a convenient system that promotes active modes of transportation

Green Gateway

LRT Red Line

Streetcar Line

Streetcar Stop

Communal Parking

Pedestrian Street

LRT Station

Garage

CN Railway

WALKING **BIKING TRANSIT**

15 minute neighbourhood with high-density, mixed-use communities within a 450m radius of

LRT TOD COMMUNITIES

50th Avenue SE Station integrated along the existing LRT line to widen the catchment area (NOTE LENGTH BTW THE TWO CURRENT STATIONS)

Multi-Transportation Junction located at each LRT station that includes bike-share services, community streetcar, and bus

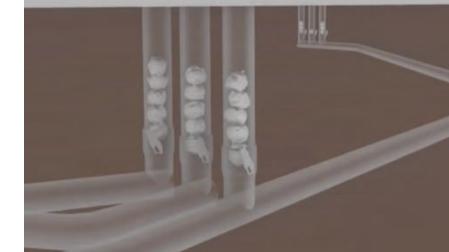


Brentwood Town Centre, Burnaby

PEDESTRIAN STREET TYPOLOGIES

- Pedestrian focus for street and sidewalk typologies that are structured for the comfort and safety of pedestrian move-
- Create a pedestrian street on 58th Avenue SE to reduce the 39,000 vehicles per day that utilize the street
- Kinetic energy harvesting from footsteps by integrating Pavegen tiles on the pedestrian street, as well as other areas with high pedestrian traffic volumes
- Envac Automated Waste Collection System performs all garbage collection and removal below ground to reduce





Envac Automated Waste Removal

124,000 vehicles p/day on internal roads with **39,000** on 58th Avenue SE

UTILITY ROAD GREEN GATEWAY

- **Community food garden** located on the western edge of the LRT utility road
- Rain water captivation for garden production
- **District compost** used for garden production
- Adjacent walking and biking path that runs along the LRT line to create a multi-dimensional community interface

RECREATIONAL STORMWATER POND

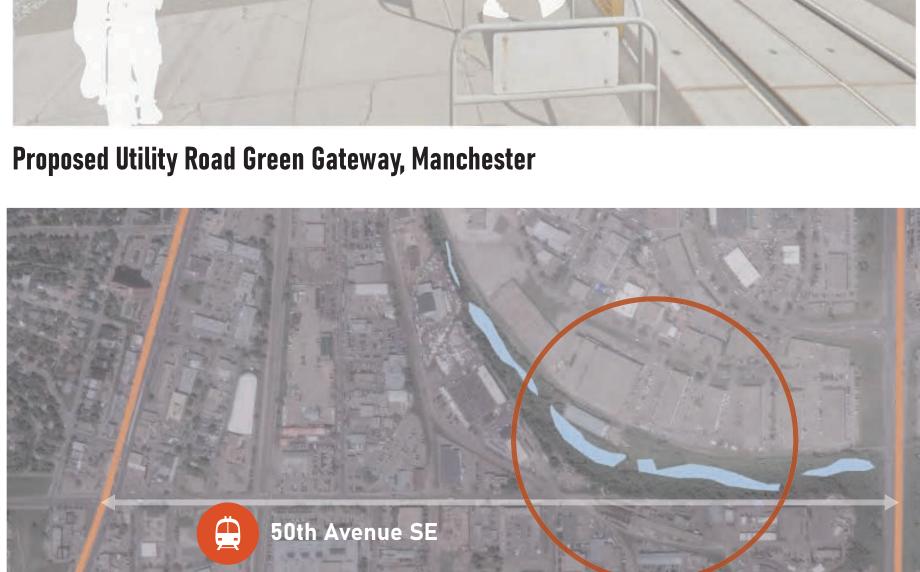
- **Social outdoor hub** that uses the stormwater pond as the centerpiece
- Recreational walking paths surrounding the pond
- Focus on taking the invisible to visible by immersing people within infrastructure that is often concealed



Historic Fourth Ward Park, Atlanta

Pavegen Tiles on Oxford Street, London COMMUNAL PARKING GARAGES

- Strategic arterial locations to reduce vehicular entry into the community and residential roadways
- Multi-modal transportation options conveniently located at the garages for user connectivity
- Electric vehicle charging stations located at most stalls
- Solar roof-panels to generate energy to charge electric vehicles
- **Roof rain gardens** located on some of the garages to help with stormwater retention





Proposed Recreational Stormwater Pond Locations, Manchester



Freiburg, Germany



"OsterGro" in Osterbro, Denmark

PEDESTRIAN WALKWAY

SIDEWALK



Proposed Pedestrian Street on 58th Avenue SE, Manchester



SIDEWALK