

# Urban Transformations

## Green Infrastructure Master Plan

THE UNIVERSITY OF ILLINOIS AT CHICAGO

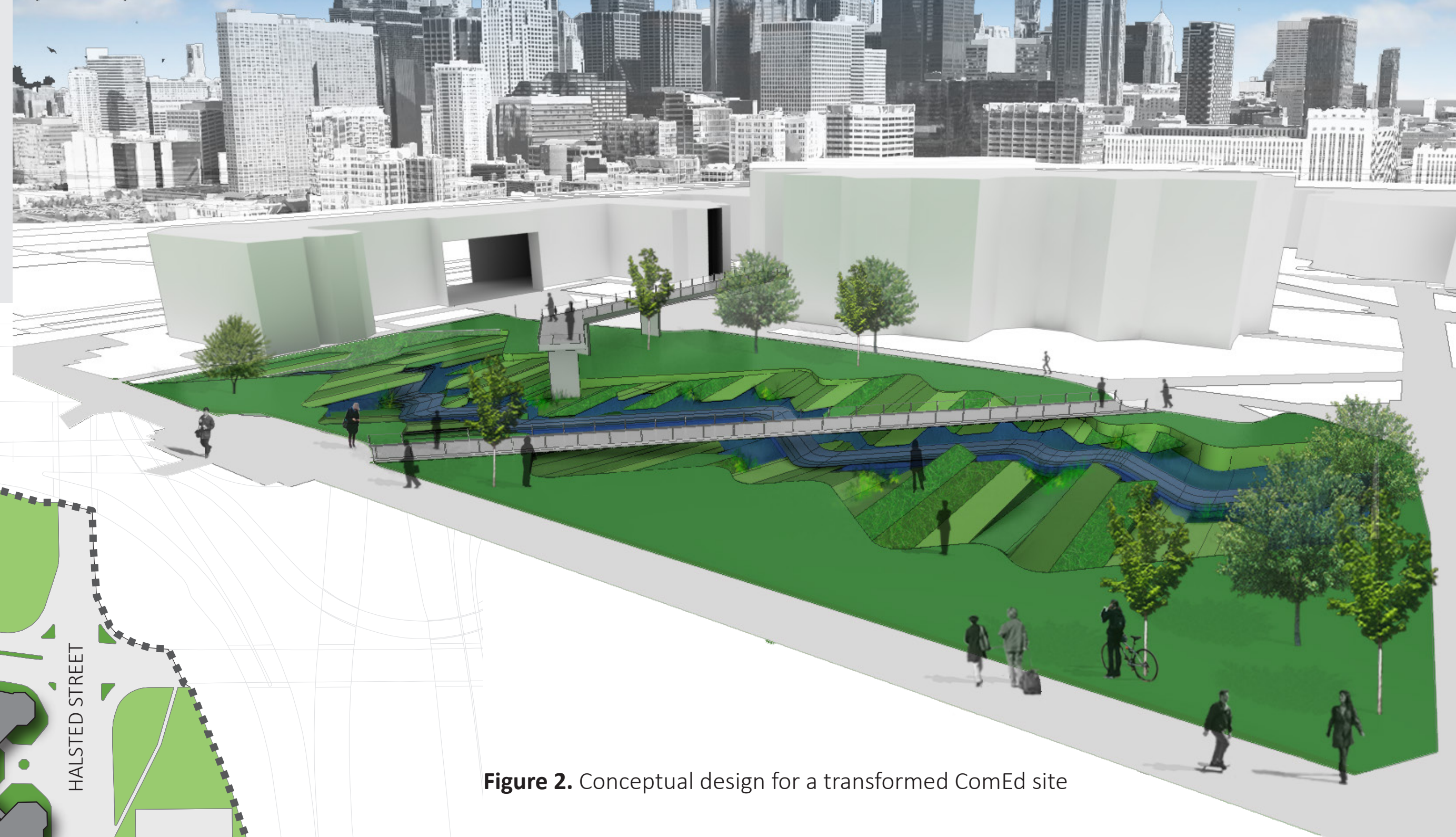


Figure 2. Conceptual design for a transformed ComEd site

Water is Chicago's most vital natural resource. Like other cities, however, Chicago's water management system is increasingly stressed due to the combined effects of climate change, impermeable land cover and resource limitations. It is increasingly apparent that cities must be transformed so that they may treat water like a life-giving resource rather than a waste product. The University of Illinois at Chicago is strategically positioned—both geographically and institutionally—to facilitate this transformation in Chicago. The purpose of *Urban Transformations* is to develop and demonstrate an incremental, scalable and adaptive approach to implementing green infrastructure in a highly urbanized context. Transforming urban landscapes will require a concerted effort that crosses disciplines, spatial scales, political jurisdictions and even paradigms to tell a new story about water and cities. *Urban Transformations* tells a small part of this much bigger story.

### Planning Process

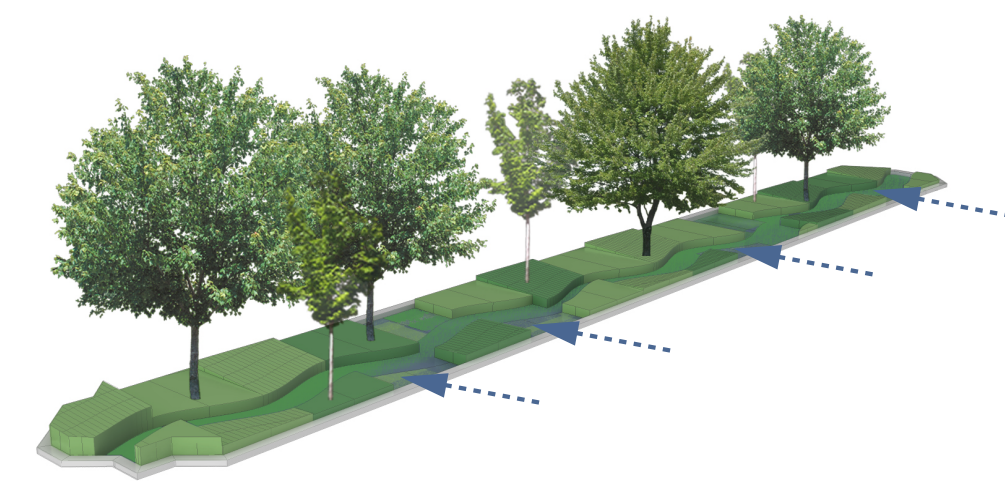
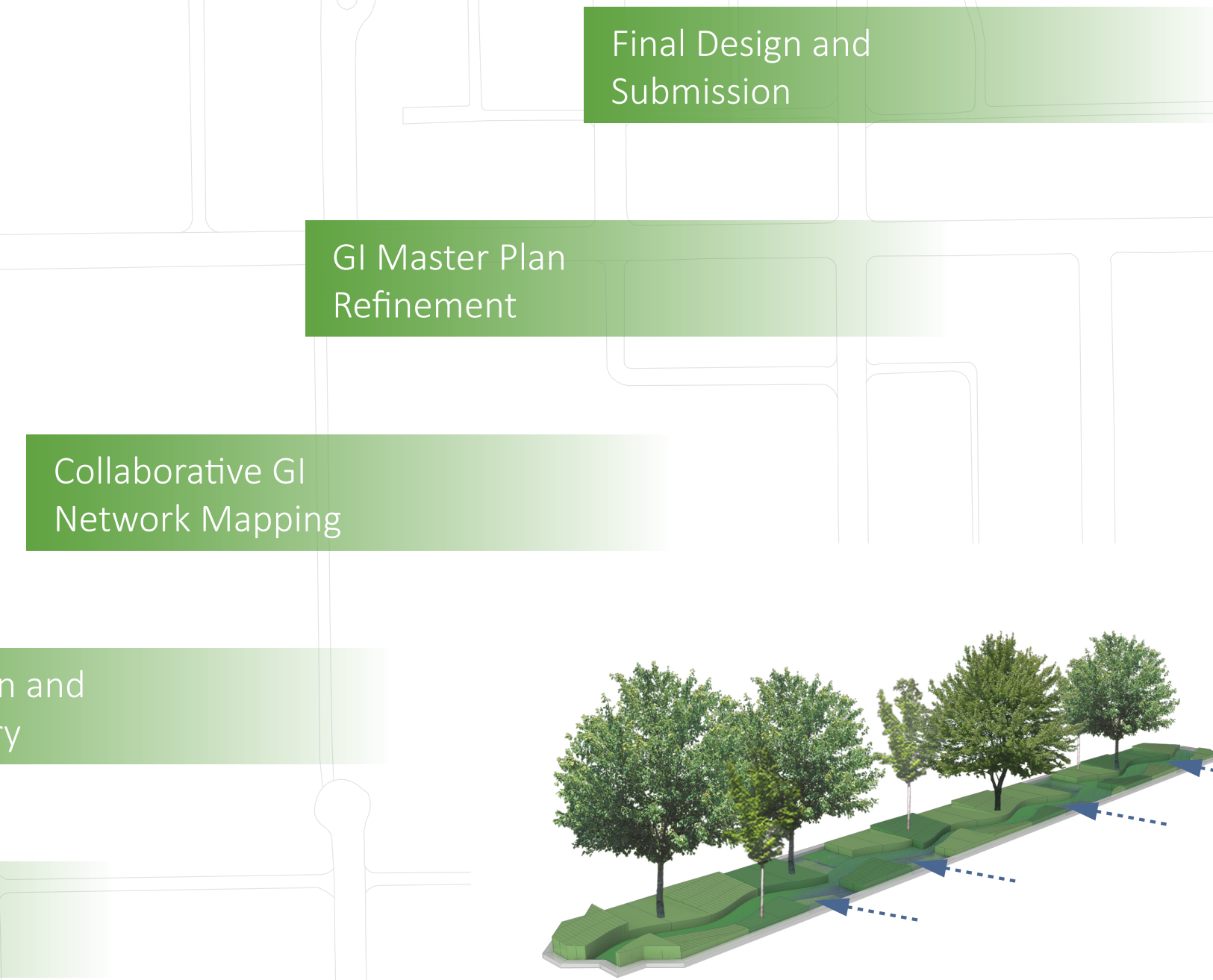


Figure 5. Conceptual design for street planters

Conventional Landcover		Green Infrastructure Intervention	
[Grey Box]	Buildings	[Green Box]	Green Roof
[Light Green Box]	Lawns	[Dark Green Box]	Native Landscaping (bioswales, rain gardens, street planters, infiltration basins, etc.)
[Light Grey Box]	Roads and Sidewalks	[Blue-Green Box]	Stormwater Wetland
[Dark Grey Box]	Parking	[Dotted Green Box]	Permeable Pavement

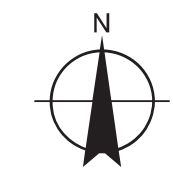
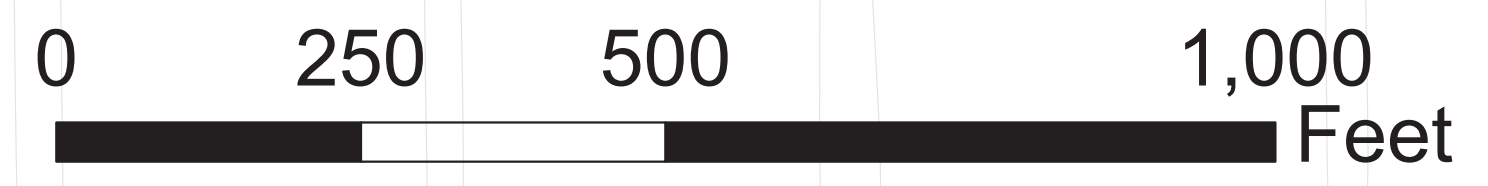


Figure 1. Urban Transformations Green Infrastructure Master Plan for UIC's East Side

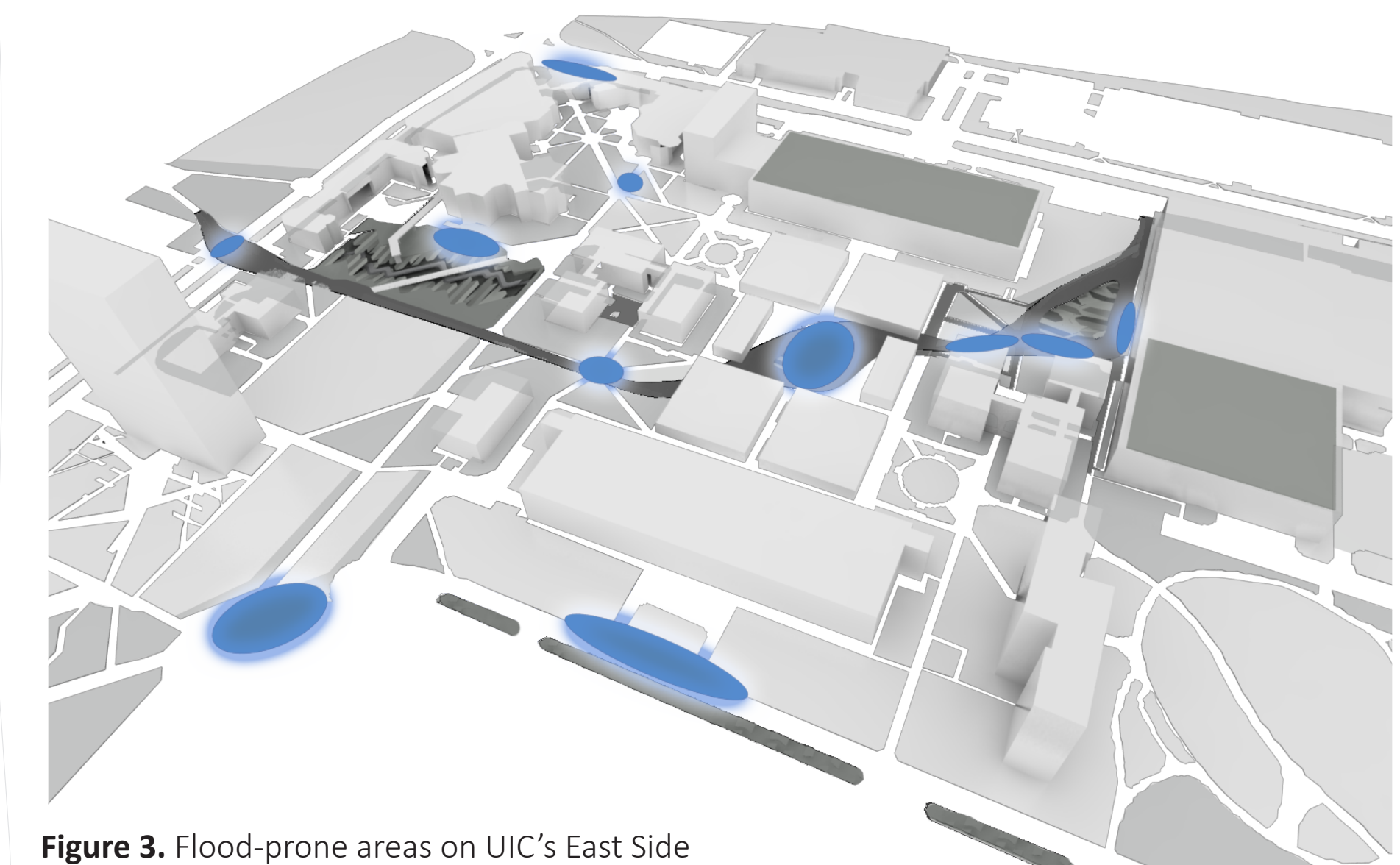
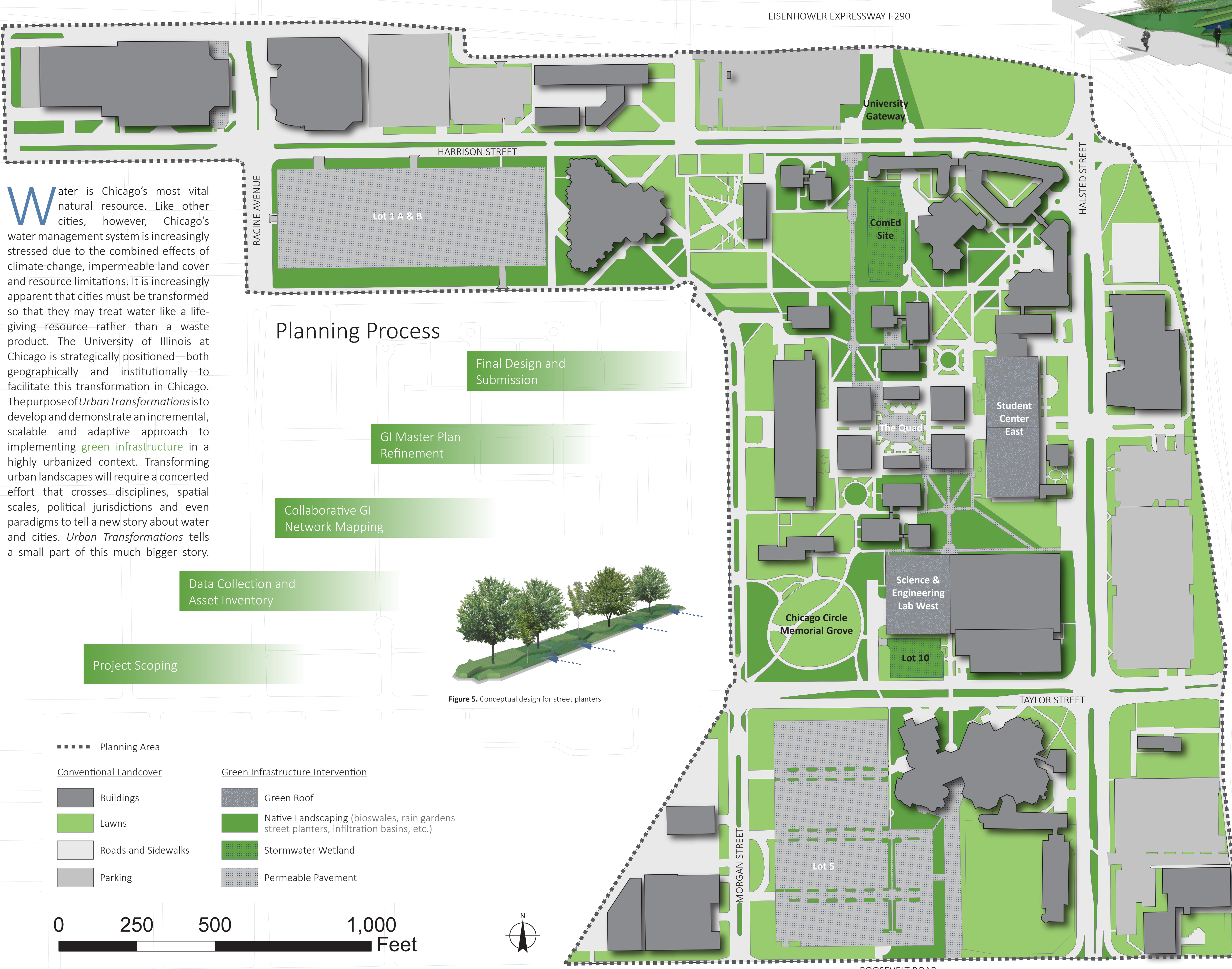


Figure 3. Flood-prone areas on UIC's East Side

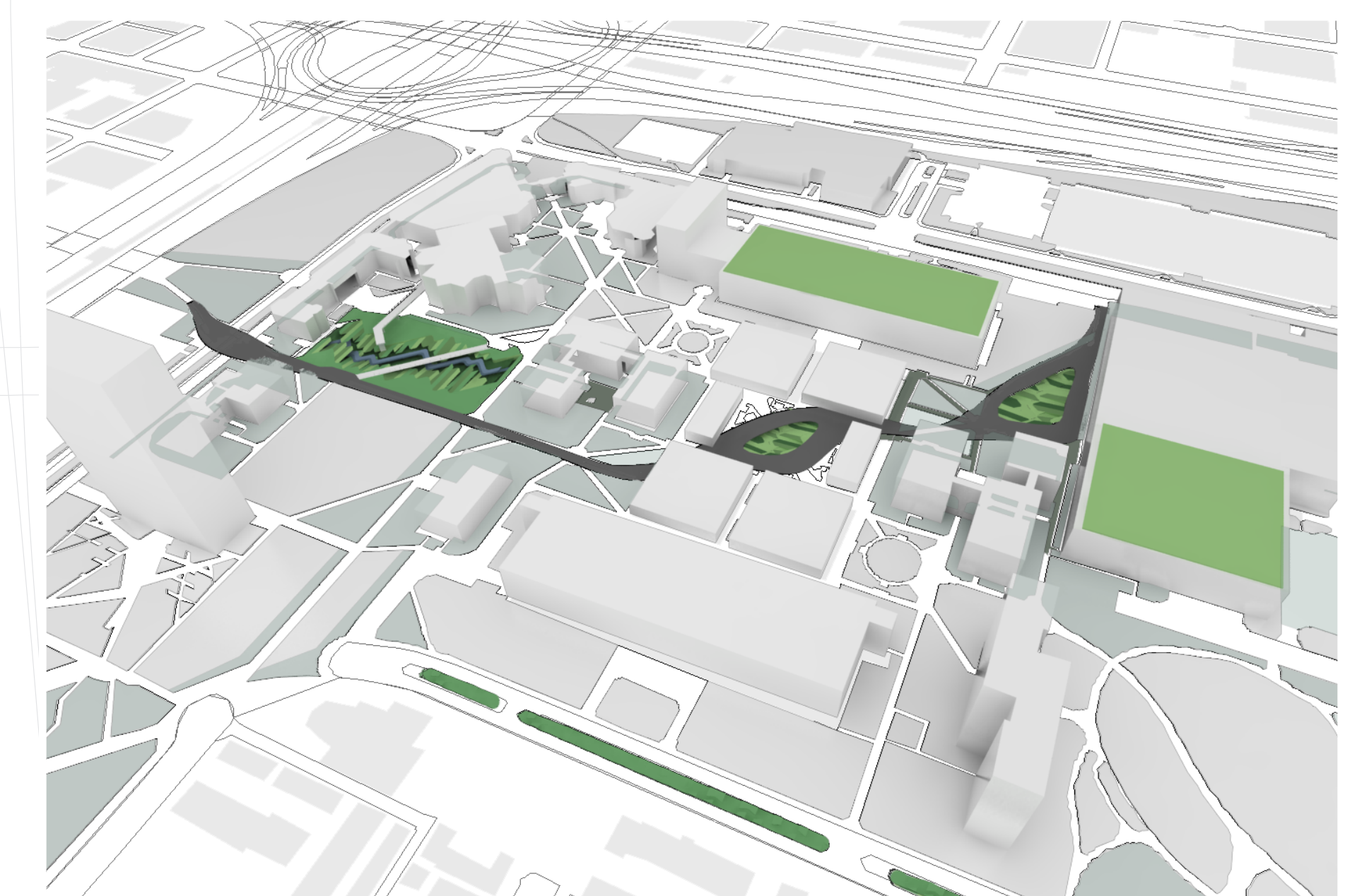


Figure 4. A trail through UIC's East Side will reveal the area's natural and cultural history

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2014 EPA Campus RainWorks Challenge  
 Registration No. M17 | Master Plan: Design Board 1  
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