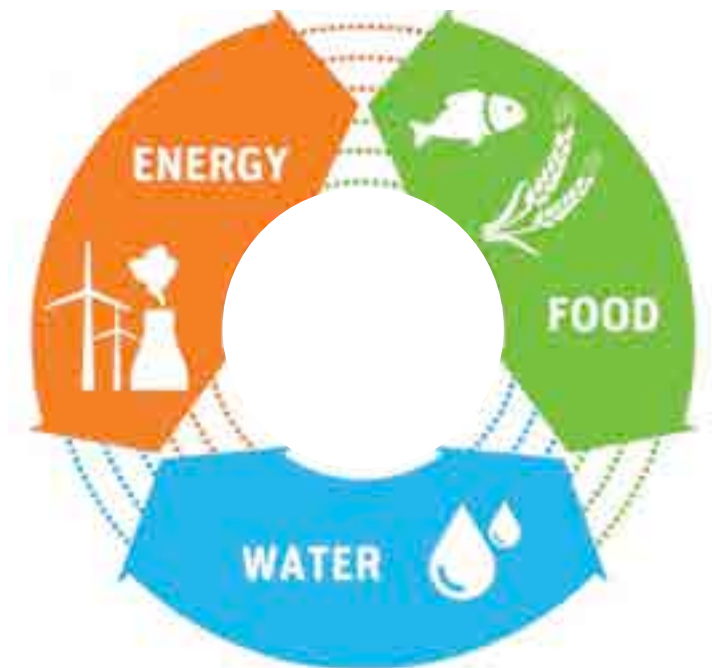


# Manchester Concept Plan

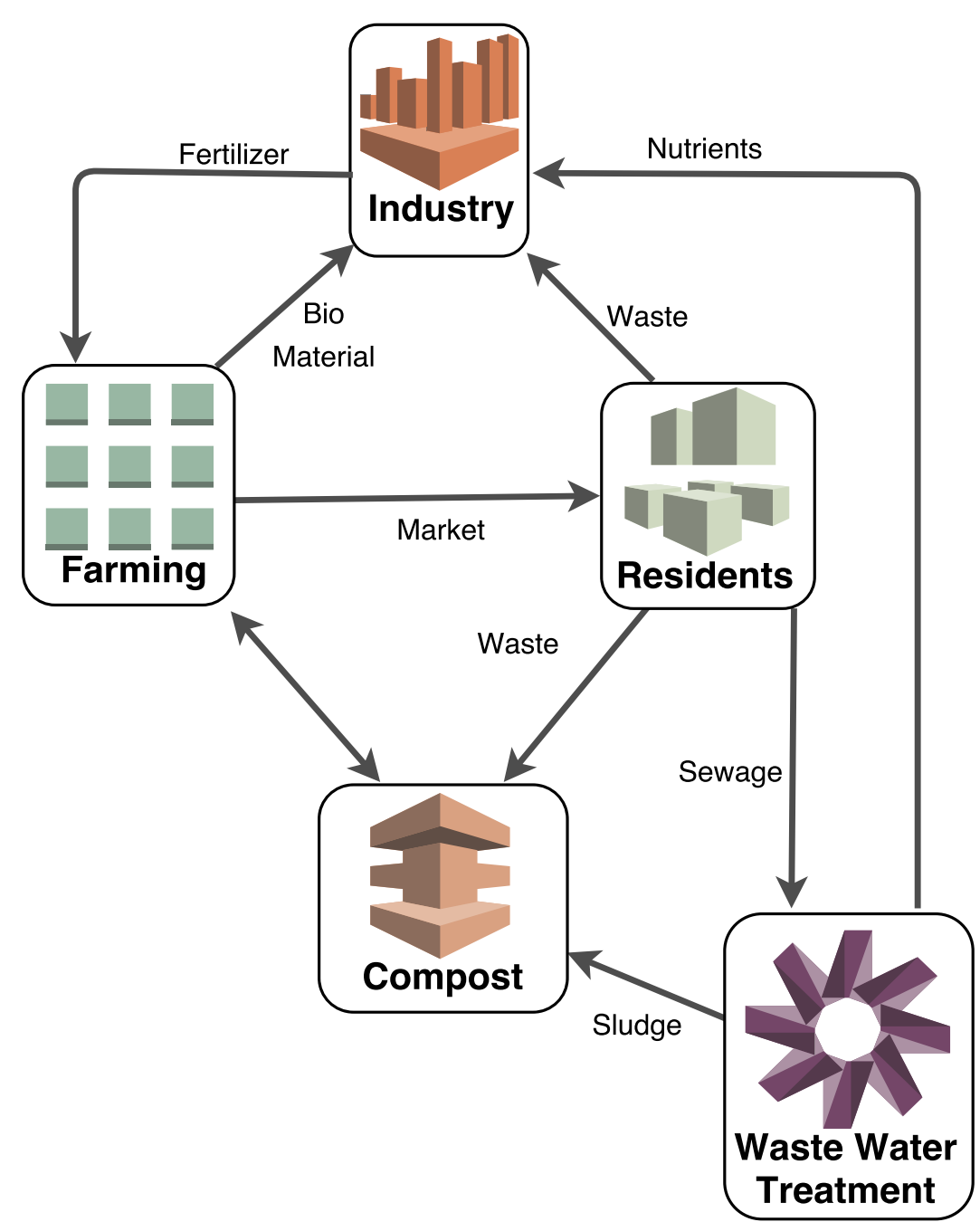


Christina Peace  
Derek Pomreinke  
Don McArthur  
Jie Li

# Nexus

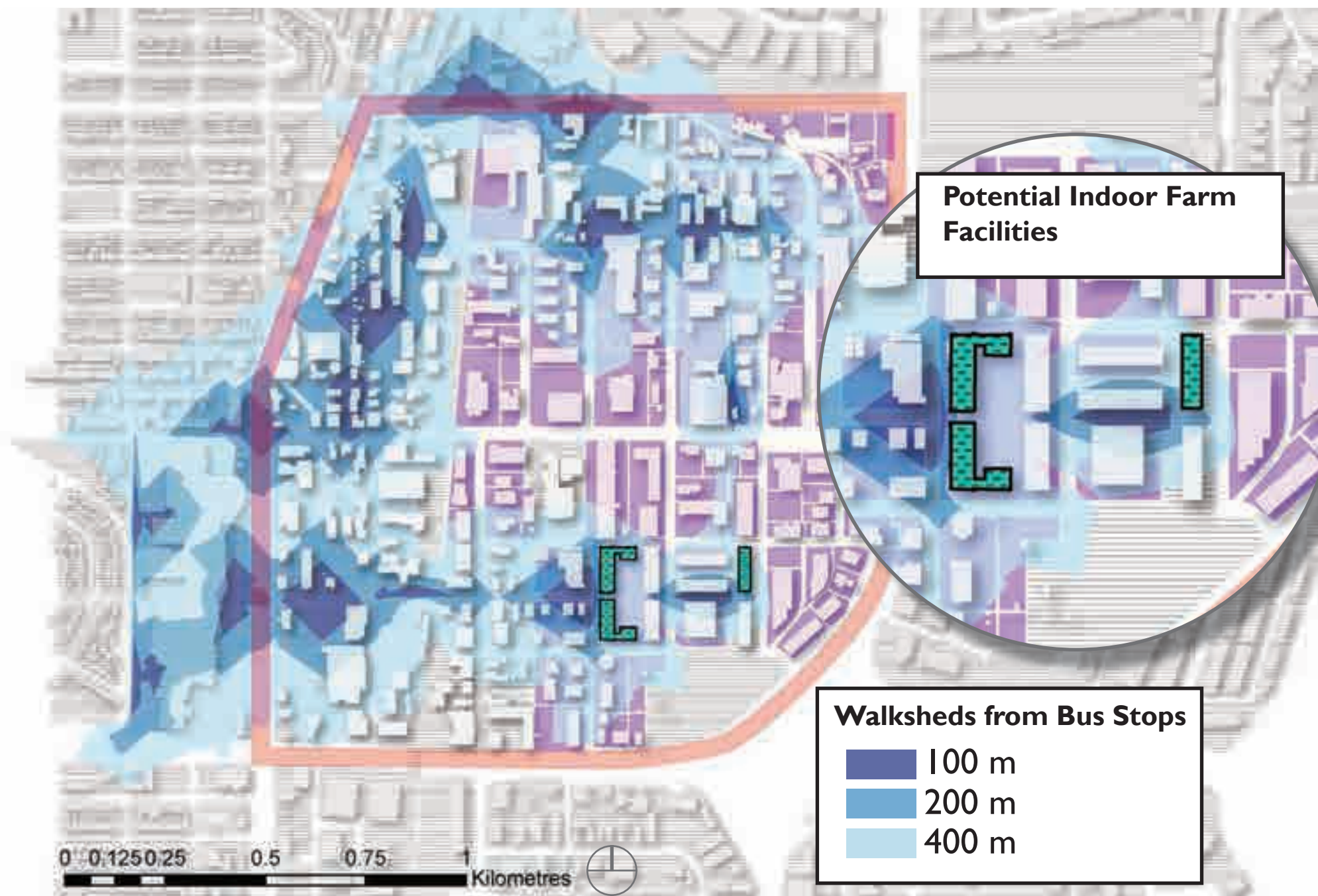


# Food Systems



# Indoor Food Production

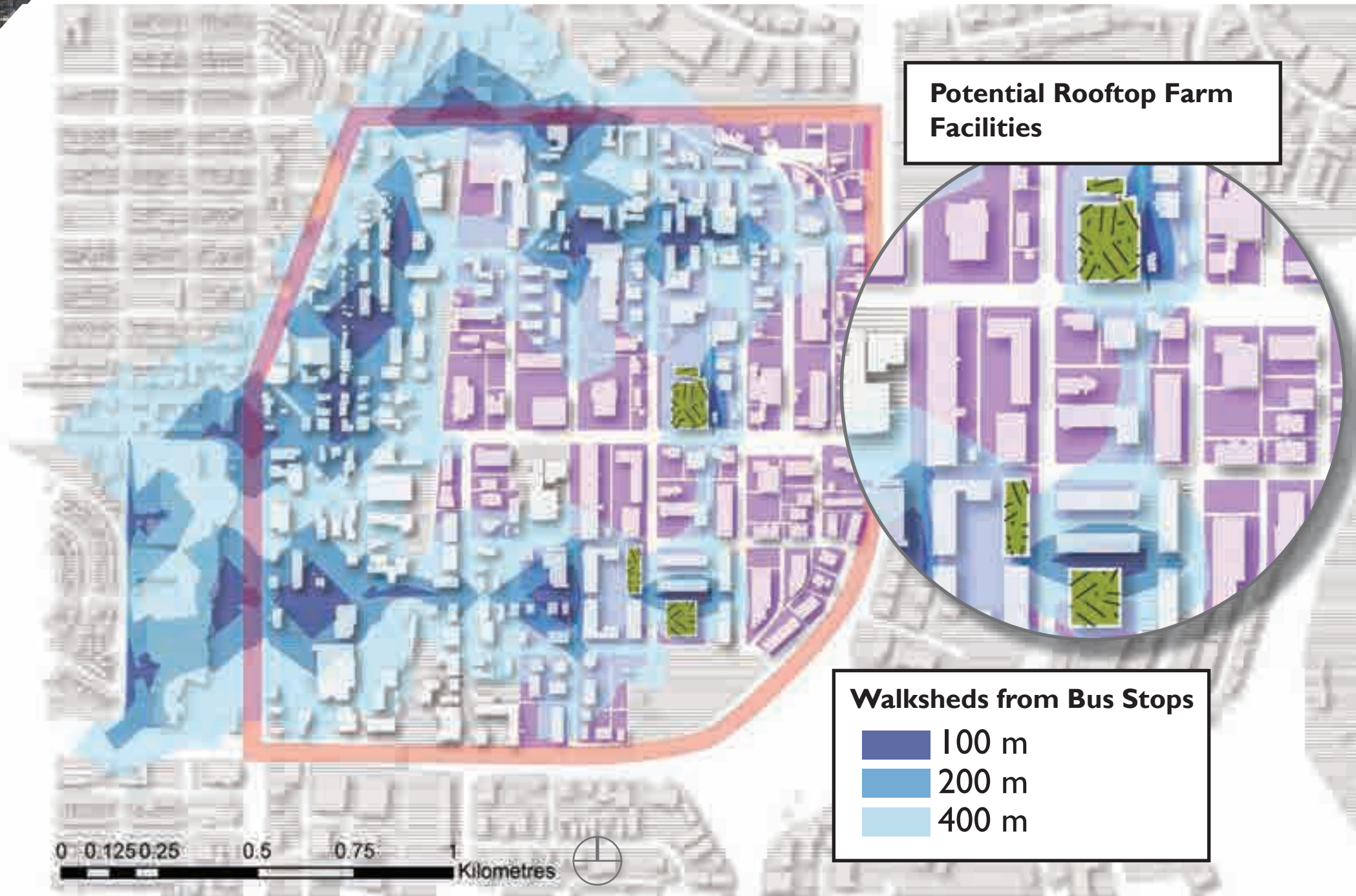
## Potential Indoor Farm Facilities within Proposed Bus Loop Walksheds



# Rooftop Food Production

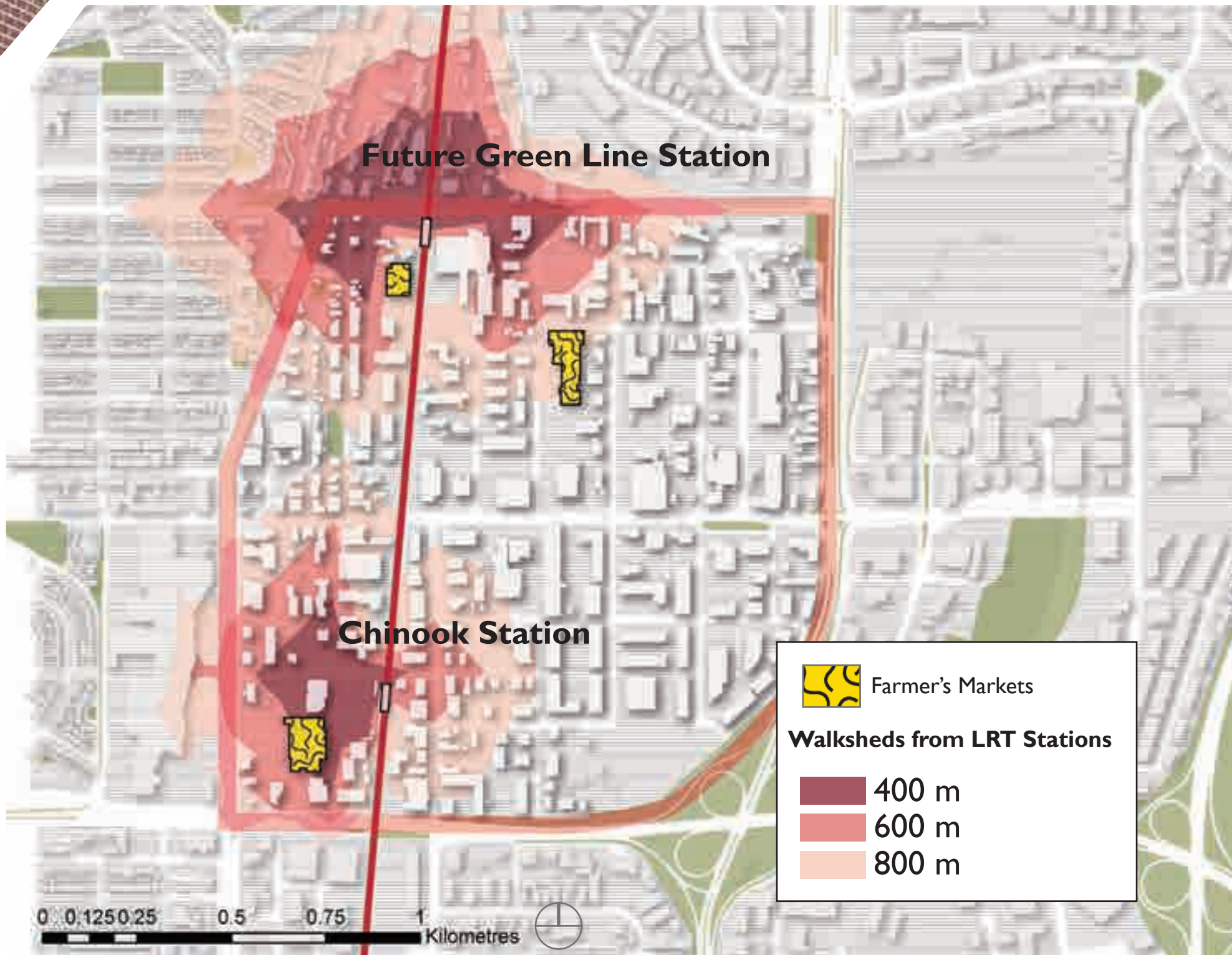


## Potential Rooftop Farm Facilities within Proposed Bus Loop Walksheds

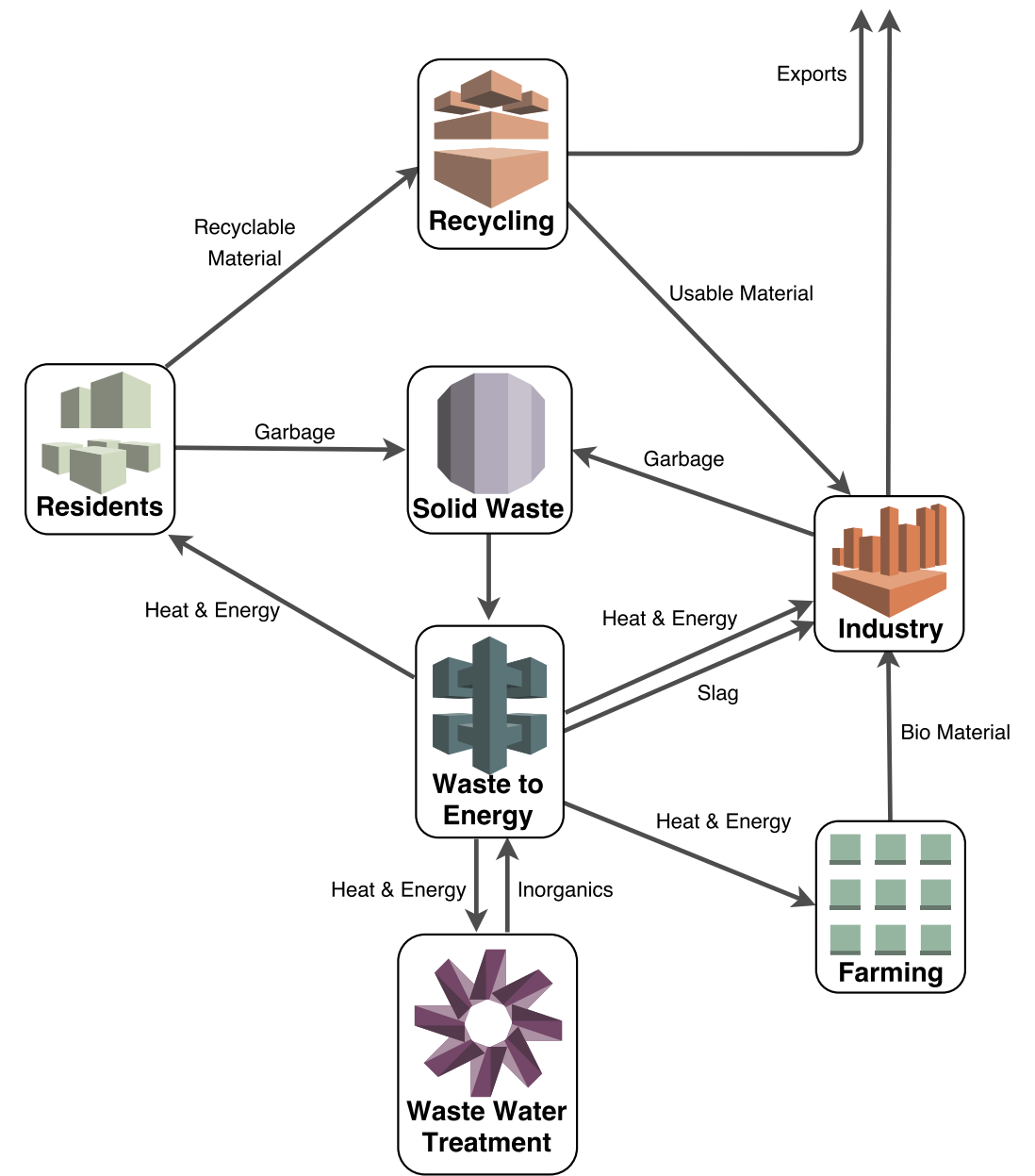


# Farmers' Market

## Potential Farmer's Markets Locations Within LRT Stations



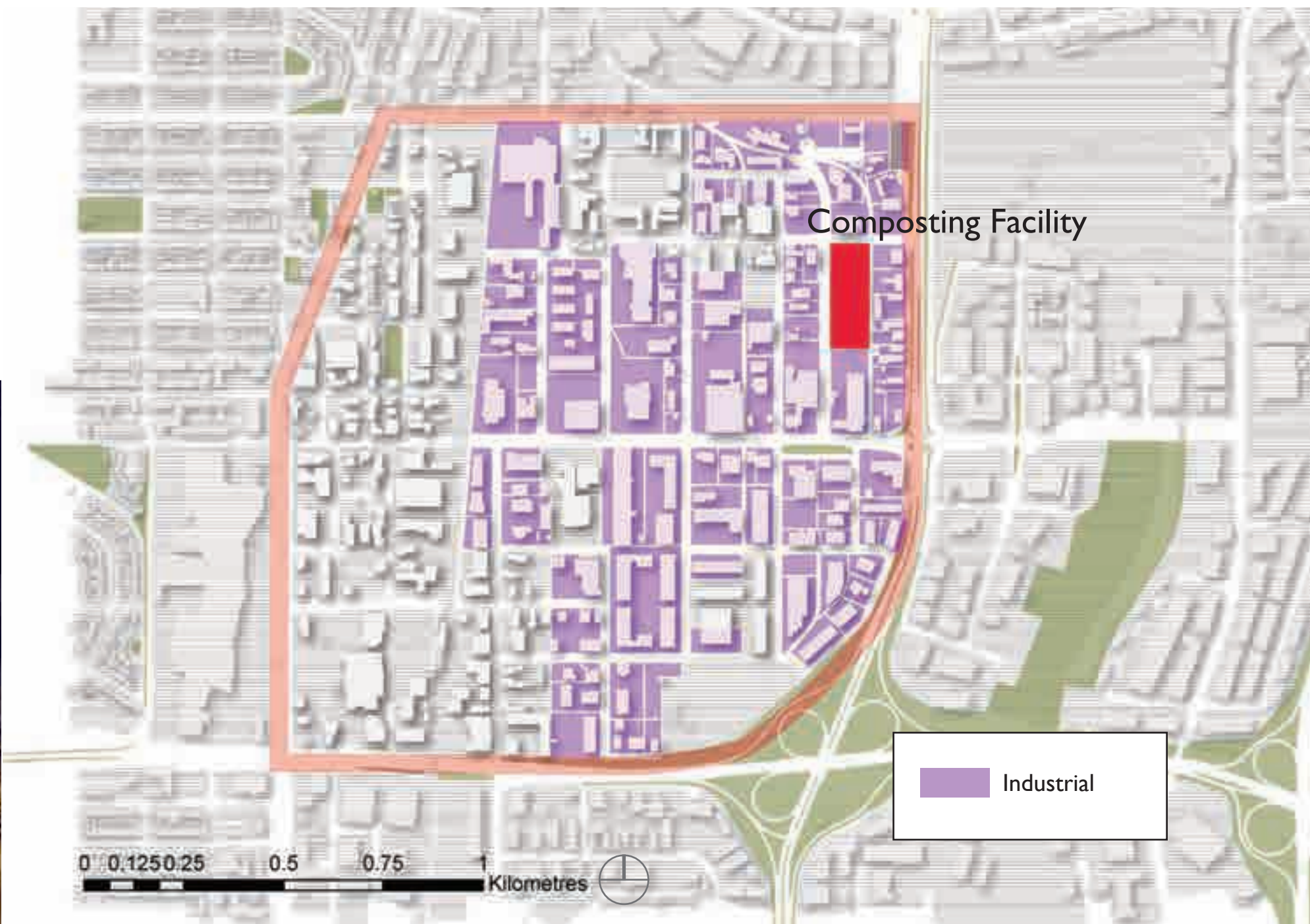
# Waste to Energy



# Composting



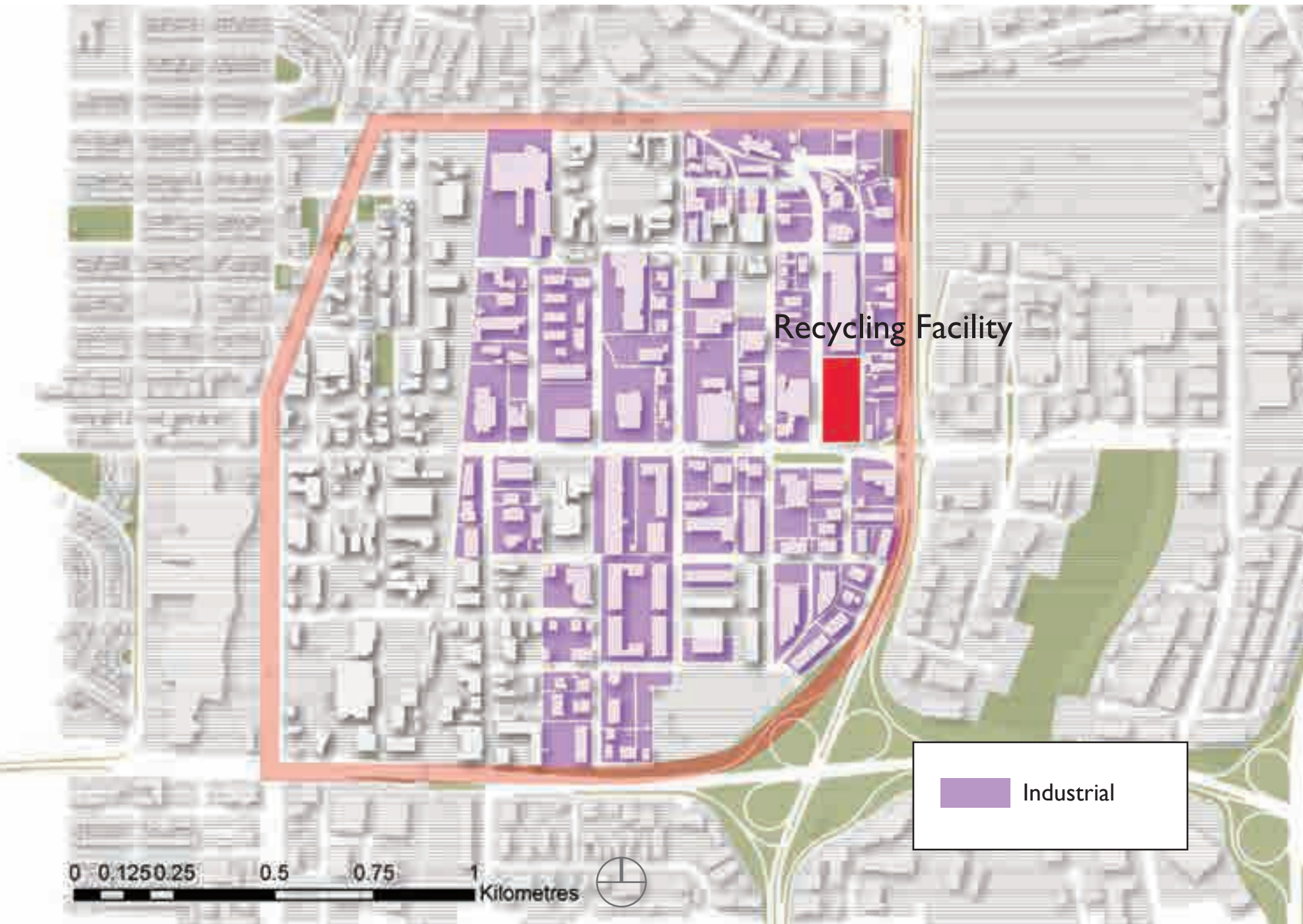
**Proposed Composting Facility**





# Recycling

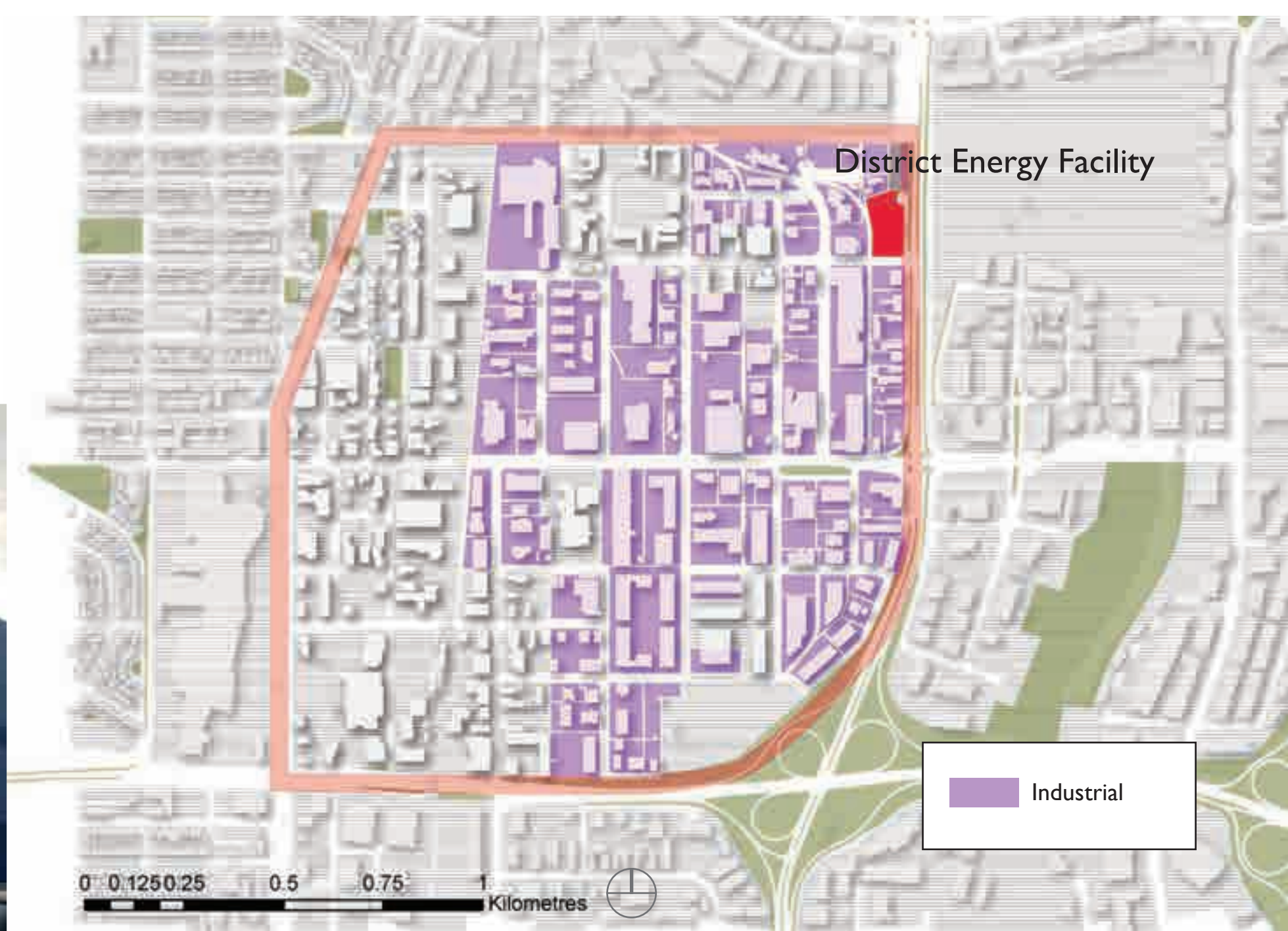
Proposed Recycling Facility



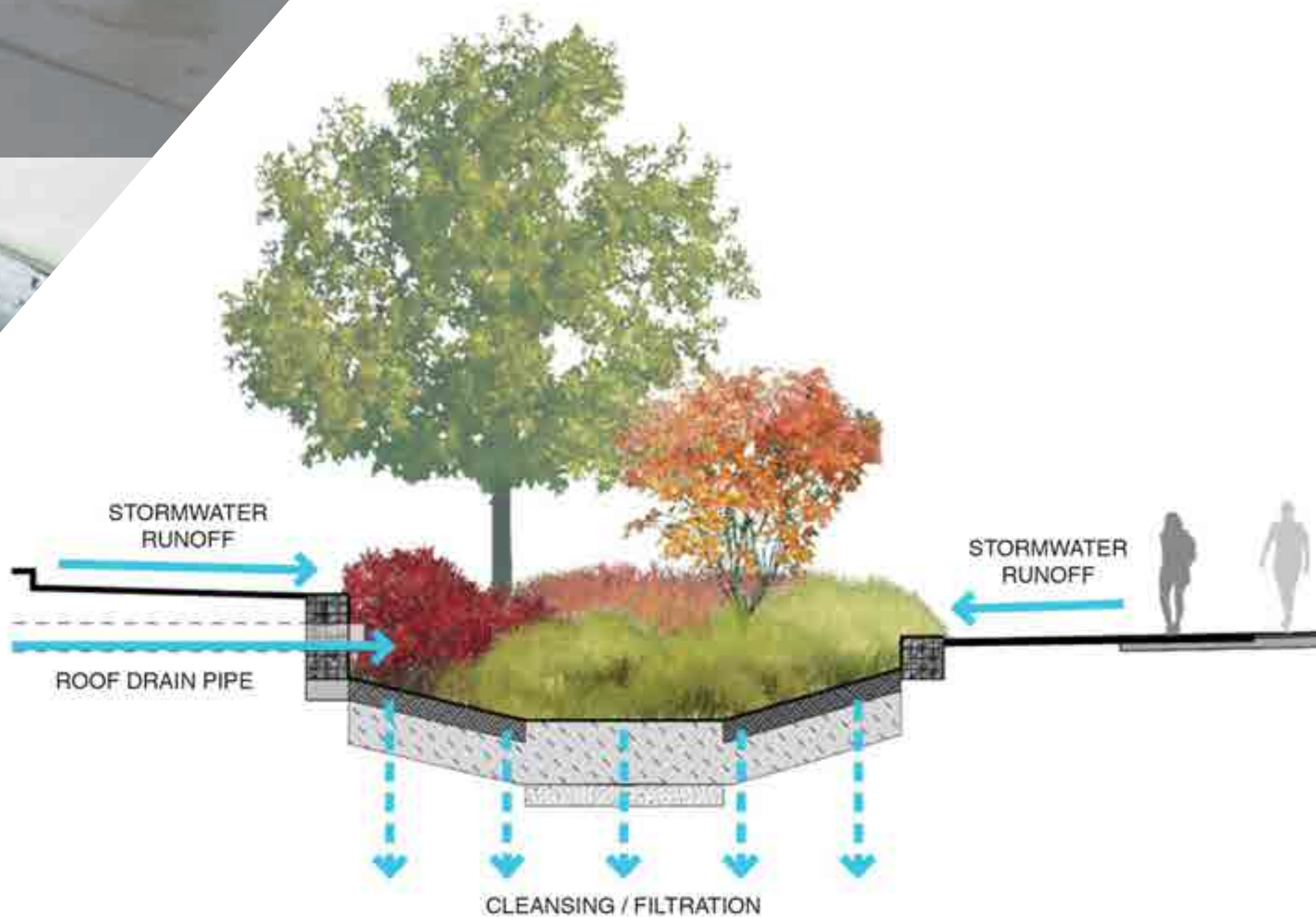
# District Energy



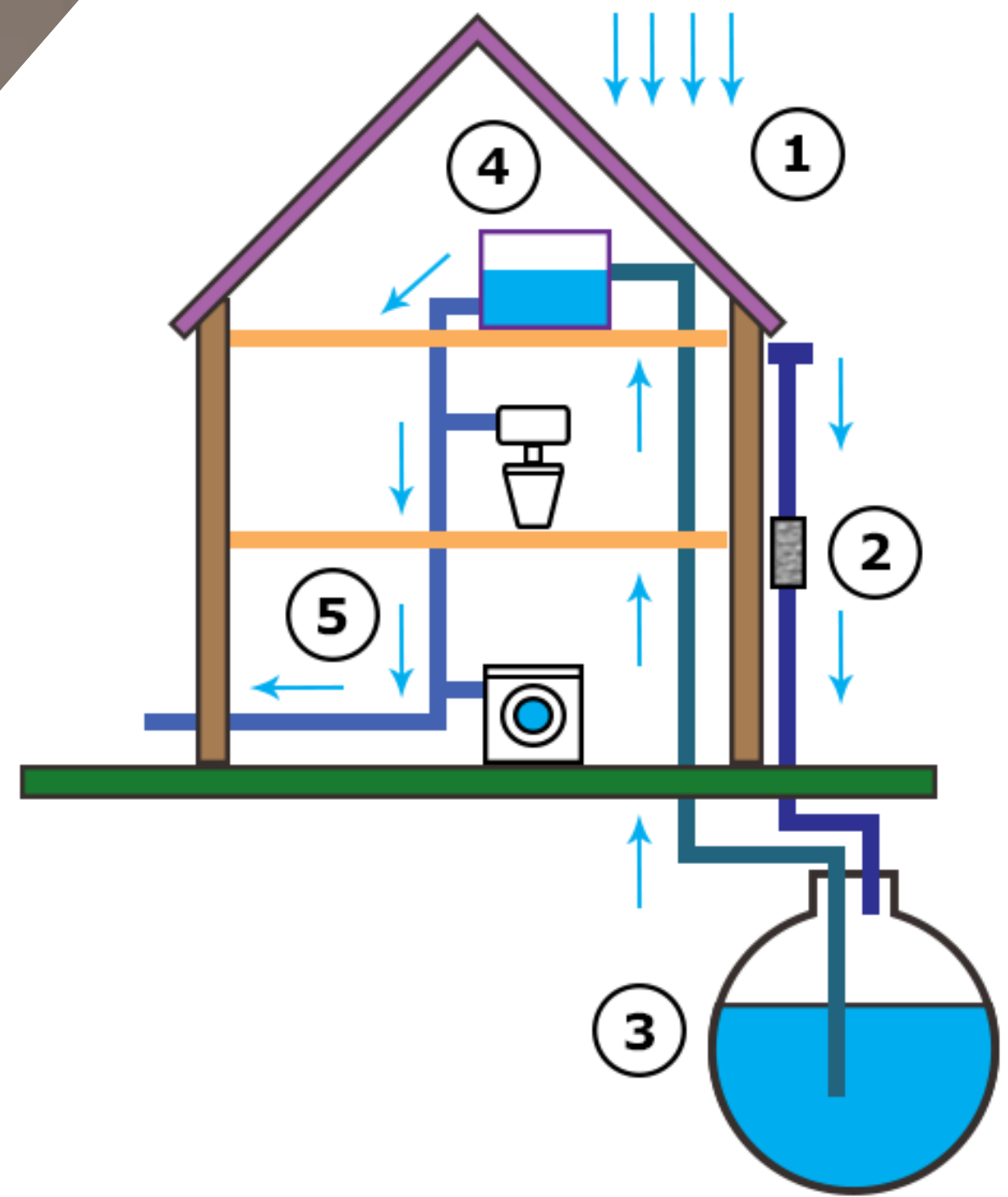
**Proposed District Energy Facility**



# Stormwater



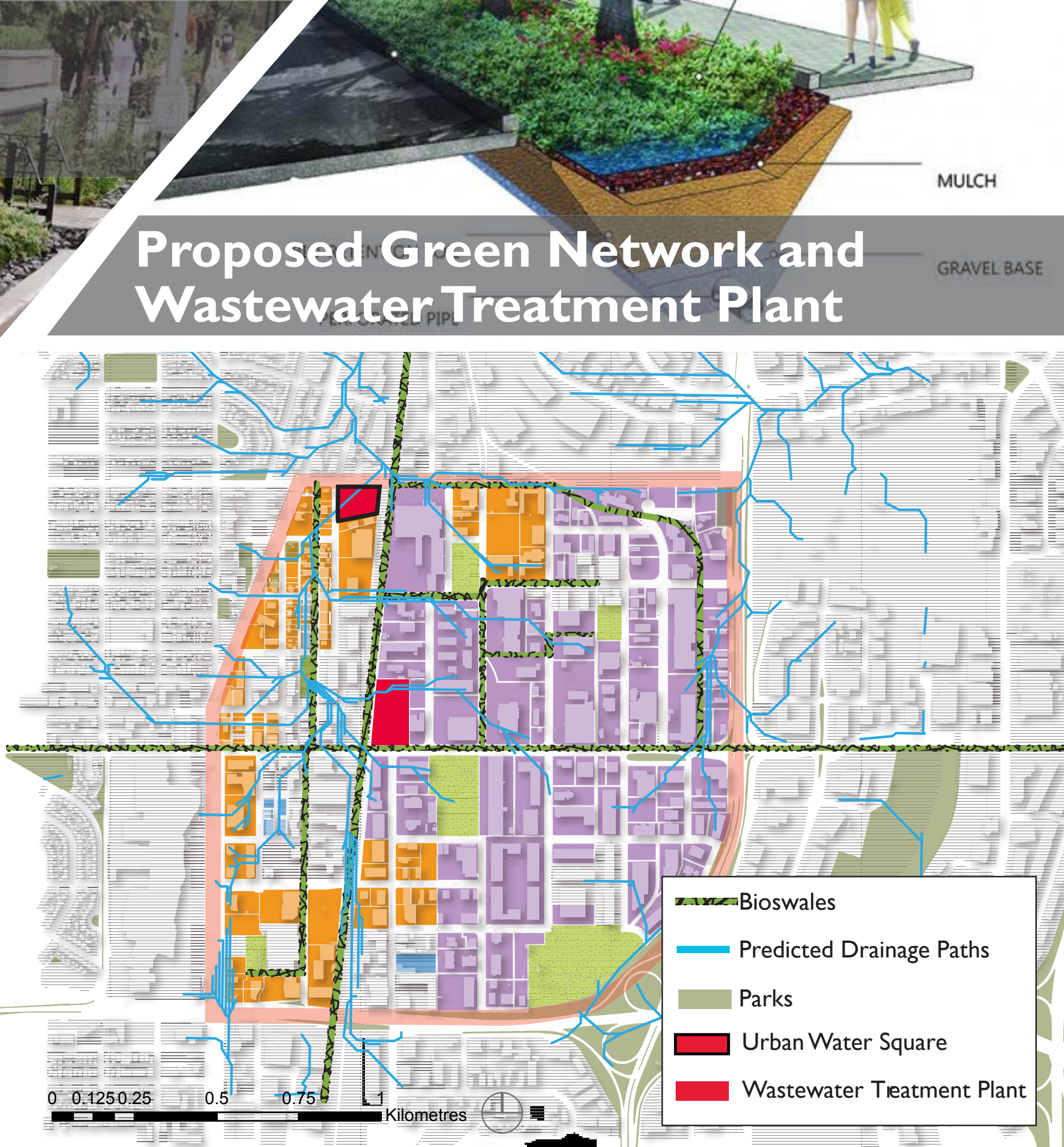
# Rainwater Harvesting



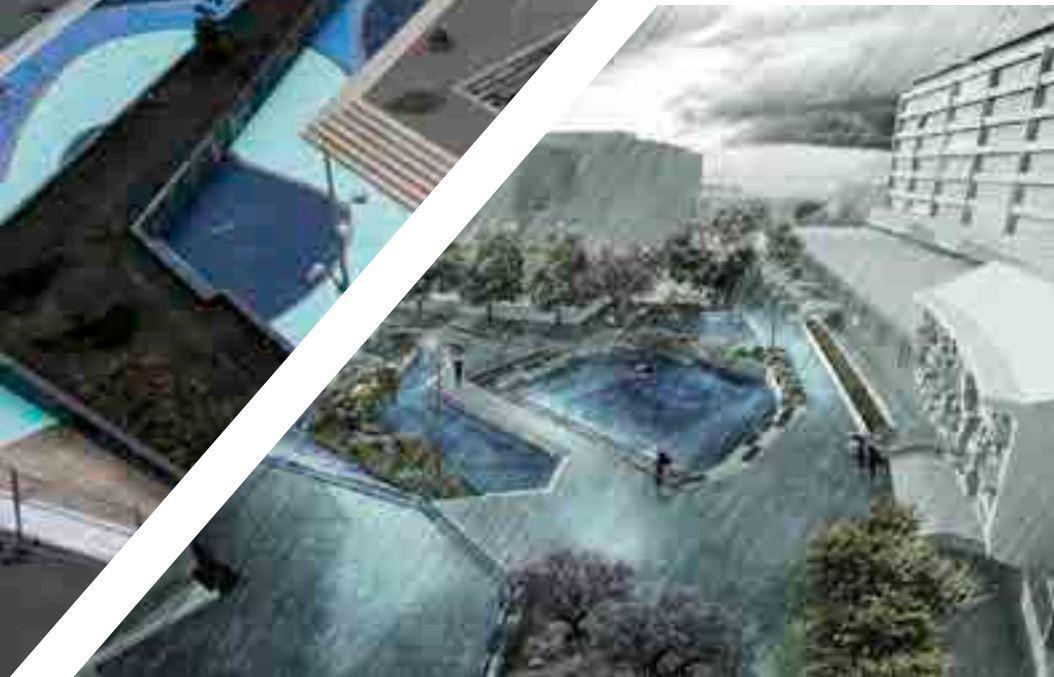
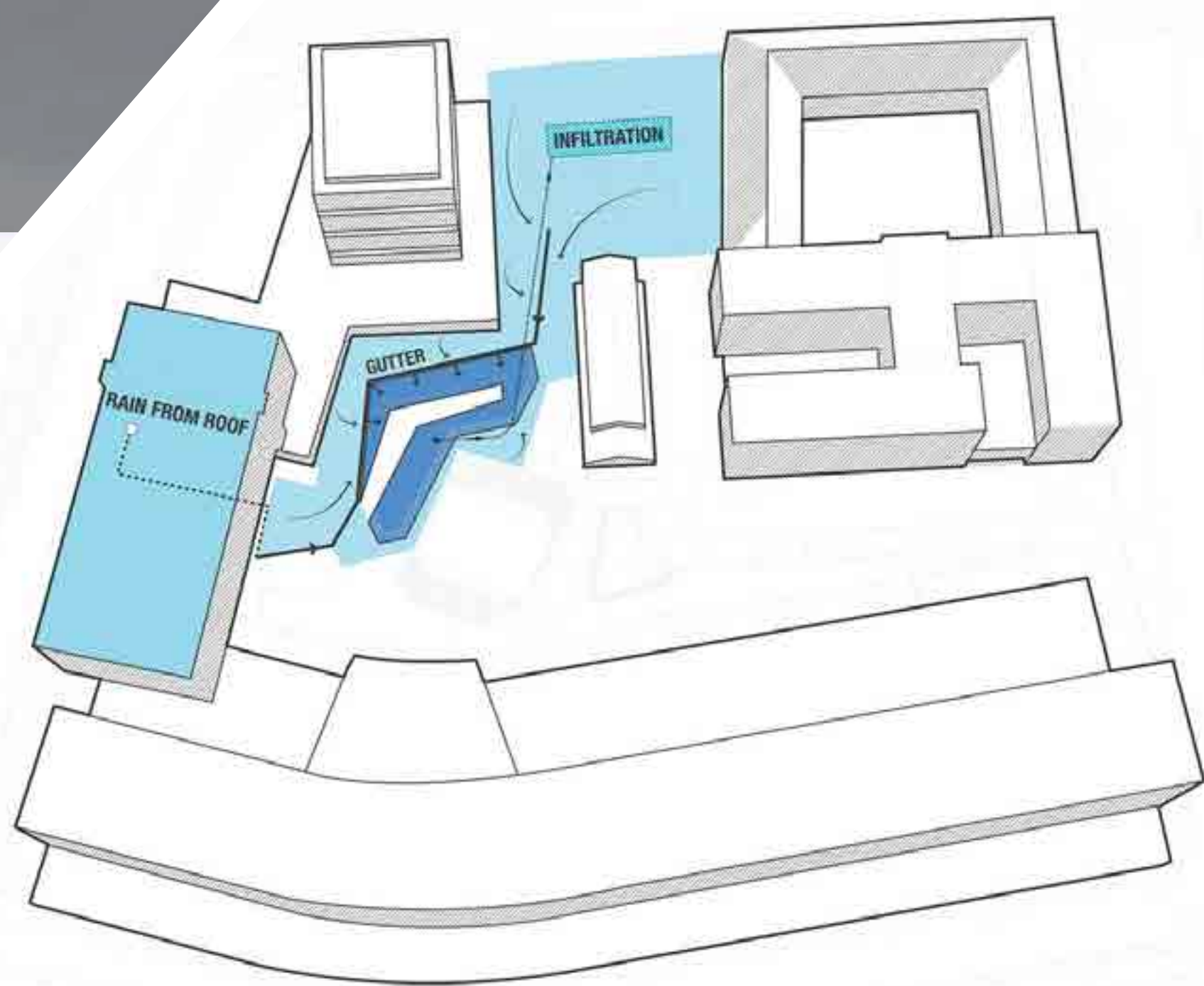
# Bioswales



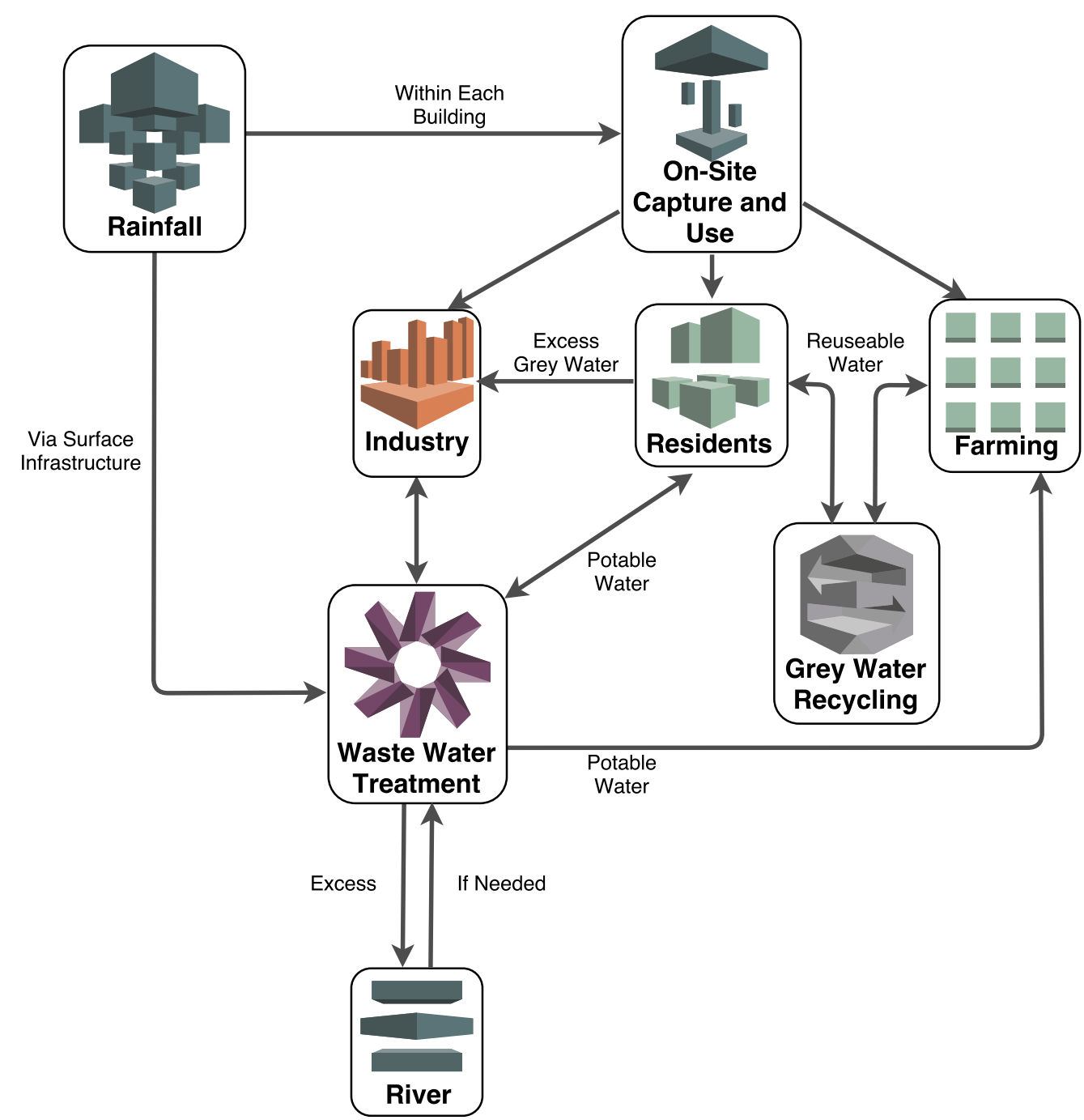
## Proposed Green Network and Wastewater Treatment Plant



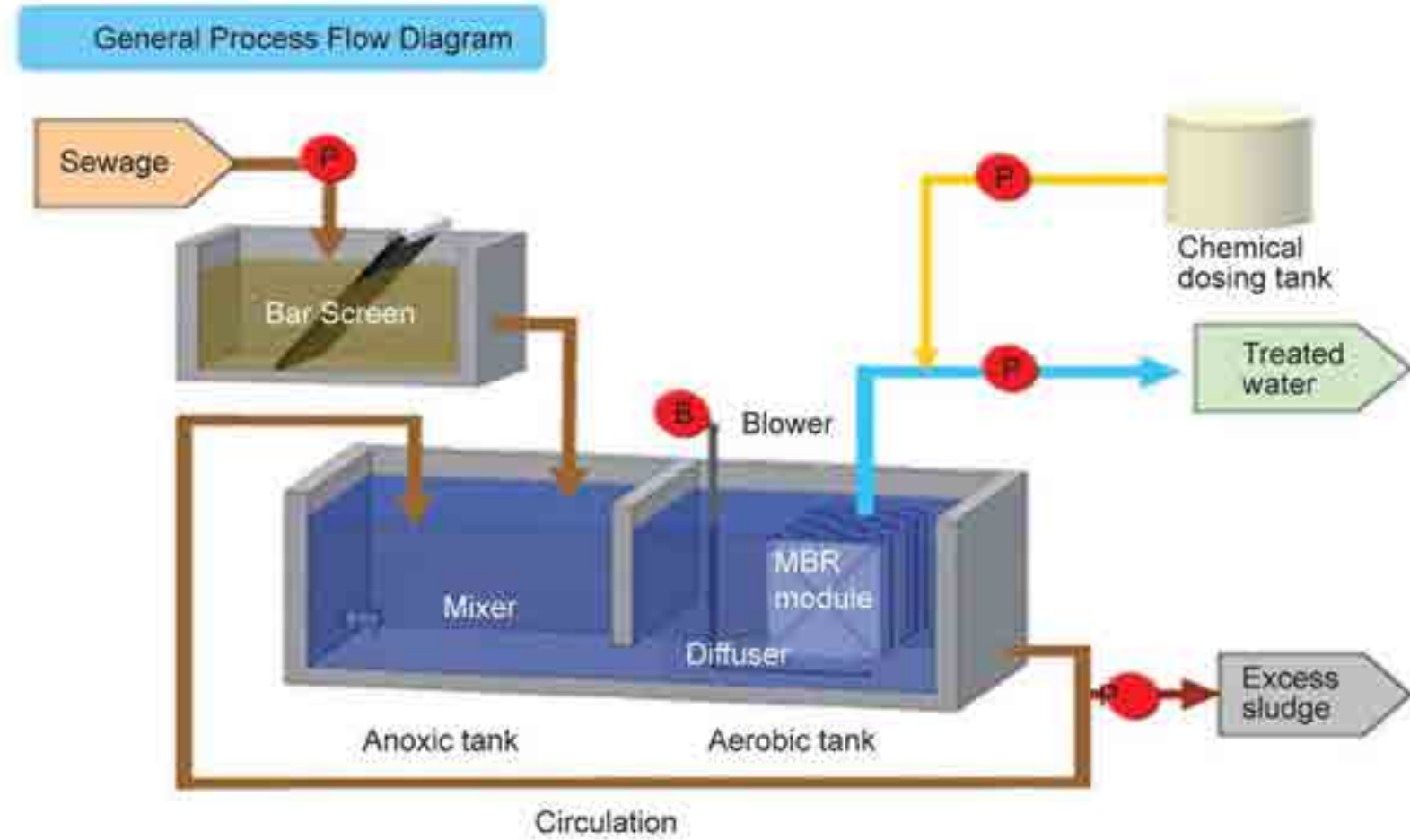
# Water Squares



# Wastewater



# Membrane Bioreactor

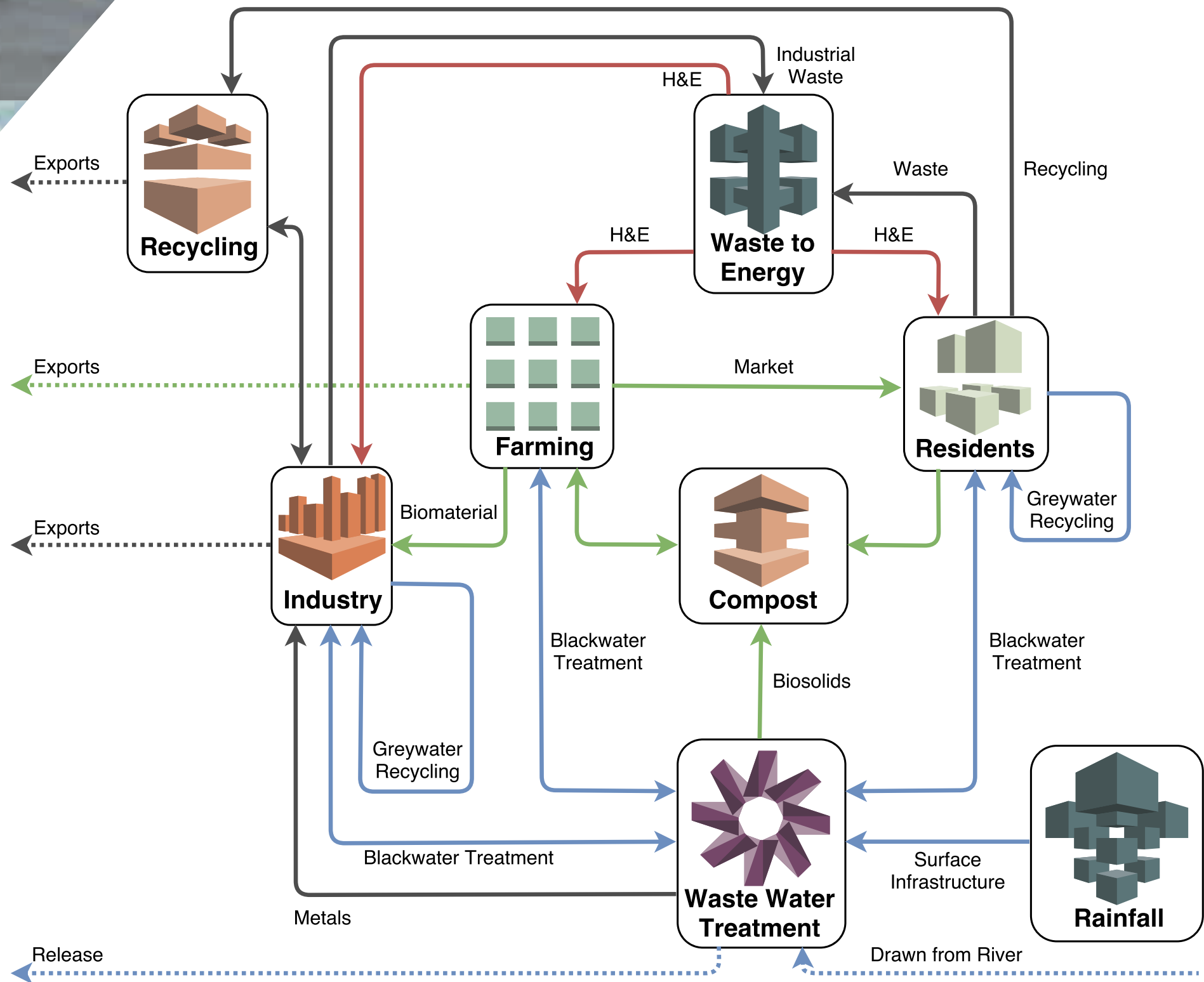




# Treatment Plant



# Integrated System



# Land Use

## Conceptual Land Use Plan



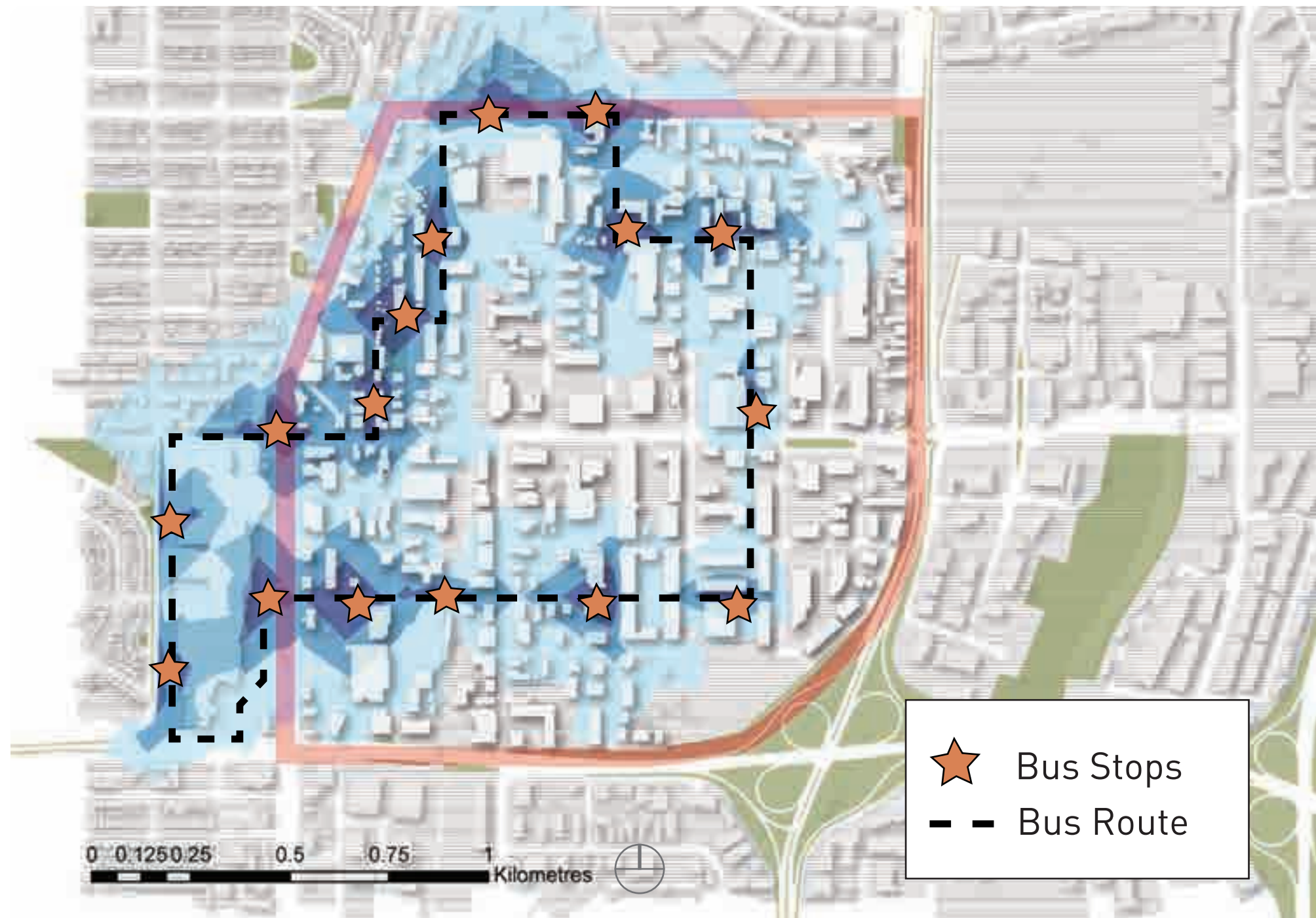
- Park
- Institutional
- Residential
- Mixed Use
- Commercial
- Industrial

0 0.1250.25 0.5 0.75 1 Kilometres

# Mobility



## Proposed Bus Loop



# Challenges



- 1 Reducing water and energy demand
- 2 Capturing maximum amount of stormwater
- 3 The capital costs for farming facilities/solar energy/waste water treatment/ district energy
- 4 The changing nature of industry
- 5 Where does the existing industry that are currently fulfilling necessary services for Calgary relocate?
- 6 Uneven precipitation throughtout the year (summer vs. winter)



# Summary



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