ACTIVE CITY
VALUE-ADDED DESIGN:

MANAGING WATER, CLIMATE CHANGE, AND PUBLIC HEALTH THROUGH ACTIVE DESIGN

ACTIVE CITY TRANSFORMATION _ 2015

ACTIVE
CITY
TRANSFORMATION

Research project

Urban Analysis

Site Development Opportunities

Strategic Planning

Movement and Activity Strategy

Action Plans

Public Space design

Activity Design

Event Planning

Temporary installations

AESTHETIC FRAMEWORK

AESTHETIC FRAMEWORK

AESTHETIC FRAMEWORK

CHALLENGES

CHALLENGES

CHALLENGES

CHALLENGES

70%

According to WHO, lifestyle factors may be responsible for 70% of all diseases in 2020!

$1,400,000,000,000

The UN's Food and Agricultural Organisation has estimated the worldwide cost of being overweight or obese, such as through the increased risk of heart attack, to be $1.4 trillion.

Source; World Health Organisation

CHALLENGES

4.500

Every year, 4,500 deaths related to physical inactivity. This corresponds to 7-8% of all deaths.

100.000

Every year, 100,000 hospitalizations related to physical inactivity

Source; Statens Institut for Folkesundhed, 2013

CHALLENGES

THE COST OF PHYSICAL INACTIVITY

2.6 million. additional contacts for days of absence practitioner
3.1 mio.ekstra days of absence
1,200 cases of early retirement

Overuse of health care:	**3.109 MILL. DKR**
Savings due to premature death:	**226 MILL. DKR**

The health deparment annual costs related to physical inactivity:

TOTAL : 2.883 MILL.DKR

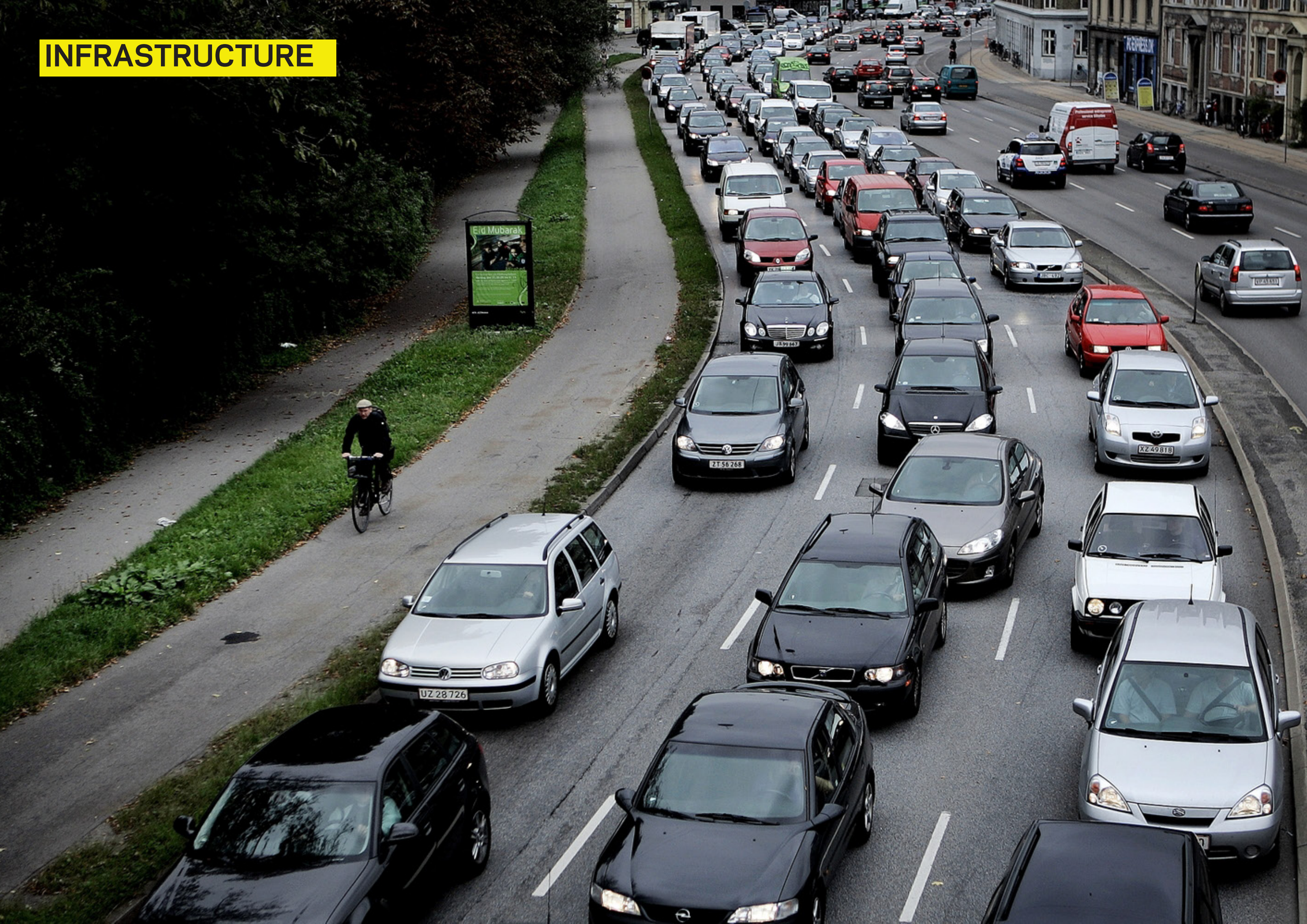
Source; Statens Institut for Folkesundhed, 2013

CHALLEGES FOR PUBLIC HEALTH

CONVENIENCE

APPLIANCES

INFRASTRUCTURE



POLLUTION

LACK OF GREEN SPACES

LACK OF ACTIVE SPACES

CLIMATE

CLIMATE

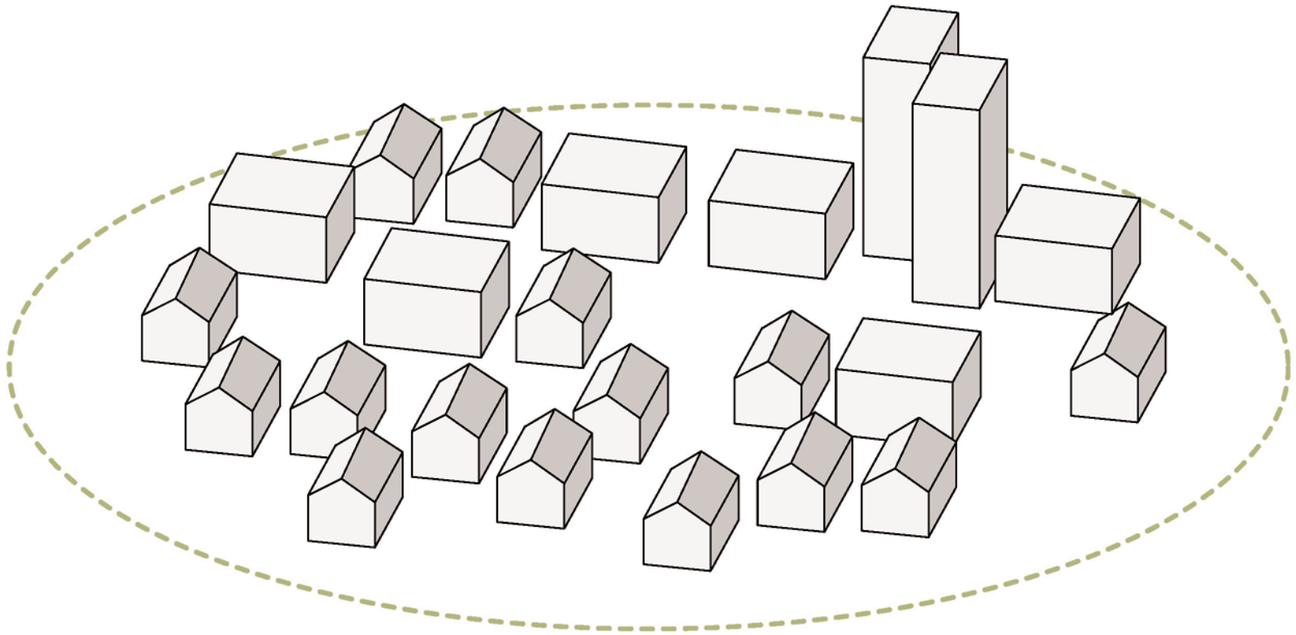
HOW DO WE CREATE THE HEALTHY CITY?

ADDED-VALUE DESIGN#1

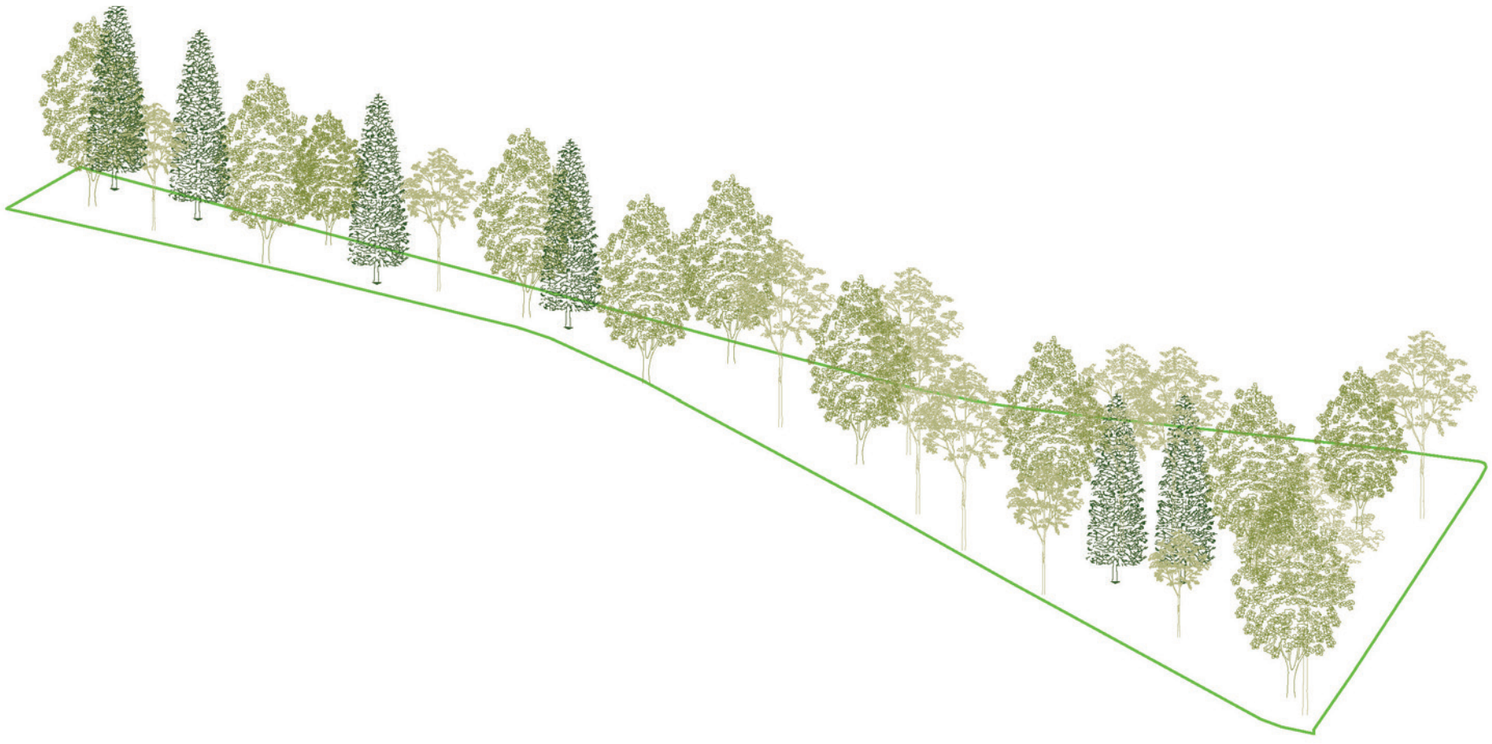
KILEN_ WATERPLUS

KILEN_WATERPLUS_SOLRØD

DENSIFICATION

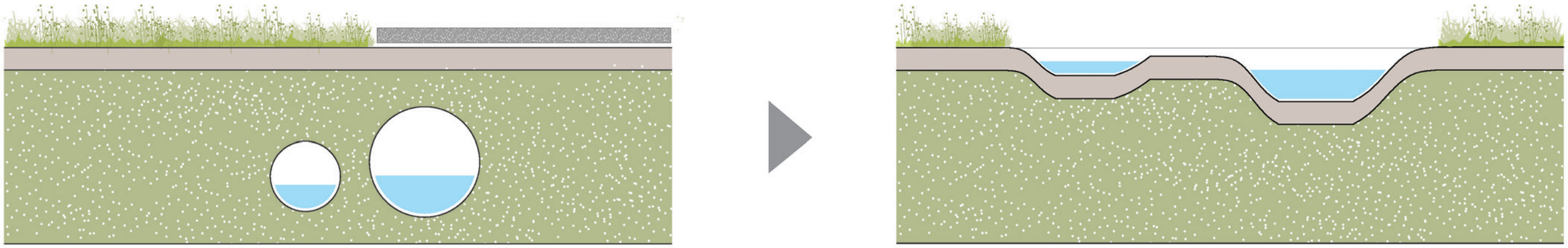


LIMITED AREAS



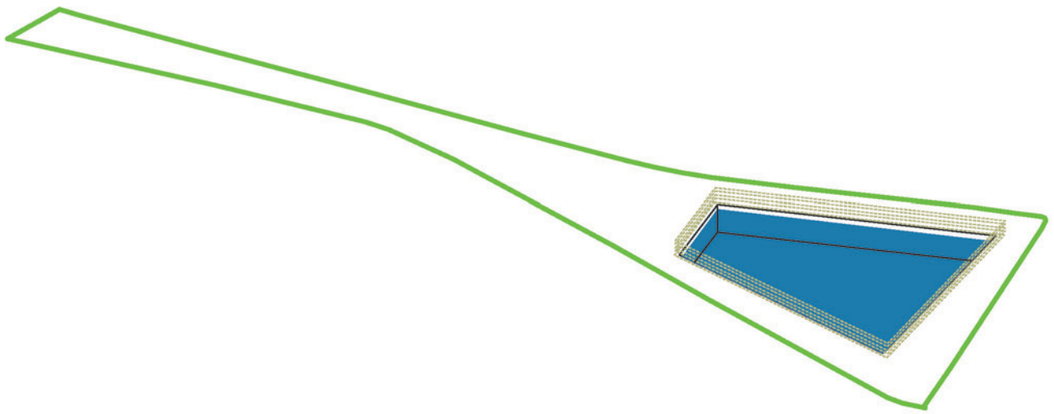
KILEN_WATERPLUS_SOLRØD

INNOVATE

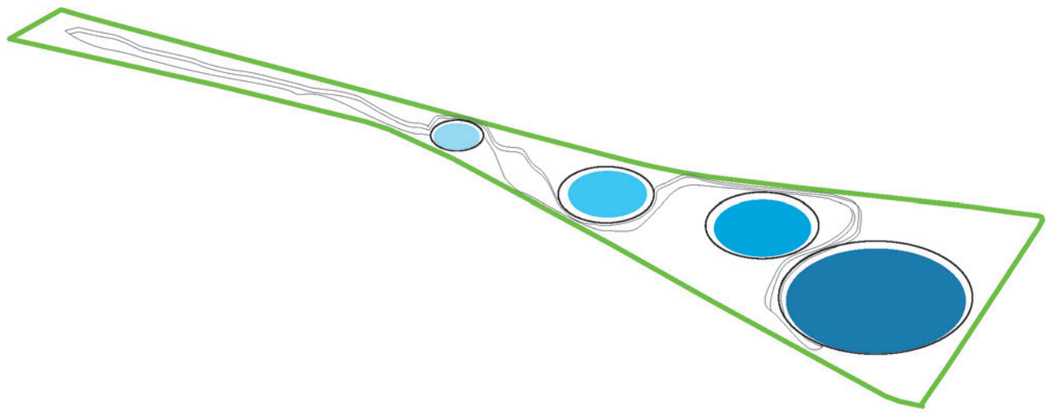


WATER AS POTENTIALE

FROM TECHNICAL FACILITY



TO ACTIVE ADVENTURE PARK.

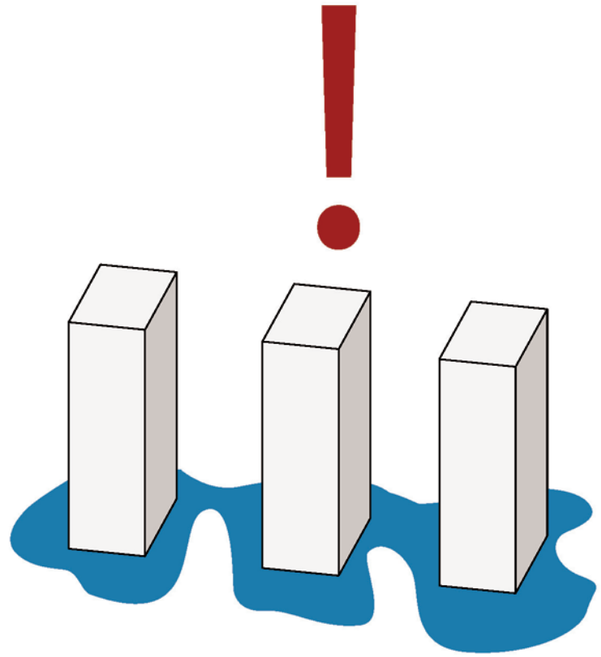


KILEN_WATERPLUS_SOLRØD

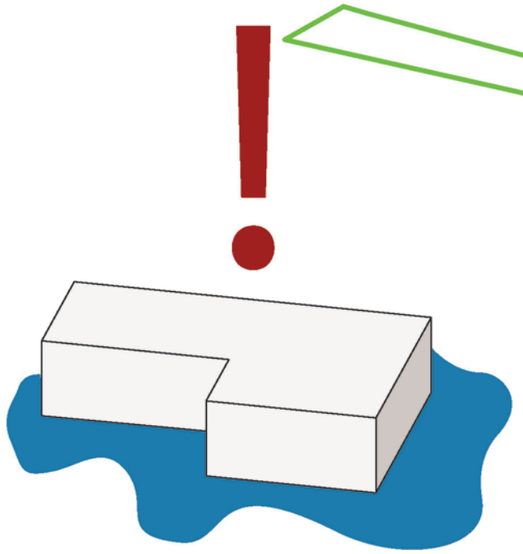
KILEN_WATERPLUS_SOLRØD

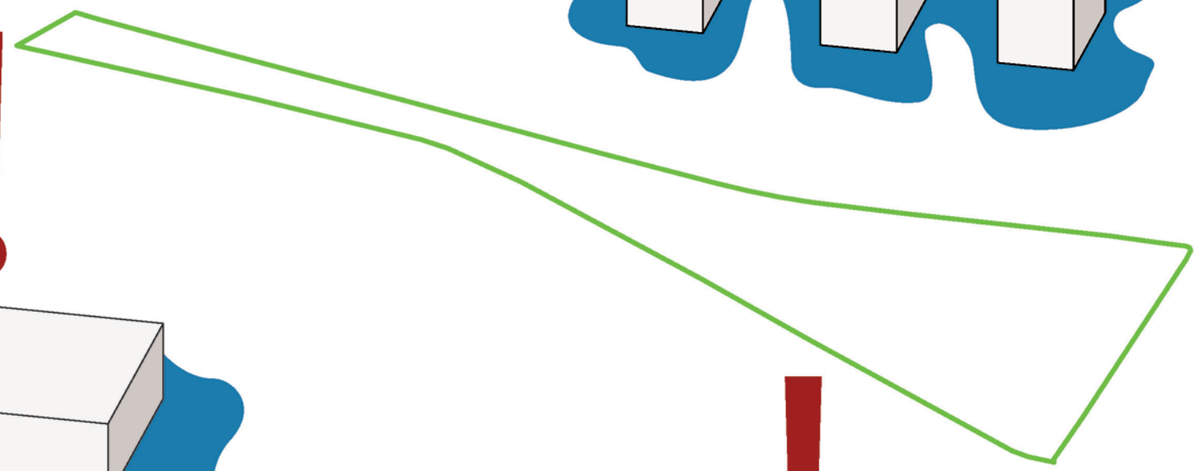
CHALLENGES

HOUSING HAVING PROBLEMS WITH FLOODING!

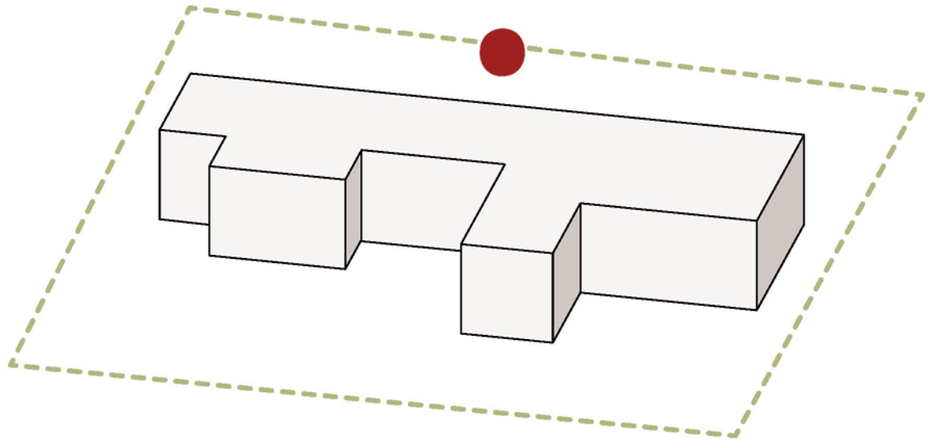


HOUSING HAVING PROBLEMS WITH FLOODING!



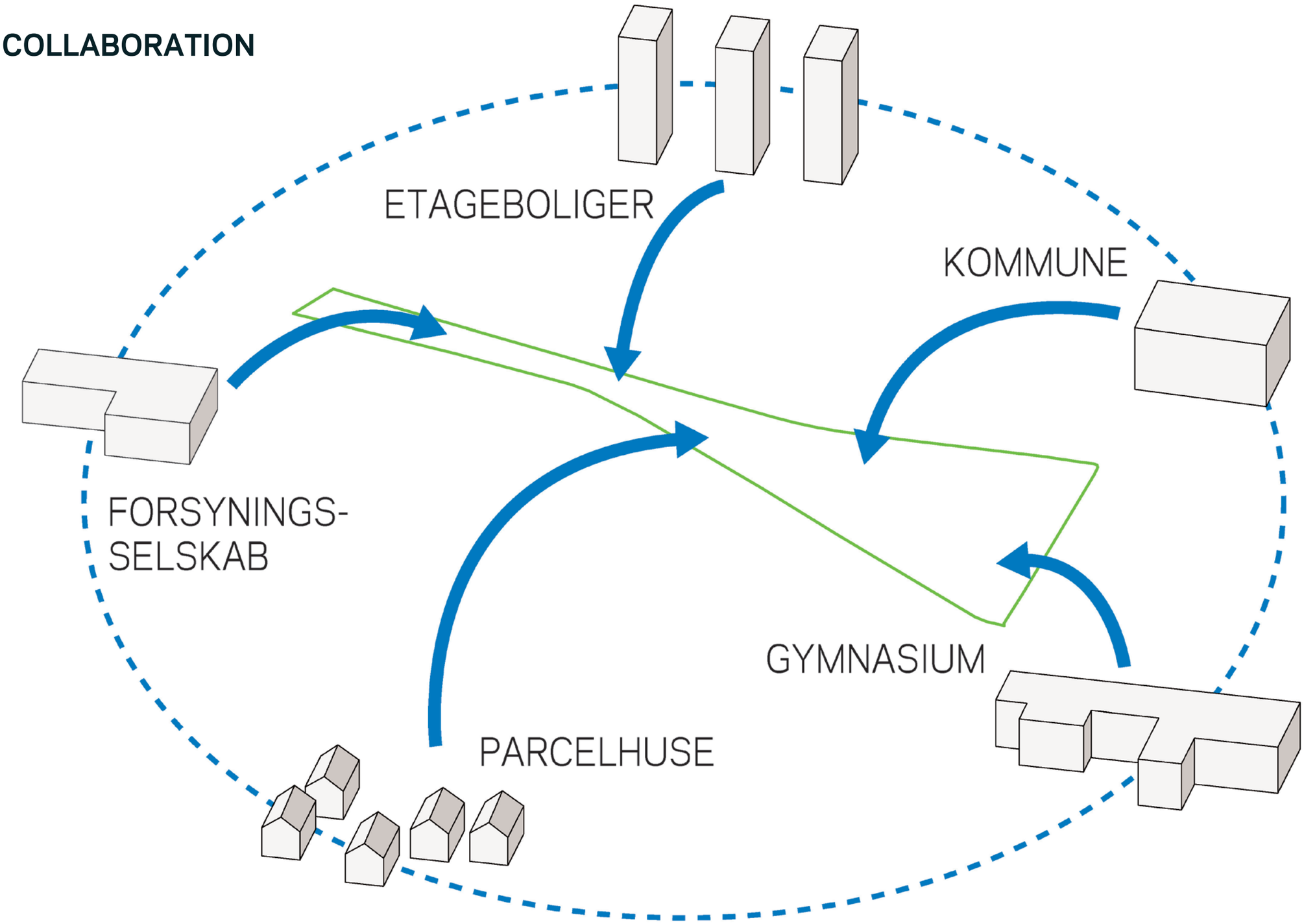


THE CITY LACKS URBAN ACTIVE POSSIBILITIES
+
GYMNASIUM LACK OUTDOOR AREAS



KILEN_WATERPLUS_SOLRØD

COLLABORATION



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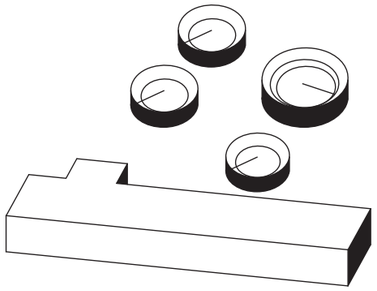
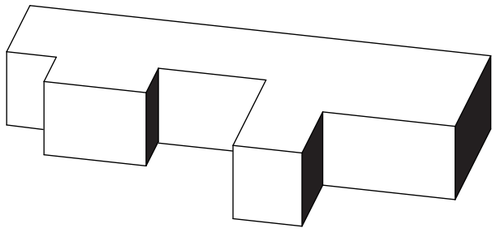
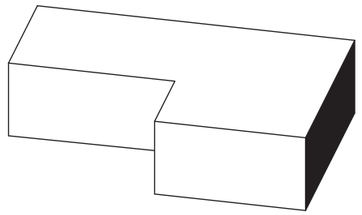


GREVE SOLRØD FORSYNING



SOLRØD GYMNASIUM



SOLRØD KOMMUNE

VAND**PLUS**

Realdania, Lokale- og anlægsfonden, Naturstyrelsen

ACTIVE CITY TRANSFORMATION

Kreativ rådgiver – konceptudvikling og illustrationer

RAMBØLL

Teknisk rådgiver – hydrauliske beregninger

BORGERGRUPPE

Beboerrepræsentanter fra boligområder beliggende i nærheden af KILEN. (Input i form af lokal kendskab, bekymringer, behov og ønsker.)

FØLGEGRUPPE

Medarbejdere fra Greve Solrød Forsyning,
Solrød Gymnasium og Solrød Kommune (Teknik og Miljø, Kultur og Fritid, Sundhedsområdet, Skoleområdet) (yderligere input om ønsker og behov fra kommunens borgere og brugere.)

SOLRØD BYRÅD

Politiske beslutninger

PROJEKTGRUPPE

Medarbejdere fra Greve Solrød Forsyning (klimatilpasning, hydrauliske beregninger),
Solrød Gymnasium (input til undervisningsfaciliteter i området idræt/naturvidenskab) og Solrød Kommune (Teknik og Miljø) (byrum, klimatilpasning, vandløb)

STYREGRUPPE

Greve Solrød Forsynings direktør,
Solrød Gymnasiums rektor,
Solrød Kommunes tekniske chef + ledere inden for teknik og miljø.

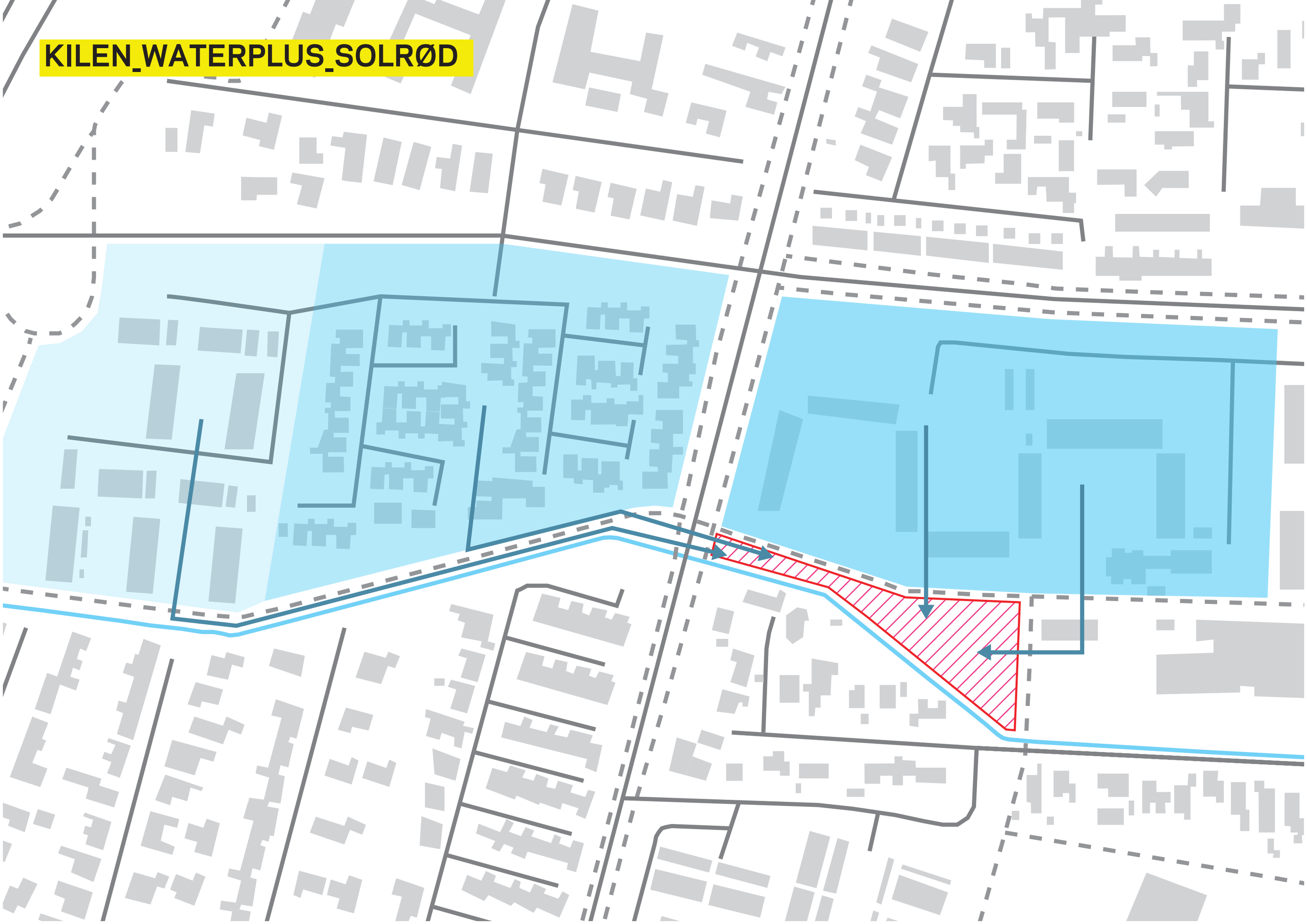
VAND**PLUS** ADVISORY

Har bidraget til at rette fokus med at udnyttet projektets potentialer bedst muligt

BORGERE der deltog i åbent hus ARRANGEMENT om KILEN

Borgere, der bidrog aktivt med kommentarer, bekymringer og forslag til projektet

KILEN_WATERPLUS_SOLRØD



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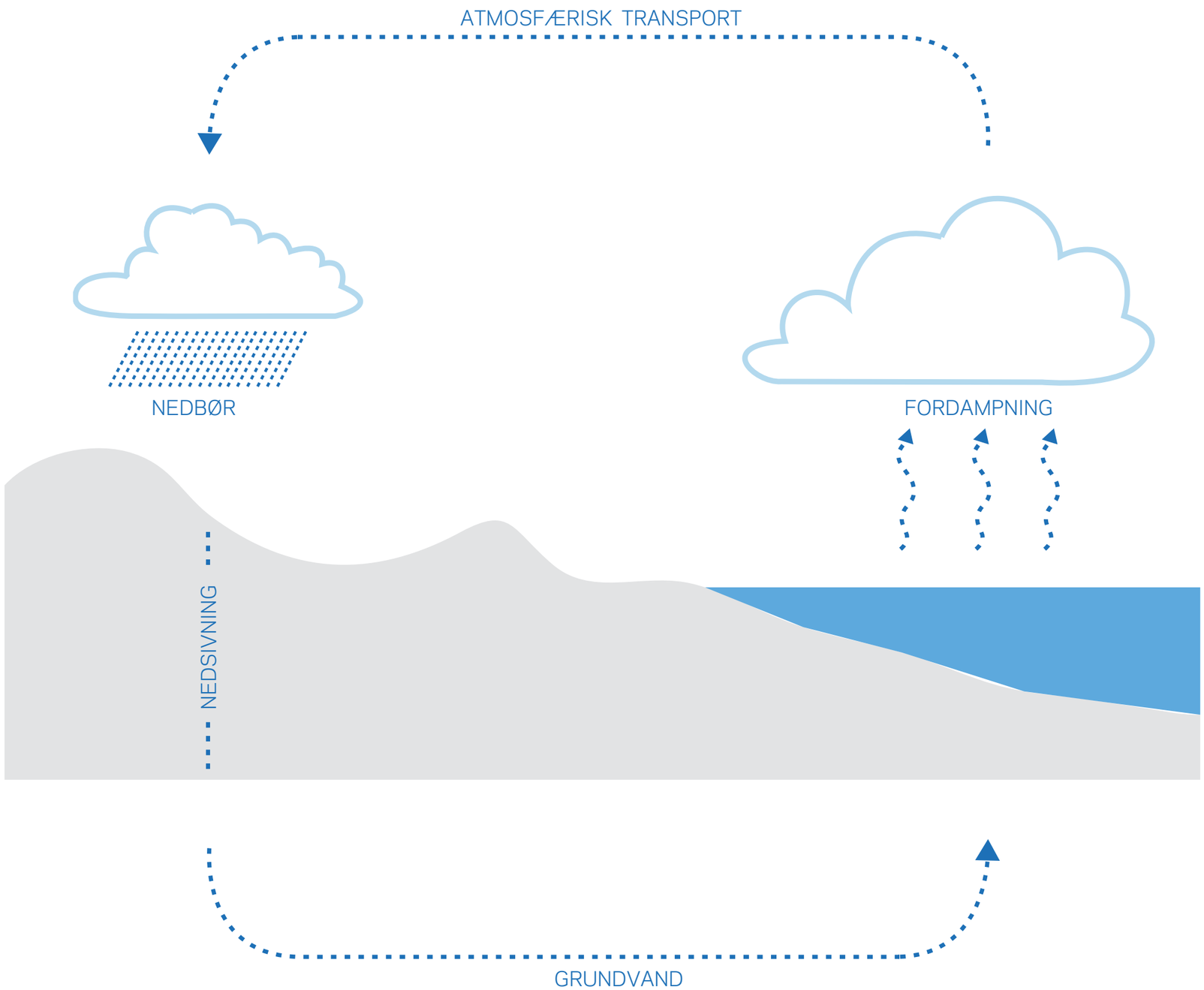

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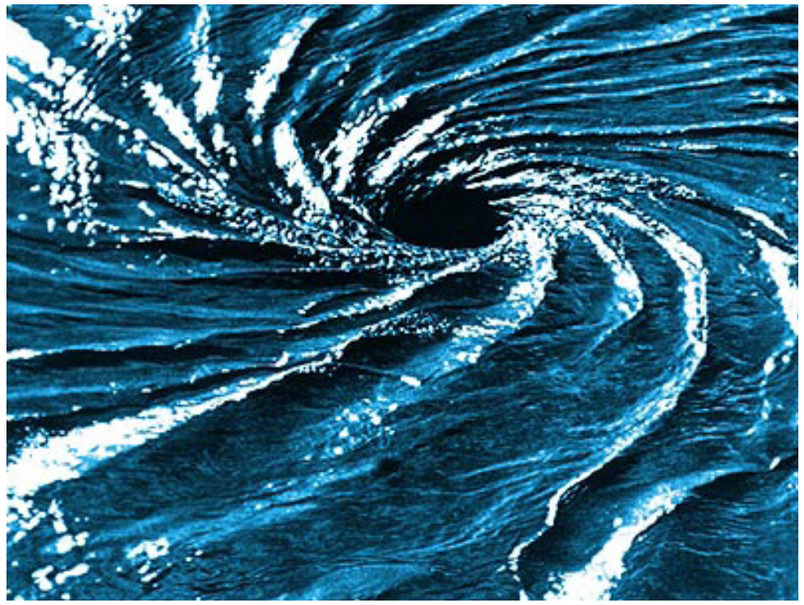

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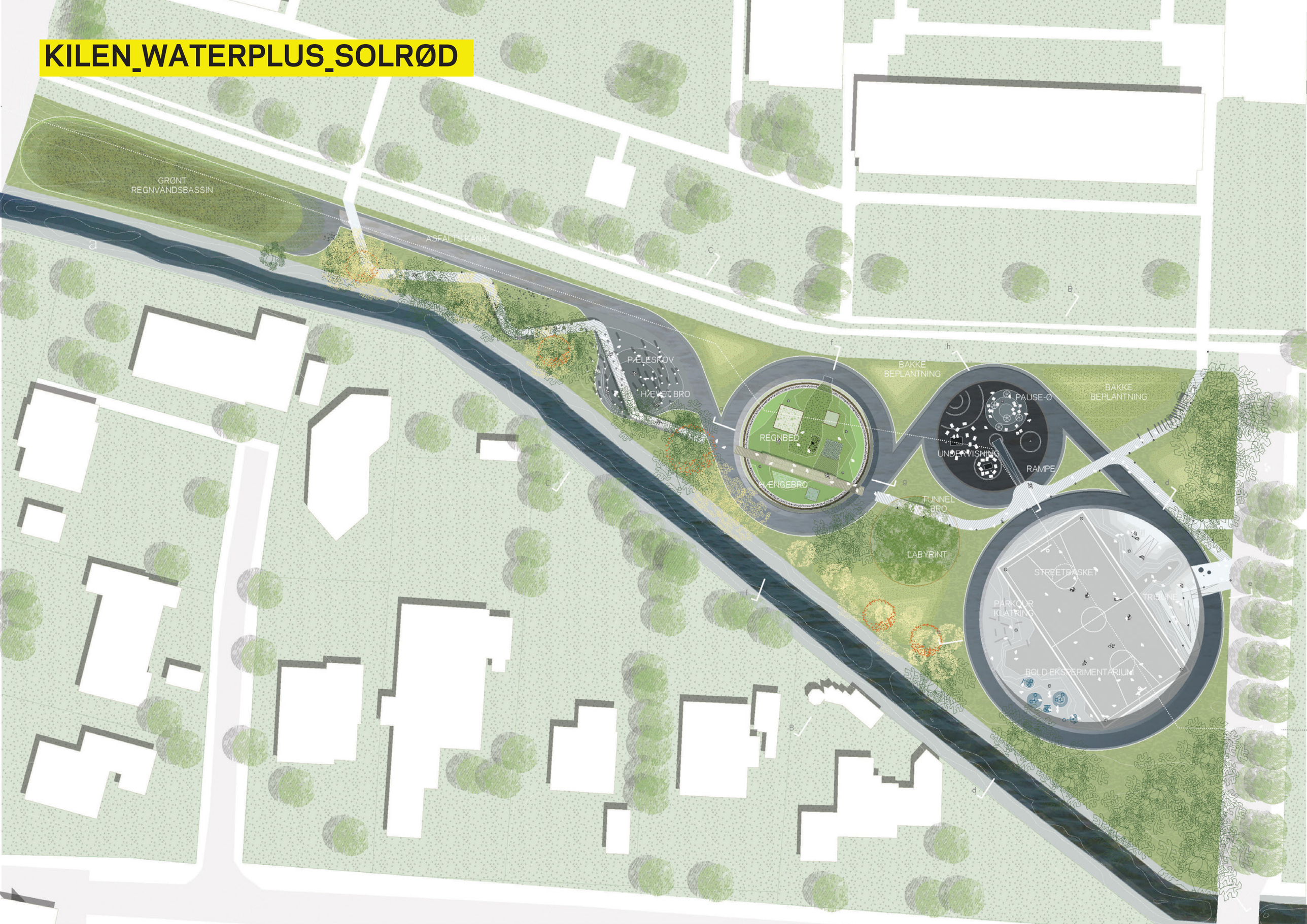

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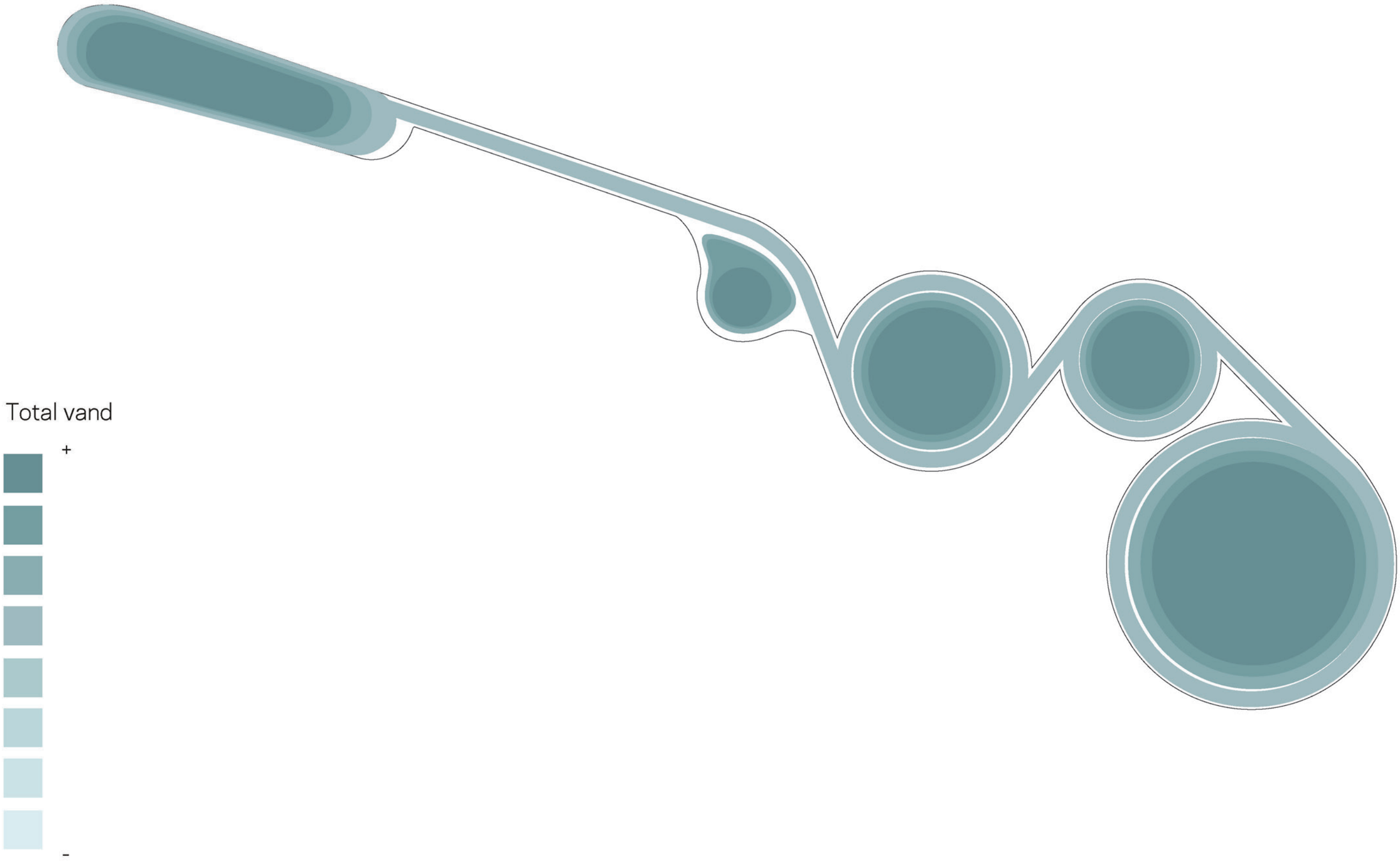

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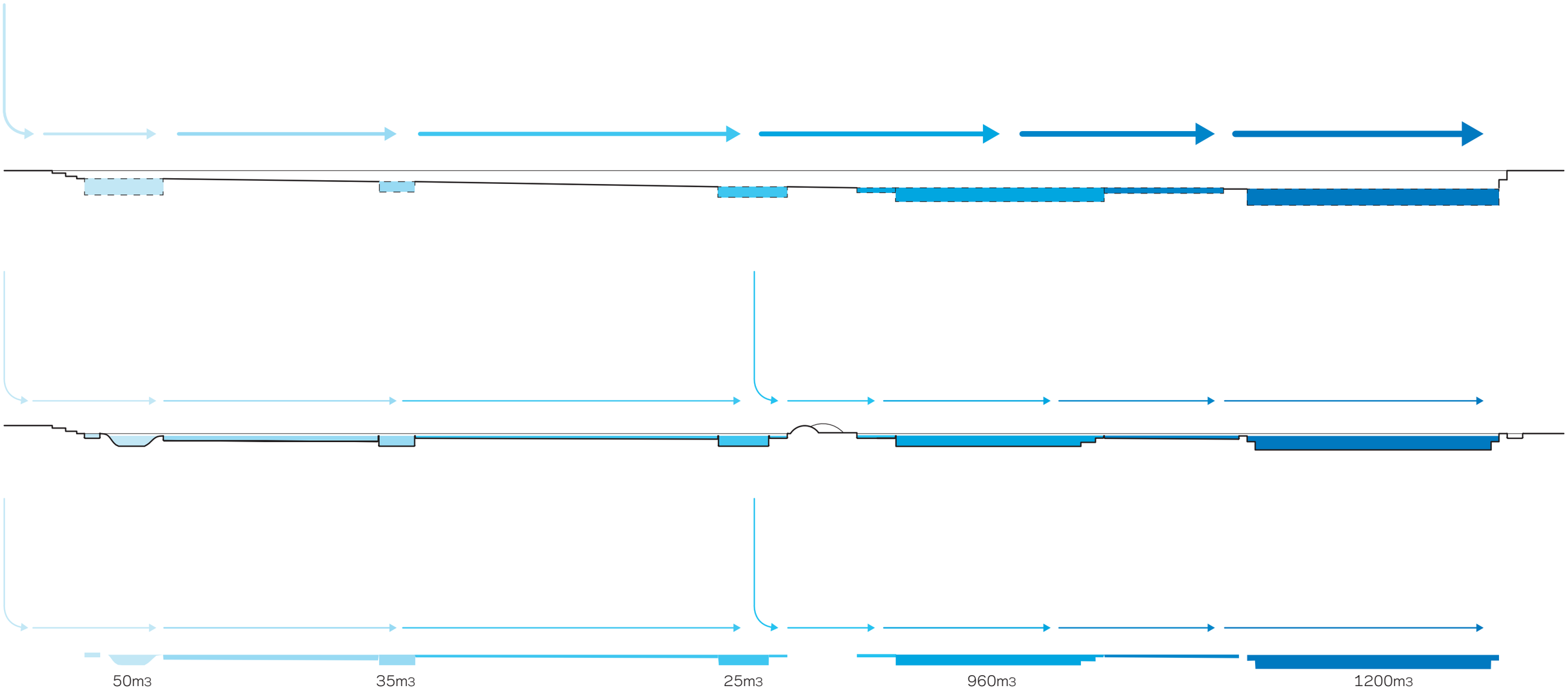

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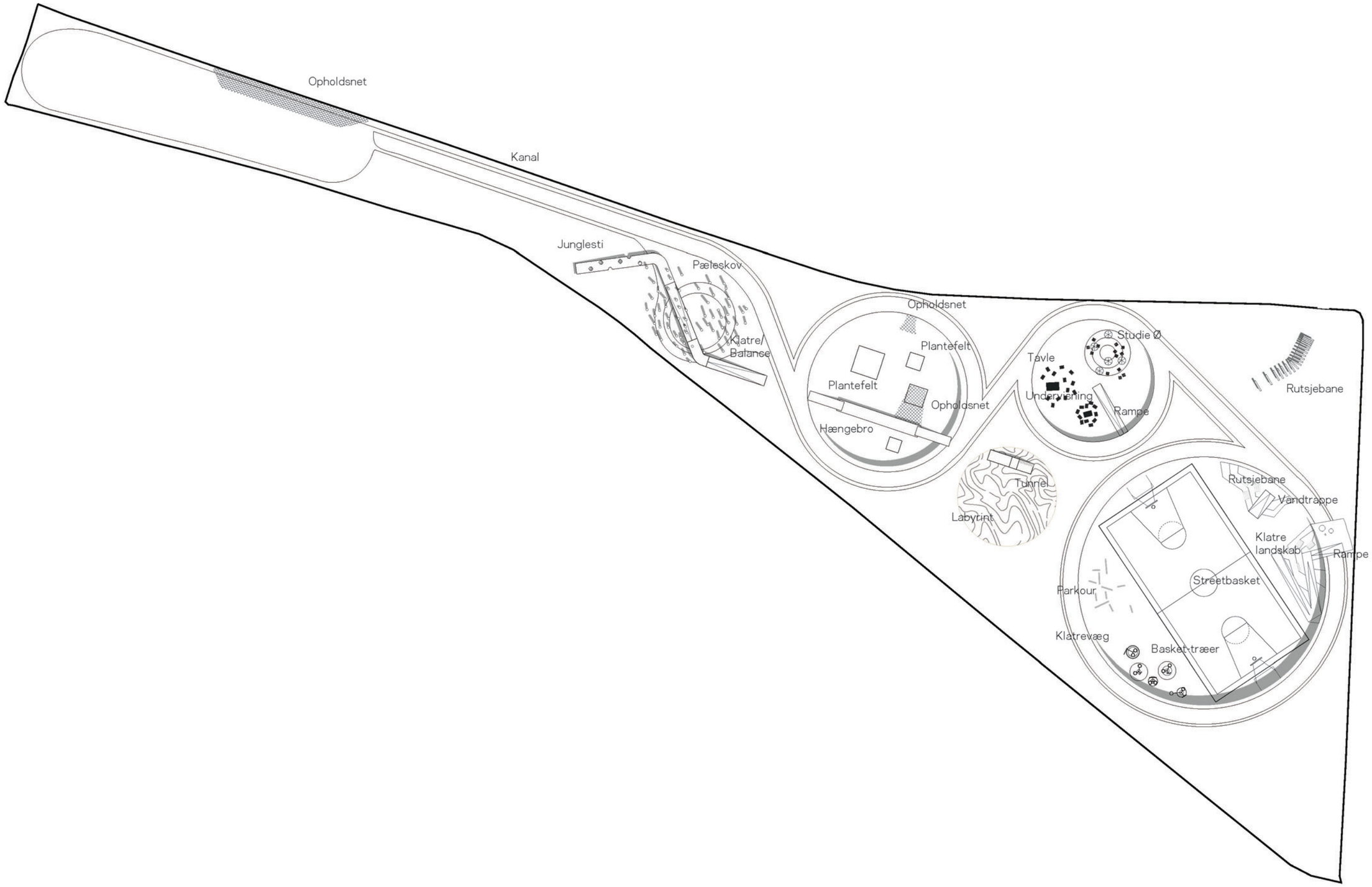

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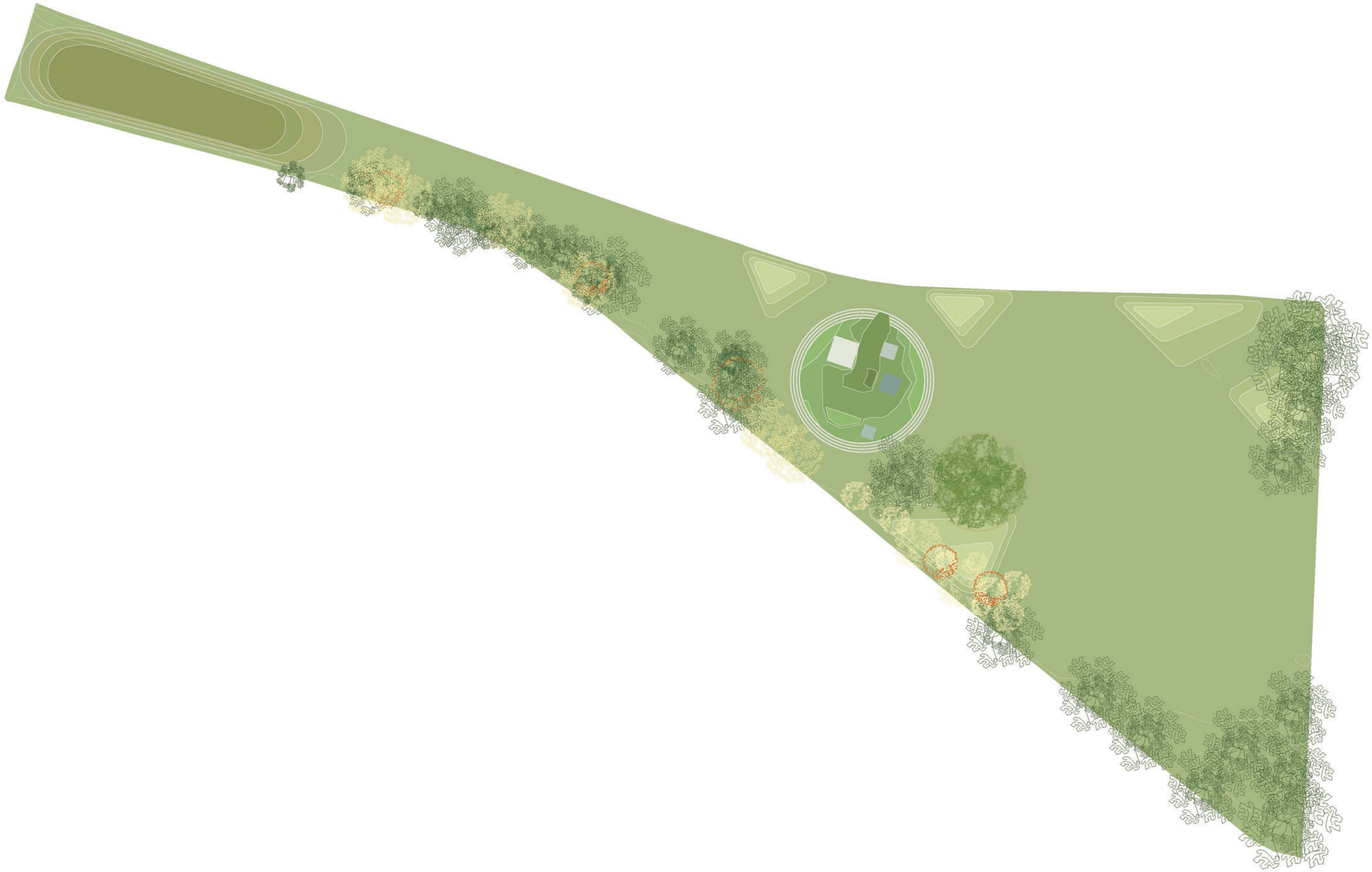

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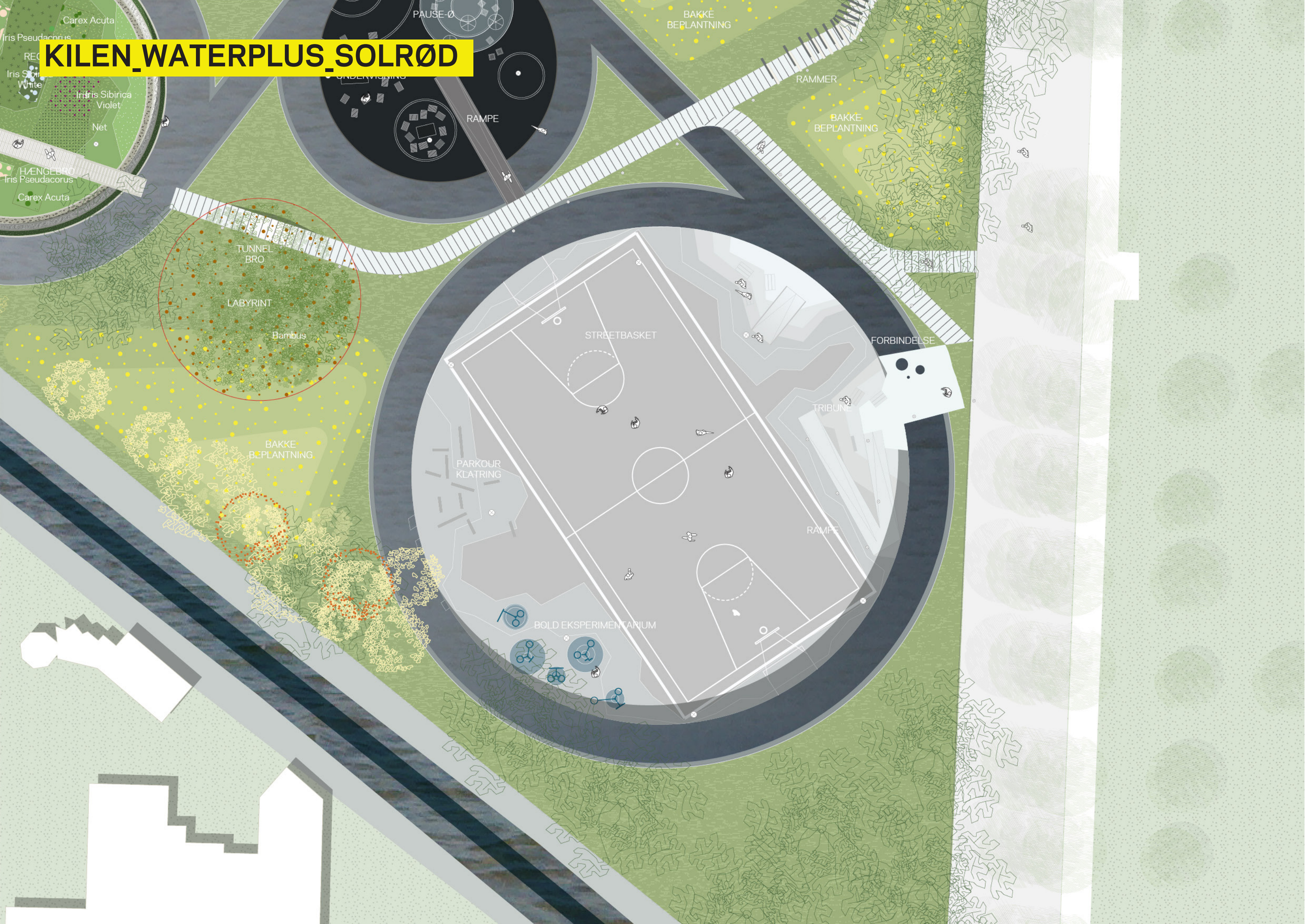

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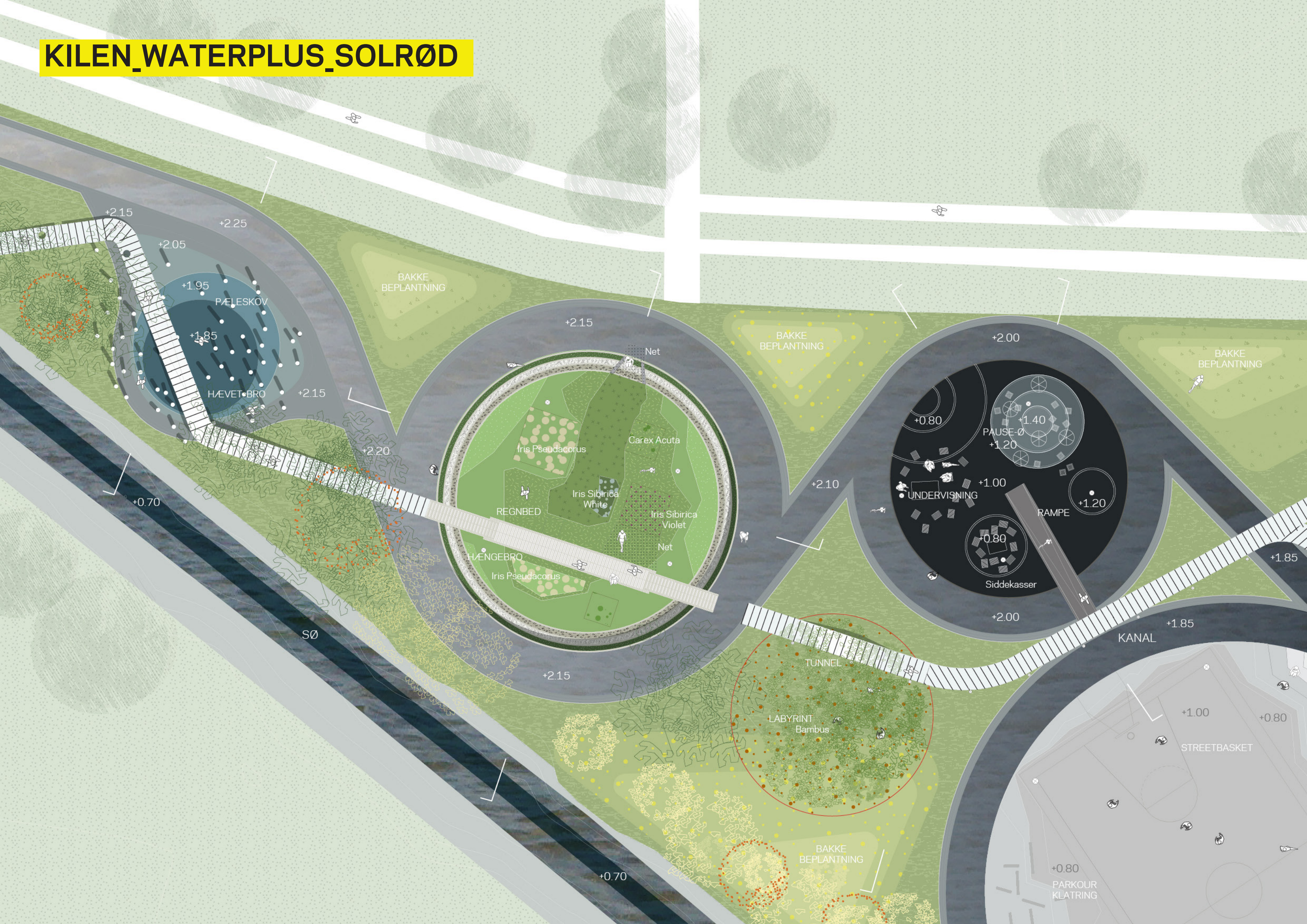

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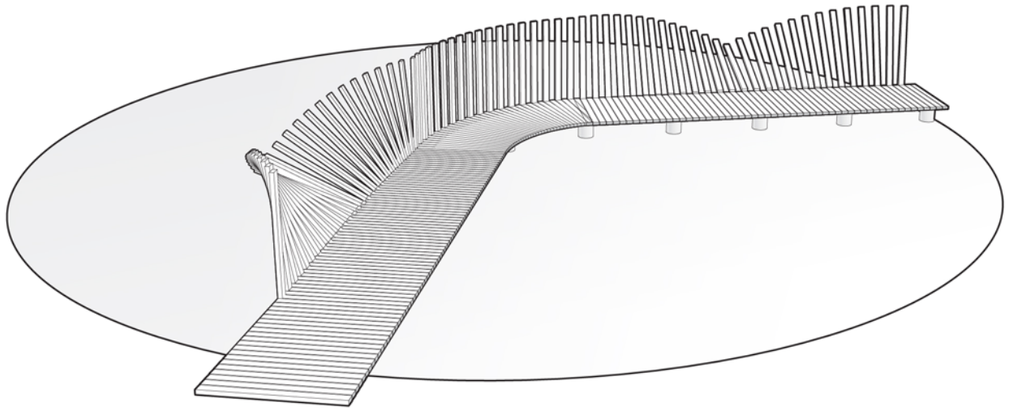
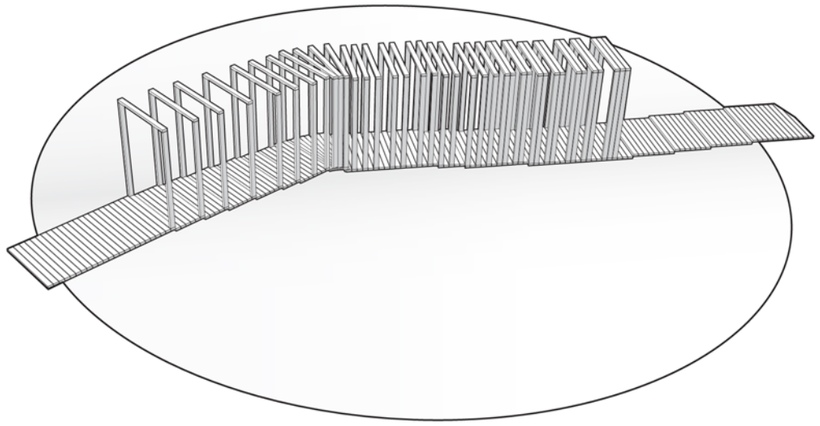
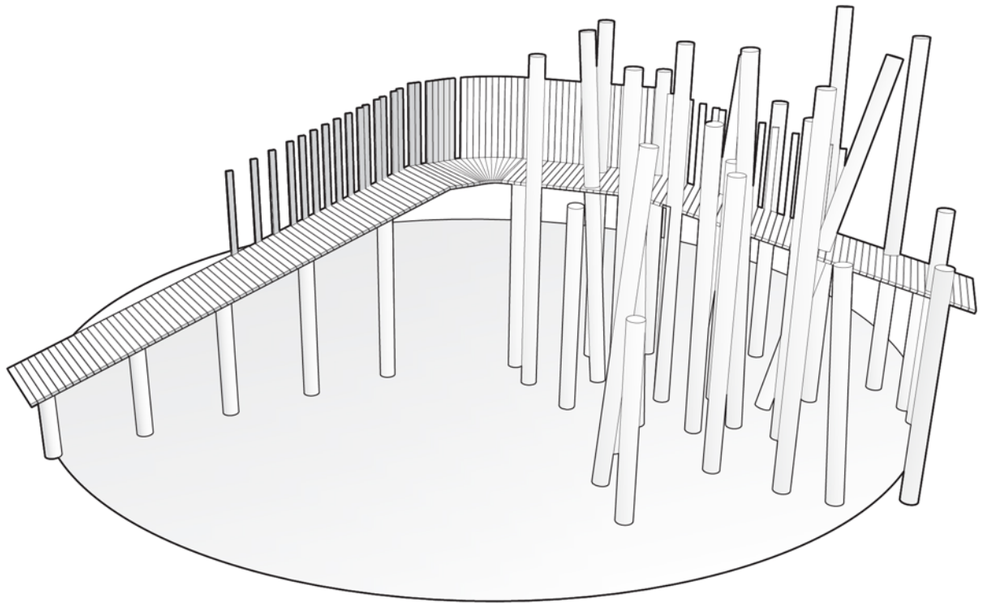


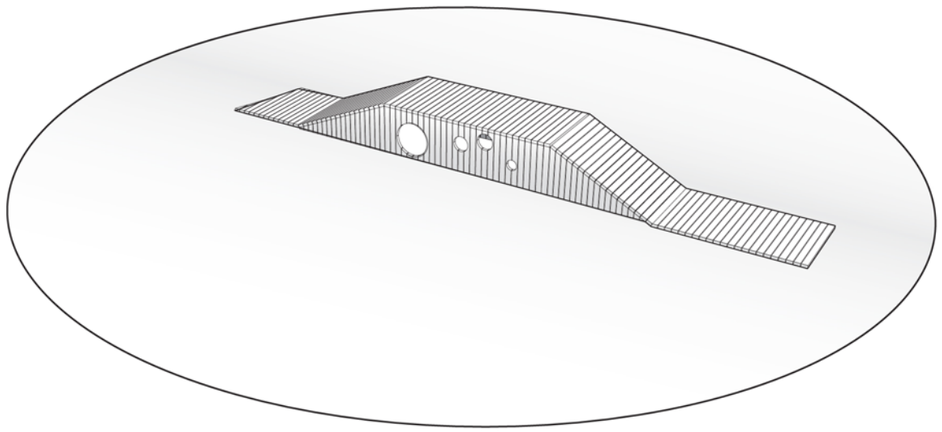
Afskærmende gelæander på stiforløb tættest på naboer



Rammer ved stiforløbets begyndelse



Hævet stiforløb i Pæleskoven



Hævet stiforløb med tværgående tunnel

KILEN_WATERPLUS_SOLRØD

TRIPPEL UDNYTTELSE AF AREALERNE FOR AT DÆKKE FREMTIDSBEHOV

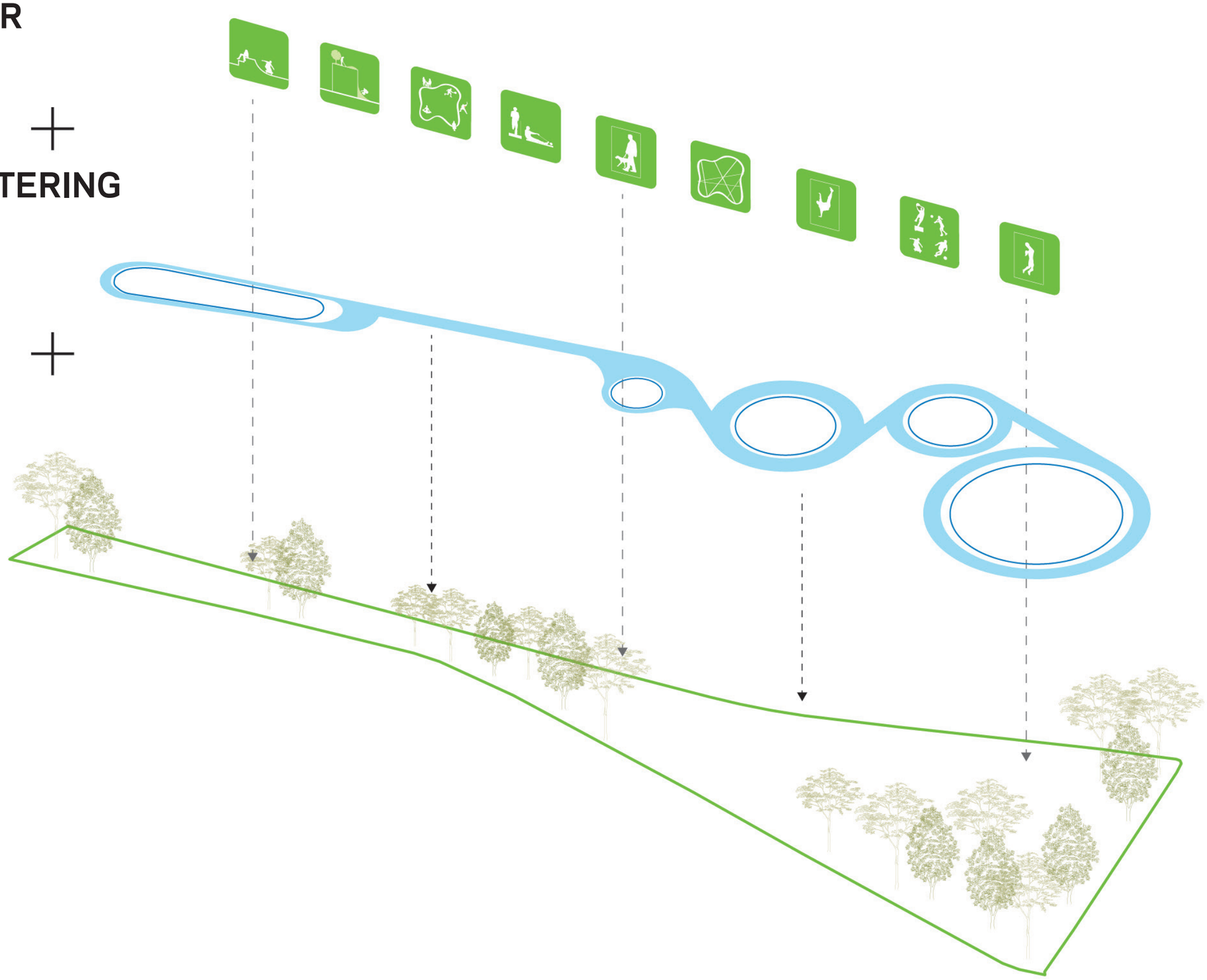
AKTIVITETER

+

VANDHÅNDTERING

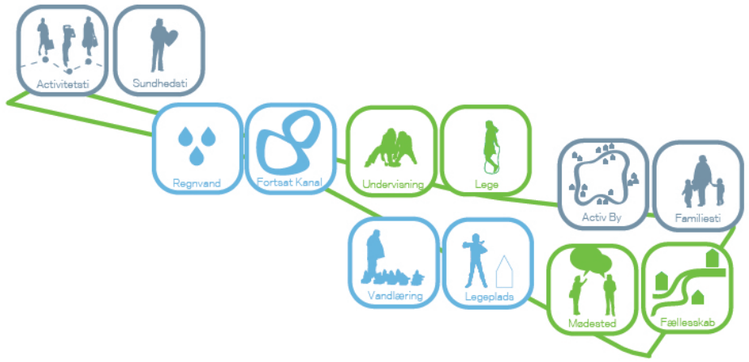
+

PARK



KILEN_WATERPLUS_SOLRØD

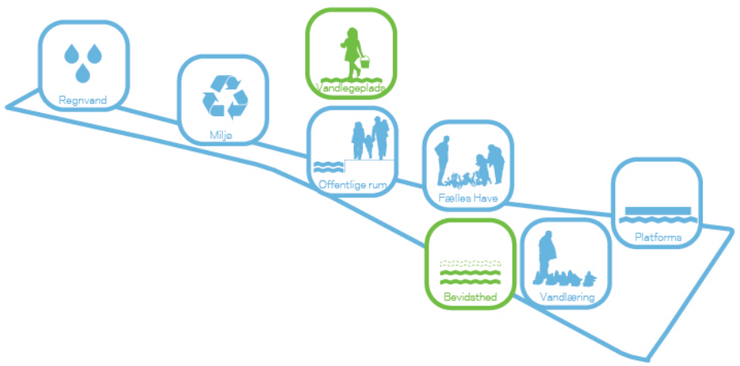
VANDPLUS PROJEKT



BYRUM 2 MIO.
VANDPROJEKT 14 MIO.

16 MILLIONER KRONER

TRADITIONELT PROJEKT



BYRUM 12 MIO.
UNDERVISNING 3 MIO.
VANDPROJEKT 14 MIO.

29 MILLIONER KRONER

KOMBINERET ANLÆG

BYRUM 2 MIO.
VANDPROJEKT 14VMIO.

16 MILLIONER KRONER

2 X FUNKTION
2 X AKTIVITET
2 X AREAL

ADDED-VALUE DESIGN#2

STREET PARK_ SCANDIAGADE

STREET PARK_COPENHAGEN

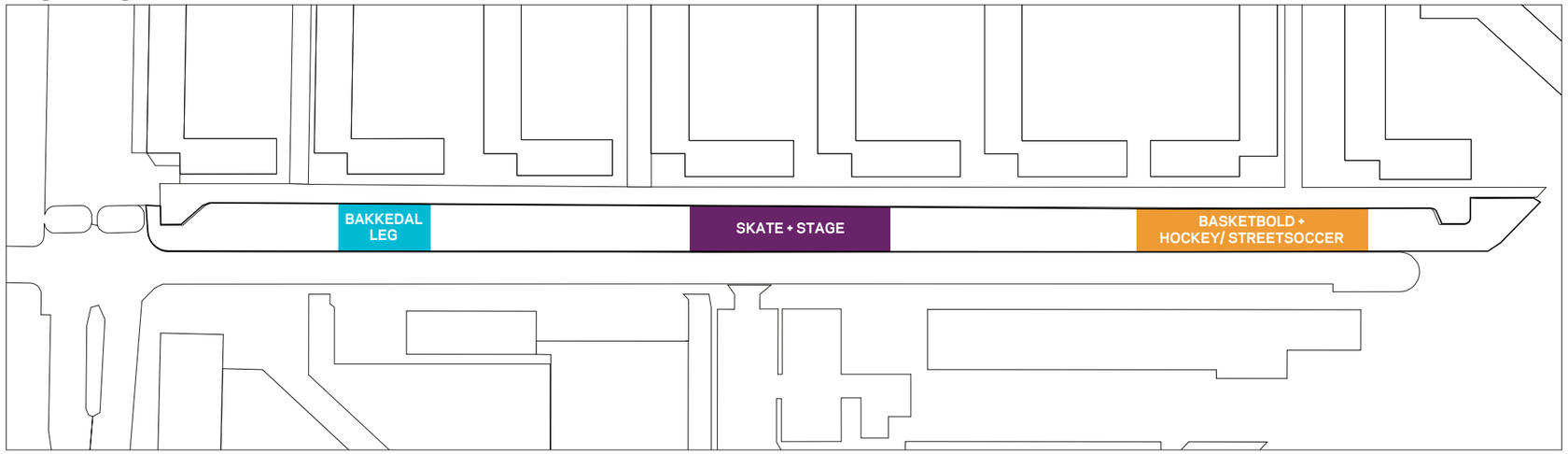
200m

50m

STREET PARK_COPENHAGEN

STREET PARK_COPENHAGEN

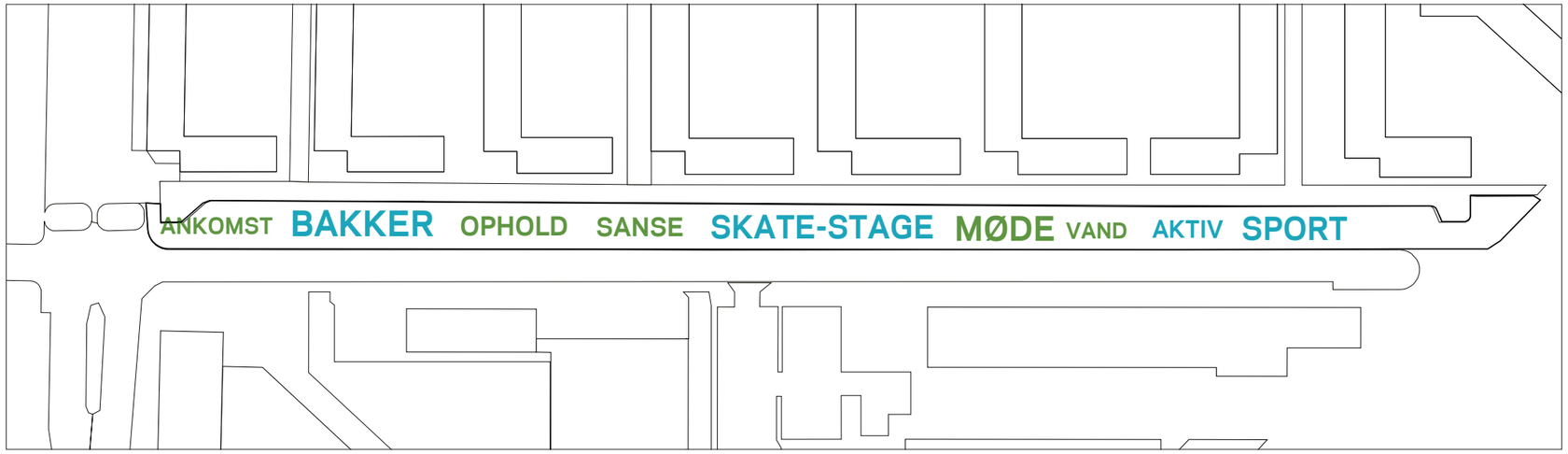
ZONES



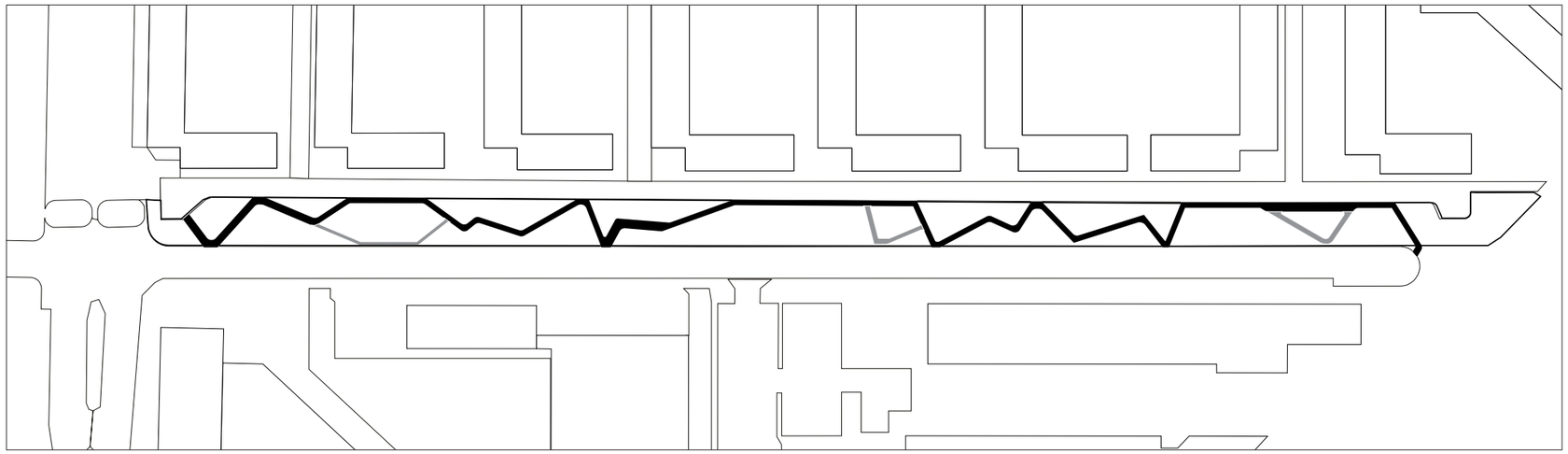
GREEN STRUCTURE

STREET PARK_COPENHAGEN

MAIN PROGRAMS



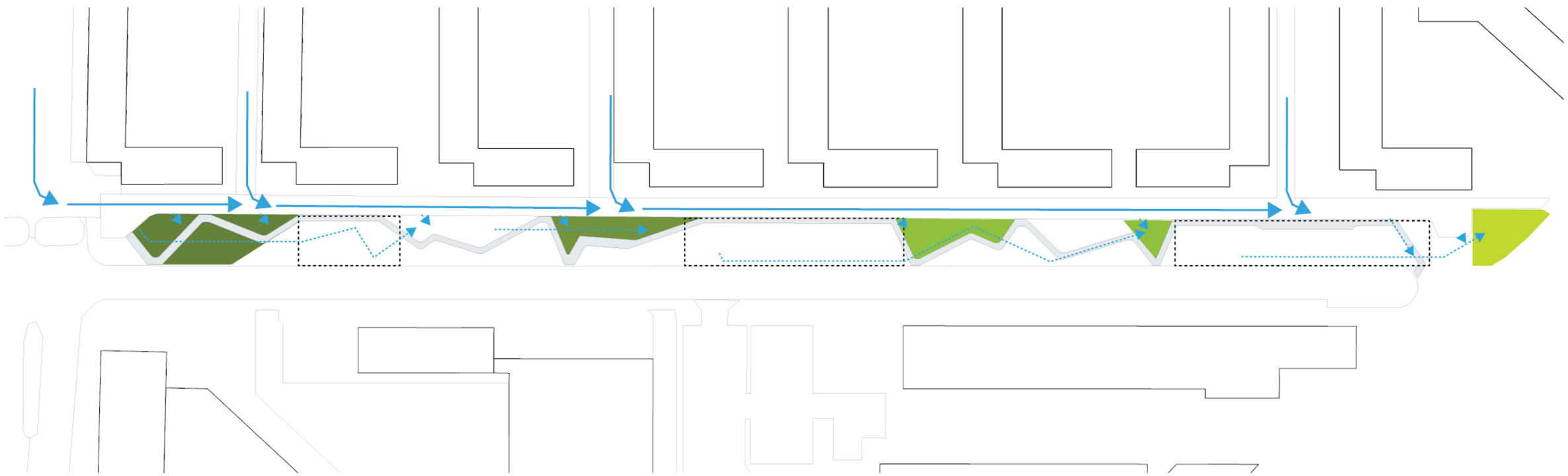
PATH



STREET PARK_COPENHAGEN

STREET PARK_COPENHAGEN

RAINWATER MANAGEMENT



1
BIOSWALE,
BEHANDLING

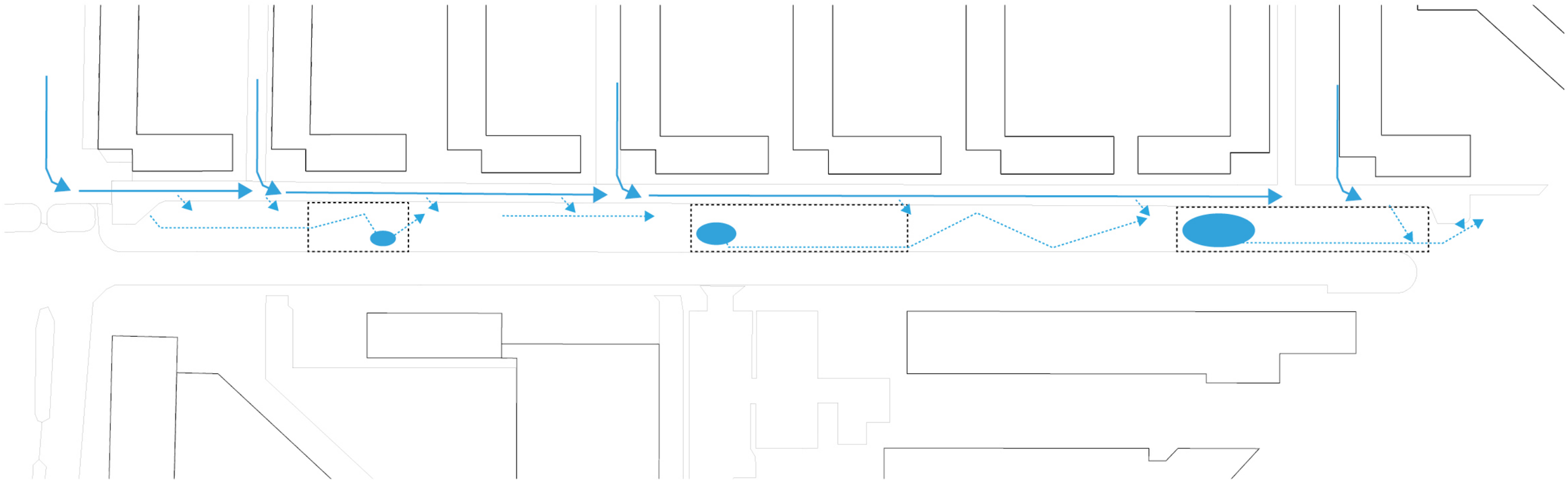
2
REGNBED, PLANTER OG GRUS
FORSINKELSES OG INFILTRATION

3
VANDLØB, REGNBED OG PLANTER,
FORSINKELSES OG BEHANDLING

4
GRUS,SIV OG NEDLØB
INFILTRATION

STREET PARK_COPENHAGEN

RAINWATER COLLECTION



1
FORSINKELSESBASSIN
BAKKELANDSKAB

2
FORSINKELSESBASSIN
SKATEPOOL

3
FORSINKELSESBASSIN
BOLDOMRÅDET

STREET PARK_COPENHAGEN

ACTIVITIES

STREET PARK_COPENHAGEN

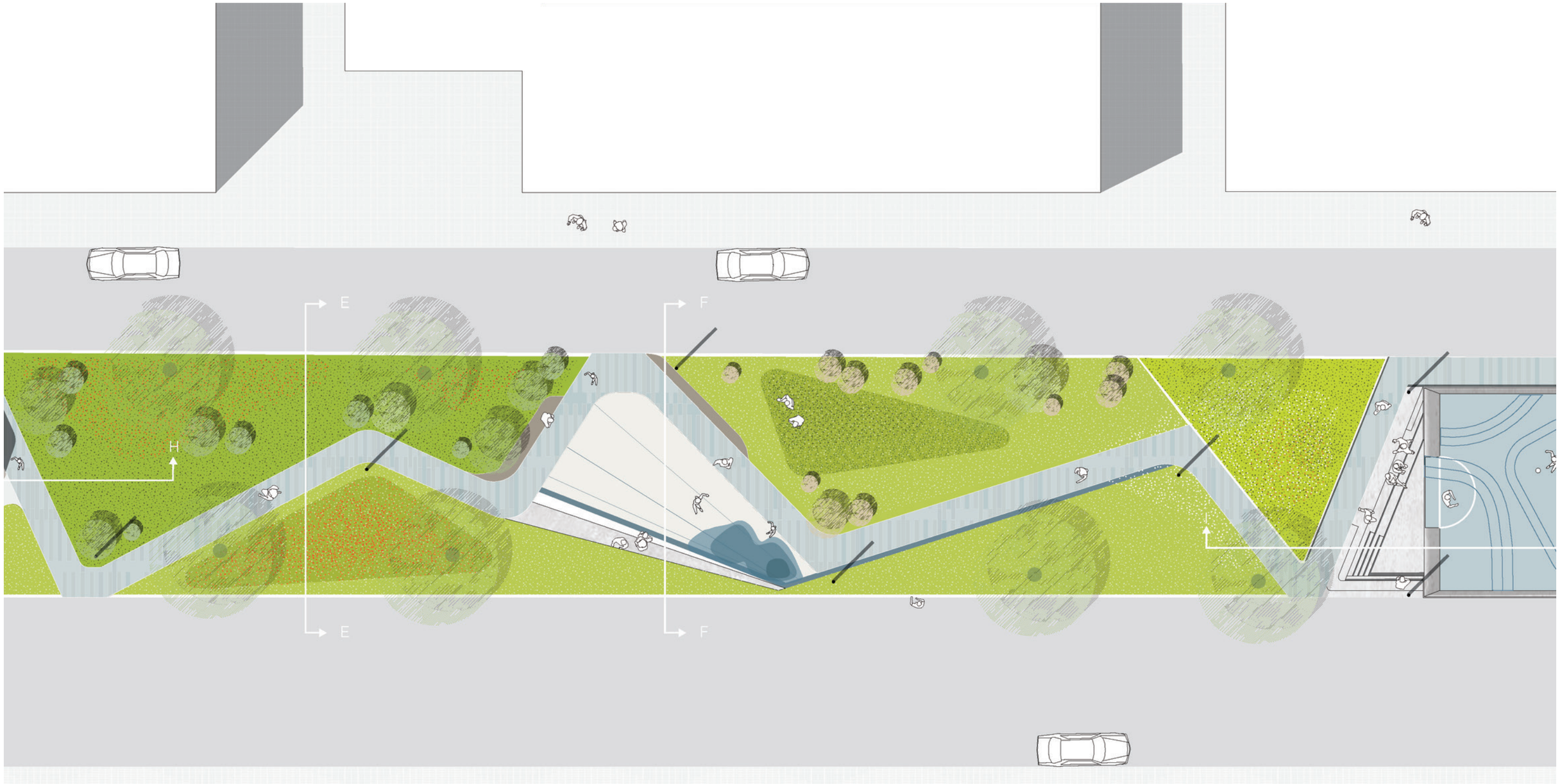
PLANTING

STREET PARK_COPENHAGEN

STREET PARK_COPENHAGEN

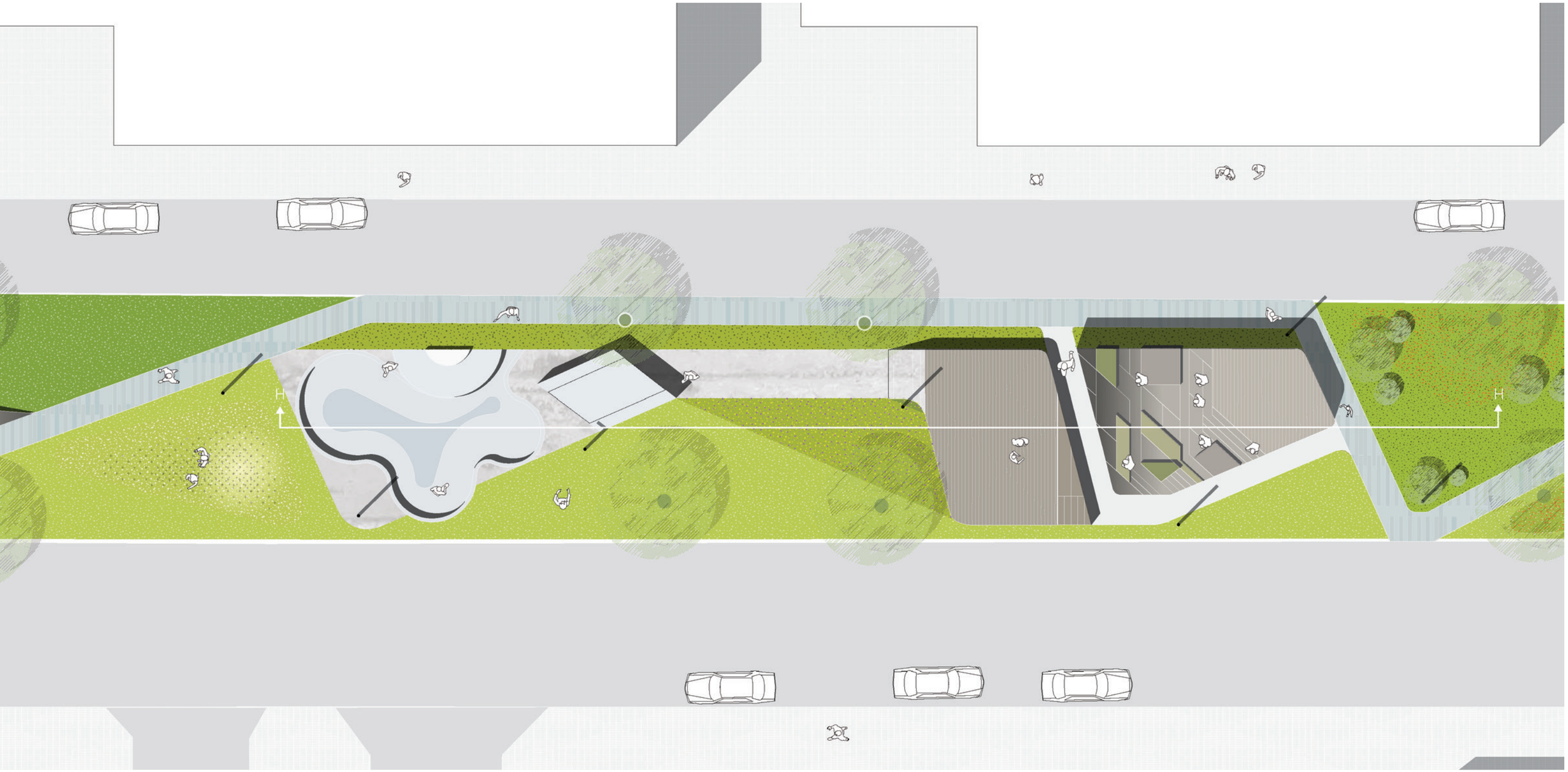
STREET PARK_COPENHAGEN

STREET PARK_COPENHAGEN



STREET PARK_COPENHAGEN

STREET PARK_COPENHAGEN



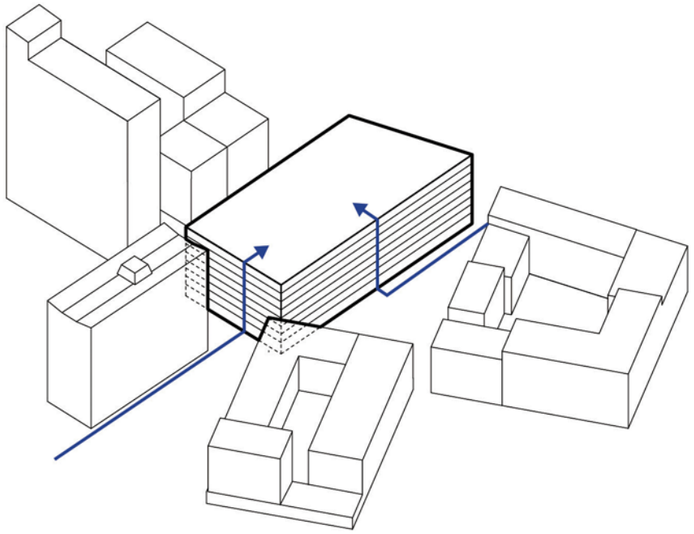
STREET PARK_COPENHAGEN

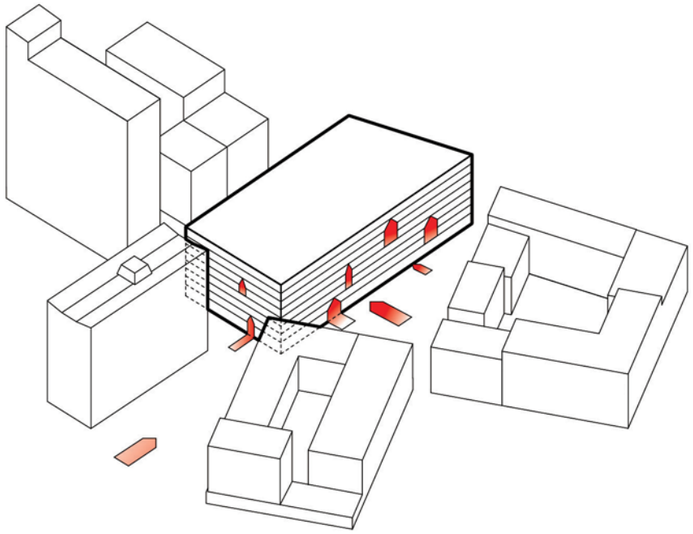
STREET PARK_COPENHAGEN

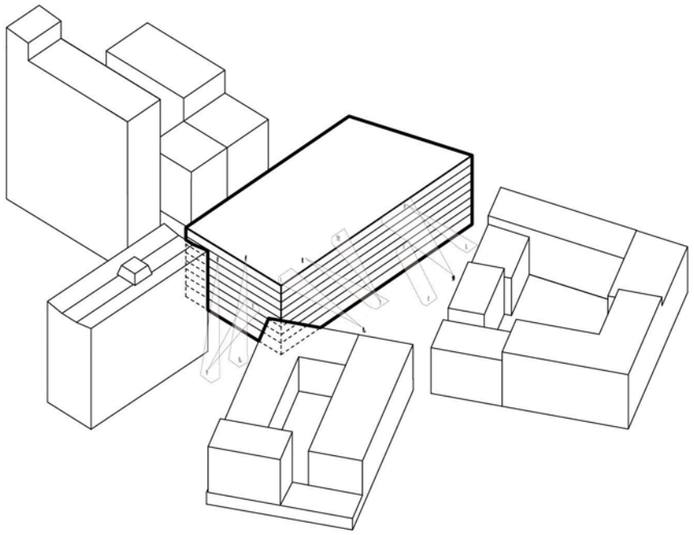
ADDED-VALUE DESIGN#3

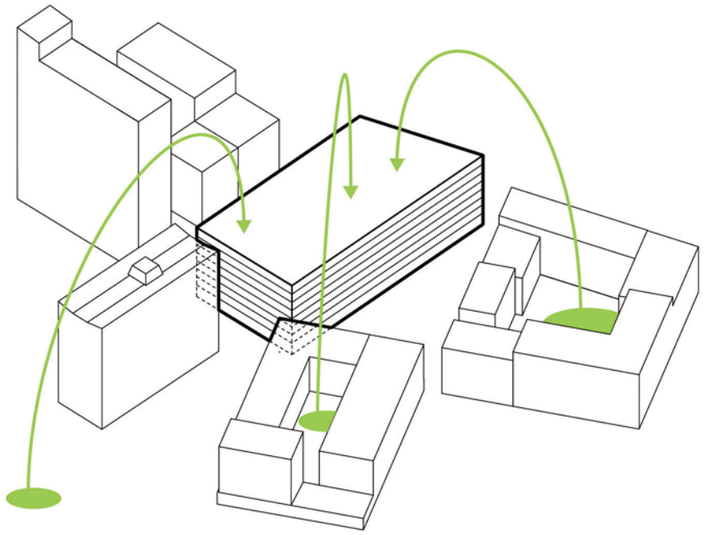
PARK ´N PLAY

PARK N´PLAY_ COPENHAGEN

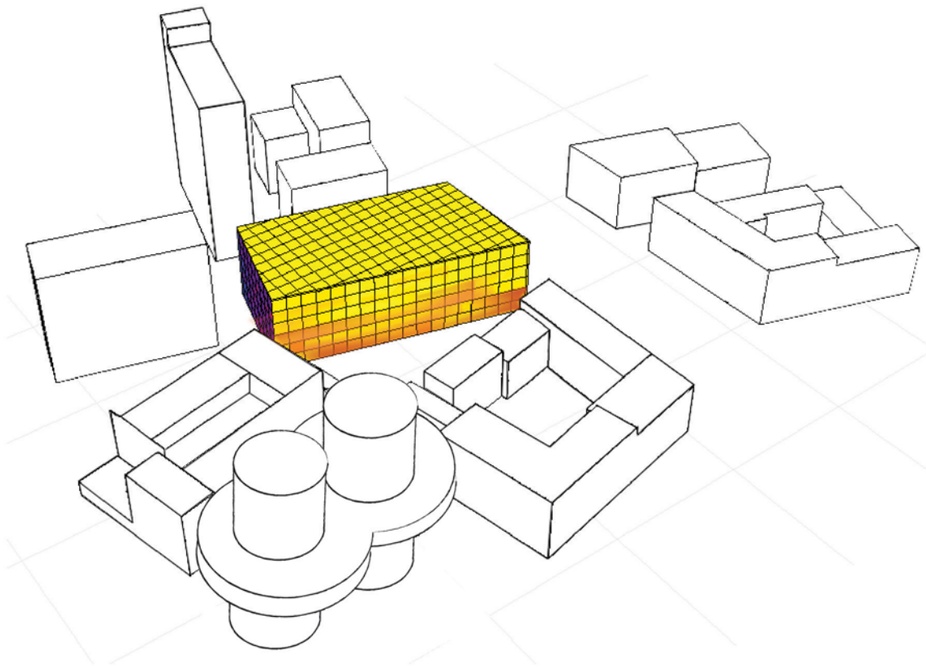


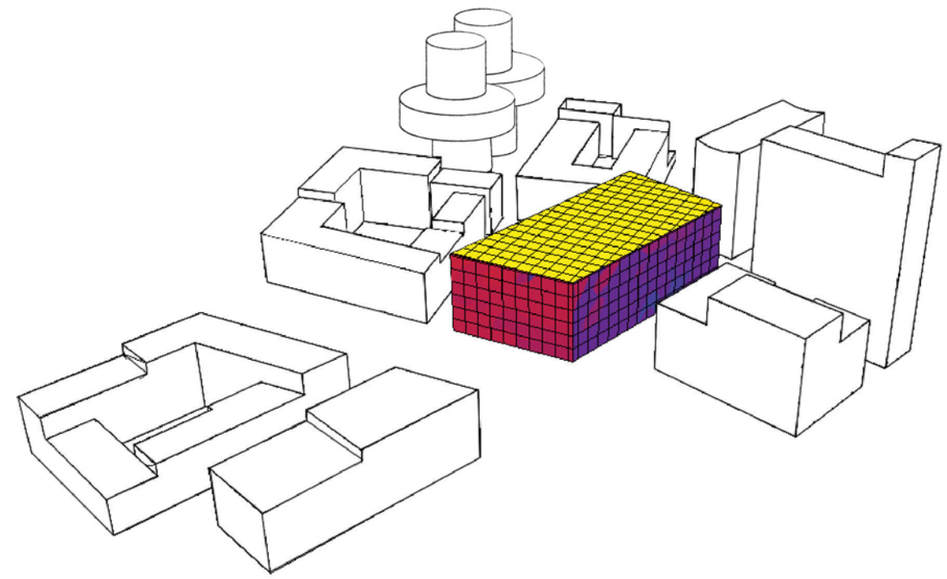


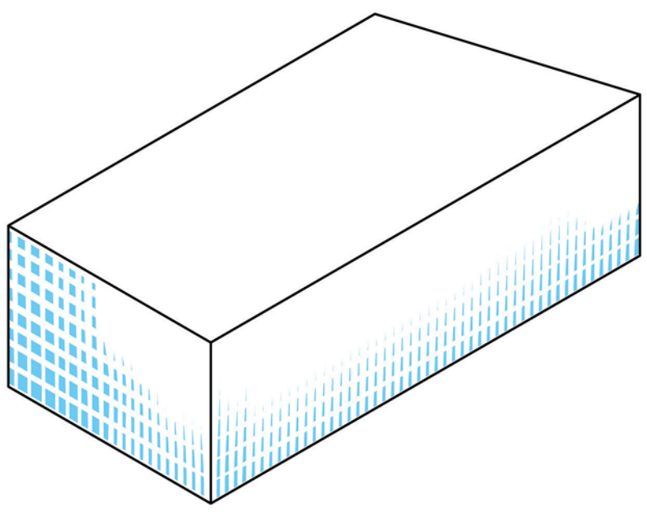


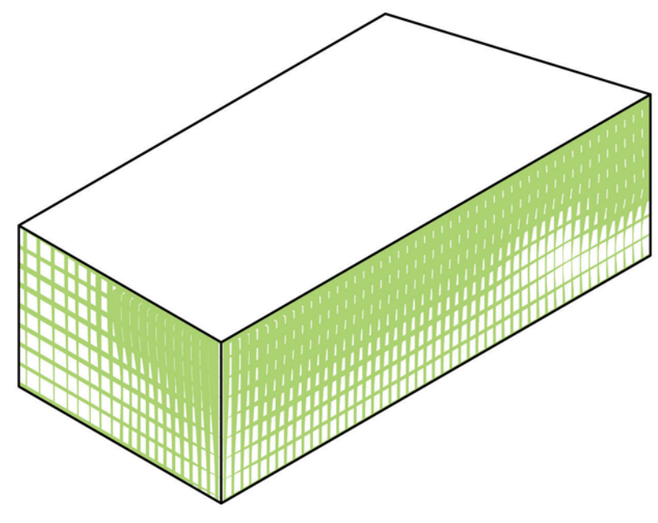


PARK N´PLAY_ COPENHAGEN









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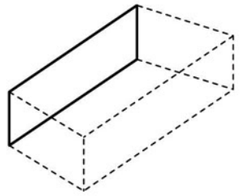

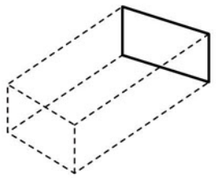

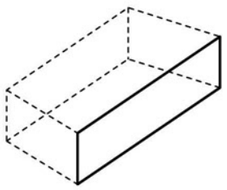

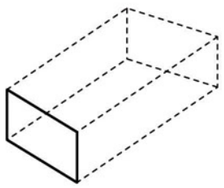

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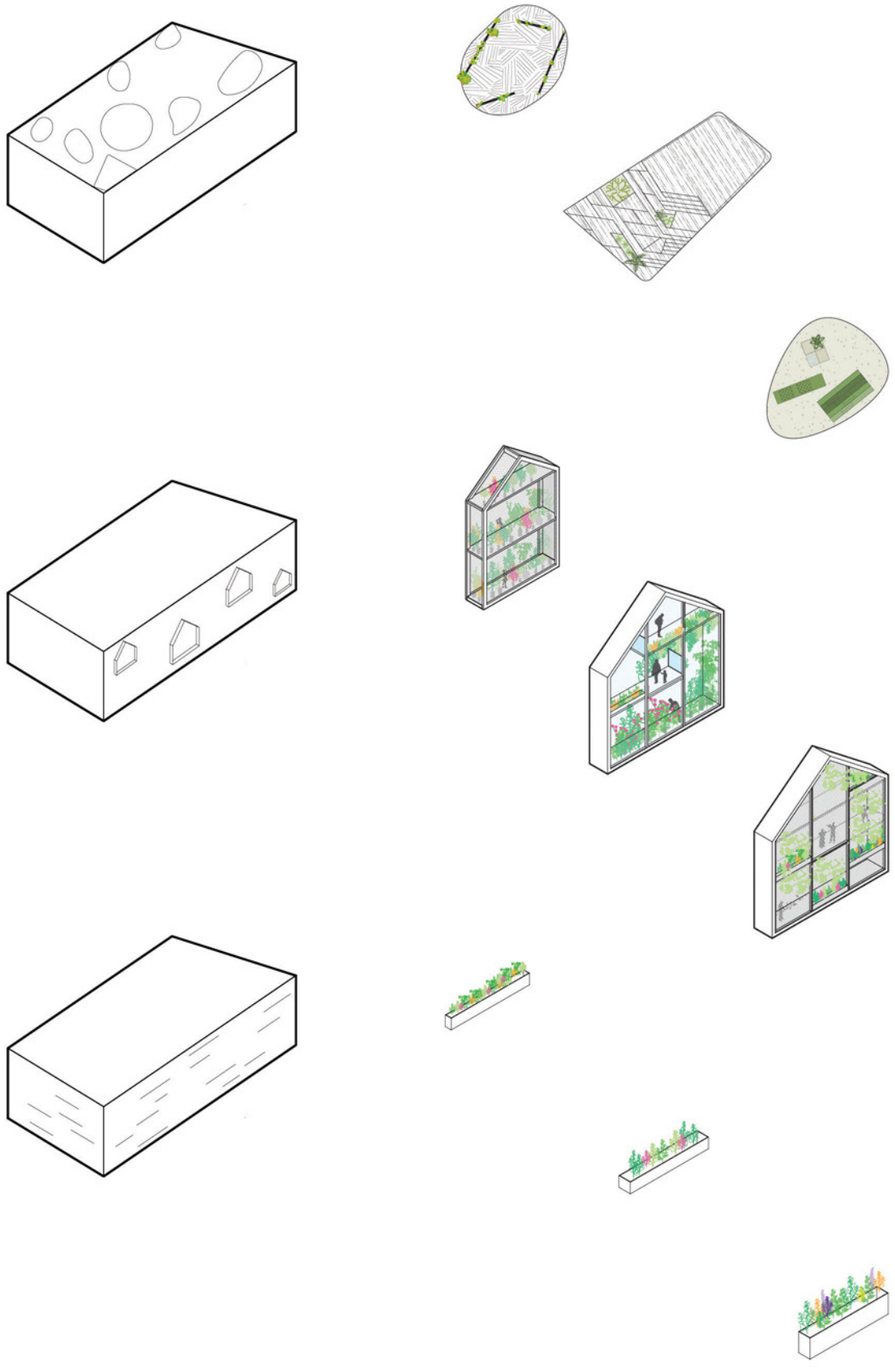

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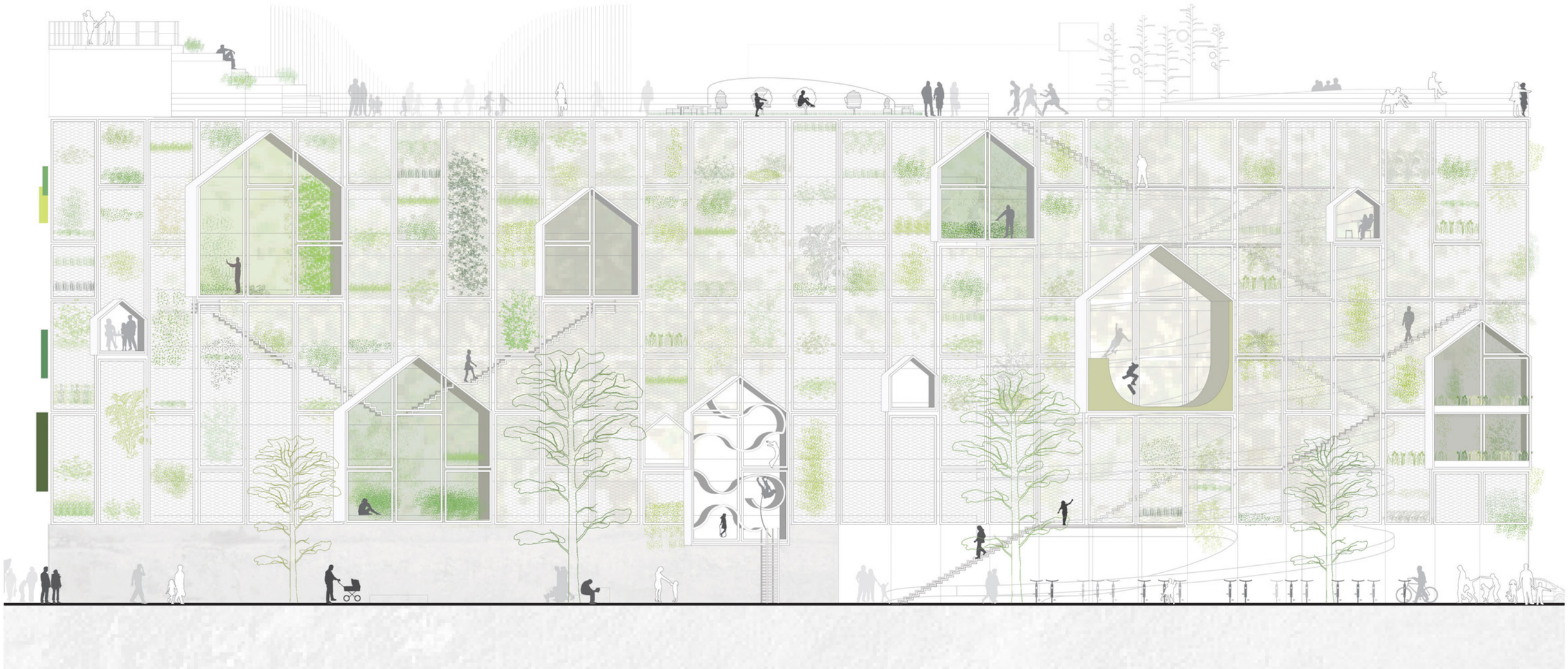

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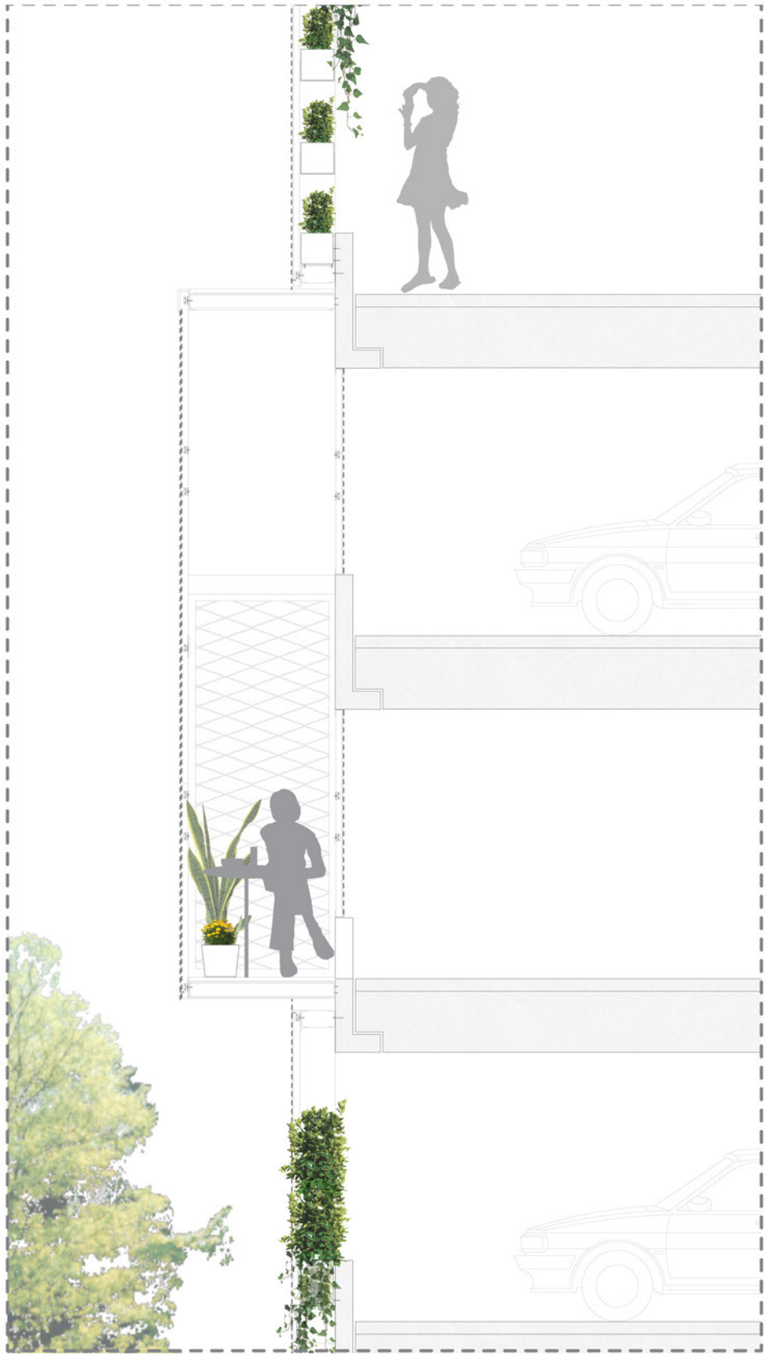

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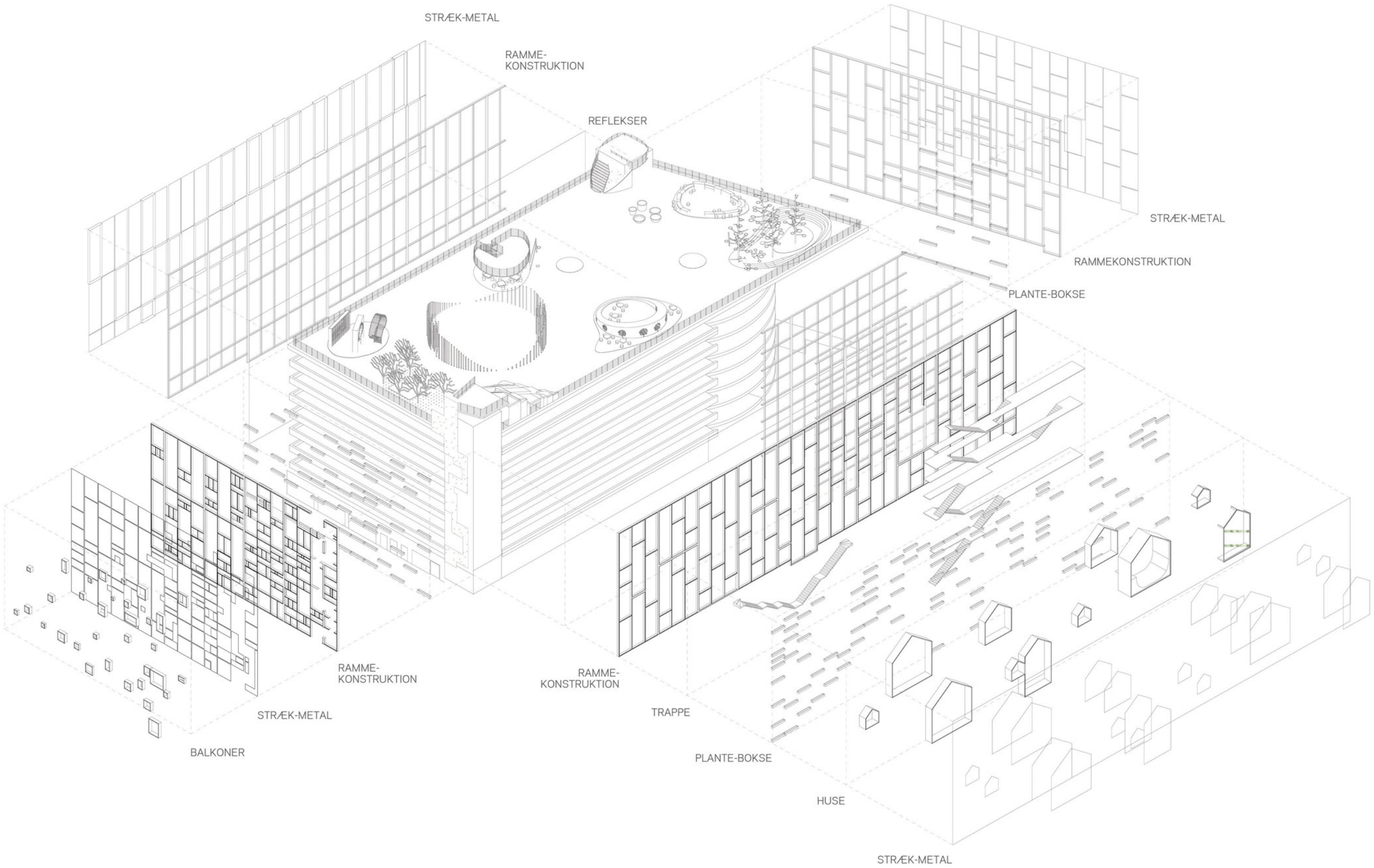

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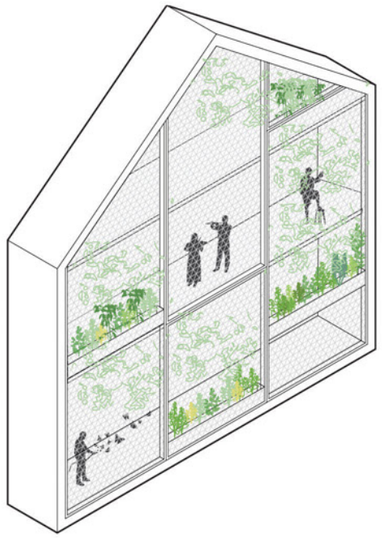
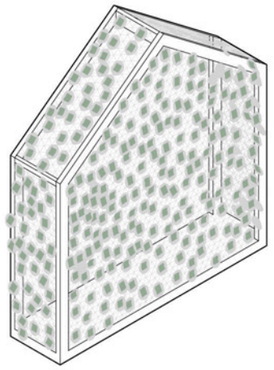


Plante-Hus



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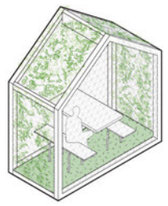
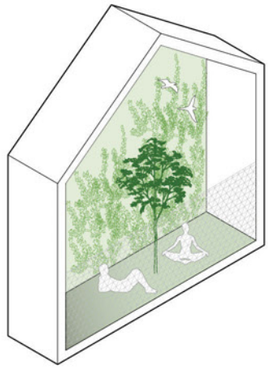


Picnic-Hus



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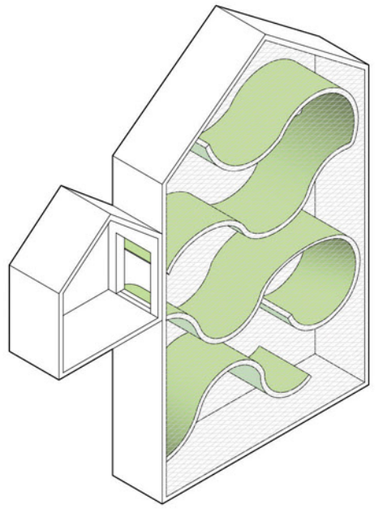

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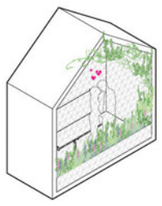
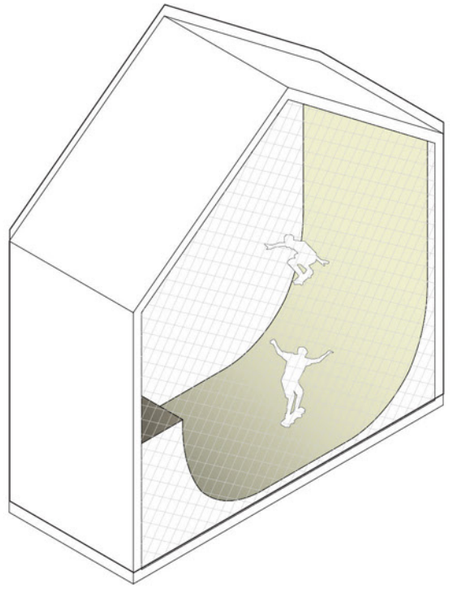


Kæreste-Hus

Blomster-Hus

Vækst-Hus



Skate-Hus

Udsigts-Hus

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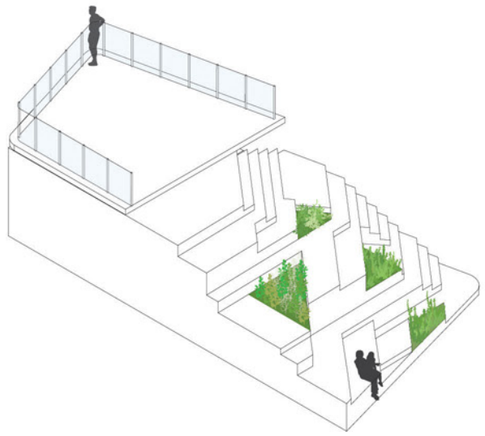
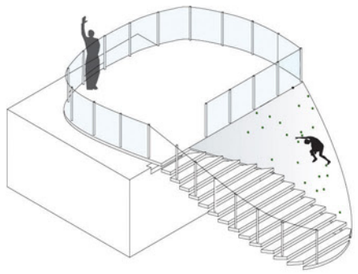
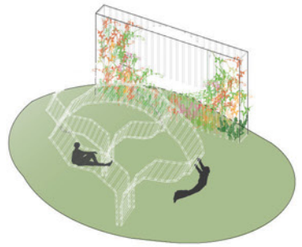


Opholds-Ø

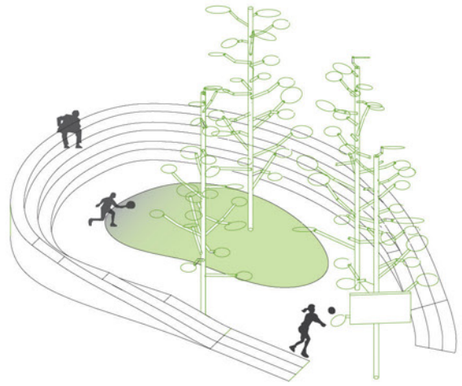
Pæle-Ø



Udsigts-Ø

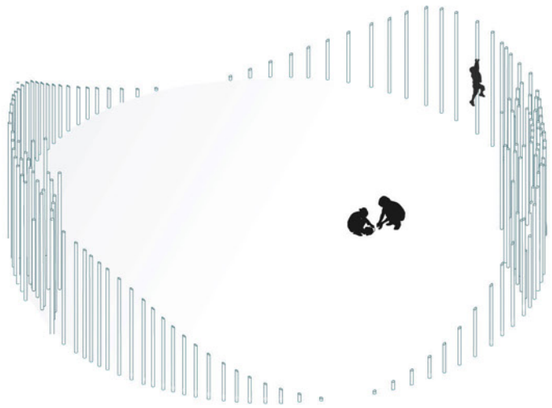


Ramme-Ø

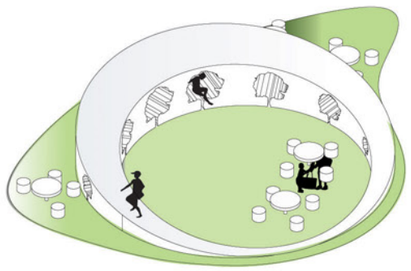


Basket-Ø

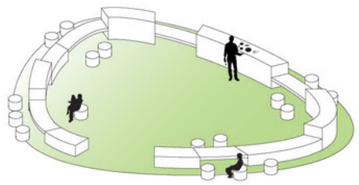
Hus-Ø



Lysningens-Ø



Hule-Ø



Pause-Ø

Plante-Ø

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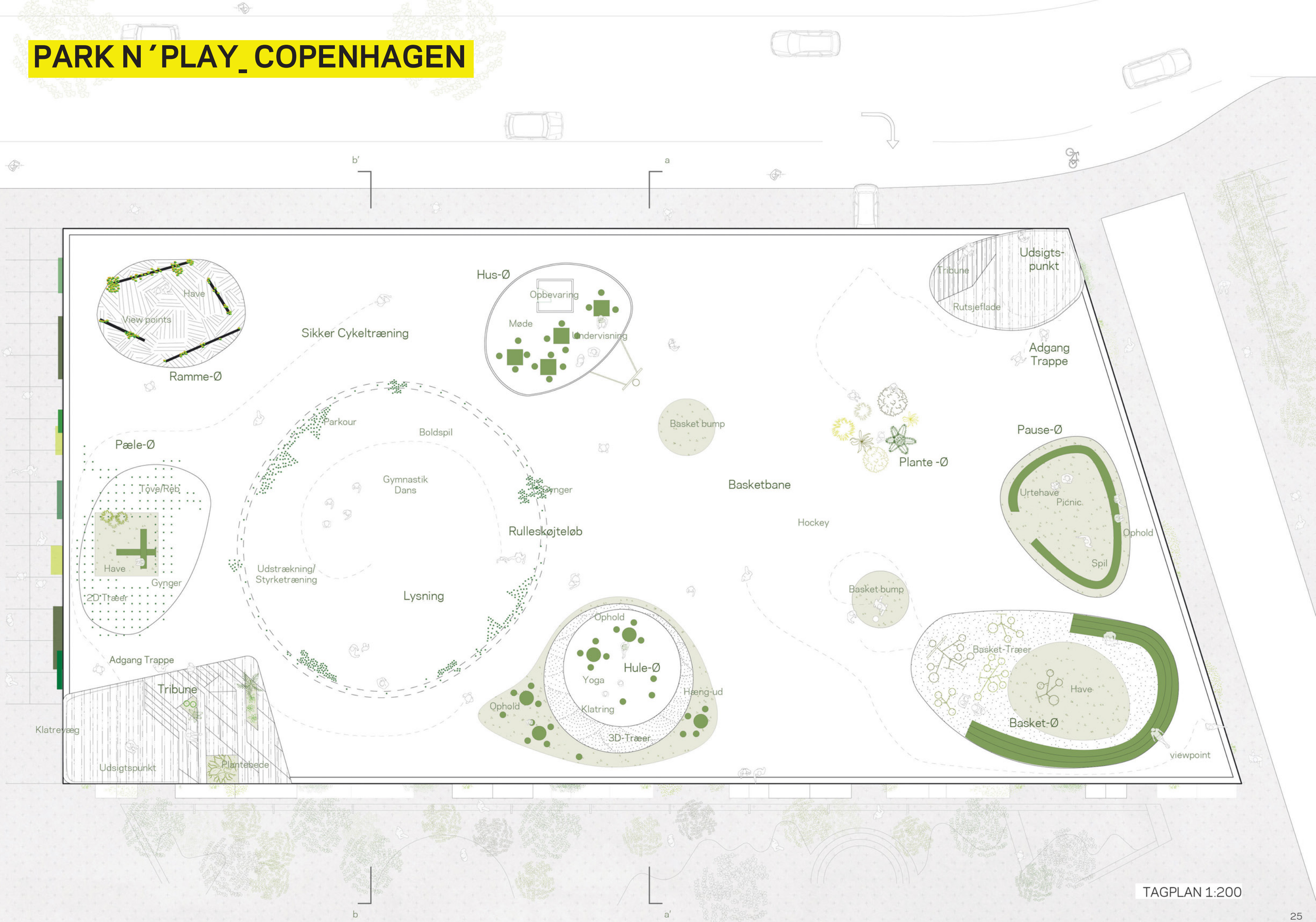

TAGPLAN 1:200

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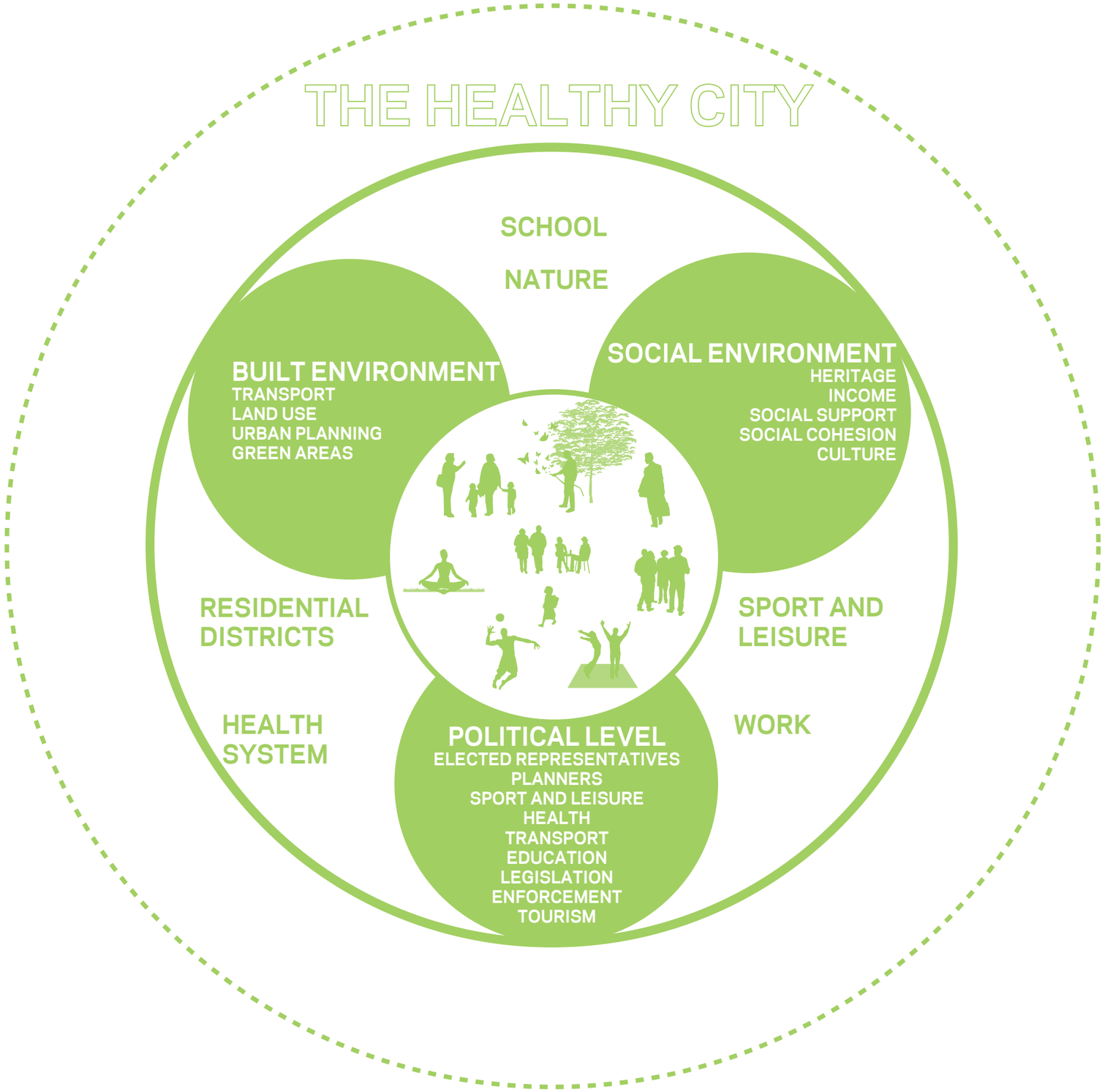
AFSLUTNING


THE HEALTHY CITY
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BUILT ENVIRONMENT
TRANSPORT
LAND USE
URBAN PLANNING
GREEN AREAS
SOCIAL ENVIRONMENT
HERITAGE
INCOME
SOCIAL SUPPORT
SOCIAL COHESION
CULTURE
RESIDENTIAL DISTRICTS
SPORT AND LEISURE
HEALTH SYSTEM
WORK
POLITICAL LEVEL
ELECTED REPRESENTATIVES
PLANNERS
SPORT AND LEISURE
HEALTH
TRANSPORT
EDUCATION
LEGISLATION
ENFORCEMENT
TOURISM

AFSLUTNING

+

THANK YOU

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