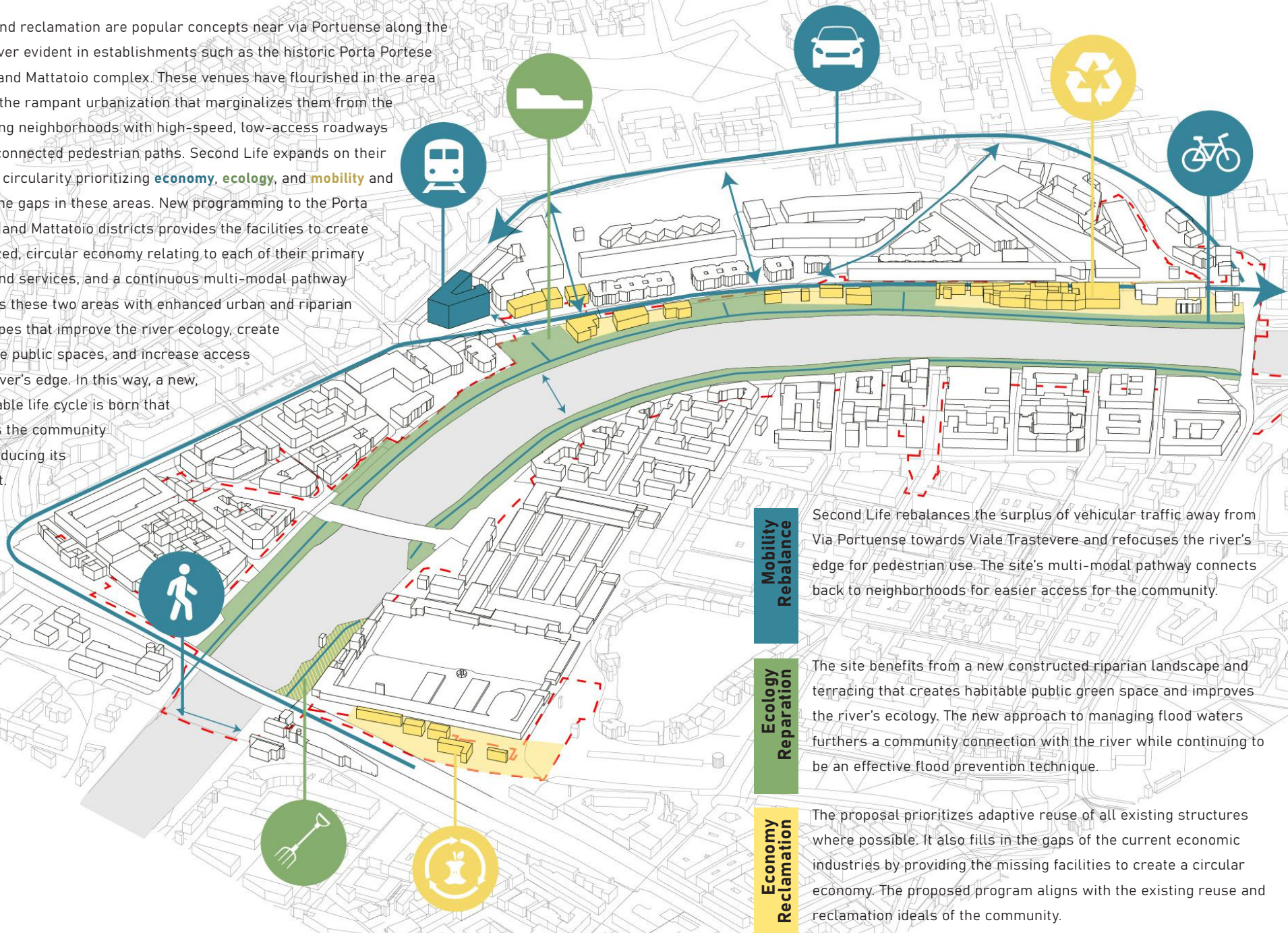


SECOND LIFE: Reclamation at the river's edge

Reuse and reclamation are popular concepts near via Portuense along the Tiber River evident in establishments such as the historic Porta Portese Market and Mattatoio complex. These venues have flourished in the area despite the rampant urbanization that marginalizes them from the expanding neighborhoods with high-speed, low-access roadways and disconnected pedestrian paths. Second Life expands on their spirit of circularity prioritizing **economy, ecology, and mobility** and fills in the gaps in these areas. New programming to the Porta Portese and Mattatoio districts provides the facilities to create a localized, circular economy relating to each of their primary goods and services, and a continuous multi-modal pathway connects these two areas with enhanced urban and riparian landscapes that improve the river ecology, create habitable public spaces, and increase access to the river's edge. In this way, a new, sustainable life cycle is born that engages the community while reducing its footprint.



Mobility Rebalance

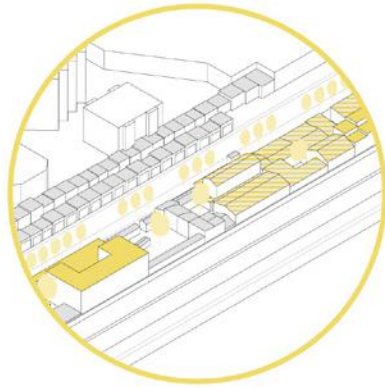
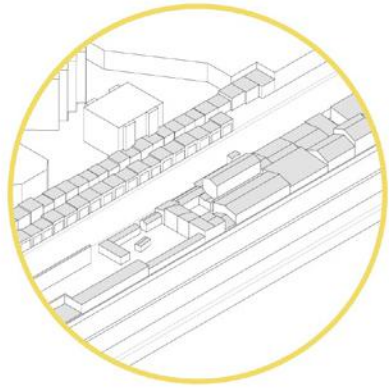
Second Life rebalances the surplus of vehicular traffic away from Via Portuense towards Viale Trastevere and refocuses the river's edge for pedestrian use. The site's multi-modal pathway connects back to neighborhoods for easier access for the community.

Ecology Reparation

The site benefits from a new constructed riparian landscape and terracing that creates habitable public green space and improves the river's ecology. The new approach to managing flood waters furthers a community connection with the river while continuing to be an effective flood prevention technique.

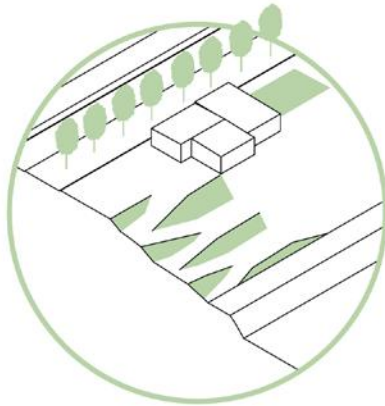
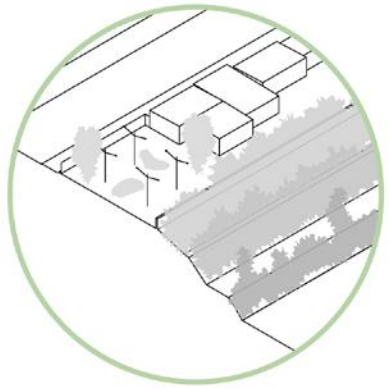
Economy Reclamation

The proposal prioritizes adaptive reuse of all existing structures where possible. It also fills in the gaps of the current economic industries by providing the missing facilities to create a circular economy. The proposed program aligns with the existing reuse and reclamation ideals of the community.



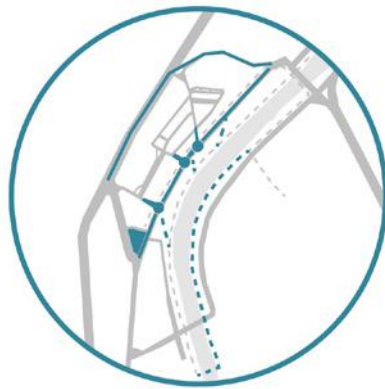
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Ecological Reparation

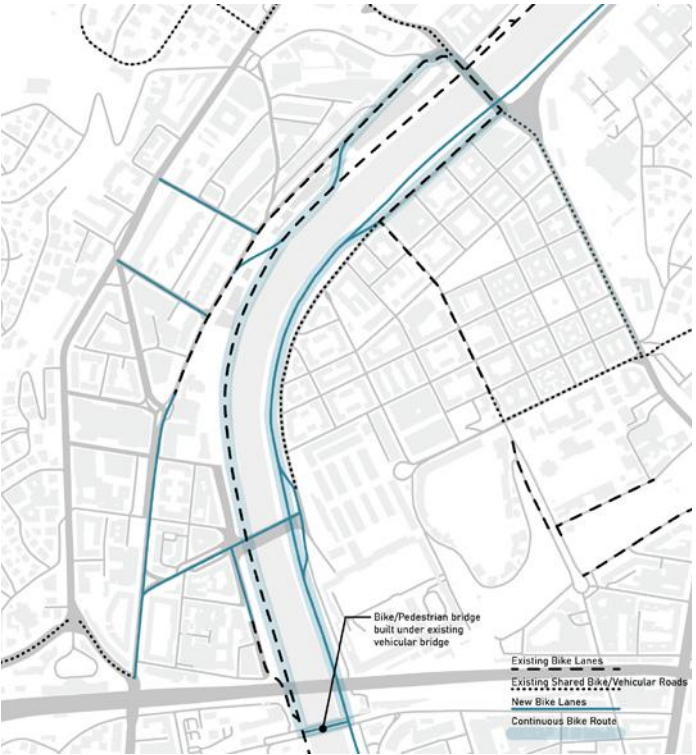
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Mobility Rebalance

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MOBILITY TRANSFORMATIONS



MULTI-MODAL PATHWAYS



PUBLIC TRANSIT ACCESS



VEHICULAR ROADWAYS

Mobility Rebalance

Via Portuense becomes a one-way to reduce vehicular traffic and put more emphasis on pedestrian and bike traffic.

Community Makerspace

Terraced Park

Ecology Improvement

The river's edge becomes more accessible and enjoyable with the addition of terraced parks and riparian edge vegetation.

Economic Enhancement

Second Life intends to reuse as many building as possible for programs that align with the secondhand nature of the Porta Portese area.

Economic Enhancement

Urban farms and a composting center added to the river's edge create a circular economy combined with the existing local restaurants.

Existing Bike Repair Shops

Startup Incubator

Textile Recycling + Retail

Architectural Quality and Heritage: In the spirit of reclamation and to reduce the footprint of building impact, existing open spaces are used as the primary points of visual and physical access to the river with tactics such as terracing and elevated walkways to create habitable space along its edge while existing structures are maintained or enhanced where possible to provide a second life for the river's architectural presence.

People-Centered Places: A multi-modal pathway running the perimeter of the site provides the community with a continuous, non-vehicular network that connects back to the neighborhoods using new and existing access points focusing on the accessible mobility and sensational experience of the user guiding them through points of respite and recreation both integrated into the urban fabric and secluded into the river ecology.

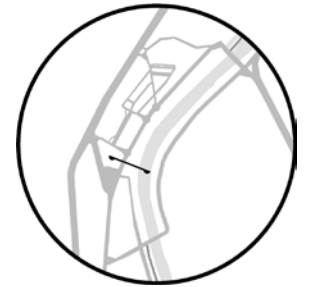
Climate Resilience: New facilities will capitalize on waste streams both economic and environmental to create an area that will be 100% carbon neutral and act as the center for both synthetic and organic reclamation for the surrounding communities.





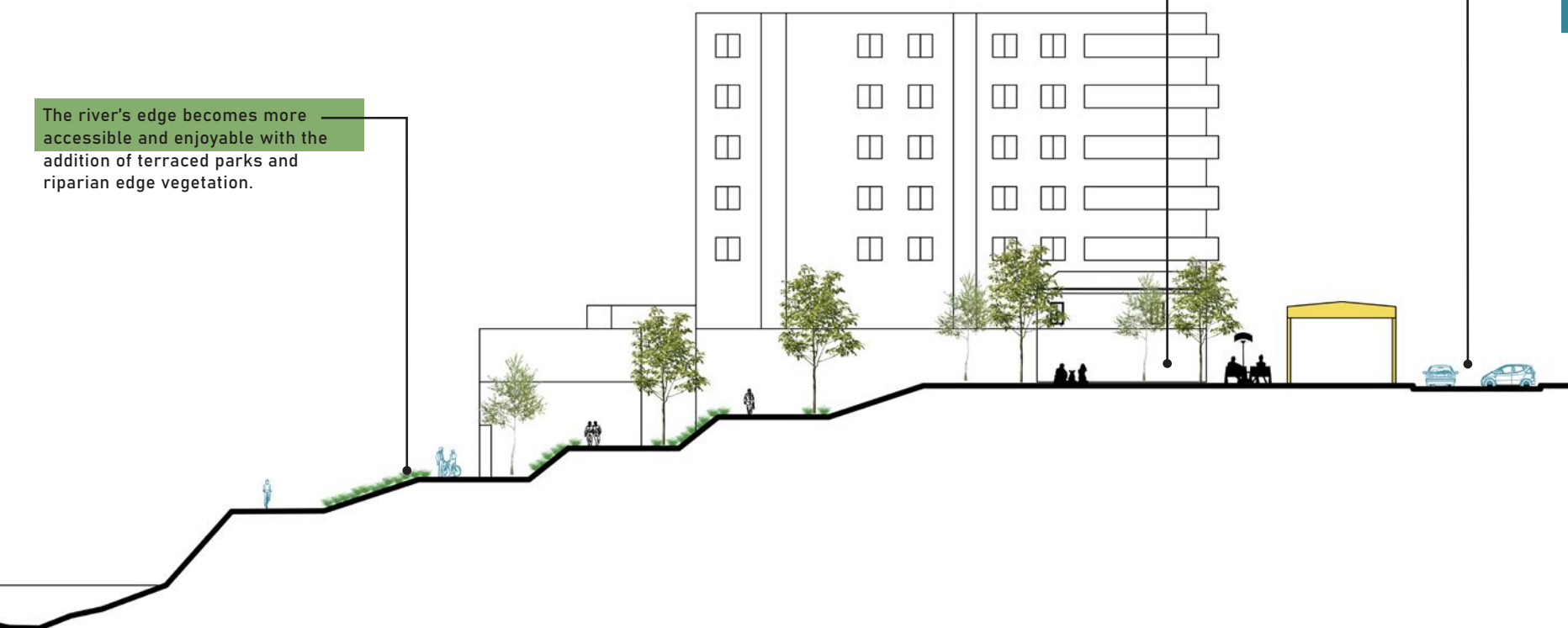
BEFORE

Existing parking lot and flood prevention system left abandoned and unmaintained



KEY PLAN

The river's edge becomes more accessible and enjoyable with the addition of terraced parks and riparian edge vegetation.



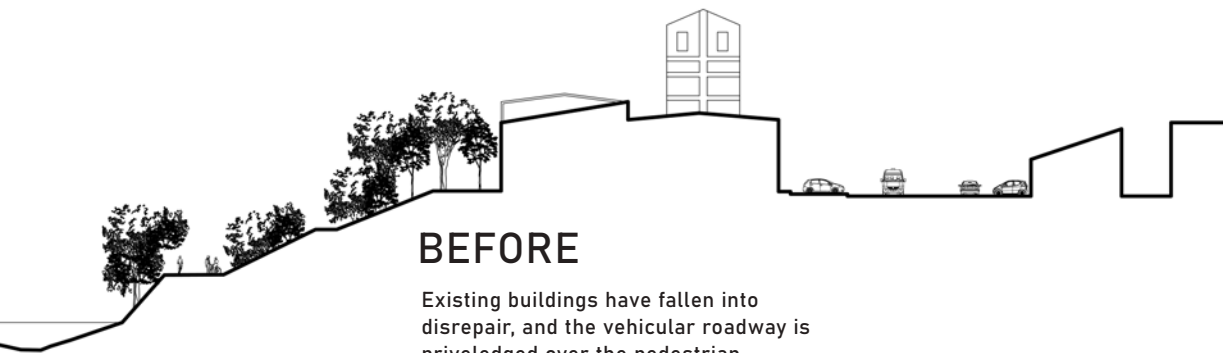
Abandoned parking lot is converted into a usable green space that acts as the social anchor to the urban redesign

Reduce via Portuense traffic lanes to create a one-way street that decreases the number of vehicles and increases the pedestrian pathways

AFTER



KEY PLAN



BEFORE

Existing buildings have fallen into disrepair, and the vehicular roadway is privileged over the pedestrian.

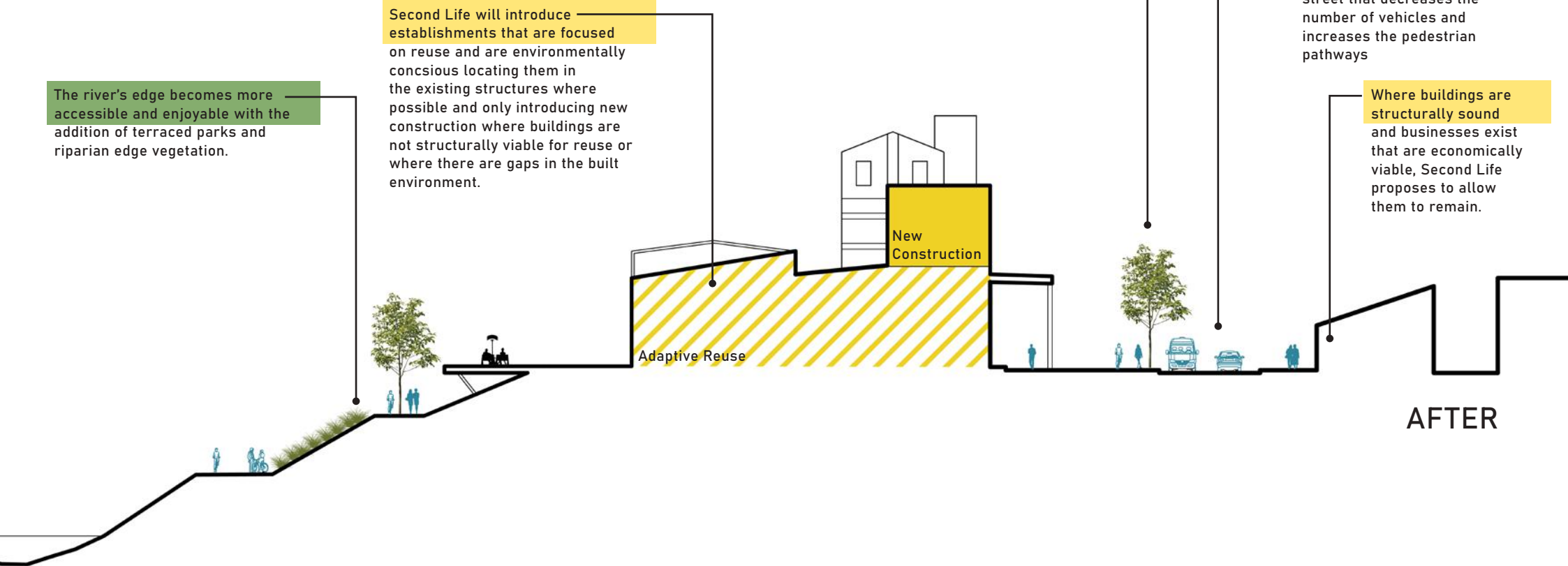
The river's edge becomes more accessible and enjoyable with the addition of terraced parks and riparian edge vegetation.

Second Life will introduce establishments that are focused on reuse and are environmentally conscious locating them in the existing structures where possible and only introducing new construction where buildings are not structurally viable for reuse or where there are gaps in the built environment.

Provide street beautification by lining via Portuense with native trees and vegetation

Reduce via Portuense traffic lanes to create a one-way street that decreases the number of vehicles and increases the pedestrian pathways

Where buildings are structurally sound and businesses exist that are economically viable, Second Life proposes to allow them to remain.



AFTER



Existing north via Portuense condition



Proposed improvements to north via Portuense site



Existing south via Portuense condition



Proposed improvements to south via Portuense condition



Existing condition at the Mattatoio site



Proposed improvements to Mattatoio site

LEED v4 for Neighborhood Development Plan

Project Environmental Credits

STRONG
MODERATE
CONSIDERED



LEED N.D. CREDIT CRITERIA	
Smart Location & Linkage	PROJECT STRATEGY
Wetland and Water Body Conservation	focus given to rehabilitating the river
Access to Quality Transit	Reduced car traffic on site, with access created to new metro line
Bicycle Facilities	increased bicycle paths
Housing and Jobs Proximity	New job opportunities via new program
Restoration of Habitat or Wetlands and Water Bodies	Removal of weeds surrounding river; implementation of native plantings

Neighborhood Pattern & Design	
Walkable Streets	reduced car traffic; widened sidewalks
Mixed-Use Neighborhoods	makers spaces, startup incubator, textile recycling, second hand markets
Reduced Parking Footprint	reduced car traffic, less parking available
Connected and Open Community	increased access points to river and Via Portuense
Access to Civic & Public Space	increased public green space
Access to Recreation Facilities	community green spaces, maker's space
Visitability and Universal Design	increased amount of program will bring in users
Community Outreach and Involvement	focused on providing the community more usable spaces
Local Food Production	community garden
Tree-Lined and Shaded Streetscapes	implement street trees and shaded areas

Green Infrastructure & Buildings	
Historic Resource Preservation and Adaptive Reuse	adaptive reuse implemented site-wide
Minimized Site Disturbance	adaptive reuse as well as reuse of resources
Rainwater Management	rainwater collection implemented throughout the adaptive reuse projects
Heat Island Reduction	plantings on paving as well as shading over paving
Solar Orientation	solar panels oriented to absorb the most heat
Infrastructure Energy Efficiency	utilizing energy efficiency wherever possible
Recycled and Reused Infrastructure	adaptive reuse utilized for infrastructure as well
Light Pollution Reduction	motion sensitive lighting

Innovation & Design Process	
Innovation	Adaptive reuse, emphasizing second hand use, high impact with minimal site disturbance
Consultation with LEED® Accredited Professional	Director for European Market at SINERGI Integrated Building Sciences / Executive Board Member, GREEN BUILDING COUNCIL ITALIA (LEED for Neighborhood Development)