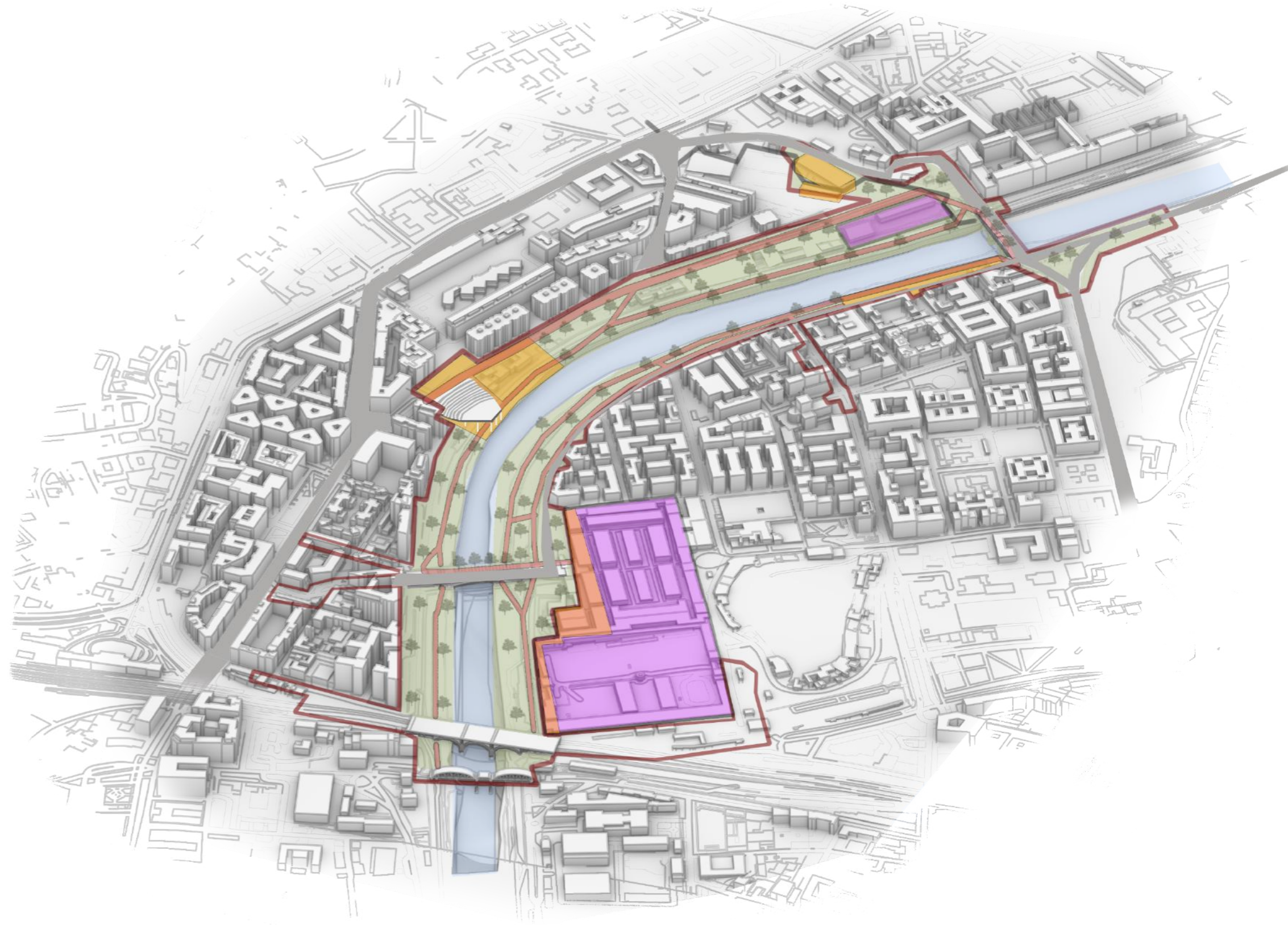


THE RIVER LOOP: TEVERE CULTURAL CAMPUS 01: Introduction and Project Axon

For centuries, the site along the Tiber River between modern Ponte Sublicio and Ponte dell'Industria had a strong identity as a hub for Roman shipbuilding and trade. Abandonment, demolitions, and subsequent haphazard development have obliterated this sense of identity, turning the area into an unremarkable and unwelcoming urban passageway.

Despite this, isolated pockets of cultural activity, such as once-a-week outdoor resale markets or art exhibits, temporarily bring both sides of the river to life. The River Loop restores the site by providing an identity as a new hub for Roman art, retail, and education. This is accomplished by providing a permanent home to the existing temporary activities and creating new opportunities for cultural exchange through architectural and urban interventions along both sides of the Tiber river. The River Loop unifies two poles at the north and south extents of the site into a single cohesive walkable campus.



An urban campus anchored by cultural institutions.

THE RIVER LOOP: TEVERE CULTURAL CAMPUS

02: Principles and Priorities

1. Complete neighborhoods - Adding **street connections** to Via Portuense, improving access to river both visually and physically, connecting the neighborhoods on **both sides of the river** with a common interest.

2. People-centered streets and low-carbon mobility - **Reducing asphalt paving**, reducing traffic lanes and increasing pedestrian safety, **promoting walking and biking** over automobile transport.

3. Smart and connected places - A practical and enjoyable **urban loop that connects** currently disconnected areas of the city.

4. A place for everyone - **Public park areas** and walking paths as well as **event spaces for all purposes**.

5. Clean construction - **Reuse of existing structures** and pavings will be prioritized and **minimal construction impacts** to the river ecosystem.

6. Green energy and building - Promoting **non-conditioned shaded spaces** where practical as well as **reuseable construction materials** and methods.

7. Circular resources - The **river provides irrigation** to new landscaping and **improved stormwater drainage** keeps pollutants and trash out of the river.

8. Green spaces, urban nature, and climate resilience - Significant green spaces sitewide with **none of the site being impermeable**. Nature will infiltrate the urban fabric and honor the **natural floodplain** of the river.

9. Sustainable living - The project **inspires the community to protect** the environment and promotes **sustainable transport** and neighborhood infrastructure.

10. Green economy - The existing **second-hand goods Porta Portese market** on site is provided with a space to grow and flourish along with the **newly restored river environment**.

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 03: Analysis and Existing Conditions



Phase 01: Cultural Anchor
Renewal + Via Portuense
Pedestrian Walkway



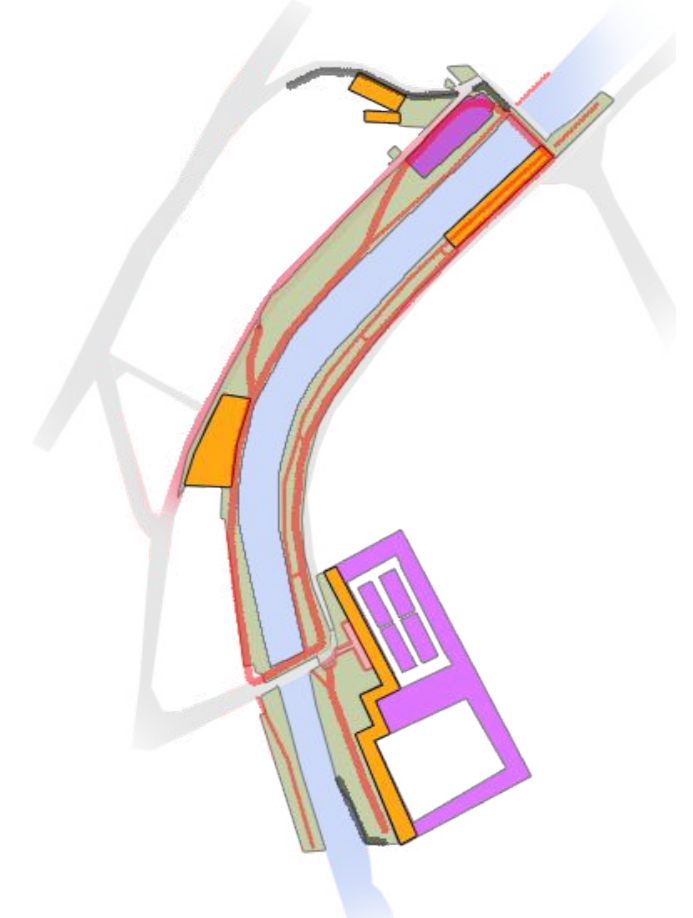
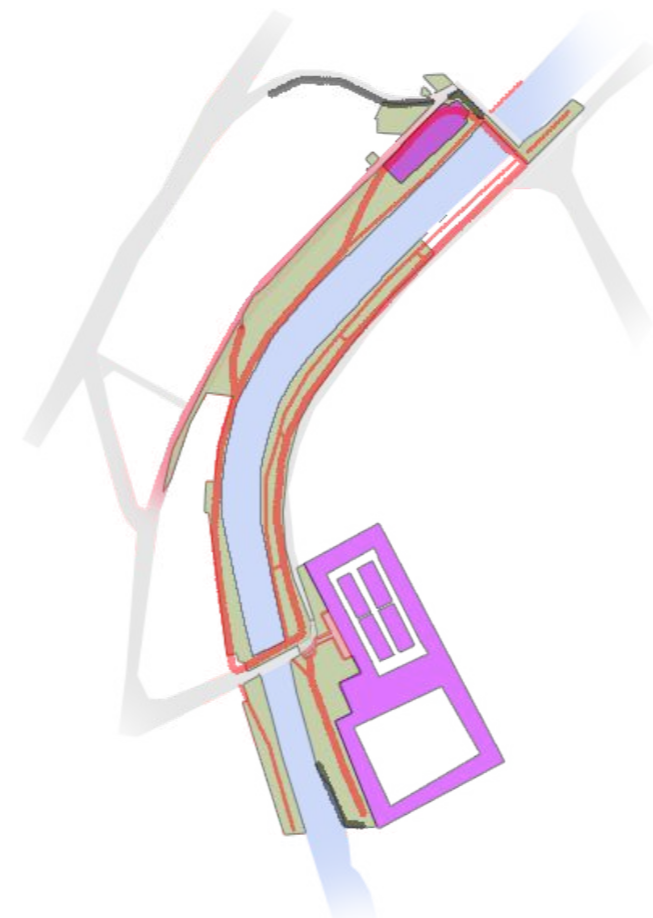
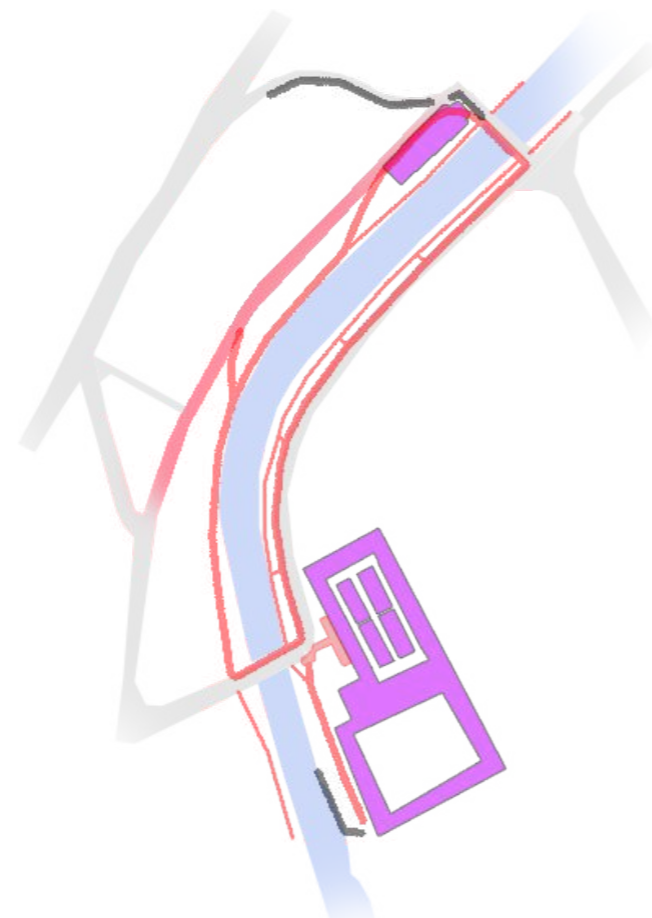
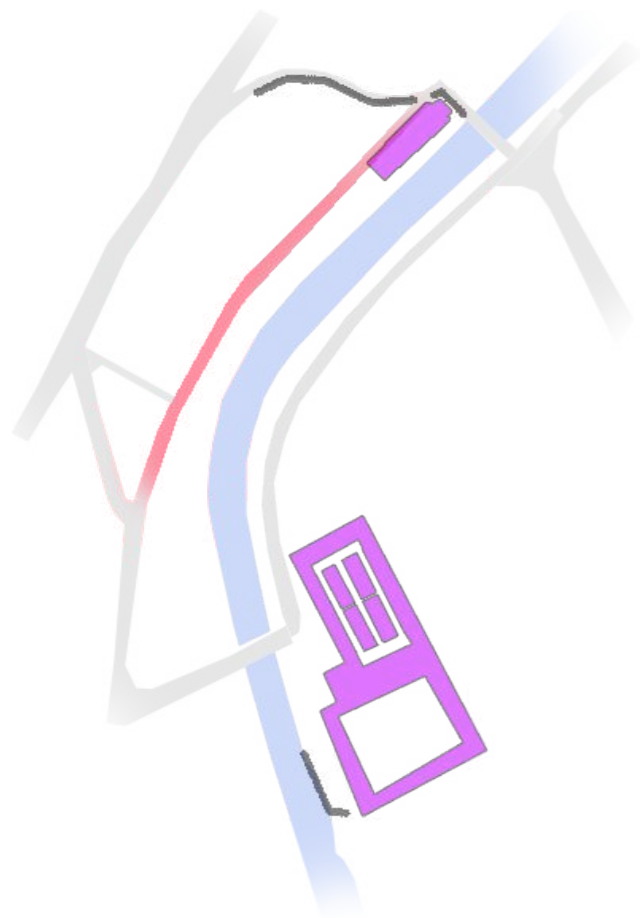
Phase 02: Complete
Pedestrian Loop + River
Access



Phase 03: New Public
Green Space + Rivers Edge
Renewal



Phase 04: Architectural
Interventions

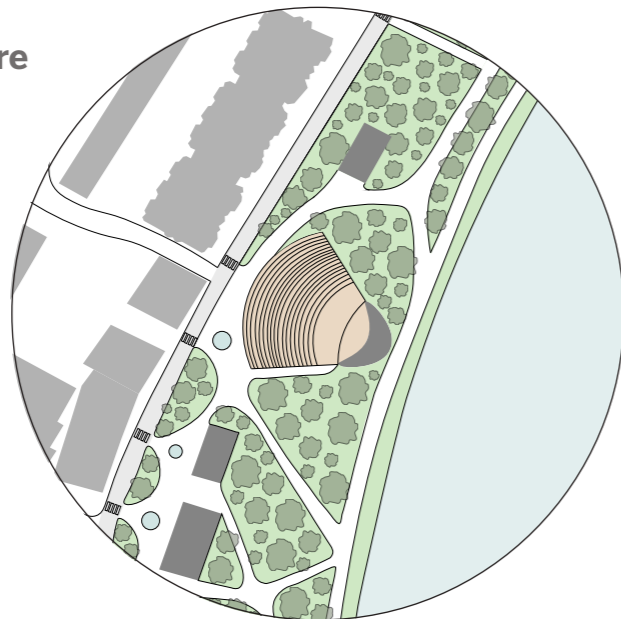


THE RIVER LOOP: TEVERE CULTURAL CAMPUS 04: Site Plan

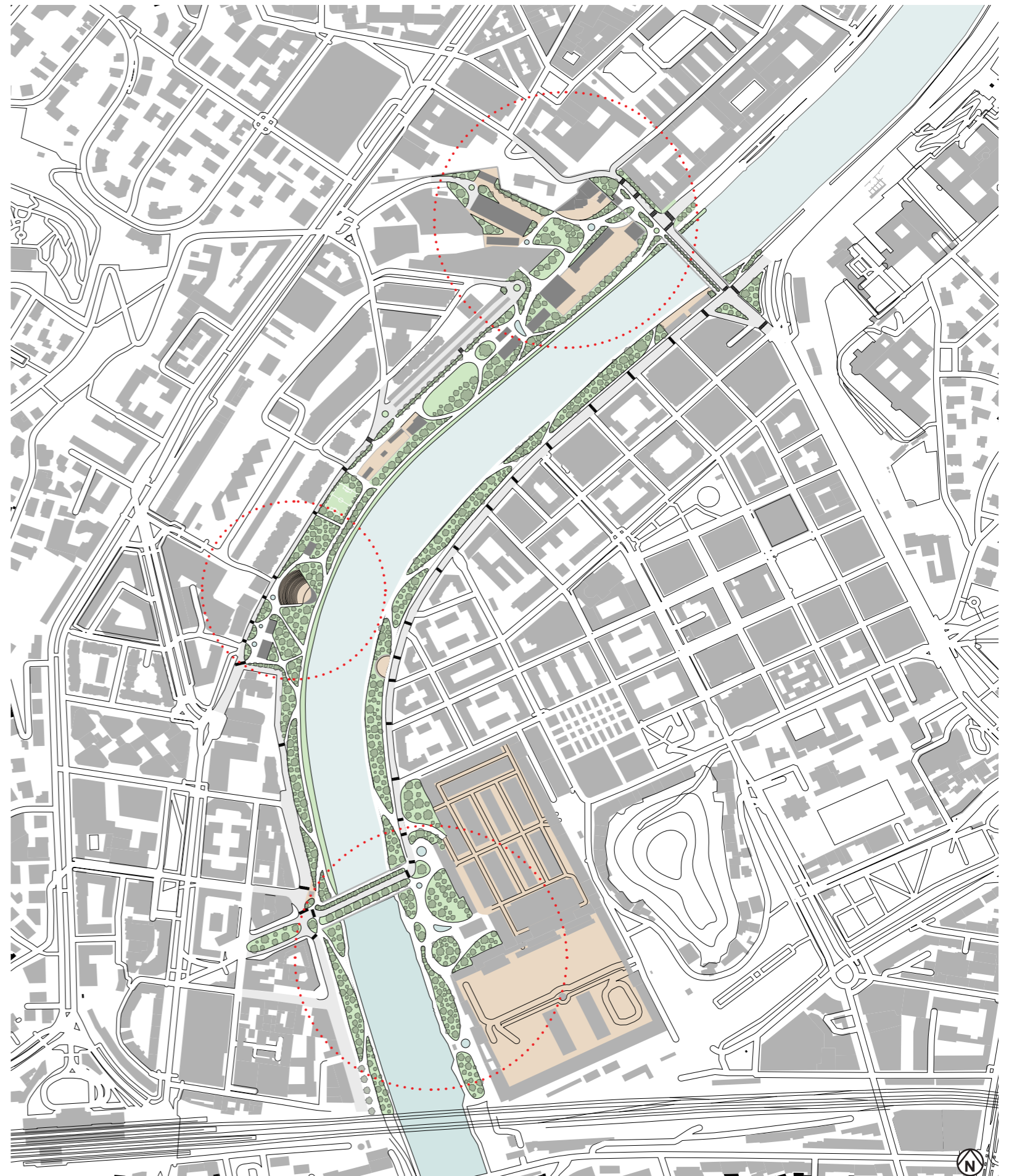
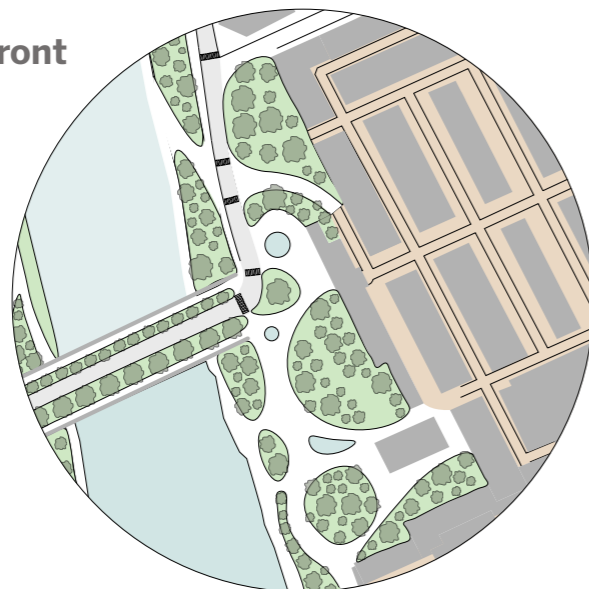
Porta Portese Gate



New Ampitheatre



Mattatoio Riverfront



An urban park lines the river's edge and creates a soft loop of mobility

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 05: Before / After In Section



Before -

This section shows the current river embankments and context. There is no access to the river for about half a kilometer from this cut. There is also high-speed traffic on each side of the river. Tall buildings block views of the river.



After -

This section is cutting through the amphitheater. This allows access to the part of the river that did not exist before. This amphitheater doubles as a seating area and stairs for those trying to get down to the river.

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 06: Before/After In Perspective



Before: Porta Portese Gate



After: Porta Portese Gate

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 05: Before/After In Perspective

Before: Via Portuense



Before: Looking towards Amphitheatre from Trastevere



After: Via Portuense



After: Looking towards Amphitheatre from Trastevere



THE RIVER LOOP: TEVERE CULTURAL CAMPUS 05: Before/After In Perspective



Before: River Walkway

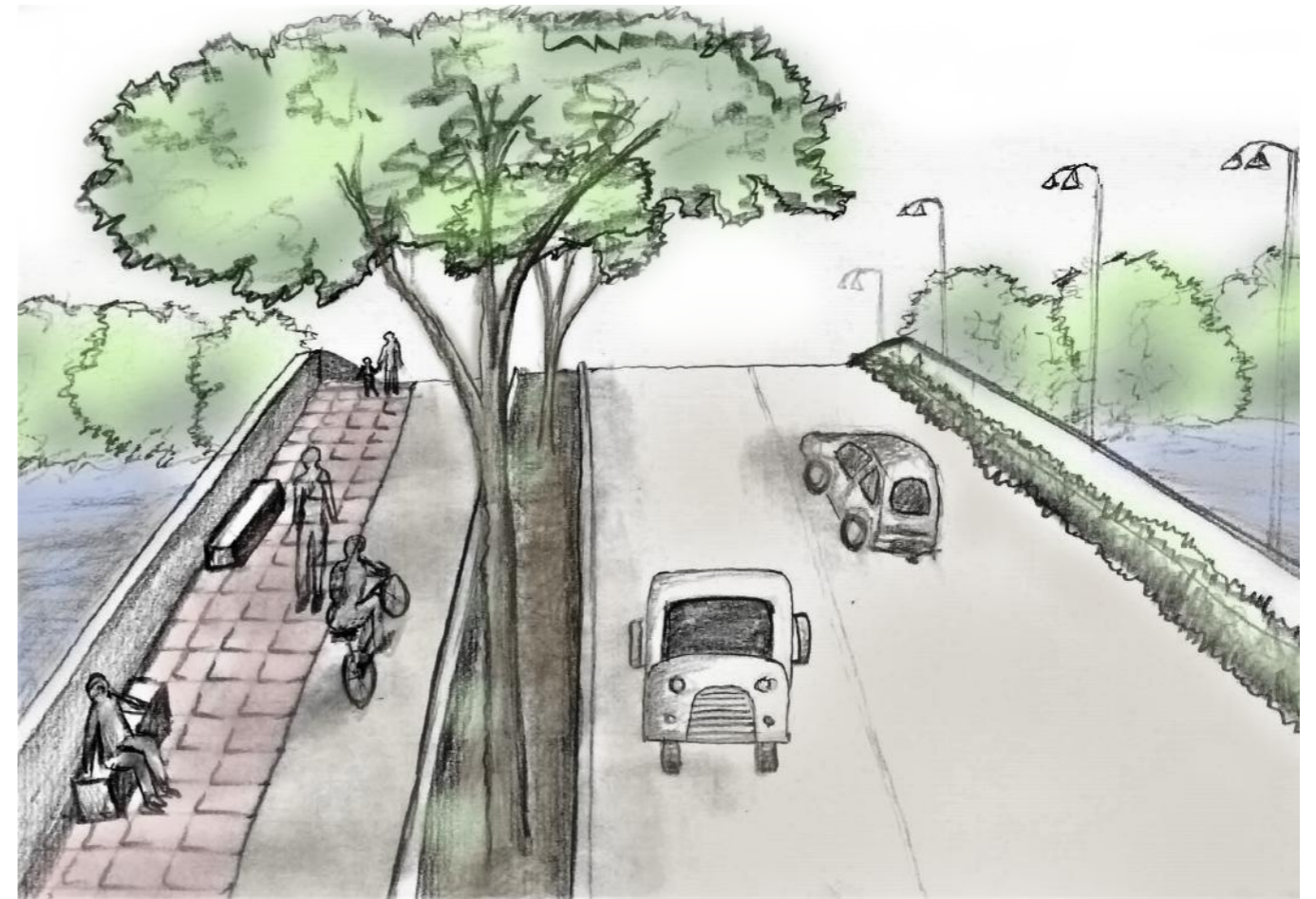


After: River Walkway

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 05: Before/After In Perspective



Before: Ponte Testaccio

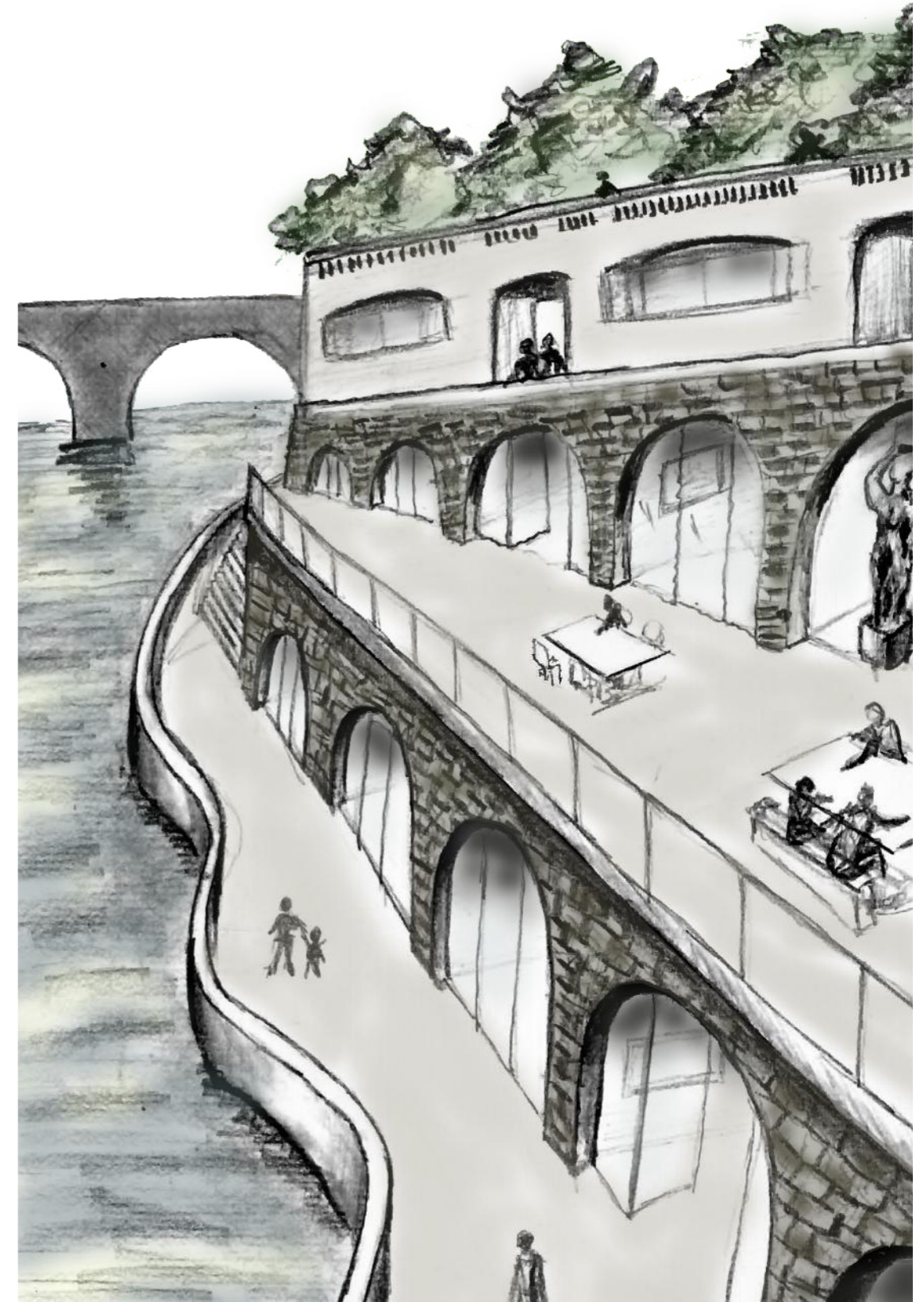


After: Ponte Testaccio

THE RIVER LOOP: TEVERE CULTURAL CAMPUS 05: Before/After In Perspective



Before: Riverfront Ruins



After: Riverfront Ruins

LEED v4 for Neighborhood Development Plan Project Environmental Credits

LEED N.D. CREDIT CRITERIA		PROJECT STRATEGY
Smart Location & Linkage		
	Imperiled Species and Ecological Communities	SHORT DESCRIPTION OF A STRATEGY II PORPOSAL
	Wetland and Water Body Conservation	A general clean-up of the Tiber river will occur with the building proposals.
	Floodplain Avoidance	The River Loop promotes open green space and habitat conservation. The floodplain is protected as the project is built up around the floodplain. In case of a flood, structures can be submerged.
	Access to Quality Transit	The proposed line will have direct access to the middle of the site.
	Bicycle Facilities	The bicycle path will not be interrupted by any interventions on the site.
	Housing and Jobs Proximity	Affordable housing is being added to the site. 50-70 residents will be added to the Porta Portese site.
	Steep Slope Protection	The steep slope embankments are being protected by the addition of new access points. These access points ensure the safety of the bank.
	Restoration of Habitat or Wetlands and Water Bodies	The landscape helps mitigate storm water runoff.--



Neighborhood Pattern & Design		
	Walkable Streets	The high speed traffic is being directed away from the site, Via Portuense has been transformed into a pedestrian friendly street.
	Compact Development	The site has many different functions such as a college, housing, food, and recreational activities. This makes the site walkable as there is enough infrastructure to sustain the population.
	Mixed-Use Neighborhoods	The diverse use of the site makes it a diverse neighborhood. The site ranges from housing to public gathering space.
	Housing Types and Affordability	High density housing is being introduced to the site. The housing is for elderly people and students, two groups that are often priced out of communities.
	Reduced Parking Footprint	Asphalt and parking on the site has been turned into green spaces.
	Connected and Open Community	The amphitheater in the middle of the site serves as a community space.
	Community Outreach and Involvement	The River loop as a whole is public space. The amphitheater is a public gathering space as well.
	Tree-Lined and Shaded Streetscapes	The streets and bridges are getting trees planted on them. This will reduce the heat island effect.
	Neighborhood Schools	The existing architecture school integrates education with the neighborhood. ---

Green Infrastructure & Buildings		
	Optimize Building Energy Performance	Buildings will be properly shaded with overhangs and louvers as the orientation of the buildings can't change.

LEED v4 for Neighborhood Development Plan Project Environmental Credits

	Historic Resource Preservation and Adaptive Reuse	Roman ruins found on the site are being preserved. Run down buildings on the site are being transformed into affordable housing.
	Minimized Site Disturbance	Areas of undisturbed land will be protected from development. Only areas that have been developed previously can be developed on.
	Rainwater Management	Rainwater will be managed by plants along the Tiber. The soil and plants will soak up excess water, keeping it from all drawing into the river and streets.
	Heat Island Reduction	Planting shade trees along bridges and asphalt will keep the roads cool during the summer months.
	Solar Orientation	Designing around the sun---
	Renewable Energy Production	The street lights on the site will be solar powered. This is a renewable energy source and can cut energy costs for the city.
	Infrastructure Energy Efficiency	Adaptive reuse is used to create energy efficient buildings.
	Recycled and Reused Infrastructure	Building materials will be reused whenever possible. Adaptive reuse is heavily being used in this project.
	Light Pollution Reduction	Replacing existing street lights with lights pointed downward to lower light pollution.

Innovation & Design Process		
	Innovation	The River Loop brings together two sides of the river that share common interest, but have been separated. The River loop creates a unified place where it didn't exist before.
	Consultation with LEED® Accredited Professional	Francesco Bedeschi - Director for European Market at SINERGI Integrated Building Sciences / Executive Board Member, GREEN BUILDING COUNCIL ITALIA (LEED for Neighborhood Development),