

ARCH 4712

# SOUNDVIEW

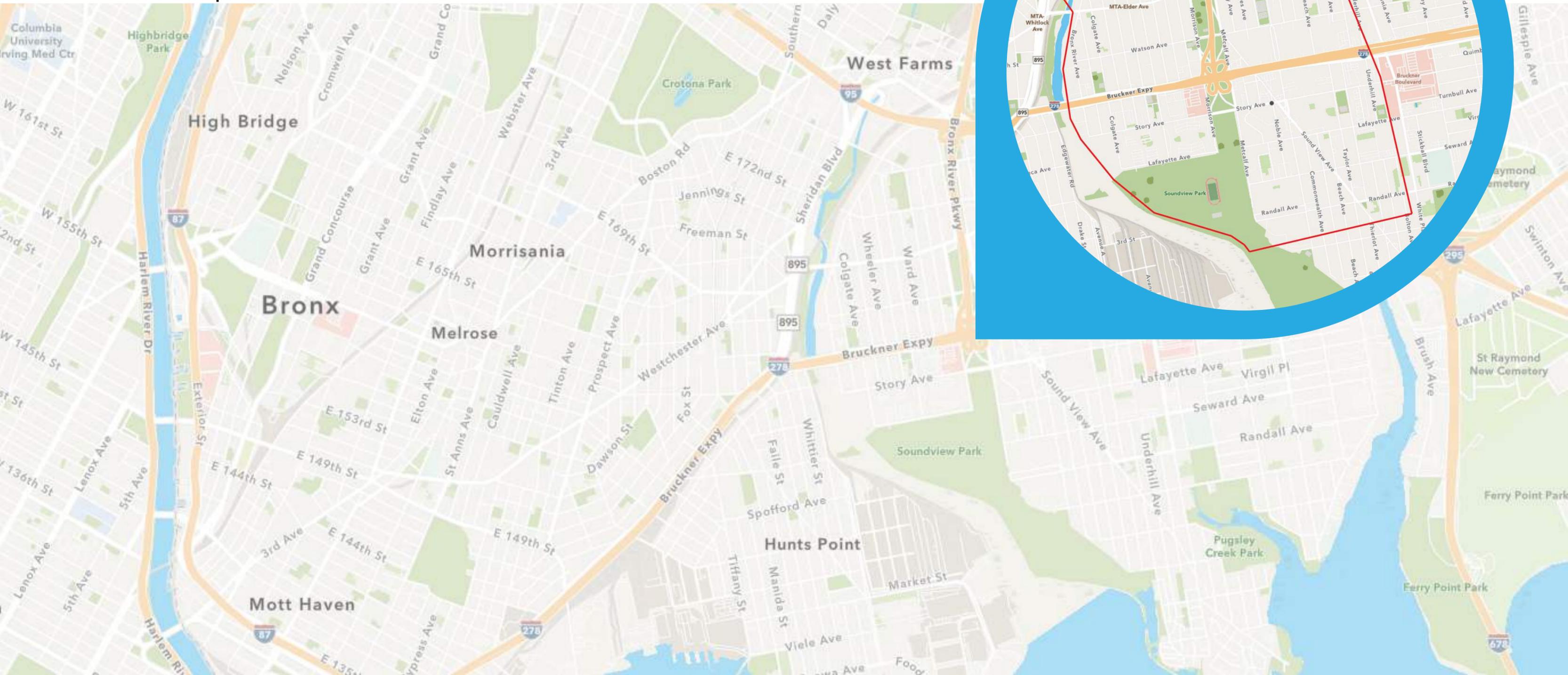
12/14/21



JOVANY  
CUMBE

# Location

Soundview is a neighborhood located in Southern Section of the Bronx, on the Clason Point peninsula.



# Vision

My vision for Soundview is to bring forth an [interconnected community](#) strengthening what exists in the area. In doing so Soundview will become a [self sustaining](#) neighborhood that will [adapt and grow](#) for the current and emerging generations.

# Program

## PUBLIC:

- bike paths that can access all site quadrants
- Community Gardens
- Market area for locally grown food
- Bike stations and scooter stations
- public seating
- street lighting
- bio swales on street / rain gardens on streets
- Establish community spaces

## PRIVATE:

- Medical Centers
- Solar farm at Soundview park
- Resilience Center
- Trade School
- Education Center / Job Center
- areas that reinforce social housing

## INFRASTRUCTURE:

- Highway can be reduced to fewer lanes to serve pedestrians and still allow some car use
- Rearrangement of the NYCHA and project housing areas
- Connections on the waterfront

# Health , Safety & Welfare

## HEALTH

- 1-Local farm for healthy food options in a food desert
- 2-Farm to table school programs to facilitate food production and child health
- 3-More green space to facilitate personal well-being
- 4-Bike paths to motivate residents to use biking as a travel method
- 5 -Waterfront farming of algae and kelp for clothing and food needs

## SAFETY

- 1-Added streetlights to darkened streets
- 2- Storm water collection systems under buildings - doubles as parking
- 3- Flooding prevention methods through building on the waterfront
- 4-Wider streets to make streets safer for pedestrians
- 5-Trees in open areas to help with rising temperature

## WELFARE

- 1-Added affordable Housing for population growth
- 2- Pedestrian bridge to connect the two areas of Soundview
- 3- Education and Job Centers at new development
- 4-Medical and Social facilities in Project Housing
- 5-Changed building layout at project housing to help with amenity connections

# Research Justification

## S.W.O.T

### STRENGTH

- 1-large magnet Soundview park
- 2-many parks with multiple amenities
- 3-schooling for grades up to 12 are found around the area

### WEAKNESS

- 1-site is not pedestrian oriented
- 2-bike path opportunities aren't present
- 3-street lighting is at a minimal

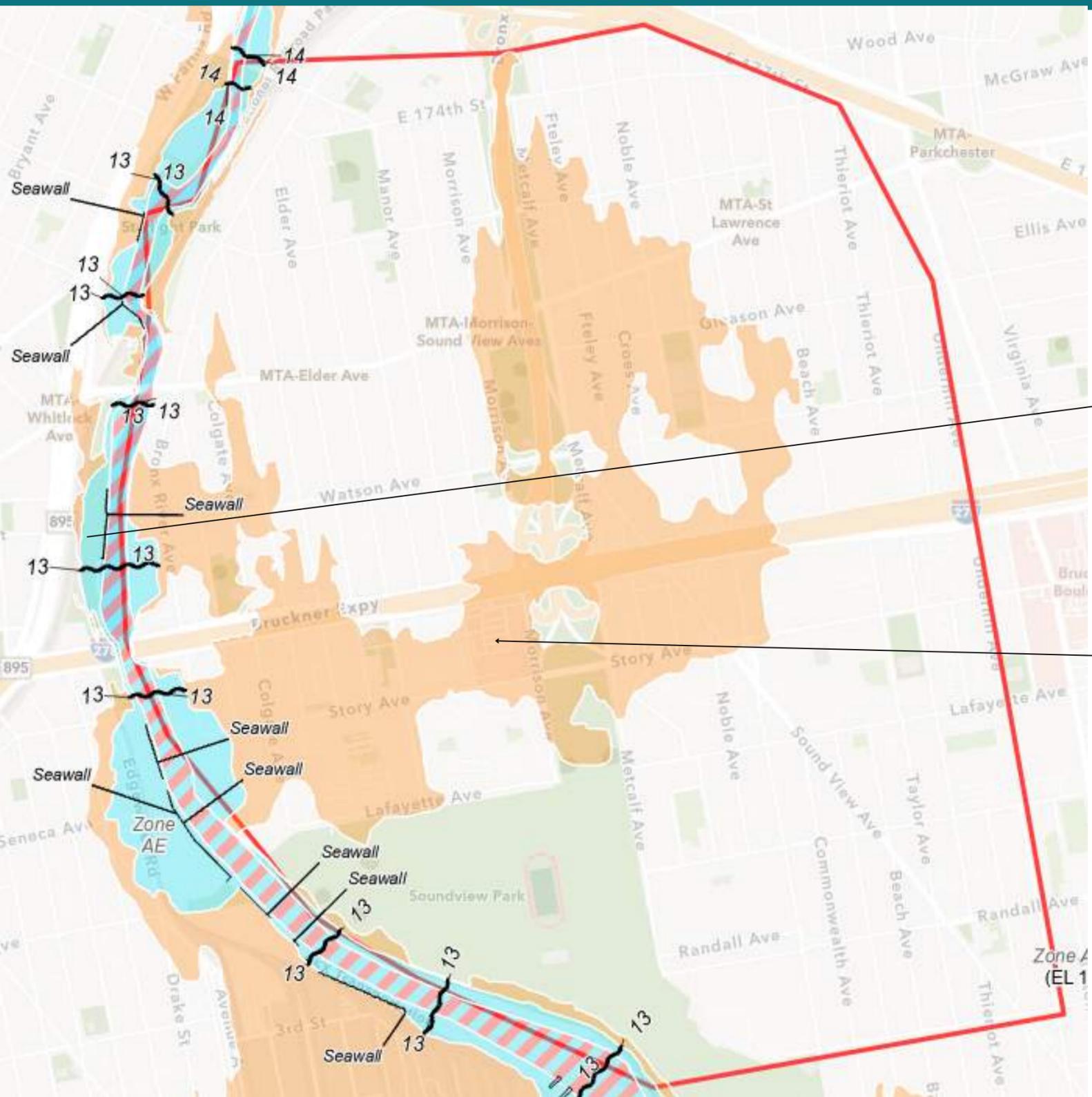
### OPPORTUNITY

- 1-unused green spaces open areas along highways
- 2- reinforcement of artistry through murals
- 3- streets can be made more "walkable"

### THREAT

- 1-Highway splits site preventing access/  
view/ community growth
- 2-low medical services
- 3-People below poverty level

# Flood Plane



Areas Along the Bronx River are classified as an AE Zone

AE Zone - a high-risk zone where a flood has a one percent chance of occurring within a year

0.2% annual-chance zones. FEMA states that orange zones are likely to face significant flooding at least once every 500 years.



# Research Justification

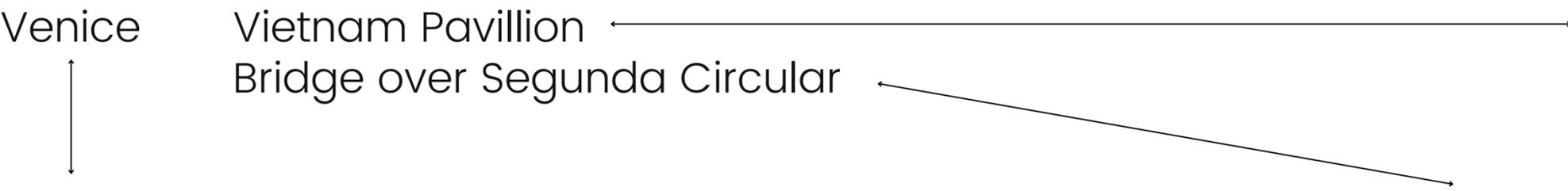
"The Enclosing properties of a boundary are determined by its openings." –  
The Phenomenon of Place Christian Norberg-Shulz (1976)

CASE STUDY: SYRACUSE I-81

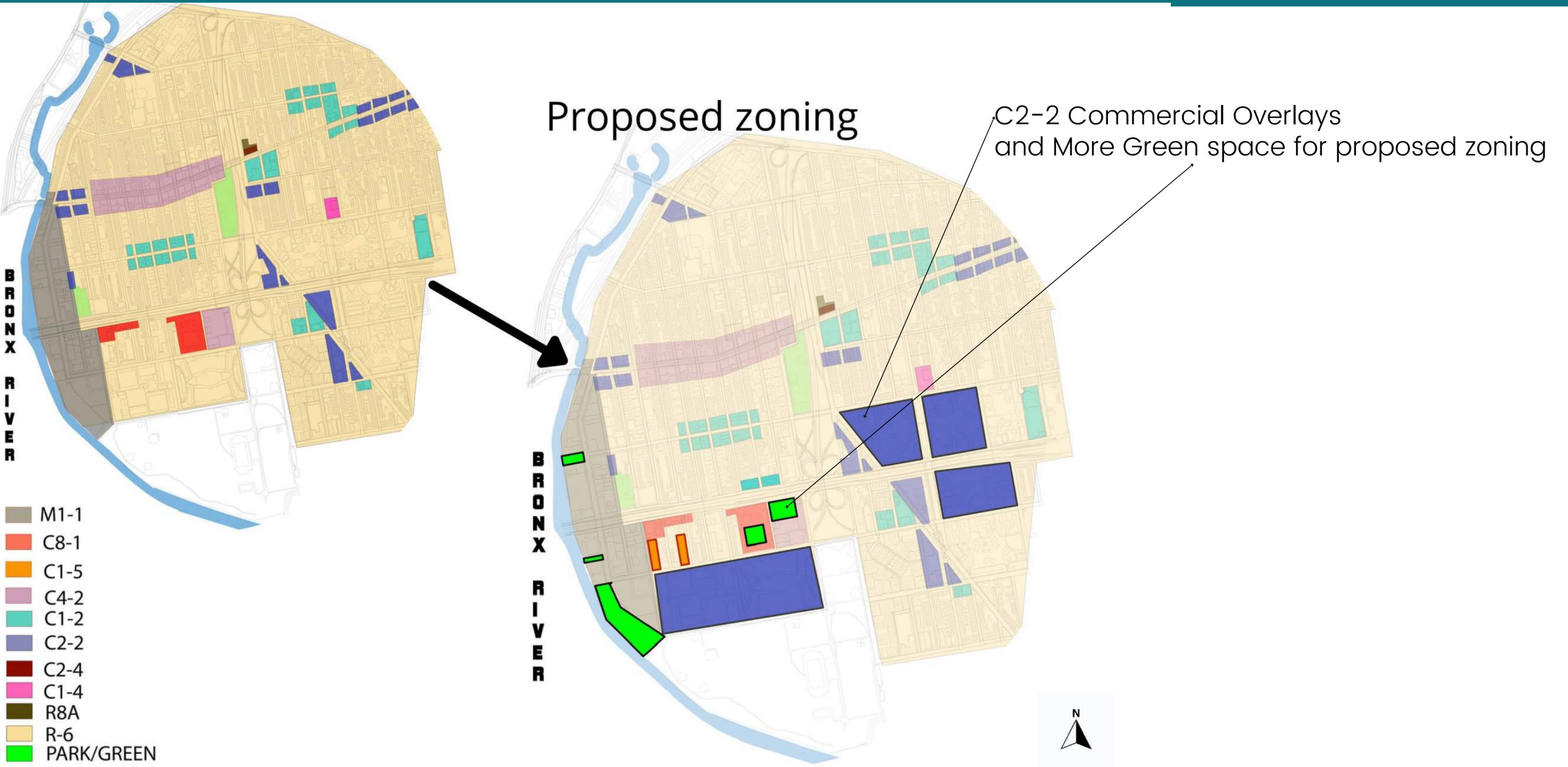


# Research Justification

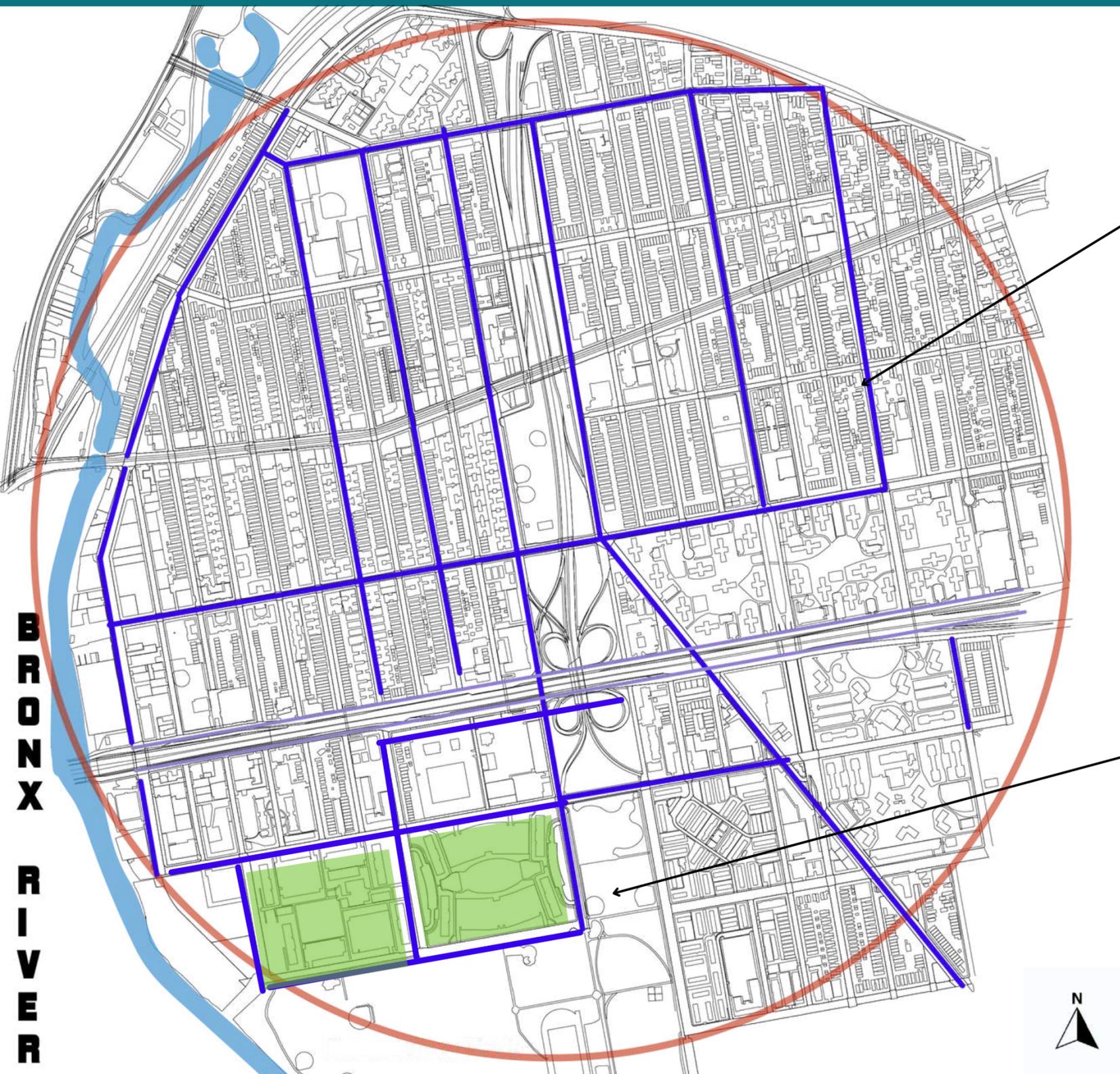
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# Zoning Changes



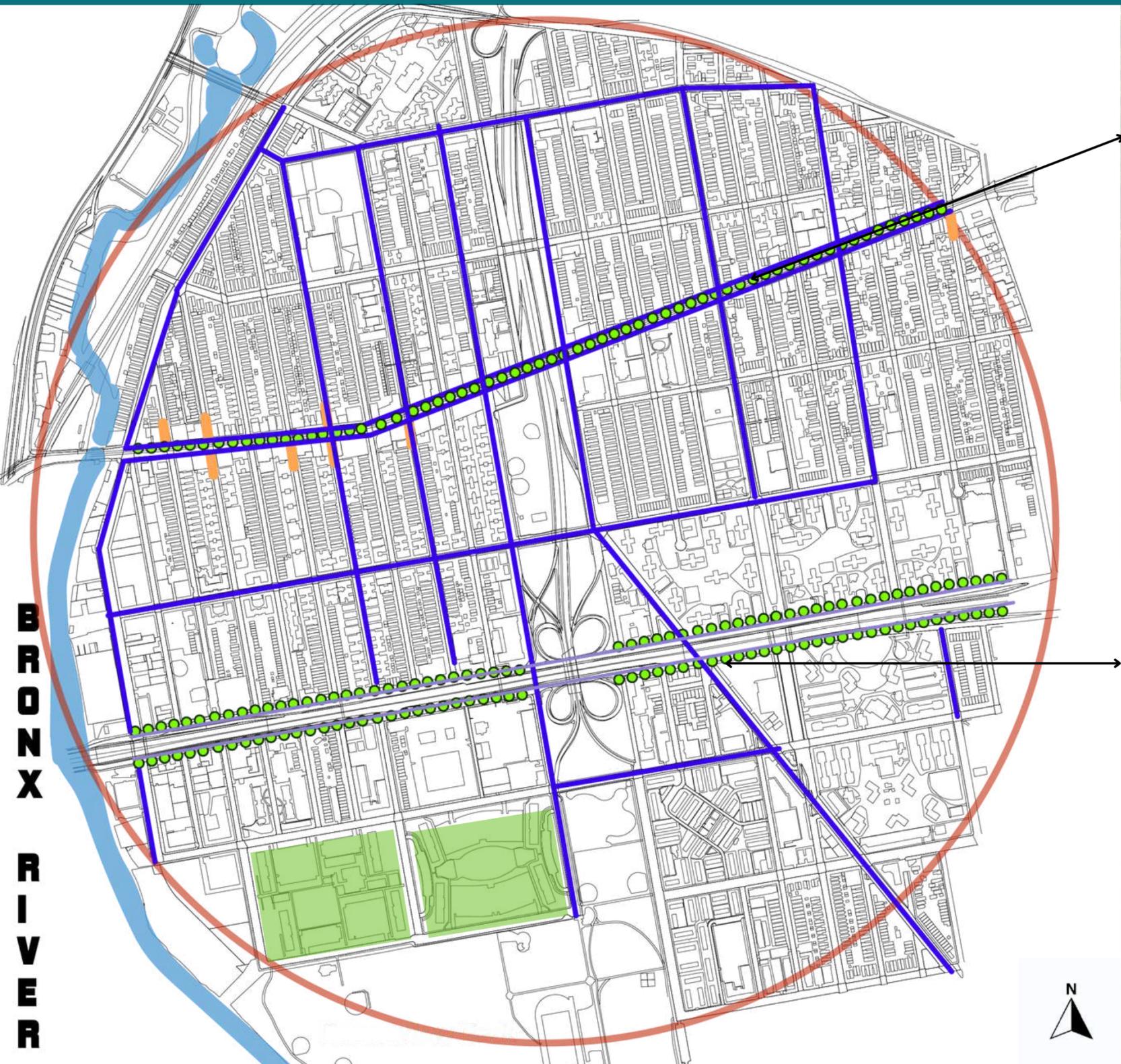
# Phasing



1-5 yrs  
Proposed Program

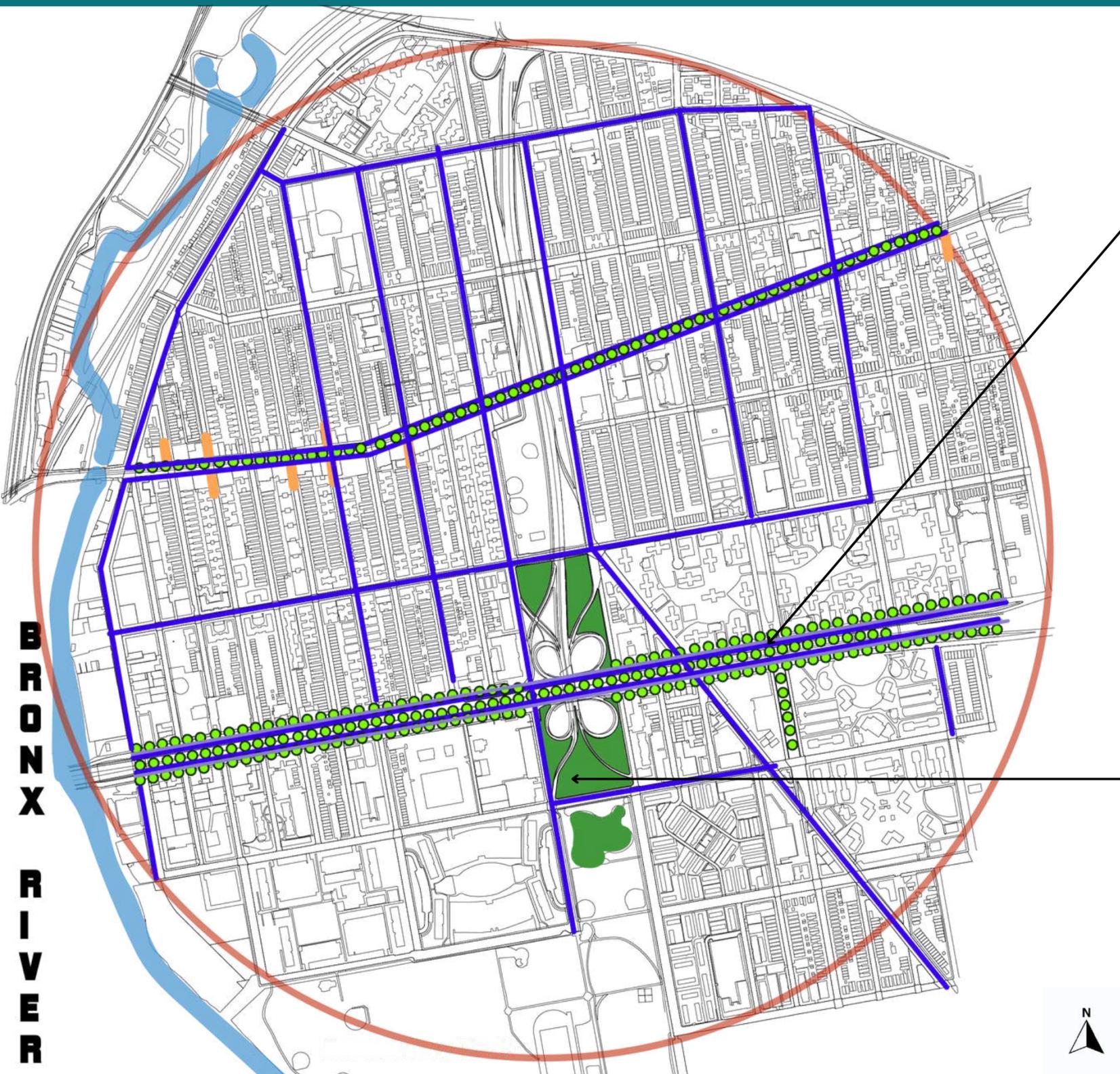
-  Sustainable methods
-  Social Programs
-  Community Gardens
-  Bike Lanes
-  Closed Streets
-  Solar Opportunities
-  Mural Opportunities
-  SuperMarket
-  Medical
-  Interventions
-  Green Public Space

# Phasing



- 10 yrs  
Proposed Program
- Sustainable methods
  - Social Programs
  - Community Gardens
  - Bike Lanes
  - Closed Streets
  - Solar Opportunities
  - Mural Opportunities
  - SuperMarket
  - Medical
  - Interventions
  - Green Public Space

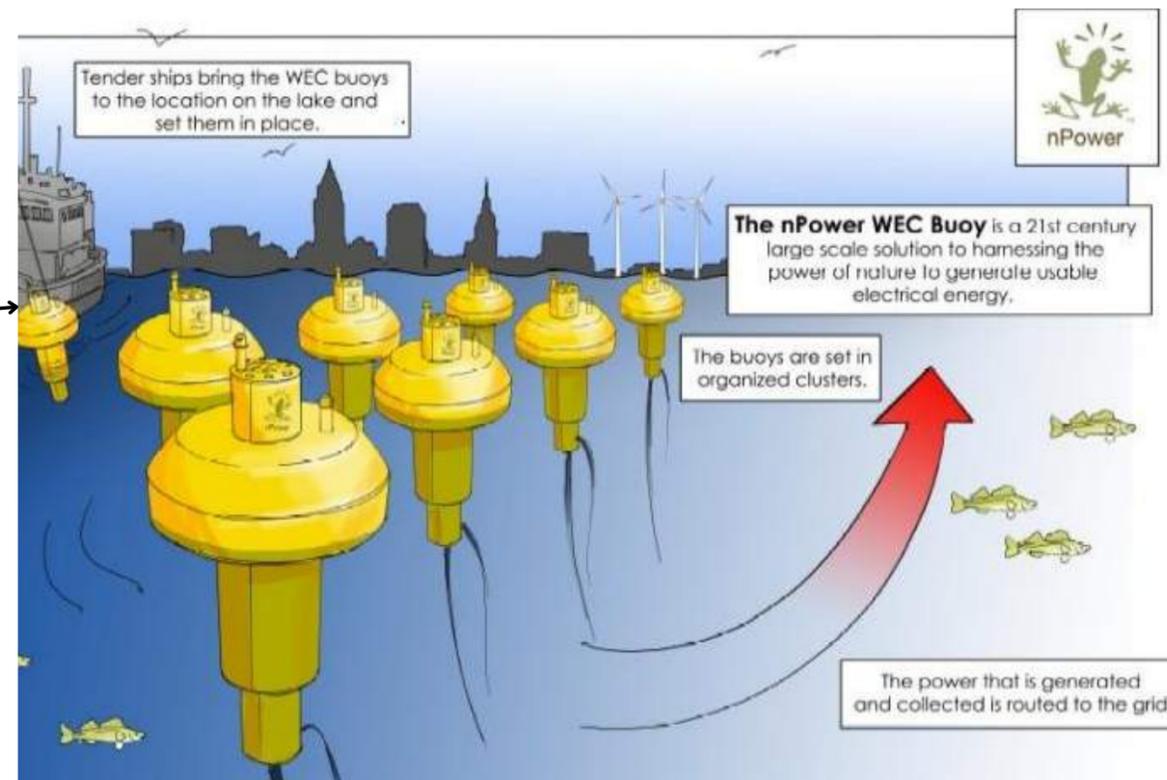
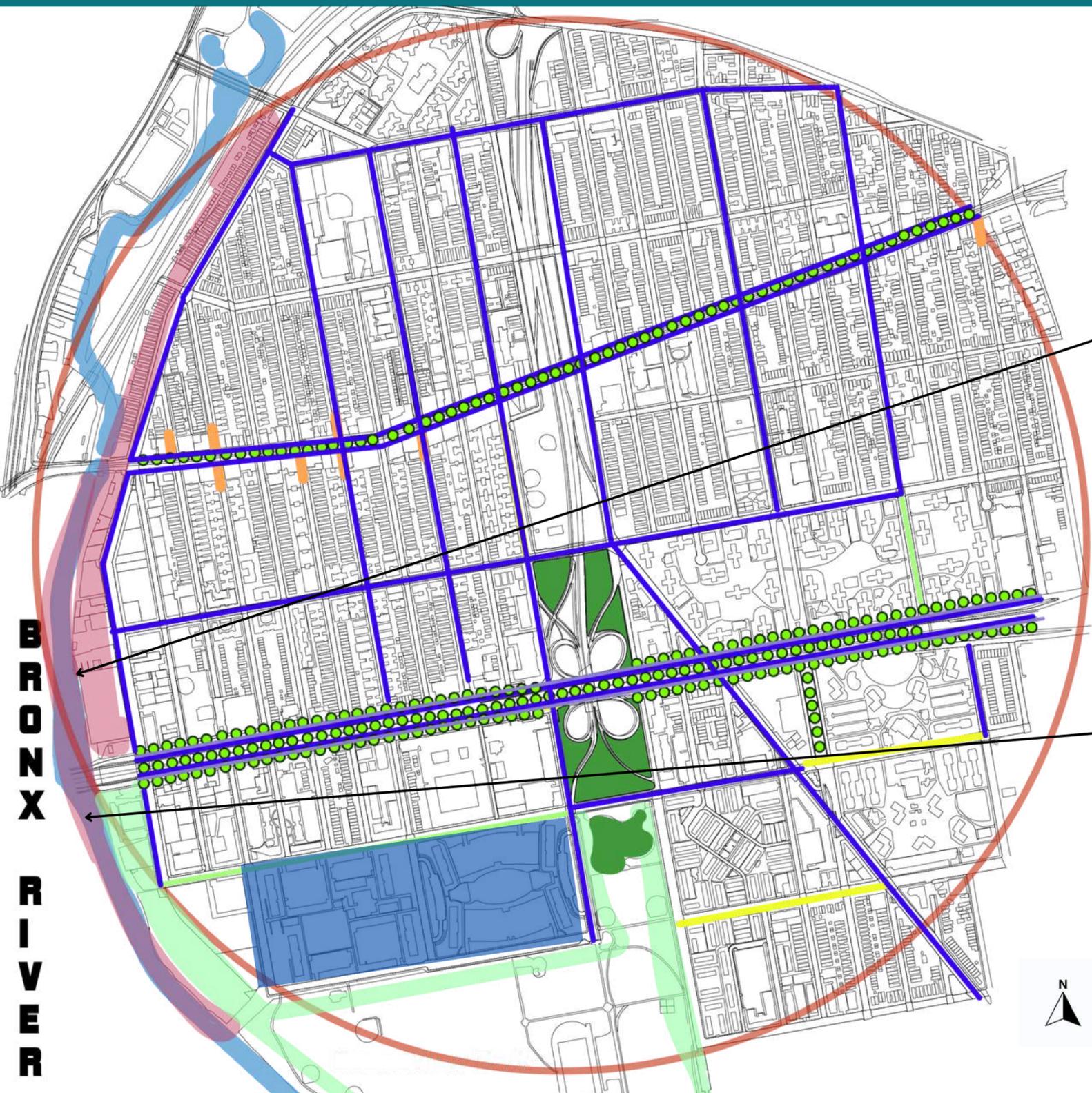
# Phasing



15 yrs  
Proposed Program

- Sustainable methods
- Social Programs
- Community Gardens
- Bike Lanes
- Closed Streets
- Solar Opportunities
- Mural Opportunities
- SuperMarket
- Medical
- Interventions
- Green Public Space

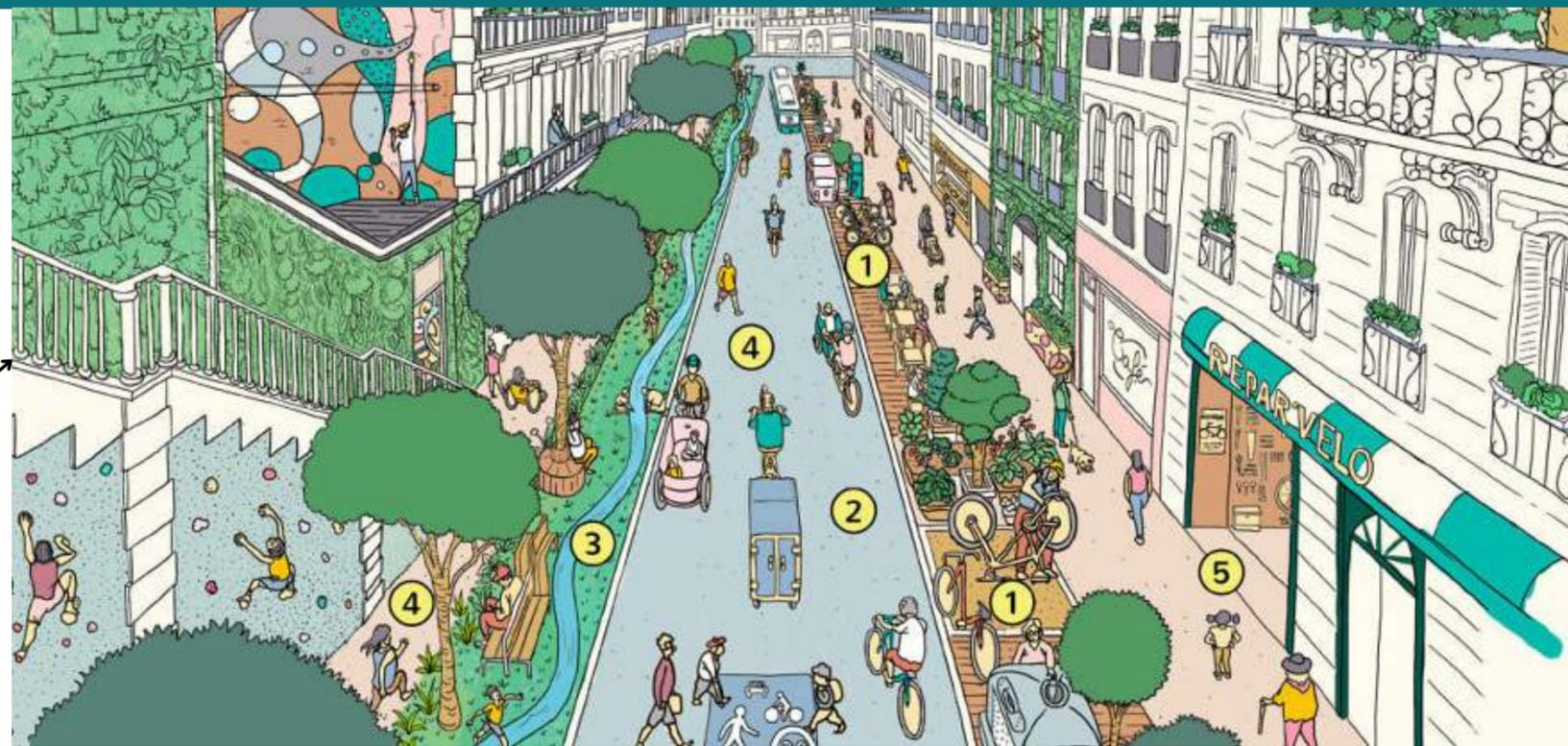
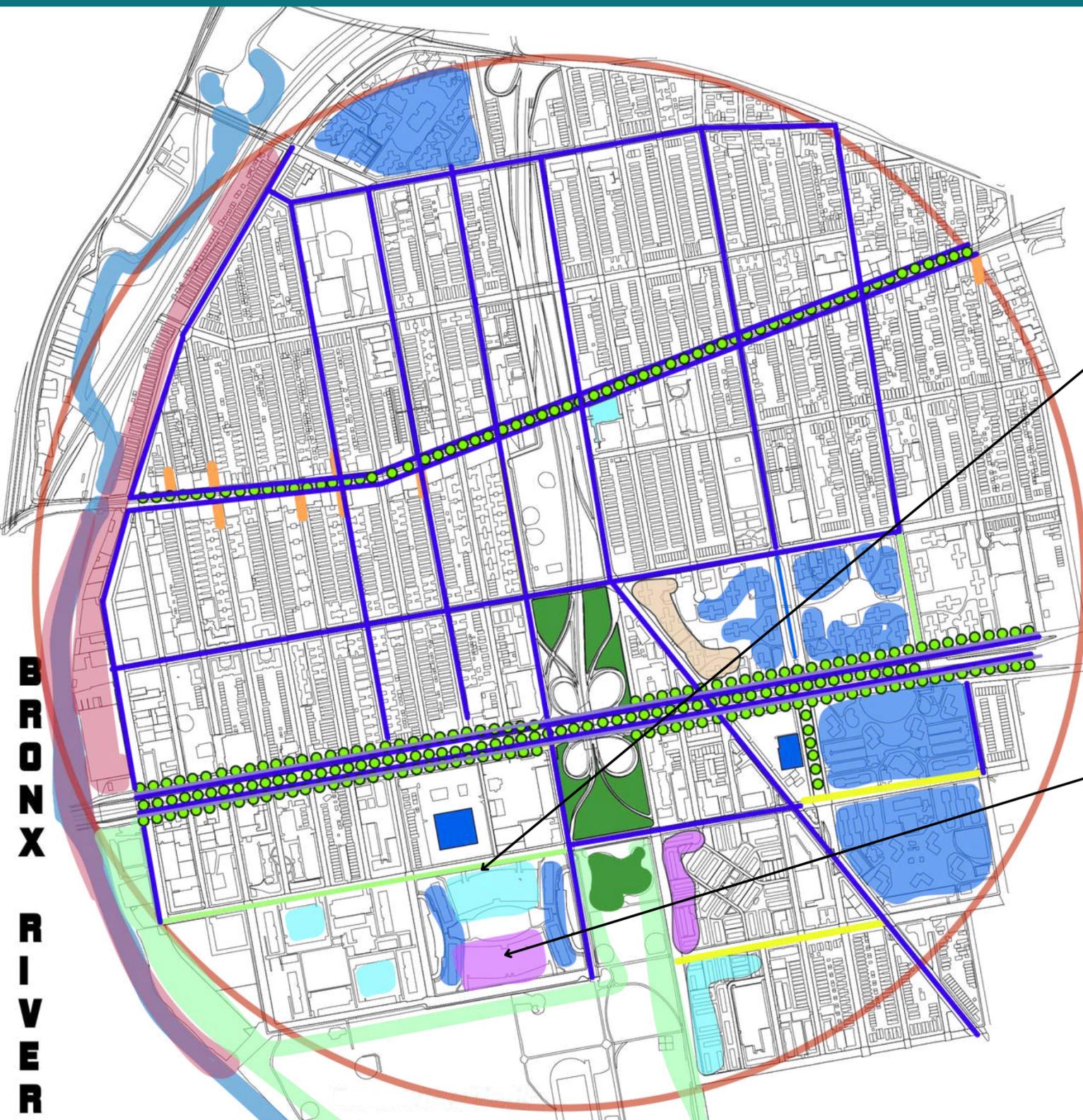
# Phasing



20 yrs  
Proposed Program

- Sustainable methods
- Social Programs
- Community Gardens
- Bike Lanes
- Closed Streets
- Solar Opportunities
- Mural Opportunities
- SuperMarket
- Medical
- Interventions
- Green Public Space

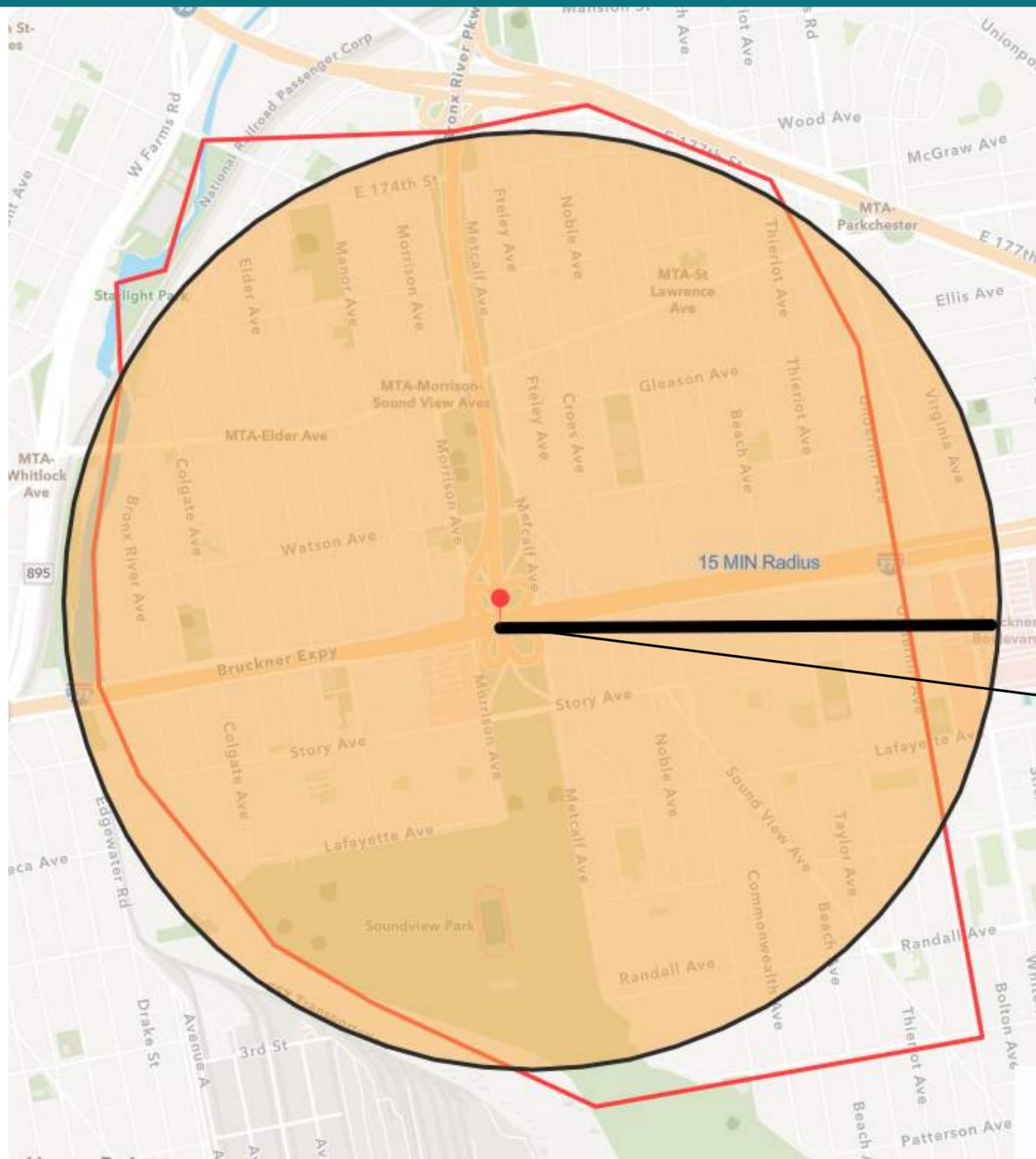
# Phasing



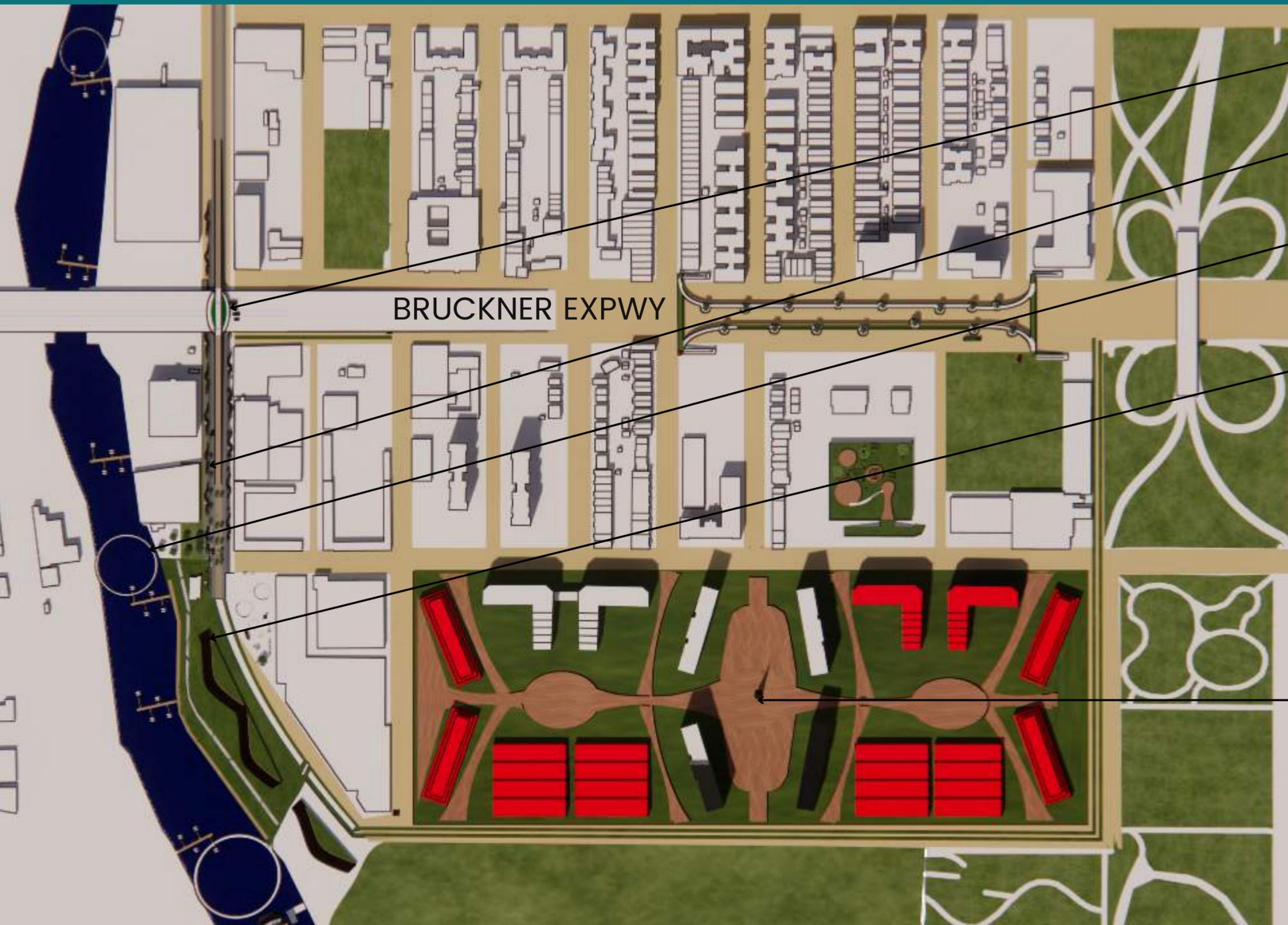
25 yrs

- Proposed Program**
- Sustainable methods
  - Social Programs
  - Community Gardens
  - Bike Lanes
  - Closed Streets
  - Solar Opportunities
  - Mural Opportunities
  - SuperMarket
  - Medical
  - Interventions
  - Green Public Space

# Area of Work



# Masterplan



BRUCKNER EXPWY

Pedestrian Bridge Over Bruckner

Pedestrian Oriented Walkways

Waterfront Development

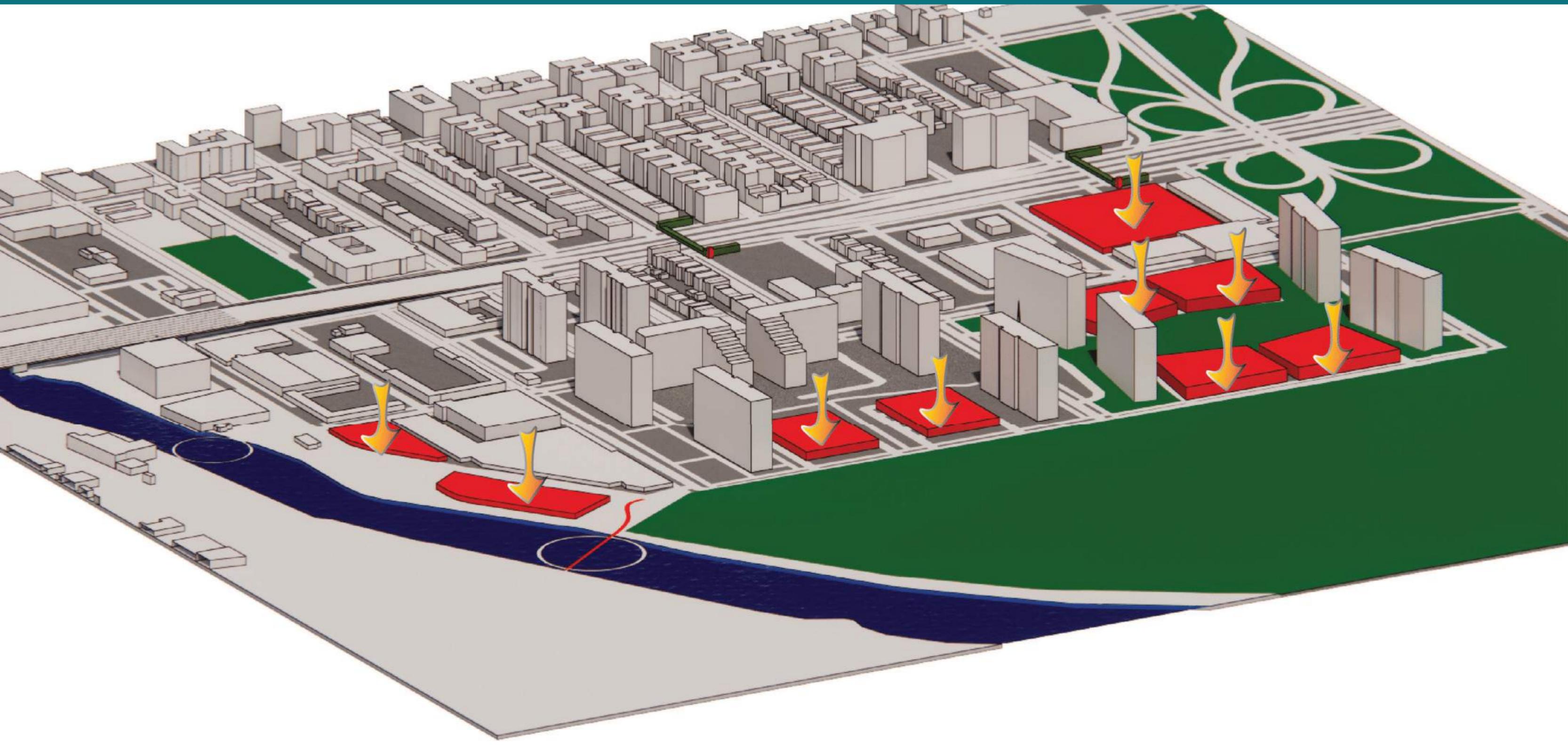
Flood Barriers/Resilience Center

Project Housing Development

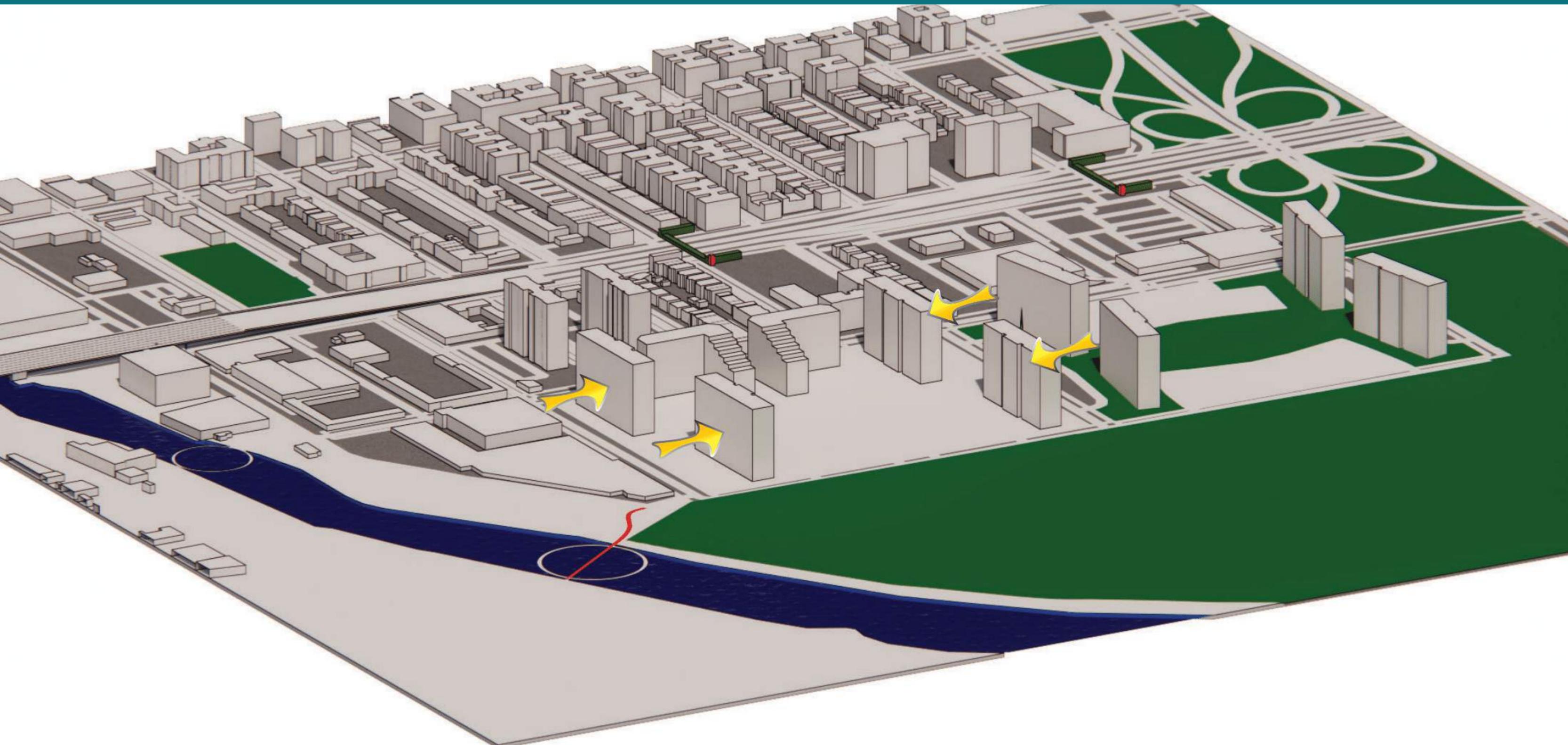
# Design Development



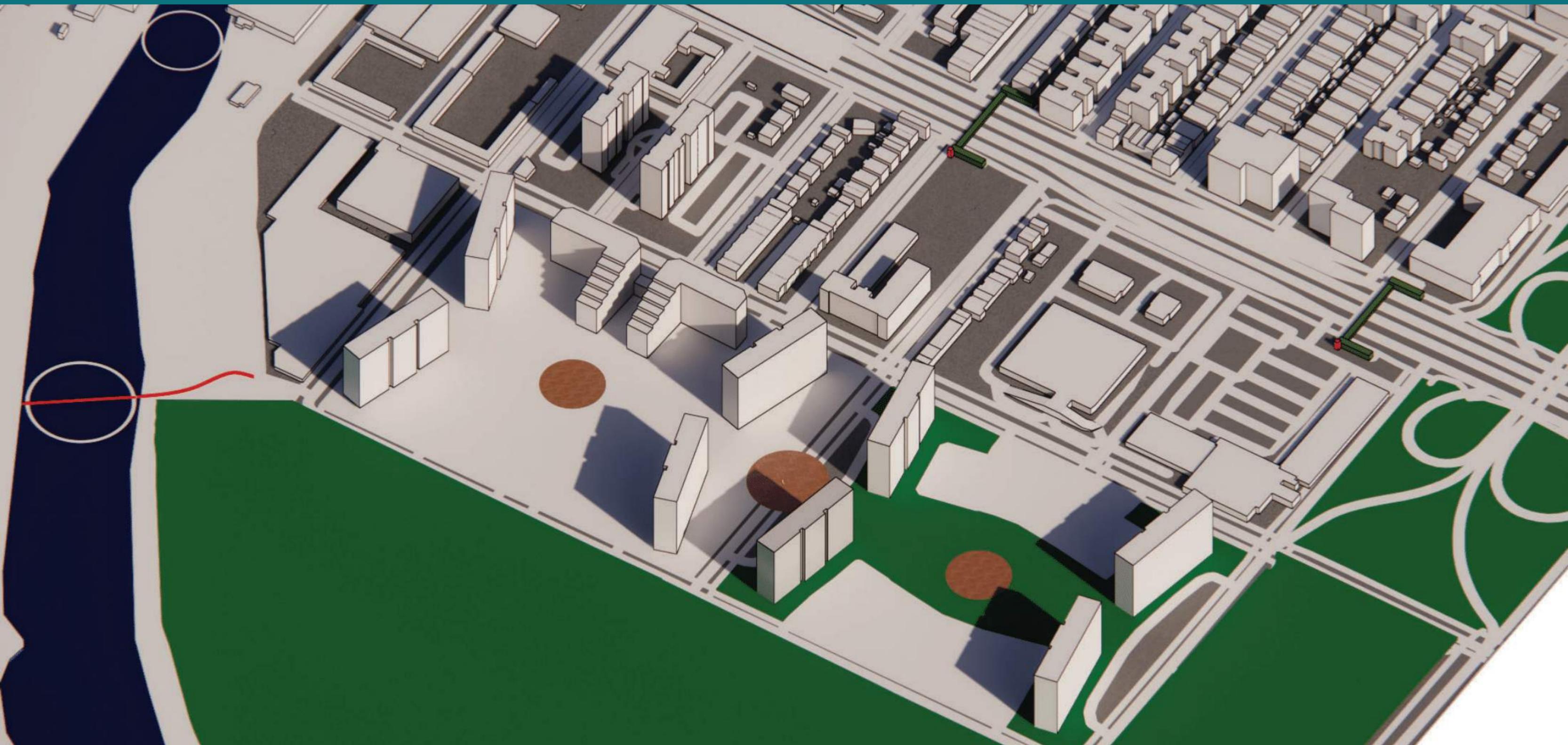
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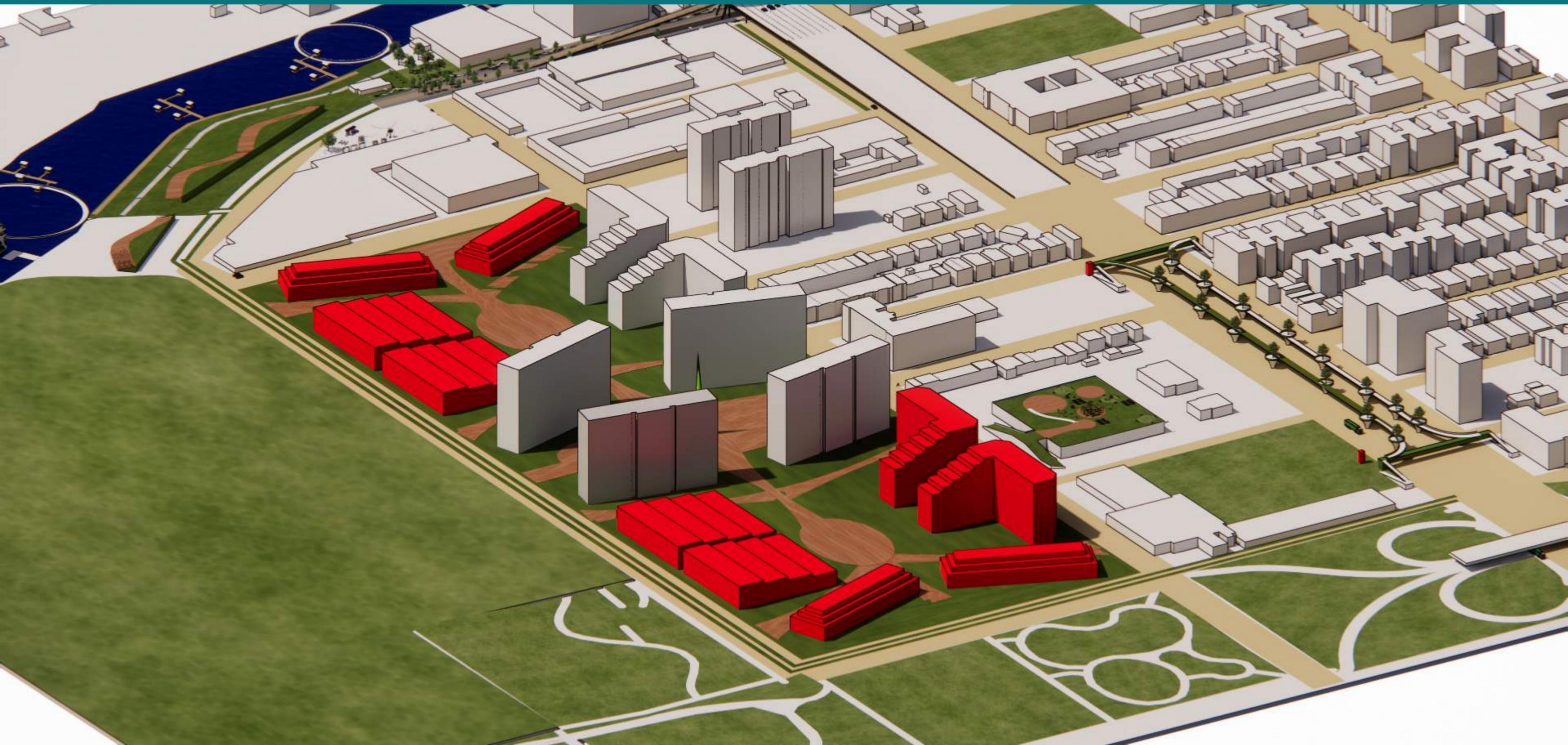
# Design Development



# Design Development

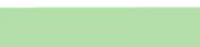


# Design Development



# Circulation

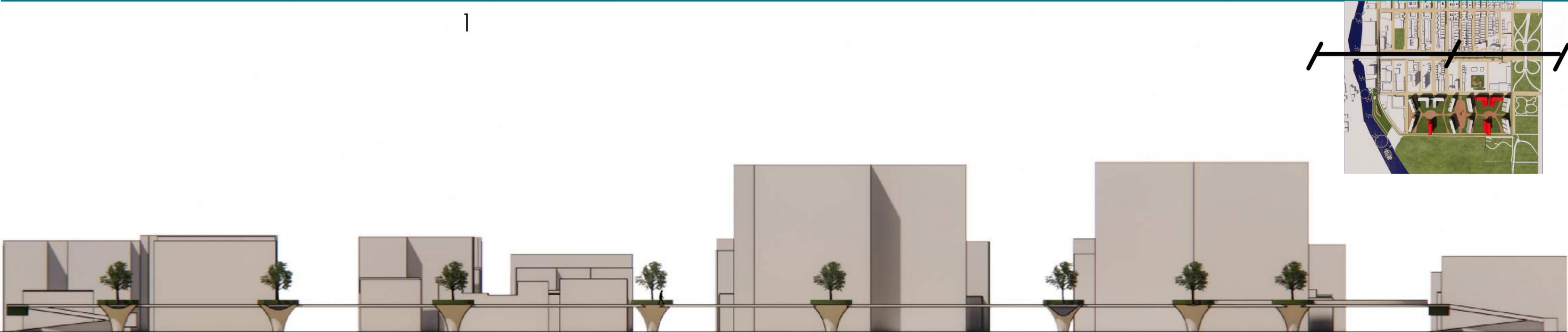
## LEGEND

-  Waterfront "Island"
-  Only Resident Entry
-  Closed Street
-  Car traffic woonerf
-  Water Green Line / Development
-  Full Woonerf
-  Car Traffic
-  Boat path Proposed
-  Bike path Proposed
-  Ferry Line
-  Sidewalk Sustainable Flood Development
-  Highway Woonerf Conversion up to 20 year
-  Highway Woonerf Conversion up to 10 year
-  Highway Woonerf Conversion up to 5 year

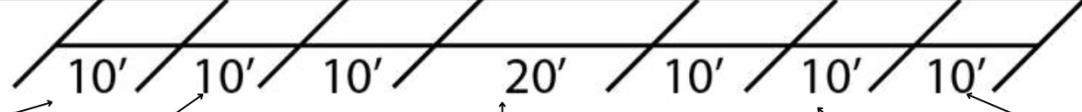
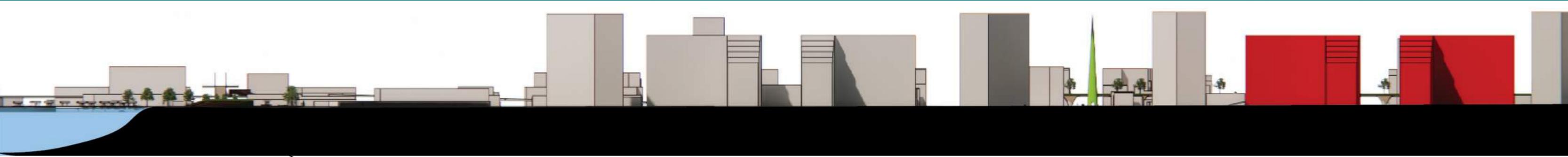


# Sections

1

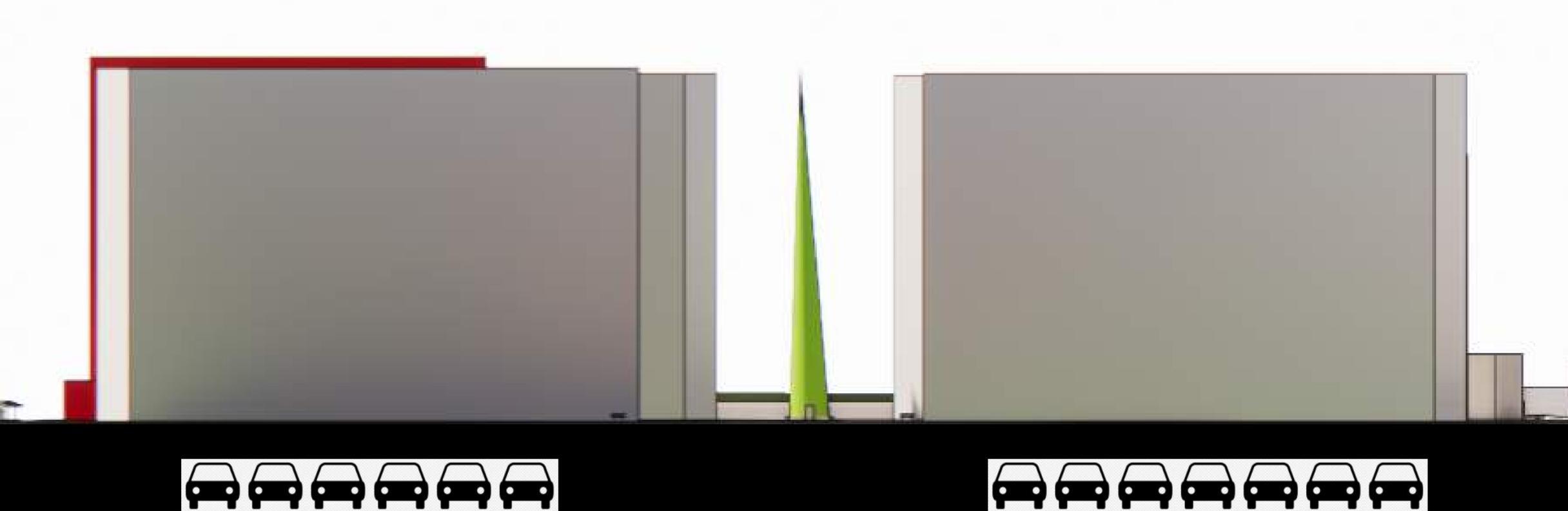


# Sections



Porous pavement Bioswale Pedestrian Bridge Bioswale Porous Pavement

# Sections



# New Soundview



# New Soundview



# New Soundview



# New Soundview



# Housing Area



# Housing Area



# Market View



# Market View



# Closing

Through the proposed developments in Soundview I aim for the genius loci to be a celebration of the natural world that allows the citizens to reclaim the areas that are inaccessible to them.

# Thank You

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