Last Call

Post-María Puerto Rico and the need for a Transformative Reconstruction

Edmundo R. Colón Izquierdo, ASLA ECo-Principal PUPR - ArqPoli - Dept. Landscape Architecture Coordinator IAPPR - President

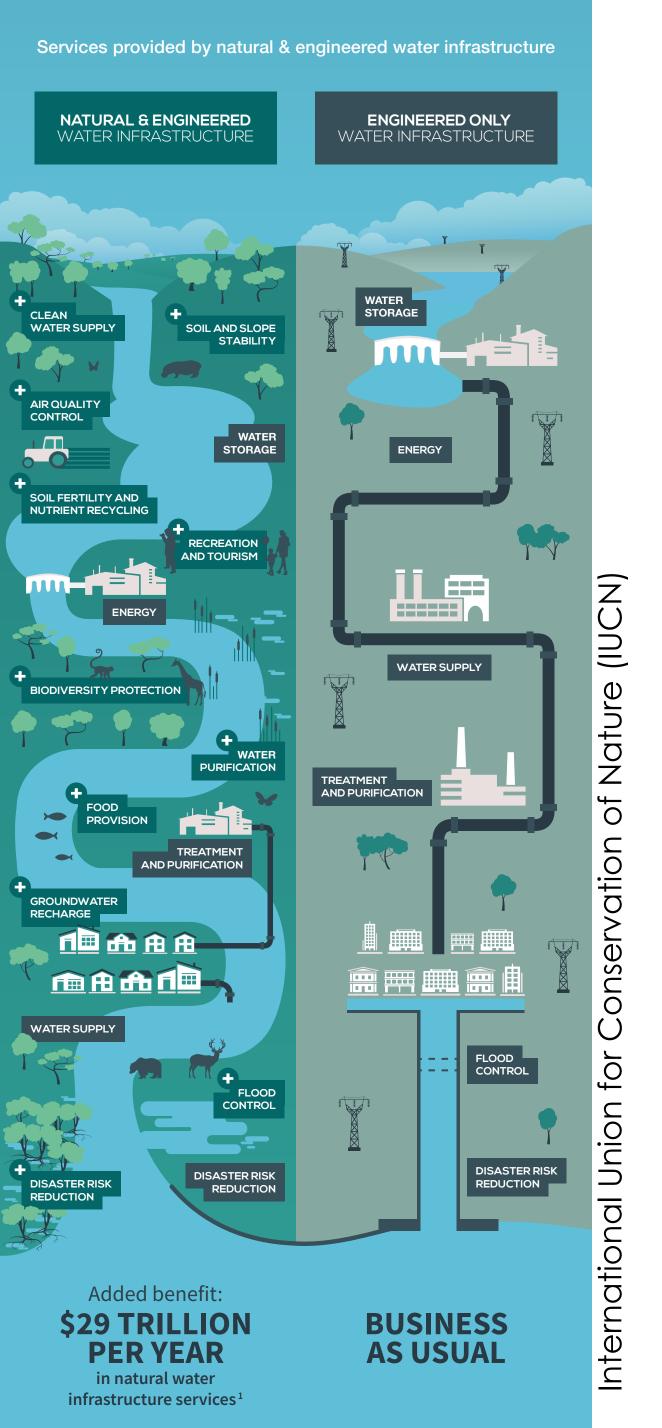
SEPTEM BER VOICE













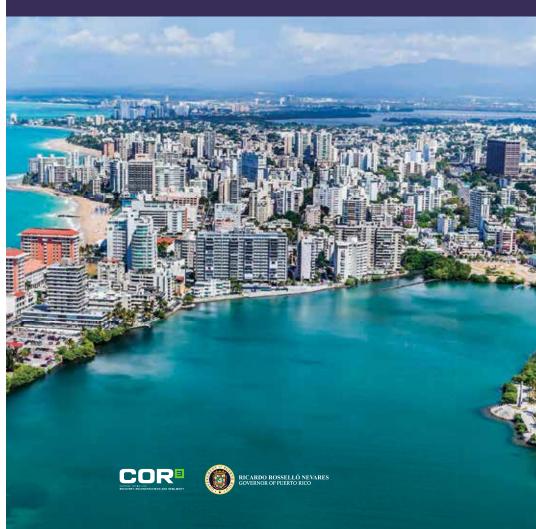
VS

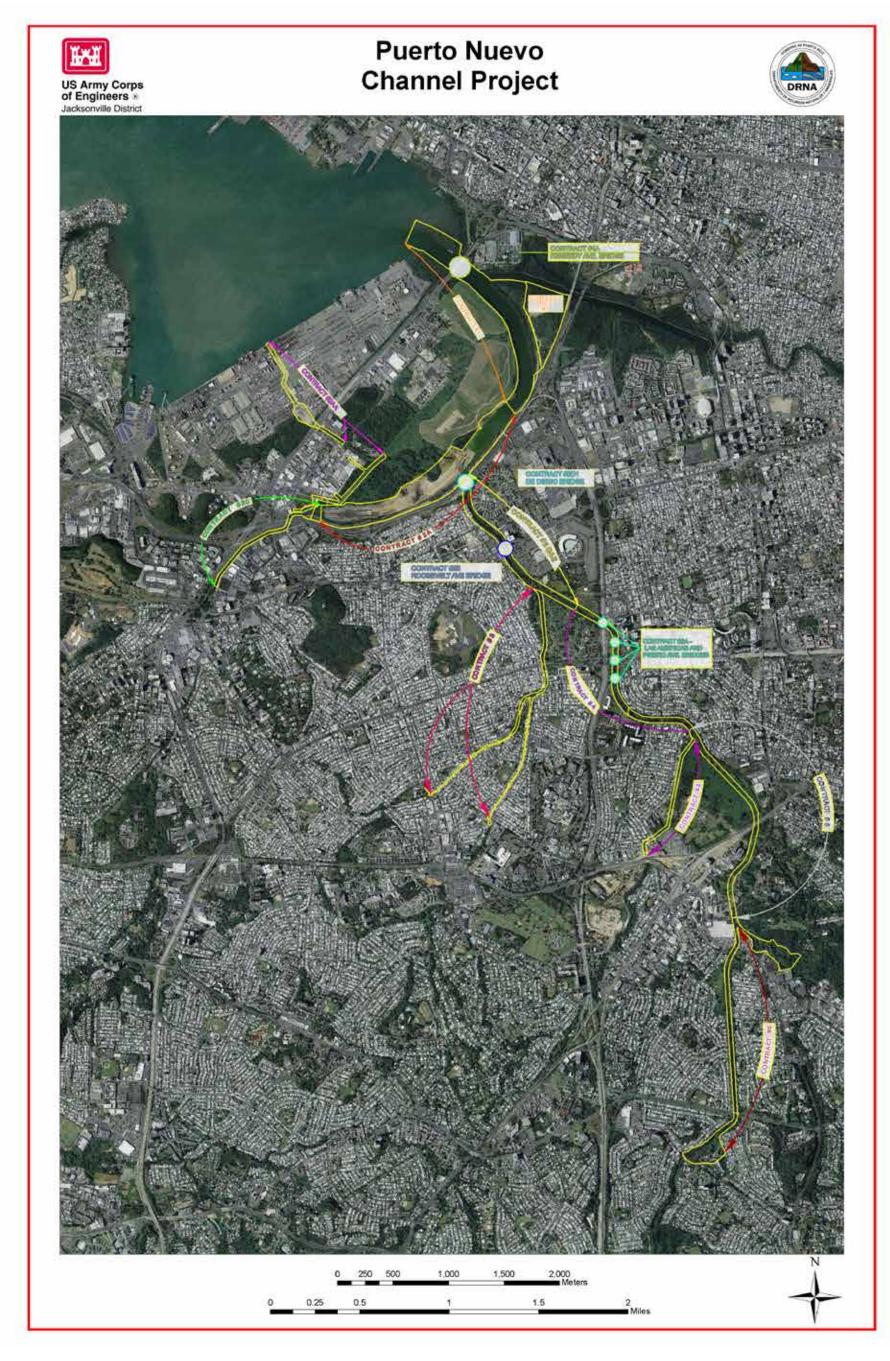


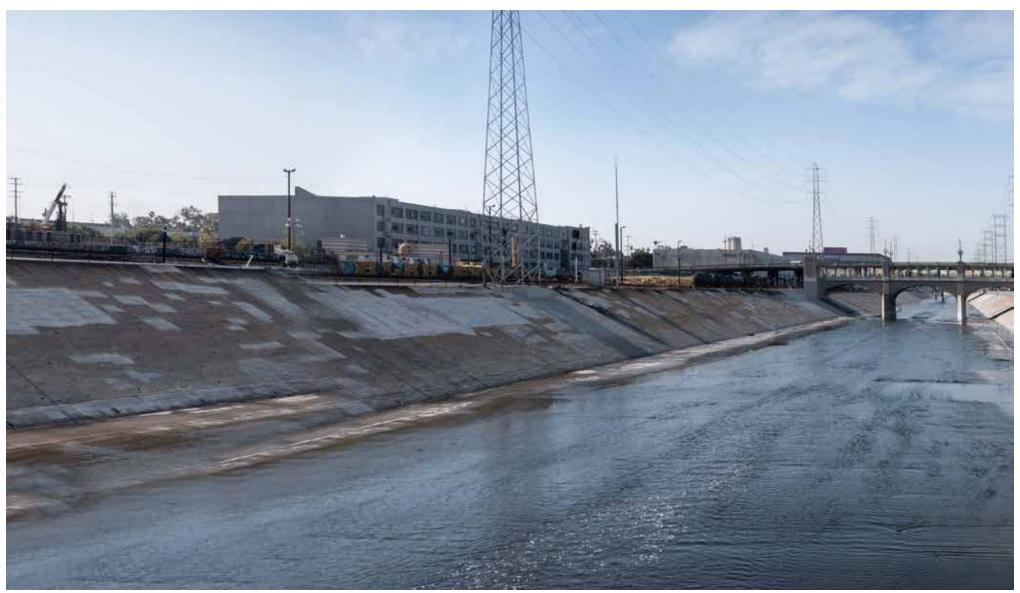


- There is a significant amount of funds that are supposed to arrive for reconstructing a place that had been in a constant economic and demographic decline for the past decade
- There is a real urgency to attend and prioritize communities that face real impending threats
- The "plan" is to solve these with the same old ideas

TRANSFORMACIÓN E INNOVACIÓN LUEGO DE LA DEVASTACIÓN UN PLAN DE RECUPERACIÓN ECONÓMICA Y DE DESASTRES PARA PUERTO RICO







RIO DE LA PLATA



Divided into three Segments:

Segment 1 – Partially completed.

- Contract 1A (West levee north of Dorado Bridge, Channel improvements & mitigation features) Completed
- Contract 1A (Dorado Bridge Scour Protection, West levee south of Dorado Bridge & Channel improvements) – On going
- Contract 1A (Structures for Dorado Bridge levee) Remains
- Contract 1B (Remainder of west levee, East Levee (to Sta. 150+00), Channel improvements, & Structures) - Remains

Segment 2 –

 Remainder of East levee, Bridge & scour replacement, and Channel improvements just south of PR HWY 2 Bridge
 Pagains

Segment 3

Channel improvements, Bridge scour protection and a grade control structure – **Remains**





• As funding is starting to flow, many projects are in the pipeline for implementation. There is very little time to change the course of recovery efforts

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LAST CALL

CONCERNS:

- Investment should be meaningful
- The chasm between nature and infrastructure should be closed
- Thereisahighcost to infrastructure, but a poor quality of life
- Solving Inequity and Inequality is not a priority
- Plan does not account for demographic change, particularly the higher educated middle class who has left and is leaving
- The capacity to access and manage recovery funds

ASPIRATIONS:

- Tie infrastructure projects to creation of opportunities for social, economic and cultural growth
- Ensure that public investments has significant repercussion and creates positive transformative impact
- Promote resiliency of ALL systems.
 Economic, Social, Ecosystemic and Infrastructural
- Prepare for Climate Change
- Promote Equity, Equality, Beauty and the best Quality of Life possible

TYPES OF KINTSUGI



Crack Method

Touches up with minimal, delicate lines



Makienaoshi Method

Replaces lost fragments with golden pieces

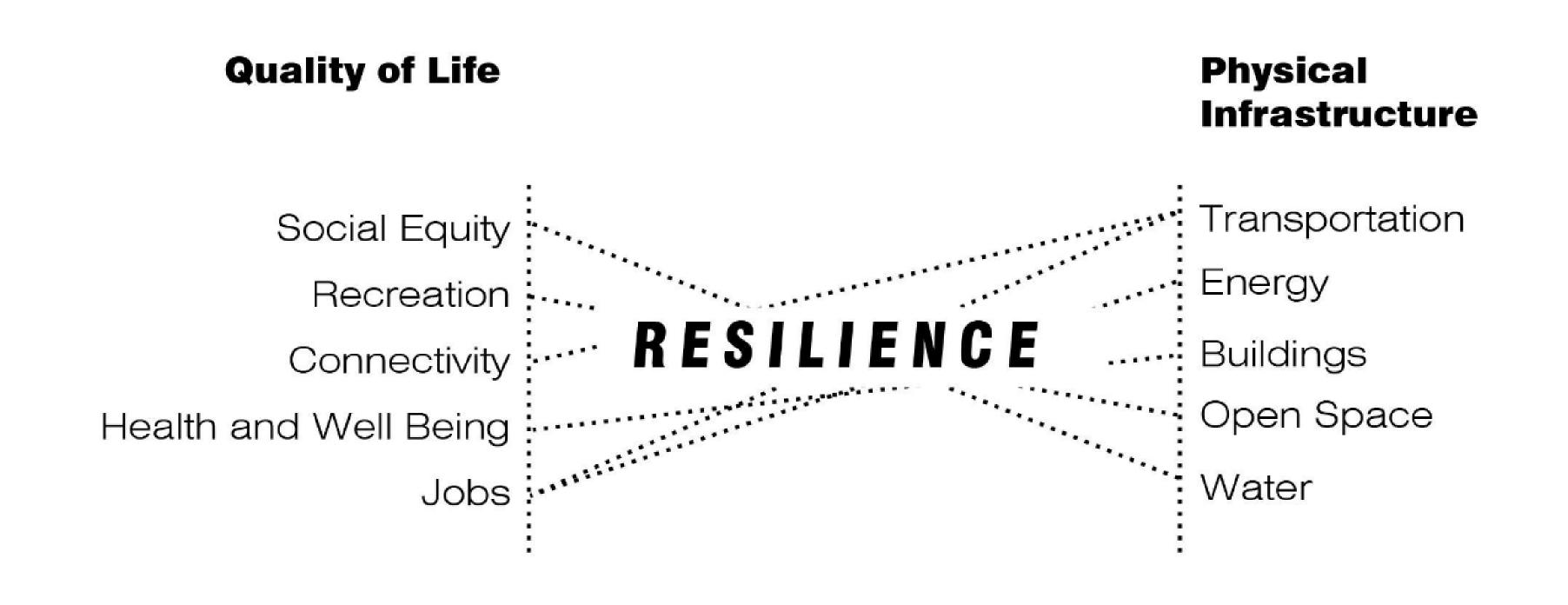


Joint Method

Pieced together with two different ceramics

WHATEVER WE PUT IN PLACE, MUST ADD VALUE.

CREATIVE AND CRITICAL THINKING



TRANSDISCIPLINARITY

As the prefix "trans" indicates, transdisciplinarity concerns that which is at once between the disciplines, across the different disciplines, and beyond each individual discipline. Its goal is the understanding of the present world, of which one of the imperatives is the overarching unity of knowledge

Inter-Connected Resilient Development Strategy

Infrastructure	Economy	Policy
Supply Chain	Cost-of-Living	Trade Laws
Connectivity/Communications	// Workforce ///	Tax Policy
Power Supply	Business Operations ((\)	// Capital & Debt Management
Environment	Quality-of-Life \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Risk Mitigation

Resiliency - Psychology

Resiliency is the capacity of a person or group to recuperate in the face adversity to continue to project or imagine the future. Occasionally, difficult situations or traumas allow the individual or group to develop resources or mechanisms that were not available or evident before. Specialists affirm that resiliency is directly related to self-esteem, therefore emphasizing the need to work with children to allow for this capacity to develop.

Creative and Transdisciplinary Design

- Public Space
 - that encouragesdemocracy, equality and enhances quality of life
- Natural or Naturalized Infrastructure
 - that serves social and natrural environments/systems and interconnects them
- Community and Urban Development
 - that ensures easy access to services, provides better growth opportunities and remakes urban centersrbanos
- Hybrid Infrastructure
 - that considers and reacts to climate change

Build a Compelling Argument





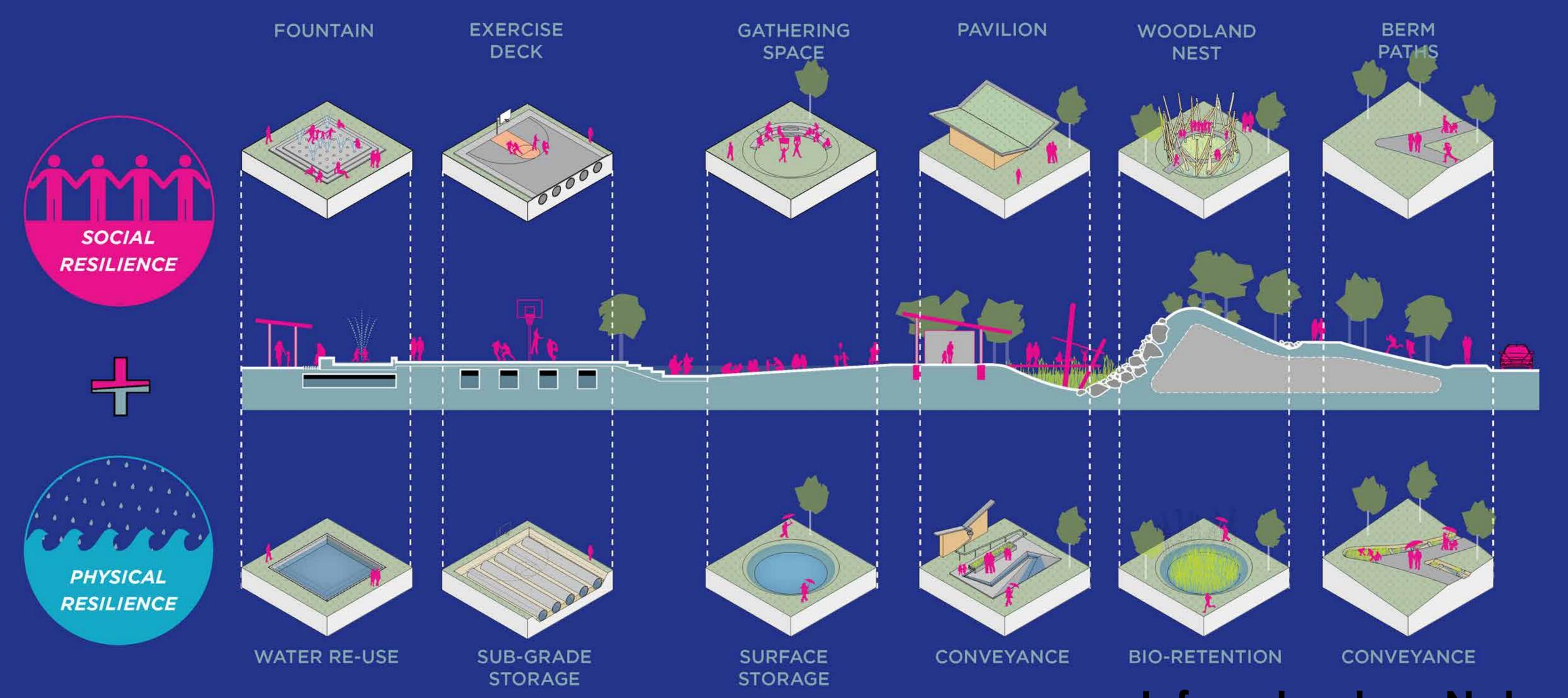








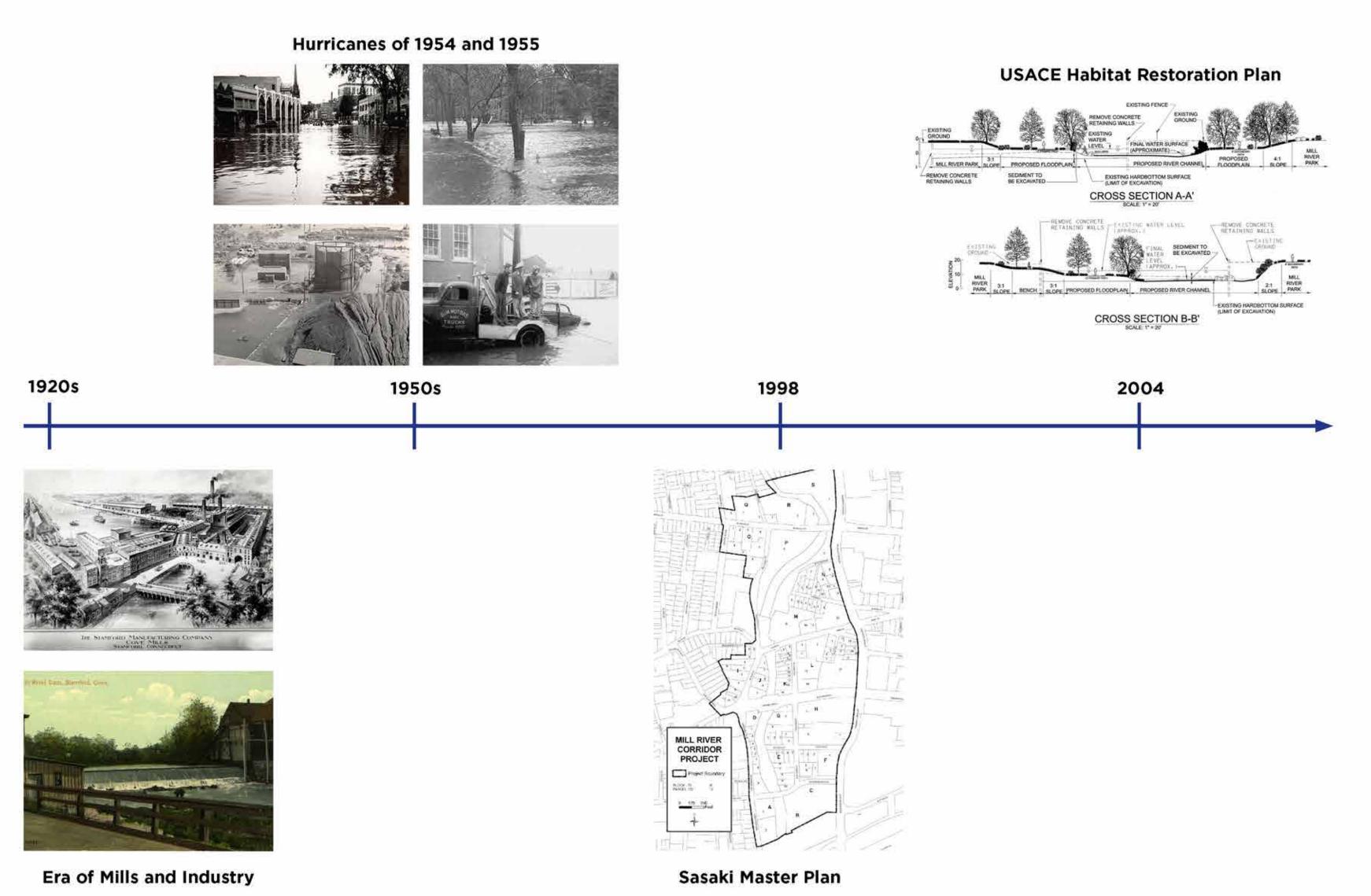
Any investment in infrastructure below must also be an investment in community space above



Infraestructura Natural LANDSCAPE INFRASTRUCTURE COMMUNITY COHESION River - Stanford, CNUNCLIDOIS

Contact Richard Roark, rroark@theolinstudio.com

I imeline of Mill River



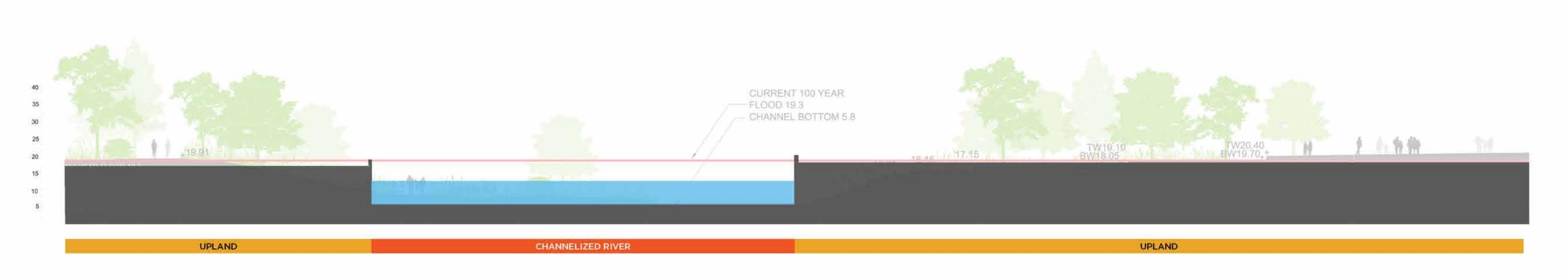


Mill River Greenway, OLIN

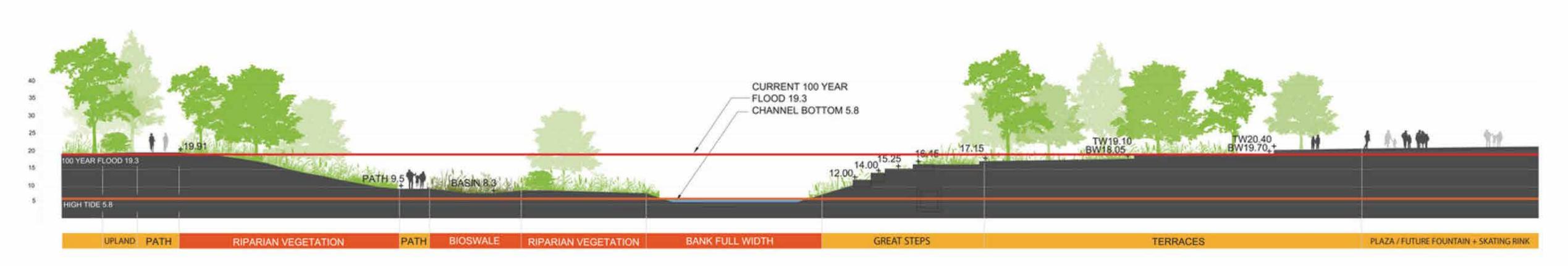
Infraestructura Natural

Mill River - Stanford, CN - Olin

Pre-Restoration Condition



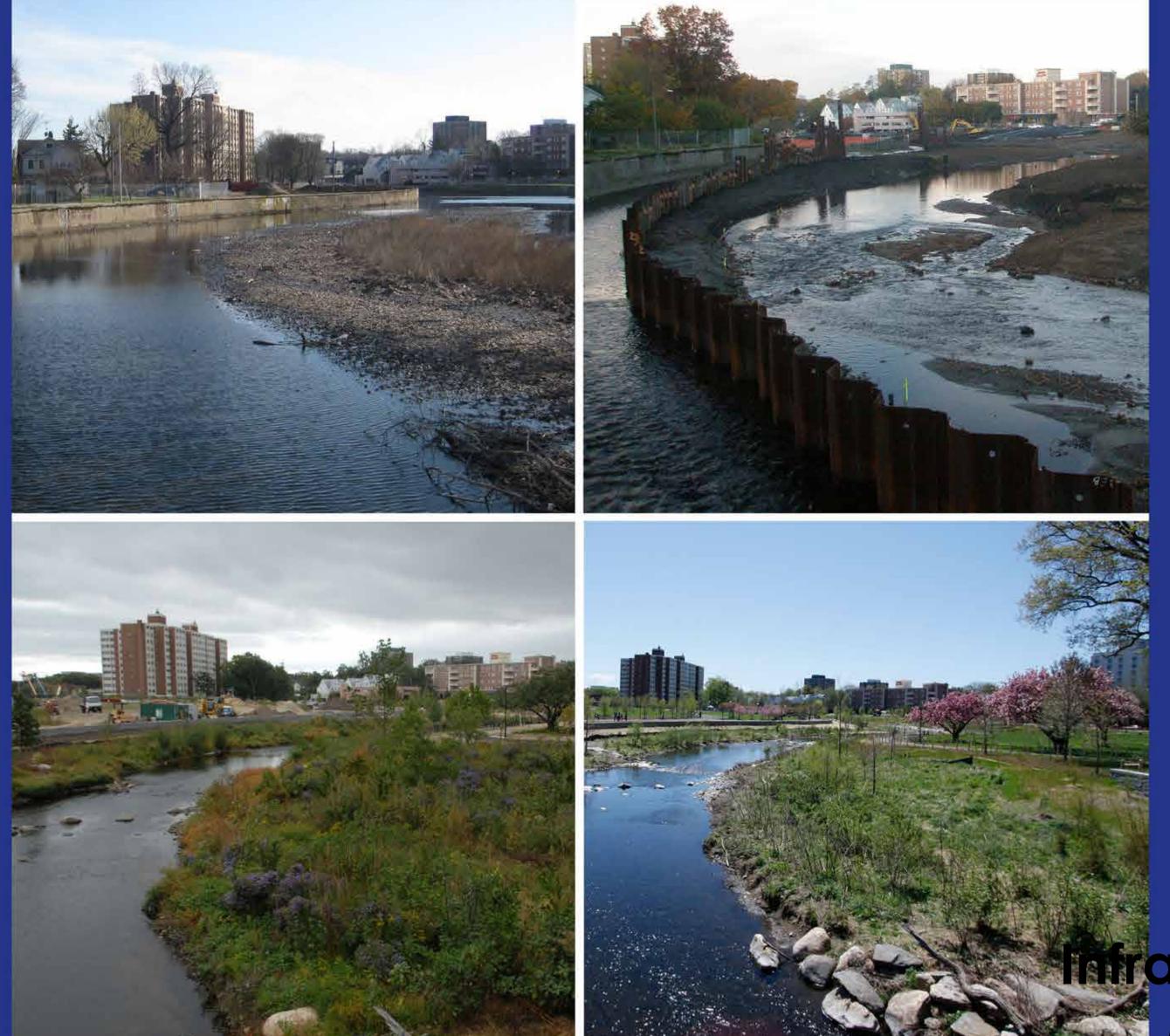
Restoration Design



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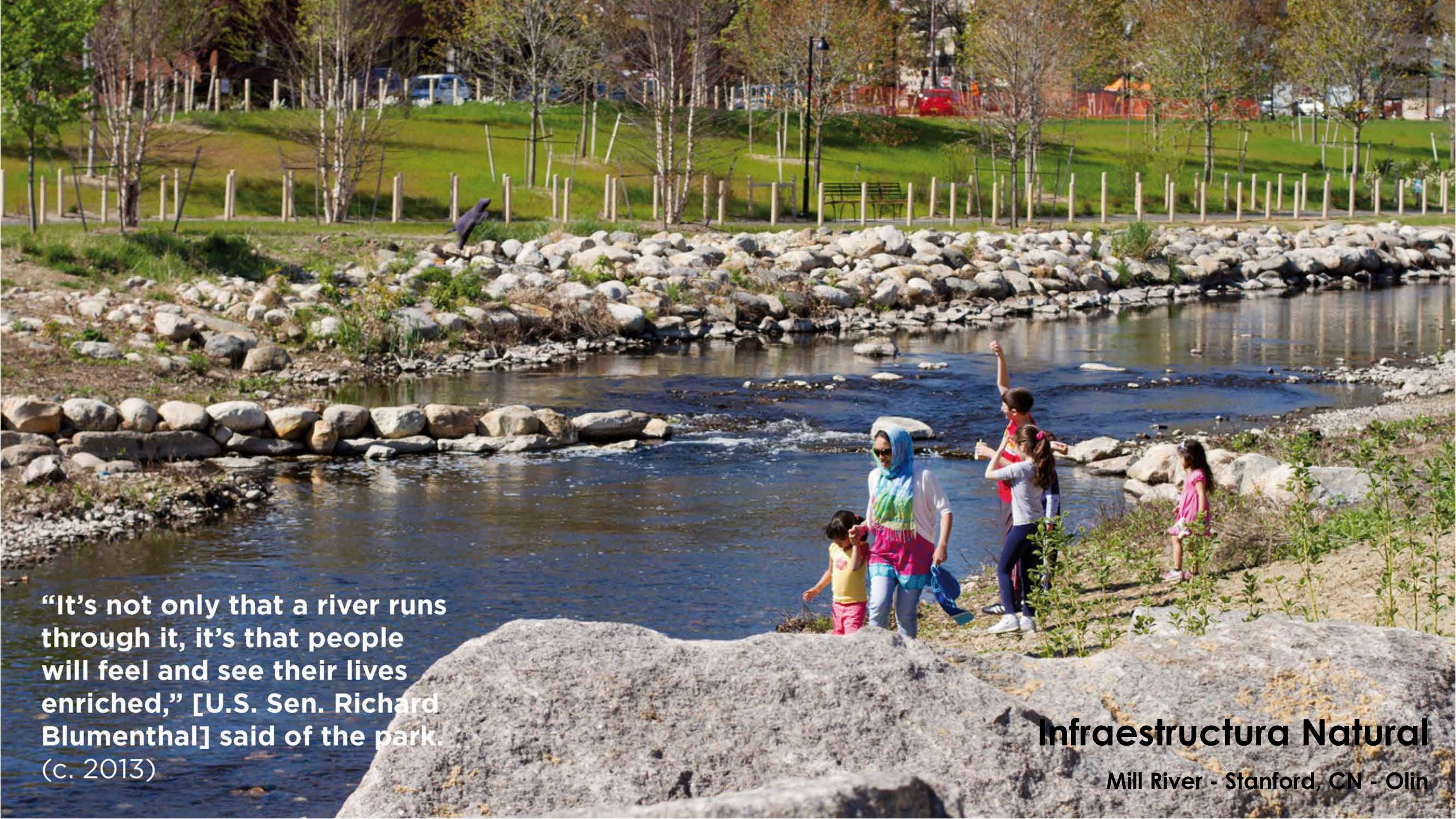
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Path to Restoration...



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DETROIT CERTIFIED MATERIALS logistics centers ABANDONED (waste) PARCELS sorting/stocking demo quality EXPORT GOODS DECONSTRUCTION vacant cleared land clay landfill EXCESS CONTAINMENT INFRASTRUCTURE NO TRAINING/JOBS/FUNDERS decommissioning TESTING TESTING ranging skills r&Zd sectors new permeability target density areas logistics & merc new topography longer term DIRECT DEPLOYMENT intermediate ATTENUATION distribution centers REMEDIATION innovation zones reversion SEEDED PRODUCTION LOCALIGOODS energy consumables CO-GEN, FUEL DISTILLATION reduced tax burden regional attractions WASTE CAPTURE, SYSTEM EFFICIENCY new hydrology adaptable land FILTRATION WETLANDS PASSIVE CSO SEPARATION ROTATING + ORCHARD CROPS EXPERIMENTAL AGRO new habitat programming PHYTO/BIOMASS FORESTY RECREATION NETWORKS LAND/SOIL FARMING/COMPOSTING RESEARCH DISTRICTS ACCELERATED SUCCESSION I Desarrollo Urbano Y Comunitario PUBLIC GOOD Detroit Future City, Detroit, MI - Stoss LU carbon reduction

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can generate

contamination reduction



LANDSCAPES FOR RECREATION, SOCIAL LIFE, AND SMALL-SCALE FOOD CULTIVATION

COMMUNITY

OPEN SPACES

PLAYGROUNDS NEIGHBORHOOD PARKS SPORTS FIELDS REGIONAL PARKS PLAZAS RECREATION CENTERS TRAILS / GREENWAYS URBAN GARDENS FARMERS MARKETS CEMETERIES (EXISTING)



ECOLOGICAL

LANDSCAPES

MEADOWS AND

ENVIRONMENTAL

INDUSTRIAL NATURE

RAPID REFORESTATION

SUCCESSIONAL ROAD

ROADS TO RIVERS

BENEFITS

PARKS

NATURE PARKS

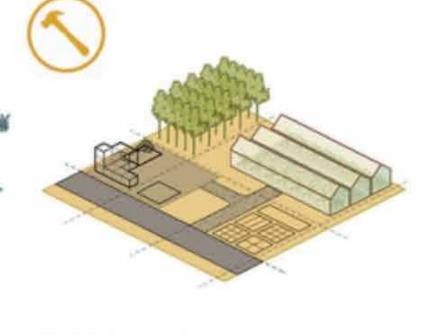
FORESTS THAT PROVIDE

HABITAT AND OTHER

BLUE+GREEN INFRASTRUCTURES

LANDSCAPES THAT CAPTURE STORMWATER AND CLEAN AIR

LARGE LAKE SMALLER RETENTION POND INFILTRATION PARK SWALES + INFILTRATION MEDIANS ROAD-SIDE POND (ALONG WIDE ROADS) **GREEN INDUSTRY BUFFER** CARBON FOREST



WORKING+ PRODUCTIVE LANDSCAPES

LANDSCAPES THAT **GENERATE NEW** KNOWLEDGE, GROW ENERGY AND FOOD, AND CREATE NEW URBAN **EXPERIENCES**

RESEARCH LANDSCAPE URBAN FARM AQUACULTURE AND HYDROPONICS ALGAE-CULTURE ENERGY FIELD OR FOREST HOMESTEADS CAMPGROUNDS

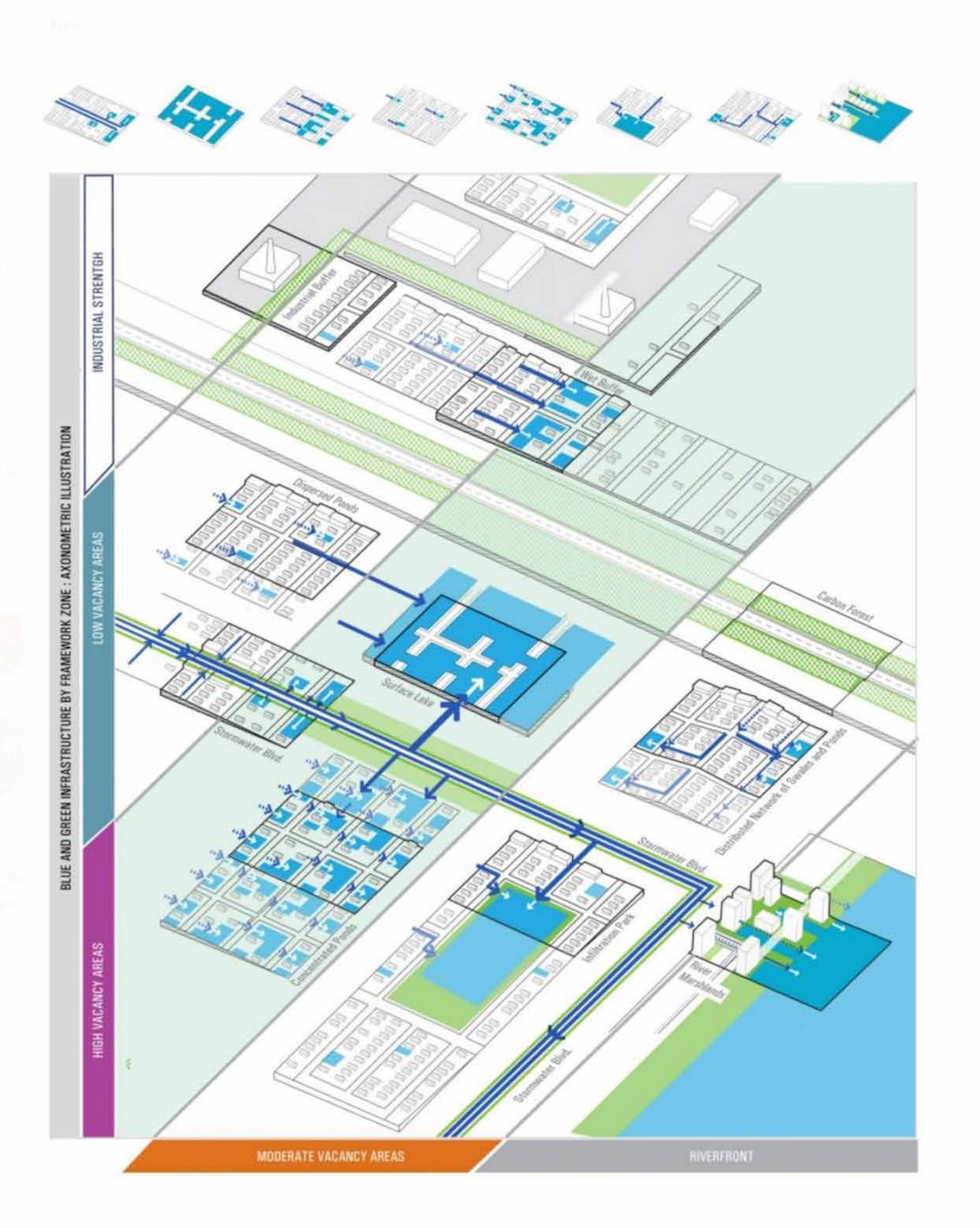


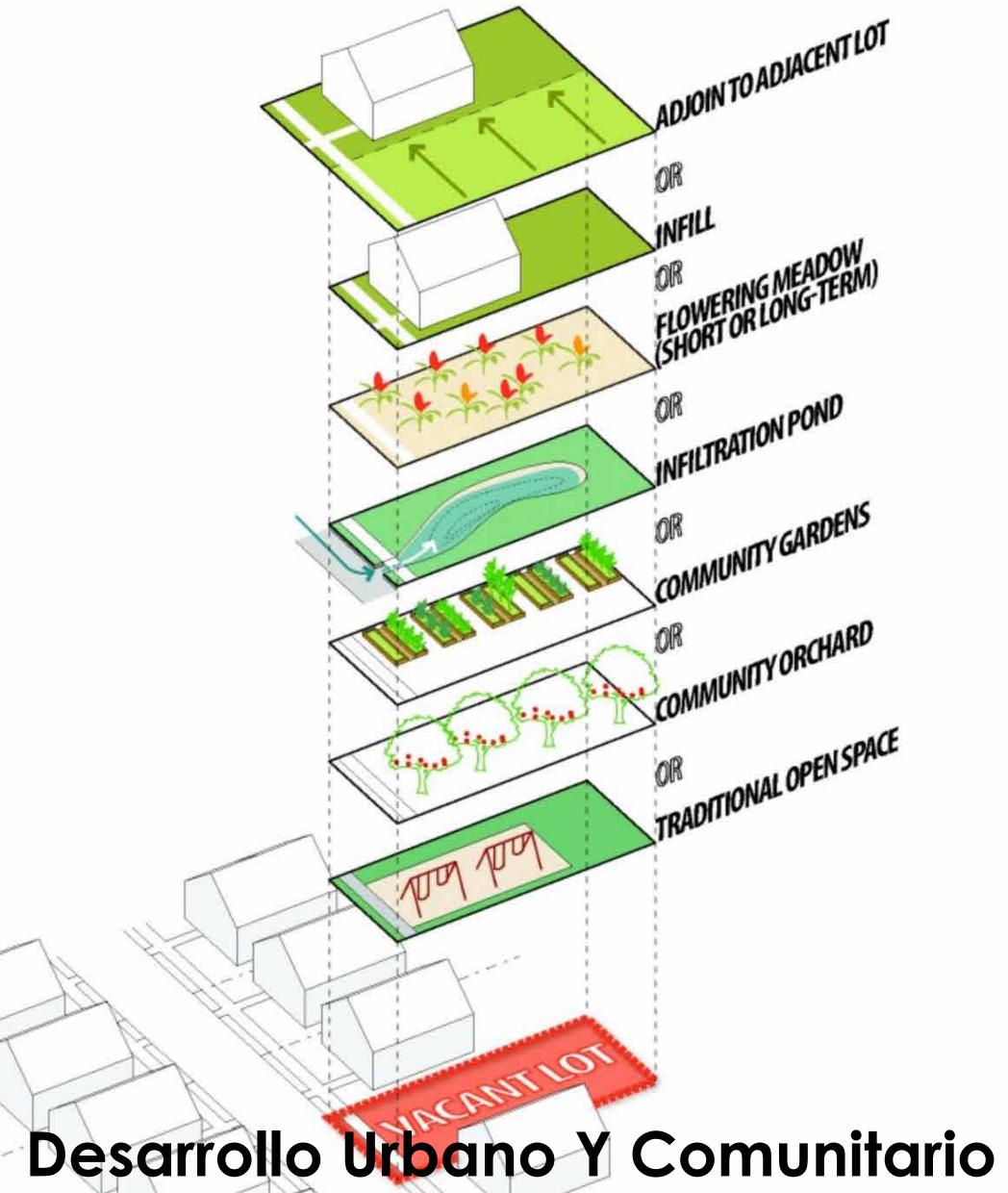
TRANSITIONAL LANDSCAPES

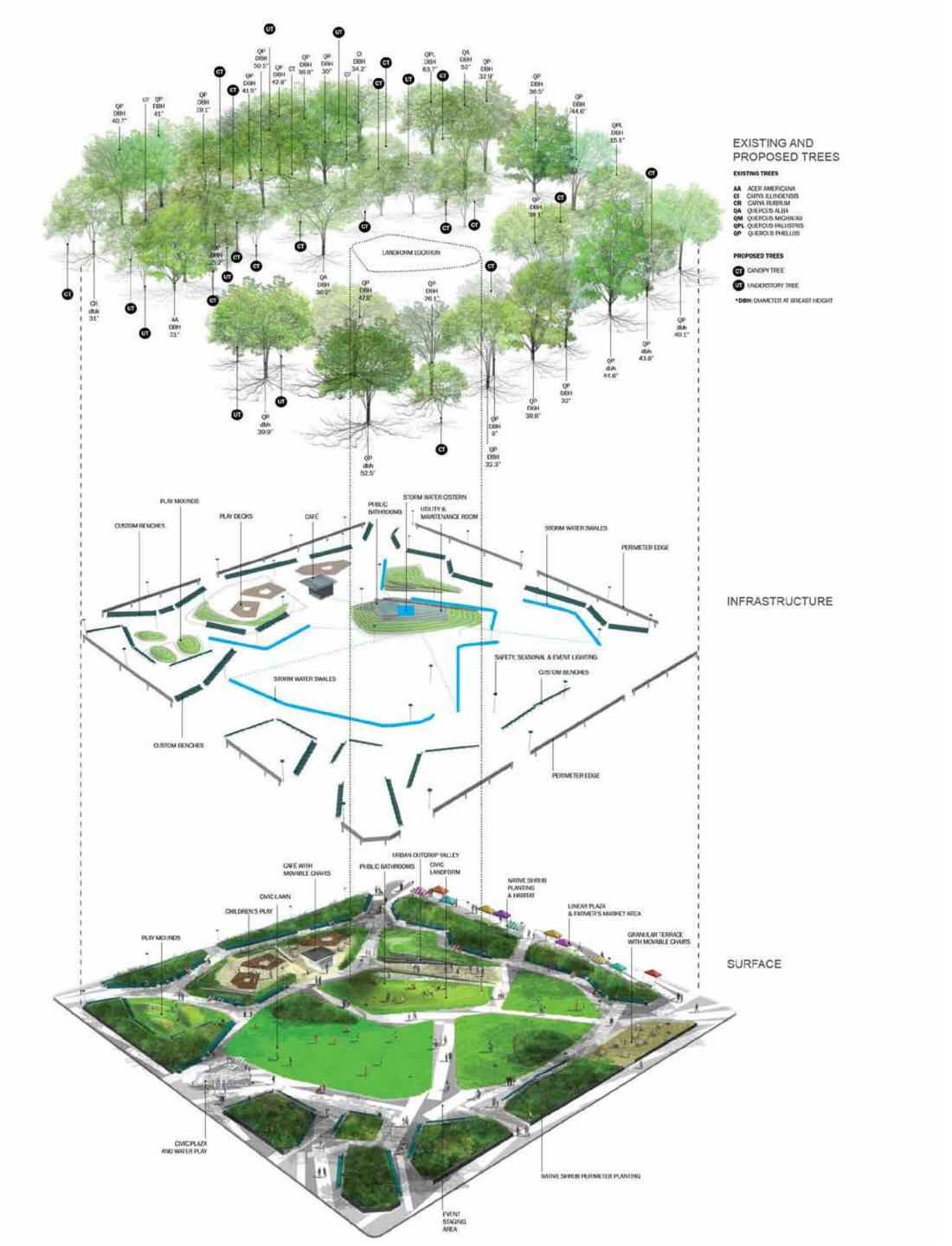
TEMPORARY LANDSCAPES THAT CLEAN SOIL AND **ENABLE NEW FORMS** OF SOCIAL LIFE AND CREATIVE DISPLAYS

EVENT LANDSCAPES REMEDIATION FIELDS OR FORESTS ART-SCAPES **URBAN MEADOWS**

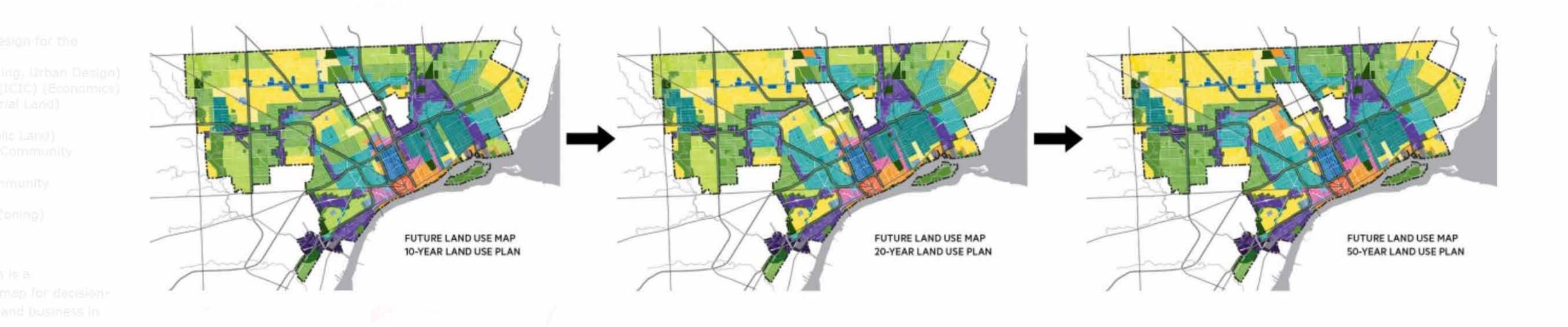
Desarrollo Urbano Y Comunitario

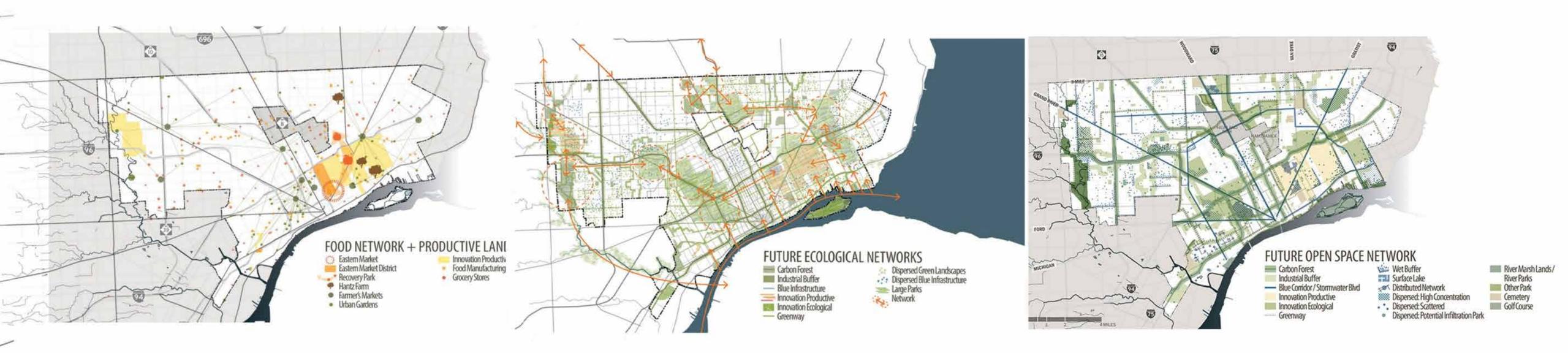






Desarrollo Urbano Y Comunitario





Desarrollo Urbano Y Comunitario

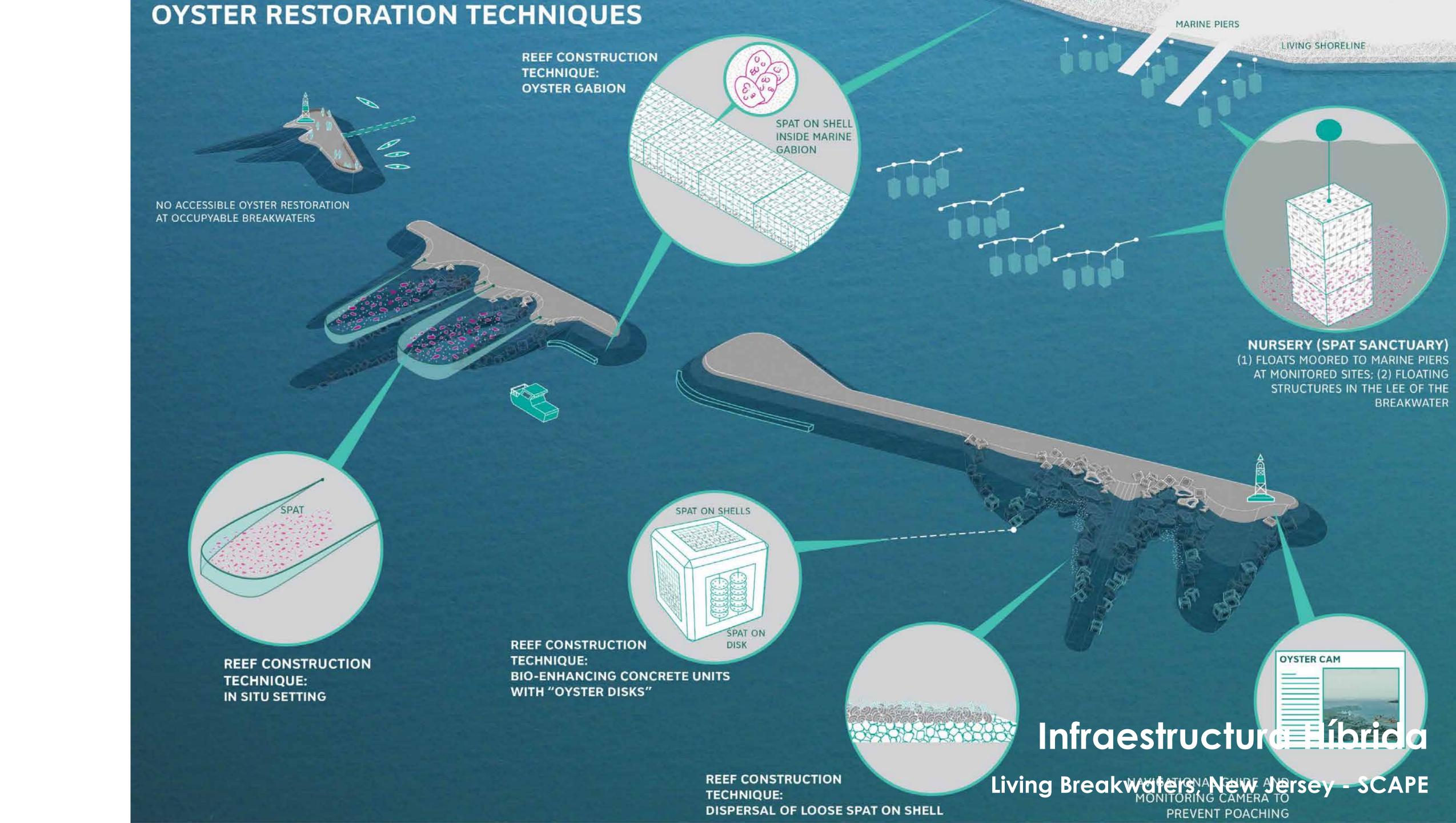


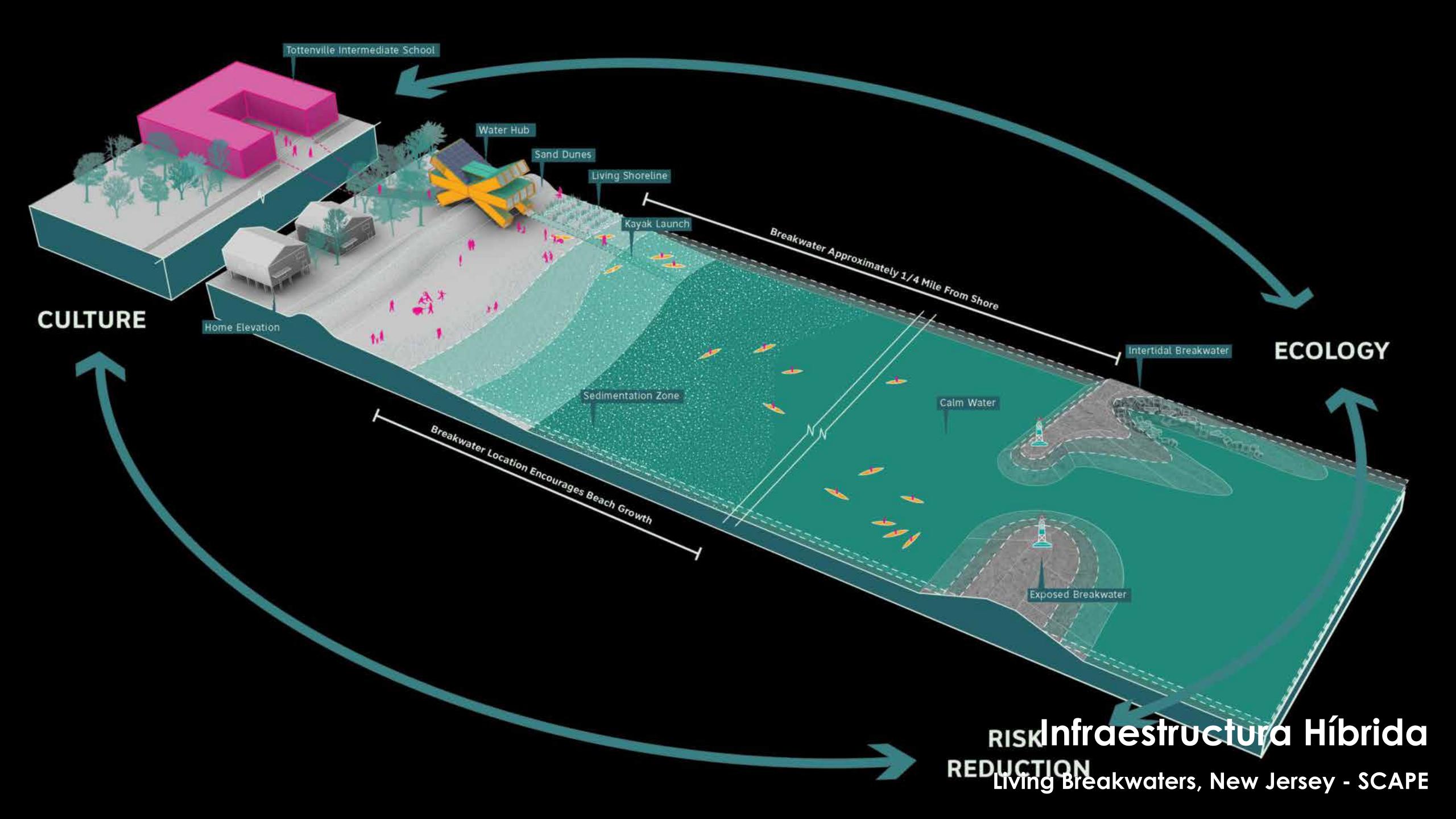




Infraestructura Híbrida

Living Breakwaters, New Jersey - SCAPE









LOST COIL

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