

Infraestructura GRIS+VERDE

Resiliencia frente al cambio climático

Mariana Boldu | Gustavo Dallmann
Master Arquitectos

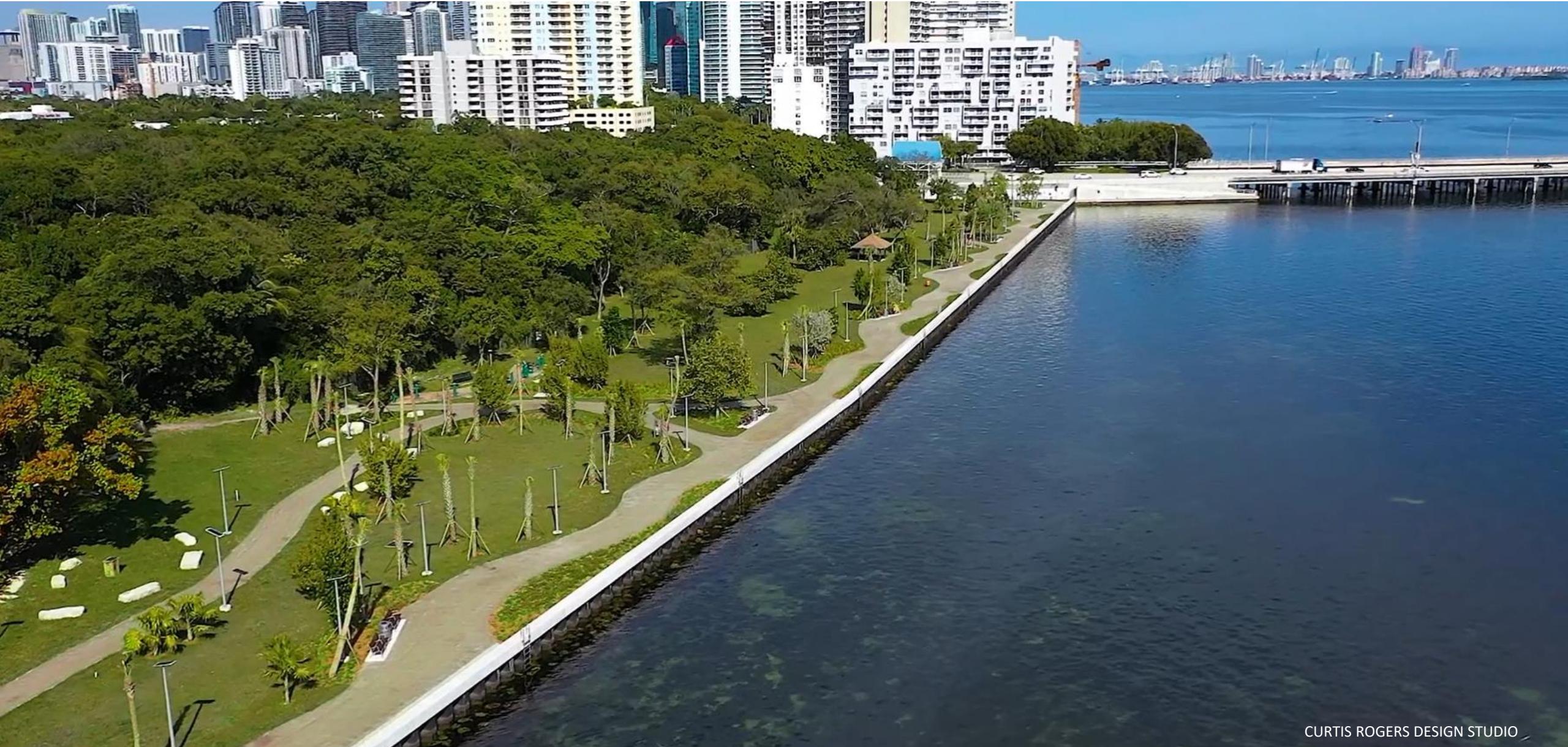
Infraestructura GRIS



Infraestructura VERDE



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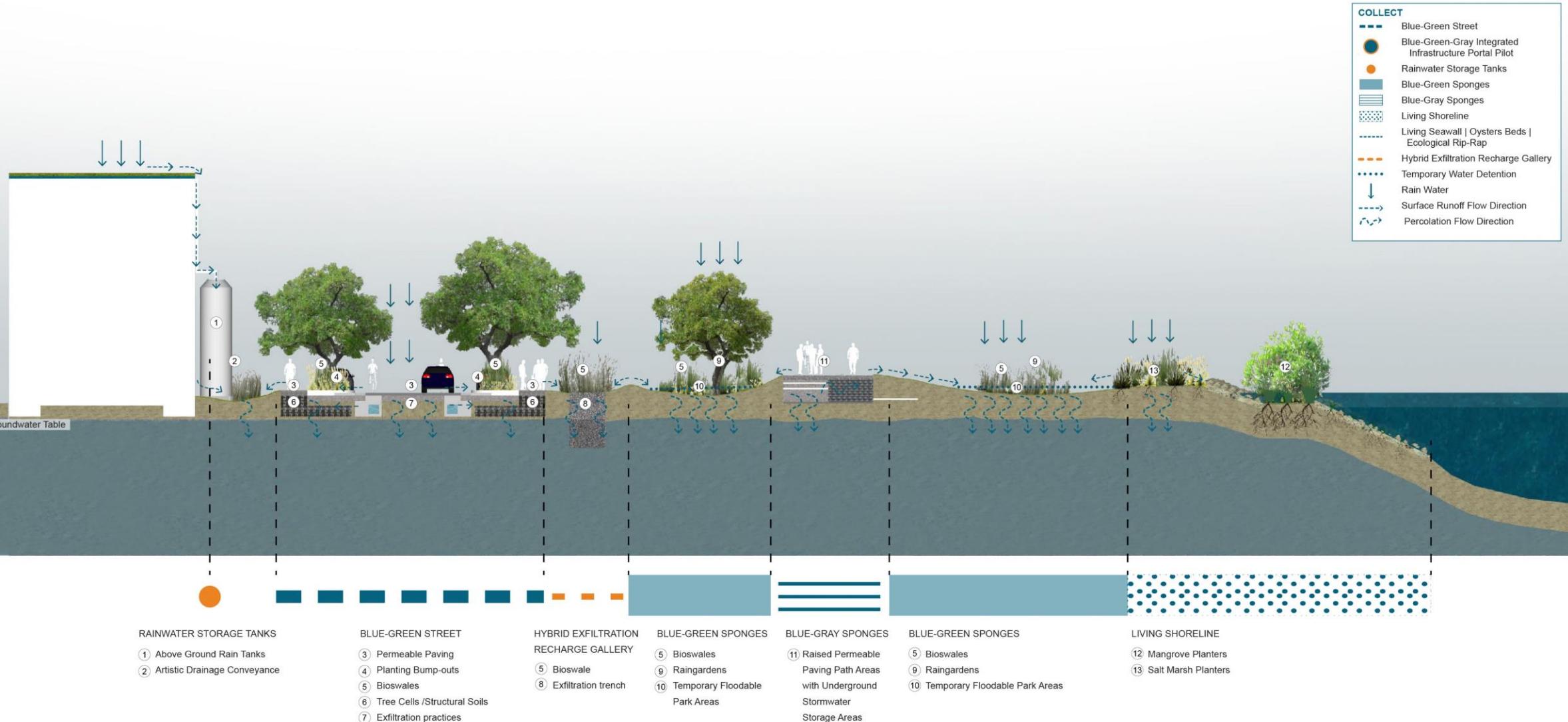
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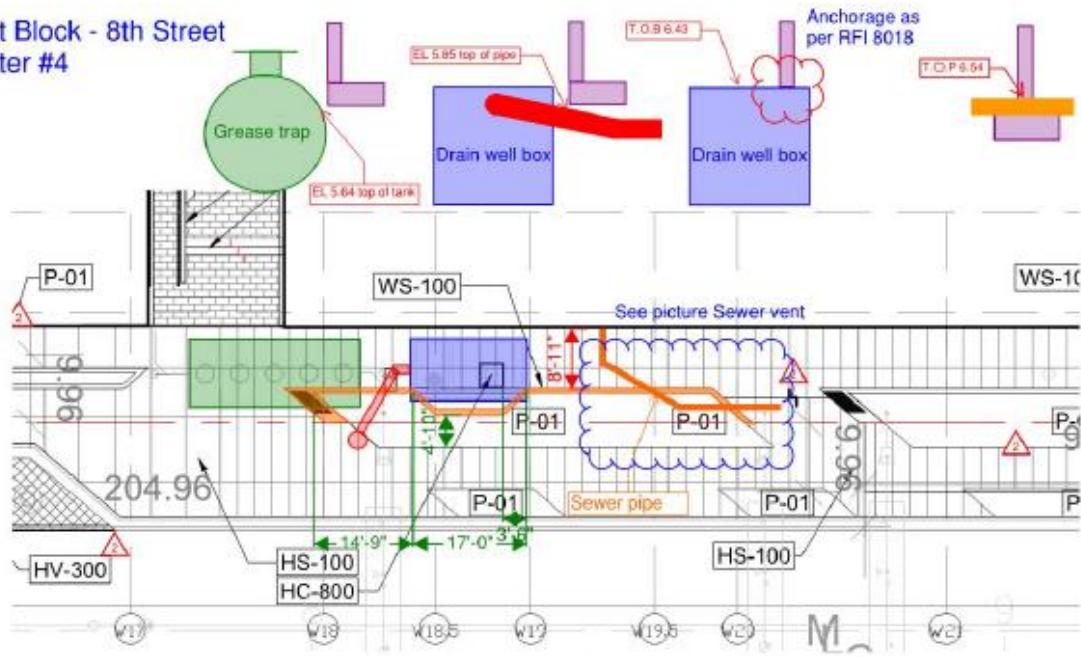
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Resiliencia





West Block - 8th Street
Planter #4



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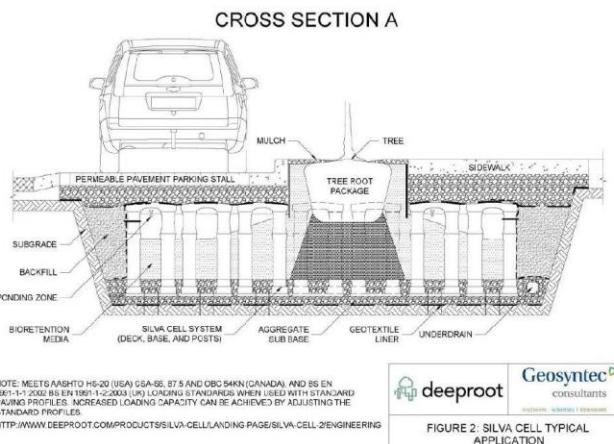
Tree Placement Location Strategies



Large species tree in small swale - with Soil Cells



Silva Cell Installation on Flagler Street, Miami 2018



Soil Cells:

Soil Cells are a modular suspended pavement system that uses soil volumes to support large tree growth. The major manufacturers of these are Deep Root's Silva Cell, and GreenBlue Urban's Soil Cells. This product is FDOT approved and has been installed in Coconut Grove and Flagler Street in the City of Miami.



Large species tree in small swale - with CU-Structural Soil

CU-Structural Soil:

CU-Structural Soil™ (U.S. Patent # 5,849,069) is a two-part system comprised of a rigid stone "lattice" to meet engineering requirements for a load-bearing soil, and a quantity of soil, to meet tree requirements for root growth. This product is FDOT approved and has been installed on Coral Gables' Miracle Mile and Giralda Streets.



Fig. 1.20 break-out zone with CU-Structural Soil™ under a sidewalk between a narrow tree lawn and adjacent landscape area

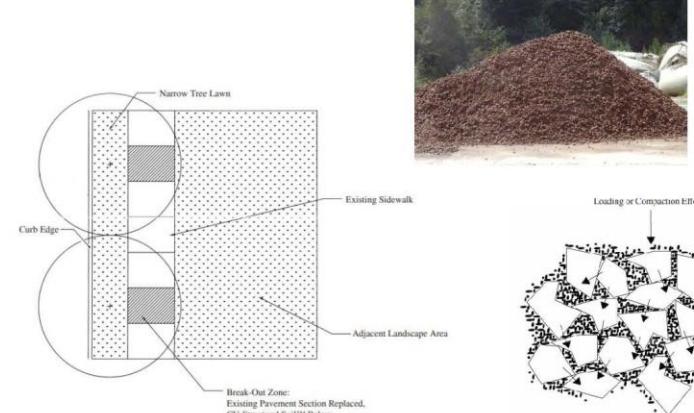
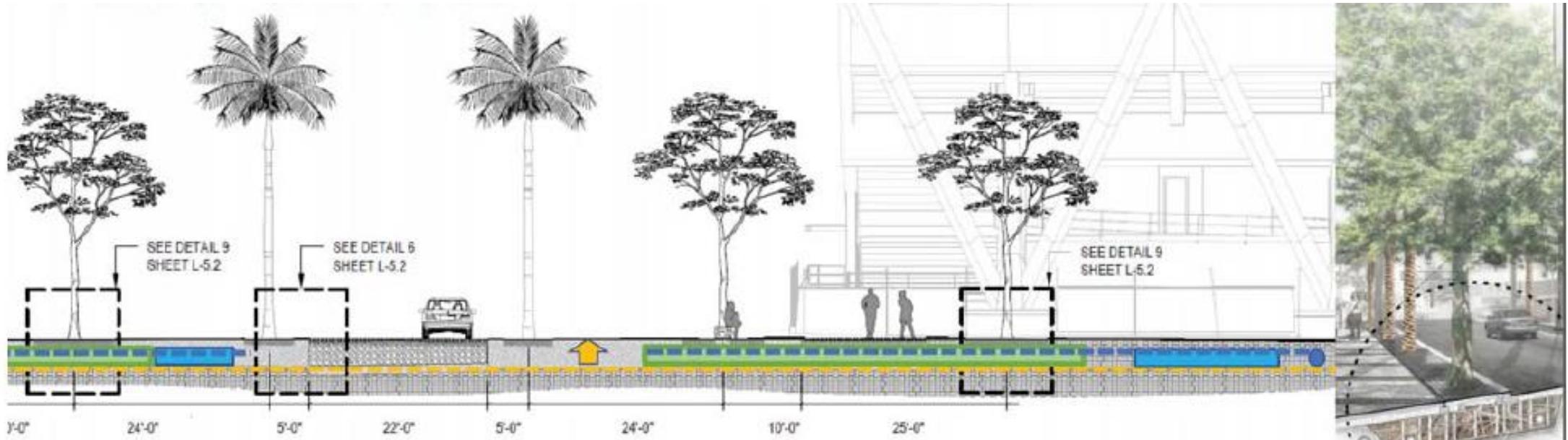
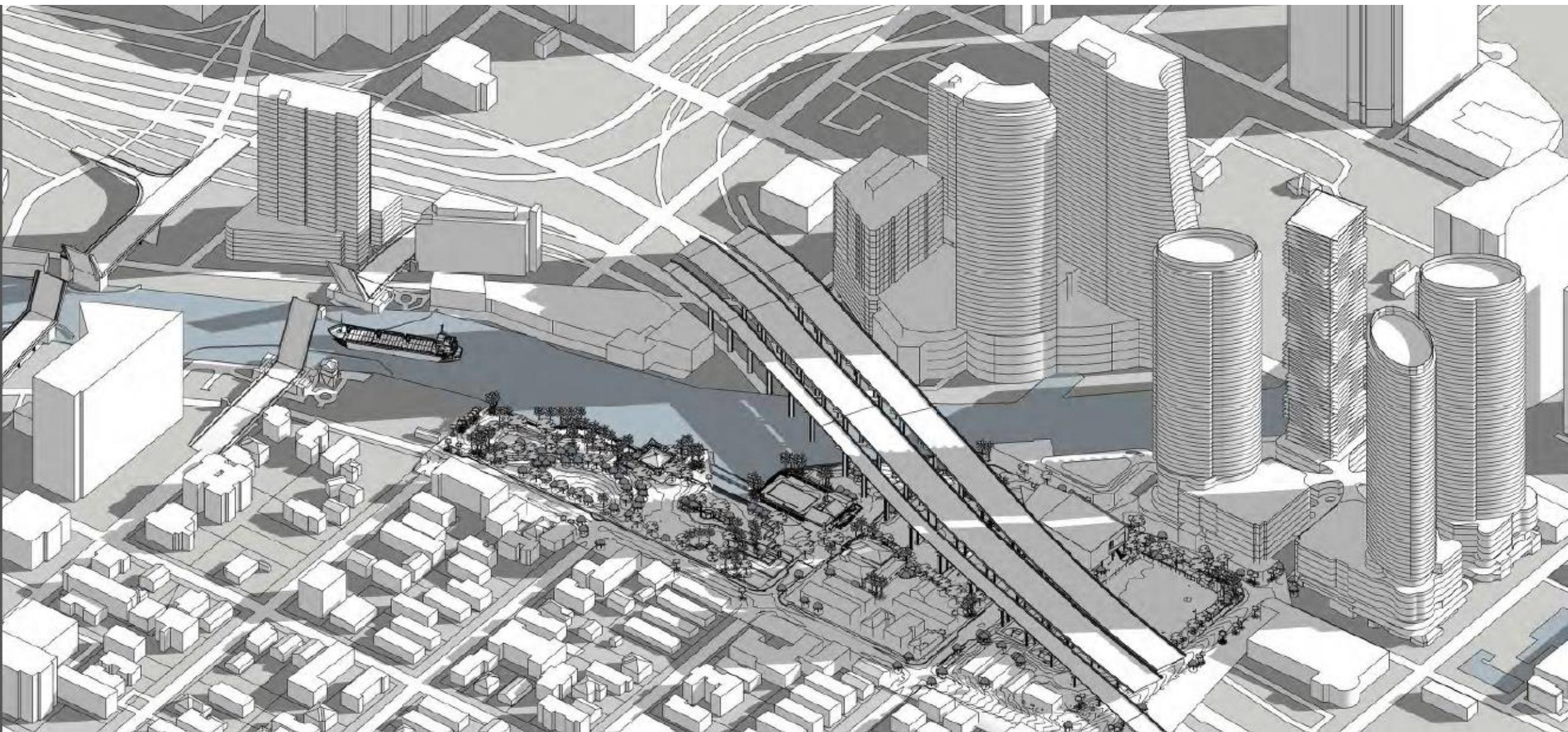


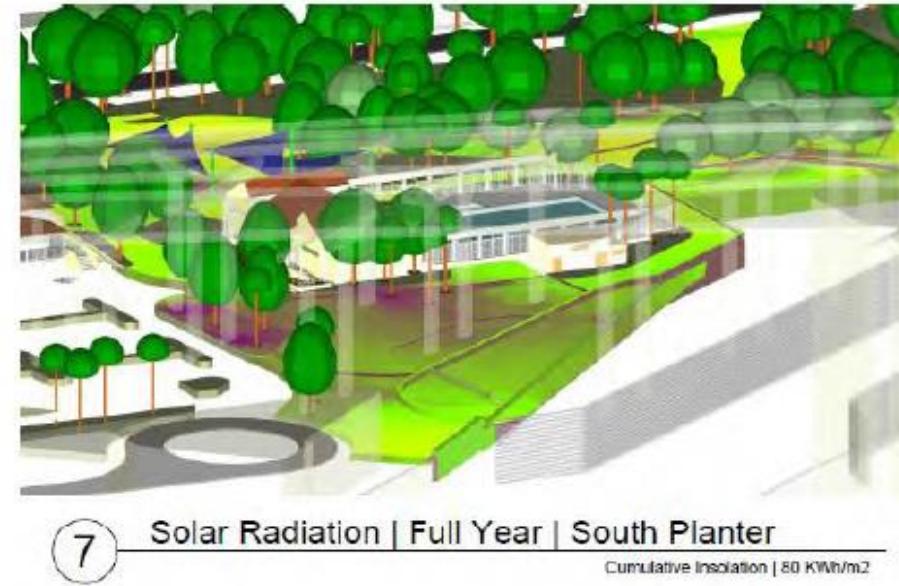
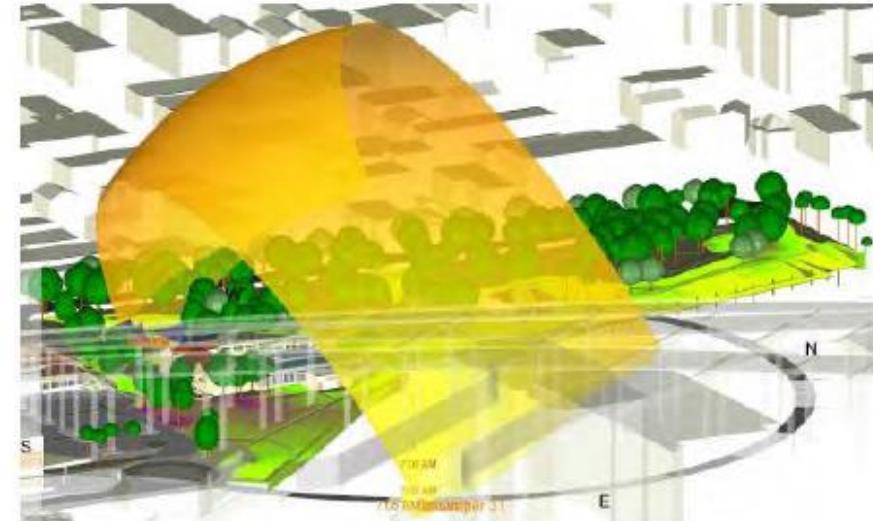
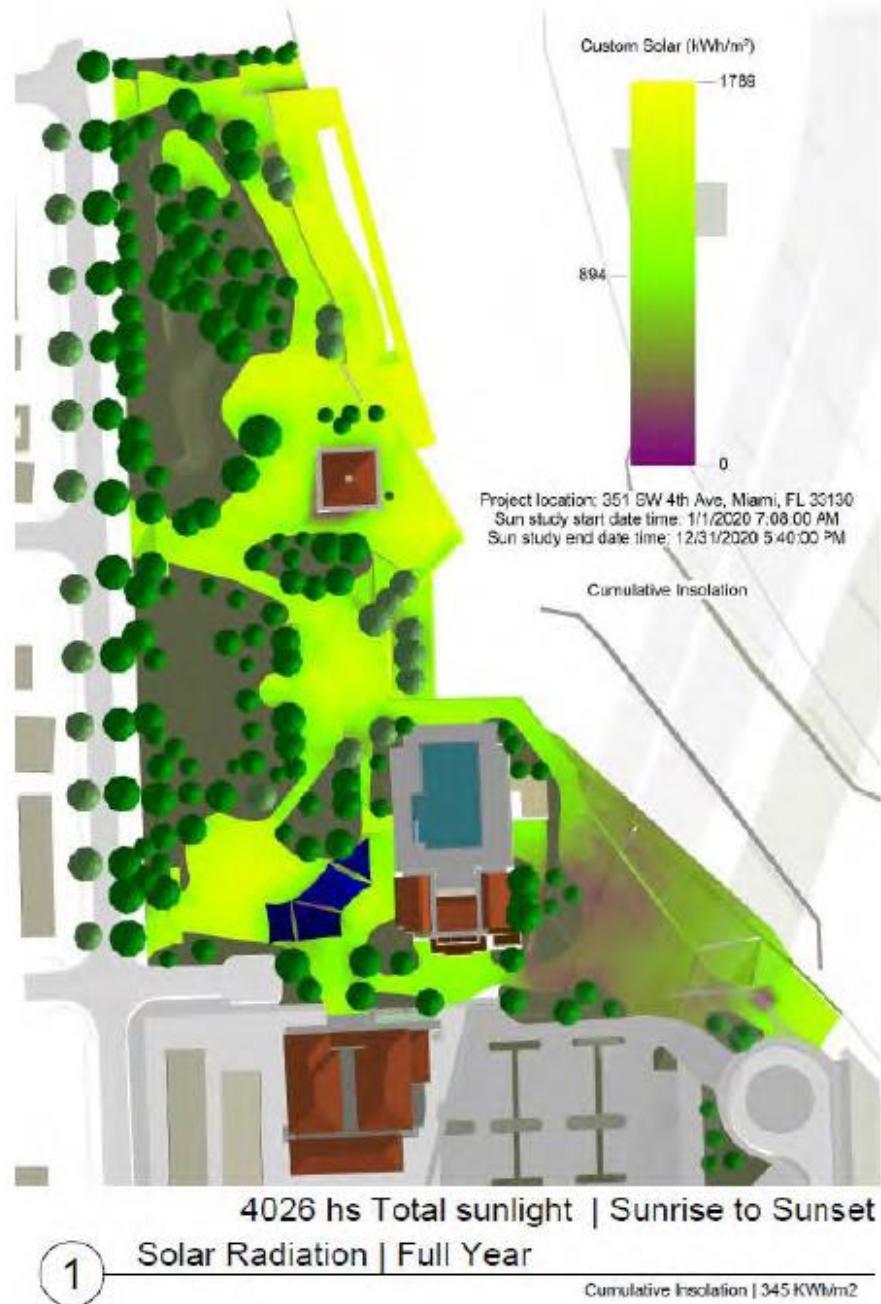
Fig.1.7 Conceptual diagram of CU-Structural Soil™ including stone-on-stone compaction and soil in interstitial spaces used as a base course for pavements.

From: "Using CU-Structural Soil in the Urban Environment", Cornell University, 2005.



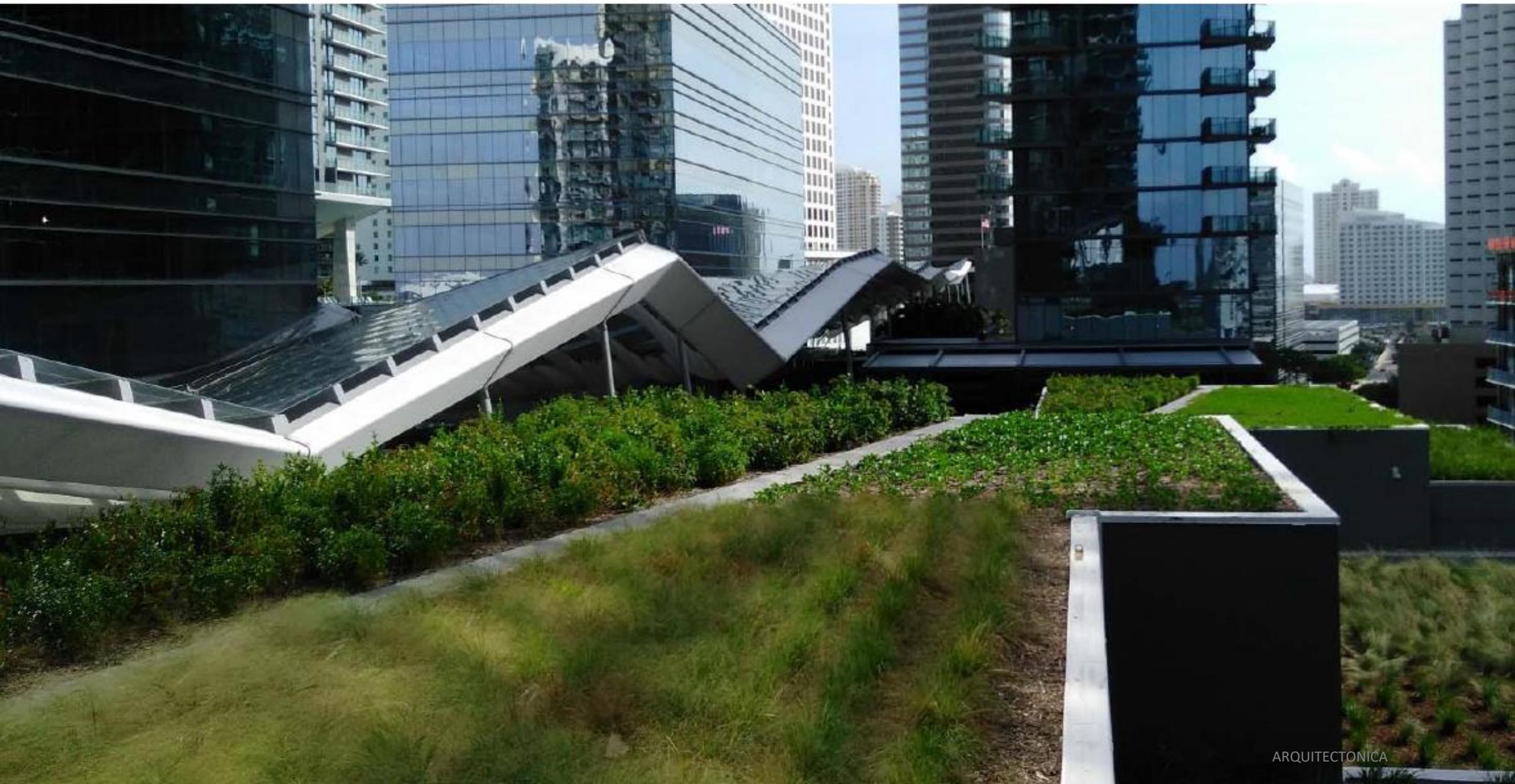
CURTIS ROGERS DESIGN STUDIO







ARQUITECTONICA



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integrando la naturaleza en el tejido urbano con la asistencia de grupos interdisciplinarios de profesionales expertos.

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