

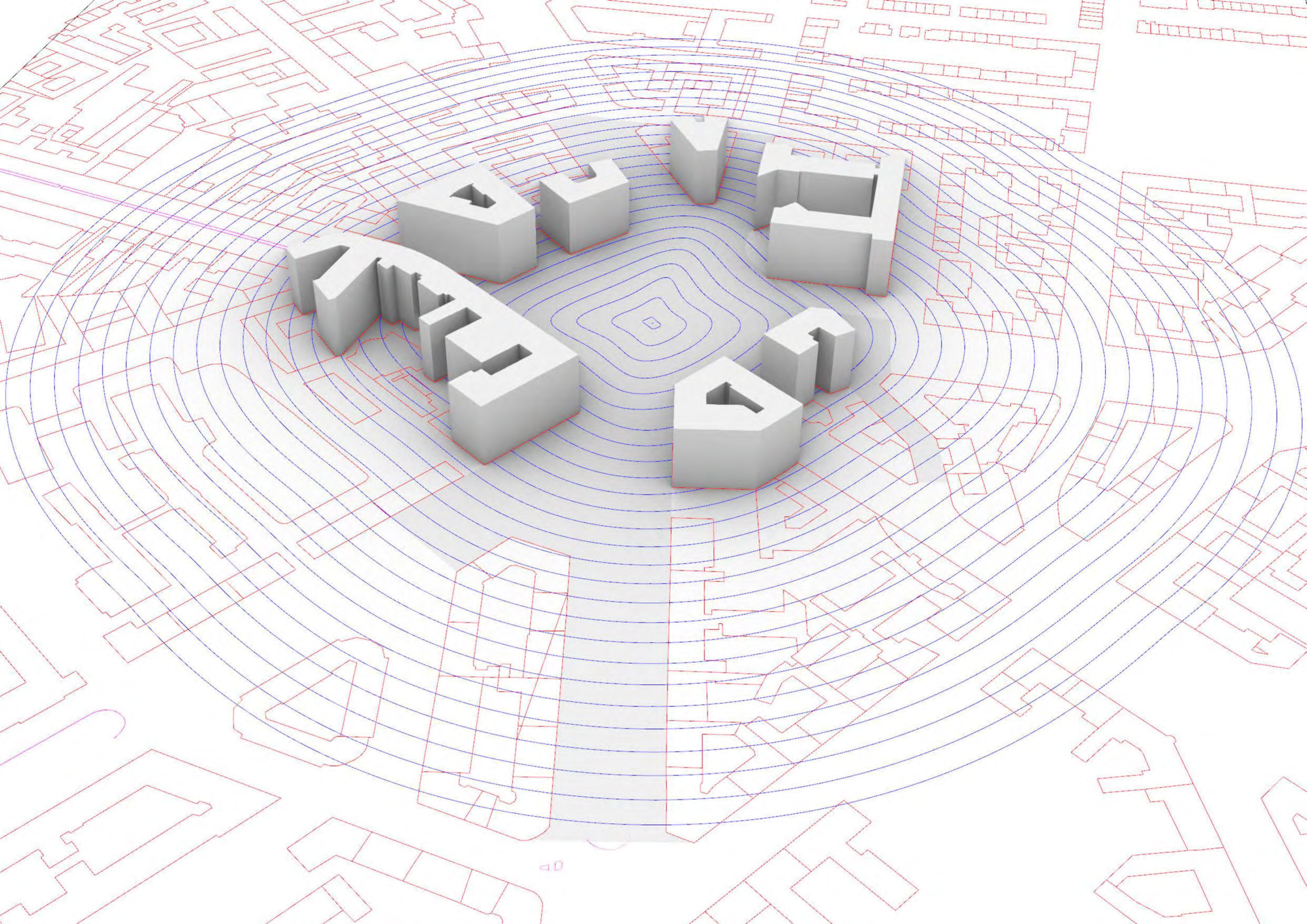
PIAZZALE LORETO COMPETITION

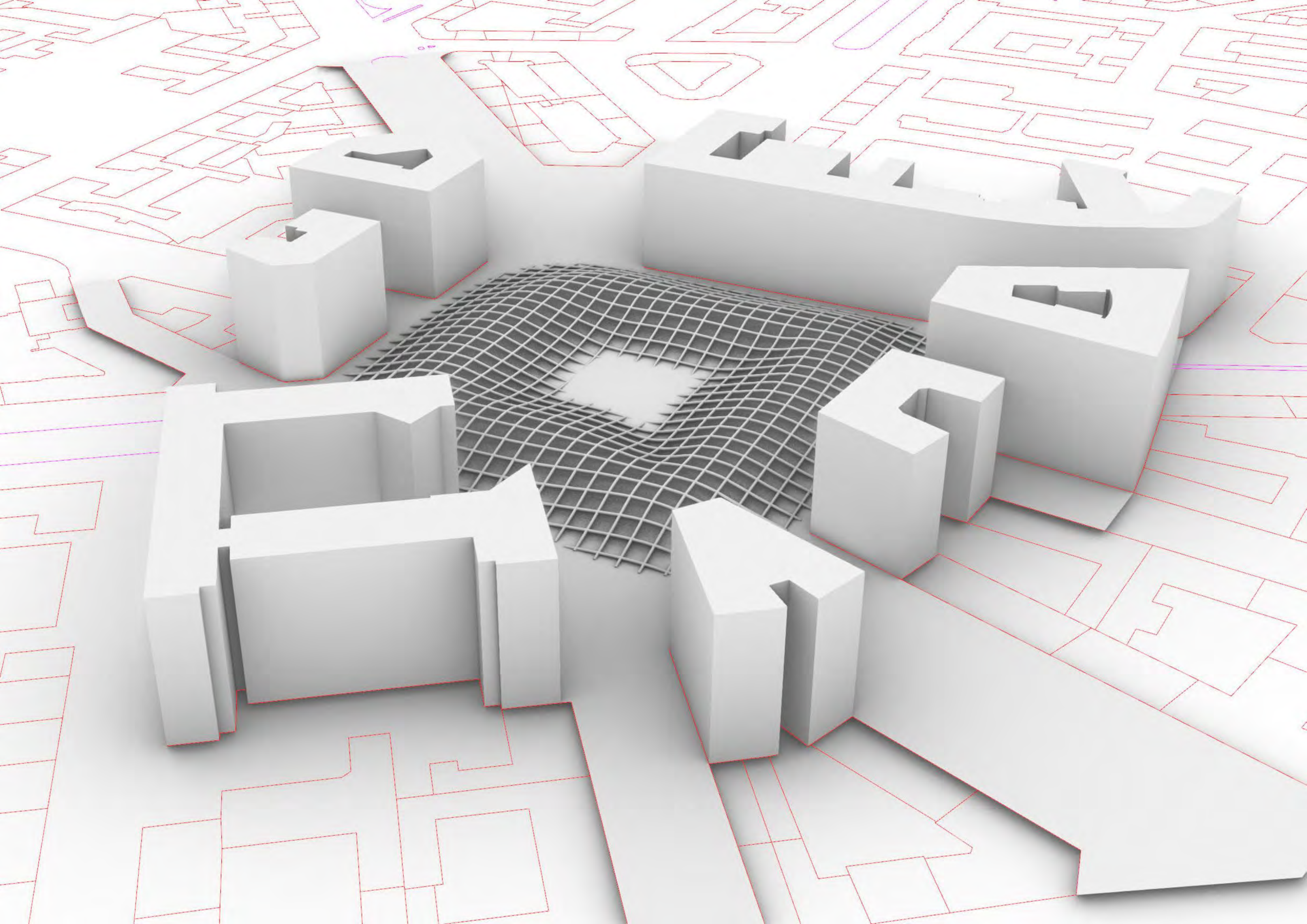
:reinventingccities2030

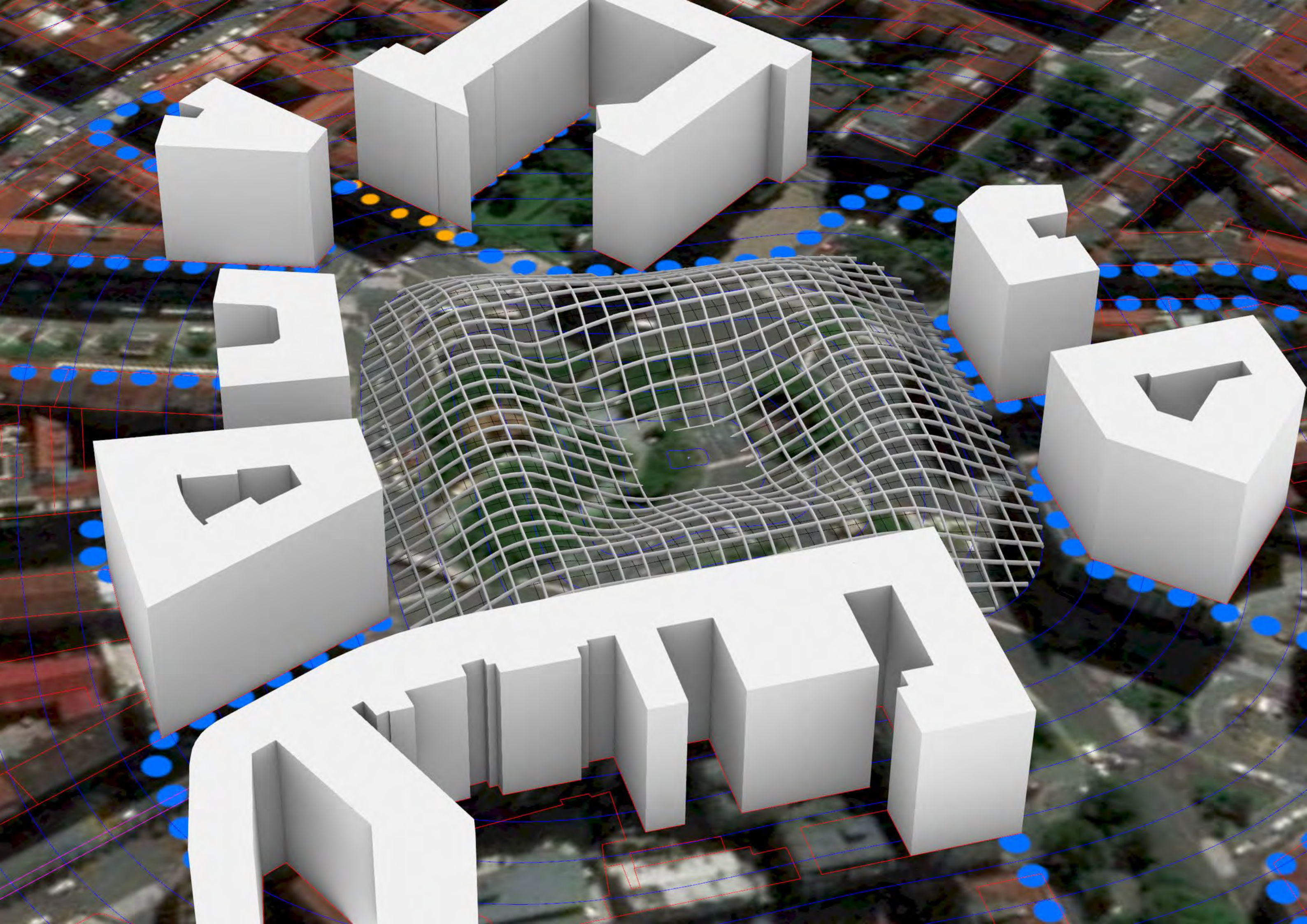
DESIGN PROCESS DURING A MONTH

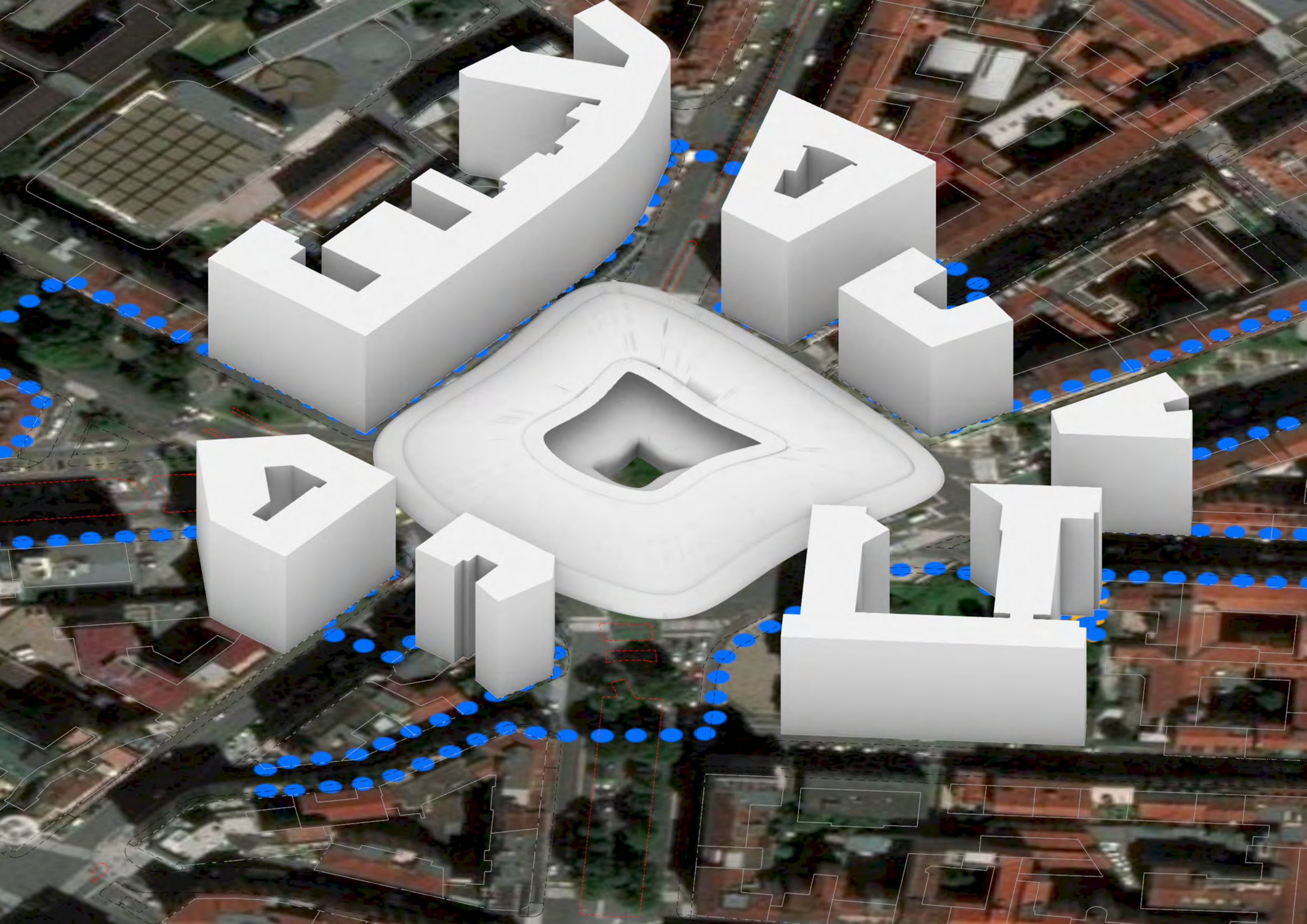
to see latest desings, please visit yigitozen.xyz

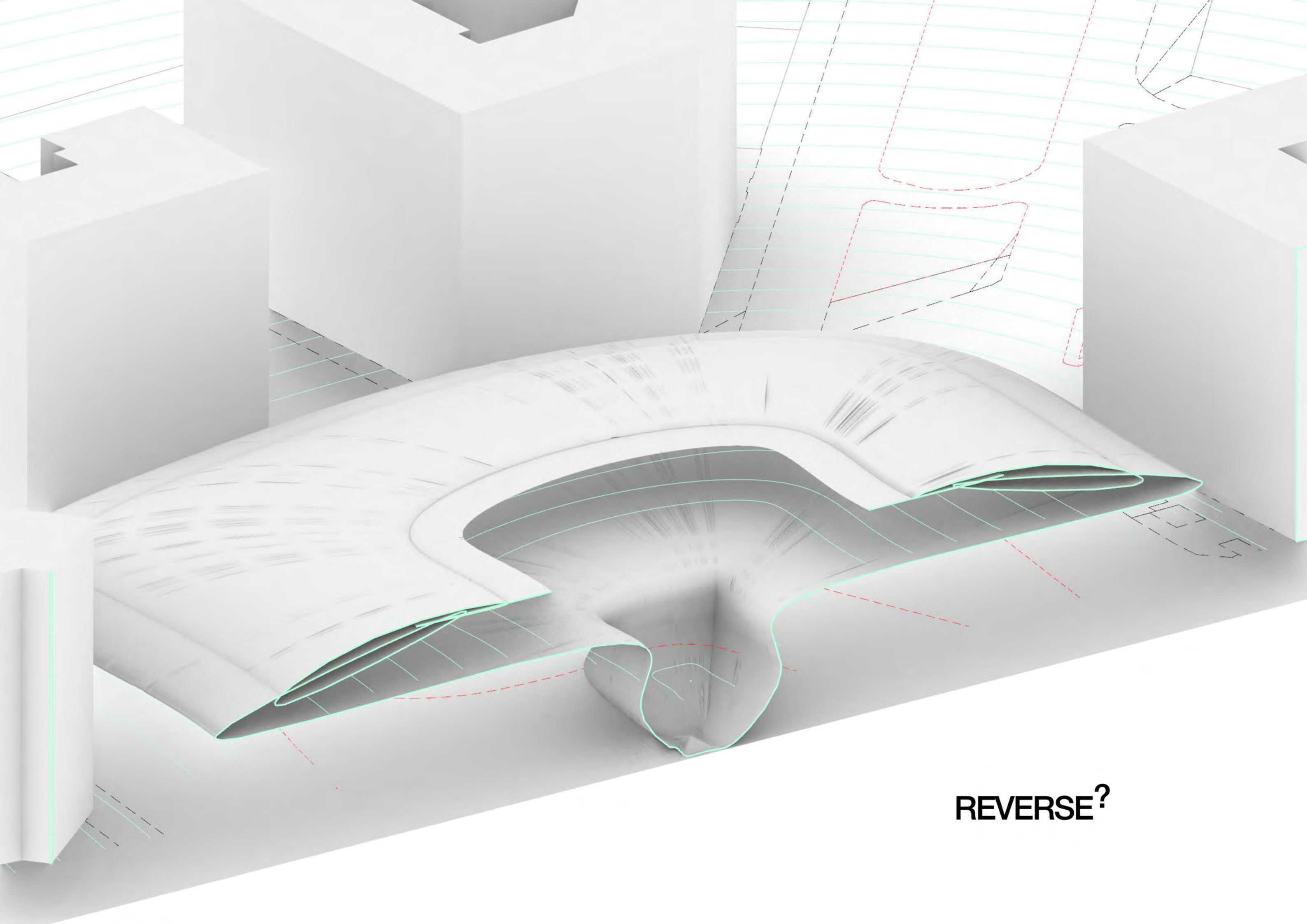
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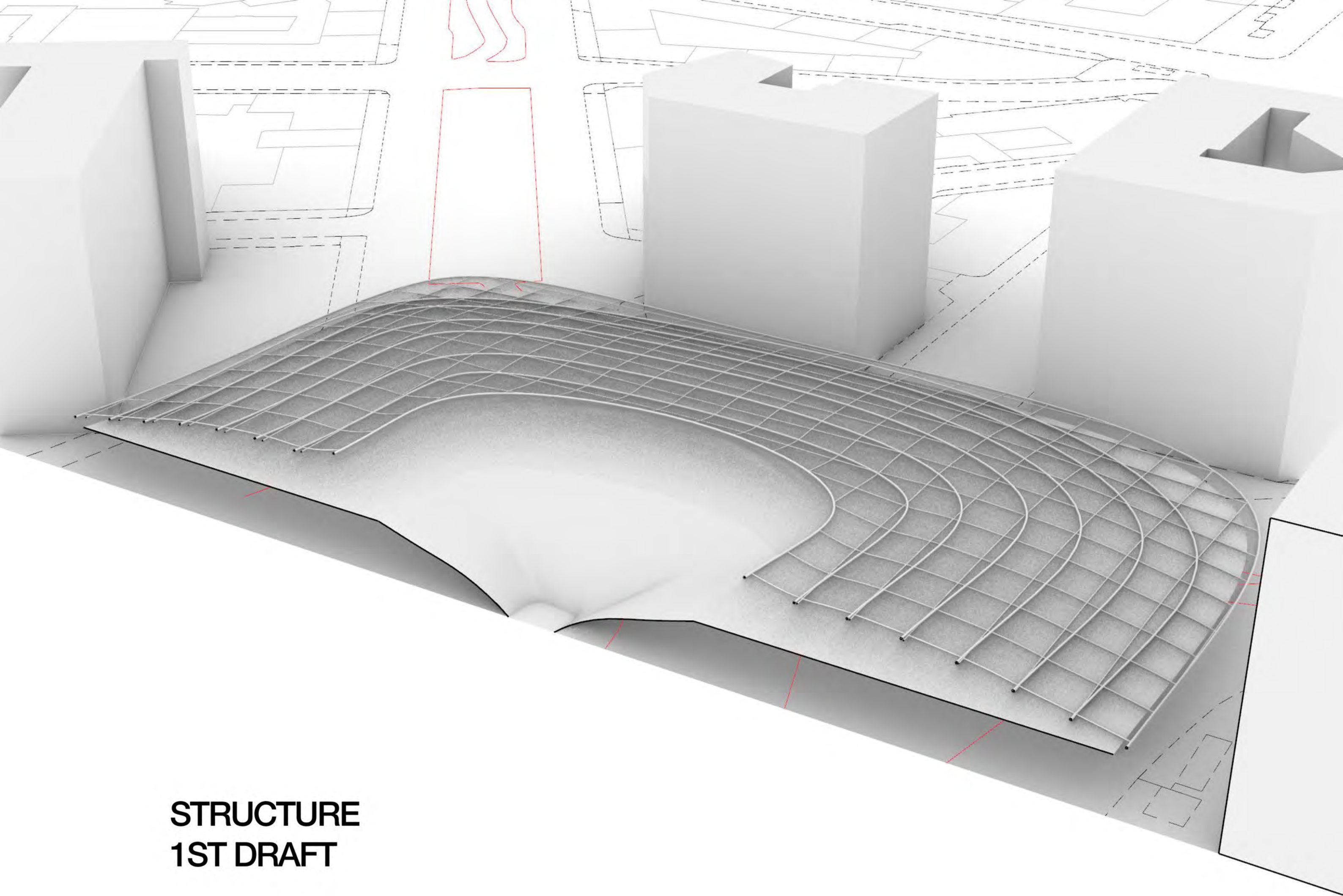




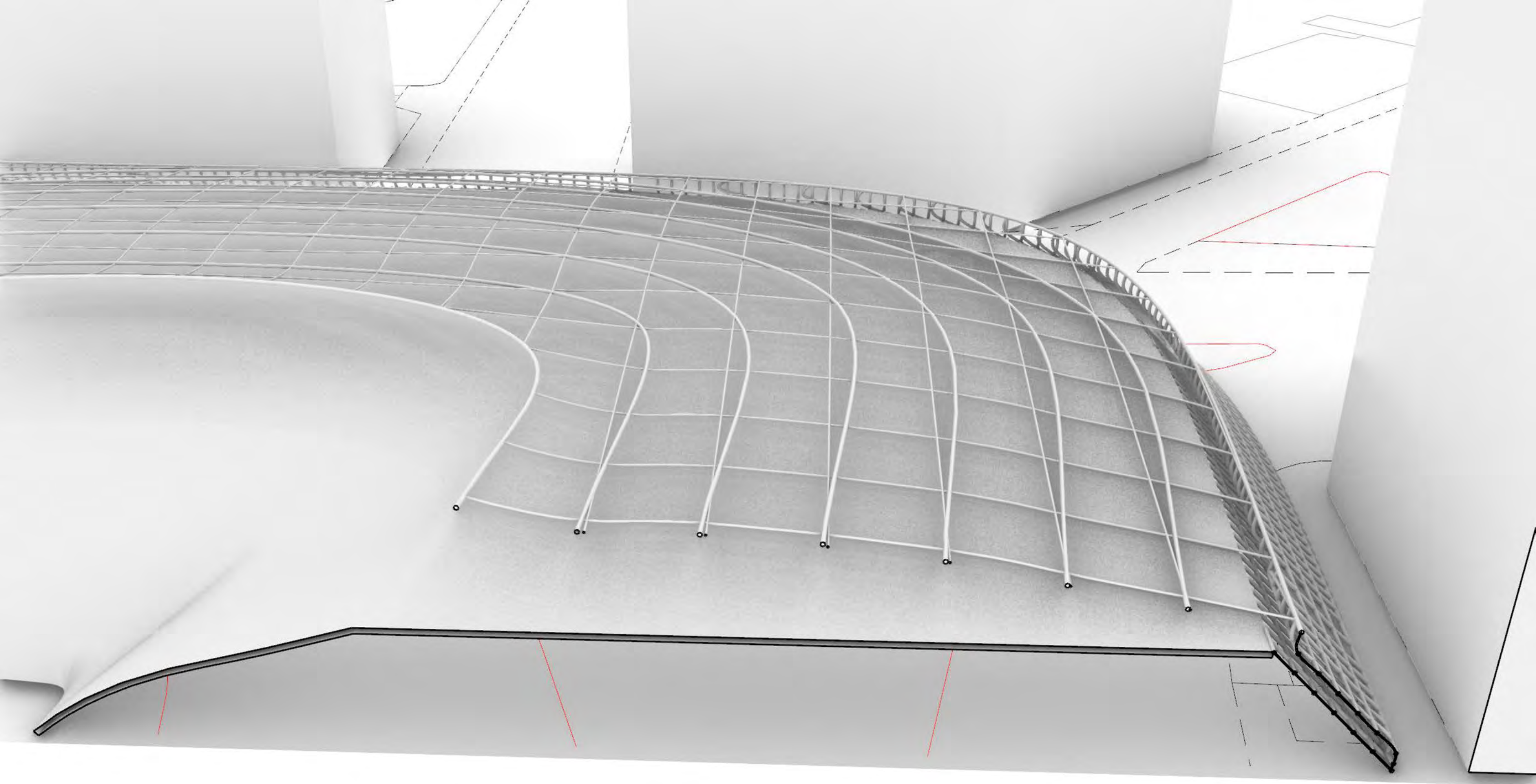




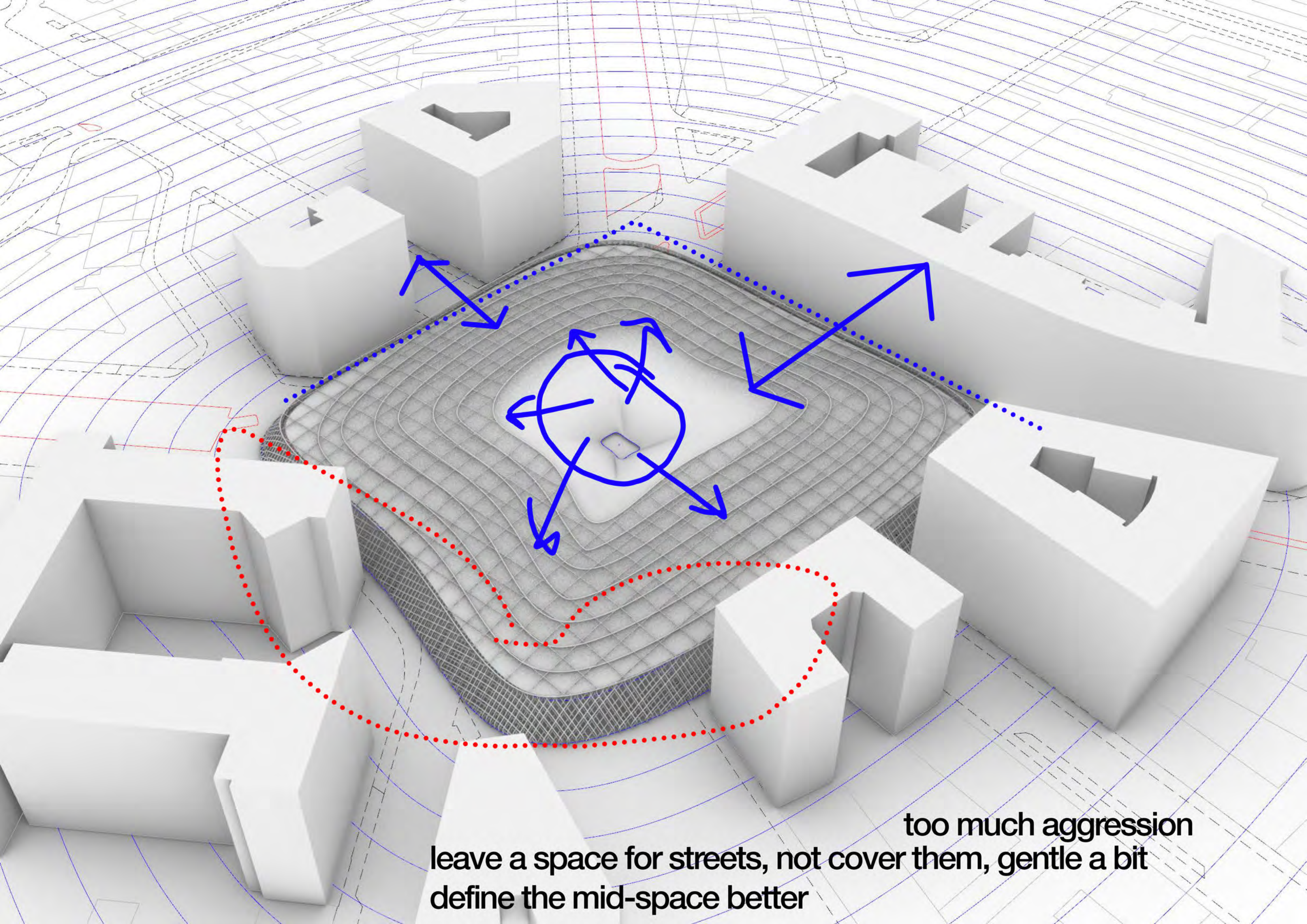
REVERSE?



STRUCTURE
1ST DRAFT



SECTION (its too whole, divide it)



too much aggression
leave a space for streets, not cover them, gentle a bit
define the mid-space better

2

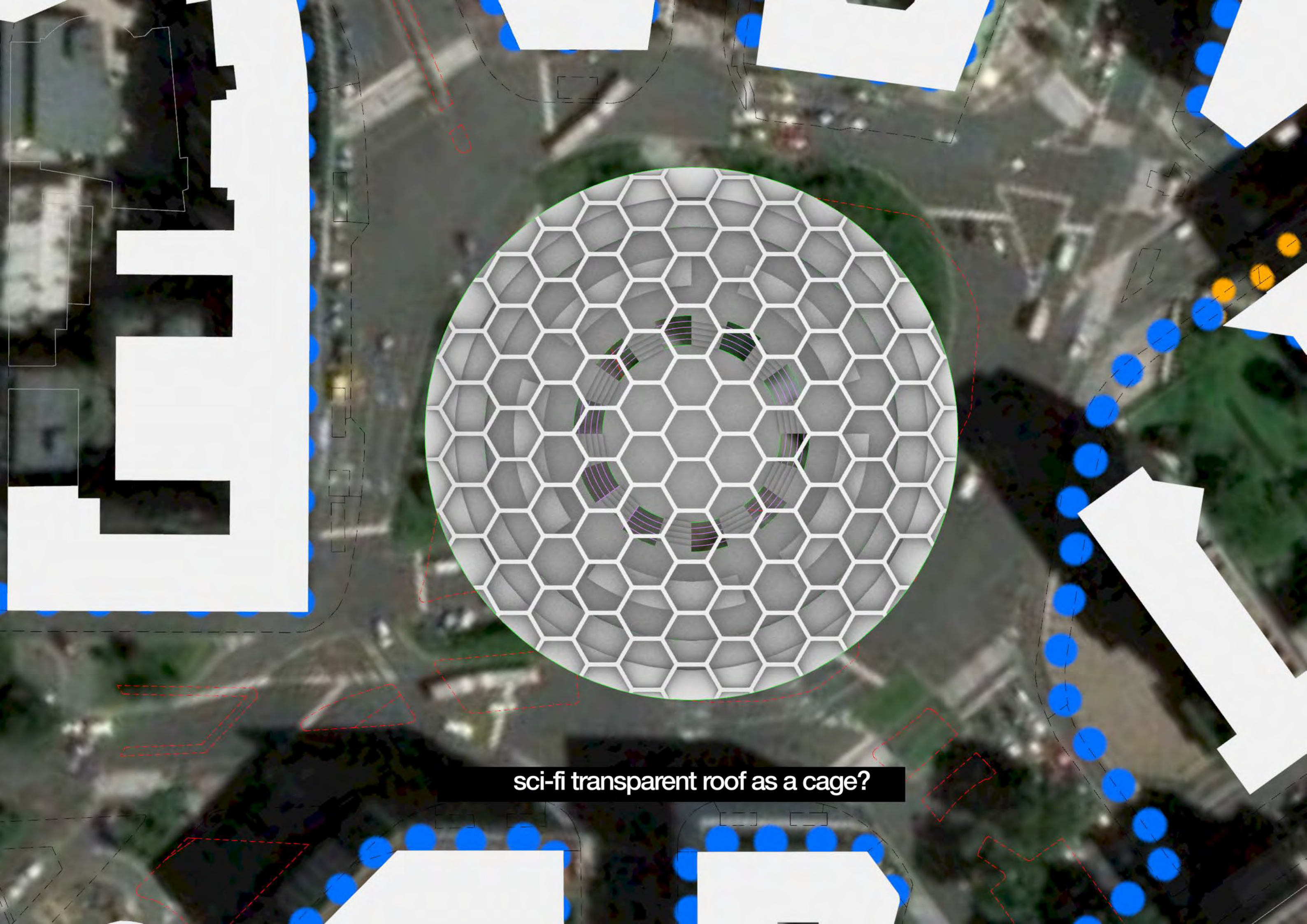


Defining the axis more decent way

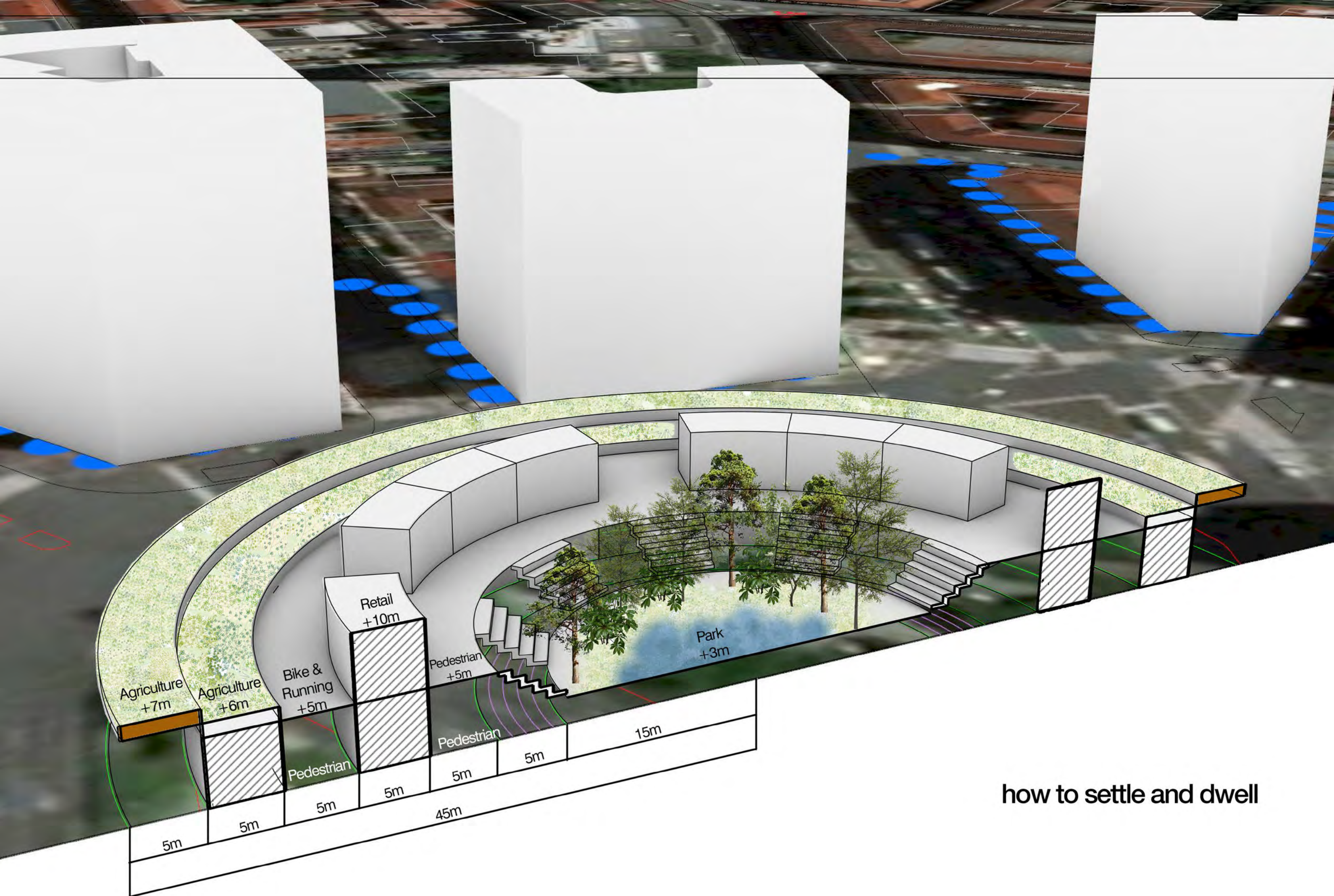


proportions for the volumes?

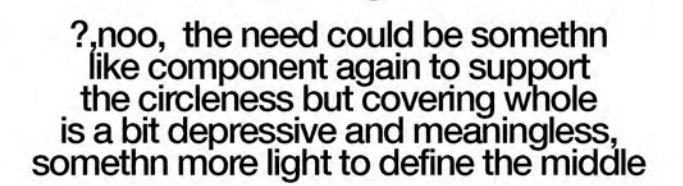




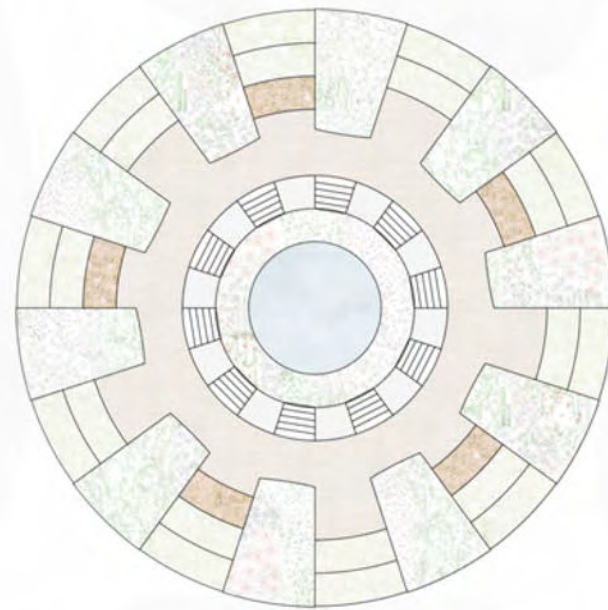
sci-fi transparent roof as a cage?



how to settle and dwell



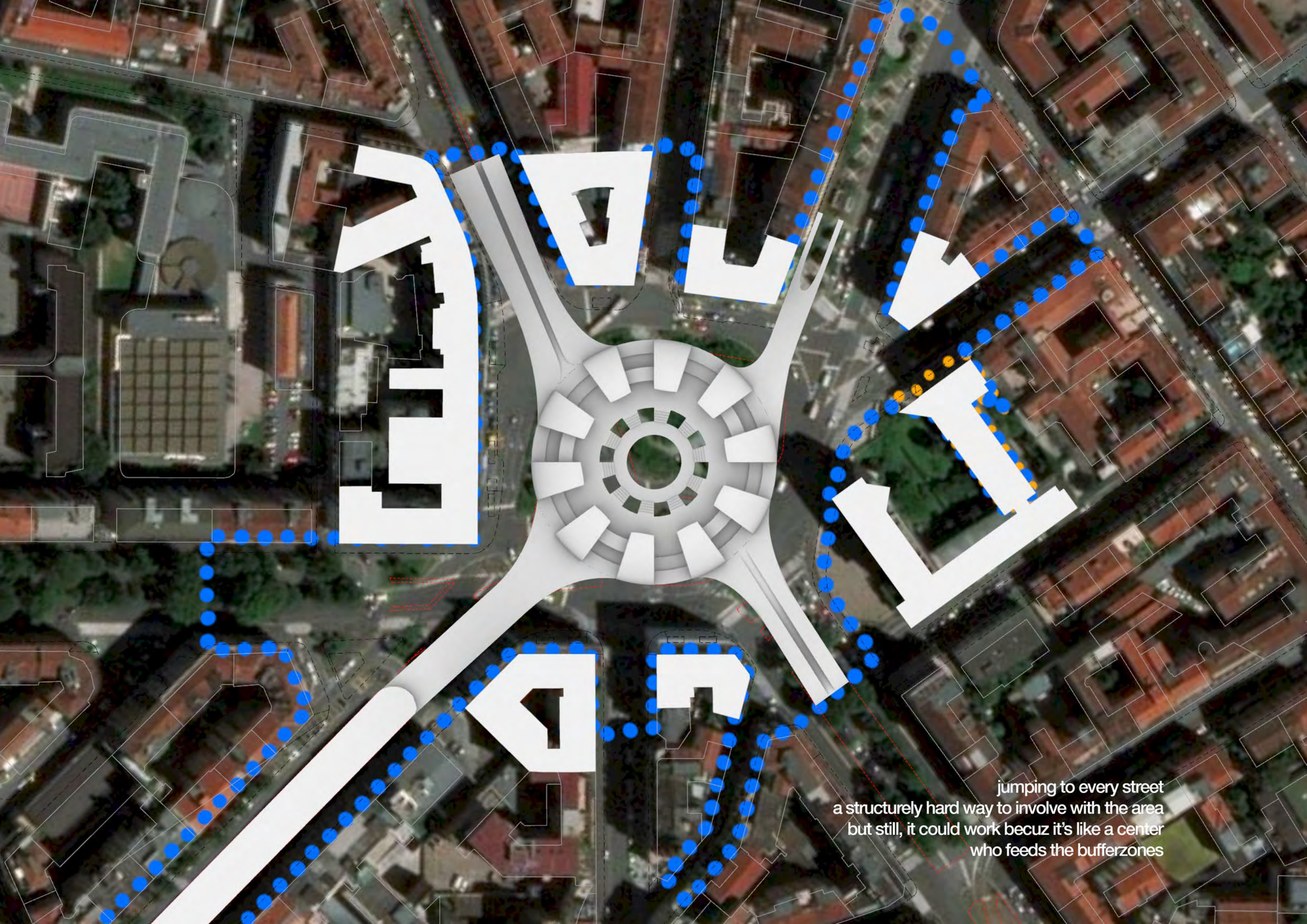
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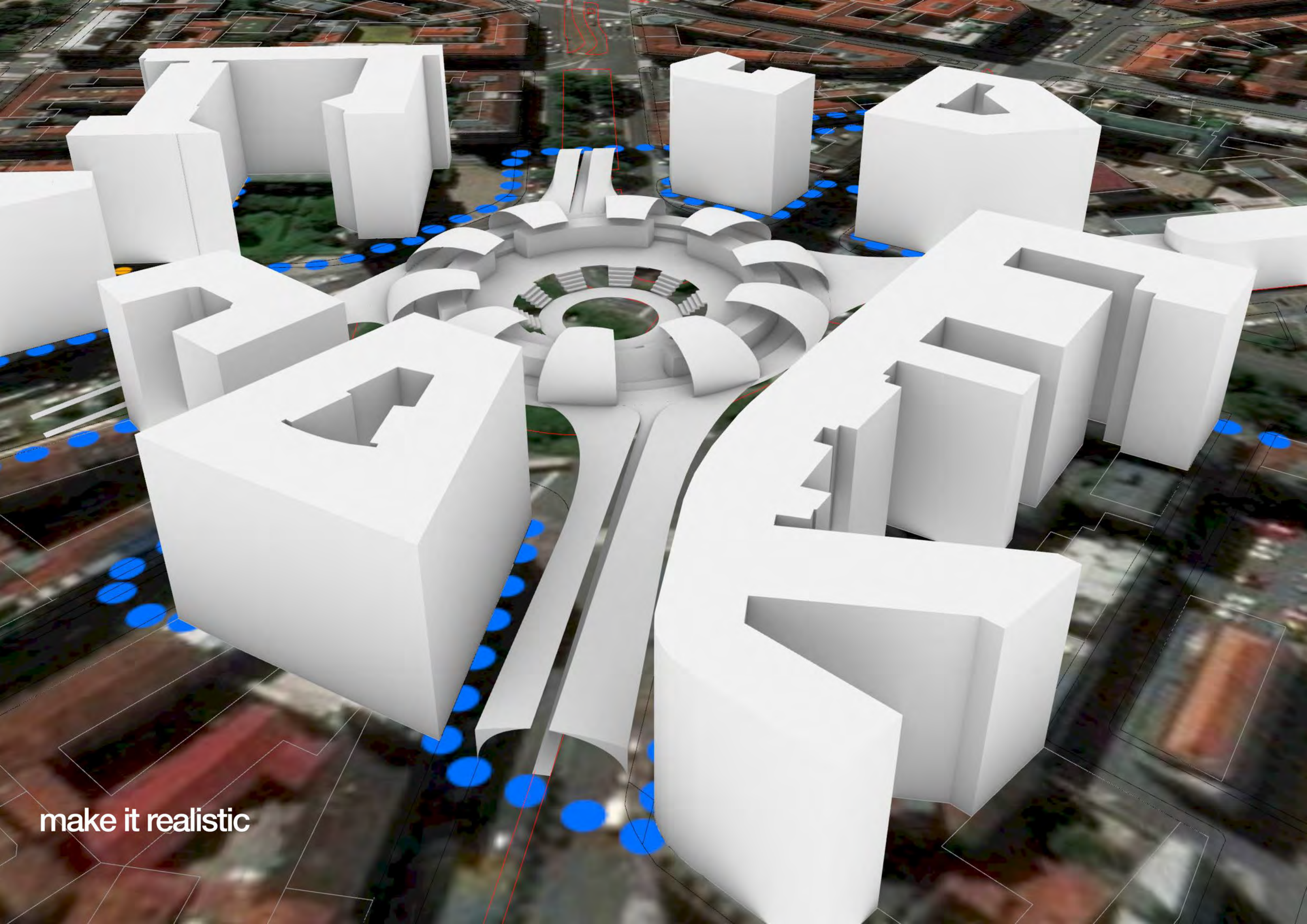
tony starks mech. heart? hahah
still, the balance of selection
works with the chaos of the context



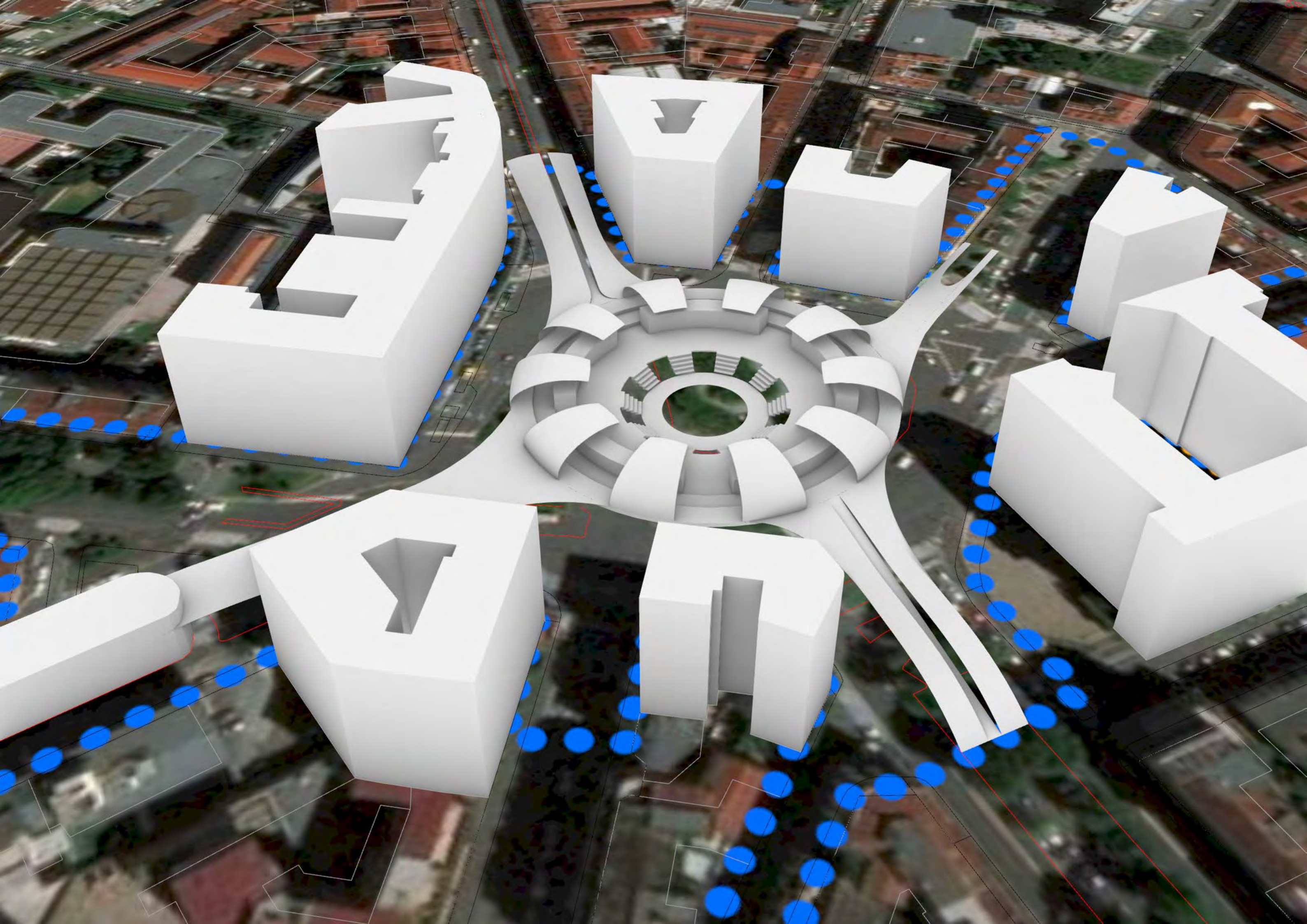


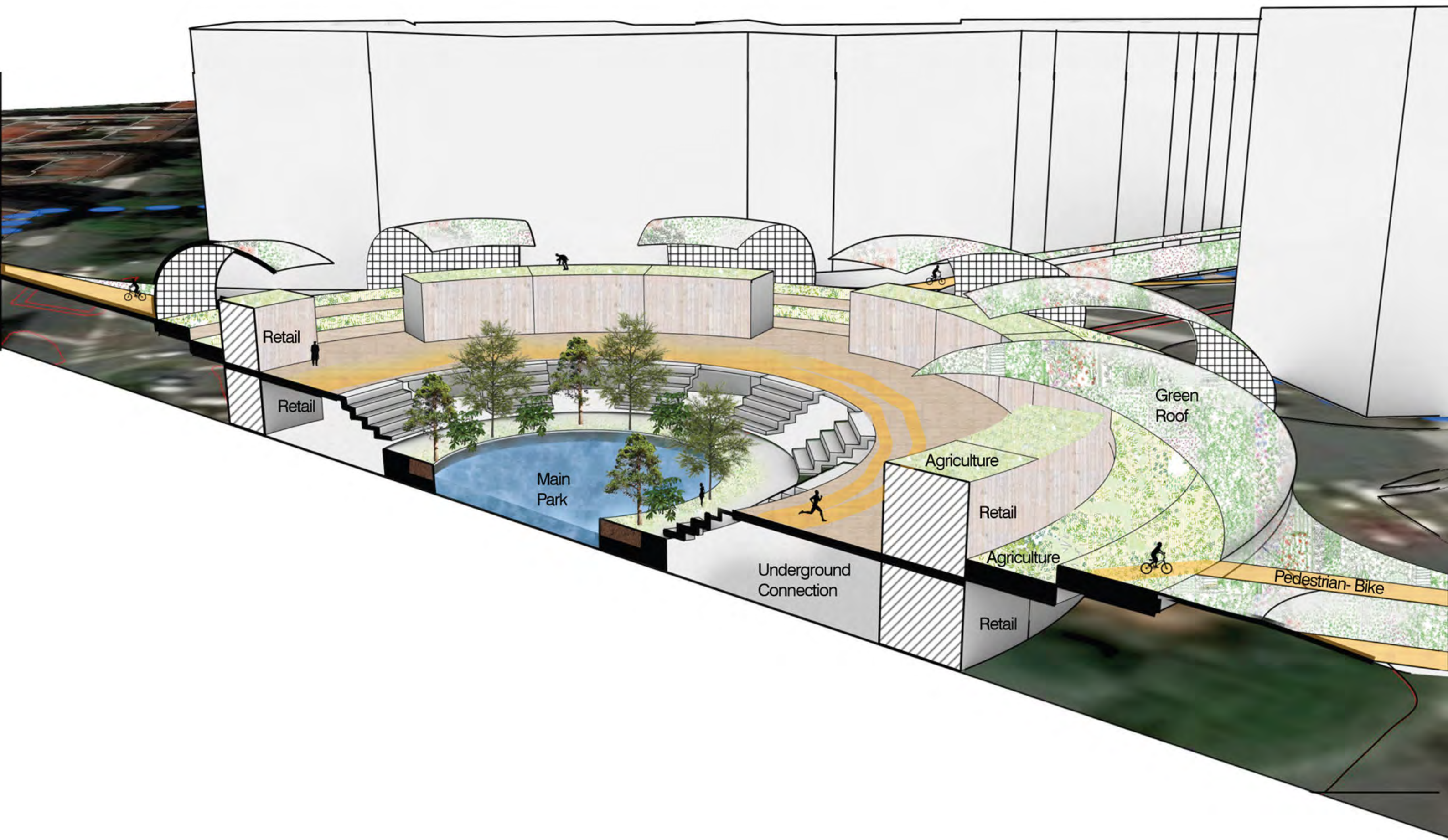


jumping to every street
a structurally hard way to involve with the area
but still, it could work becuz it's like a center
who feeds the bufferzones



make it realistic





Retail

Retail

Main
Park

Agriculture

Retail

Agriculture

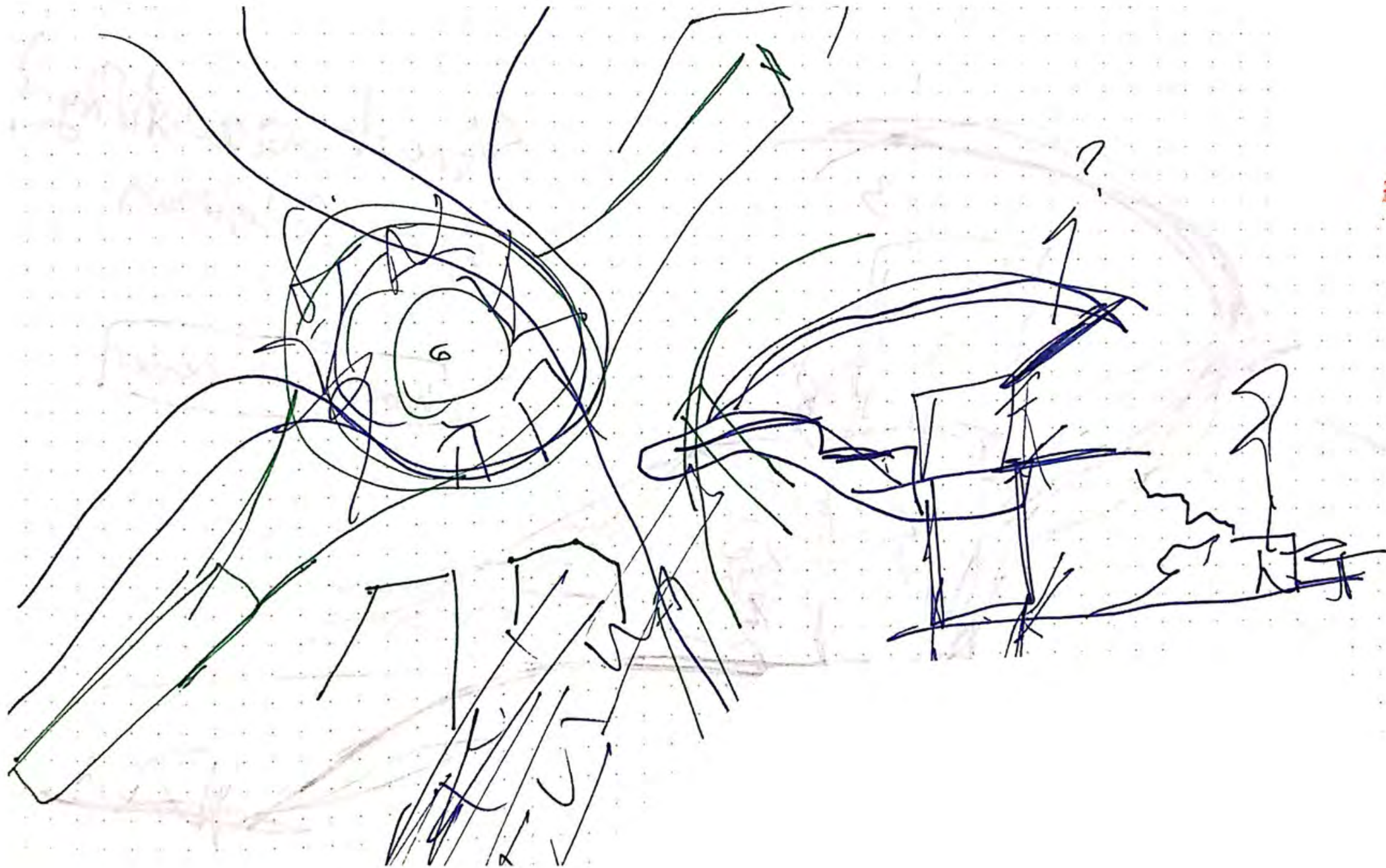
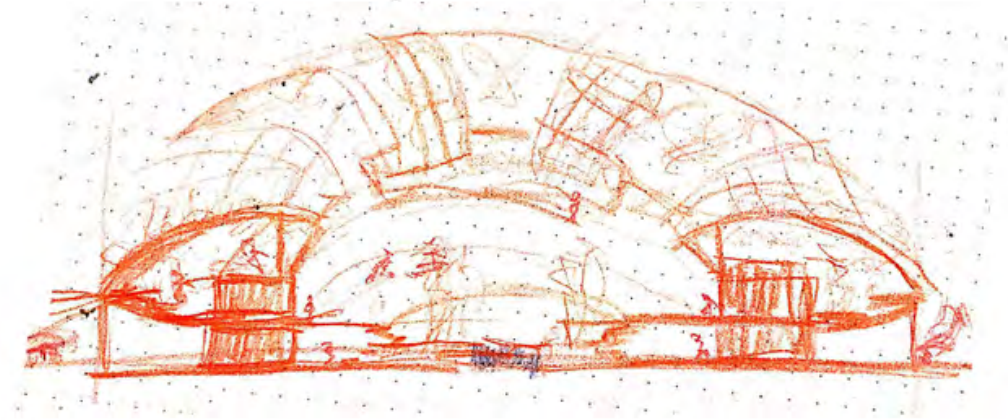
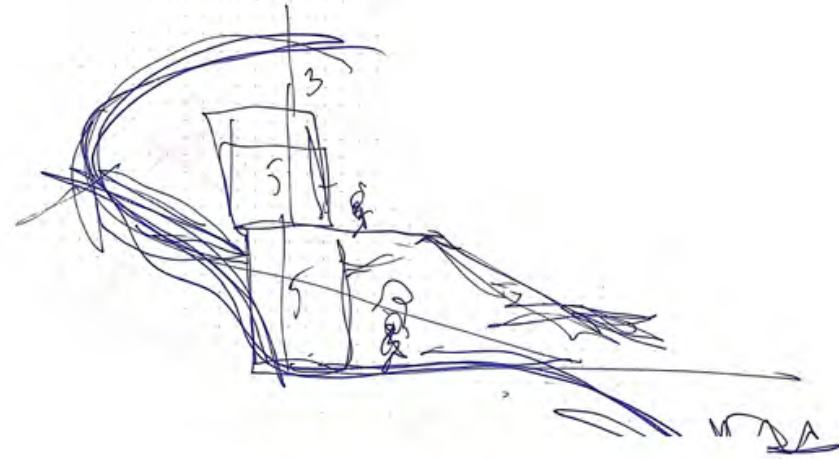
Retail

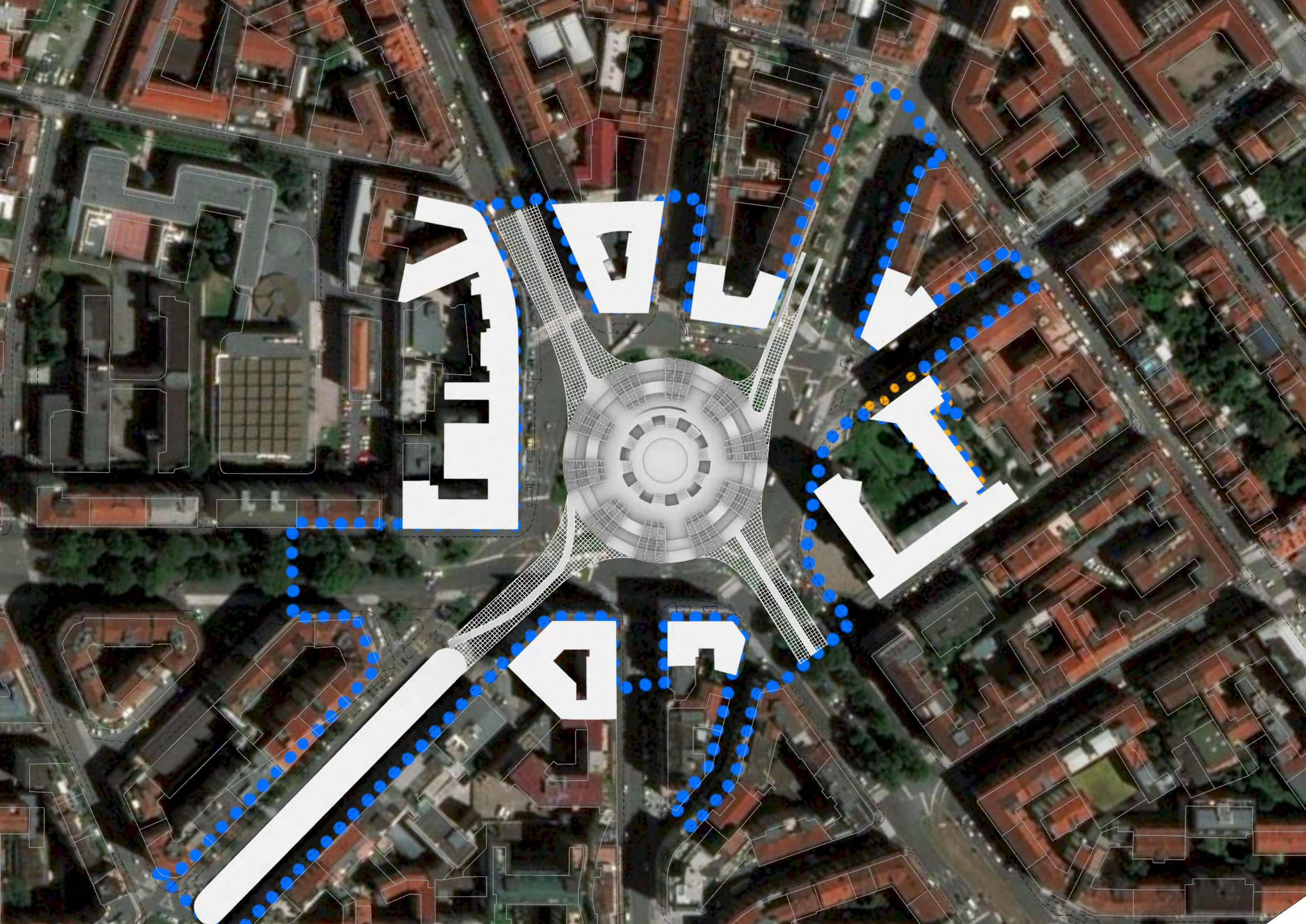
Green
Roof

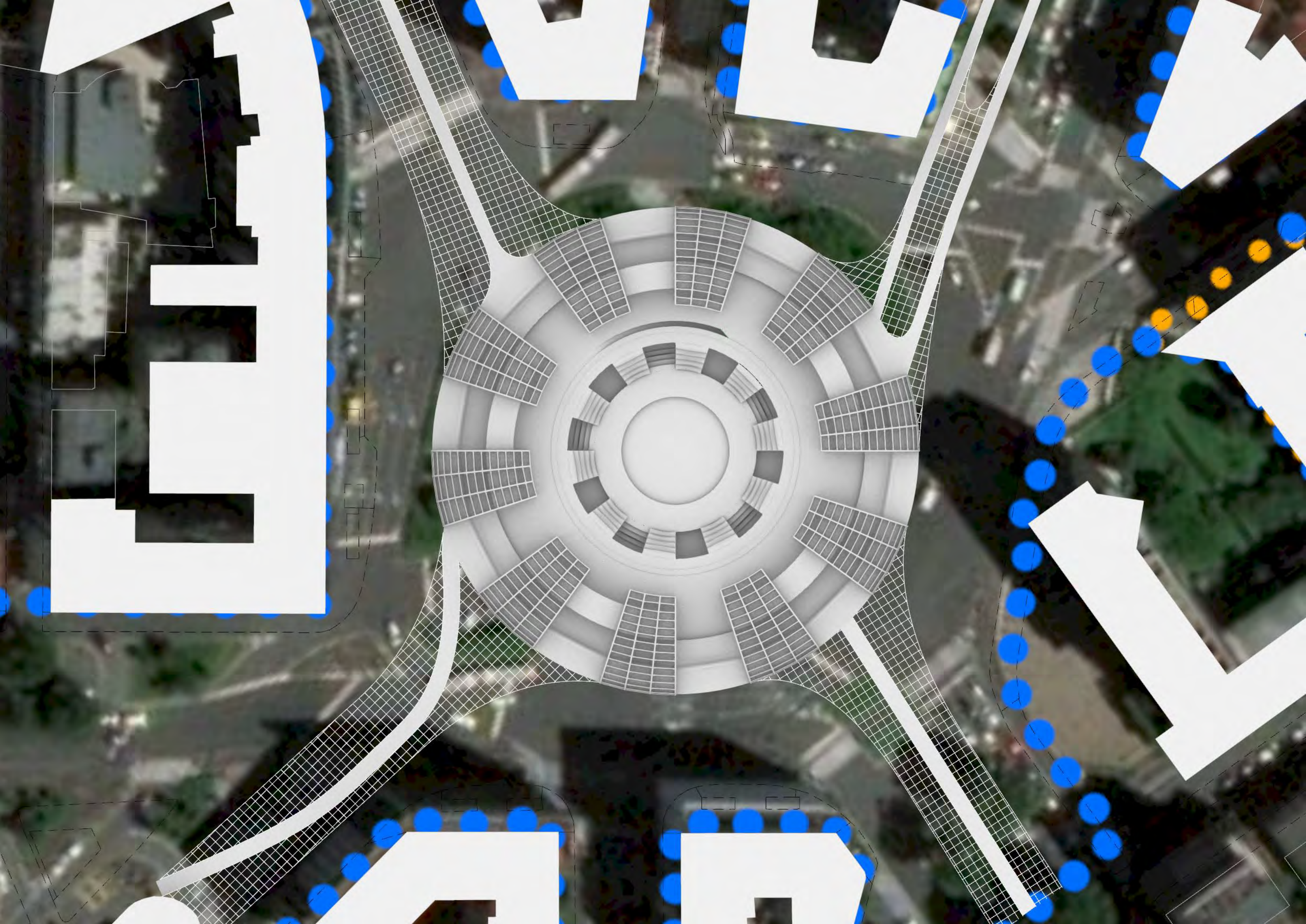
Underground
Connection

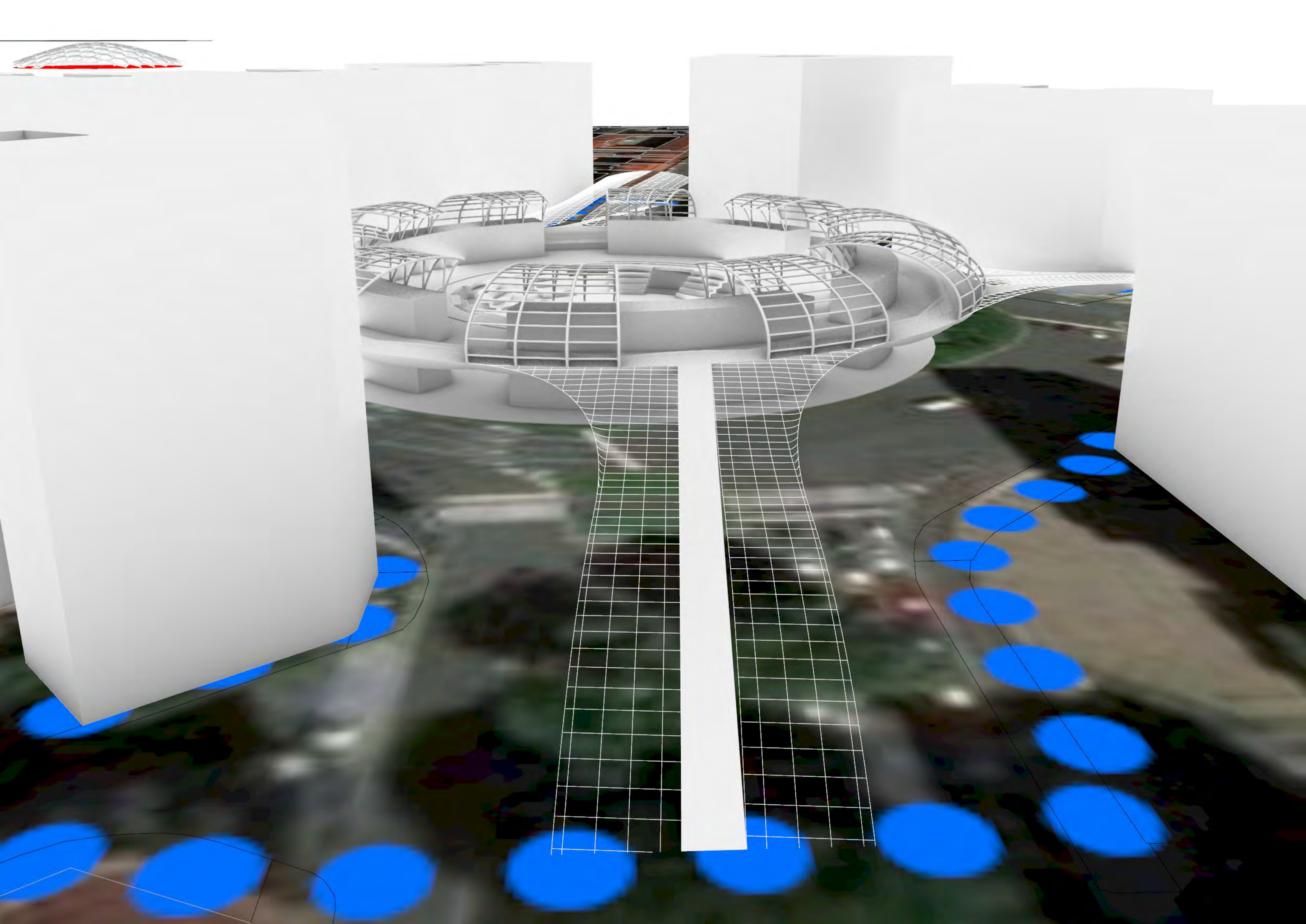
Pedestrian-Bike

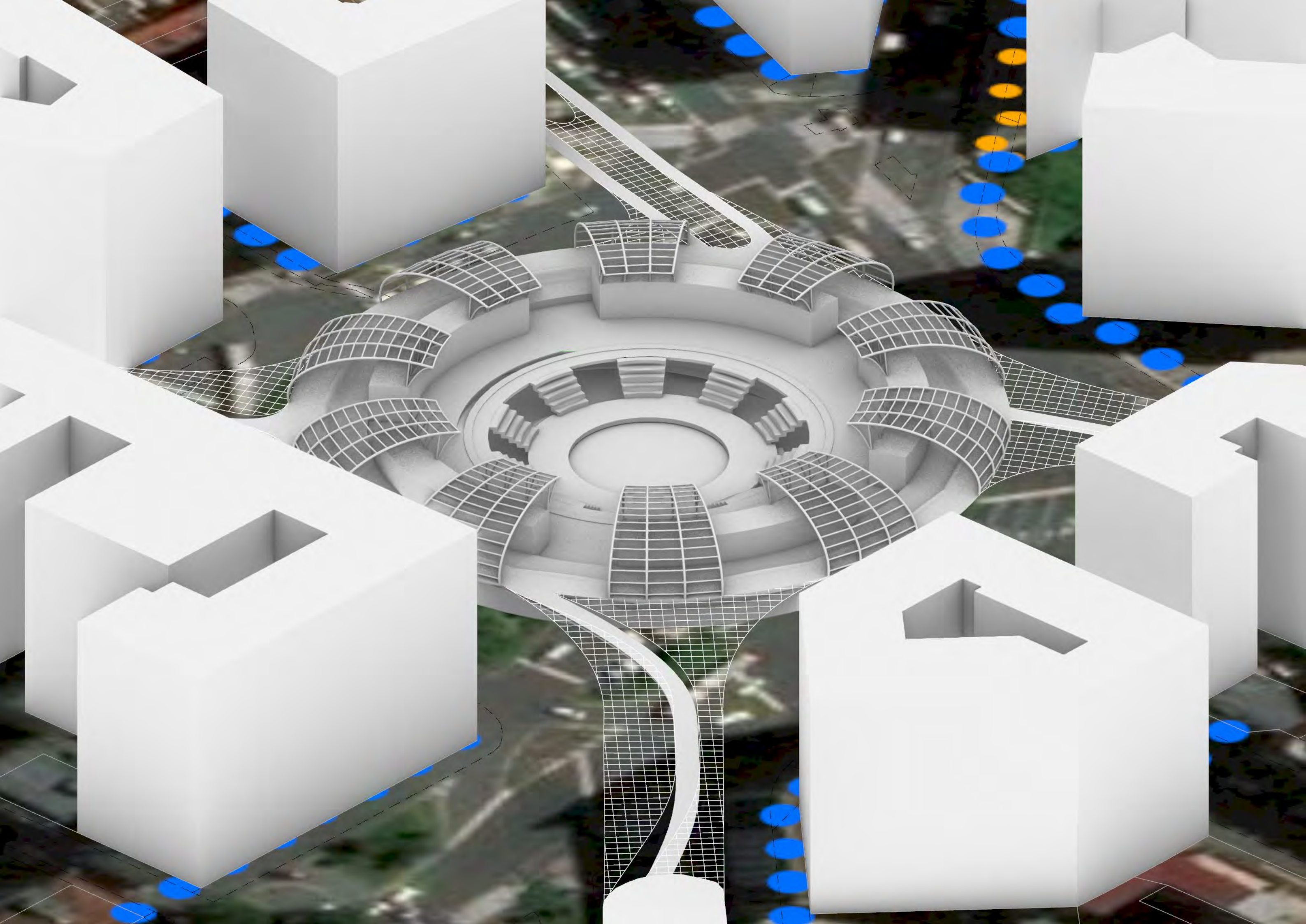
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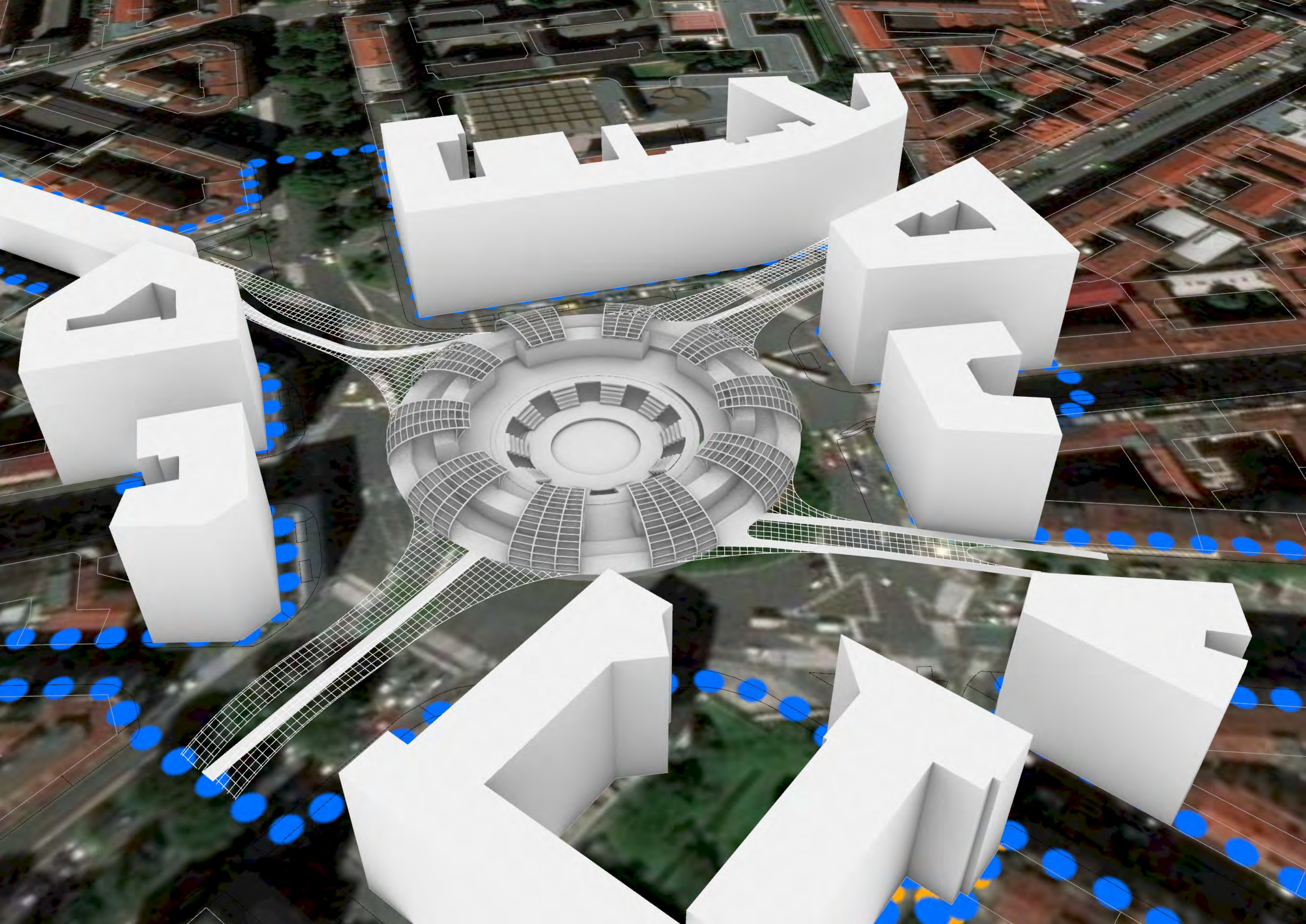


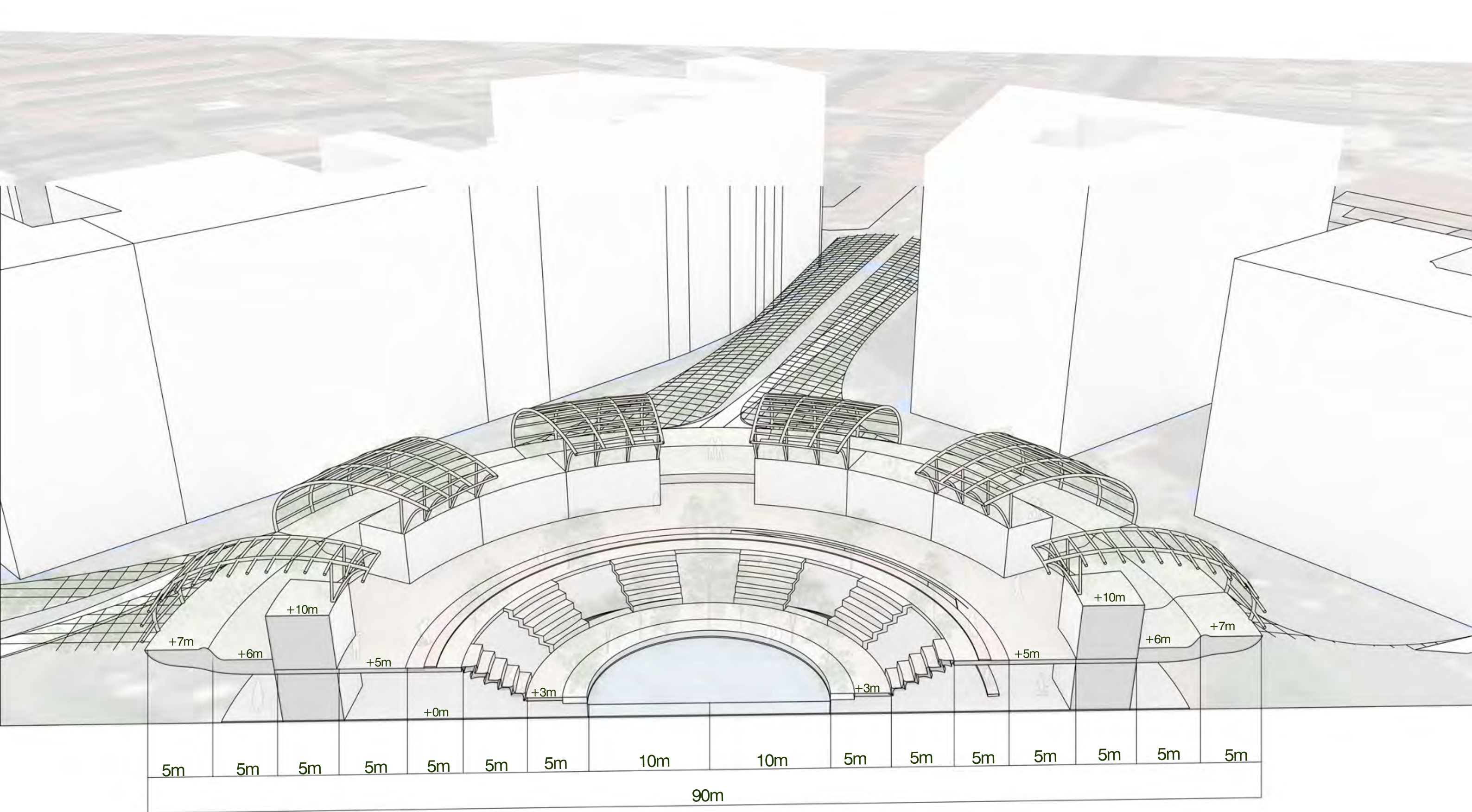


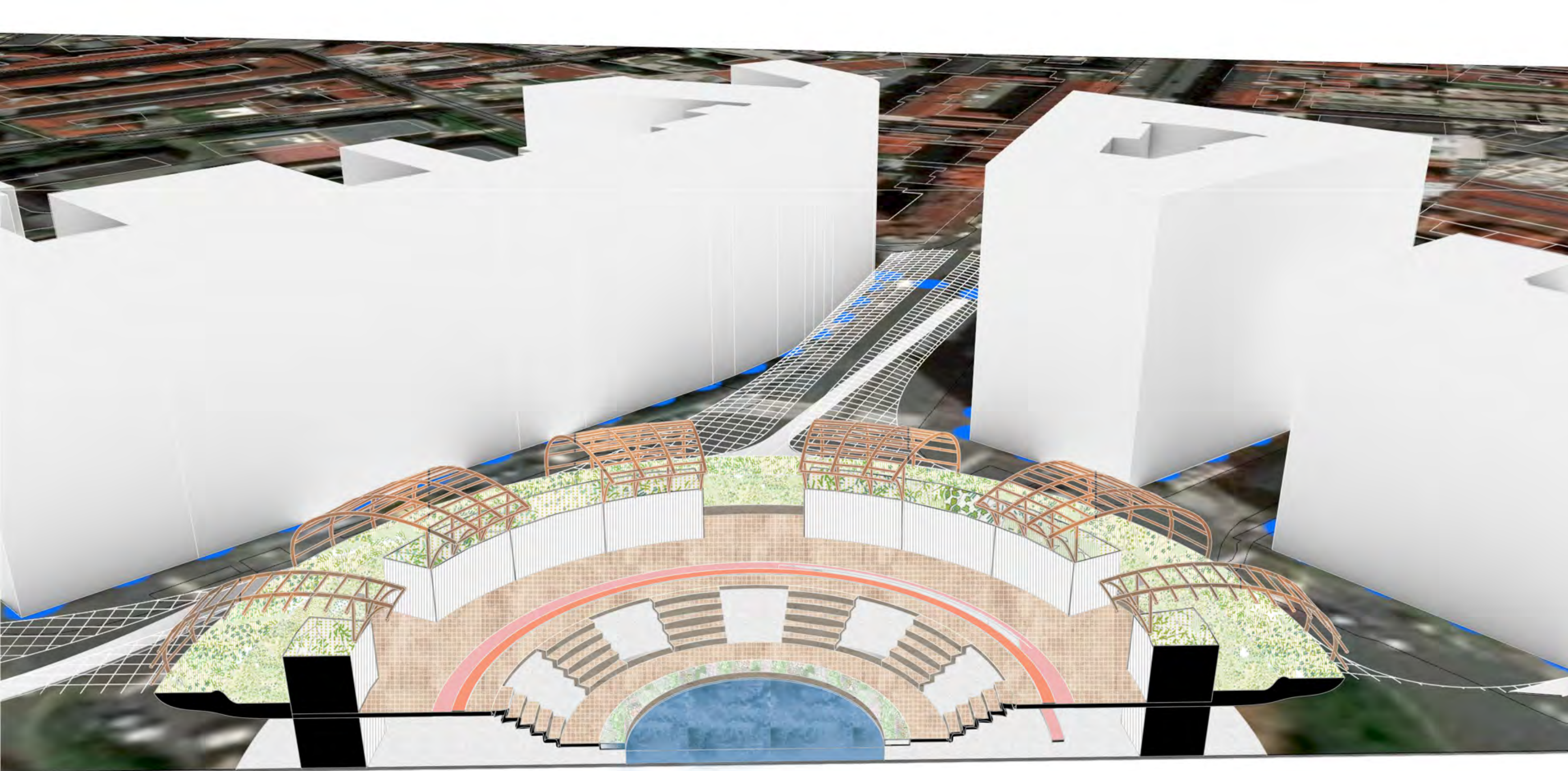






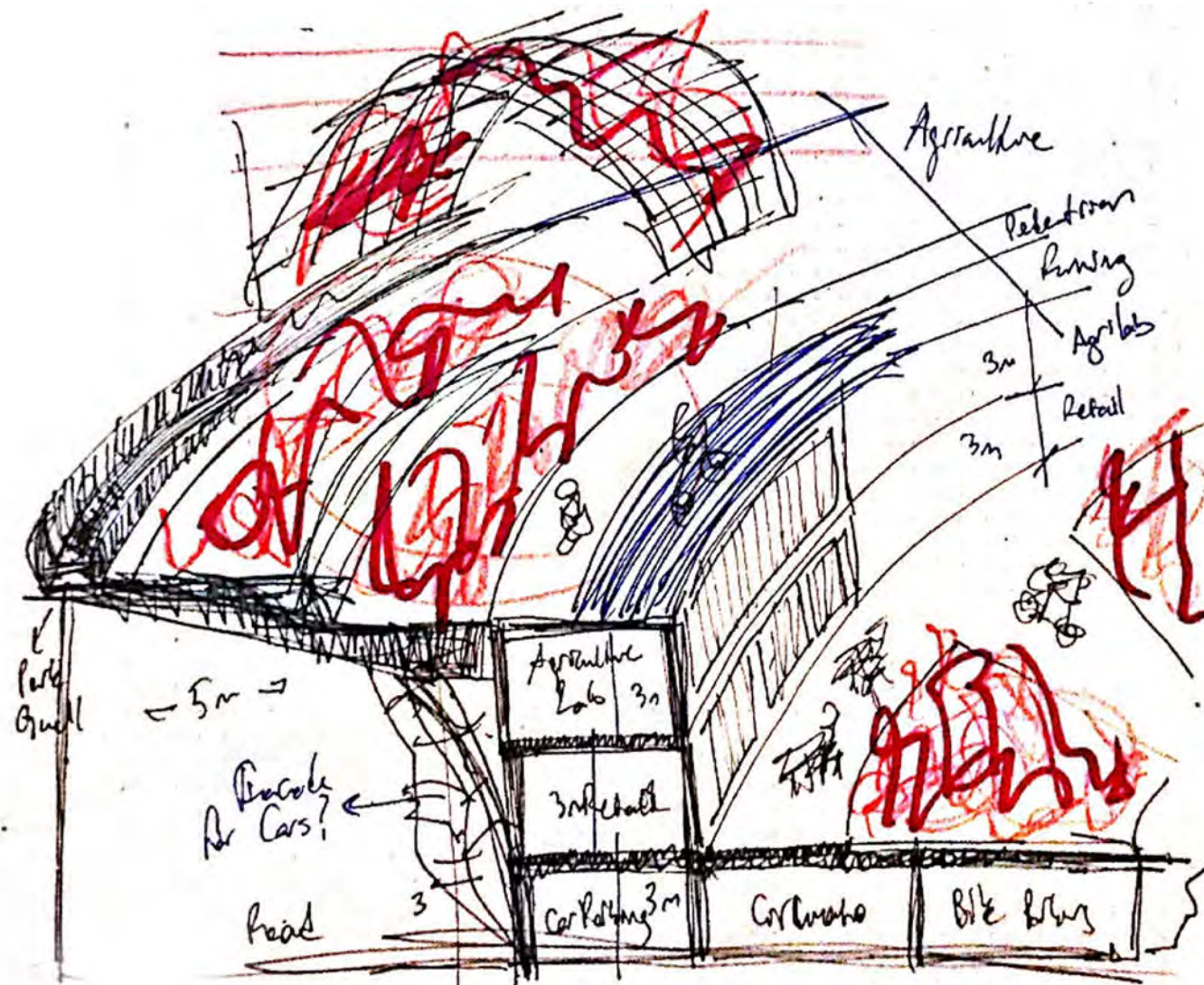


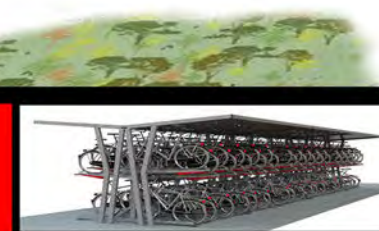
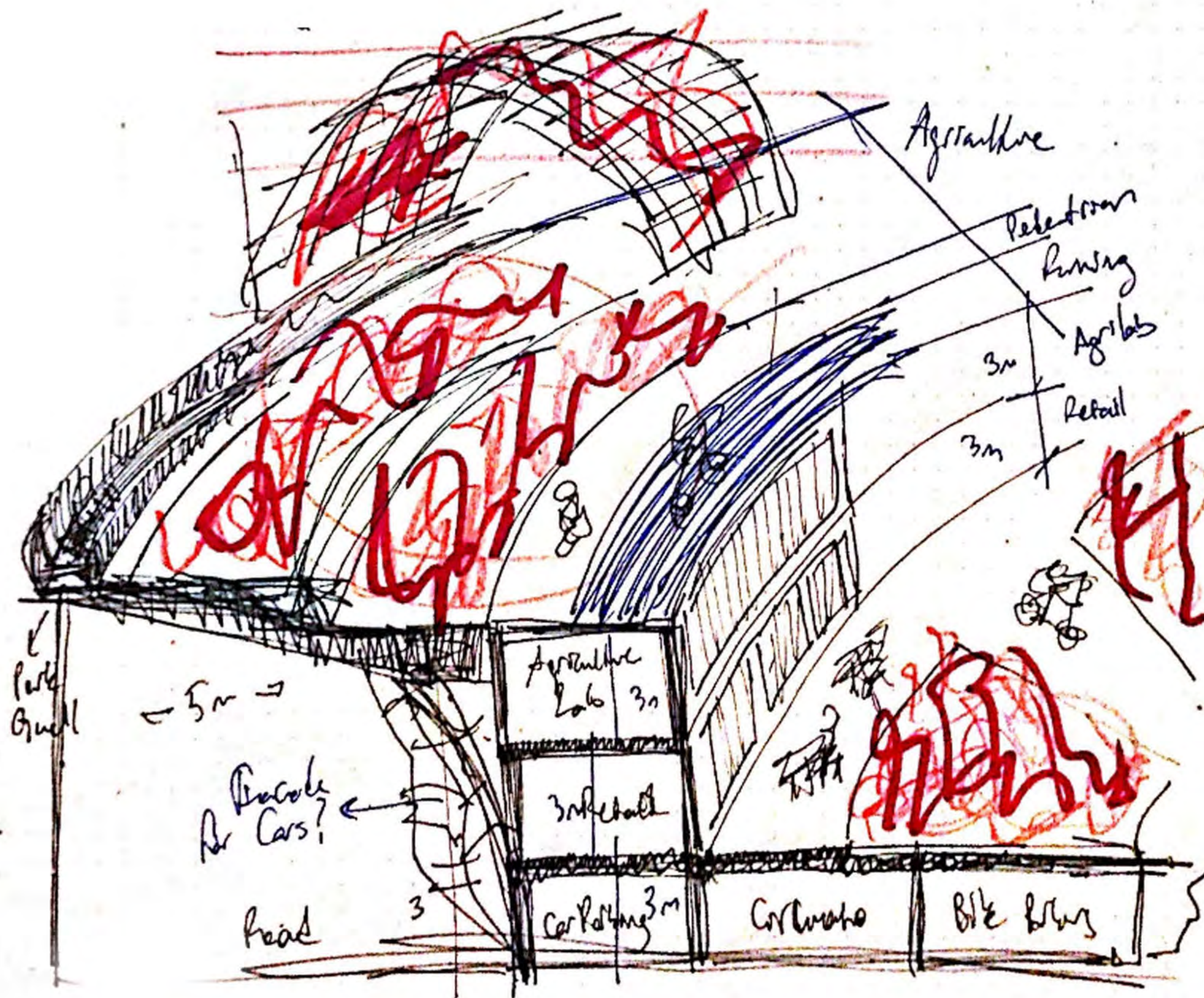






5





FUNCTION DIAGRAM SECTION

URBAN AGRICULTURE
vertical fields, labs

Sports,
Pedestrian

LEISURE
Urban Furnitures,
Playgrounds

CENTER
Park with Water

LEISURE
Urban Furnitures,
Playgrounds

Sports,
Pedestrian

URBAN AGRICULTURE
vertical fields, labs



Car Road

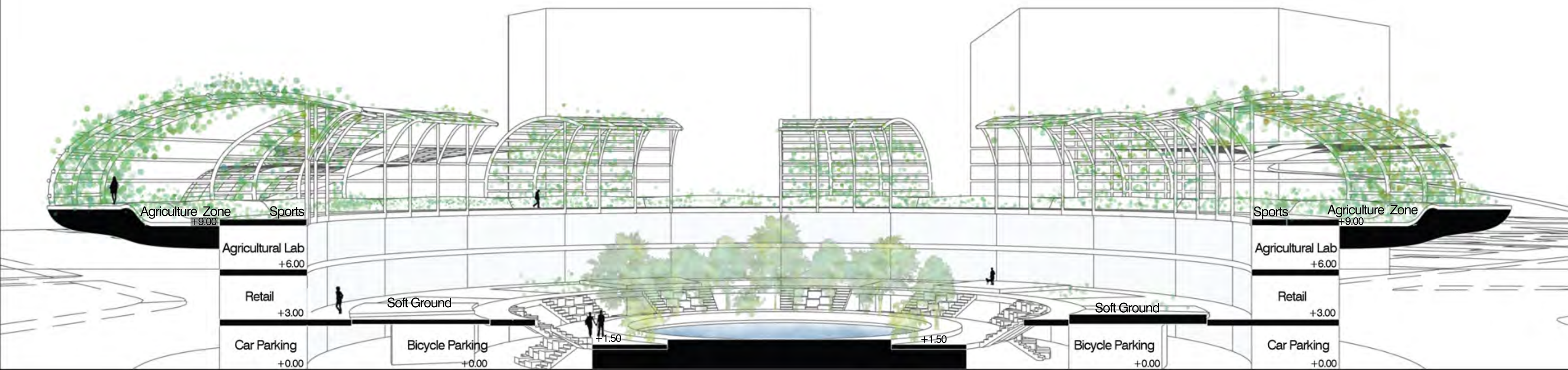
Car Parking

Bike Parking

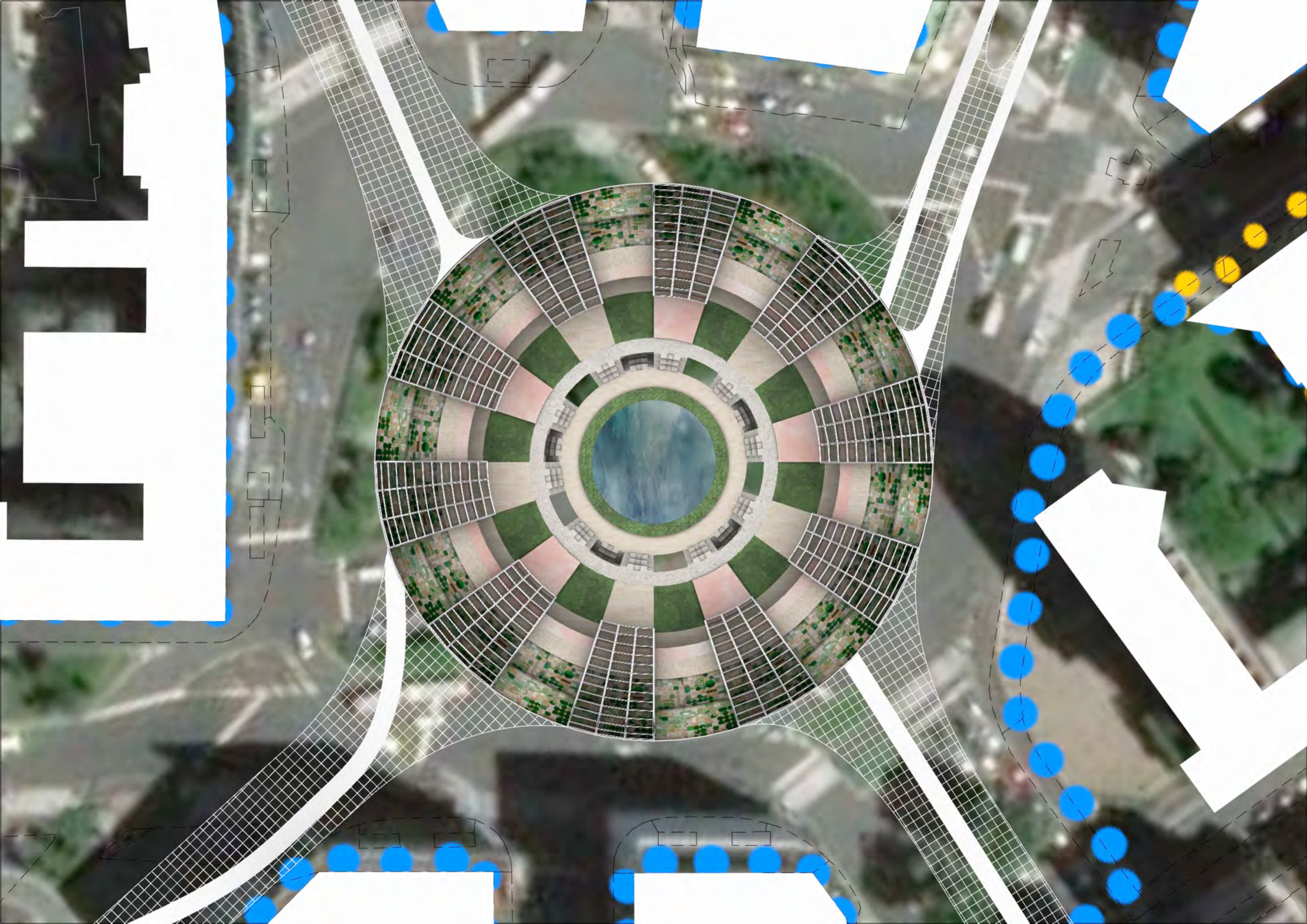
Bike Parking

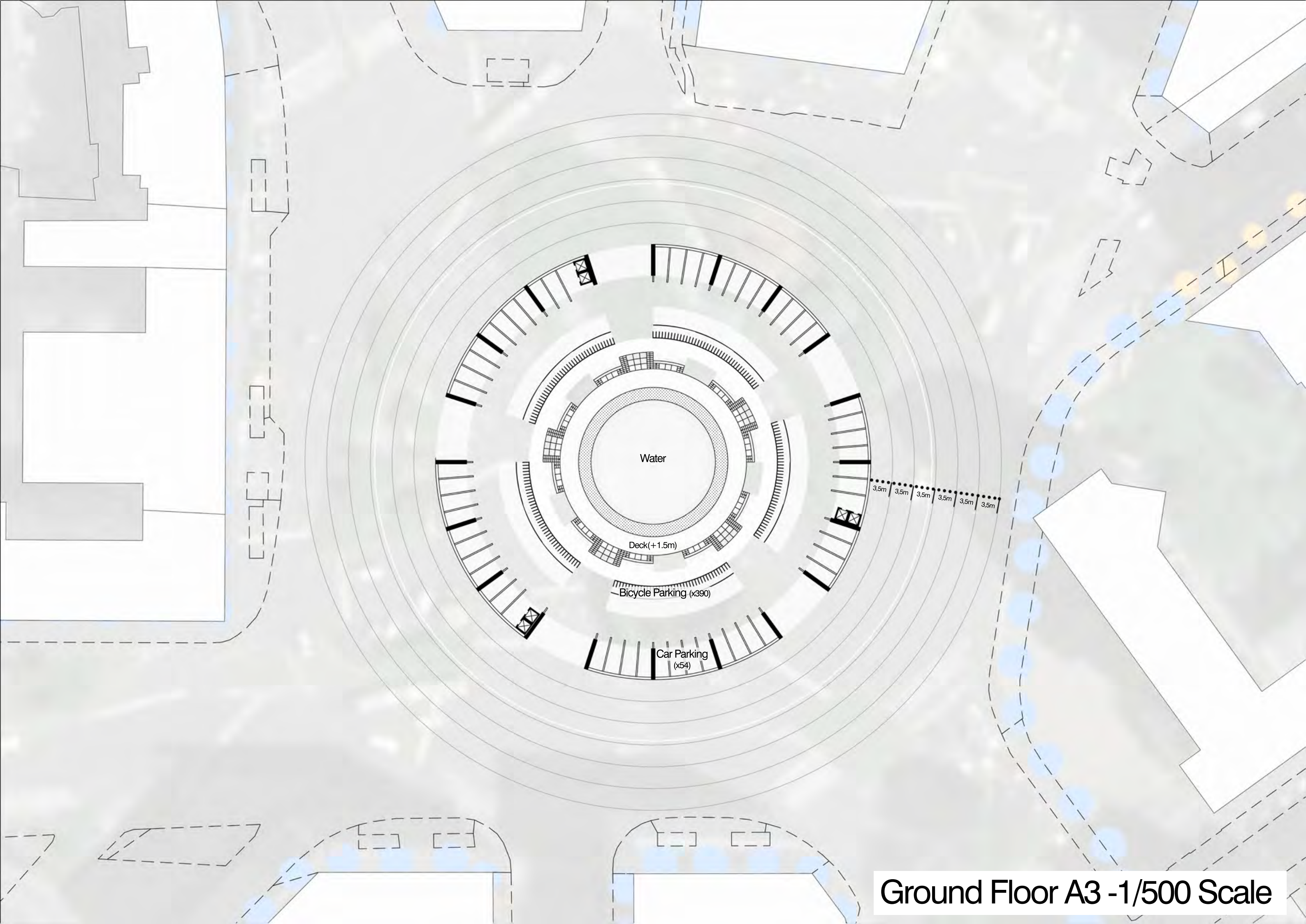
Car Parking

Car Road









Ground Floor A3 -1/500 Scale



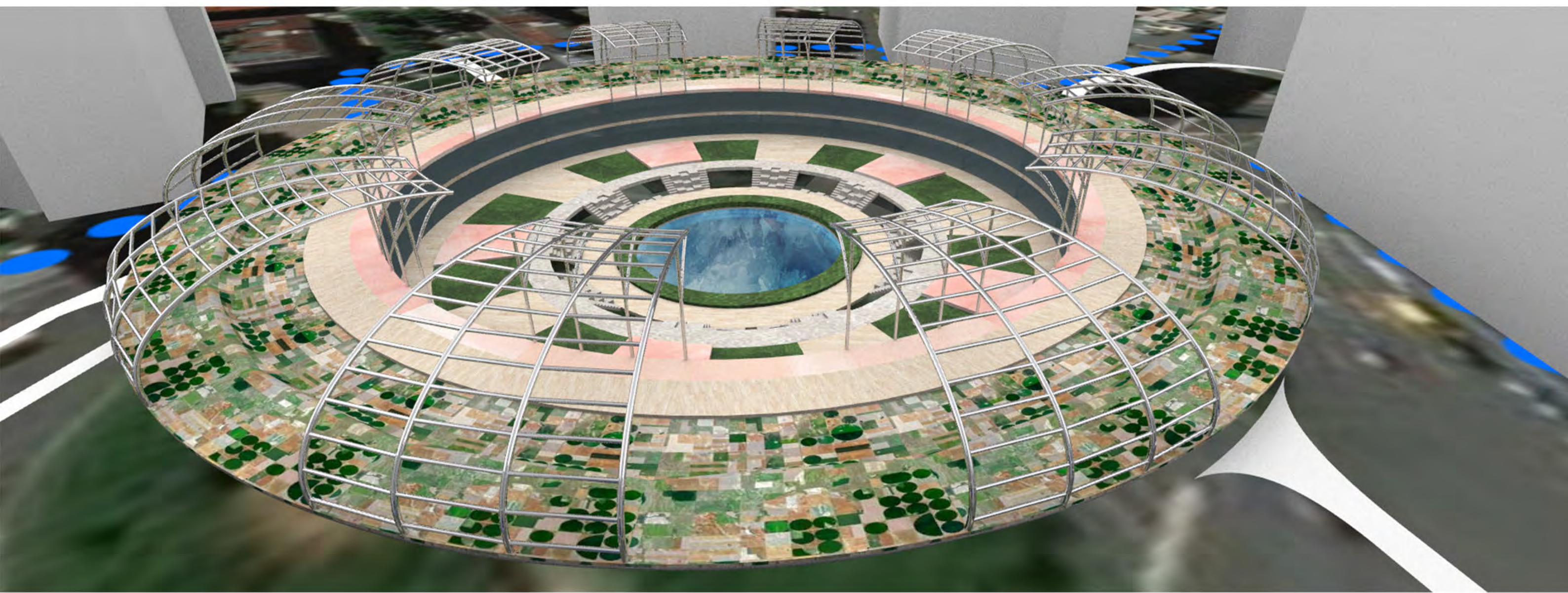
Water

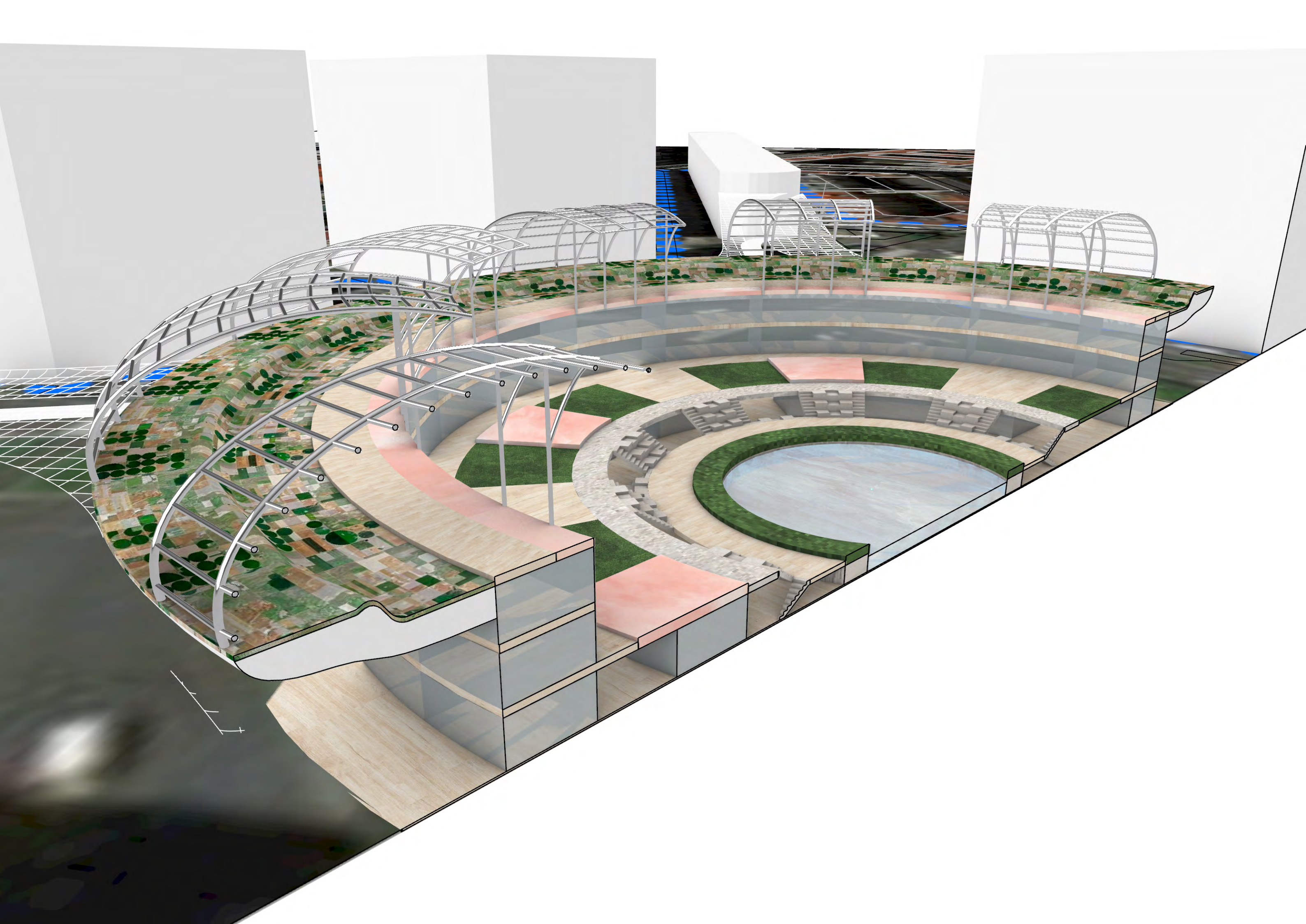
Deck(+1.5m)

Green
Soft Ground

Retail

1st Floor A3 -1/500 Scale



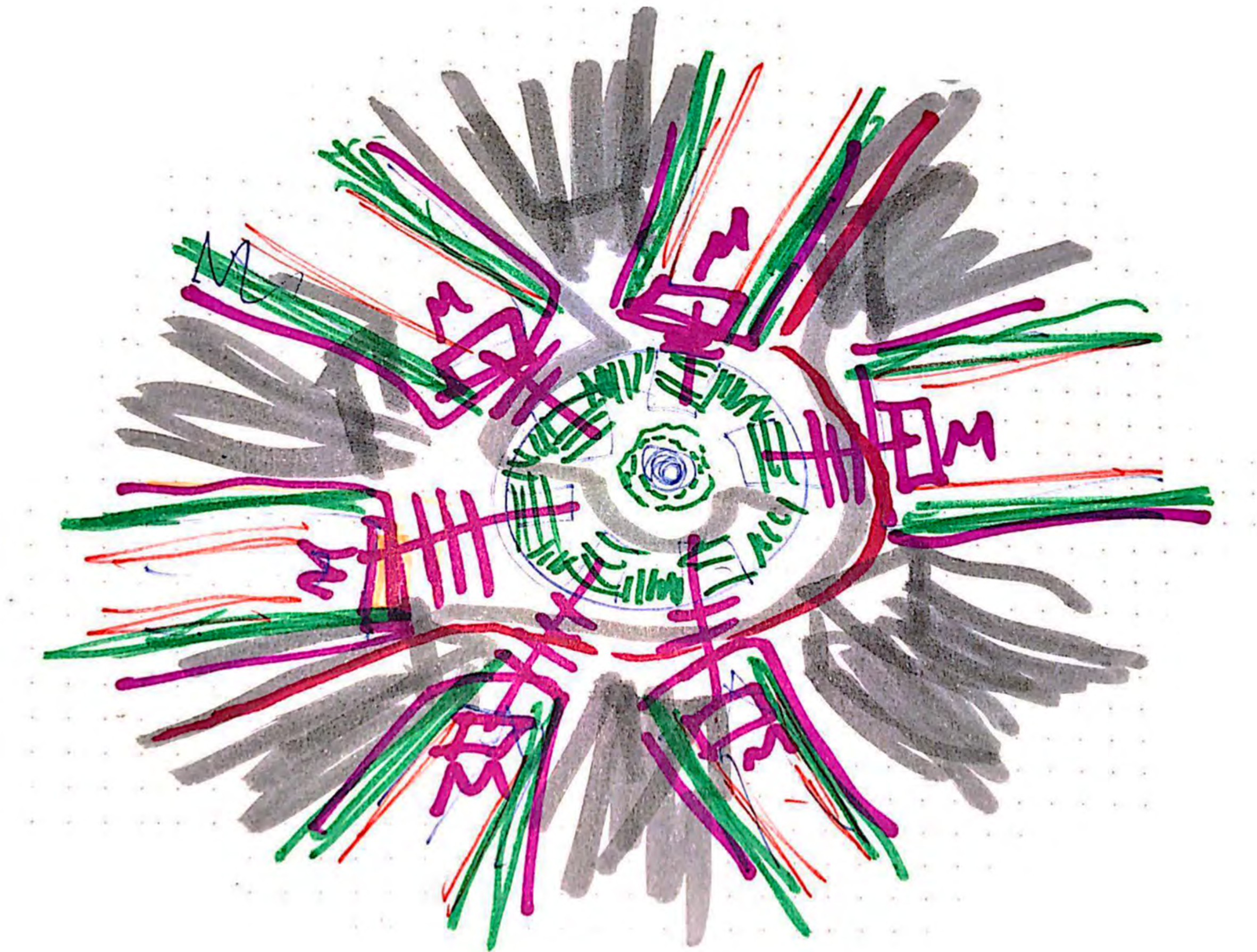


Bicycle Features

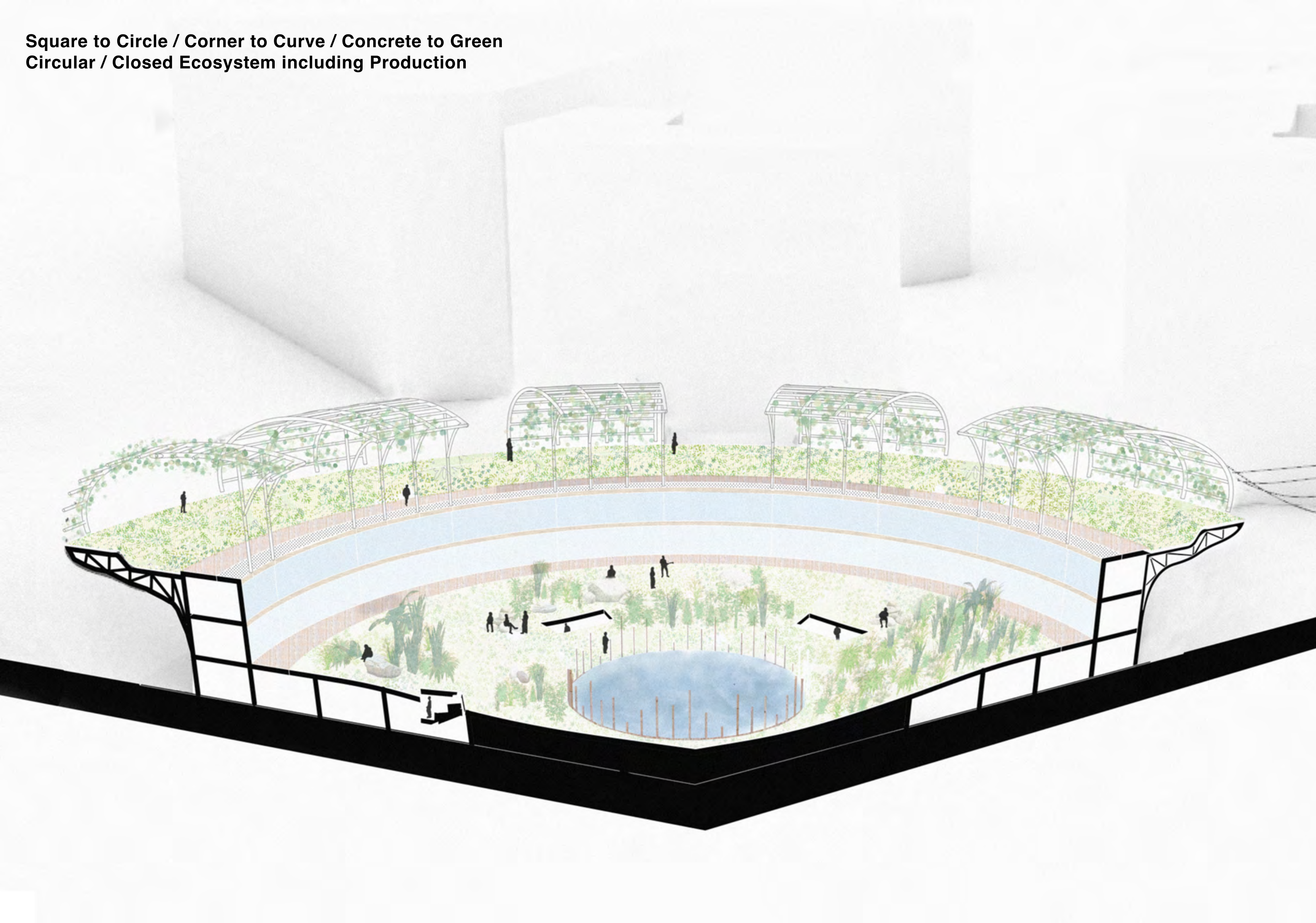


6

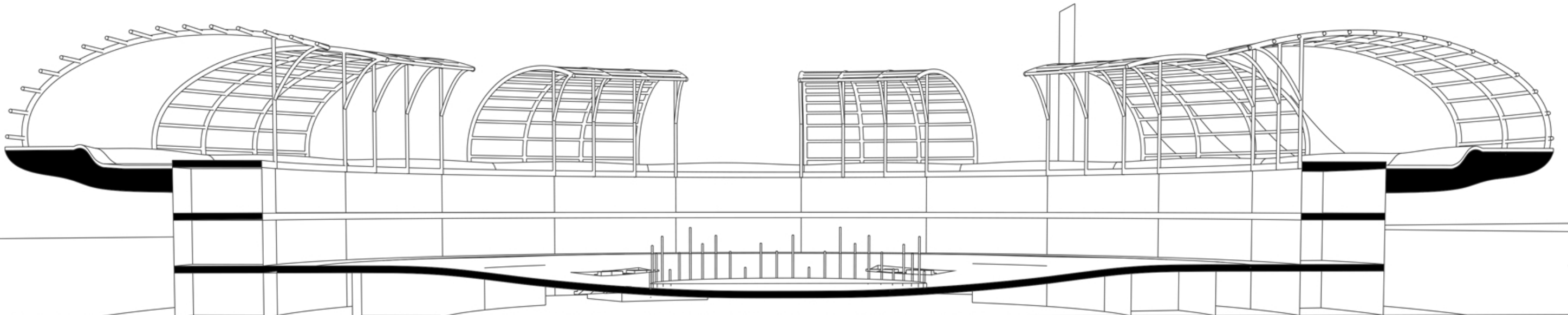
Urban Policy Diagram Sketch



Square to Circle / Corner to Curve / Concrete to Green
Circular / Closed Ecosystem including Production



Section of Topos Slope





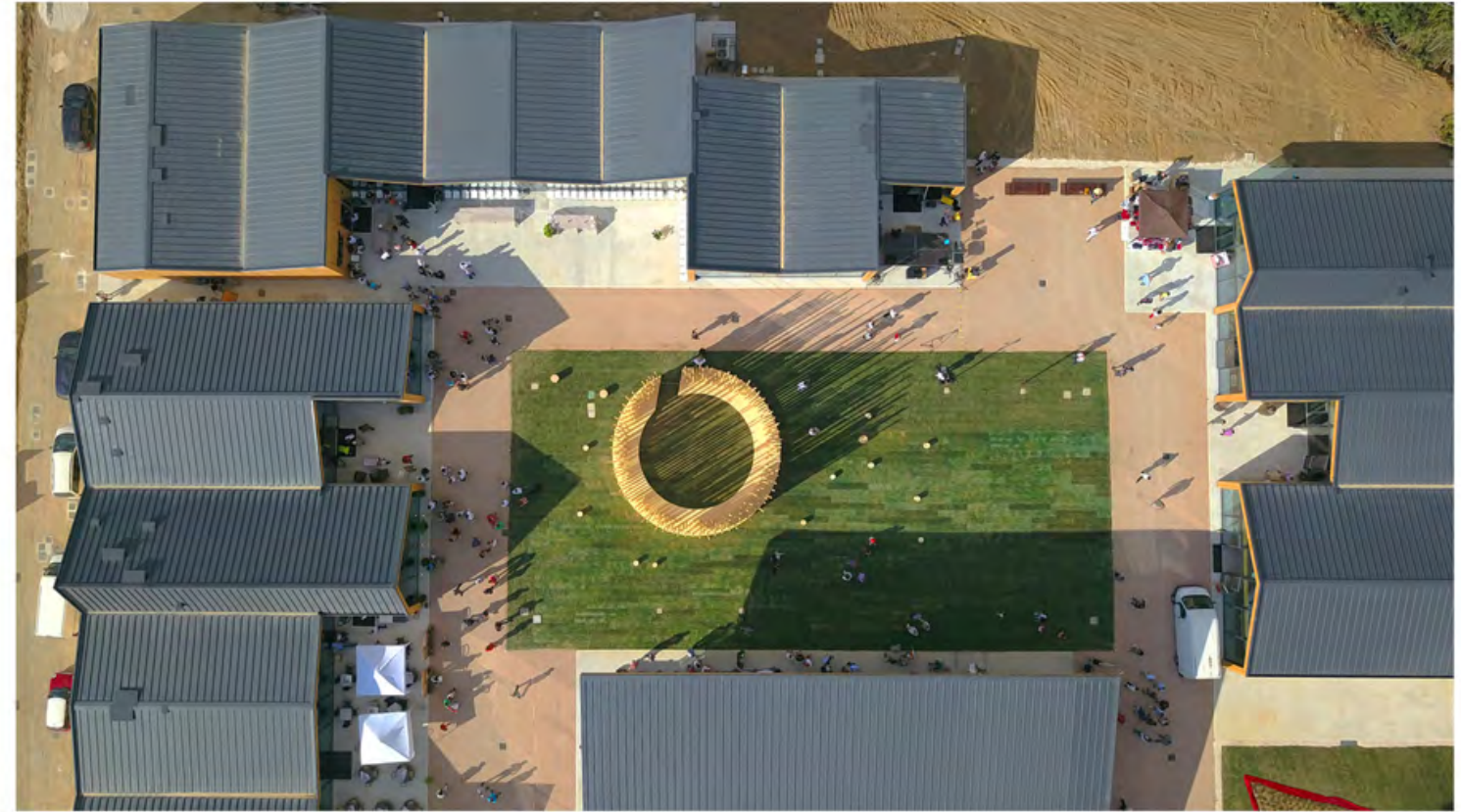
Referances



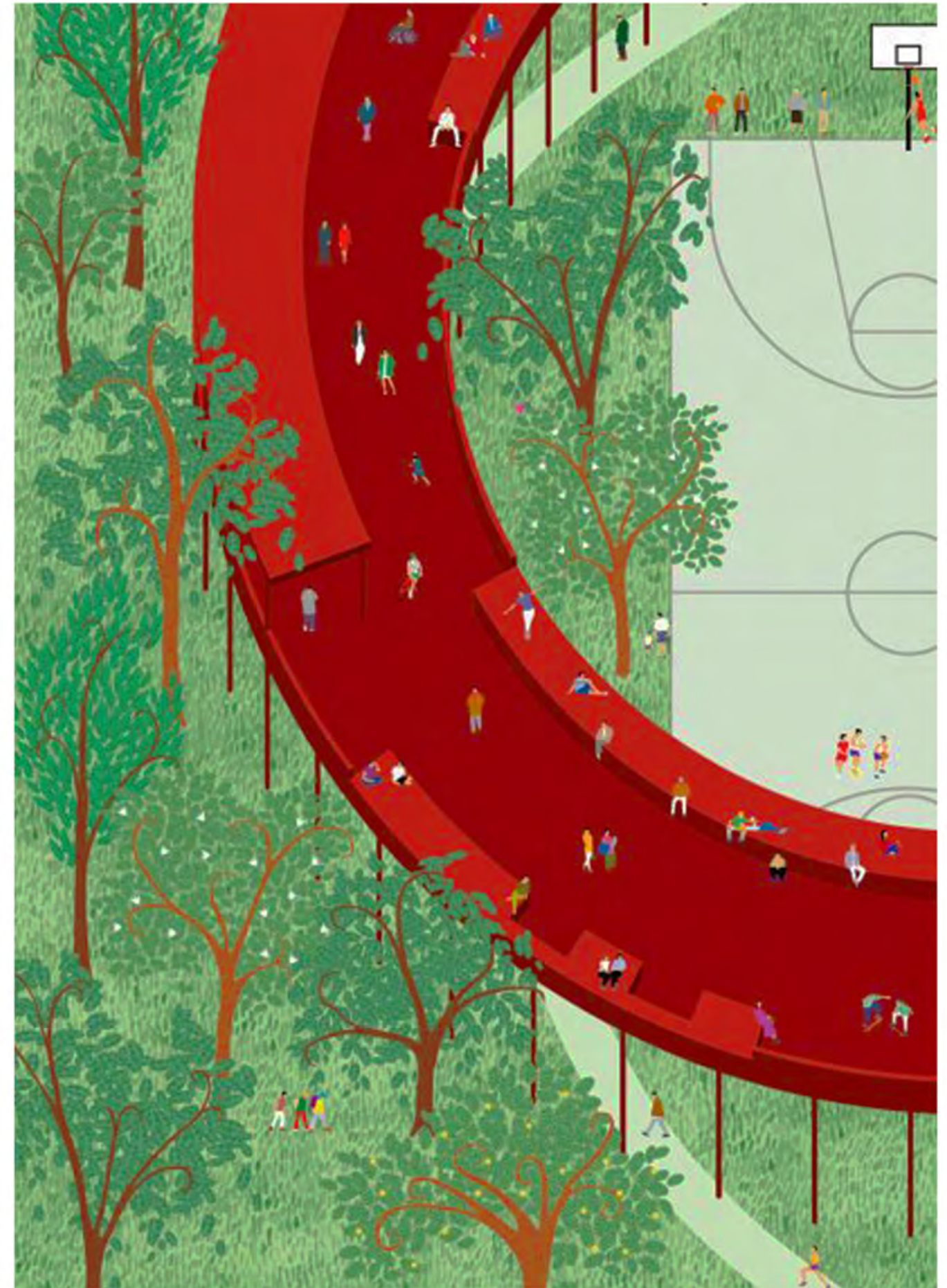
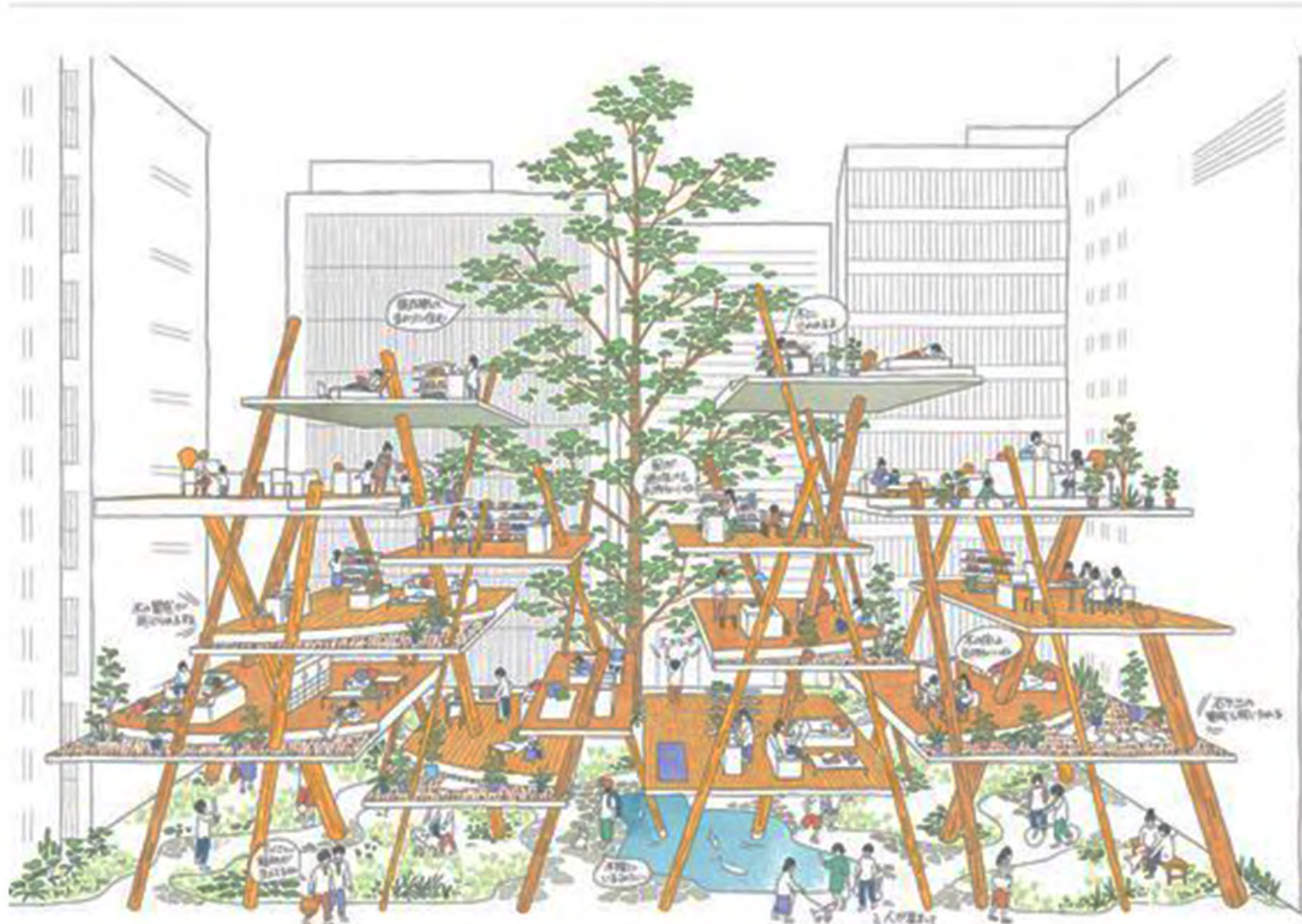
References



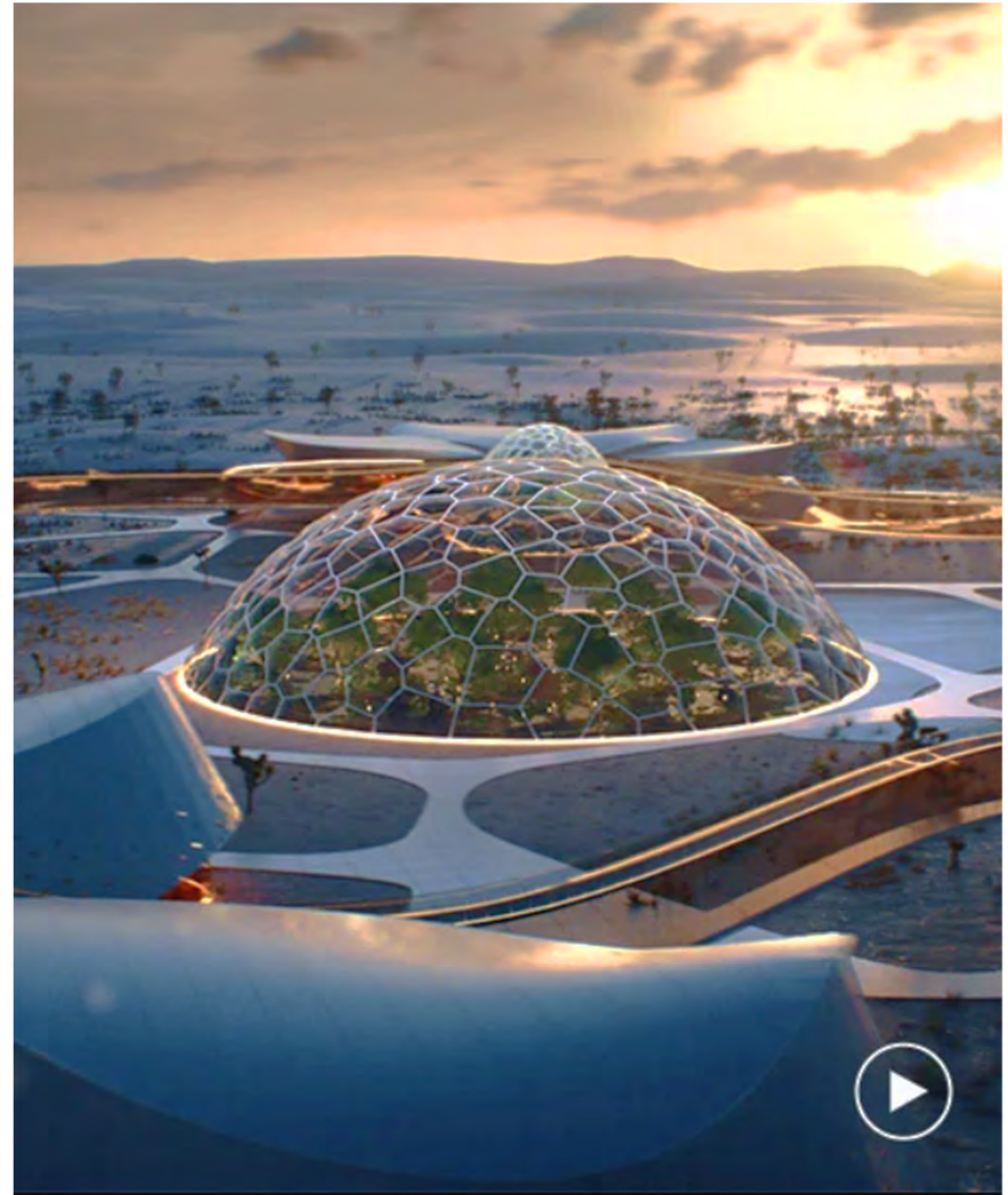
References



Referances



Referances



Referances

PROGRAMA



SUPERFÍCIE



Planta Primera
Centre d'investigació
Esport

8000 m²
2100 m²
8100 m²



Planta Segona
Oci
Bar i Restaurants Orgànics
Productes ecològics i comerç just

2850 m²
2070 m²
1550 m²
6470 m²



Planta Tercera
Oci
Bar i Restaurants Orgànics
Productes ecològics i comerç just

2000 m²
2000 m²
1200 m²
5200 m²



Planta Quarta
Centre d'investigació
Bar i Restaurants Orgànics

1500 m²
1500 m²
3000 m²



Quadre Resum
Centre d'investigació
Esport
Oci
Bar i Restaurants Orgànics
Productes ecològics i comerç just

3000 m²

Quadre Resum

Centre d'investigació 10500 m²
Esport 2100 m²
Oci 4850 m²
Bar i Restaurants Orgànics 5570 m²
Productes ecològics i comerç just 2750 m²
25770 m²

TEMPORITZADOR



primavera y estiu



tot l'any



els caps de setmana



tota la setmana

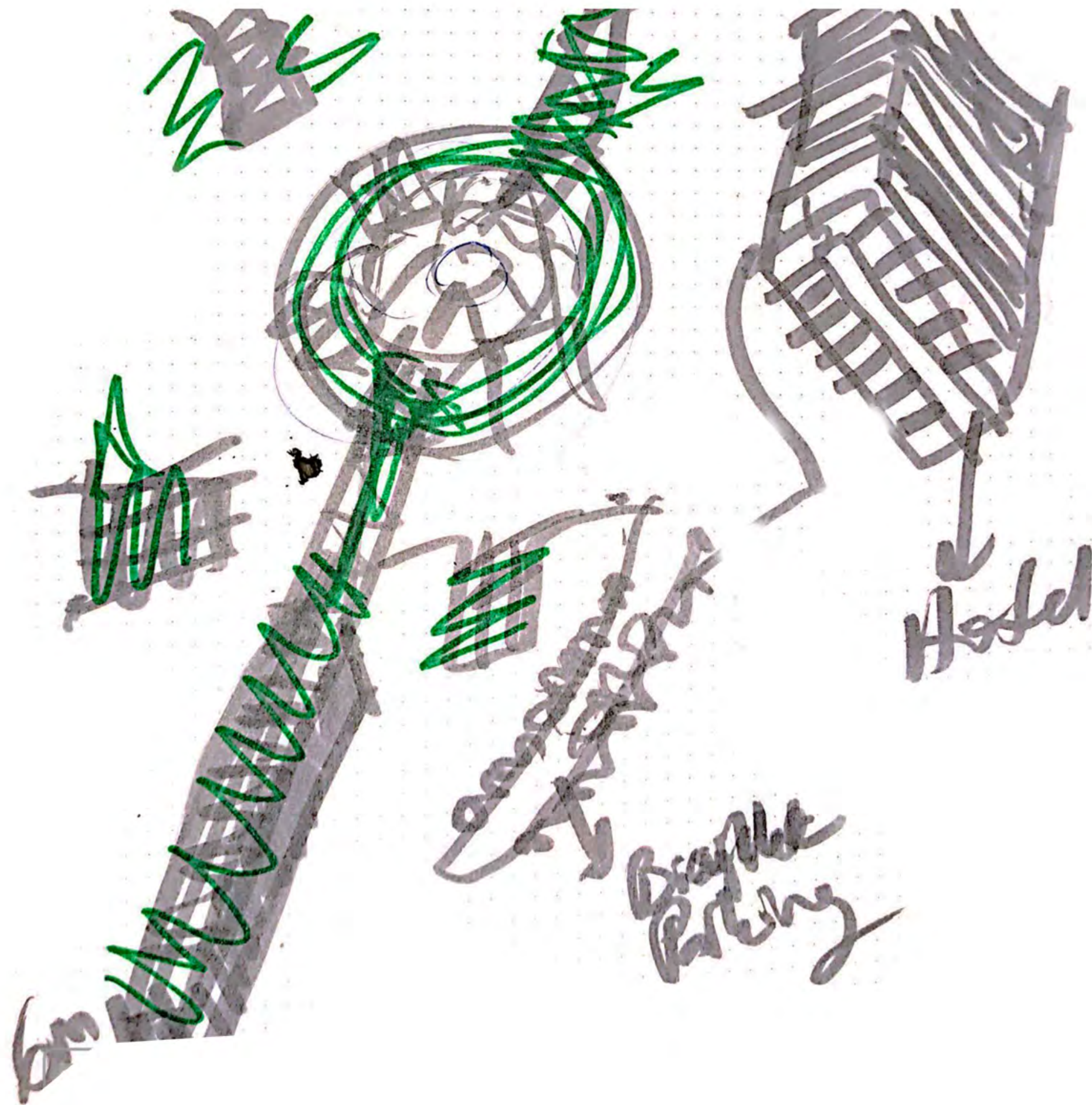


a la tarda

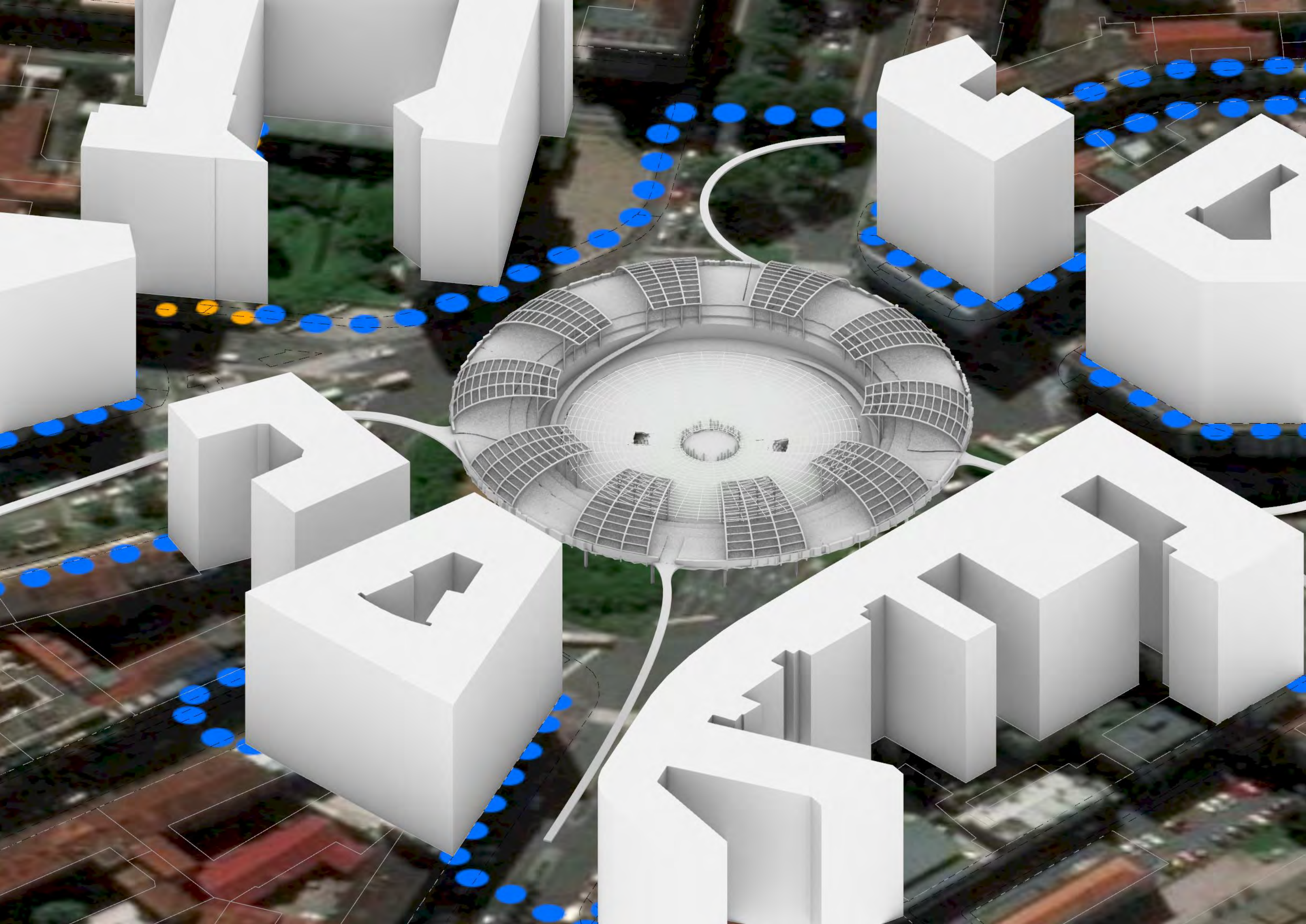


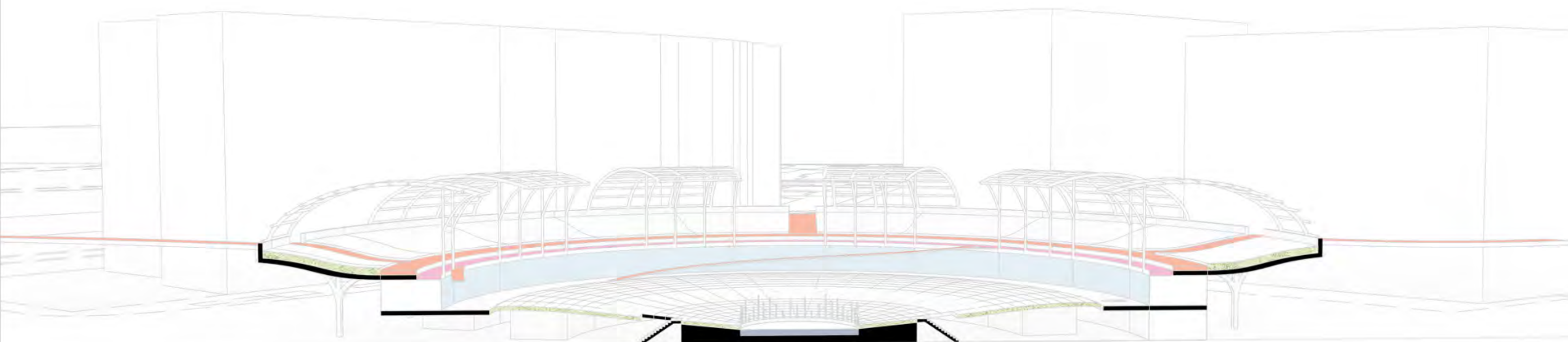
tot el dia

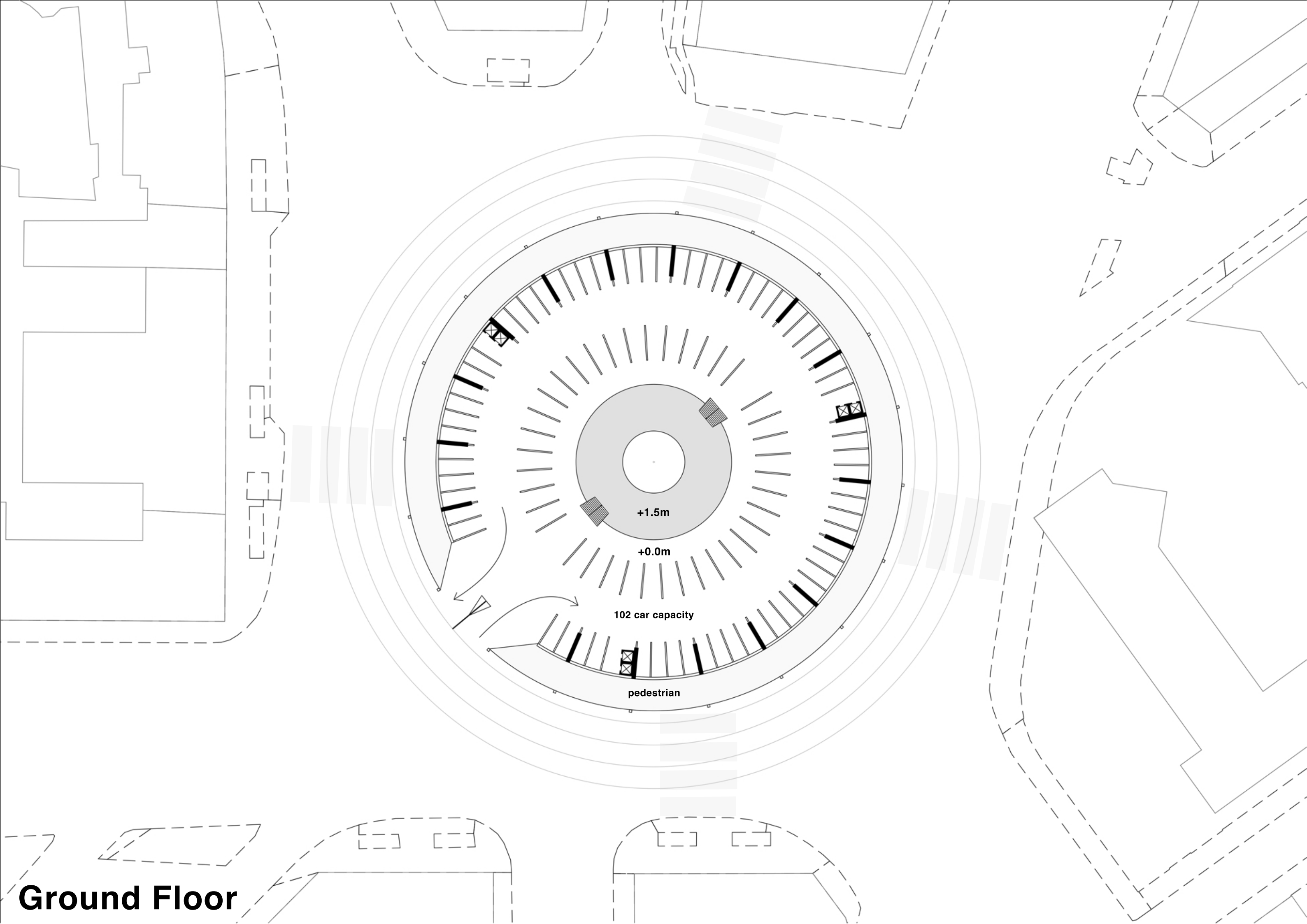
Decarbonized Landmark



7







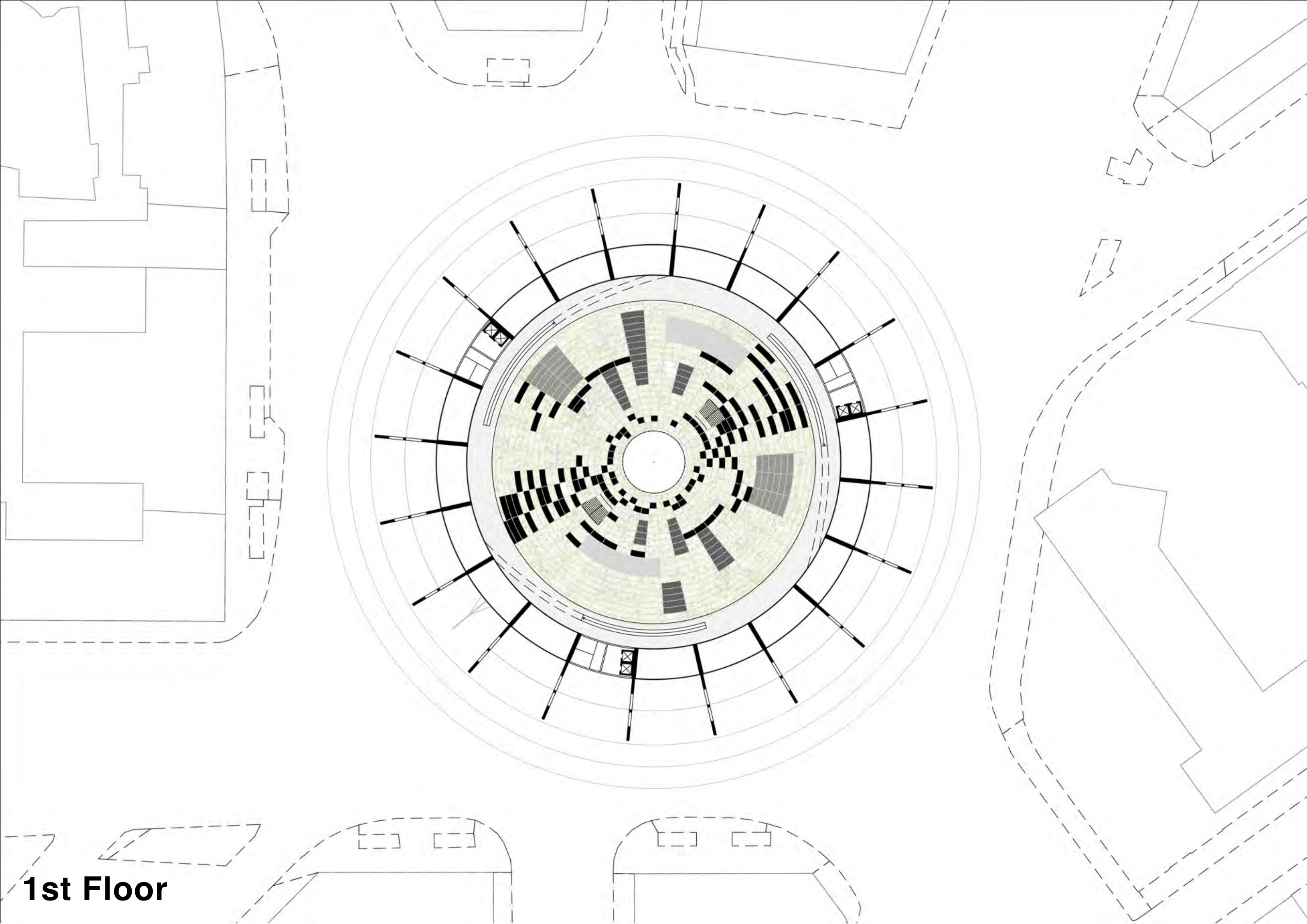
+1.5m

+0.0m

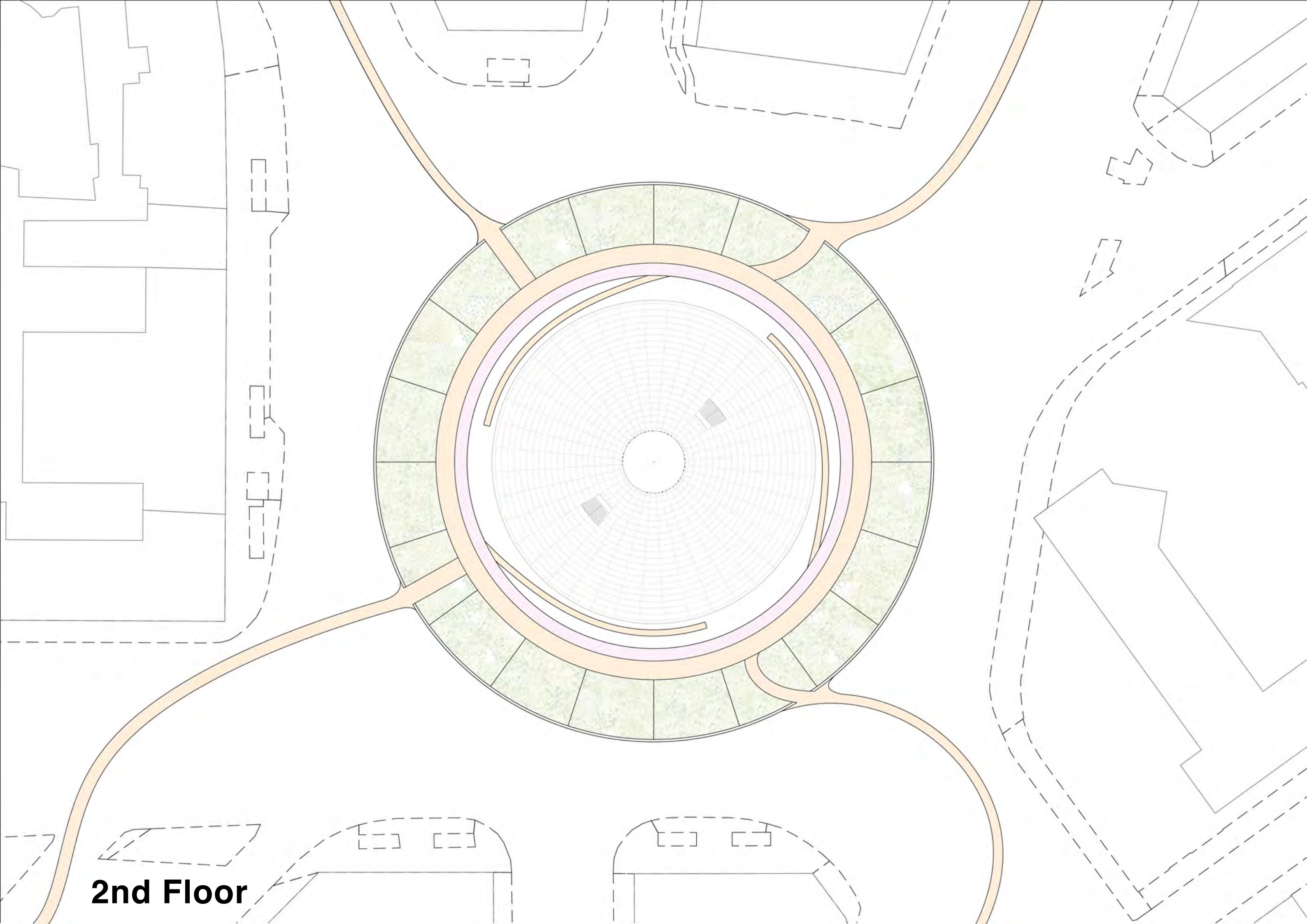
102 car capacity

pedestrian

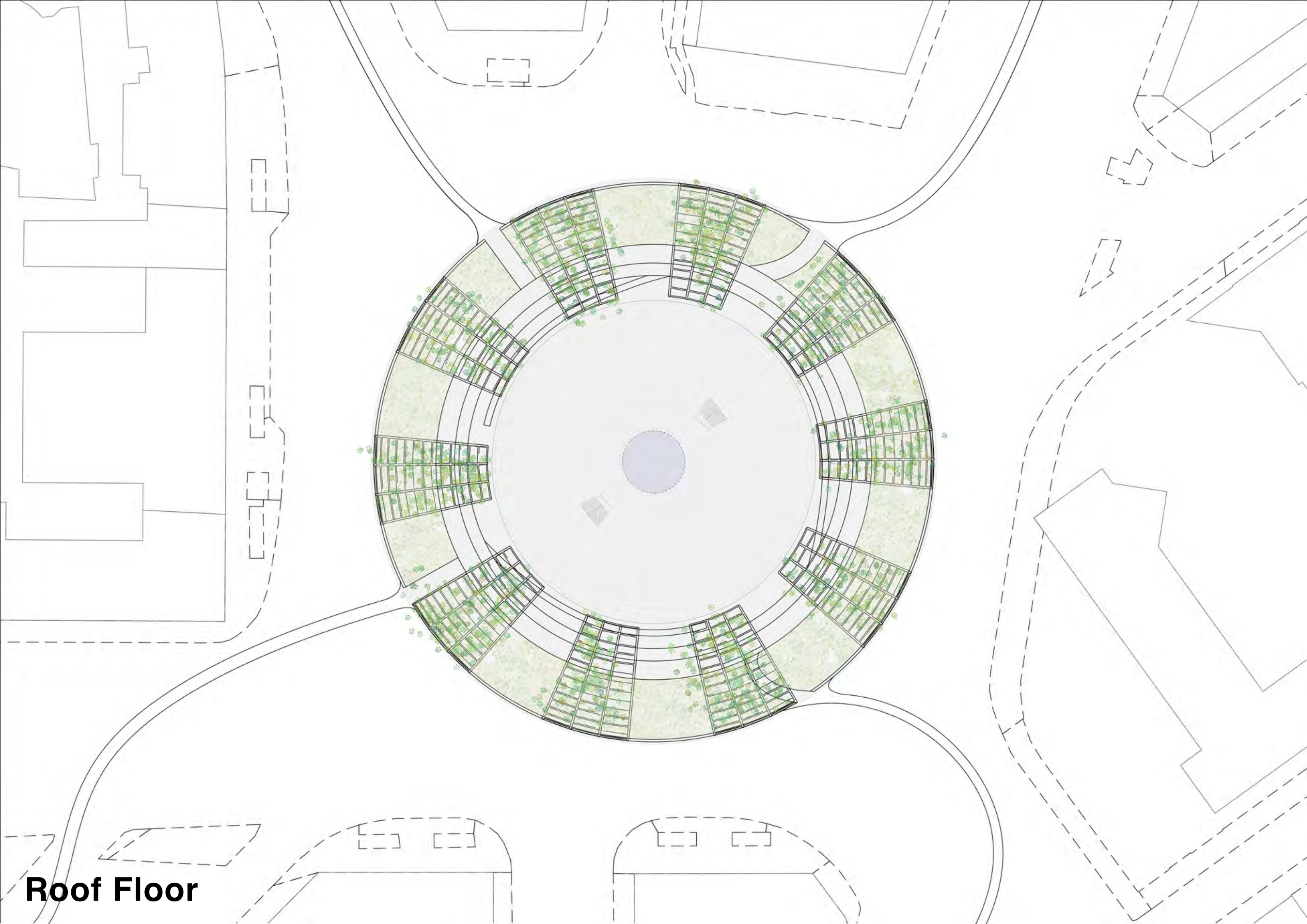
Ground Floor



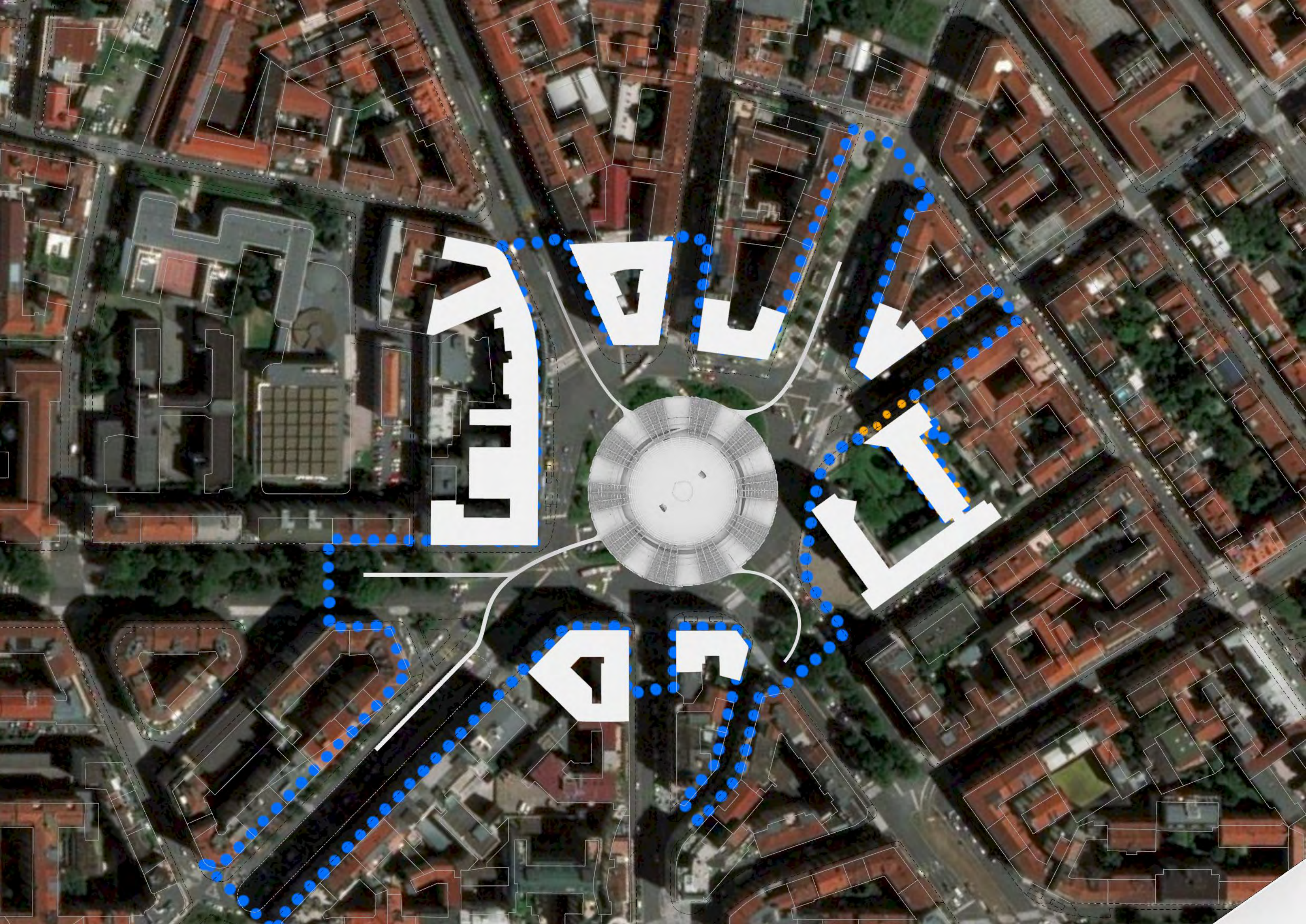
1st Floor

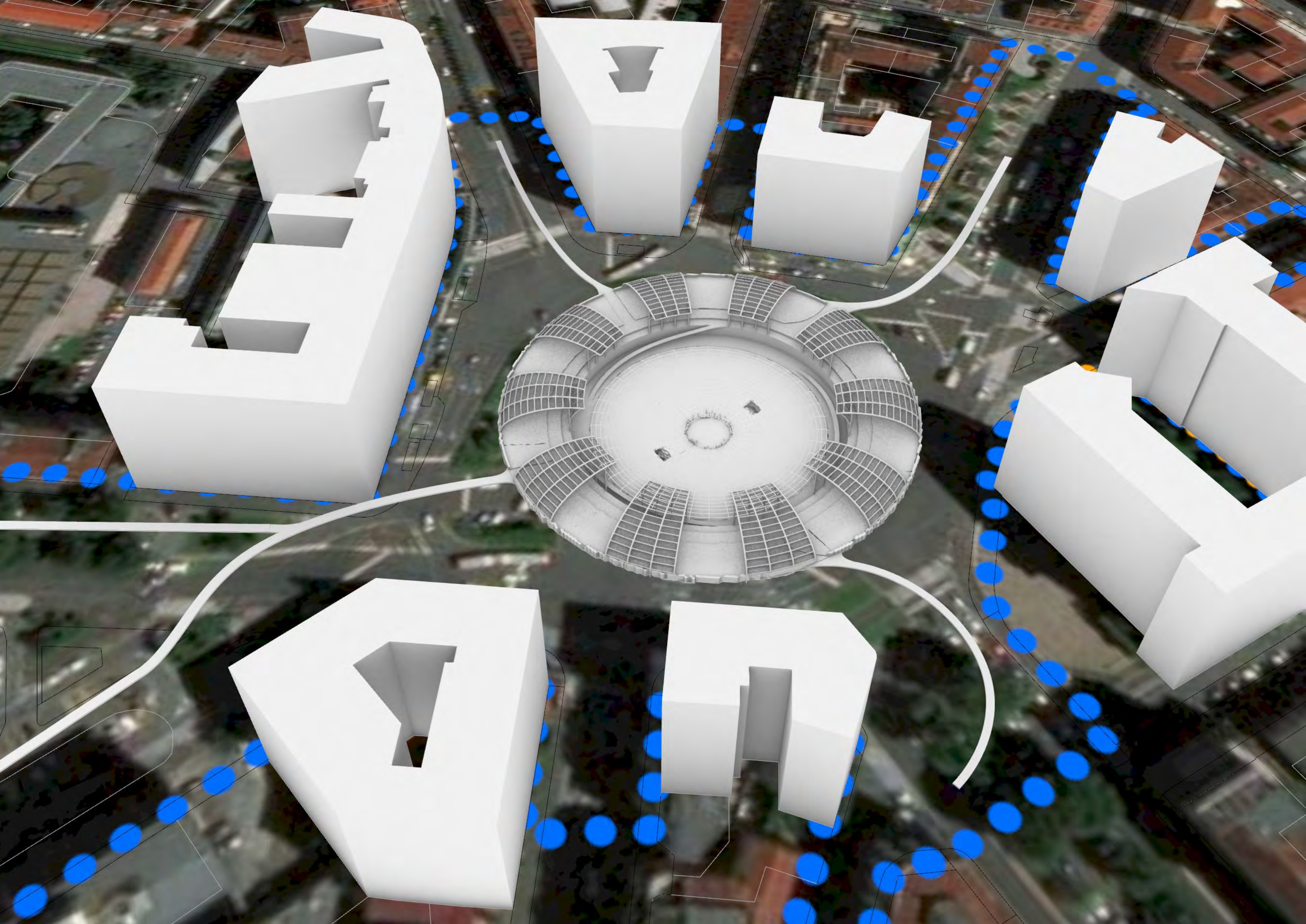


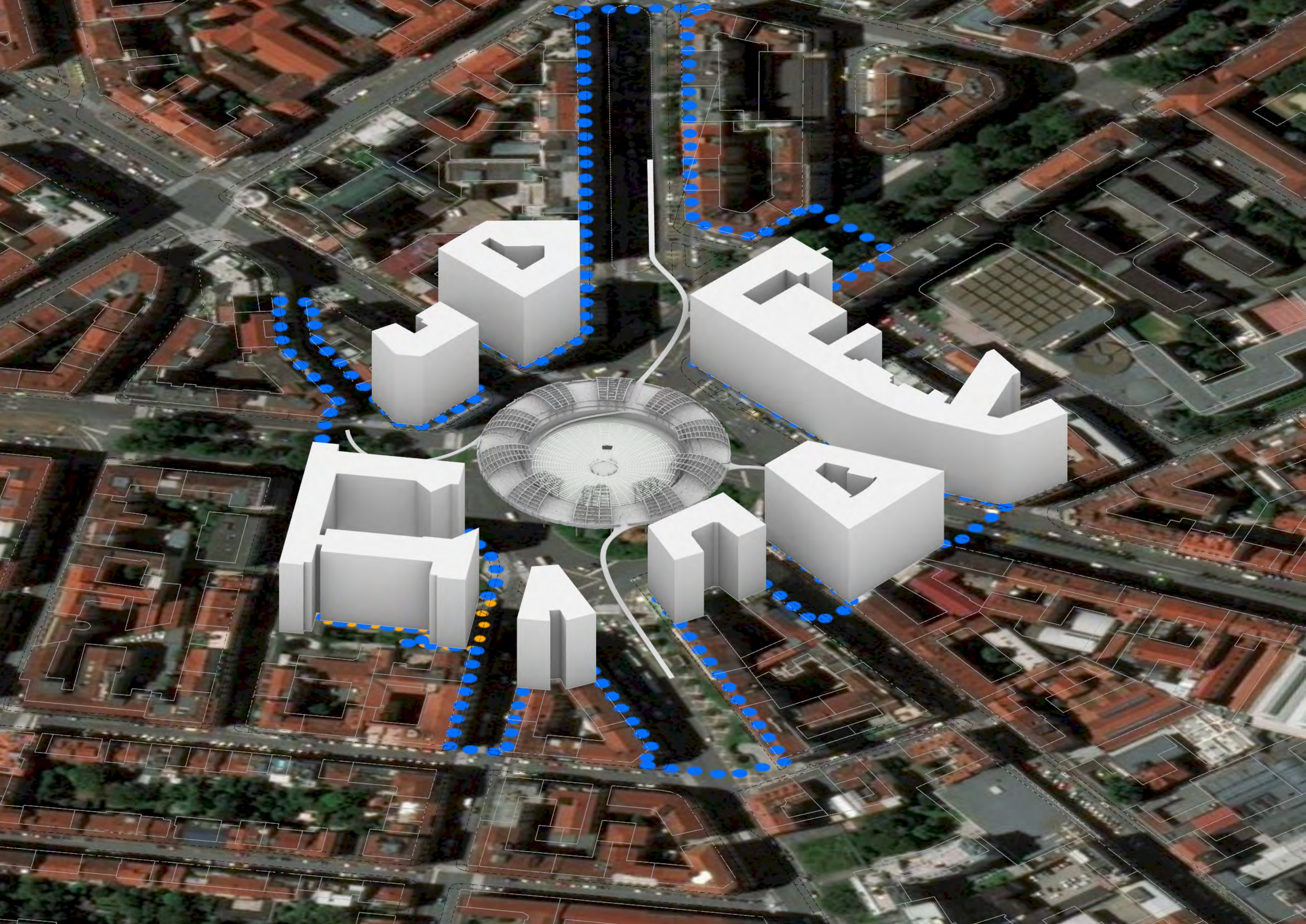
2nd Floor



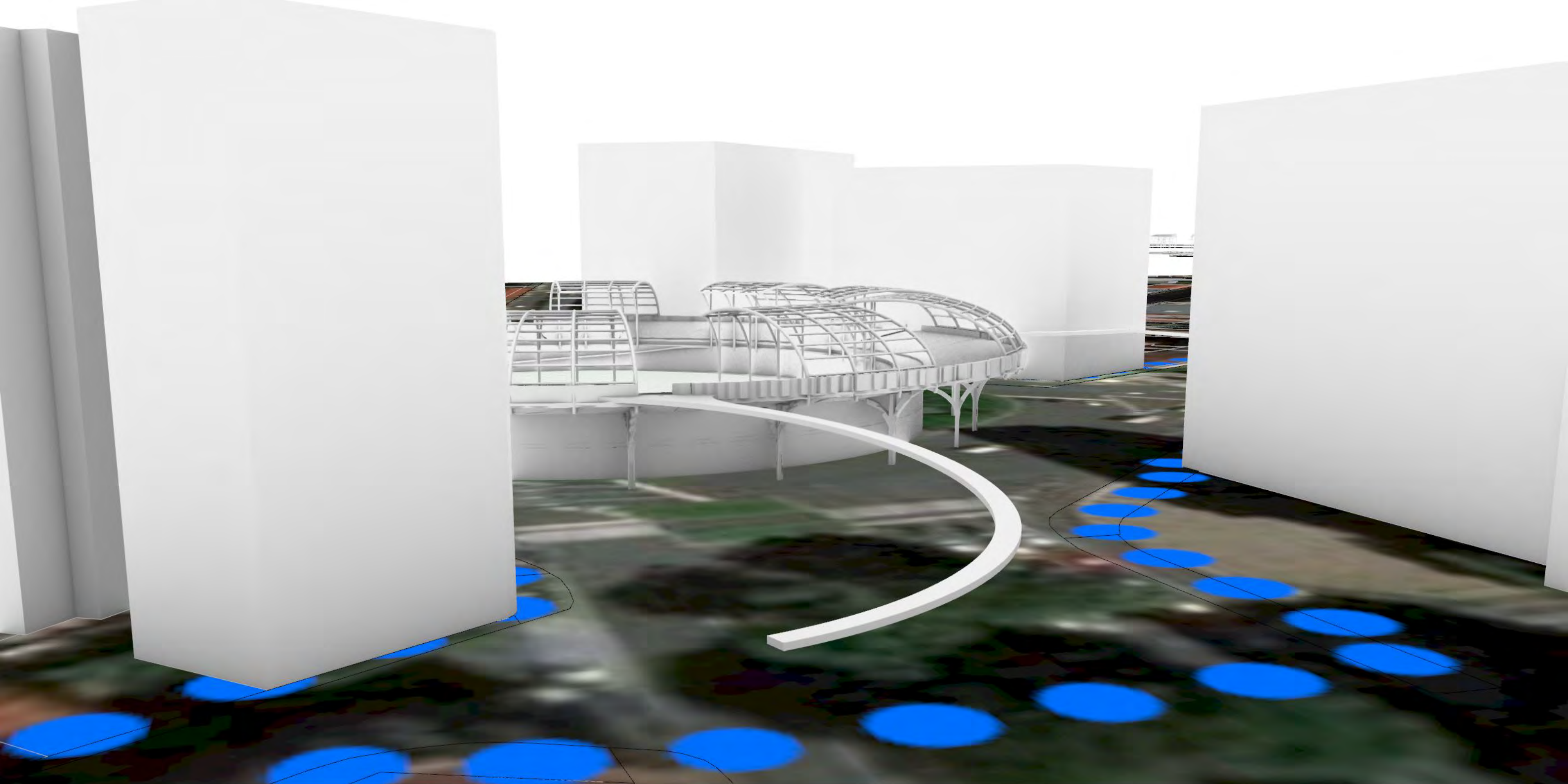
Roof Floor

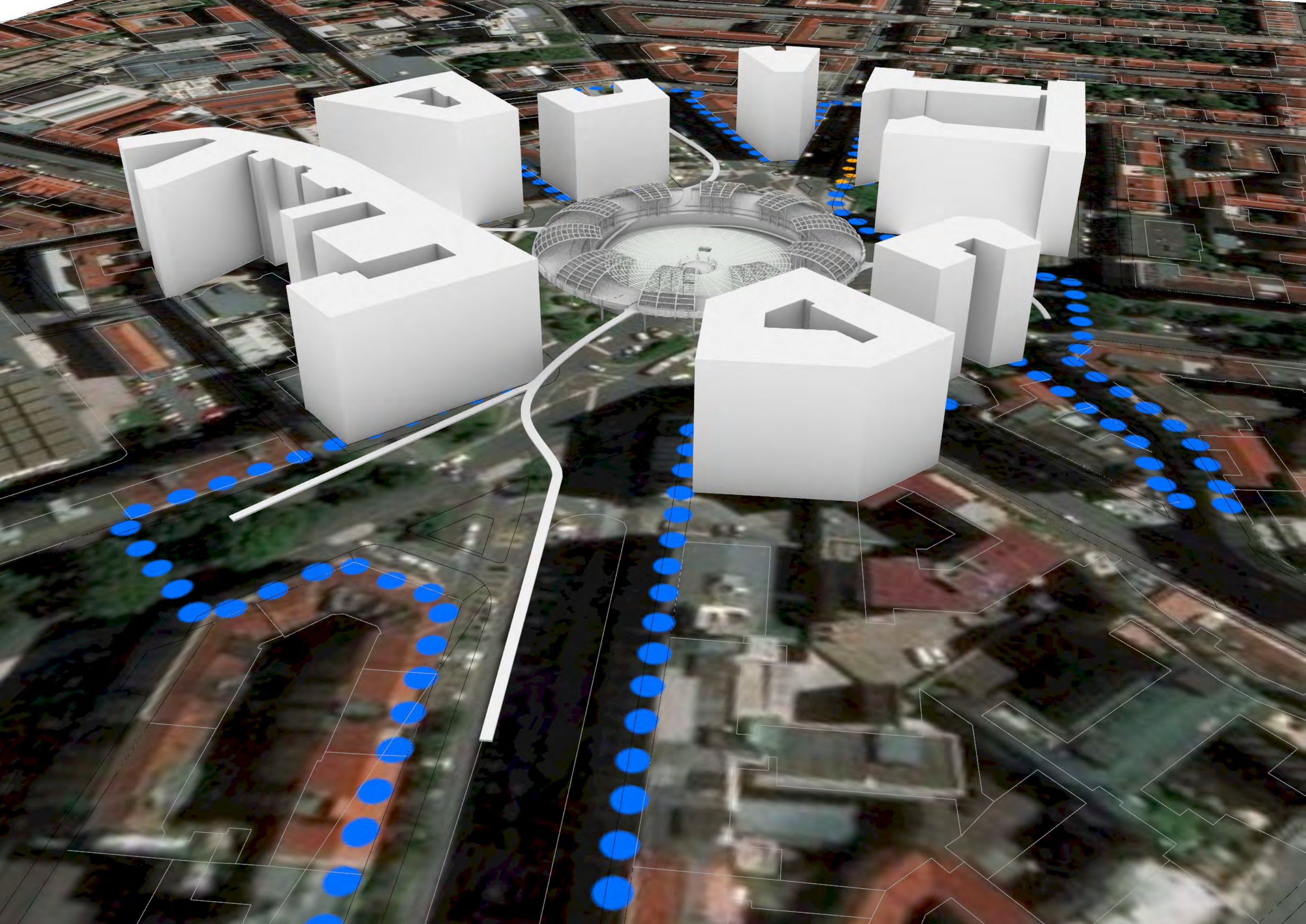








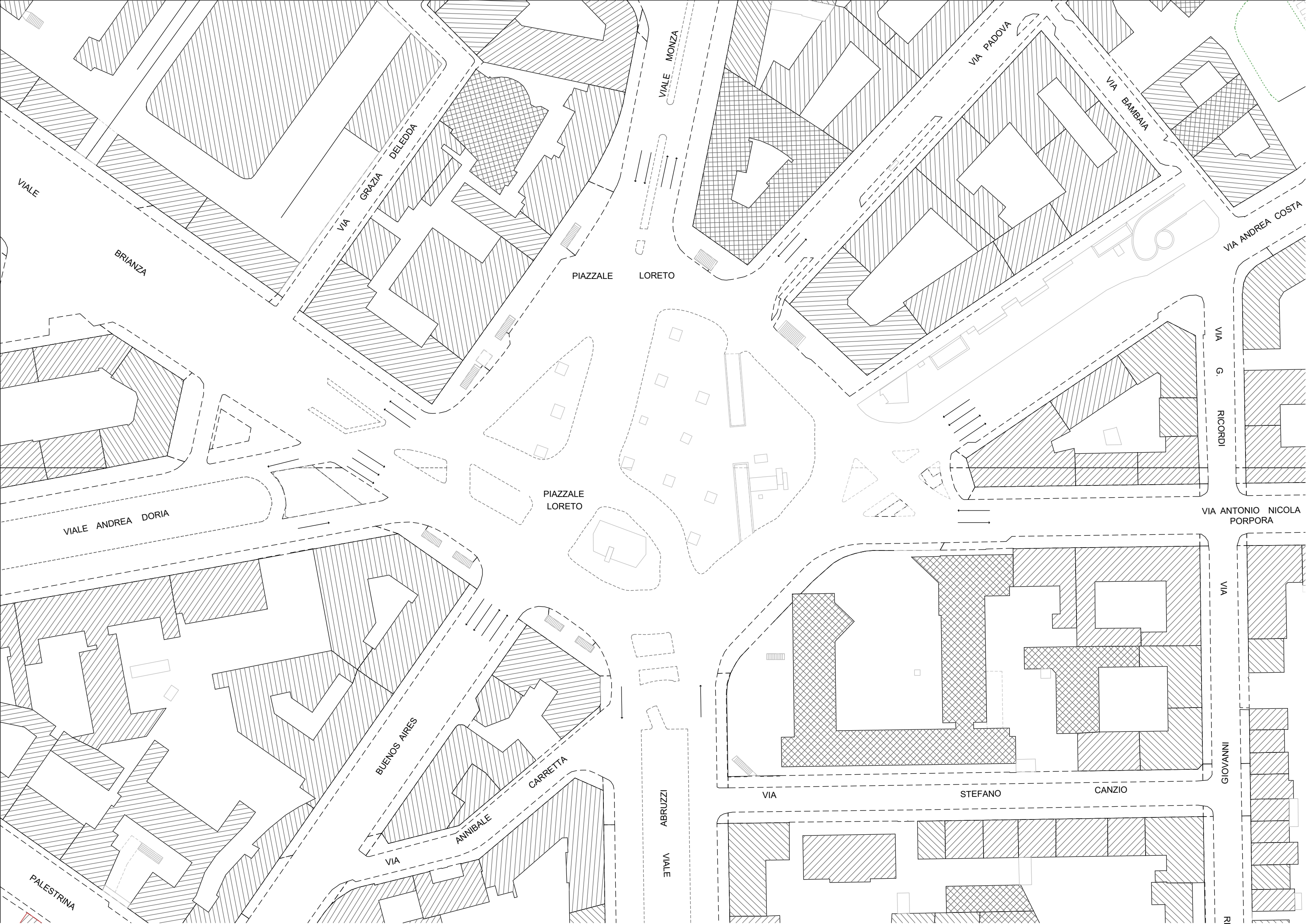




8



PIAZZALE LORETO



VIALE

BRIANZA

VIALE ANDREA DORIA

PALESTRINA

VIA GRAZIA DELEDDA

BUENOS AIRES

VIA

ANNIBALE

CARRETTA

PIAZZALE

LORETO

PIAZZALE
LORETO

VIALE MONZA

IZZURZY
VIALE

VIA PADOVA

VIA BAMBAIA

VIA ANDREA COSTA

VIA G.
RICORDI

VIA ANTONIO NICOLA
PORPORA

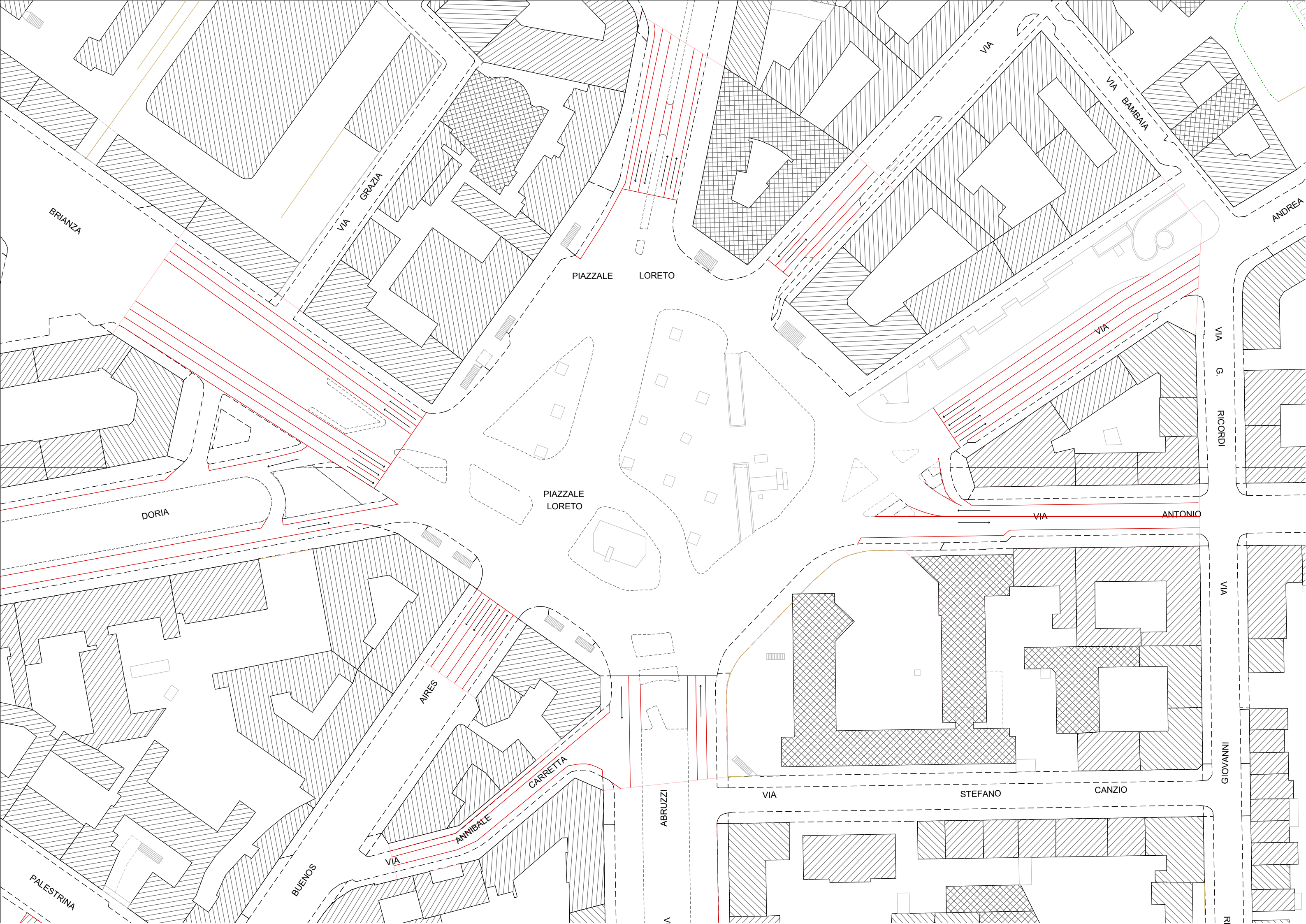
VIA

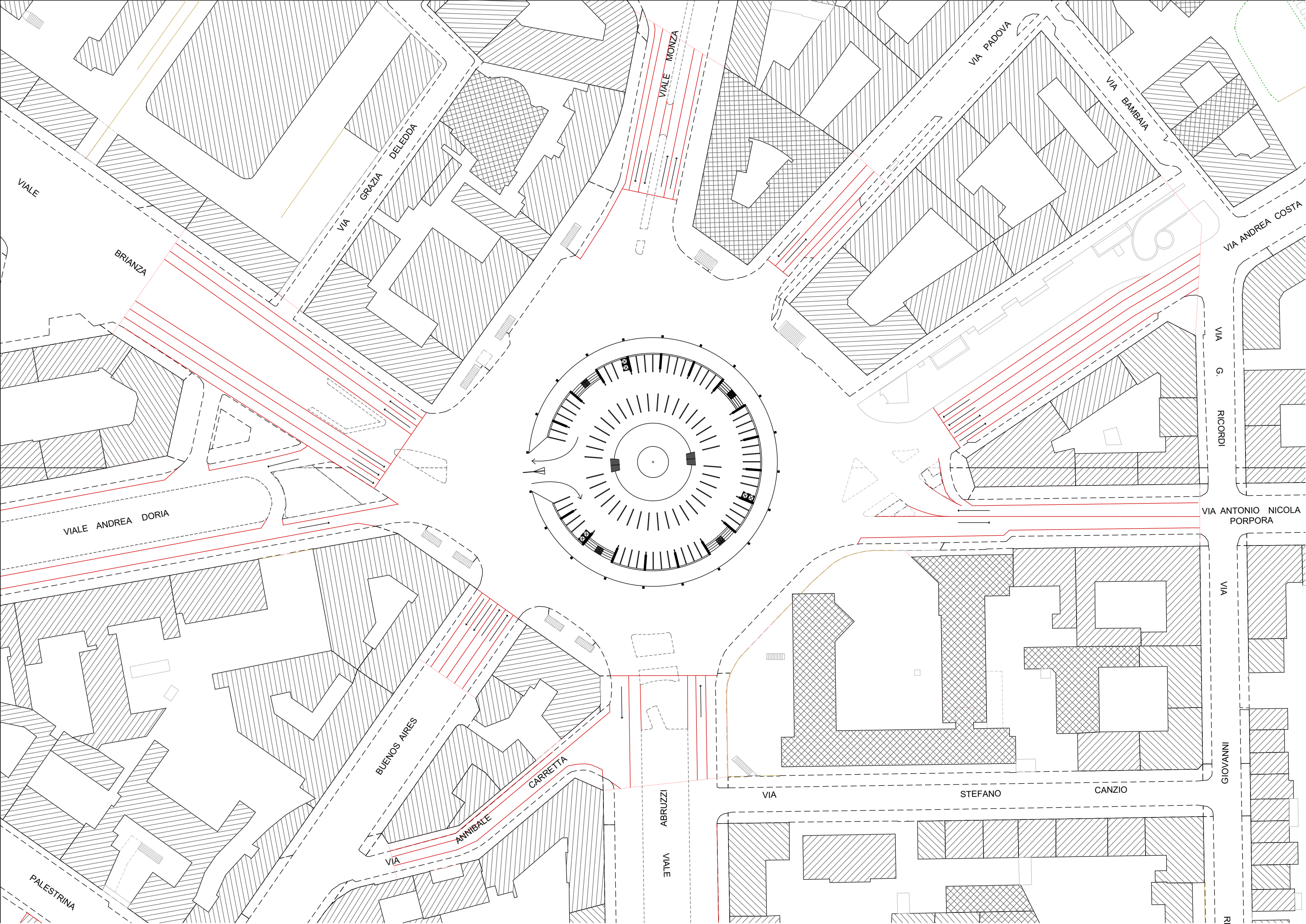
INNAOIG

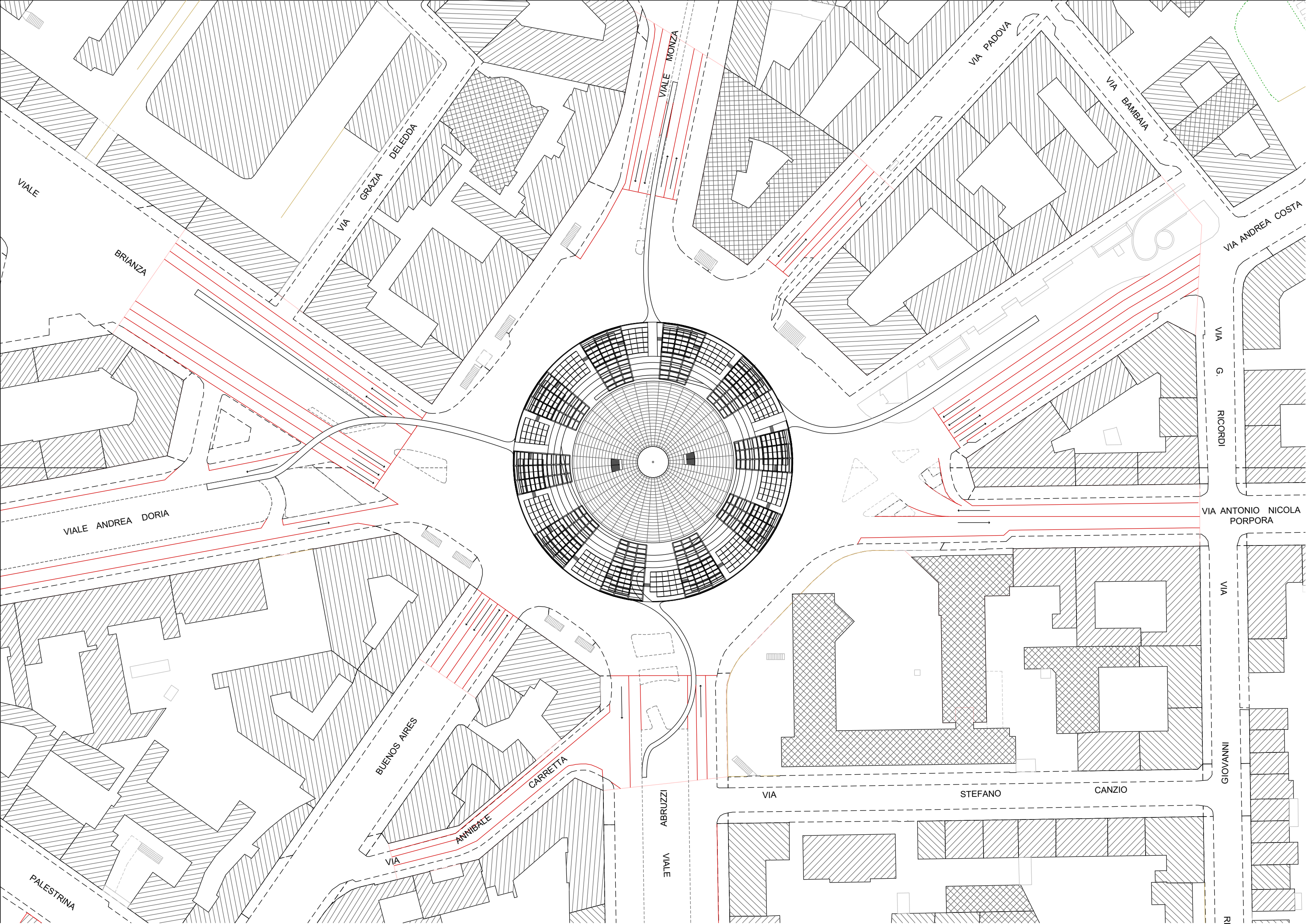
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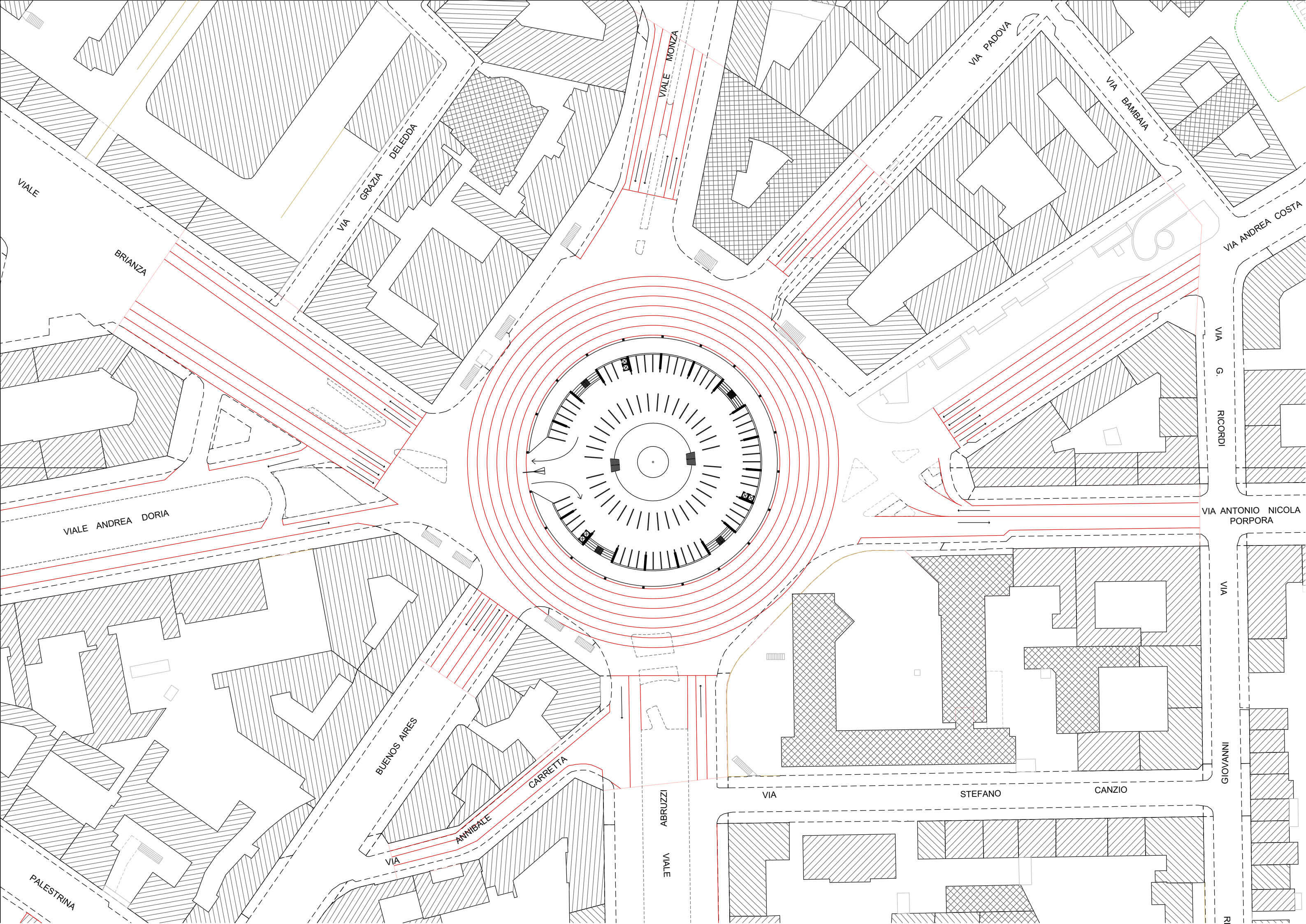
STEFANO

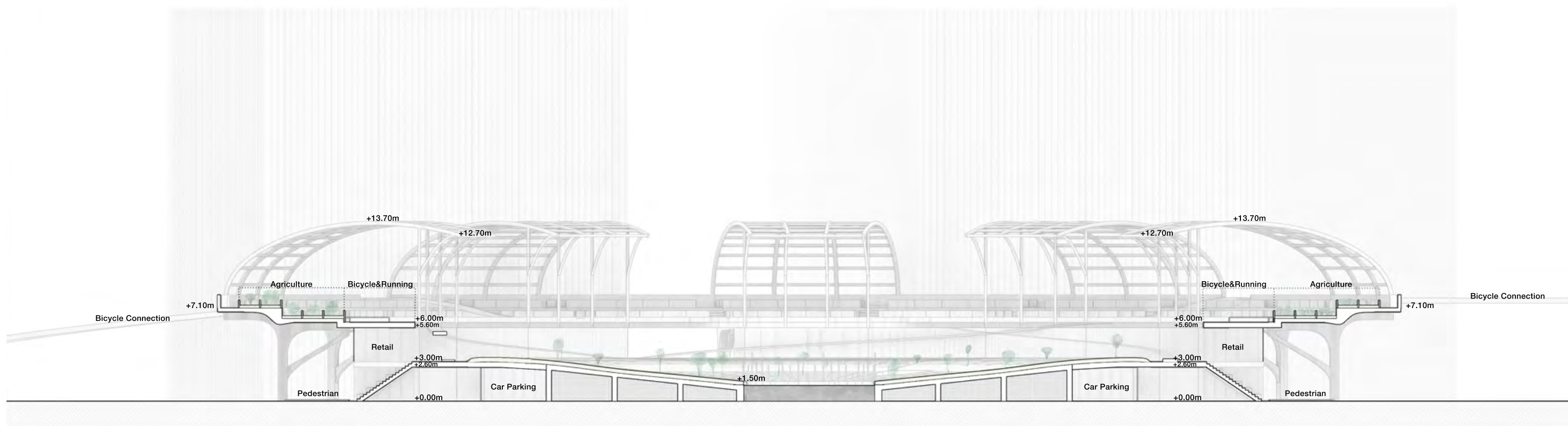
CANZIO

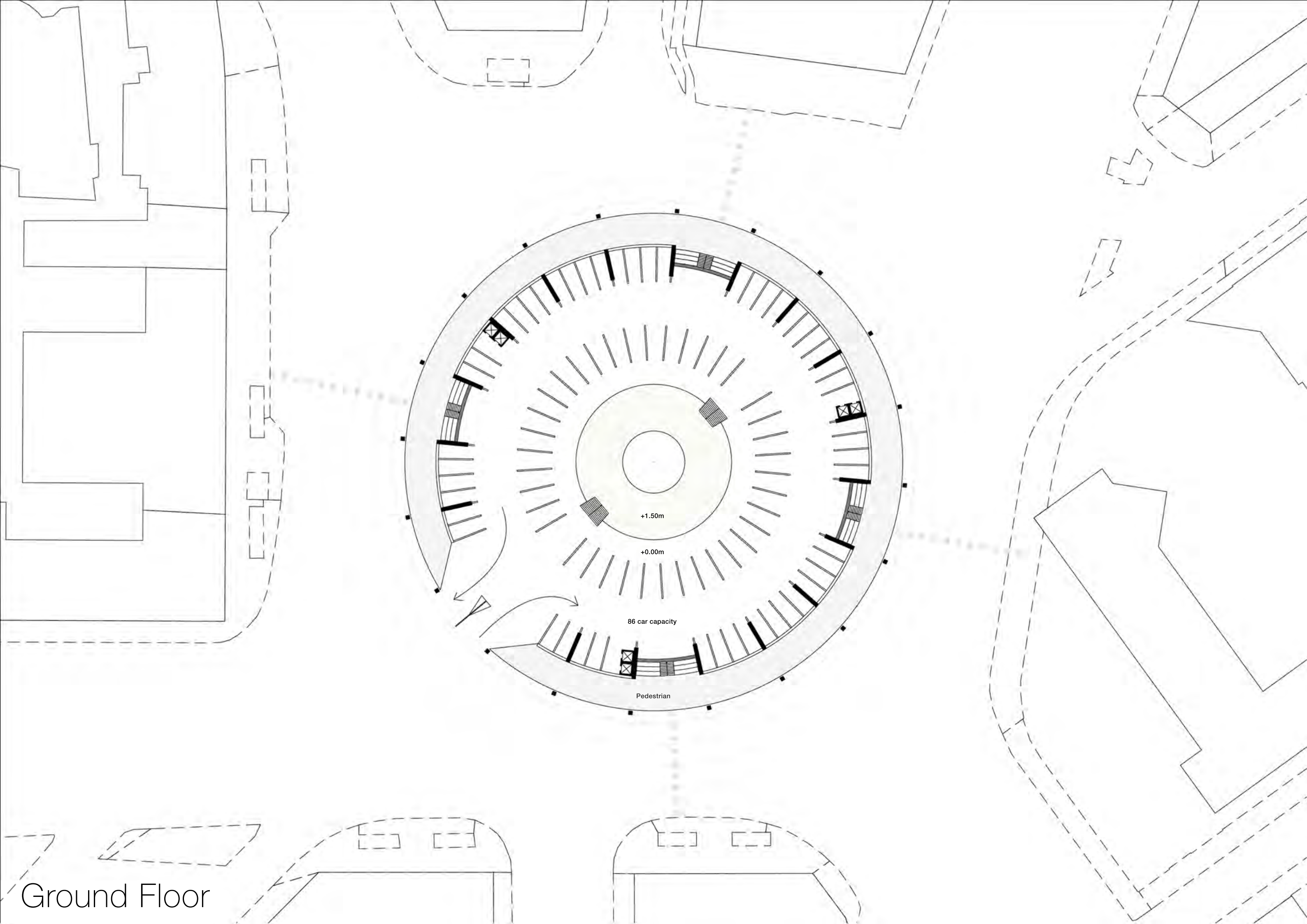






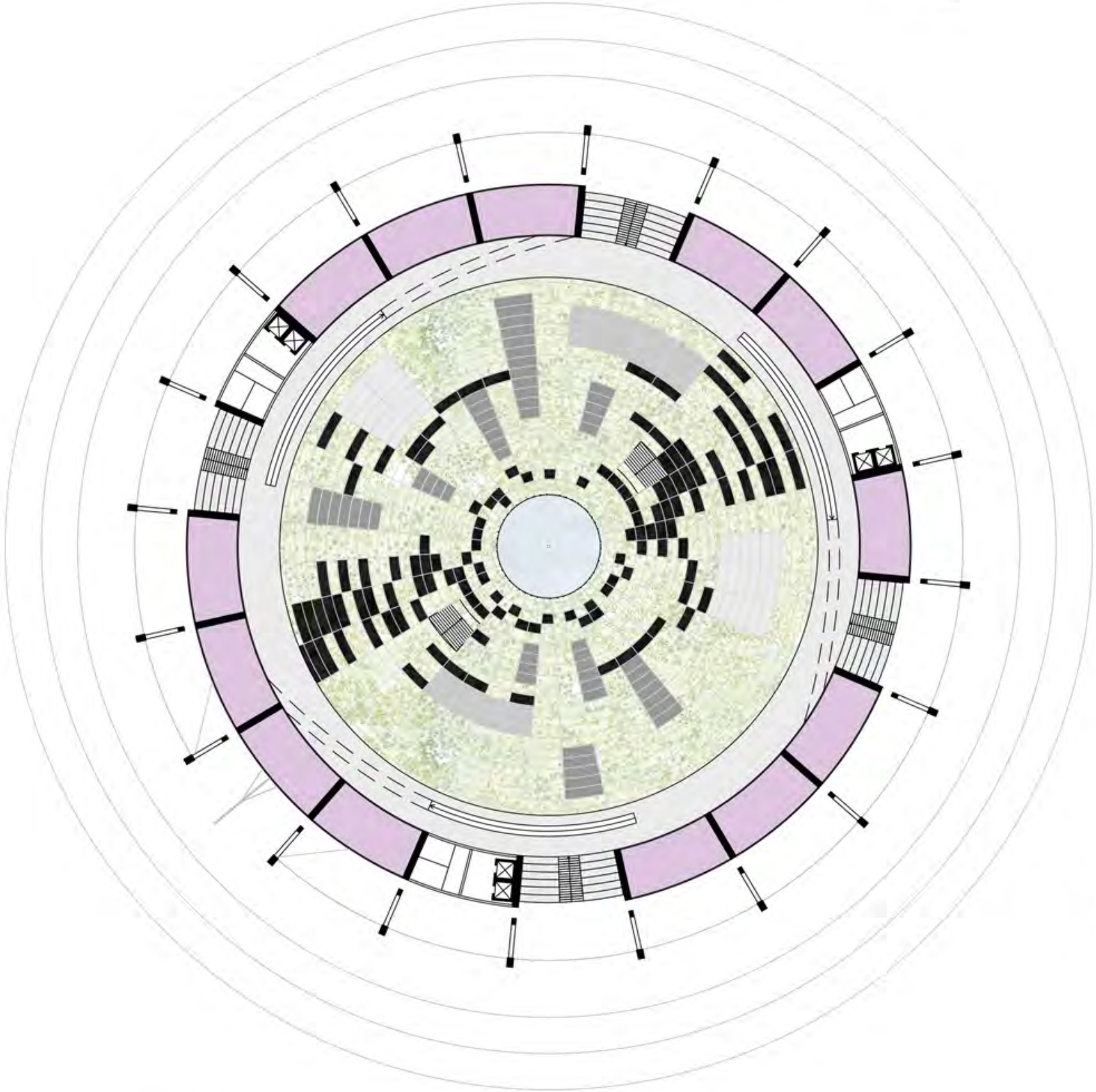






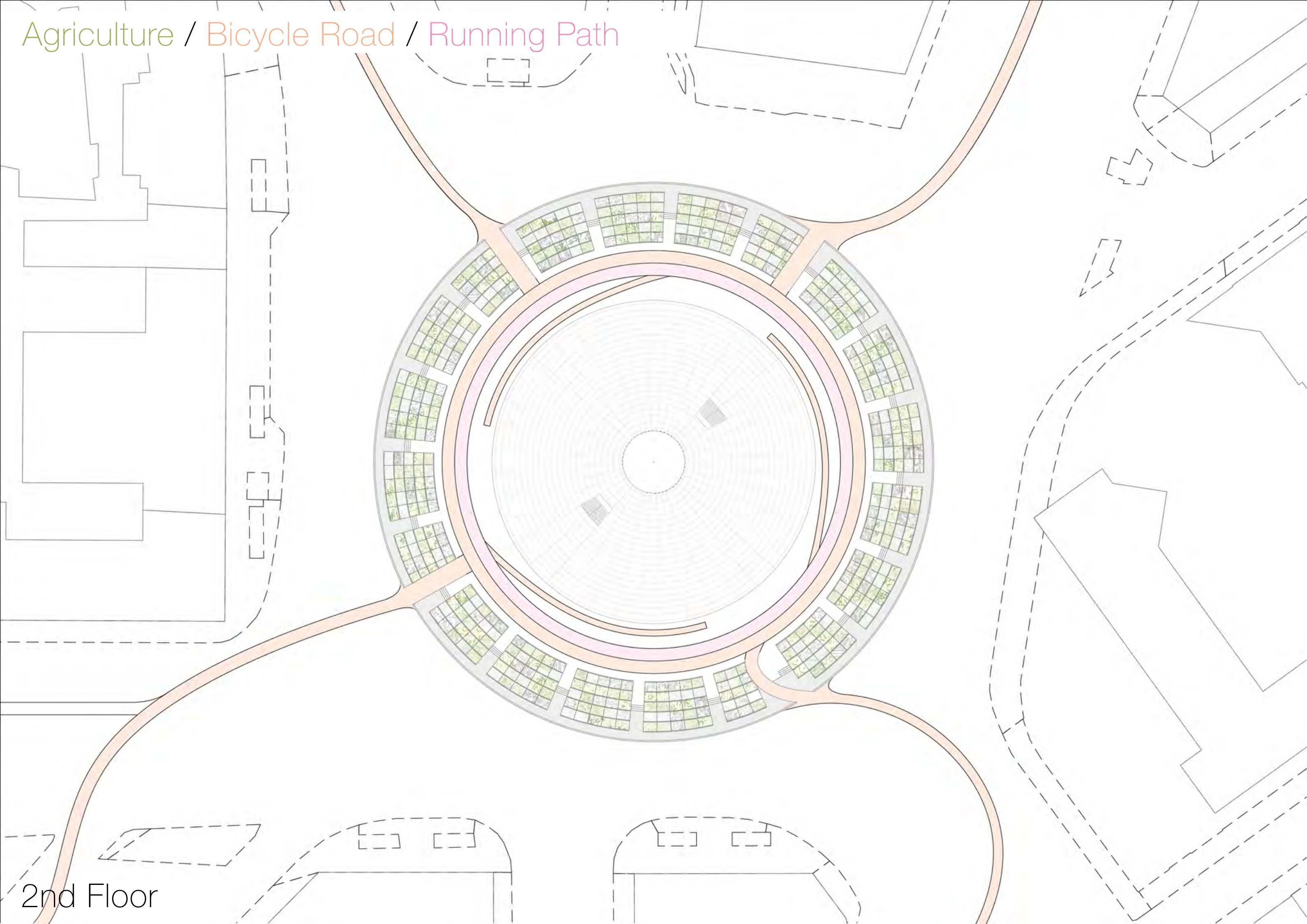
Ground Floor

Retail / Green / Trees / Hard Floor / Soft Floor

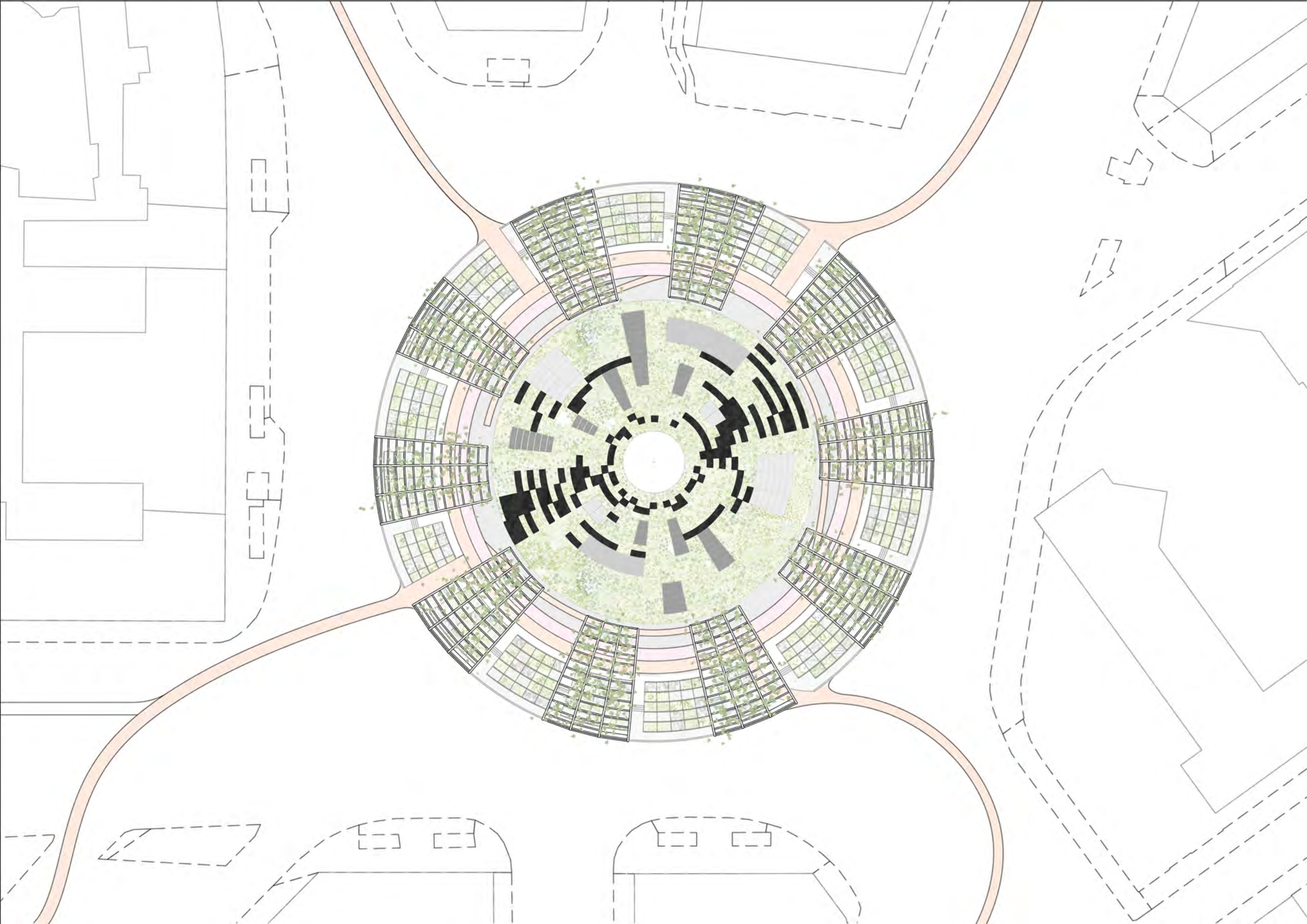


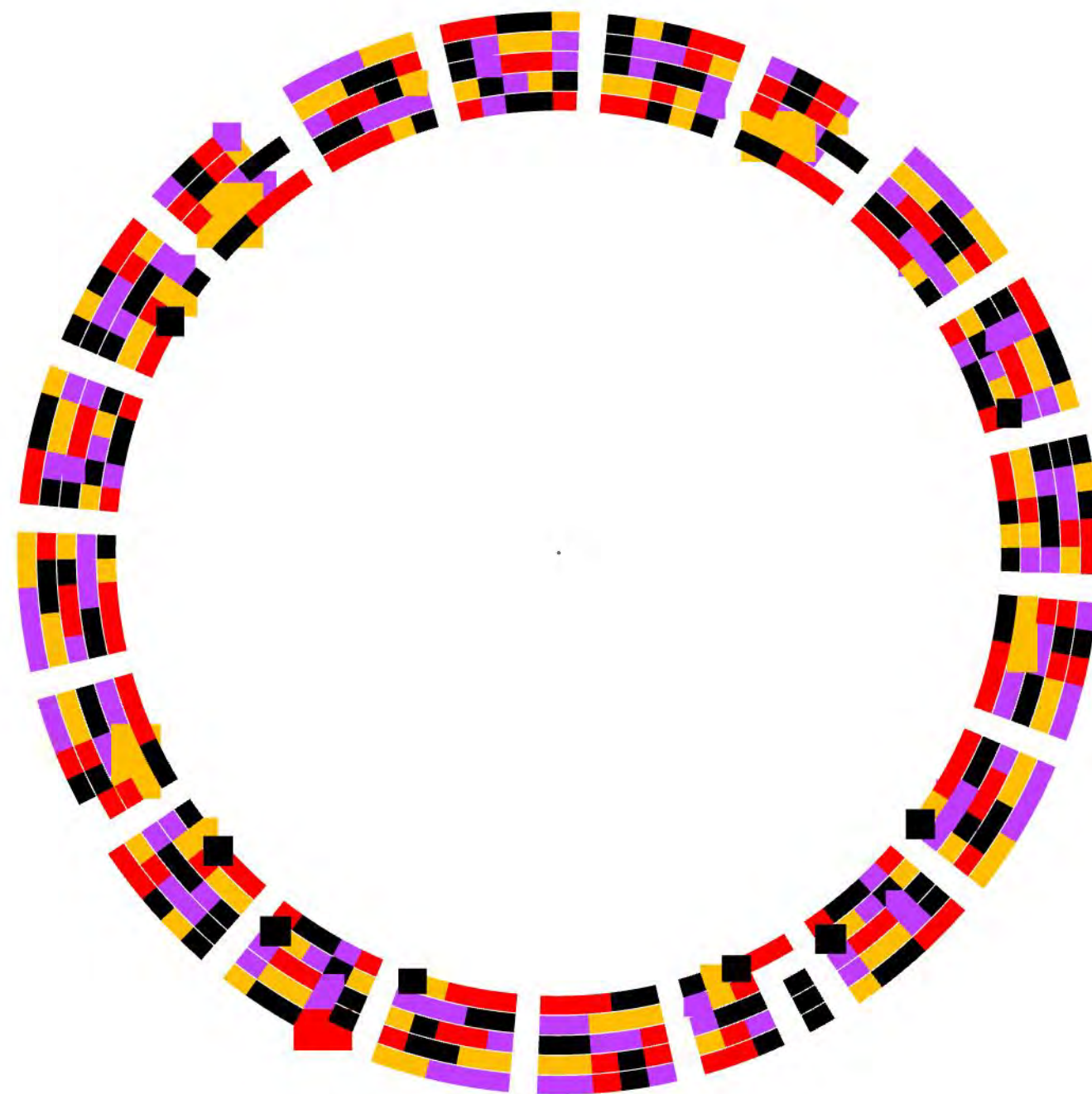
1st Floor

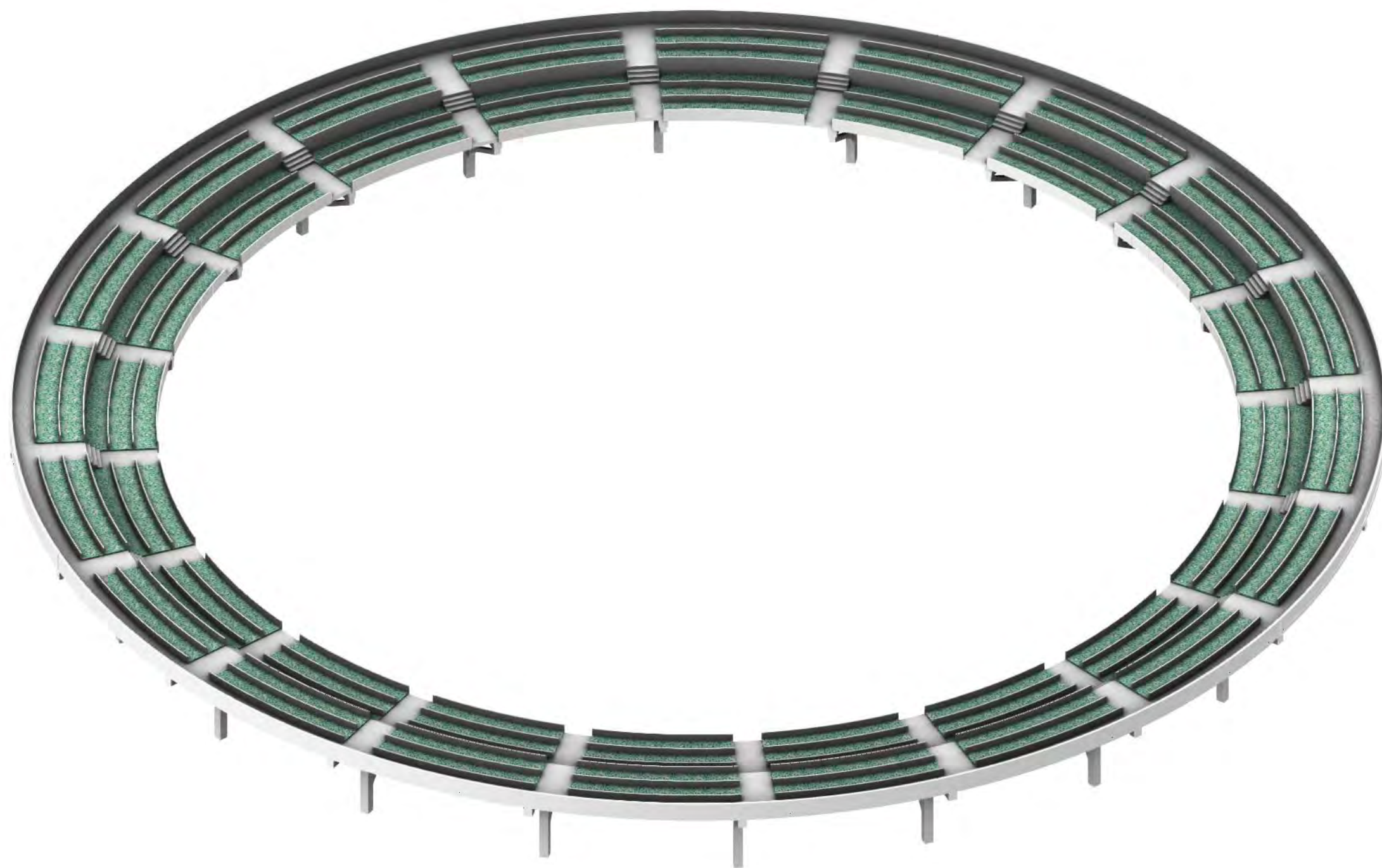
Agriculture / Bicycle Road / Running Path

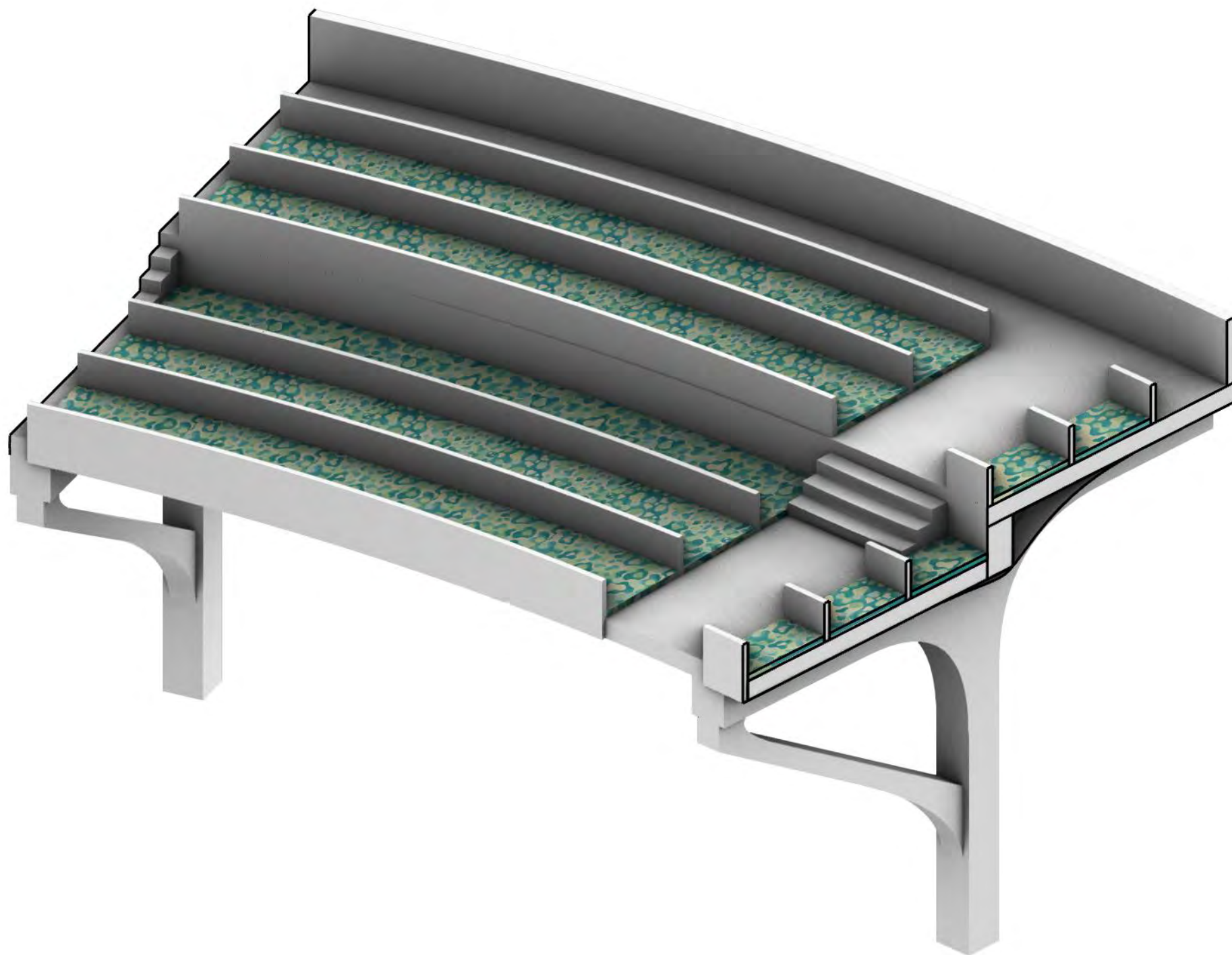


2nd Floor

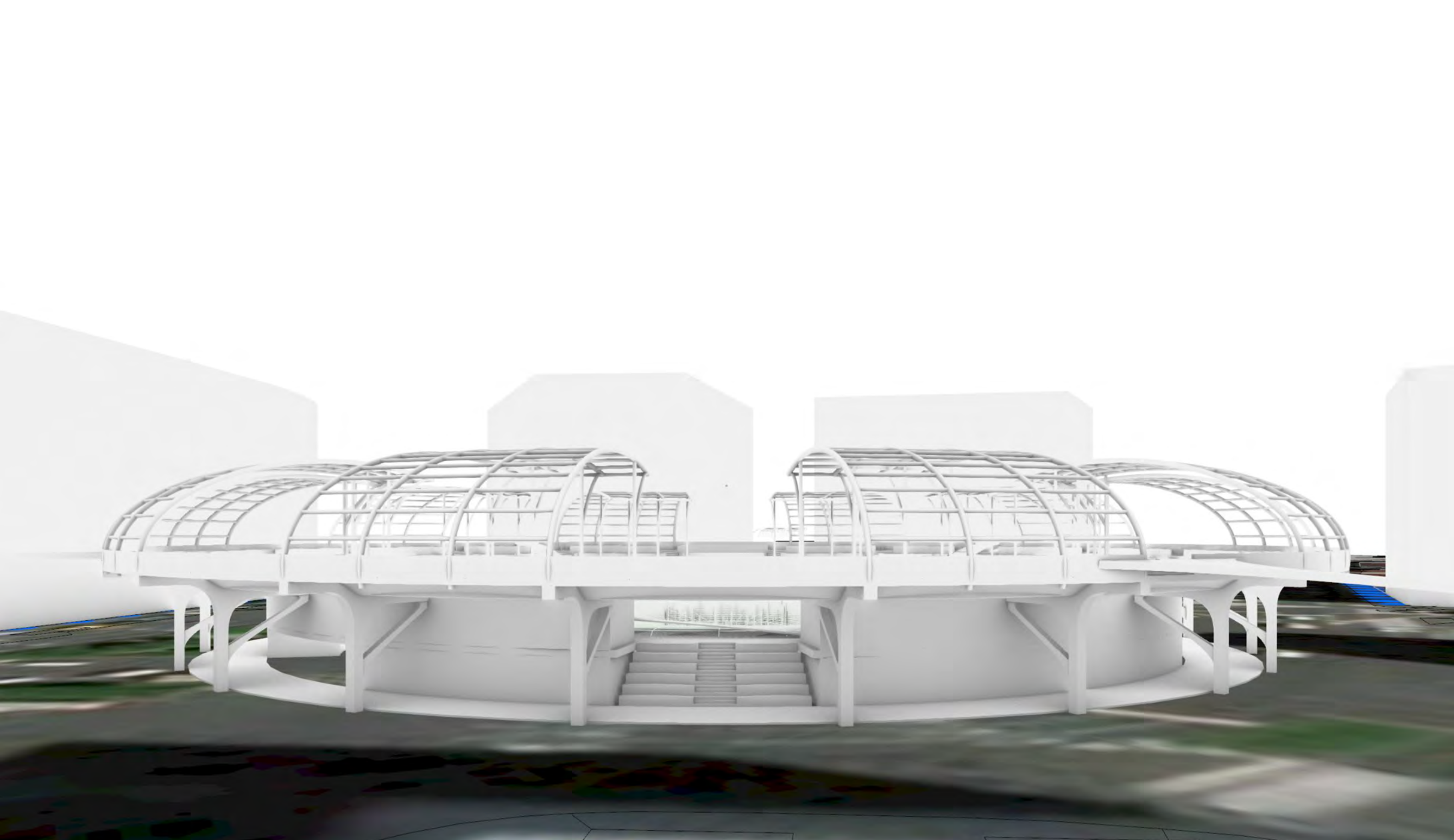


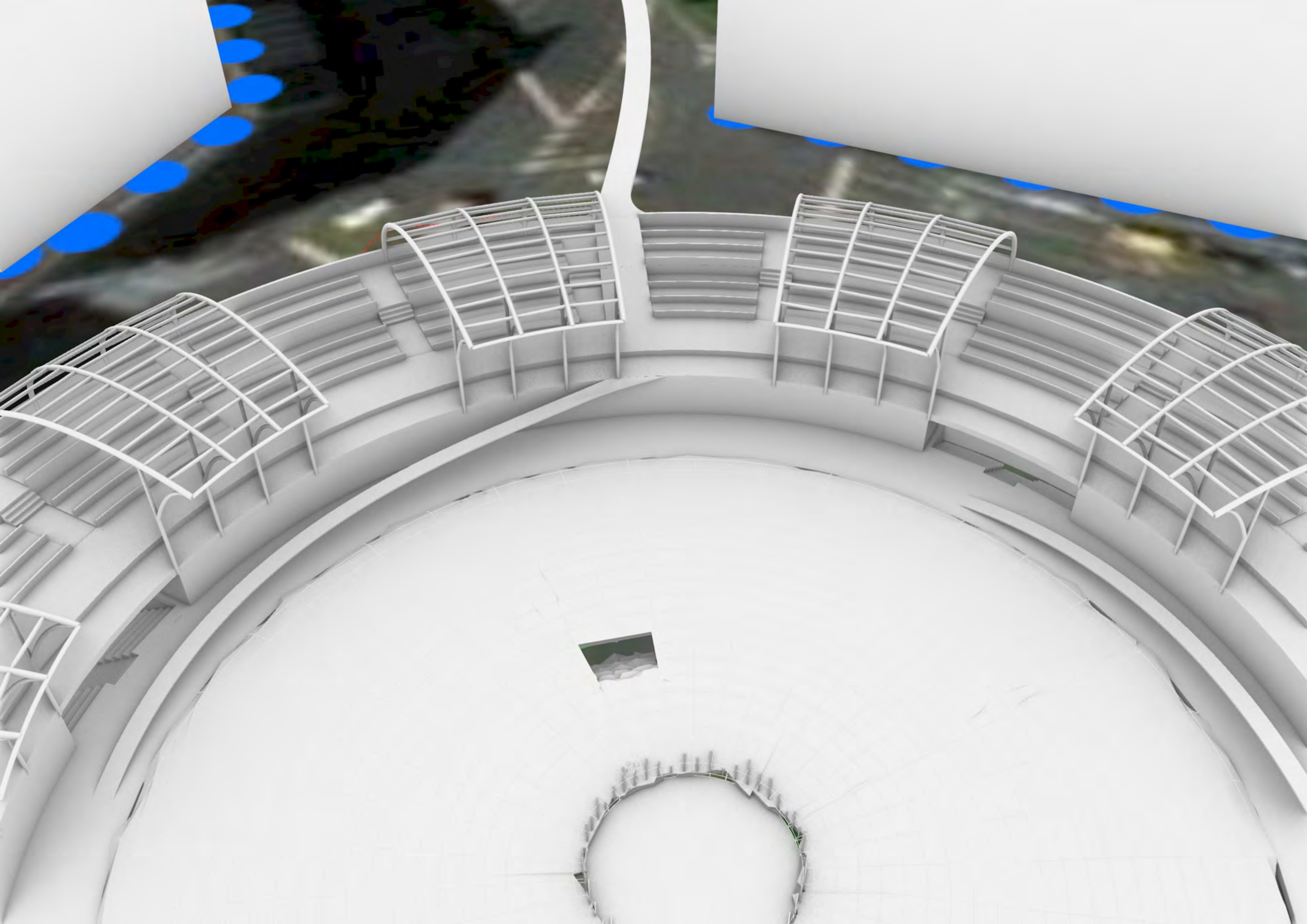


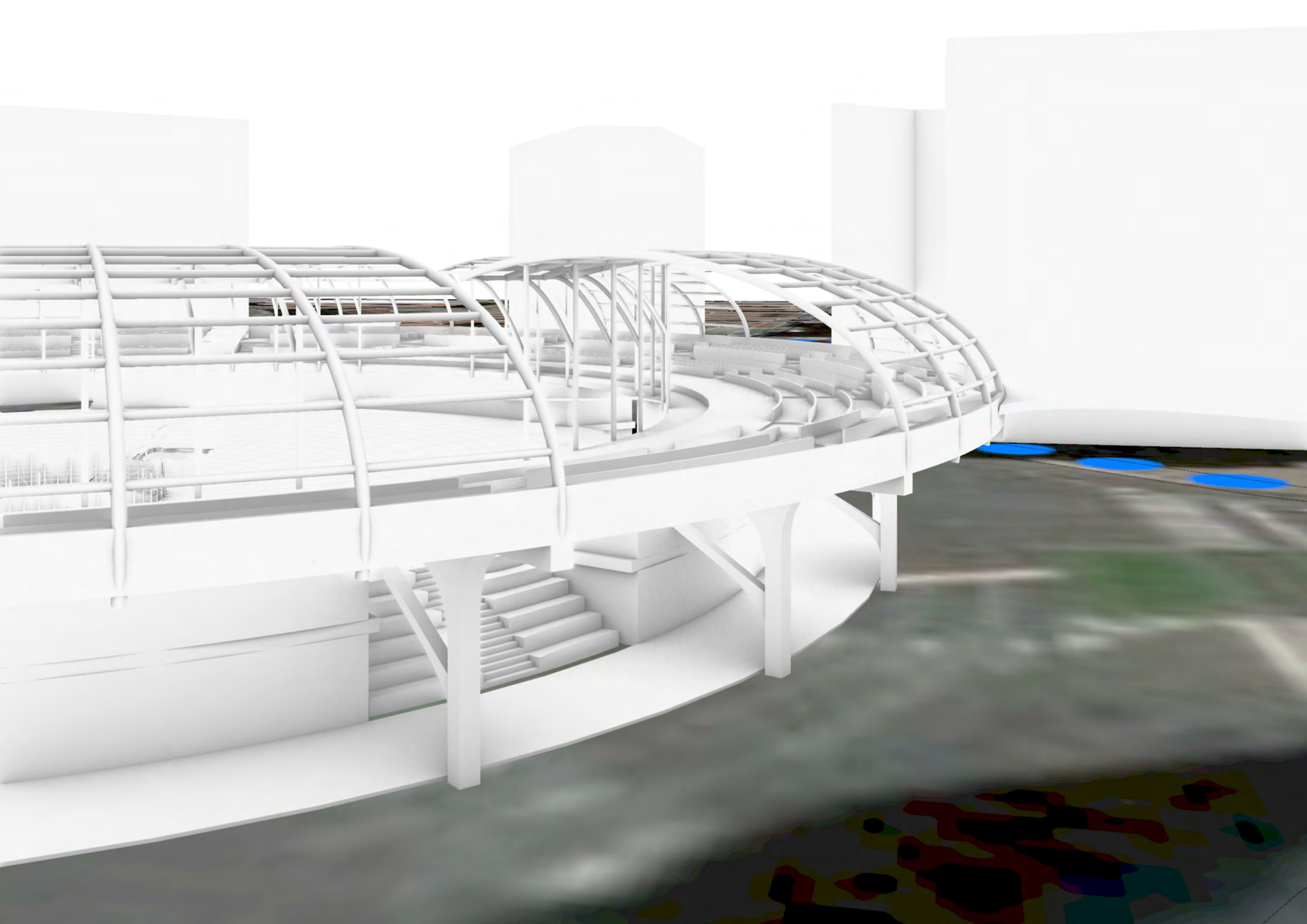


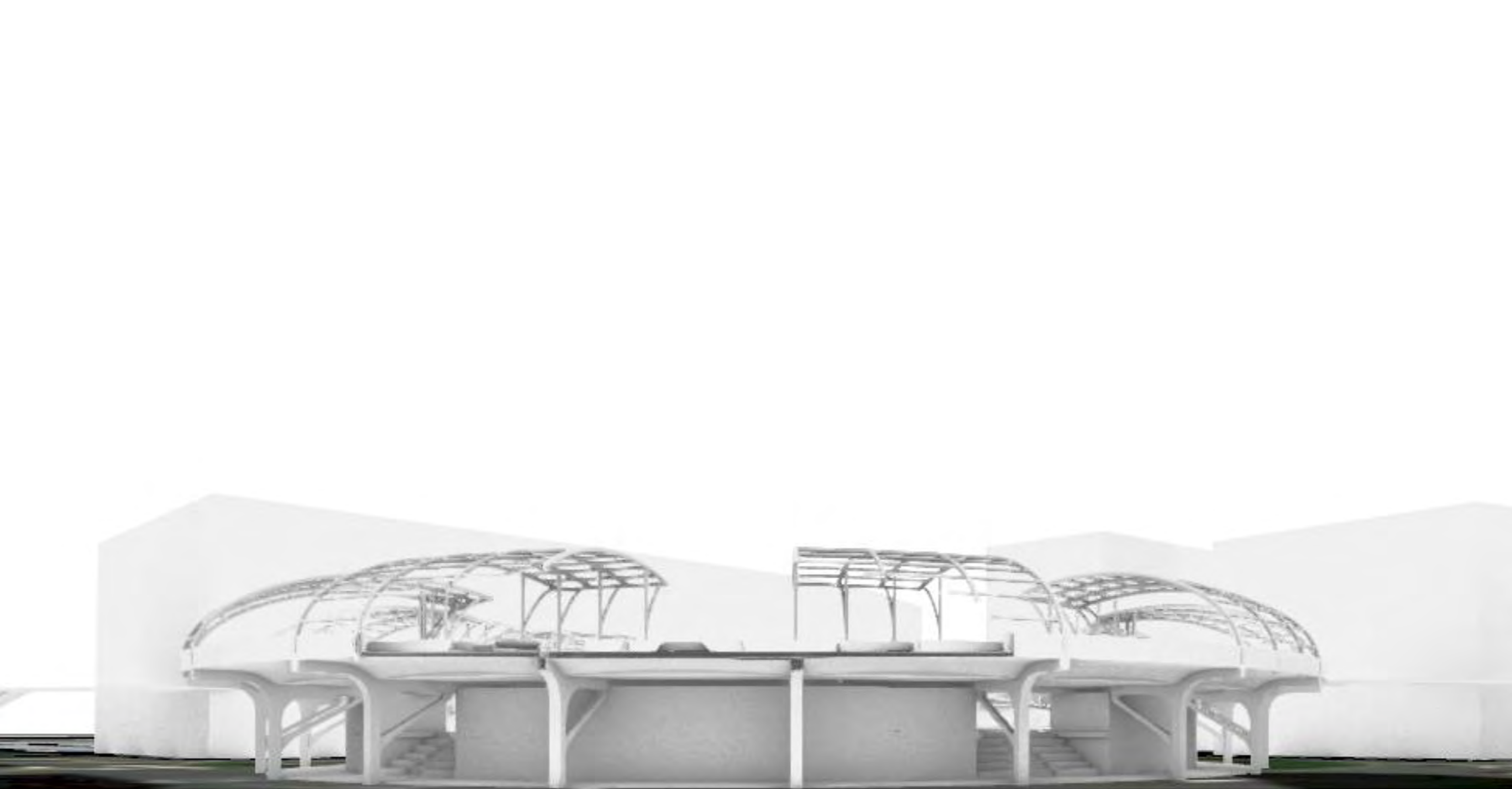


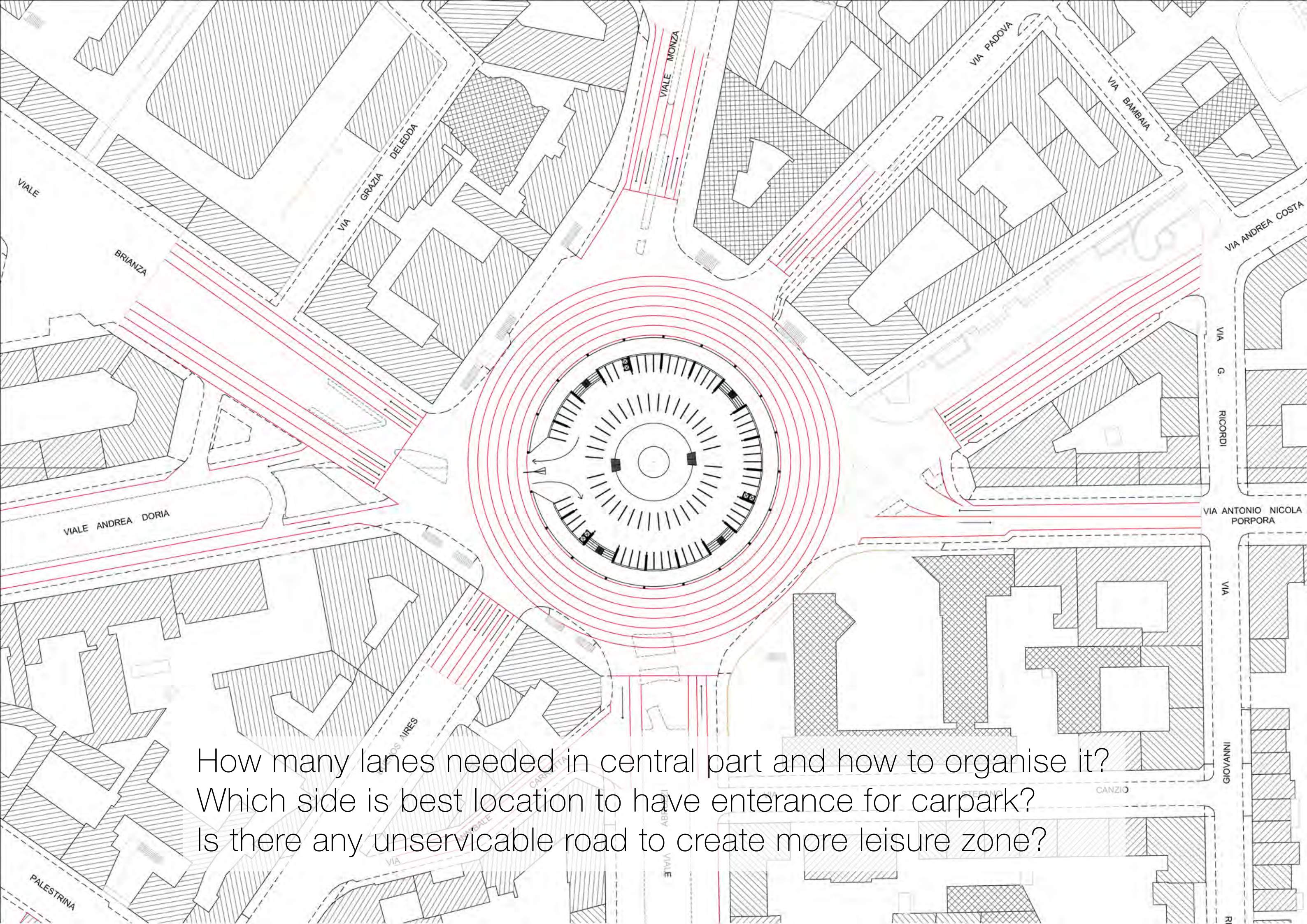












How many lanes needed in central part and how to organise it?
Which side is best location to have entrance for carpark?
Is there any unservicable road to create more leisure zone?

9

case studies

SUSTAINABLE ENERGY

SOLAR ENERGY

SOLAR TRACKING PHOTOVOLTAIC ARRAY

SOLAR ENERGY USED
TO GENERATE WATER



WATER SUPPLY

SKYWATER ATMOSPHERIC WATER GENERATOR



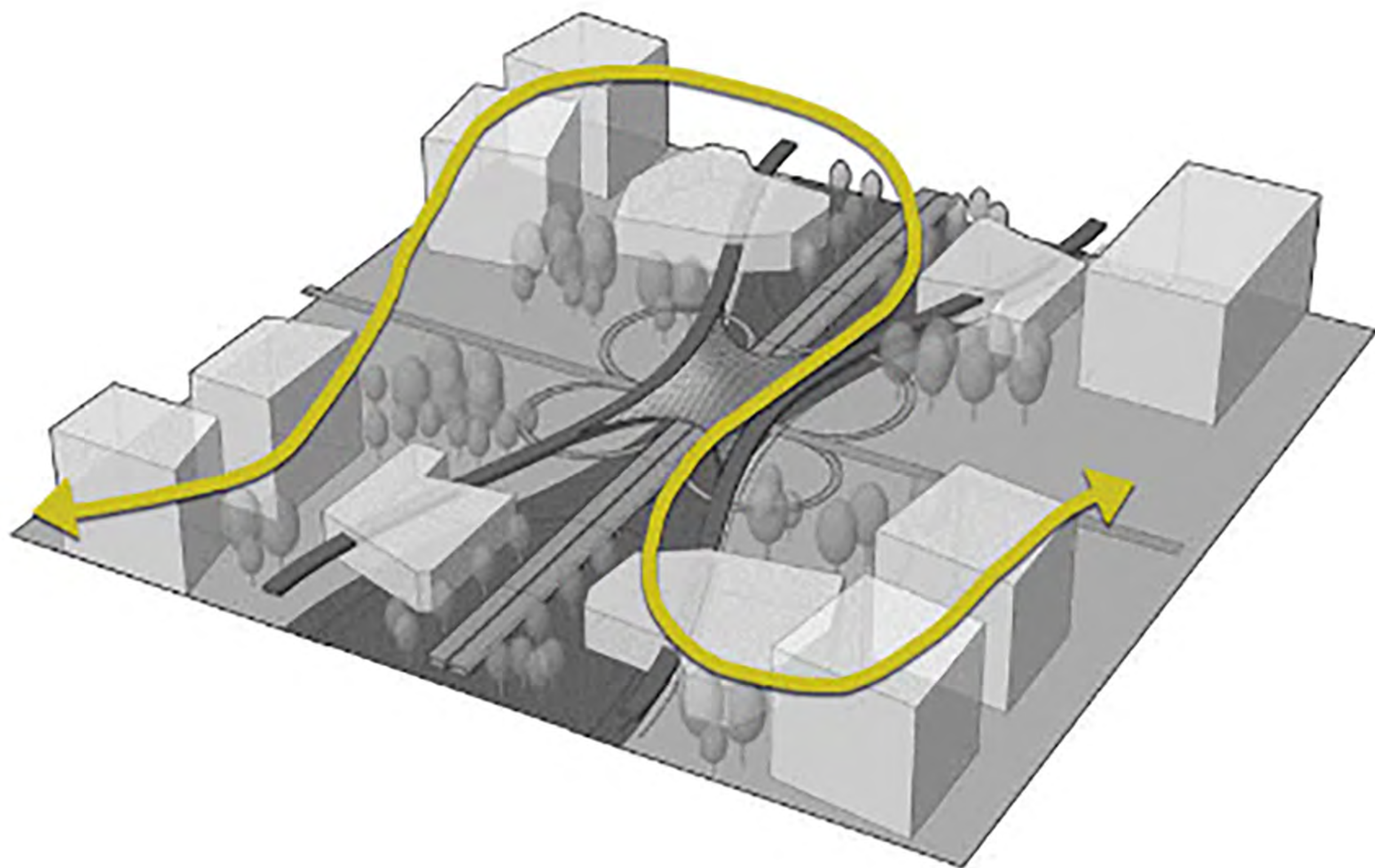
HUMID AIR RECYCLED
BACK TO LIQUID WATER

LOCAL
ROOTS

LOCAL
ROOTS

Multimodal Transit

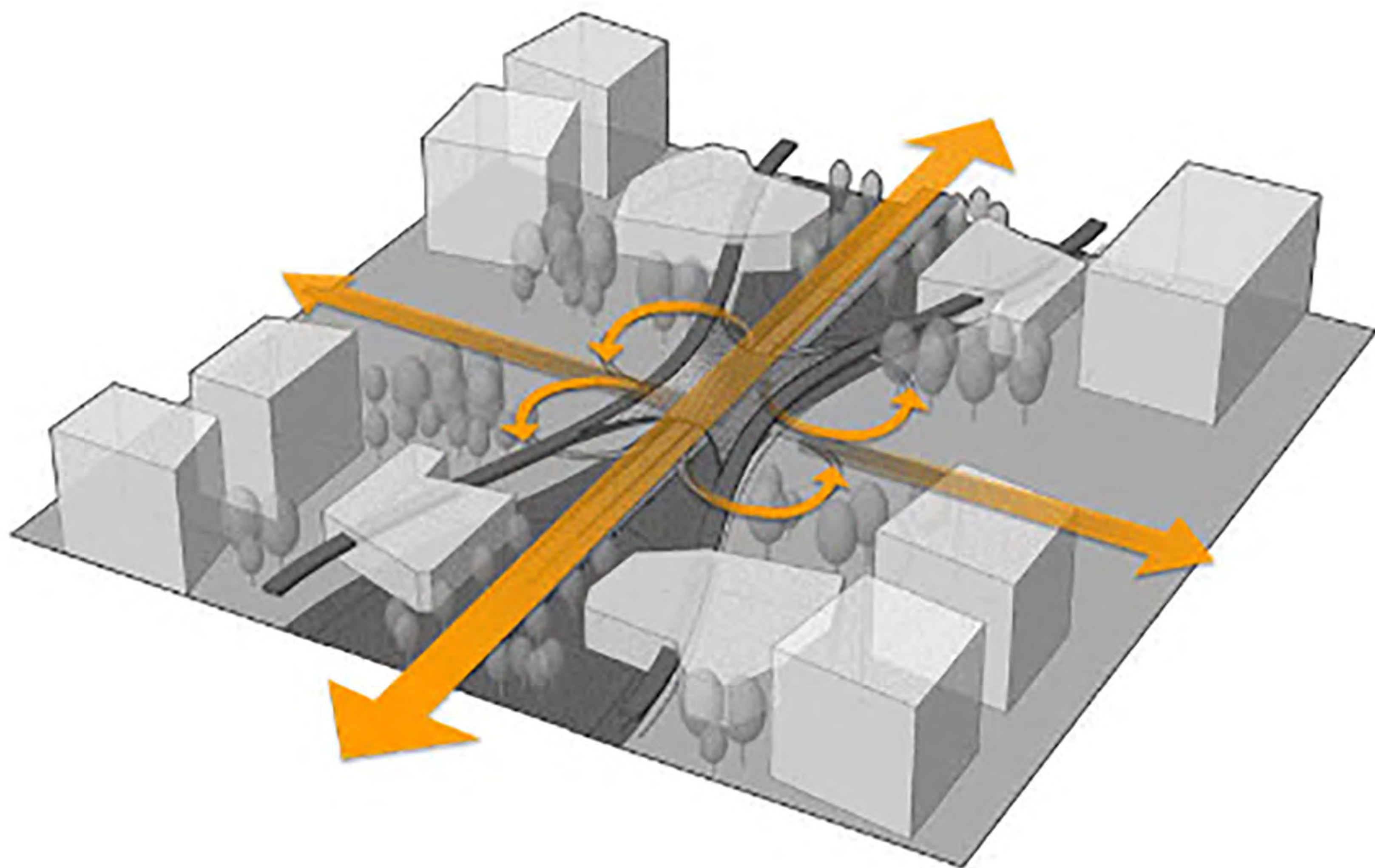
交通模式



无人机
Drone

Multimodal Transit

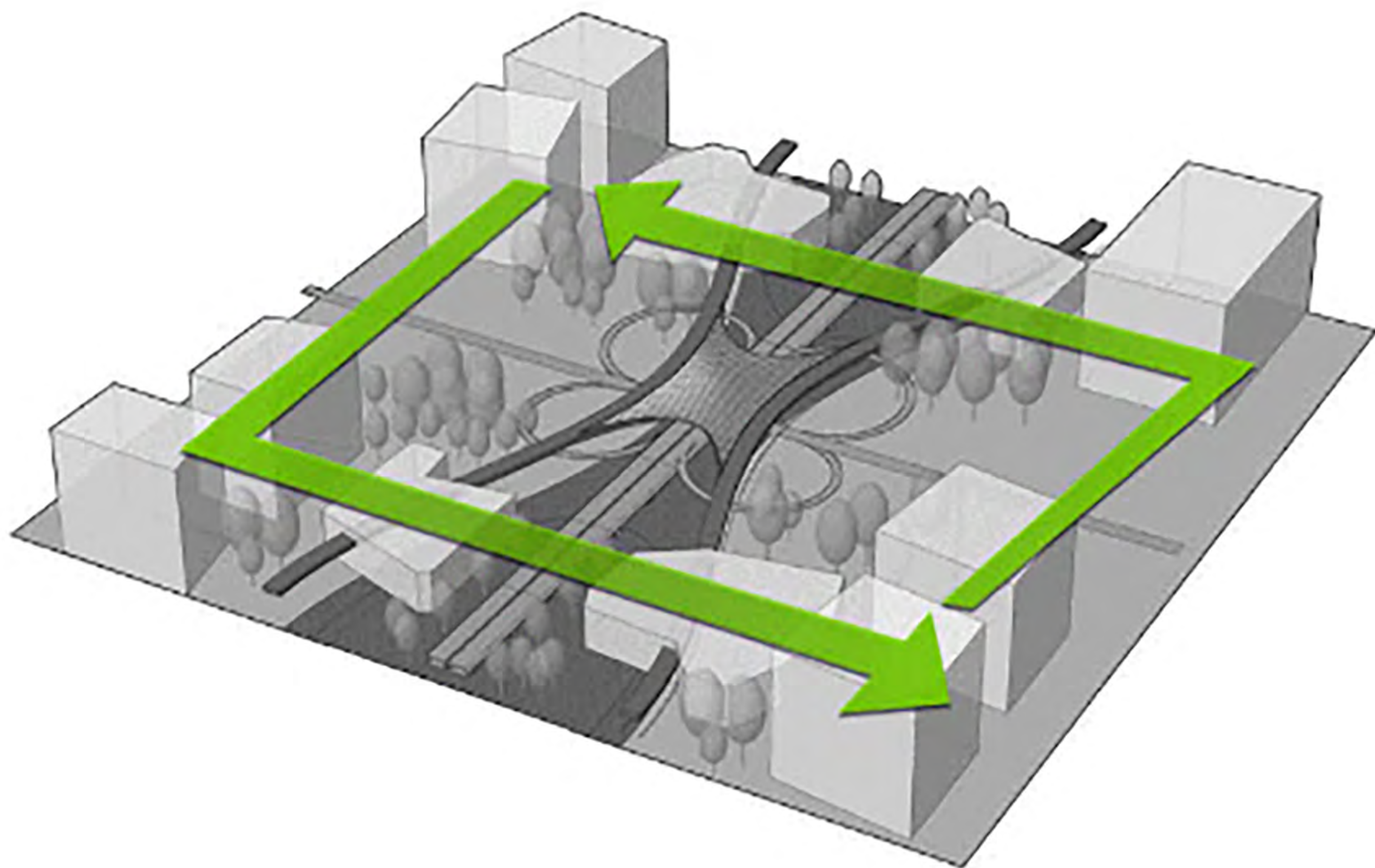
交通模式



汽车
Fast Cars

Multimodal Transit

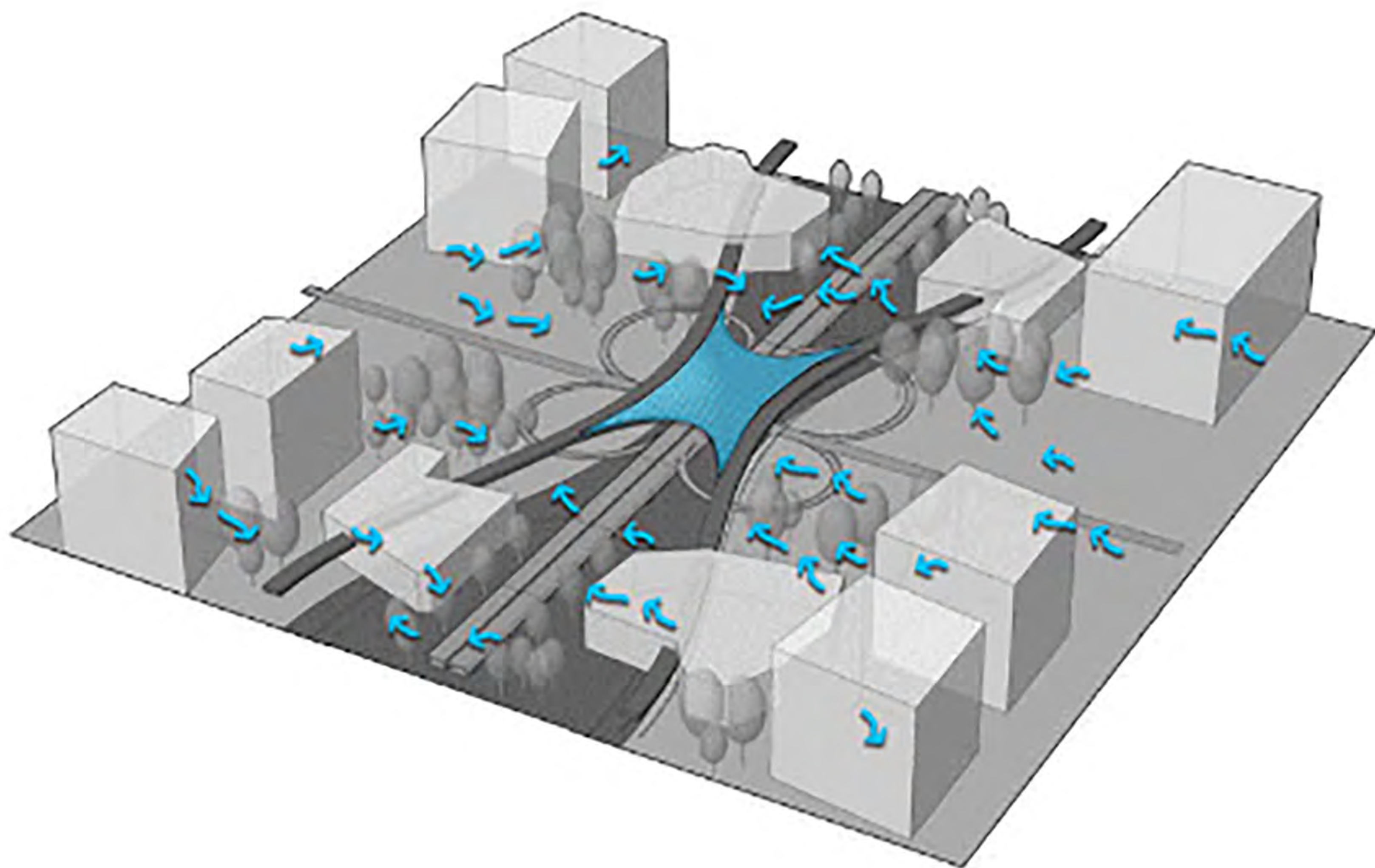
交通模式



小区循环公车
Bus Loop

Multimodal Transit

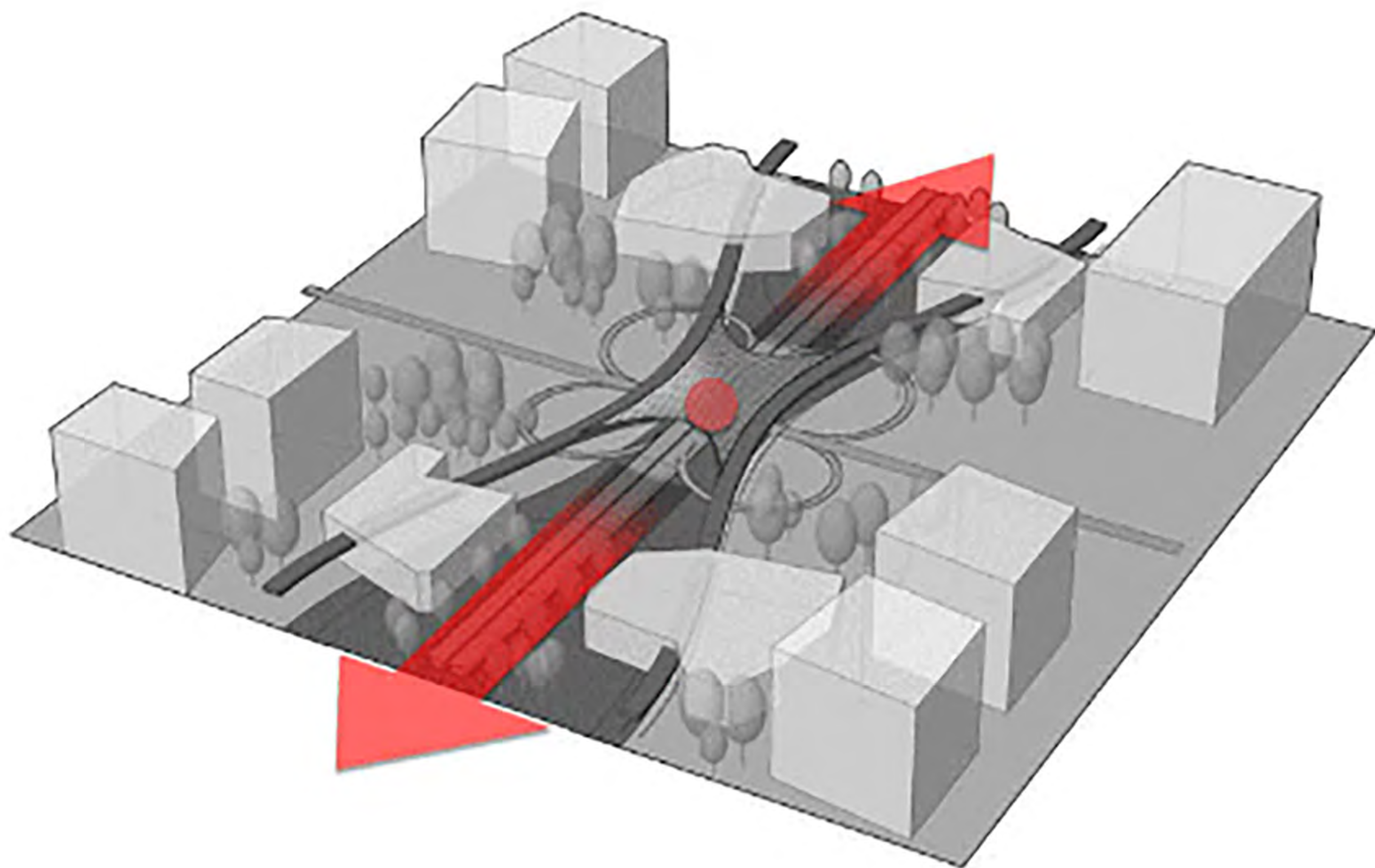
交通模式



自行车
Mobile

Multimodal Transit

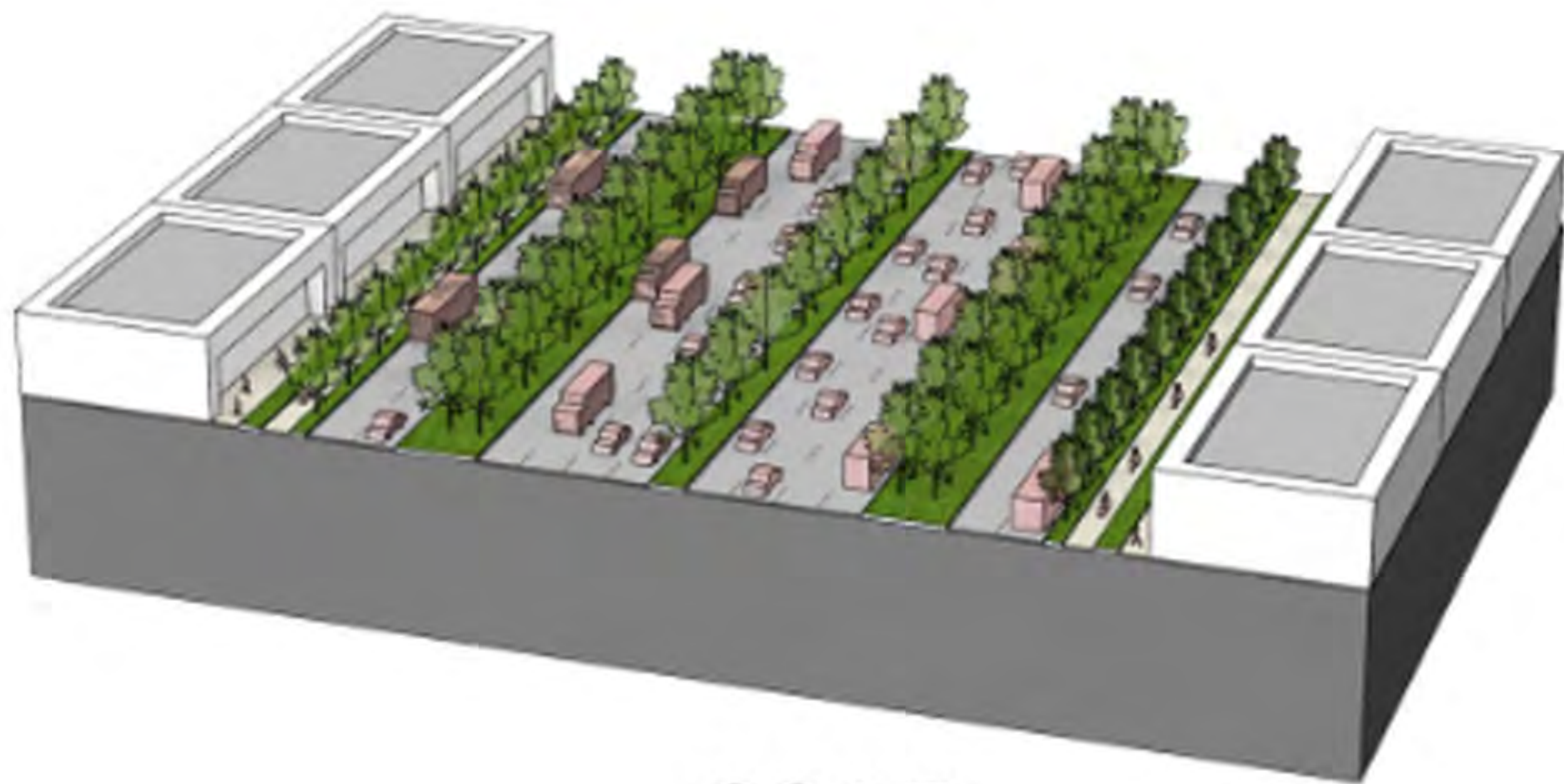
交通模式



地铁
Subway

Organic Growth of G107

重塑国道107



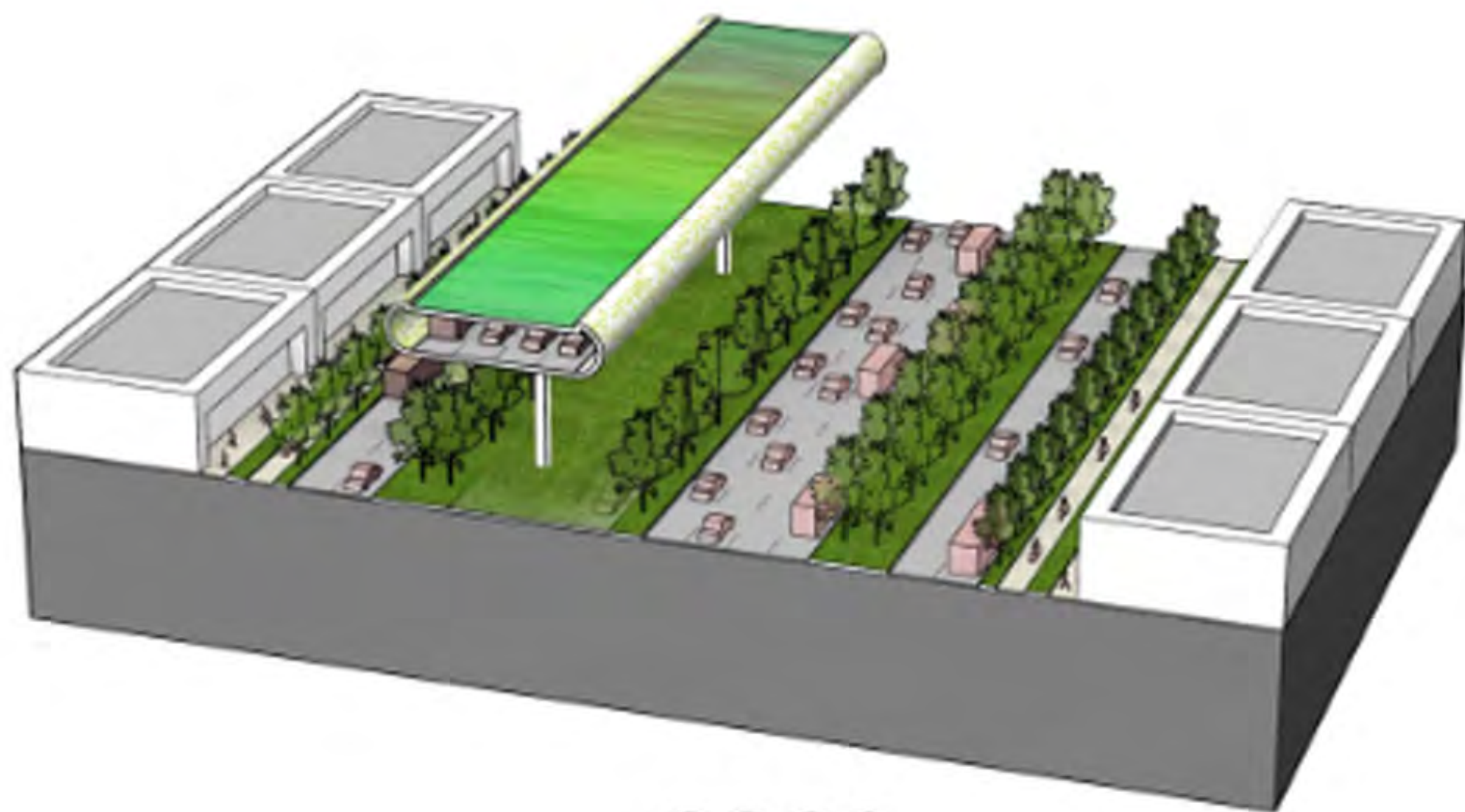
2015

AVOID OBVIOUS
ARCHITECTS

+ tetra 聯合設計
architects · planners · urban design

Organic Growth of G107

重塑国道107



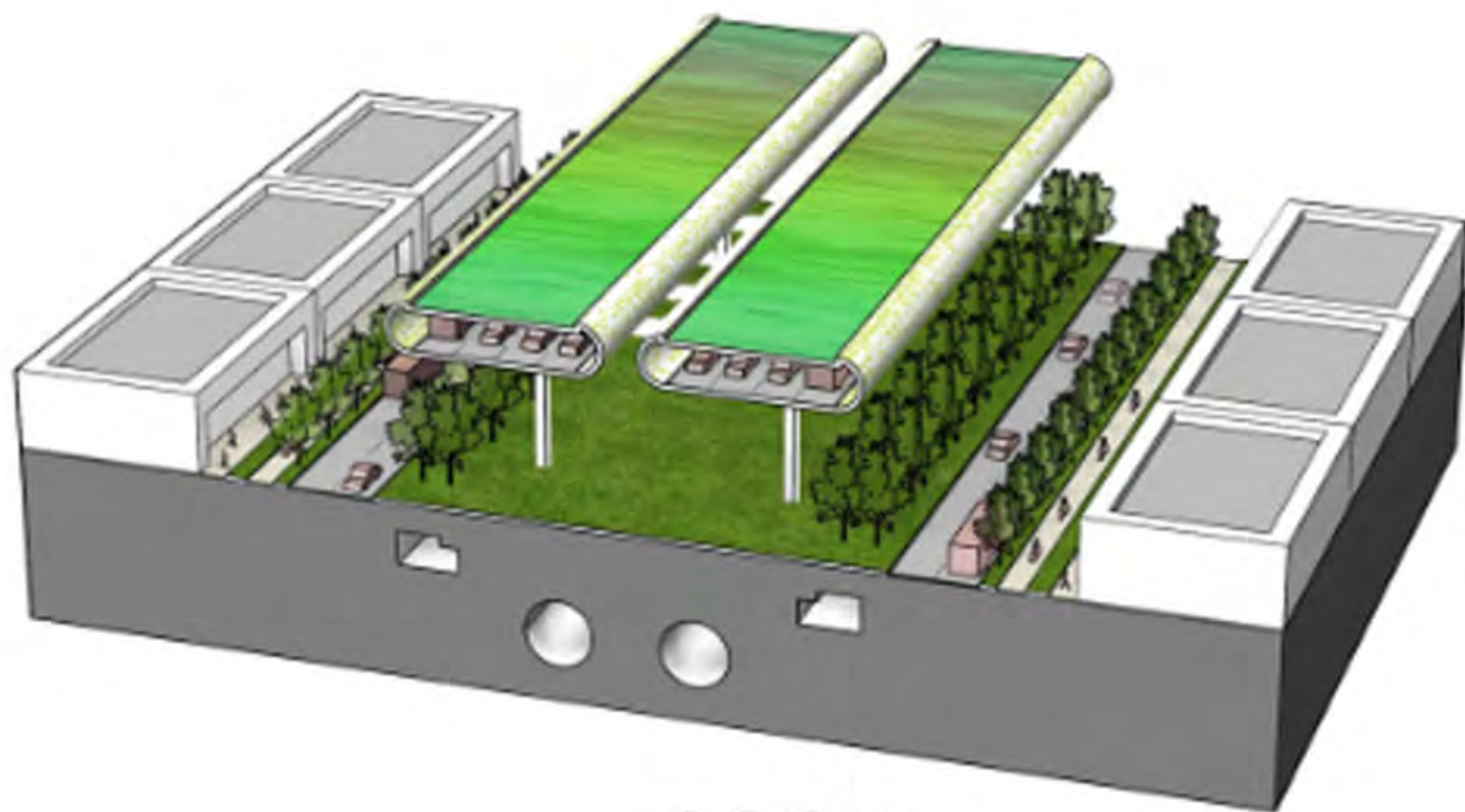
2020

AVOID OBVIOUS
ARCHITECTS

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architects · planners · urban design

Organic Growth of G107

重塑国道107



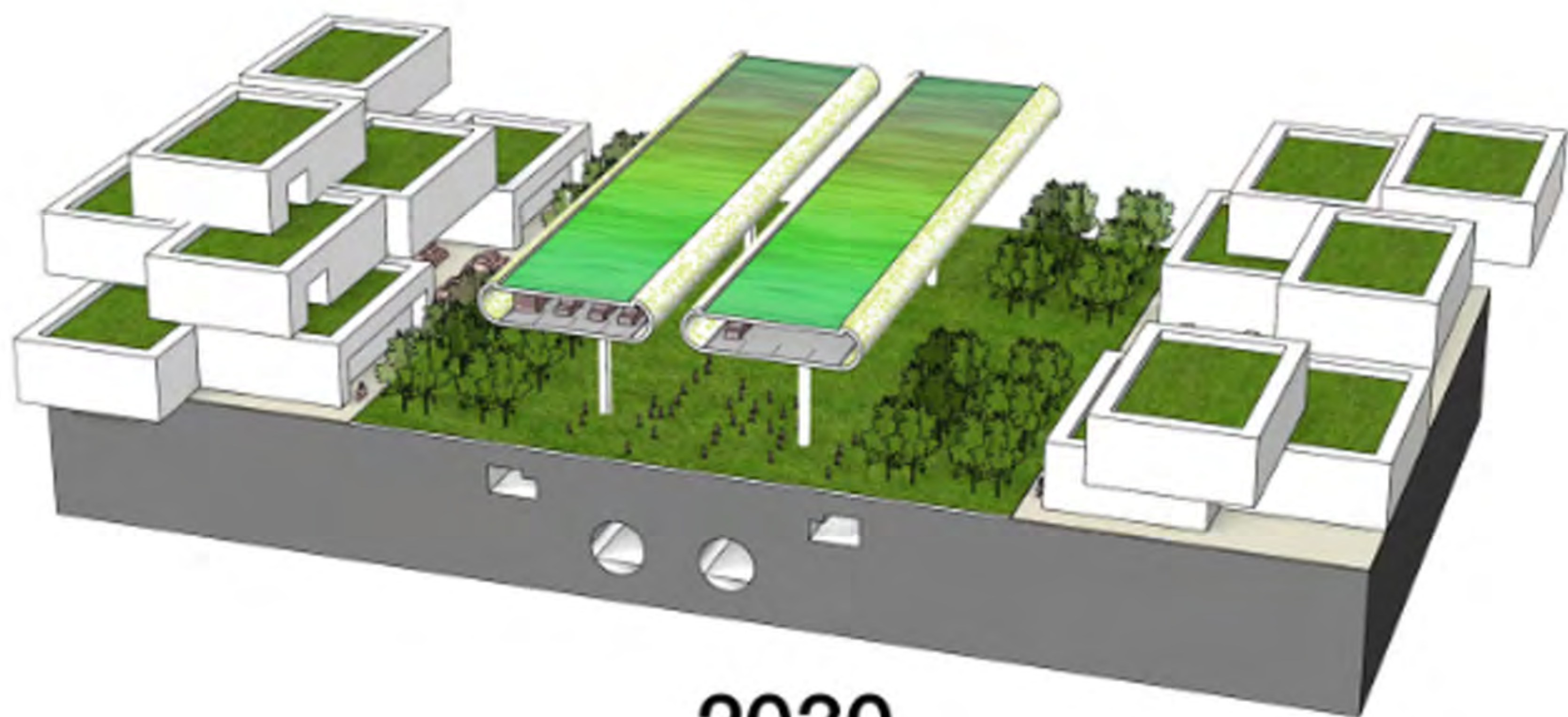
2025

AVOID OBVIOUS
ARCHITECTS

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Organic Growth of G107

重塑国道107



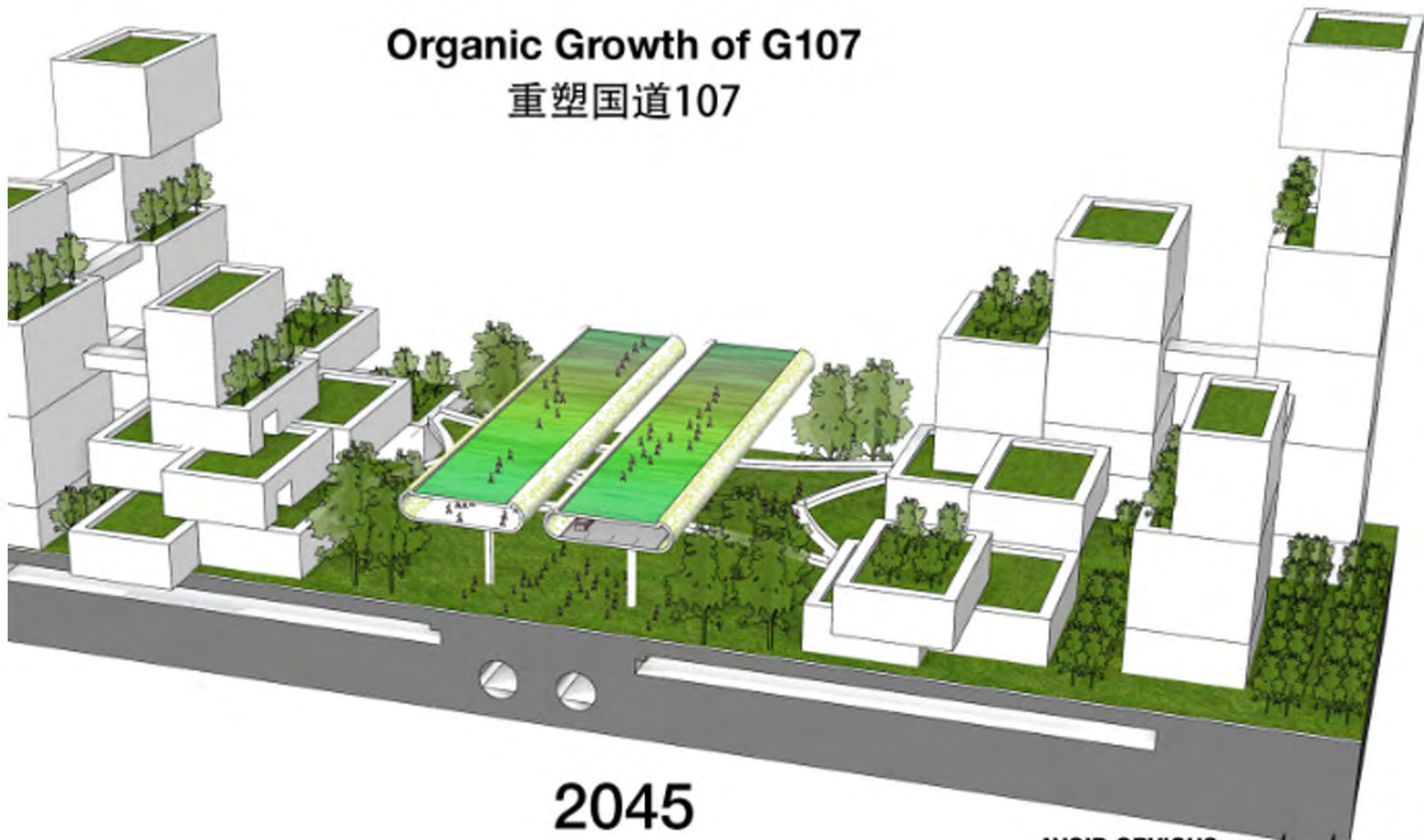
2030

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Organic Growth of G107

重塑国道107



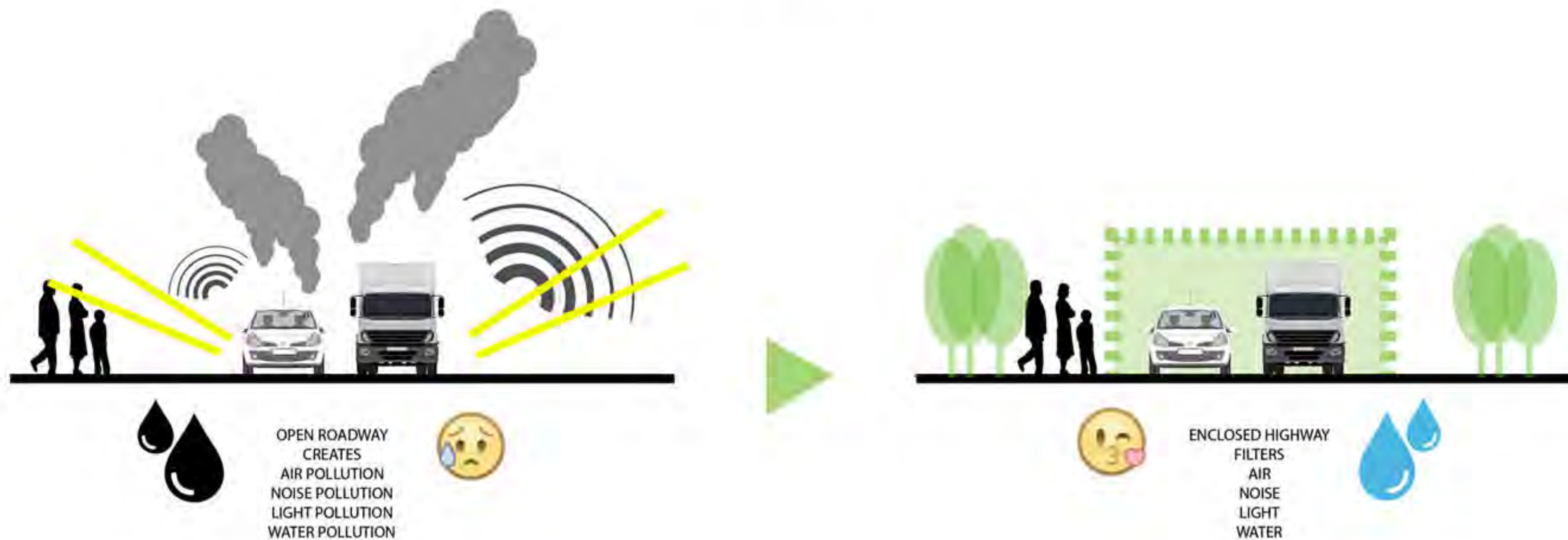
2045

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Rebirth of G107

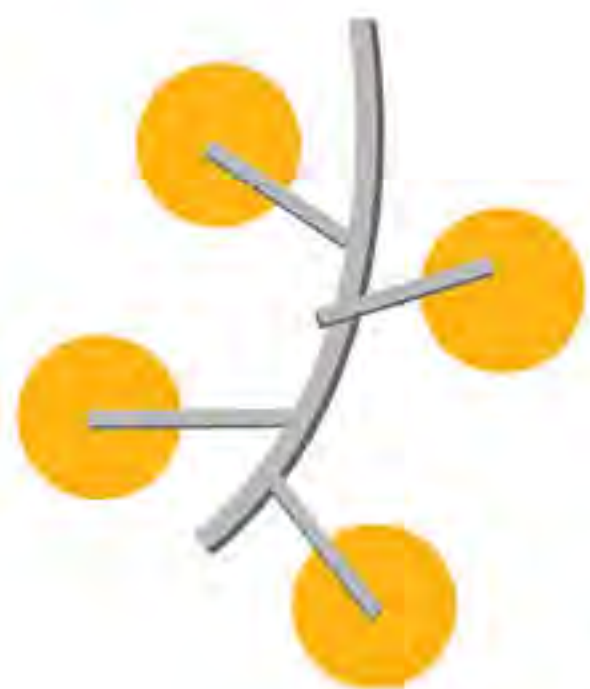
国道改造



十二条开放式行车道的设计对环境会造成一定的影响
The environmental impact of a 12-Lane Highway design is significant.

密封和八条行车道的高速公路设计能有效控制公路上所产生的污染
An enclosed highway design with 8 lanes could effectively control the highway pollution.

Multiple Sustainable Strategies 多元发展策略



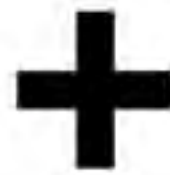
15%

高效交通网络



15%

深圳公共自行车分享系统



20%

再生能源电动车分享系统



10%

无人机运输代传统运输卡车



10%

自动驾驶汽车代替传统汽车增强交通效率



30%

达到百分之五十的城市绿化率





ROAD L6

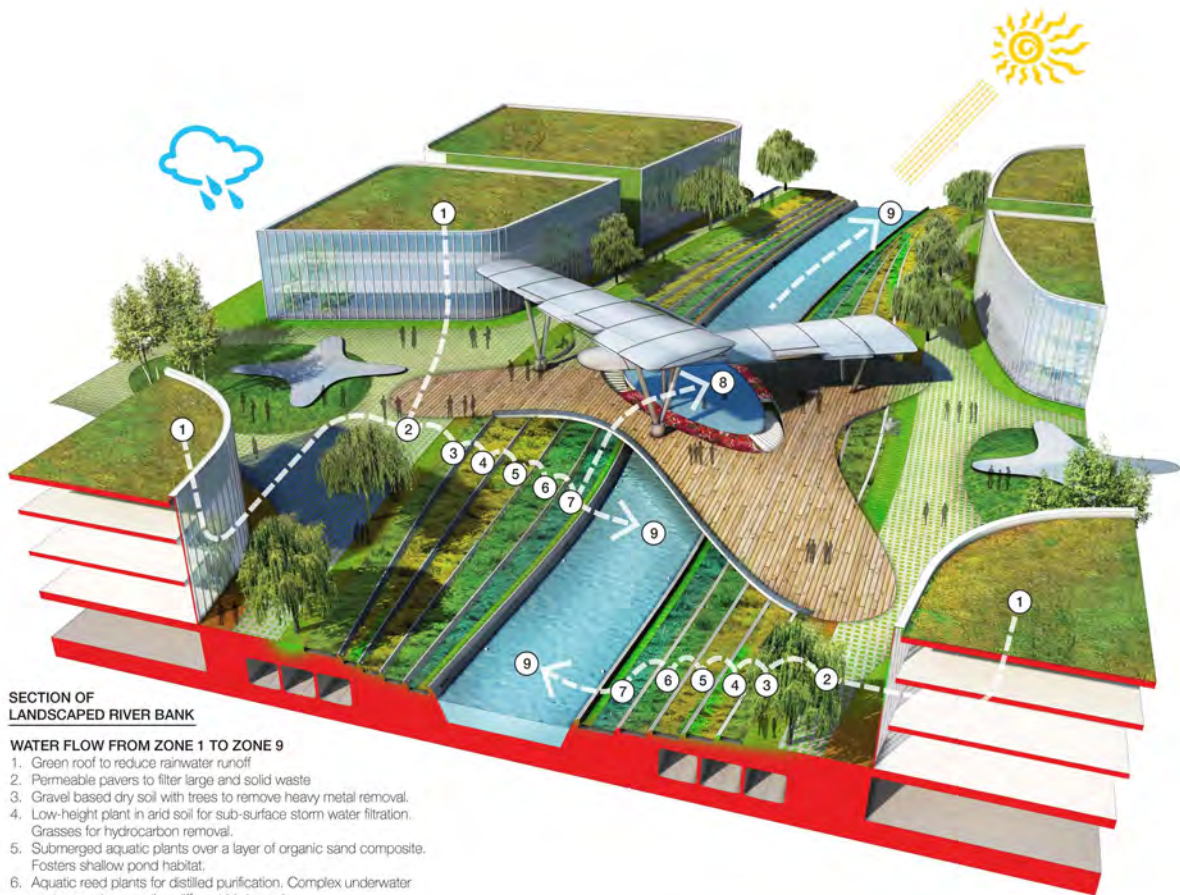
ROAD L5

LEGEND

1. Floating Platform
2. Floating Pool (Seasonal) or Basketball Court
3. Seasonal Flower
4. Upcycled Airplane Wings
5. Local Art Installation + Playground For Children
6. Lawn
7. 5 Layers Of Plants To Filter Rainwater
8. Upcycled Pavers From Desert Facility
9. Permeable Pavers
10. Lighting On River (Like Signal On A Runway)
11. Stair To Lower Level

0m 10m 50m





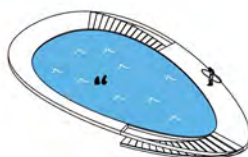
SECTION OF LANDSCAPED RIVER BANK

WATER FLOW FROM ZONE 1 TO ZONE 9

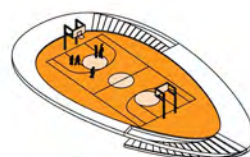
1. Green roof to reduce rainwater runoff
2. Permeable pavers to filter large and solid waste
3. Gravel based dry soil with trees to remove heavy metal removal.
4. Low-height plant in arid soil for sub-surface storm water filtration. Grasses for hydrocarbon removal.
5. Submerged aquatic plants over a layer of organic sand composite. Fosters shallow pond habitat.
6. Aquatic reed plants for distilled purification. Complex underwater environment supporting different bird species.
7. Oyster beds over sand aggregate in grass patches for waterborne chemical removal.
8. Clean water to be used in Floating Pool
9. Extra water to be directed into Kai Tak river.



Native Animals, Insect And Plants in Different Landscaped Zones.



Floating Pool in Summer



Basketball Court in Winter

Sharing Economy

产业策略





共享科技
SHARING TECHNOLOGY

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绿化平台
GREEN PLATFORM

AVOID OBVIOUS
ARCHITECTS

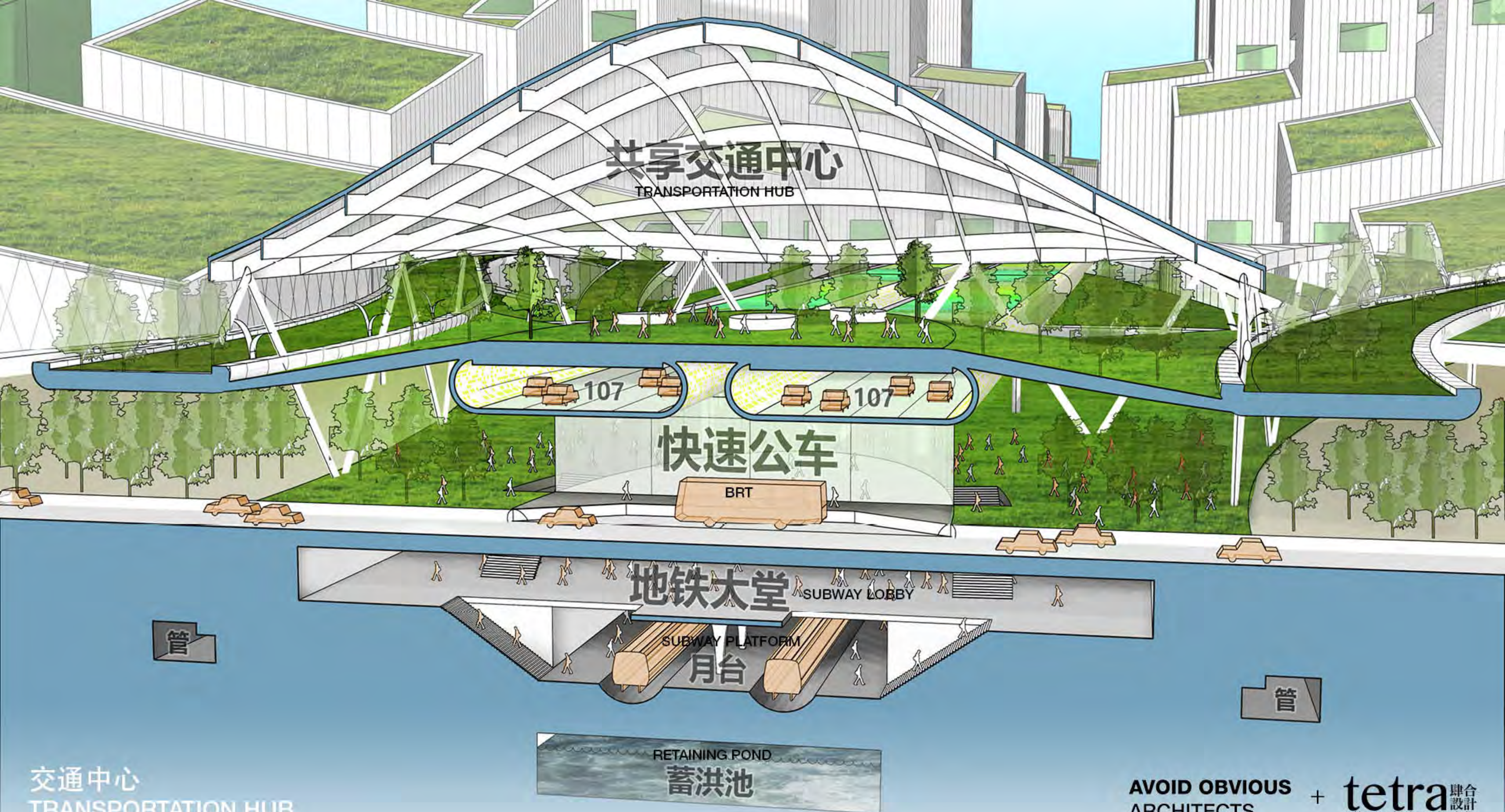
+ tetra 肆合
architecture · interiors · urban design



无人机科技
DRONE TECHNOLOGY

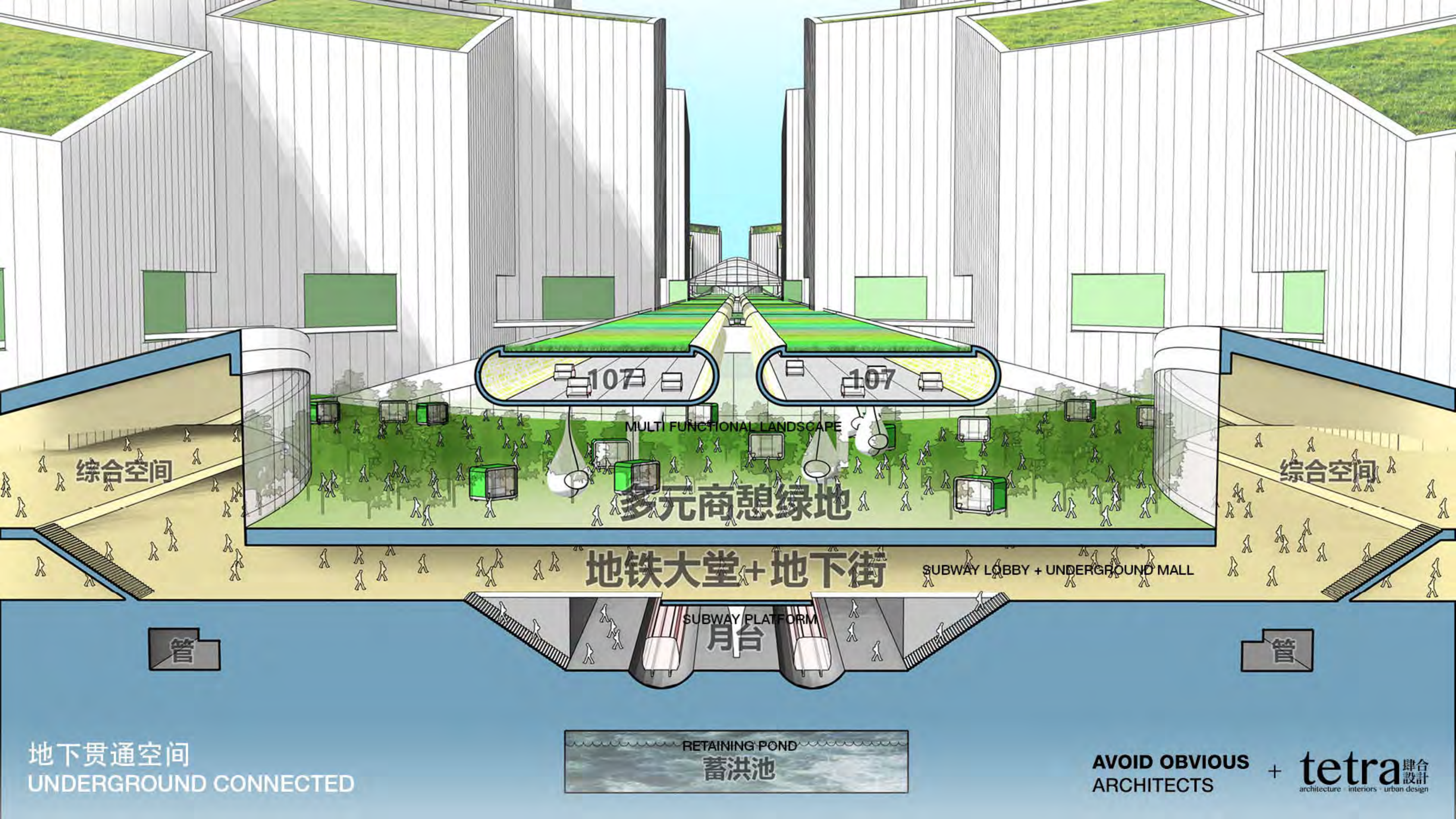
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tetra 肆合
architecture urban planning
landscape design



交通中心
TRANSPORTATION HUB

AVOID OBVIOUS
ARCHITECTS + tetra 肆合
architecture · interiors · urban design



地下贯通空间
UNDERGROUND CONNECTED

RETAINING POND
蓄洪池

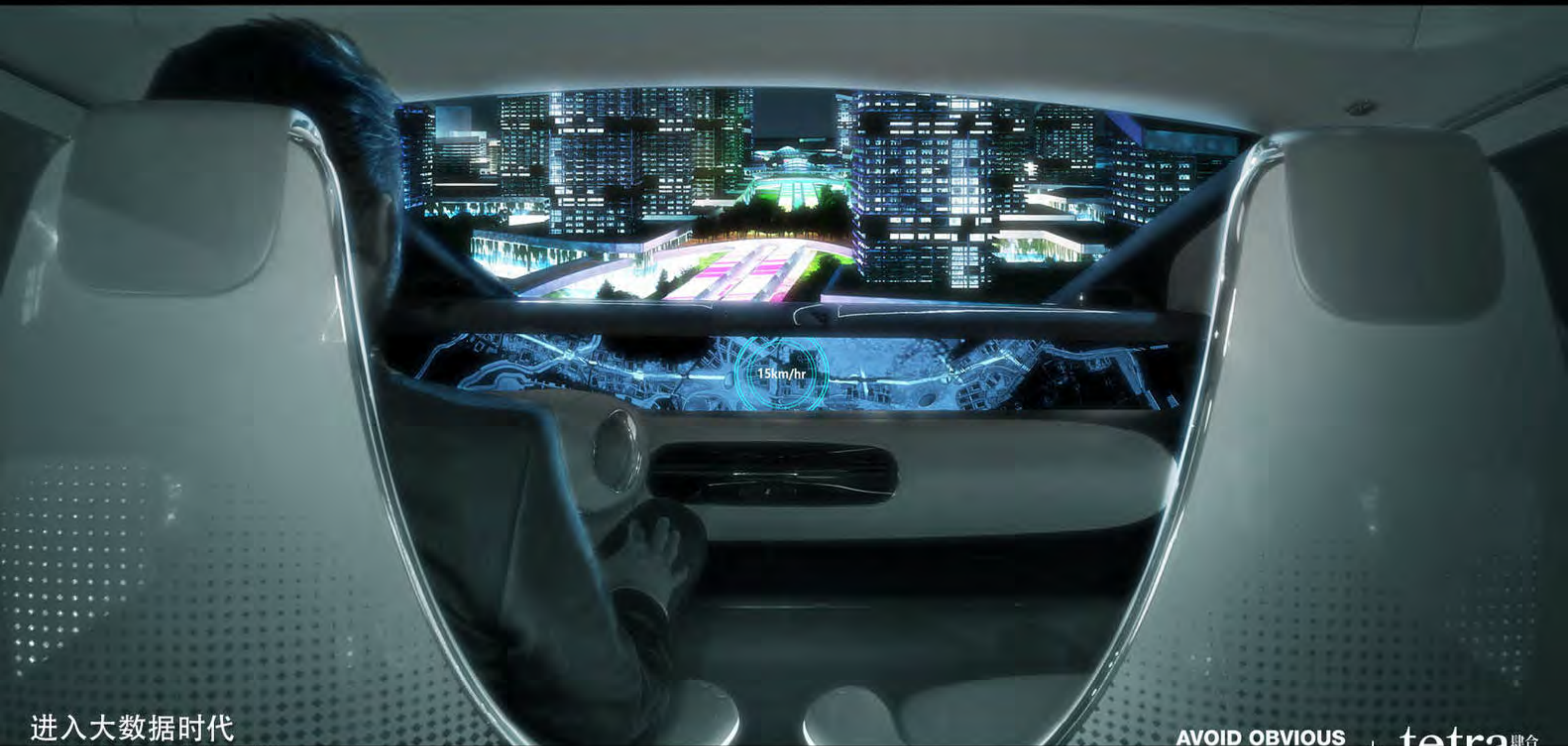
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环保国道
GREEN HIGHWAY

AVOID OBVIOUS
ARCHITECTS

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architecture · interiors · urban design



进入大数据时代
THE AGE OF BIG DATA

AVOID OBVIOUS
ARCHITECTS

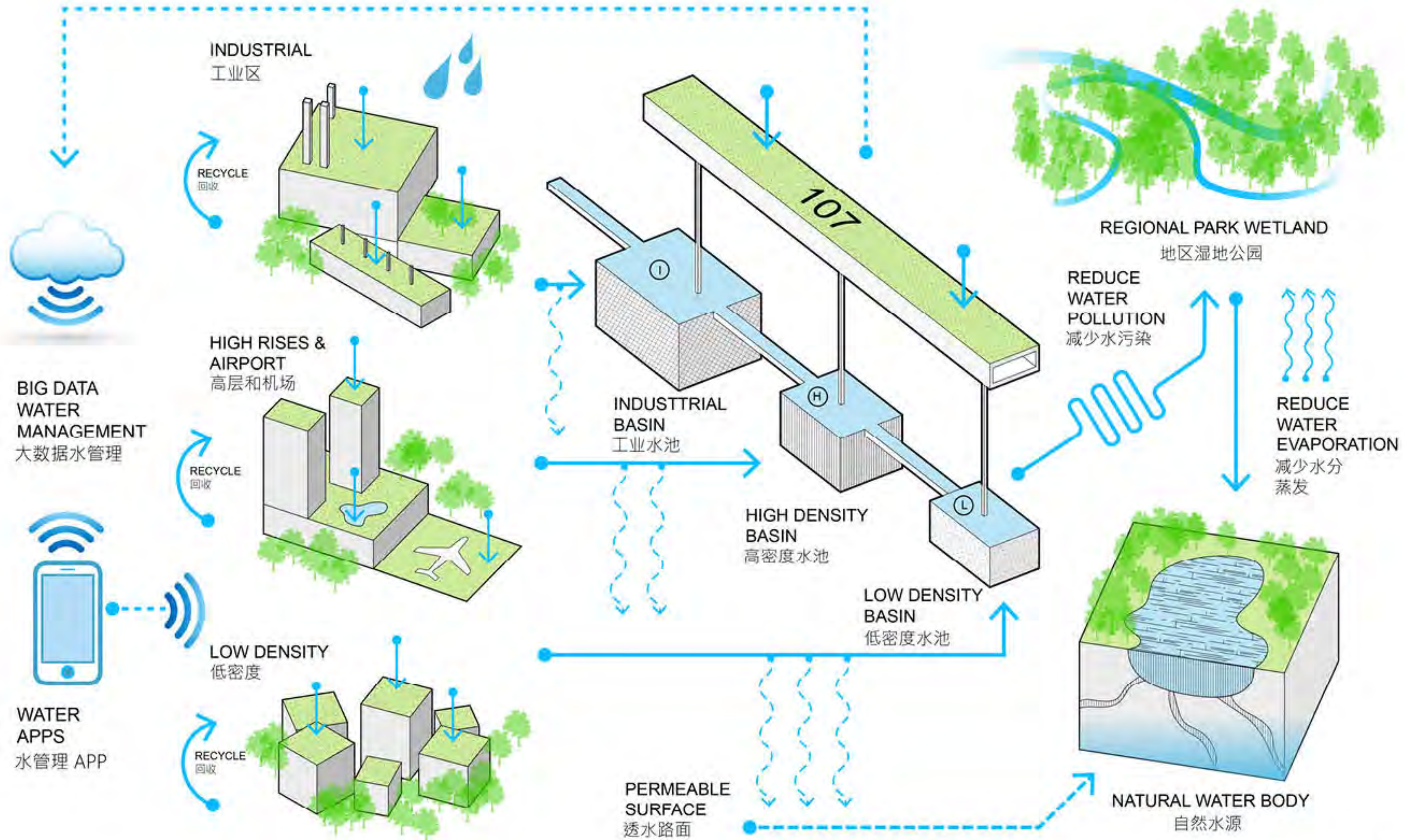
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architecture · interiors · urban design

Drone Highway
无人机派送线

无人机高速公路

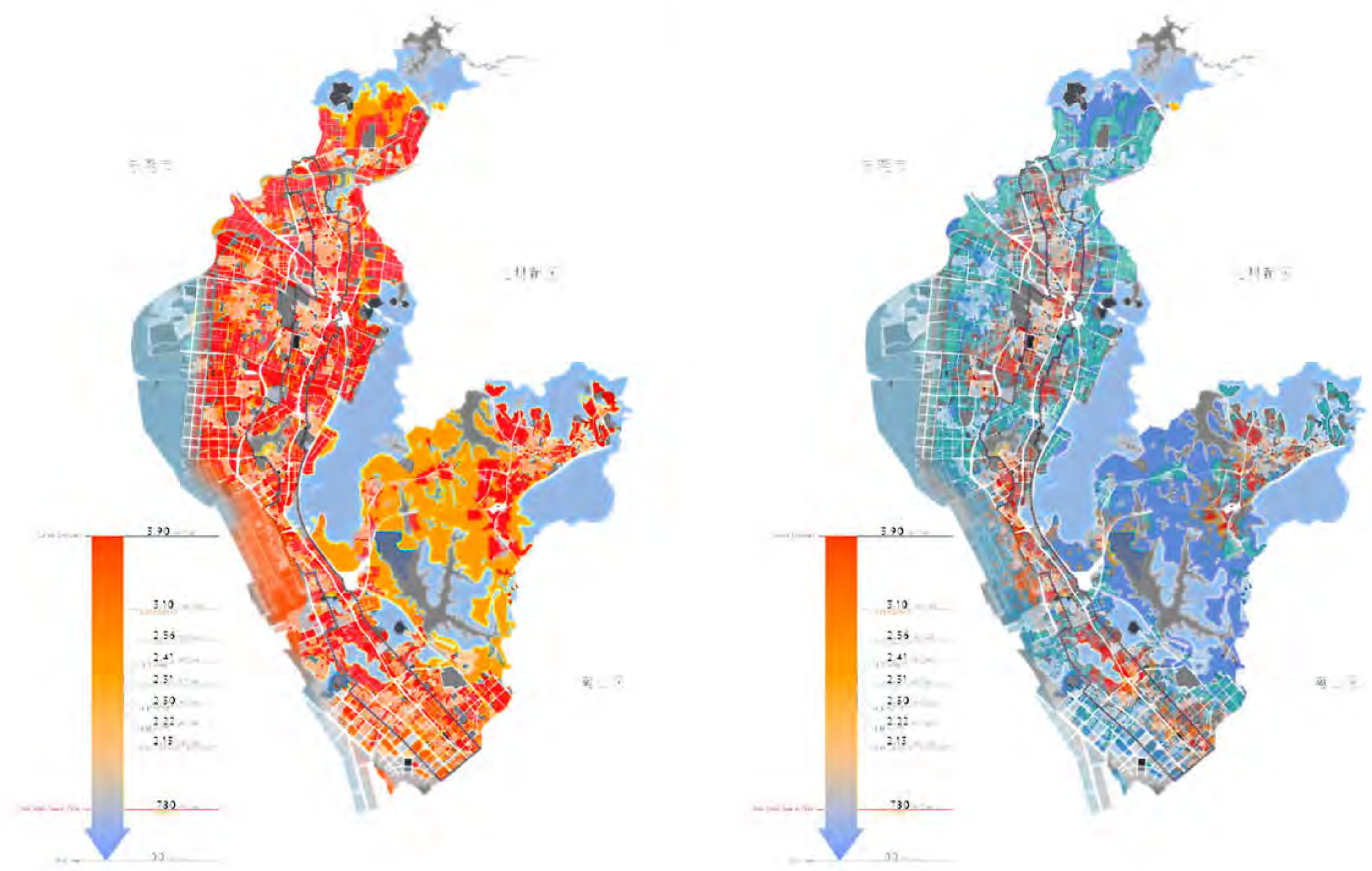
无人机派送线

Water Management 水源管理策略

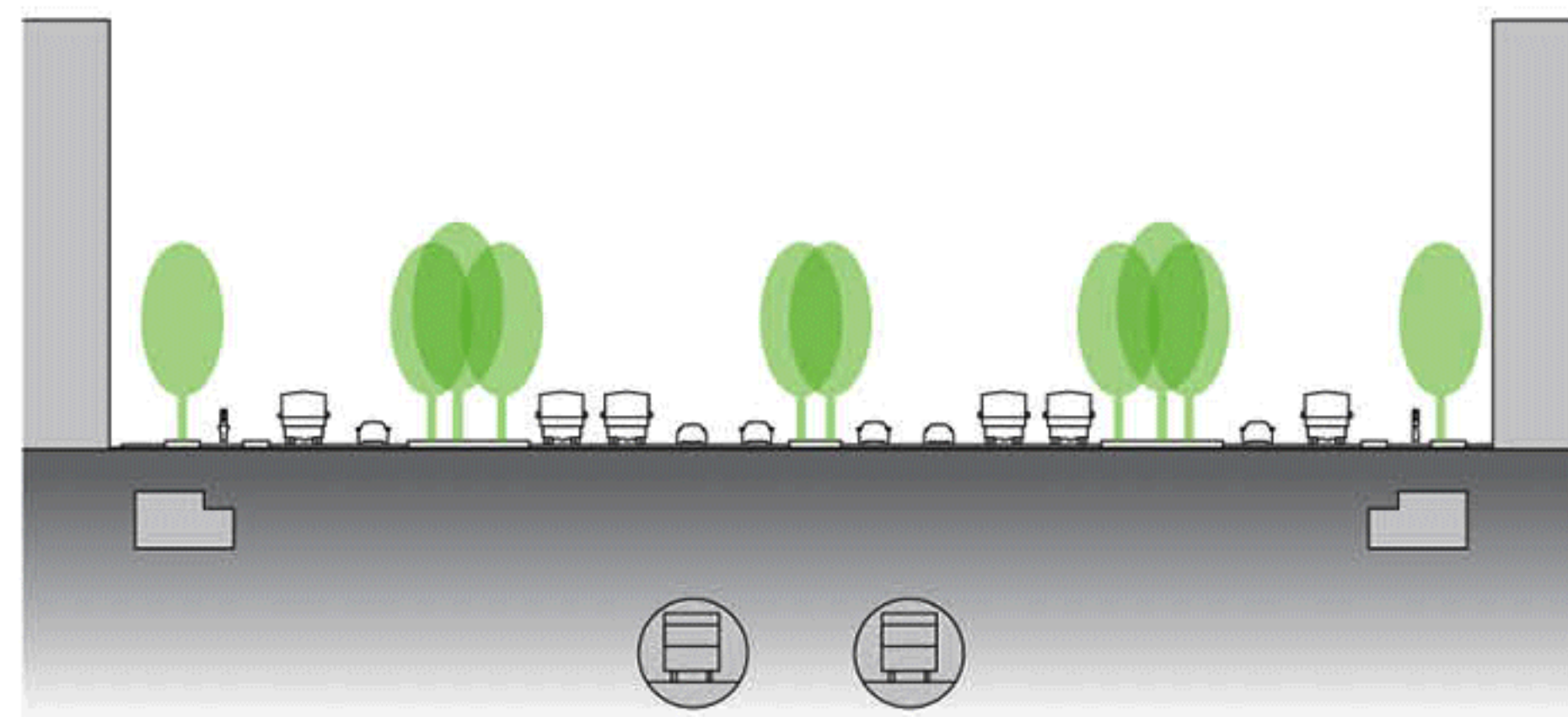


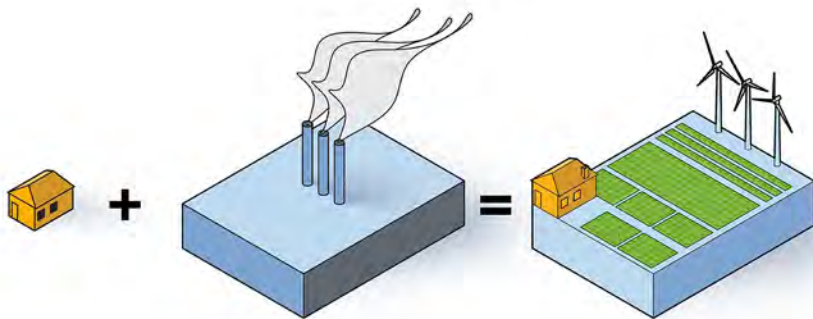
Zero Carbon by 2045

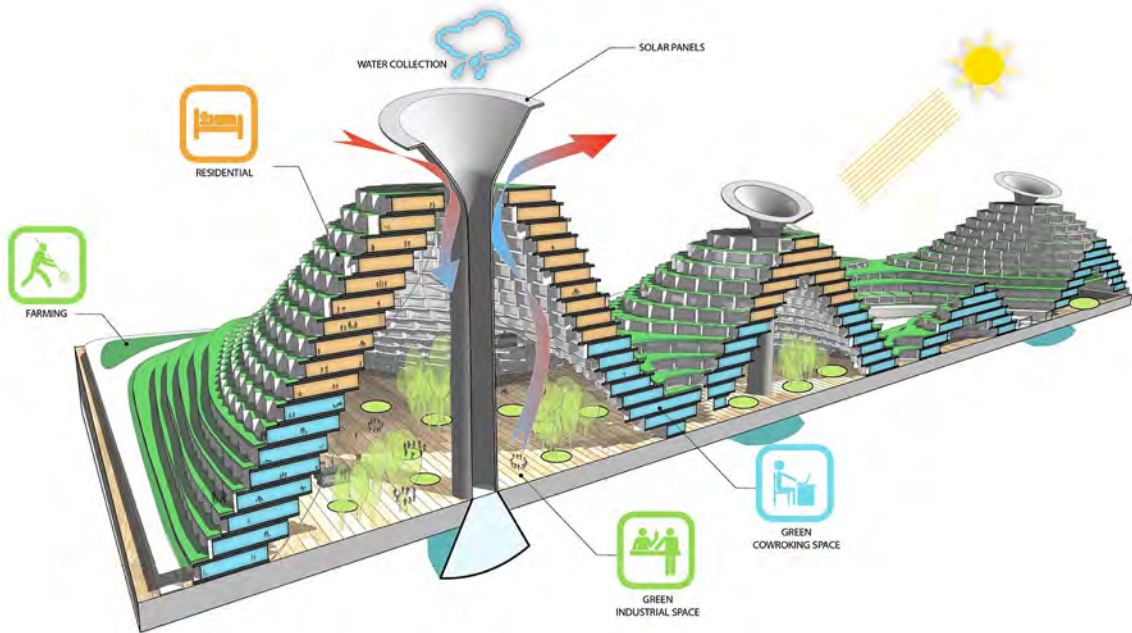
零碳城市

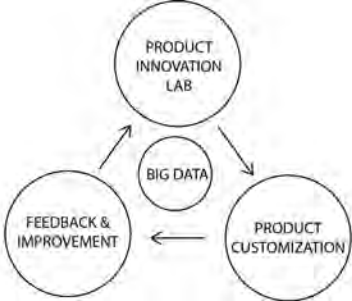


Existing Highway 现行高速设计









MASTER PLAN

HIGH SPEED PROGRAM

- H1 GRAND STAND
- H2 RESORT HOTEL
- H3 TICKET CANOPY
- H4 WIND TOWER / SKYWALK
- H5 SEASONAL PLAYGROUND
- H6 CARNIVAL
- H7 HORSEWEIGHING STATION

MEDIUM SPEED PROGRAM

- M1 ADMINISTRATION
- M2 EDUCATION CENTER
- M3 HORSE FACILITIES
- M4 WASTE PROCESS STATION
- M5 STAPLES
- M6 PARKING
- M7 EMERGENCY CONTROL
- M8 COMMUNITY PLAYGROUND
- M9 INDOOR PARKING FOR BETTERS
- M10 INDOOR PARKING FOR VISITORS
- M11 PARADE RING
- M12 BIOSWALE / BACKUP RESERVOIR
- M13 SECURITY

LOW SPEED PROGRAM

- S1 CAMPING FOR ADULTS
- S2 HORSE MUSEUM (FLYING CAROUSEL)
- S3 GREEN RESTAURANT/ WINE TASTING
- S4 BIOSWALES / FISHING LANDSCAPE
- S5 TRAINING GROUND
- S6 CAMPING FOR CHILDREN
- S7 COMMUNITY FARM
- S8 SUSTAINABLE CENTER
- S9 LEARNING CENTER / CAMP SERVICE
- S10 "SLOW" LAKE
- S11 THERAPY LAKE

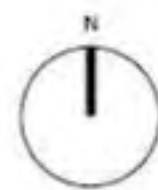
BRIDGE TO GARDEN
WORLD AND W-SPORTS

VEHICLES
ENTRANCE

COMMUNITY ENTRANCE
FOR DAILY SPORTS

SEE DESIGN DESCRIPTION
FOR LONG SECTION

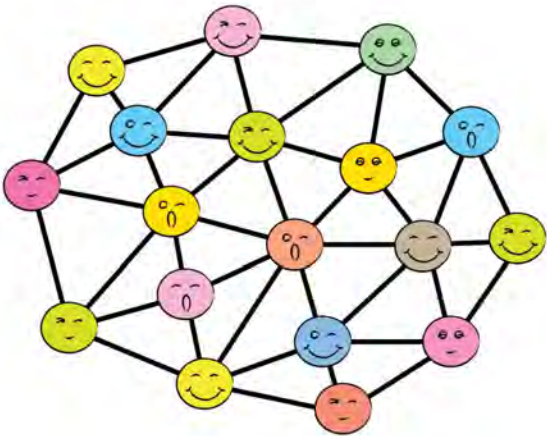
STAPLES ENTRANCE



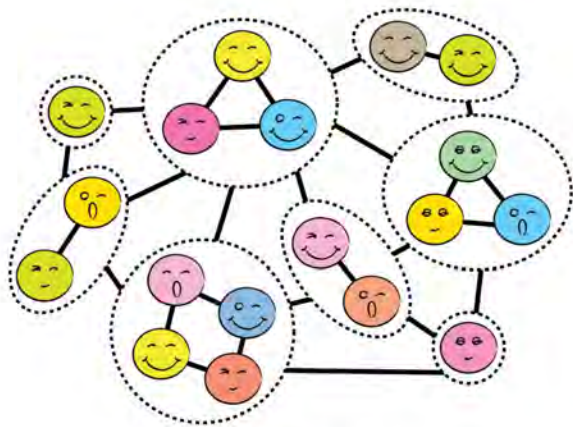
DROP OFF
ENTRANCE

GREEN FACTS: (see design description for diagrams)

- 100% path lighting to be powered by on-site wind turbines.
- 95% of earth excavated to be reused on site.
- 450,000 tons of Carbon Dioxide stored on site as architecture.
- 5 layers of terraced bioswale to remove water pollutants.
- 450% of area saved for landscape from open parking to reduce heat island effect.
- Innovative lighting solution to reduce light pollution.



NETWORK SYSTEM
(Education NOW)

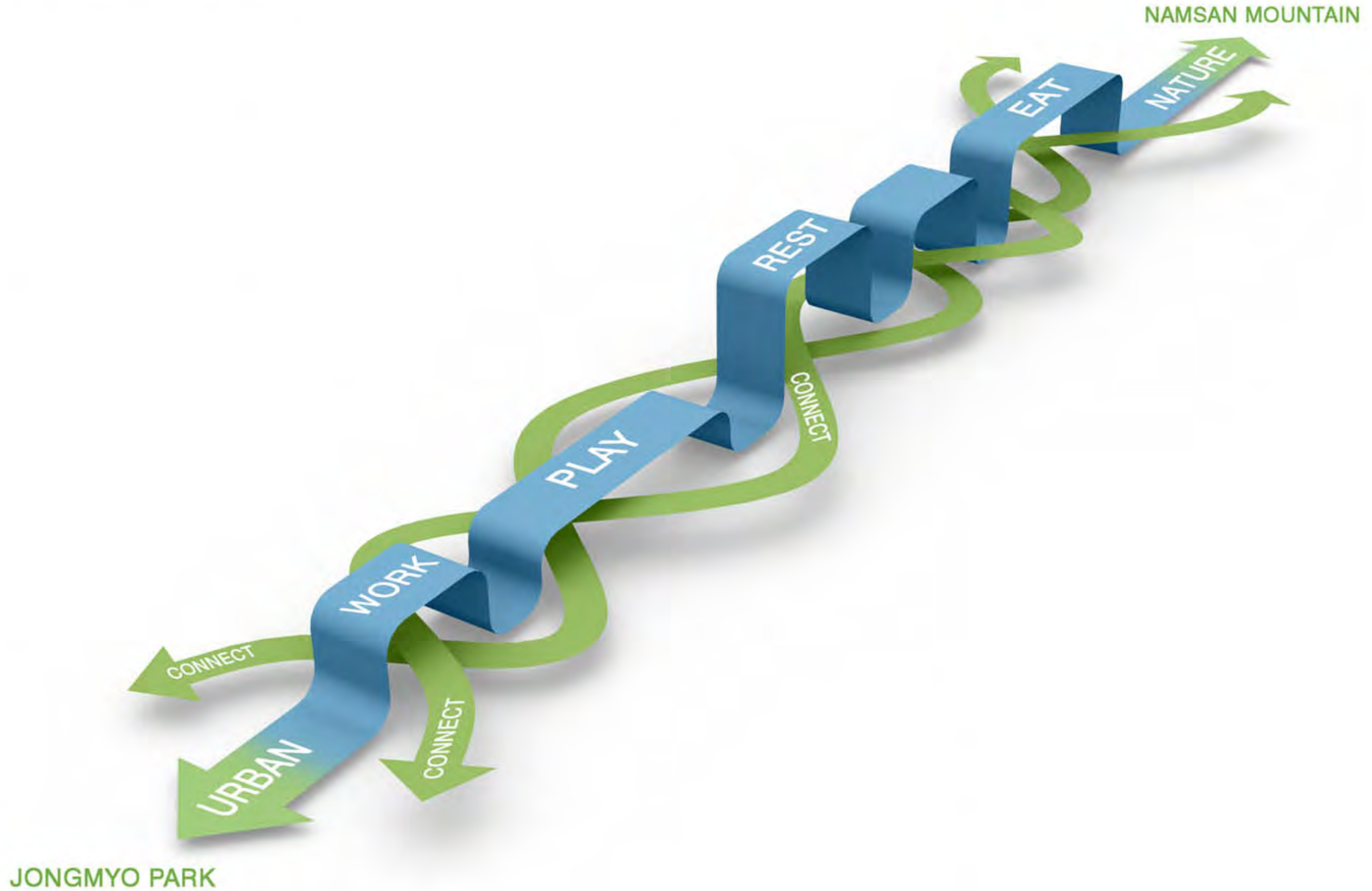


ZONE NETWORK SYSTEM
(Education FUTURE)

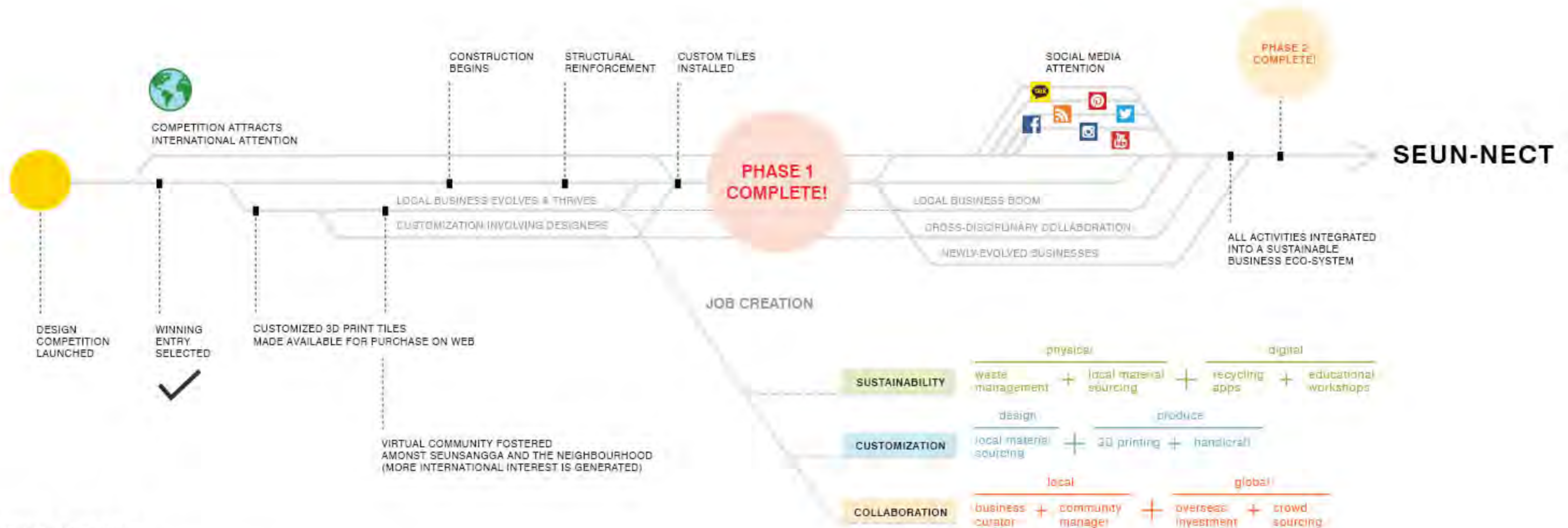




SEUN-NECT



SEUN EVOLUTION



Business Evolution:

The construction of the park is designed to be part of the evolution of Seun existing businesses. Adapting 3d printing technology and customization process, local businesses can start providing pavement modules for the park before the construction. Global participants can be part of the design process to provide unique pavers with their name. The process will add international diversity to this local project.



CHAN HONG KONG

DIANA SOUL - MELBOURNE

JOE SMITH - NEW YORK

SEUL

SUSAN BOYLE - LONDON

JERRY ROCKWELL - JESSY OT

NATIVE PLANTS & SEASON OF FLORA

-----> SPRING -----> SUMMER -----> AUTUMN -----> WINTER ----->



Rhododendron-
chlippenbachii)
oyal Azalea



Rosa Polyantha



Angelica Gigas
(Purple Parsnip)



Sesleria autumnalis
(Autumn moor grass)



Wisteria floribunda
(Wisteria)



Jeffersonia Dubia
(Asian Twinleaf)



Echinacea Purpurea-
(Purple cone Flower)



Calamagrostis brachytricha
(Korean reed feather grass)



Betula nigra
(River Birch)



Polystichum Munitum
(Western Sword Fern)



Bambusa Vulgaris
(Golden Bamboo)

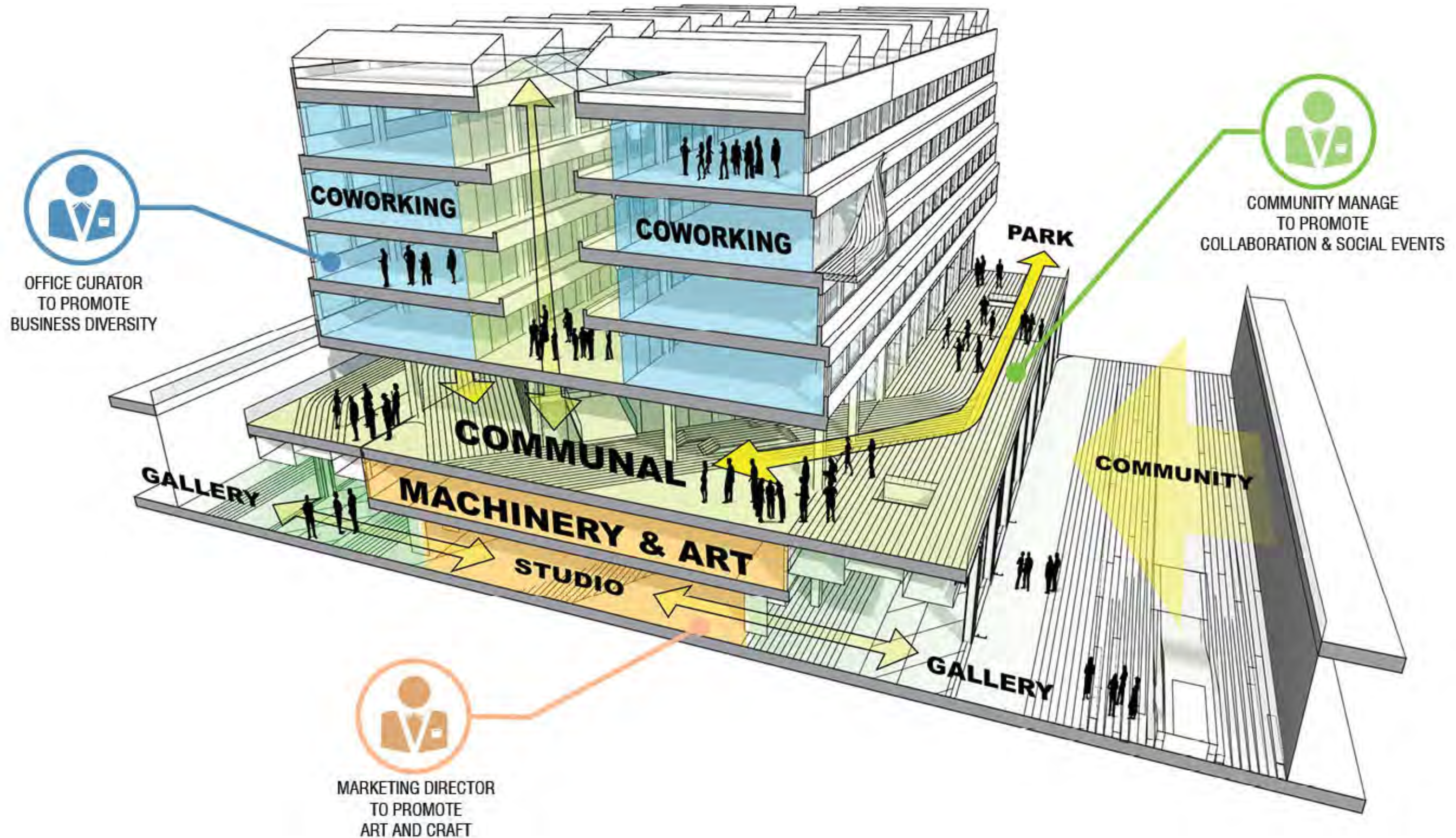


Hydrangea Serrata
(Tea of Heaven)

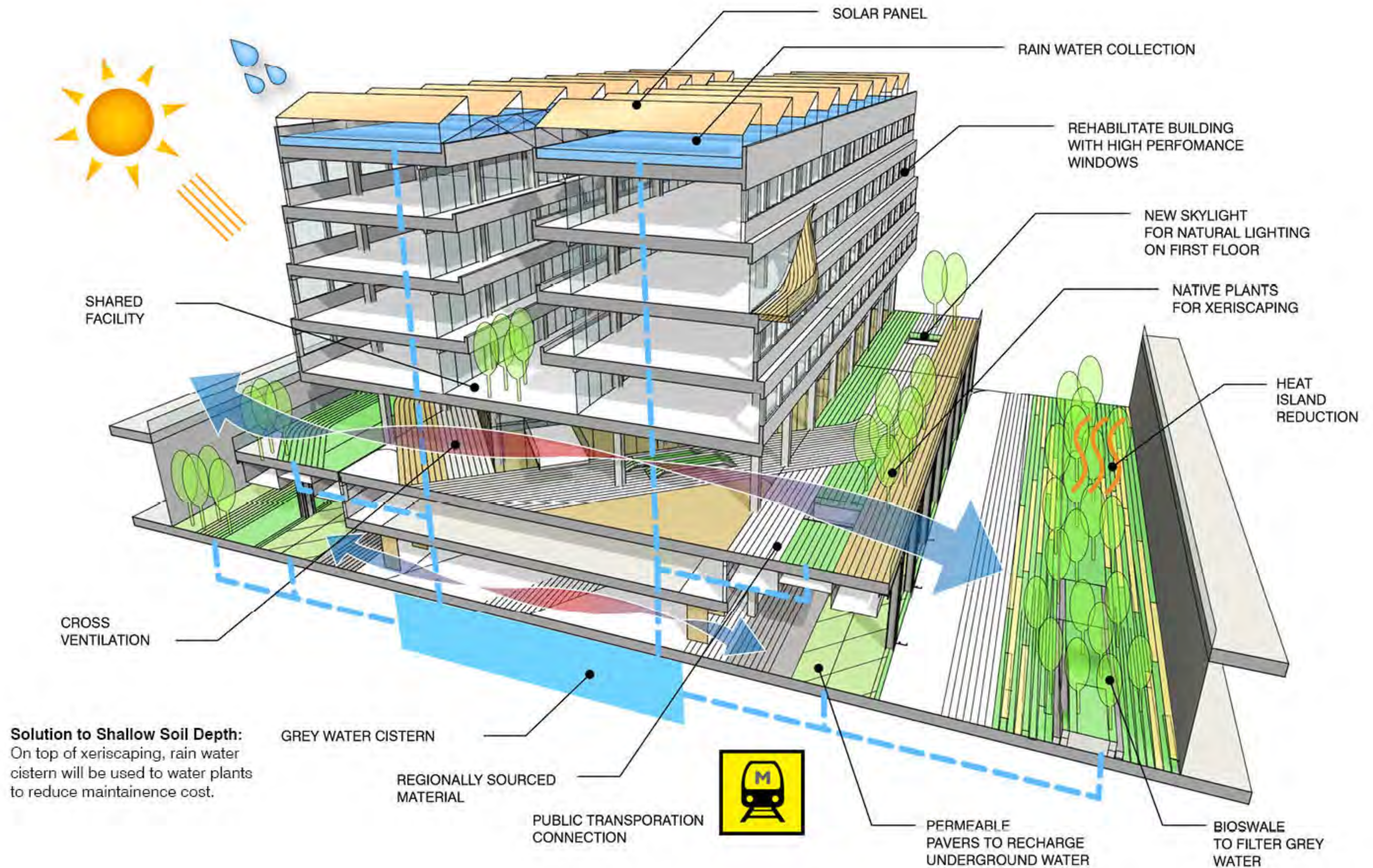


Iris Koreana

REVITALIZATION PROGRAM



SUSTAINABLE STRATEGY

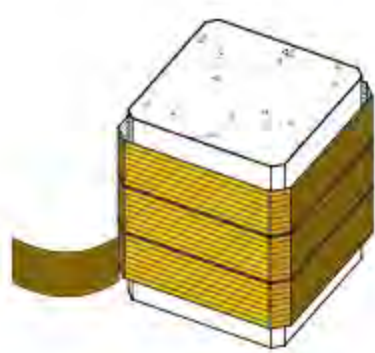


DECK STRUCTURE

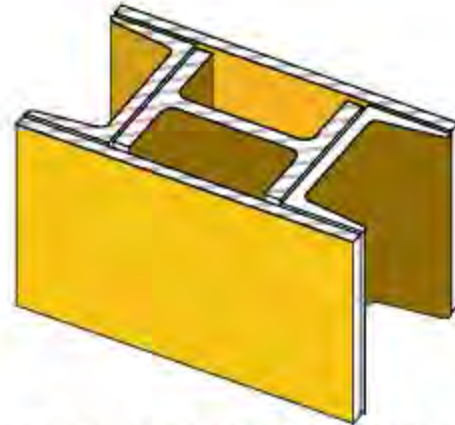


Landscape:
Native plants in Korea will allow for xeriscaping. The species are chosen to match the theme of play, work, eat and rest. Planters has three typical soil depths.

STRUCTURAL REINFORCEMENT



FIBER-REINFORCED POLYMER COATING



NEW PLATES AND CHANNELS



FILLET CORNER TO MAINTAIN RIBBON LIKE AESTHETICS

SLAB:

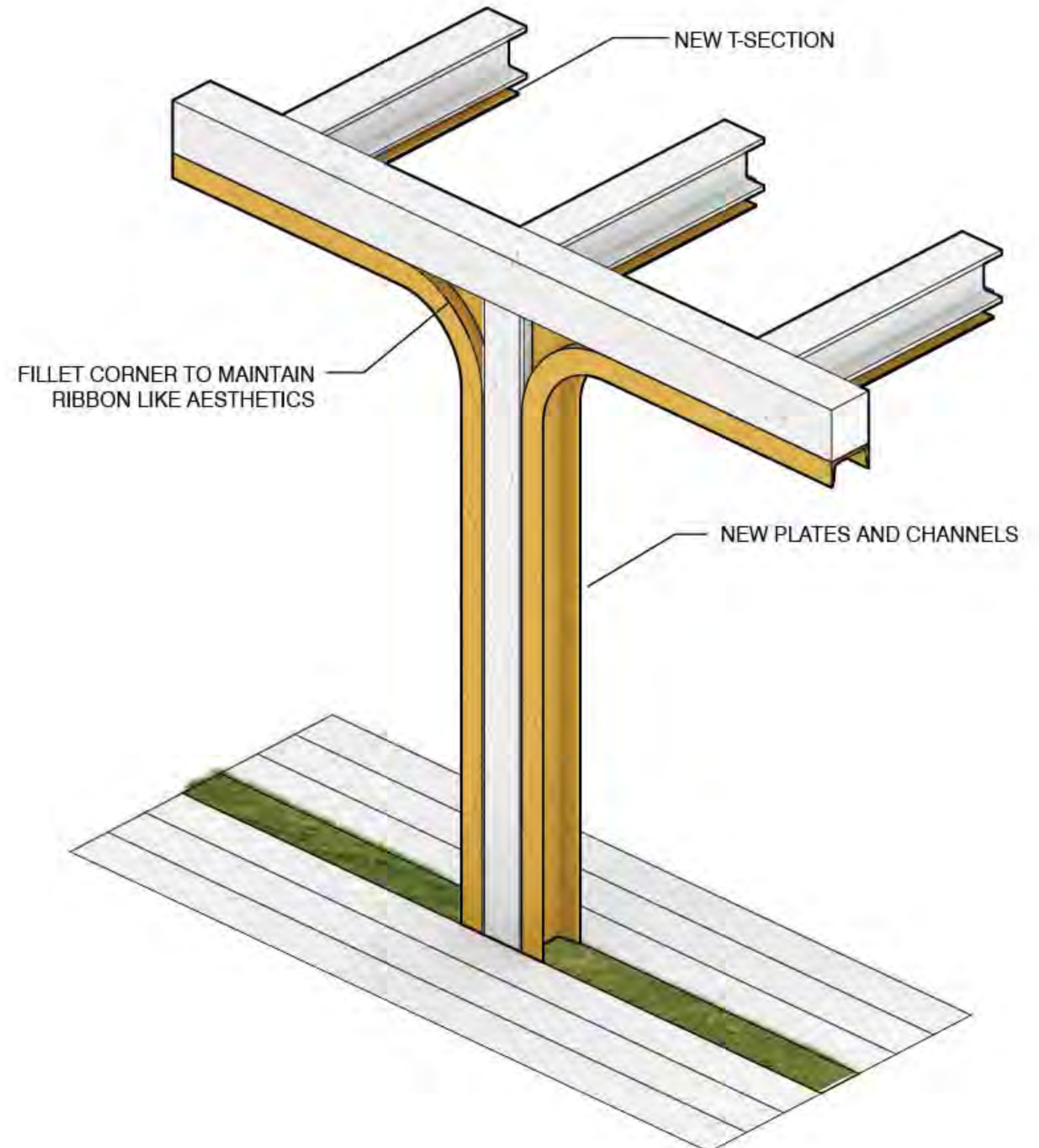
The existing deck slab must be examined and reinforced where required for new loads. Reinforcing can occur through the use of new steel added to the underside of the deck, or new slab placed over the top. This work will only be performed where required. Patching and repairs shall include new concrete and reinforcing steel or metal deck.

BEAM:

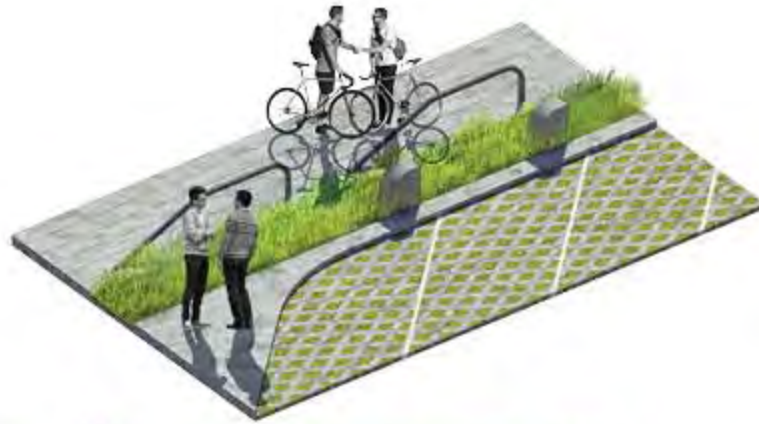
New steel will increase the capacity of the beams. Concrete beams shall have steel plates bolted to the underside and sides of the structure to increase the bending and shear capacities. Concrete with reinforcing bars can also be placed if needed for aesthetics. Steel beams shall be reinforced by welding a new structural T-section to the underside of the beams at the center to increase the depth and area of the overall section.

COLUMNS:

Concrete columns may be reinforced where required by wrapping the column in a Fiber-Reinforced Polymer (FRP) coating that constrains the column and greatly enhances the capacity without a great increase to section size. Steel columns receive new plates welded to the edges of the flanges to increase strength in the weak axis as well as add extra material area to the column.



TAXONOMY



1  CAR PARK AND BIKE PARK



4  MOVABLE LANDSCAPE



7  LIGHT SHOW



2  SEUN CAFE



5  GREEN MOUNT



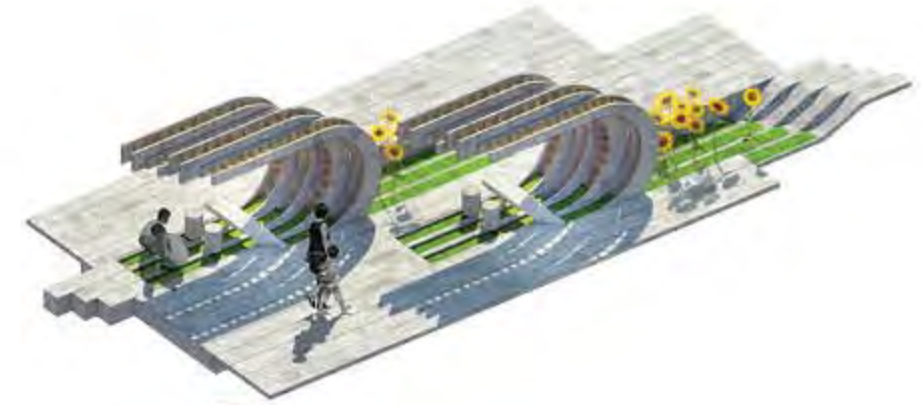
8  FLOATING ART



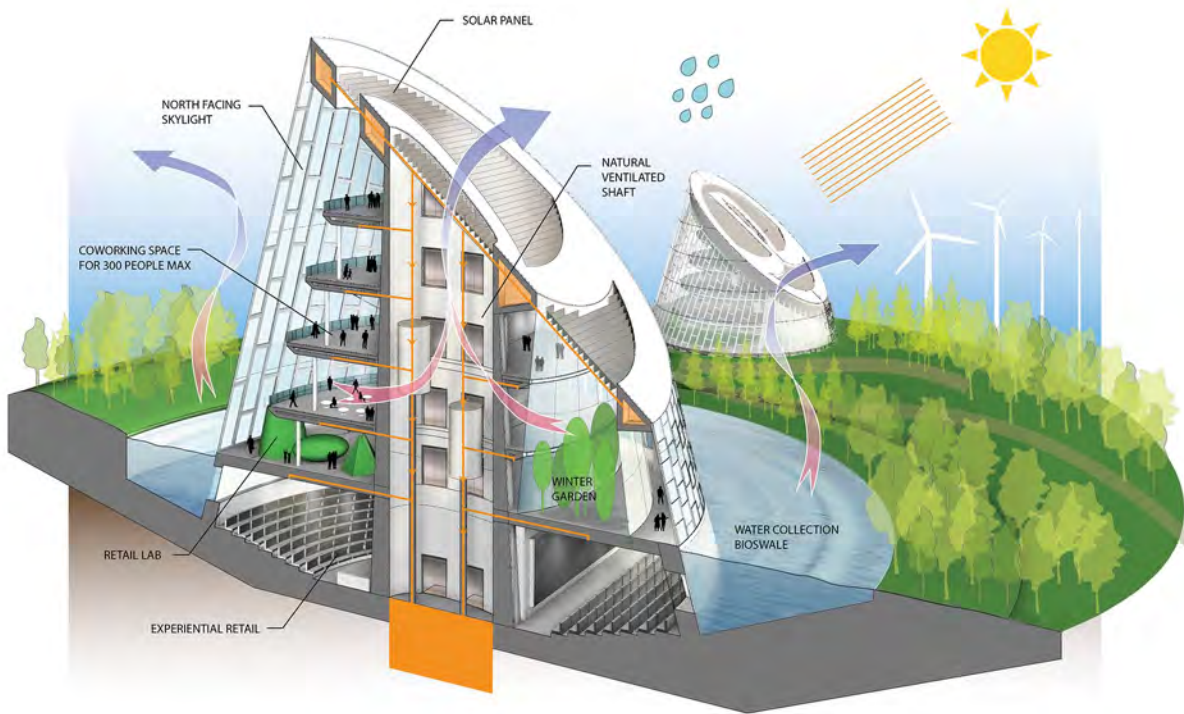
3  WATER PLAYGROUND



6  VERTICAL RAMP



9  LIBRARY

















Farmers
Market

Farmers Market

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