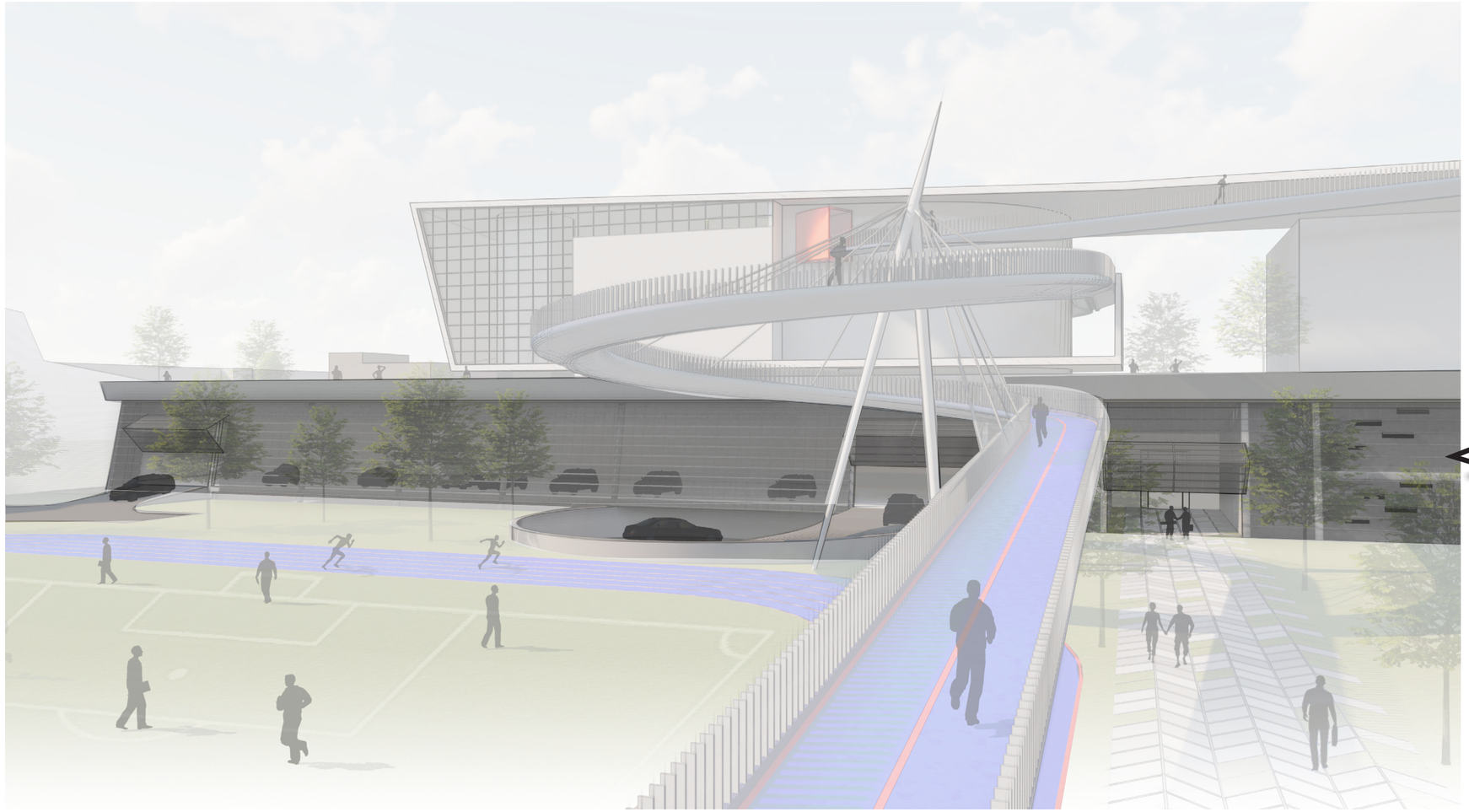


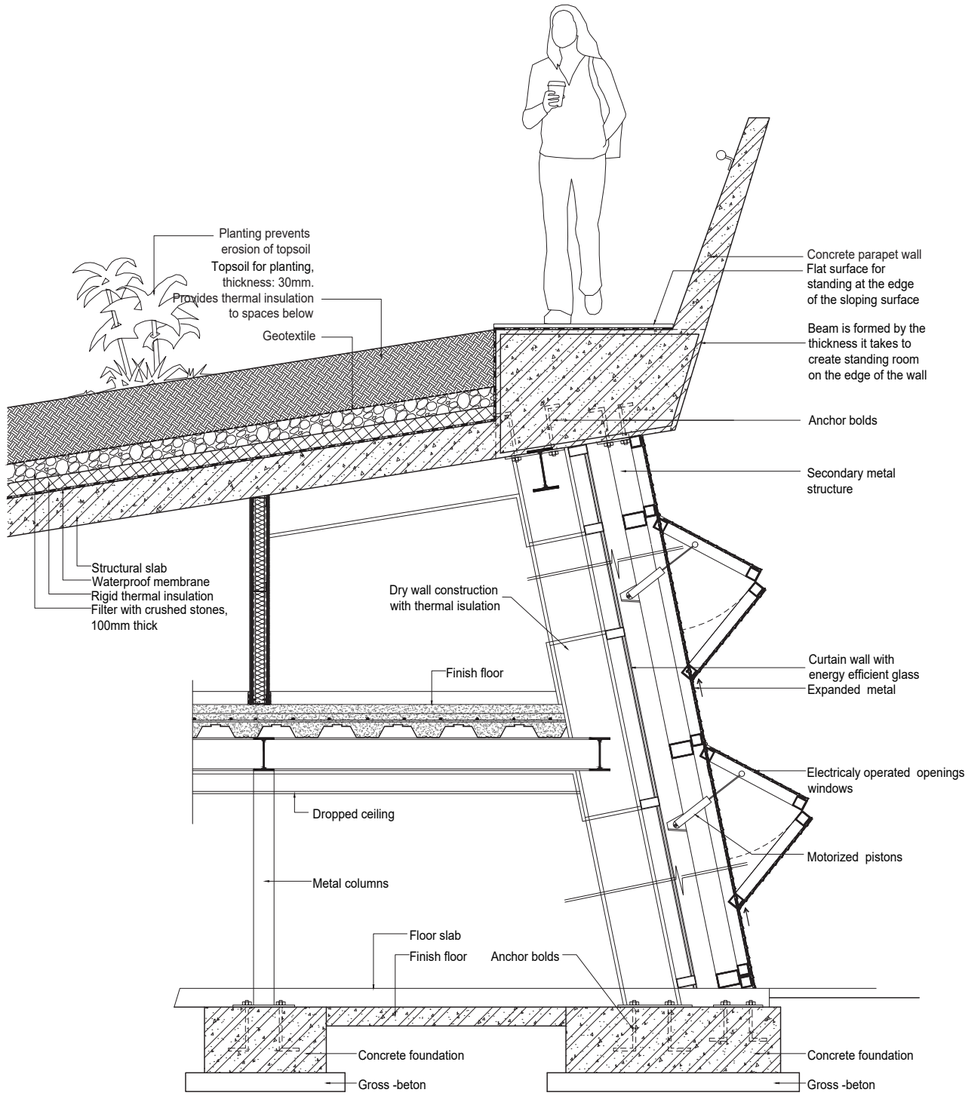


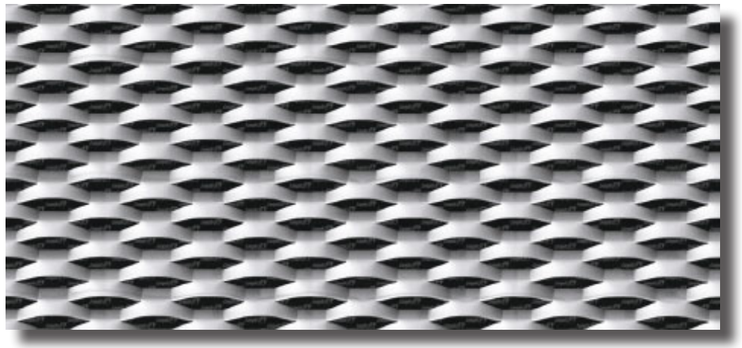
THE VERTICAL WALL

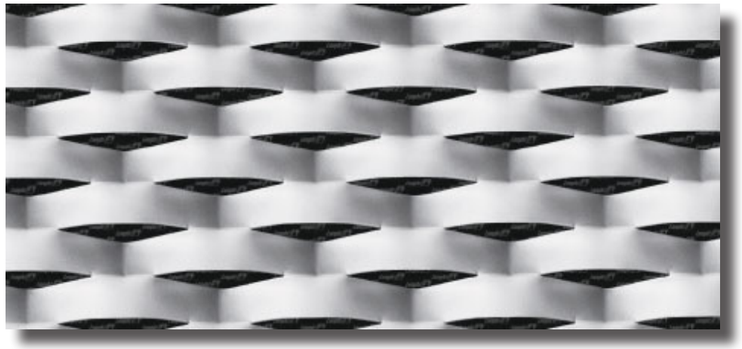
SUNSCREEN
IN ORDER TO CONTROL THE SUN PENETRATION ON THE GLAZED WALL AND CLOSE-OFF THE FACADE WHEN NAVY PERSONNEL IS AWAY, A SUN SCREEN IS INTRODUCED. THE SCREEN IN SOME AREAS FIXED AND IN OTHER PARTS IS MOVABLE.

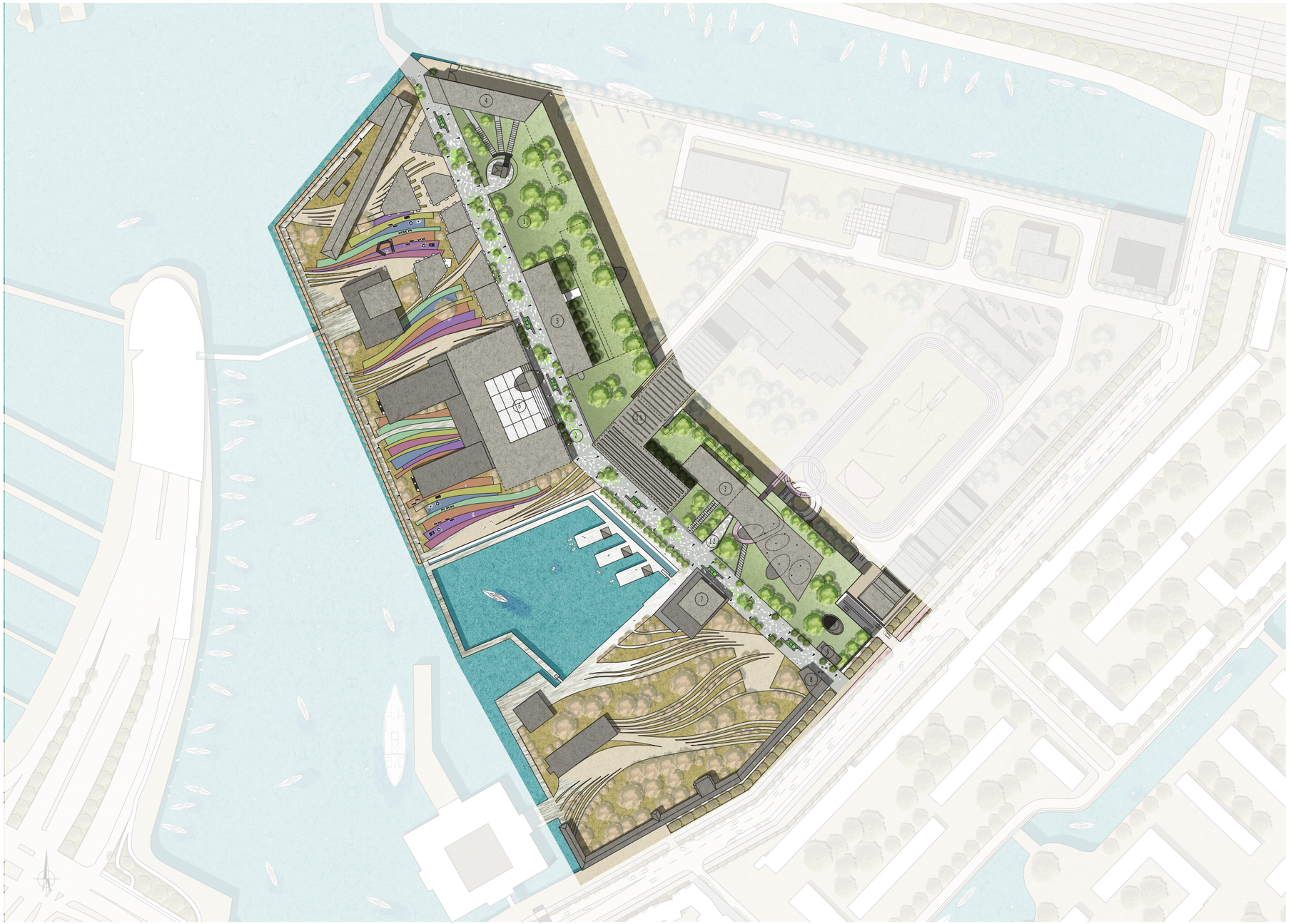
THERE ARE TWO KINDS OF OPERATIONS:
1. SWING OPERATION, FOR WINDOWS ON HIGHER LOCATIONS
2. FOLDING OPERATION FOR DOOR OPENINGS AT GROUNF FLOOR


GATES AND
OPENINGS


Planting prevents erosion of topsoil
Topsoil for planting, thickness: 30mm.
Provides thermal insulation to spaces below
Geotextile
Concrete parapet wall
Flat surface for standing at the edge of the sloping surface
Beam is formed by the thickness it takes to create standing room on the edge of the wall
Anchor bolds
Secondary metal structure
Structural slab
Waterproof membrane
Rigid thermal insulation
Filter with crushed stones, 100mm thick
Dry wall construction with thermal isulation
Finish floor
Curtain wall with energy efficient glass
Expanded metal
Electricaly operated openings windows
Dropped ceiling
Motorized pistons
Metal columns
Floor slab
Finish floor
Anchor bolds
Concrete foundation
Gross -beton
Concrete foundation
Gross -beton



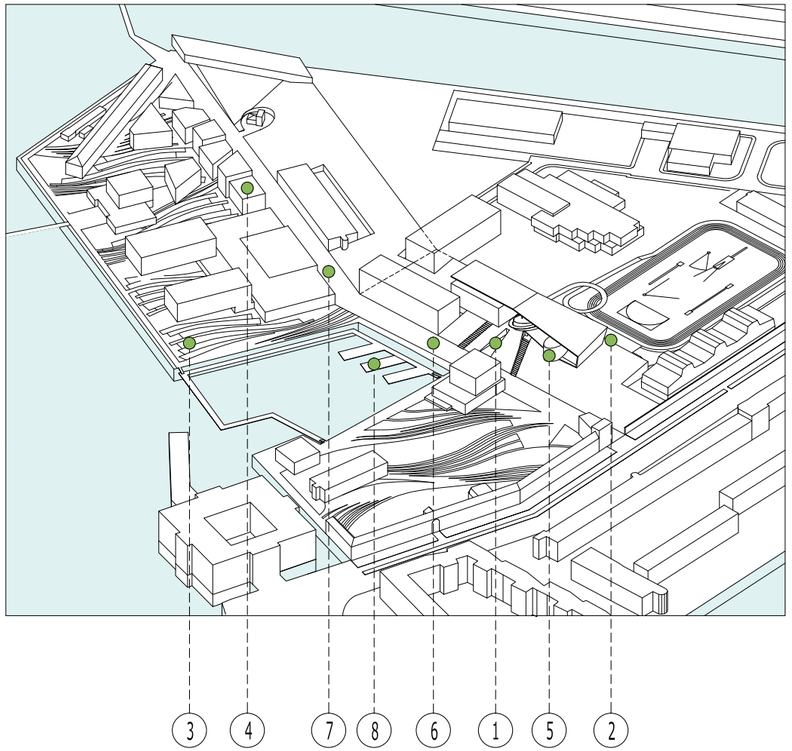




MATERIAL FINISHES OF THE AREA

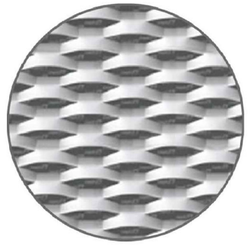
PAVING MATERIALS AND FACADE FINISHES CHANGE ACCORDING TO THE ZONE WHICH WERE MENTIONED PREVIOUSLY.
THIS WAY THE TERRITORY OF THE USER IN QUESTION IS REINFORCED.

SUSTAINABLE MATERIAL BOARD





1 GABION WALL



2 ALUMINIUM SCREEN



3 CORK MSTERIAL



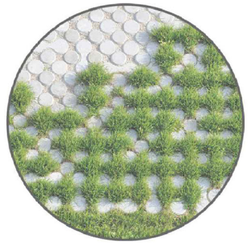
4 BRICK WALL



5 PERFORATED SCREEN



6 PRECAST CONCRETE FLOORING

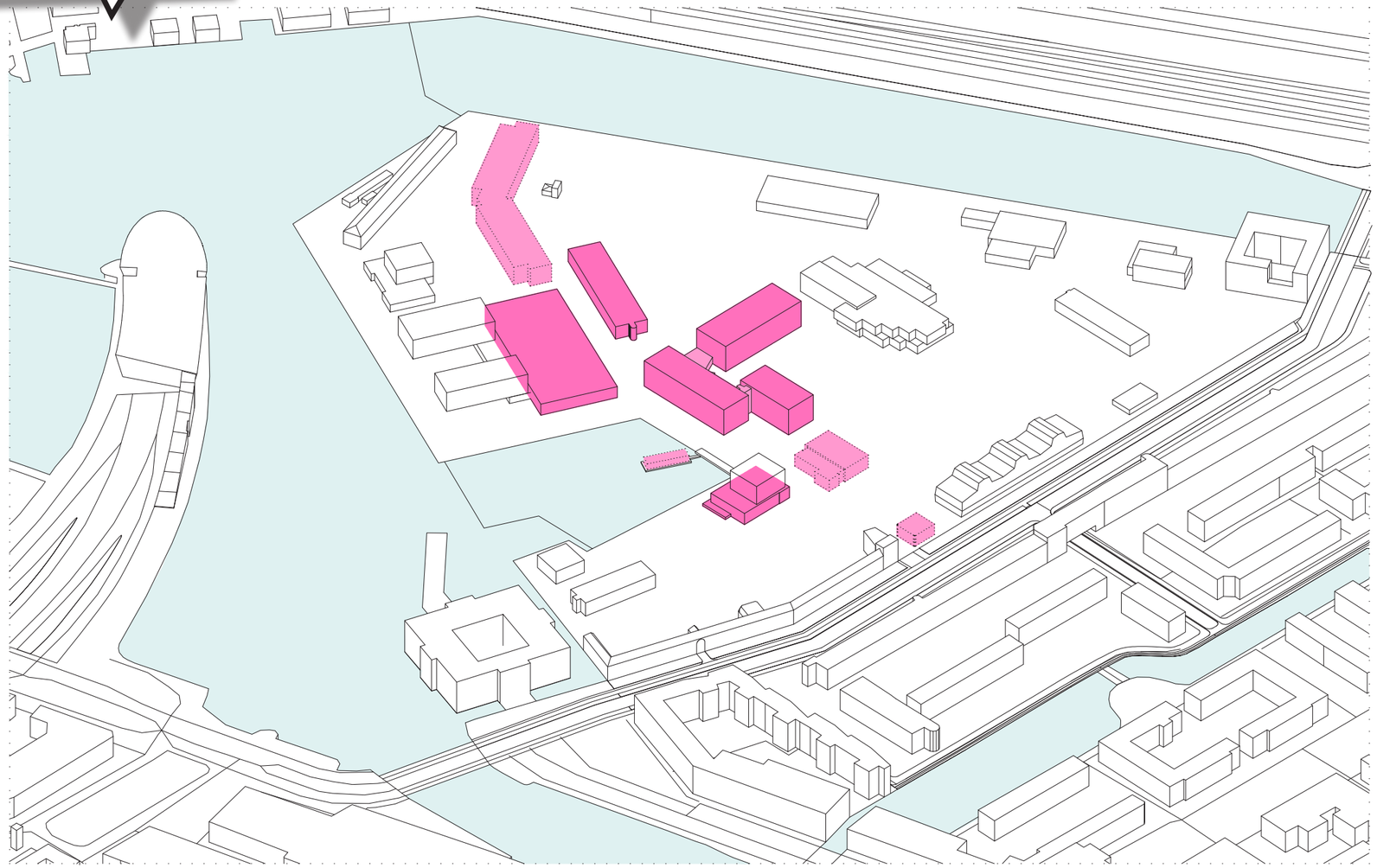


7 GRASSCRETE



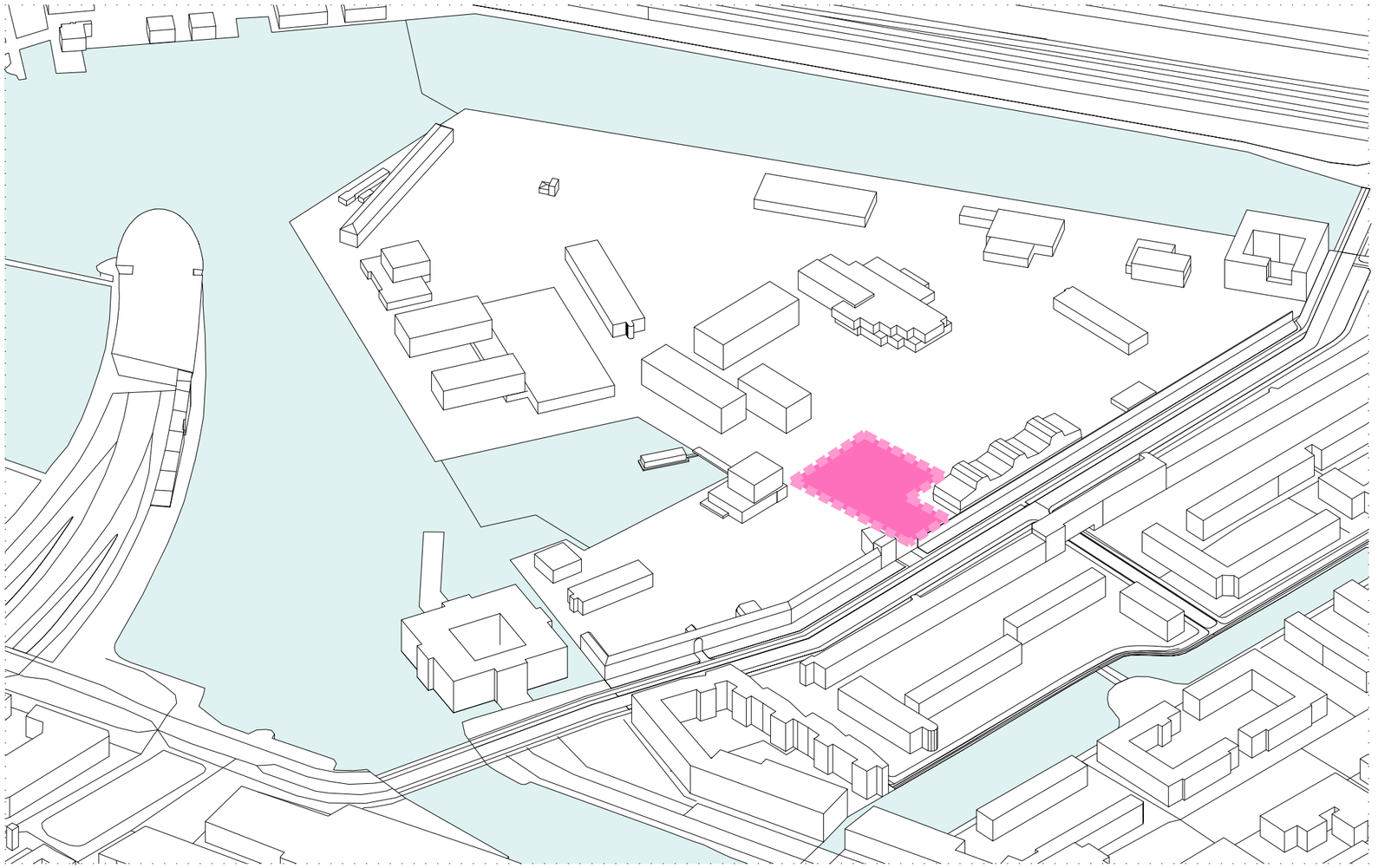
8 WOOD DECKING

AND SOME PRACTICALITIES ...



DEMOLISH & RENOVATE

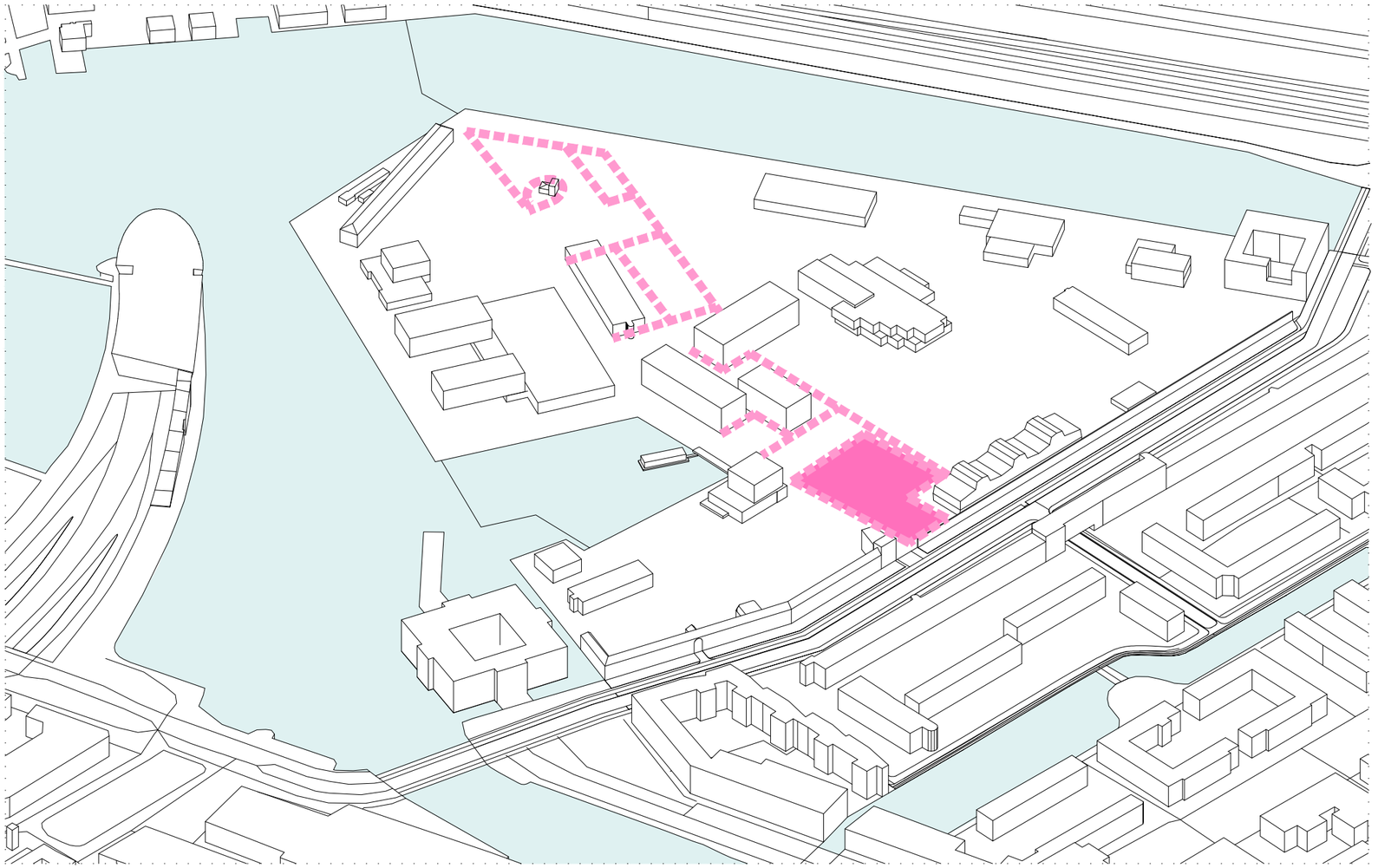
STRUCTURE AND CONSTRUCTION



EXCAVATE

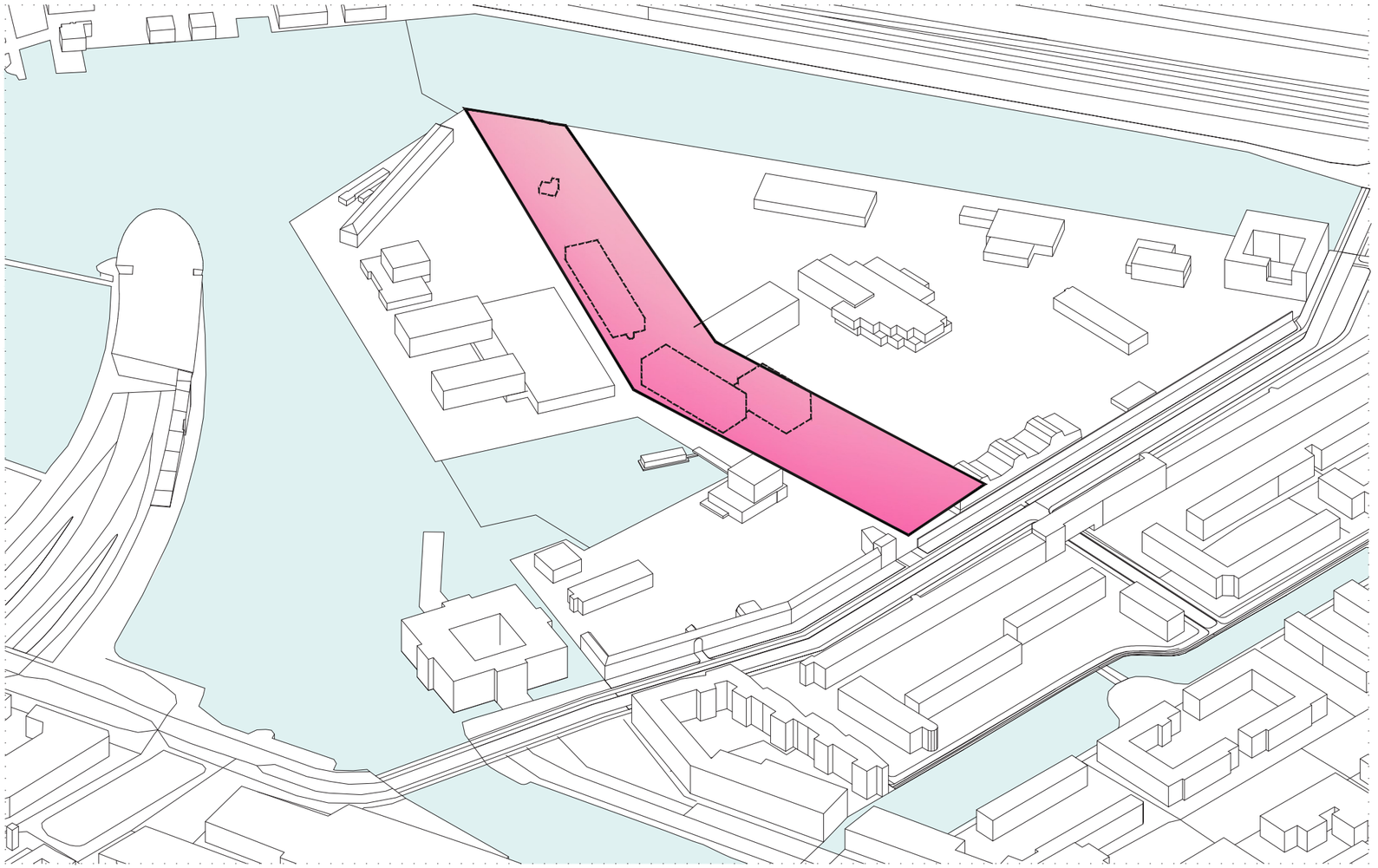
Sheet pile are driven below the water table. When piles close all around the area to be excavated and the water is pumped, excavation starts.
Piles may need to be supported additionally by driving diagonal anchors into the earth. Concrete is pressed into the drilling so that a head is created at the anchor.
When desired level is reached, earth is compacted, a layer of non-structural concrete is added (100mm) and foundation slab and retaining walls are build with agent mixtures that make the concrete water-tide.

STRUCTURE AND CONSTRUCTION



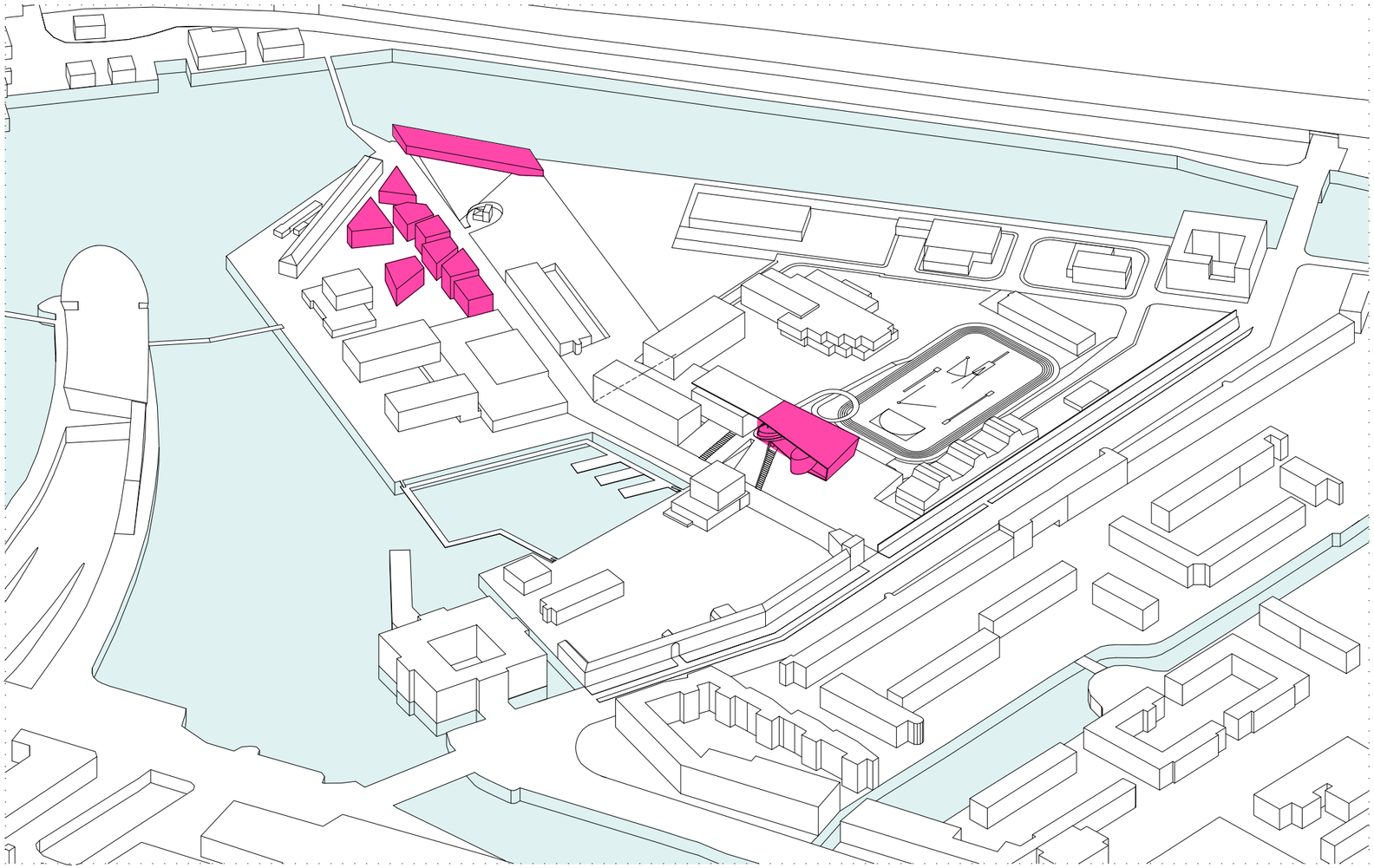
Retaining Walls

At the same time when the excavation takes place, retaining walls are build around the area where the sloping surface is proposed.
Areas where spaces are created below, steel structure and prefab concrete slabs are constructed.



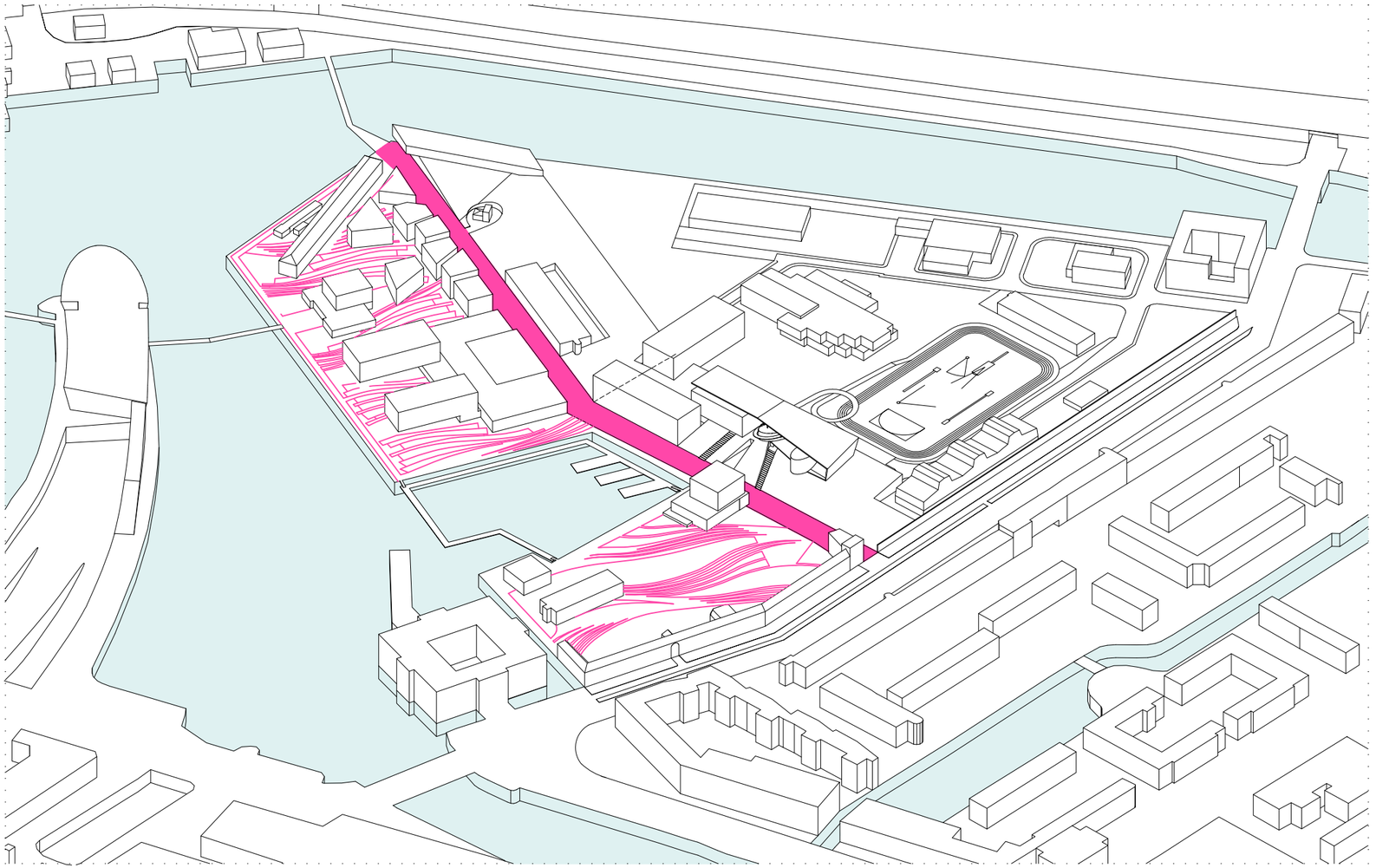
SOIL

To retain balance and decrease the need for import and transport, soil from the excavation is used to infill the areas of the slope.
Lastly add appropriate layer of topsoil for planting.



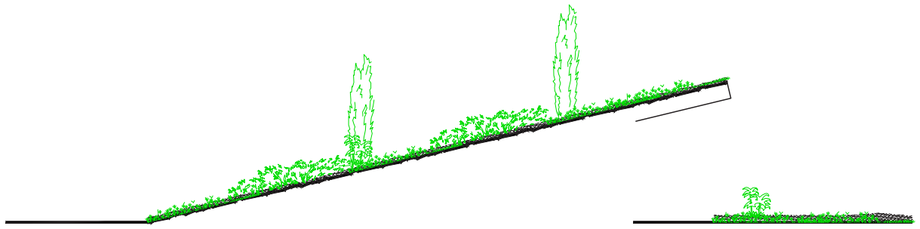
NEW BUILDINGS

SPORTS AND CULTURE, HOUSING
UNITS AND HOUSING COMPLEX.

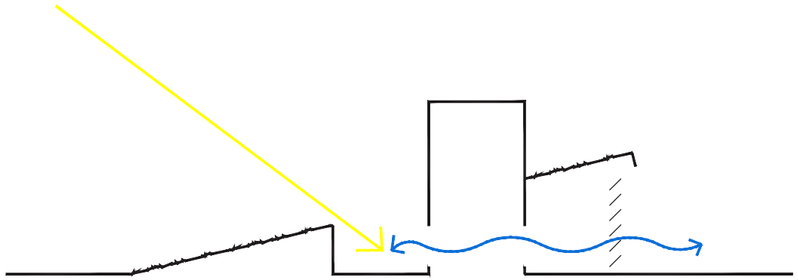


PAVING SURFACES AND VEGETATION

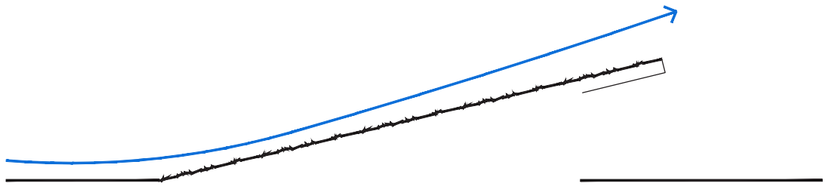
FEW MORE PRACTICALITIES ...



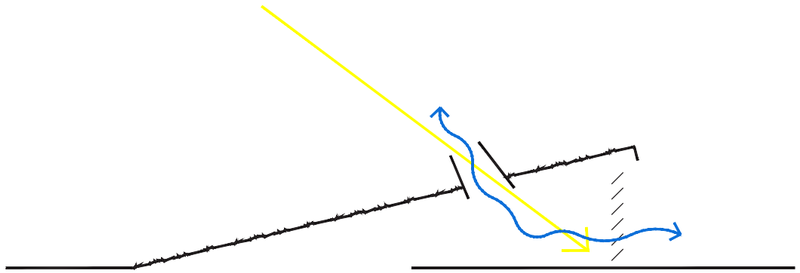
PLANTING ENHANCING EXISTING GREEN, EFFECTS POSITEVELY THE MI-
CROCLIMATE AND REDUCES HARD SURFACES



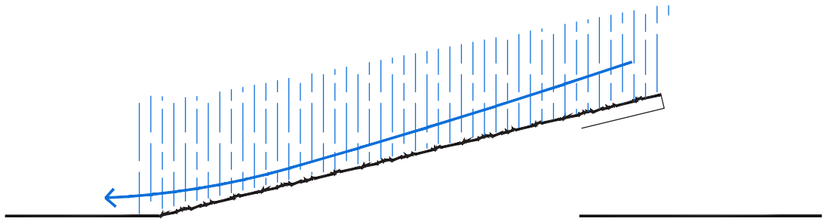
CONTROLLED AND PROTECTED COURTYARD CUT-OUTS THAT ALLOW
LIGHT PENETRATION AND CROSS-VENTILATION



THE SLOPING SURFACE RE-DIRECTS AND PROTECTS THE
WHOLE AREA FROM WINDS



SKYLIGHTS THAT ALLOW LIGHT PENETRATION
AND STACK VENTILATION



THE ANGLE OF THE SLOPE ALLOWS WATER COLLECTION AT
ITS VERY BOTTOM EDGE

DESIGN QUESTION



HOW CAN MARINETERREIN BECOME AN INCLUSIVE AND SAFE SPACE FOR BOTH THE LOCAL COMMUNITY AND THE NAVY BASE WITHOUT LOOKING LIKE A BORDER-ZONE WHILE RETAINING ITS TRANQUIL CHARECTER?

THANK YOU !