

Transforming an industrial labyrinth into the  
ultimate local food source of Calgary

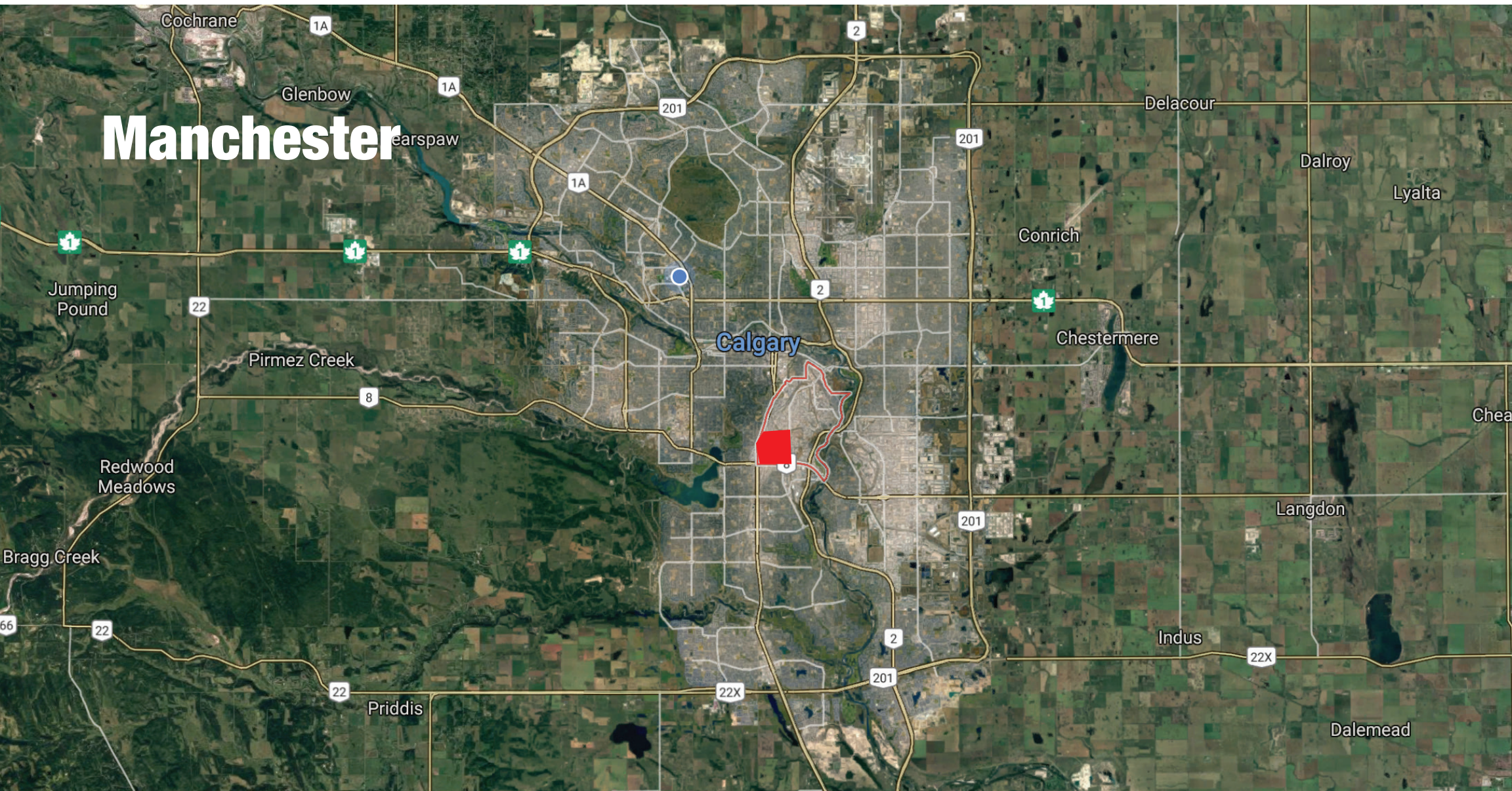
# **I Manchester**

**EVDS 616 Winter 2018**

**Daeun Lee | Karly Do | Thu Ngo | Sheri DeBoer**



# Manchester



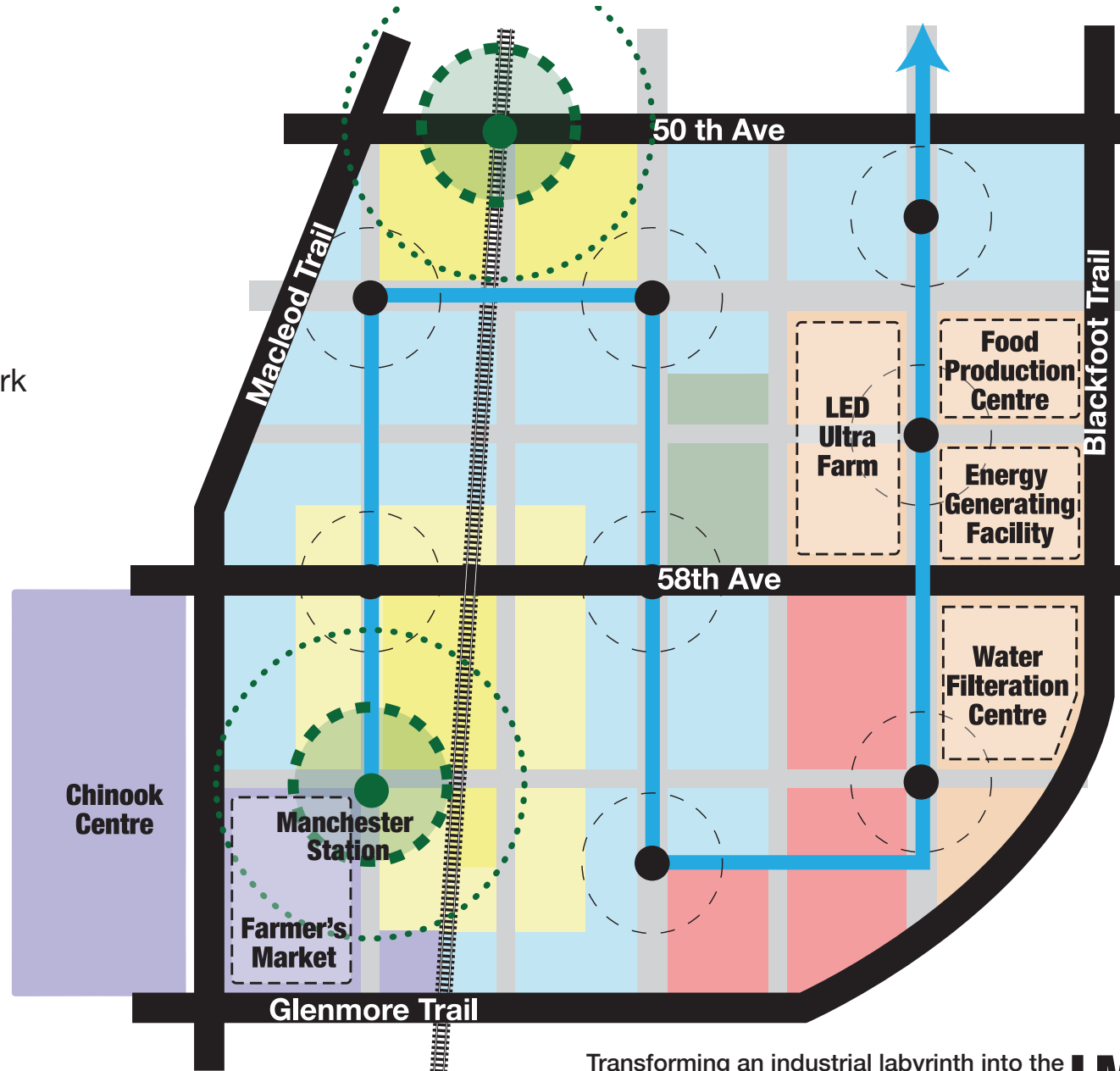
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# Vision

## Legend

- Primary Road
- Secondary Network
- Trolley Network
- Mixed Use
- Industrial
- Mixed 3-5 Storey
- Light Industry
- Commercial
- Green Space



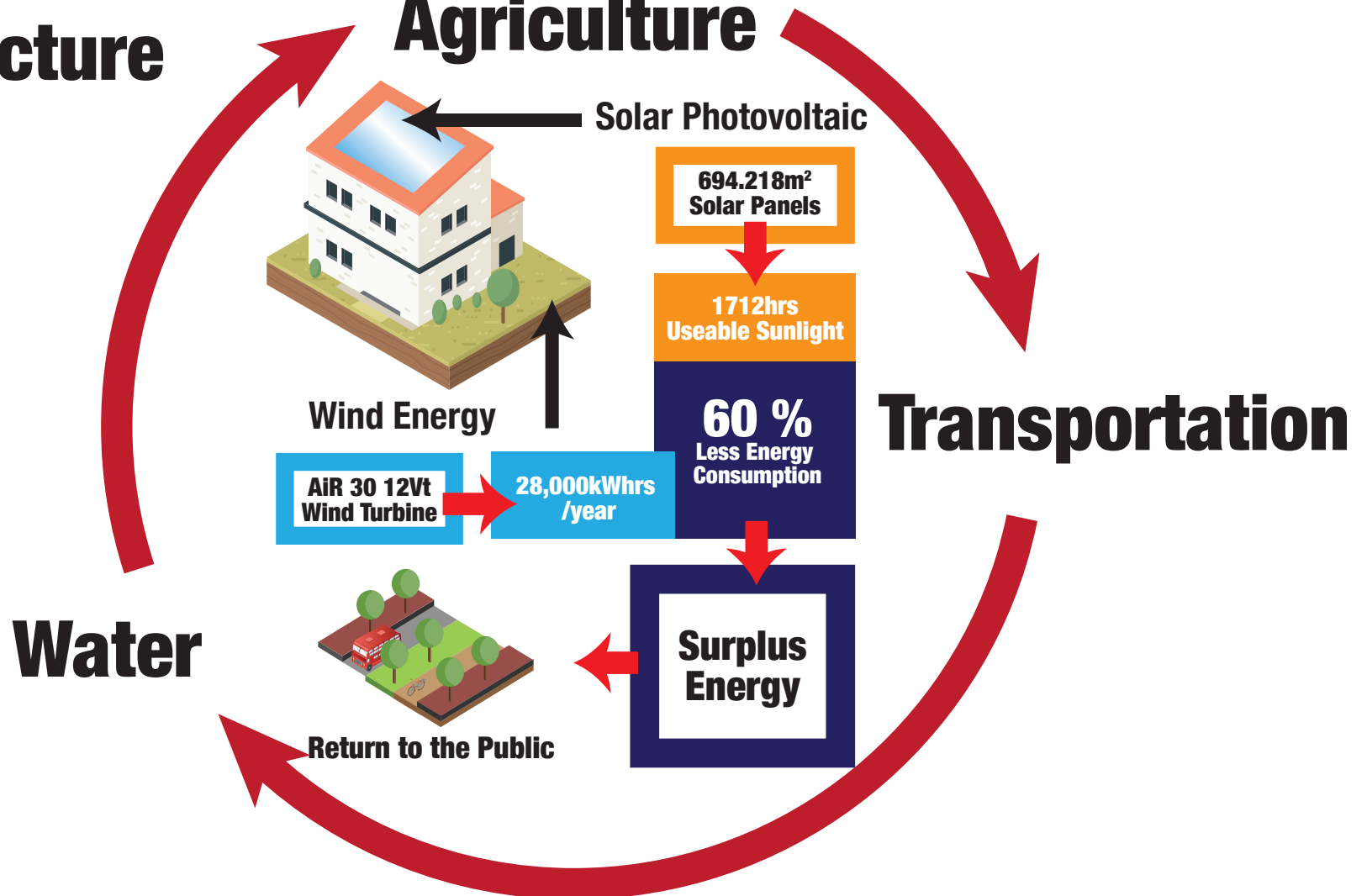
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# Infrastructure Nexus

# Urban Agriculture

# Transportation

# Water

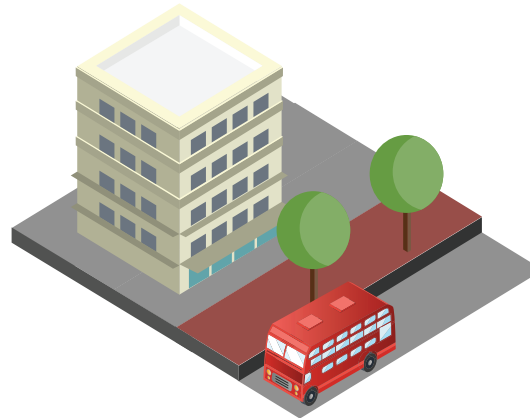


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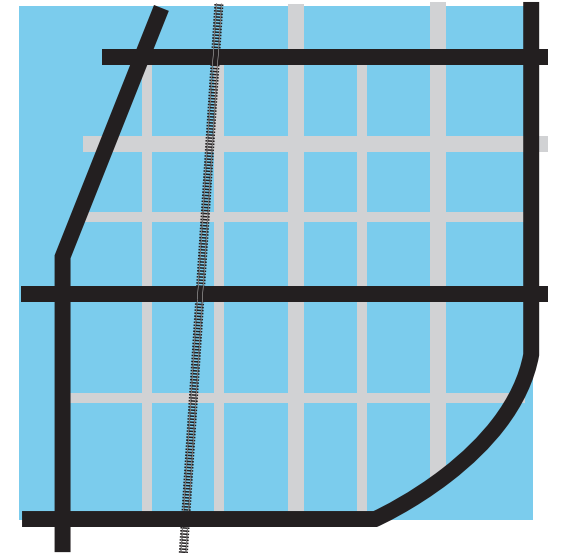
# Proposed Levels of Development



**Building scale**



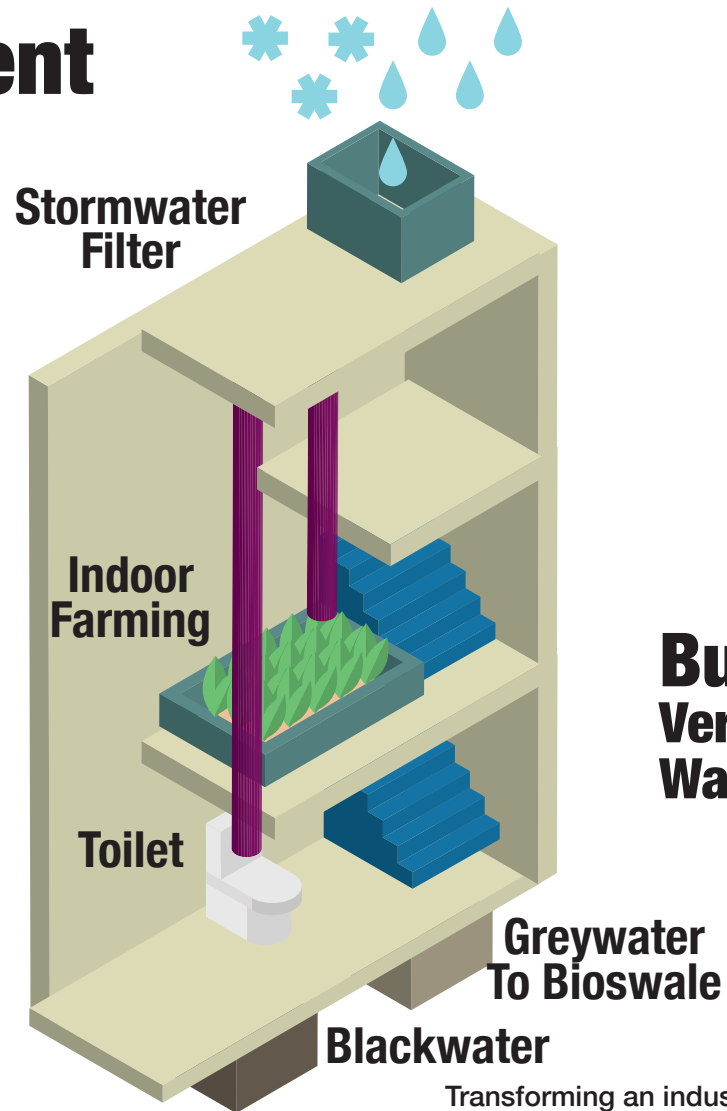
**Street Scale**



**Site scale**

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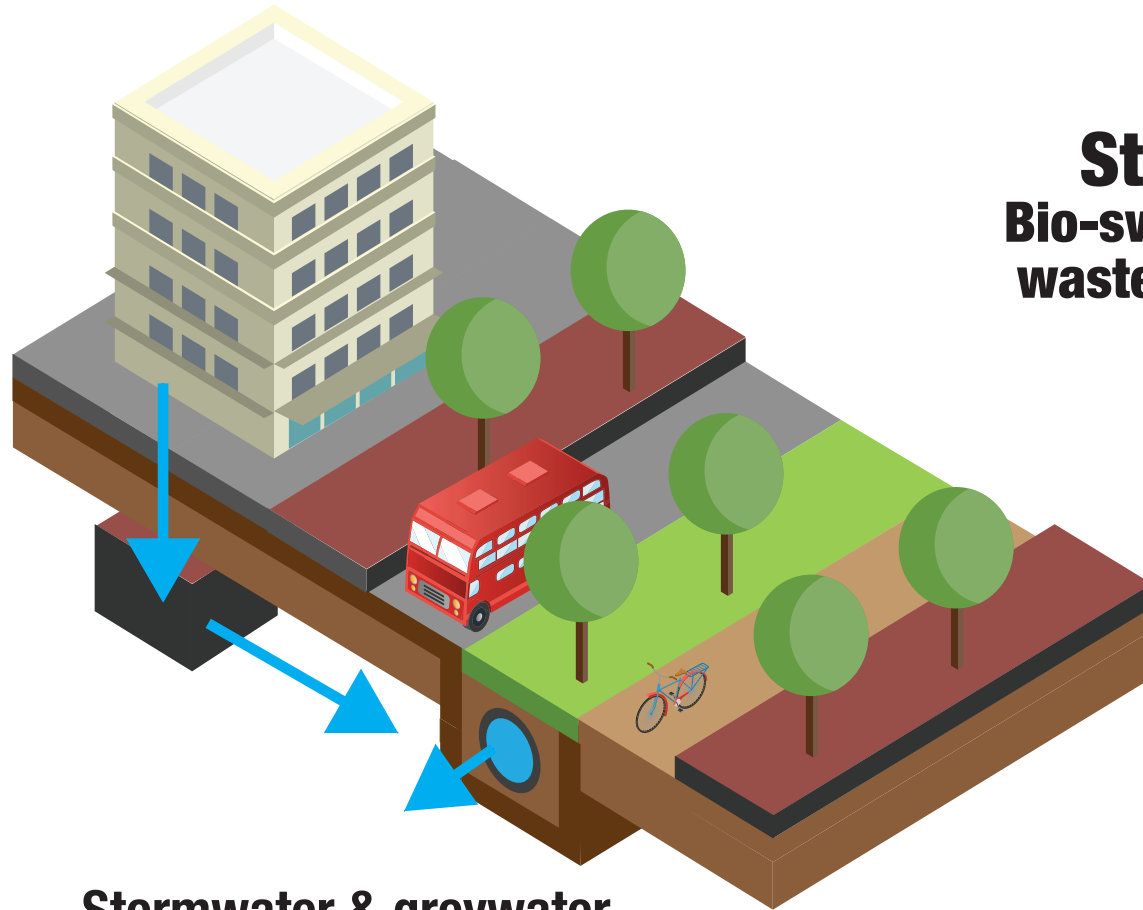
# Water Management



**Building scale:  
Vertical garden and  
Water efficient usage**

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# Water Management

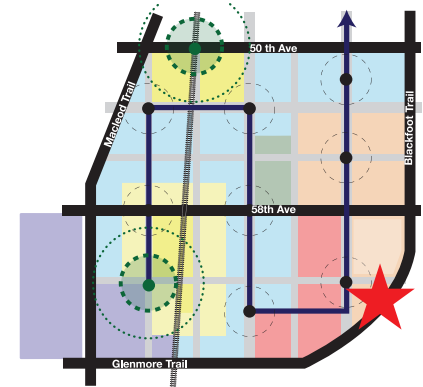
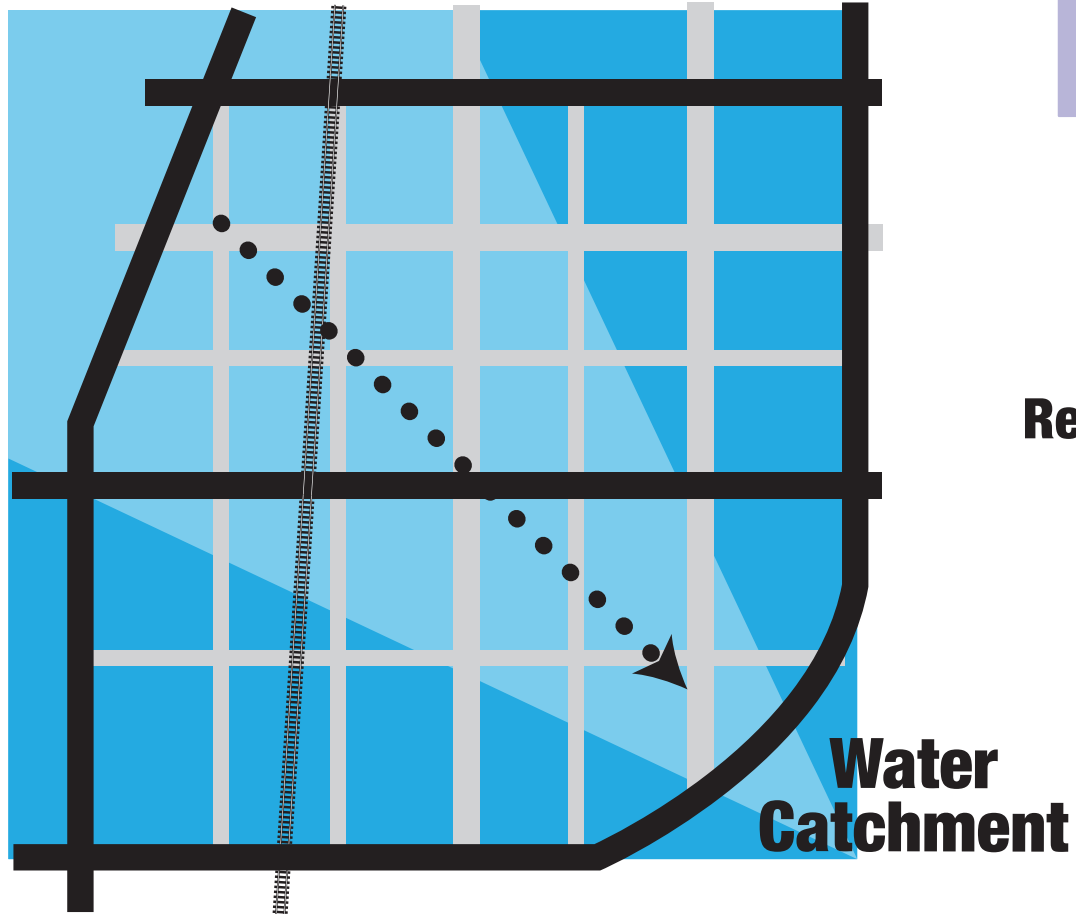


**Street scale:  
Bio-swales improve  
wastewater quality**

**Stormwater & greywater  
To Drainage System**

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# Water Management



**Water Treatment Facility**

**Site scale:  
Reusing greywater  
for irrigation**

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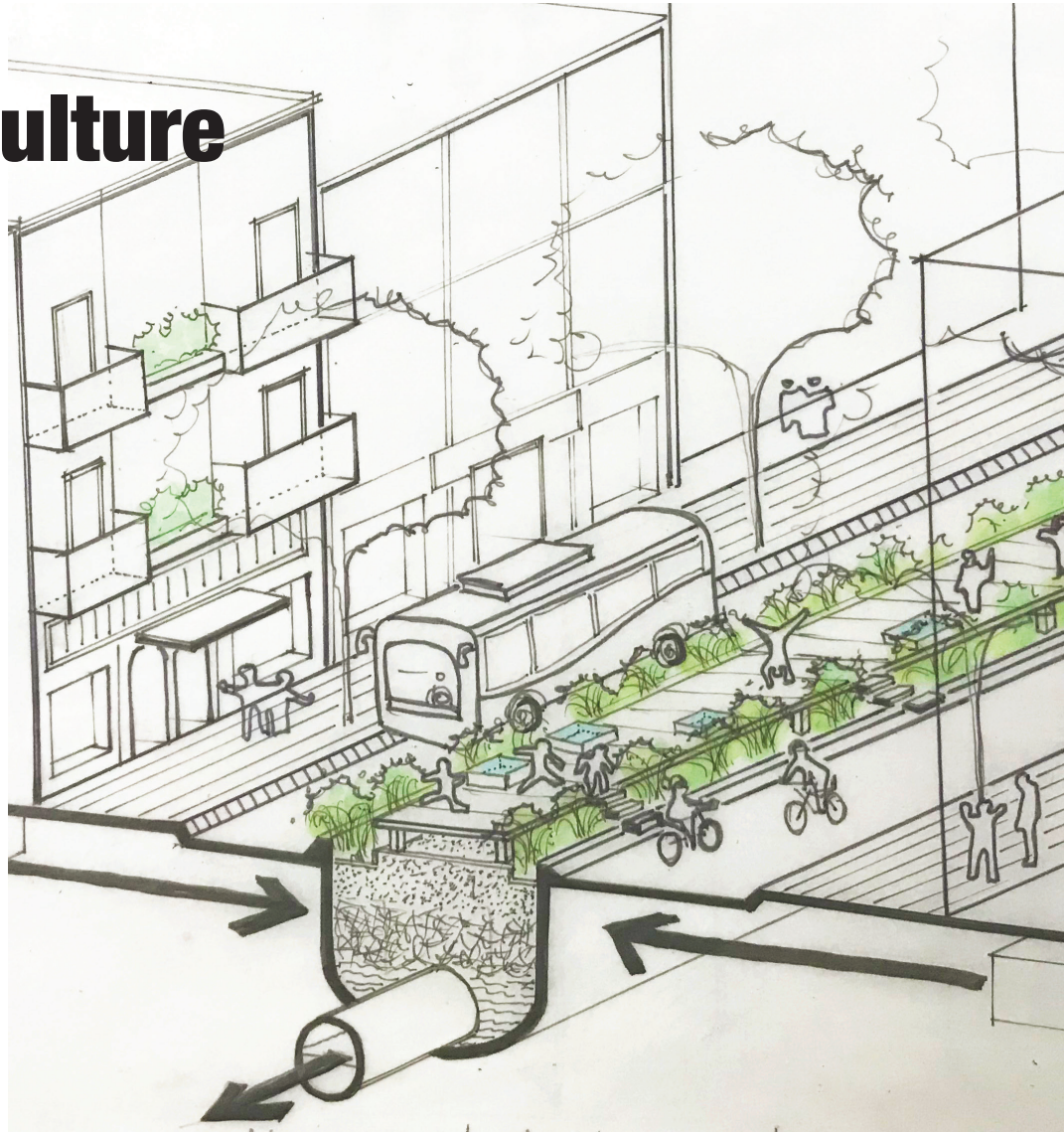


# Urban Agriculture



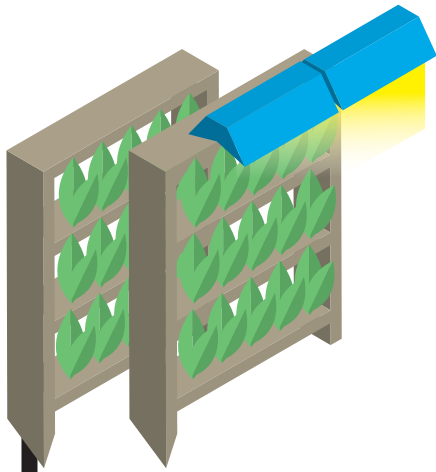
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# Urban Agriculture

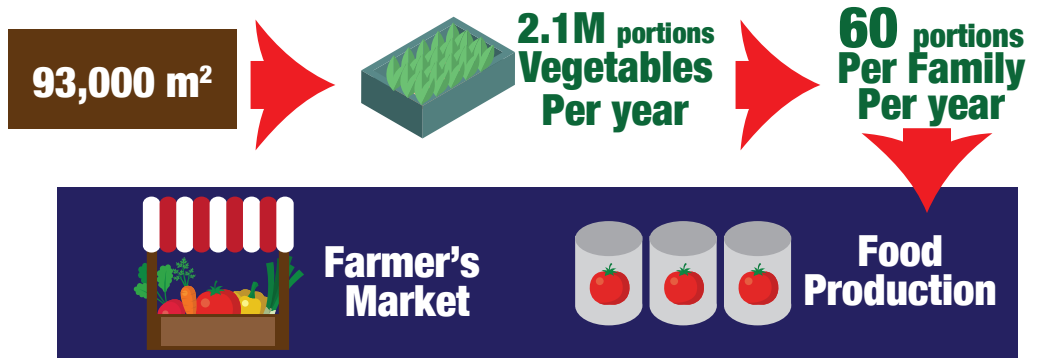


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# Urban Agriculture



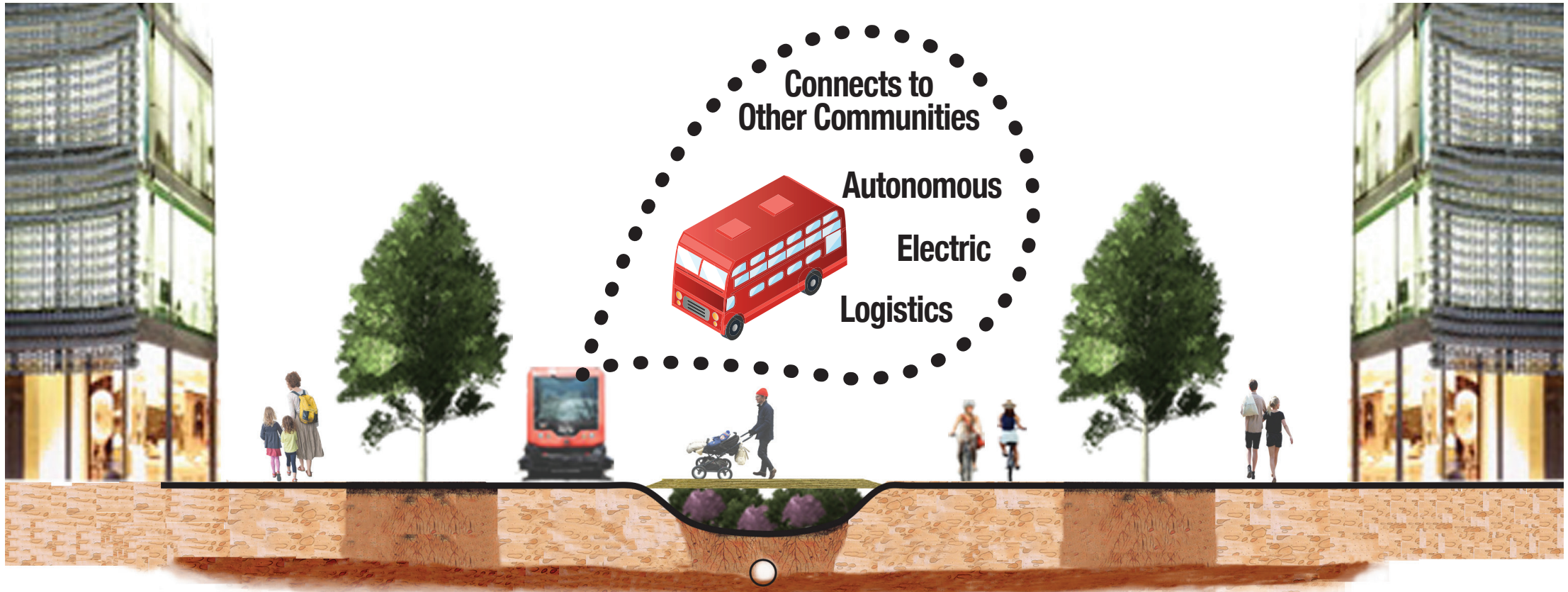
LED Ultra Farming



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# Trolley Network



**Vegetated  
Boulevard**

**Autonomous  
Trolley**

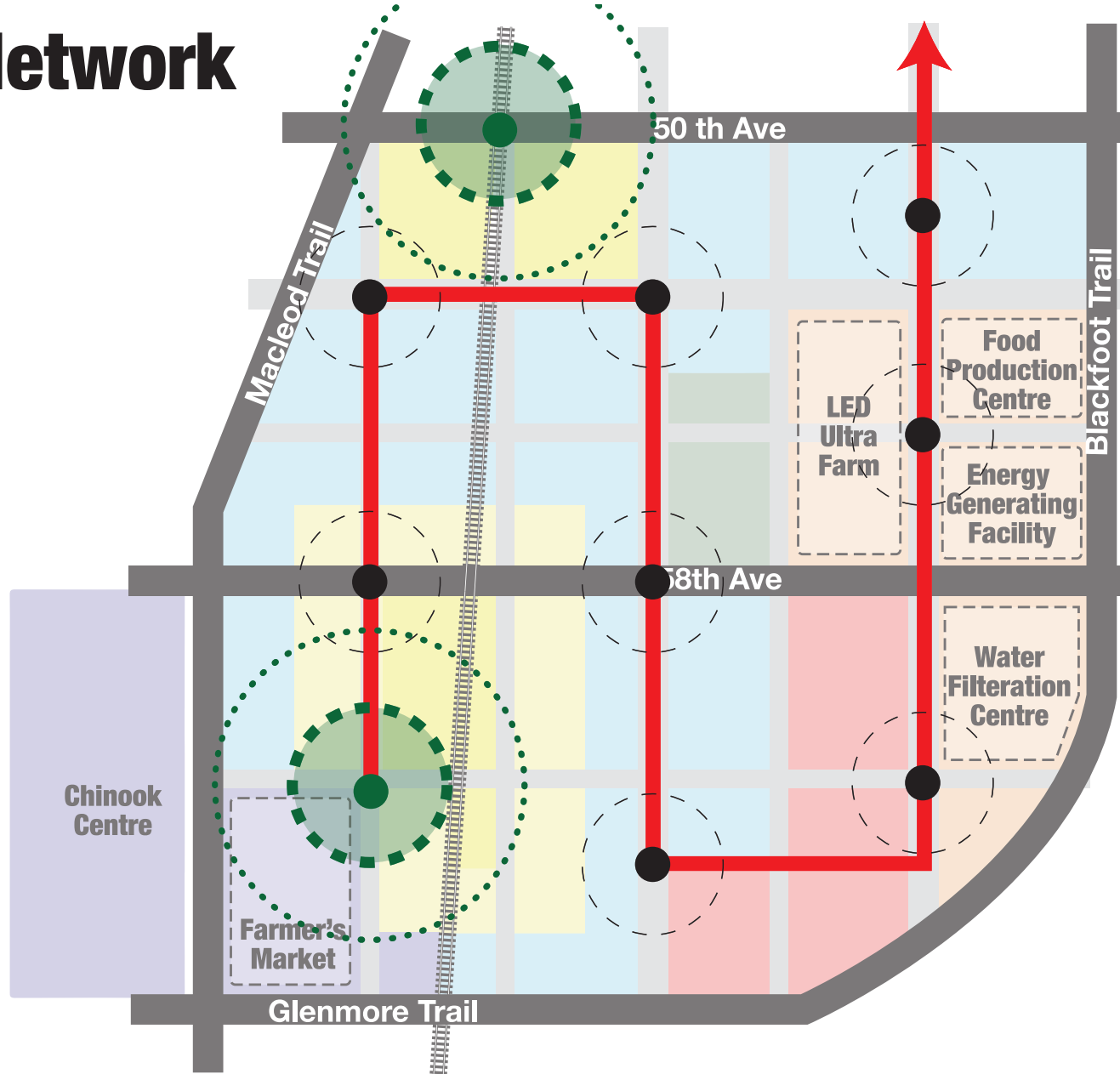
**Board walk  
/Bioswale**

**Permeable  
Cycle path**

**Permeable  
Sidewalk**

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# Trolley Network







# Manchester Community



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