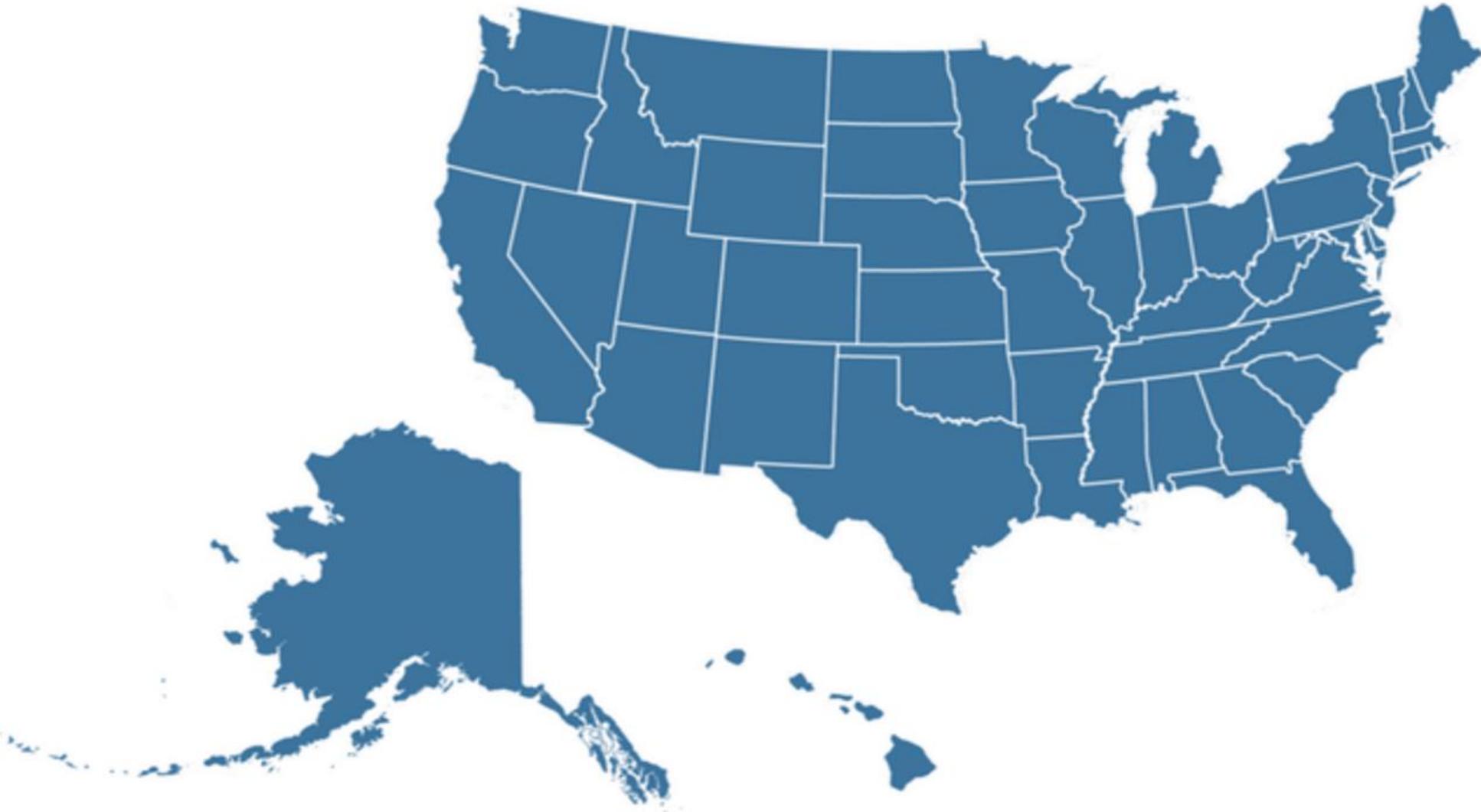


Good Morning! Welcome to "The 3.5% Solution: How will we make future cities livable?" Please take a moment to answer a few short questions....

Where are you from?



Where do you live?

City >
500,000
inhabitants

City <
500,000
inhabitants

Rural Area

What do you feel is the most pressing issue facing cities today?

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Questions related to specific products and services may be addressed at the conclusion of this presentation.

Speakers List

- Claire Weisz FAIA
WXY New York NY
- Julie Snow FAIA
Snow Kreilich Minneapolis MN
- Anne Marie Decker FAIA
Duvall Decker Architects Jackson MS
- Carol Ross Barney FAIA
Ross Barney Architects Chicago IL

Course / Learning Objectives

1. Learn how distressed cities, communities and neighborhoods with little to no resources to propose utopian planning improvements or make broad infrastructure investments, have capitalized on the strengths of their place to become urban environments worth choosing.
2. Explore the role of social, “invisible infrastructure” in fast growing urbanizations that operate to support urban life.
3. Identify strategies to design within multiple layers of context: urban and landscape context, sustainable ecological systems, and the social, cultural, iconic and political project context.
4. Look at other World Cities to imagine new infrastructures that might be easier to deploy, operate more sustainably, and more resiliently than our typical western systems.

3.5%

of the land area in the United States is occupied by cities.

63%

of the United States population lives in cities.

THE ENDLESS CITY

The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society

121

buildings over eight storeys in 1980 in Shanghai

10,045

buildings over eight storeys in 2005 in Shanghai

14%

green open space in New York

35.6%

green open space in Berlin

19m

people lived in Mexico City in 2000

47.5x

more than in 1900

24.1%

live below the poverty line in Johannesburg

\$1.3m

average cost of an apartment in Manhattan

100%

lived in cities in 1900

50%

is living in cities in 2007

75%

will be living in cities in 2050

4%

of the population of Johannesburg reaches the age of 65

22.7%

of all Johannesburg residents are younger than 14

65%

of New Yorkers belong to an ethnic minority

56%

of new residents in London were foreign born in 2001

16m²

living space in 2006 in Shanghai

2.5x

more than in 1990

55%

of New Yorkers use public transport to get to work

25x

increase of privately owned cars in Shanghai between 1999-2005

PHAIDON

33%

of all journeys made in Johannesburg are by foot

35%

of all journeys made in Berlin are by foot or by bike

91%

employed in the service sector in London

Around half of the world's urban population lives in cities with less than half a million inhabitants.



Source: United Nations, Department of Economic and Social Affairs, Population Division (2014).
World Urbanization Prospects: The 2014 Revision, custom data acquired via website



NEW YORK
MINNEAPOLIS



CHICAGO
JACKSON



City	Population
New York	8,580,015
Chicago	2,720,546
Minneapolis	420,721
Jackson	169,148

New York

8,580,015

Chicago

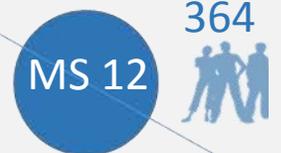
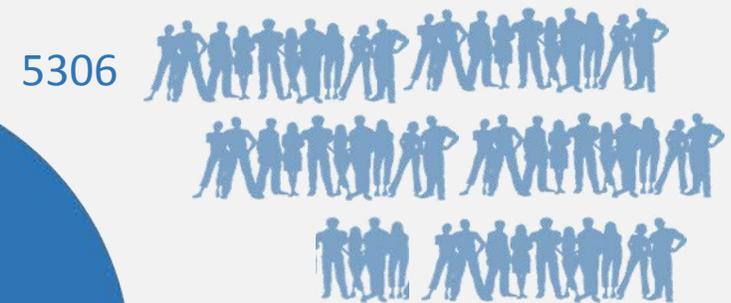
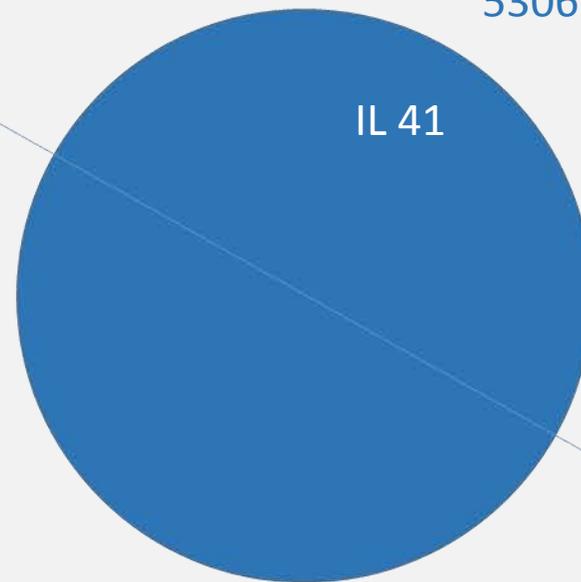
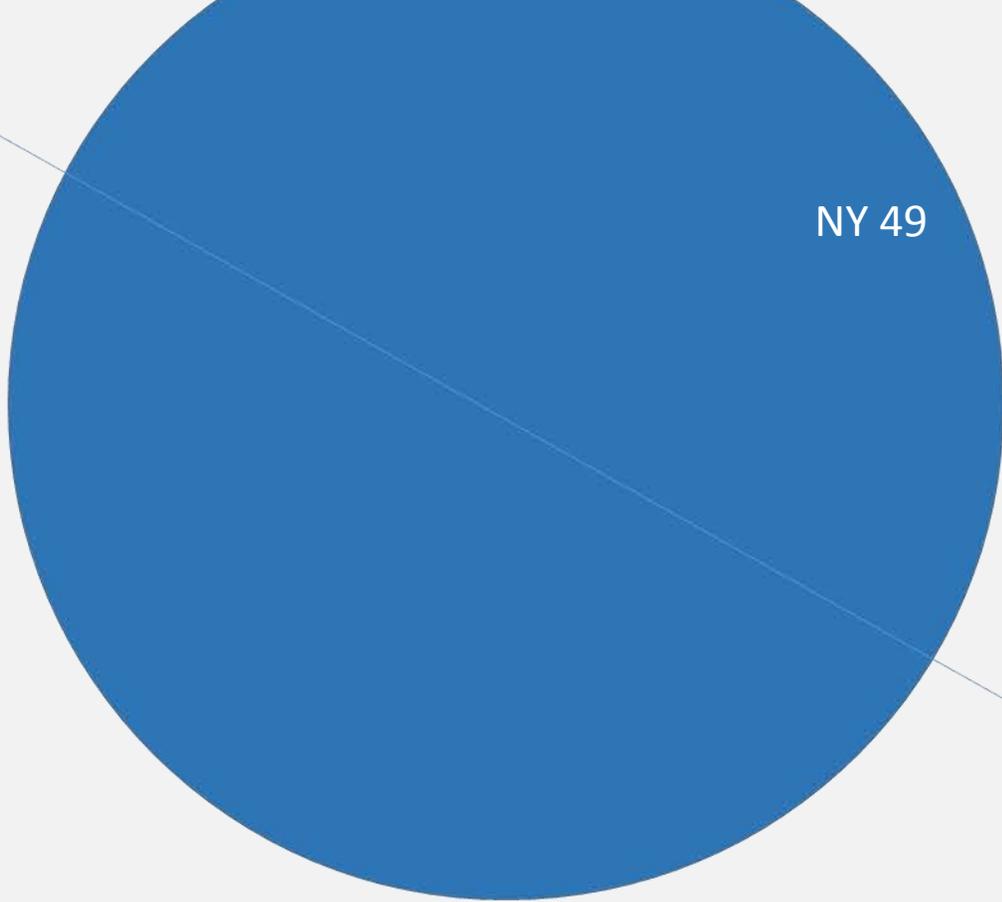
2,720,546

Minneapolis

420,721

169,148

Jackson



NUMBER OF LICENSED ARCHITECTS
TOTAL REGISTRATIONS
PER CAPITA # OF ARCHITECTS PER 100,000 RESIDENTS



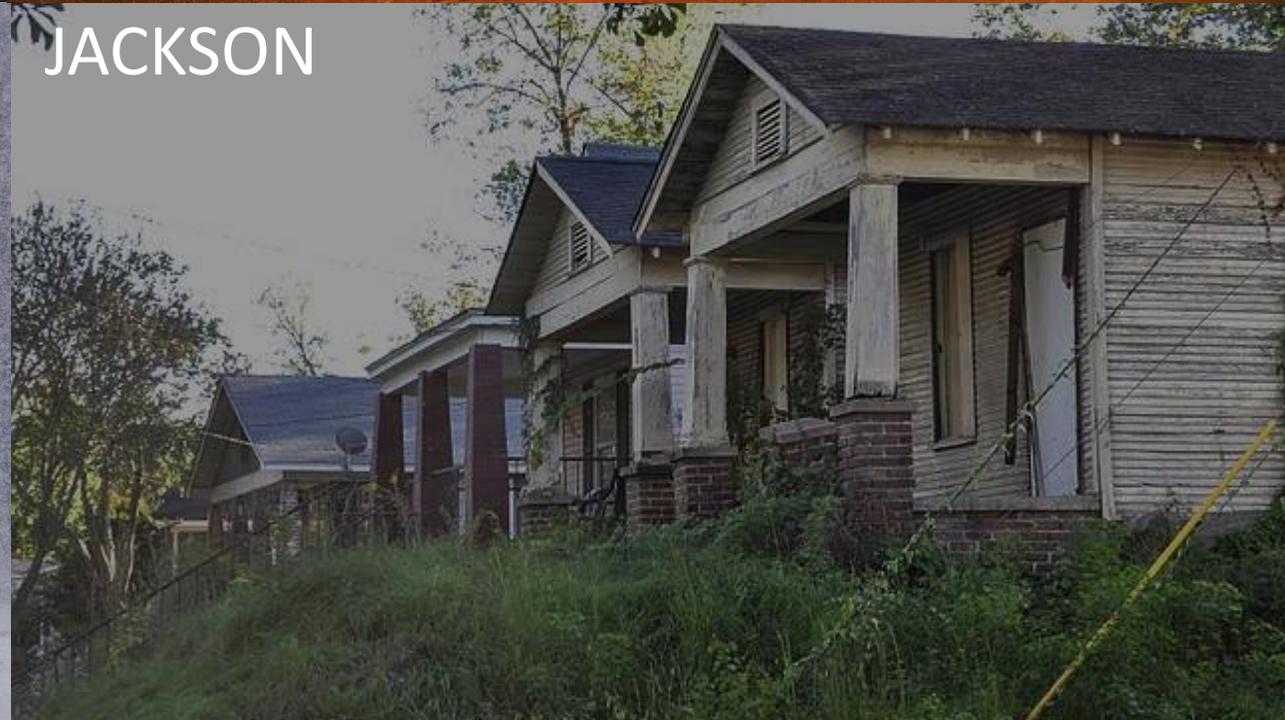
NEW YORK



CHICAGO



MINNEAPOLIS



JACKSON

What types of infrastructure have the greatest potential to combat growing inequalities?

What happens when people make design & planning a priority in their cities?





SPACES & PLACES
APRIL
2018

SHORT-TERM
LONG-TERM

FFS PRO

Spaces and Places 2018, photograph by Amina Hassen WXY

Hard questions are asked of architects

EDUCATION

BUILT FOR
COMMUNITIES
OR USERS
OF PRIVATE

STEWARDSHIP
left to
PROPERTY OWNERS
+ RESIDENTS

being
lack of market

LIVES AT
RISK

low rates of academic
success

top of teachers took
Whit - female

Decrease sus
expulsion rat
black child

Lack of
Quality
Curriculum
and
Child
Development

FUNDING
of Design
PLANNING
STRUCTURE

ISSUES
POSITIONS

STIGMA
OF
COUNCIL

TREATMENT
TRAMES

Funding

Support
to be
to be
to be

Teachers
of
of
of

210
210
210

Funding



Why is outside so important in cities?

What makes architecture important?



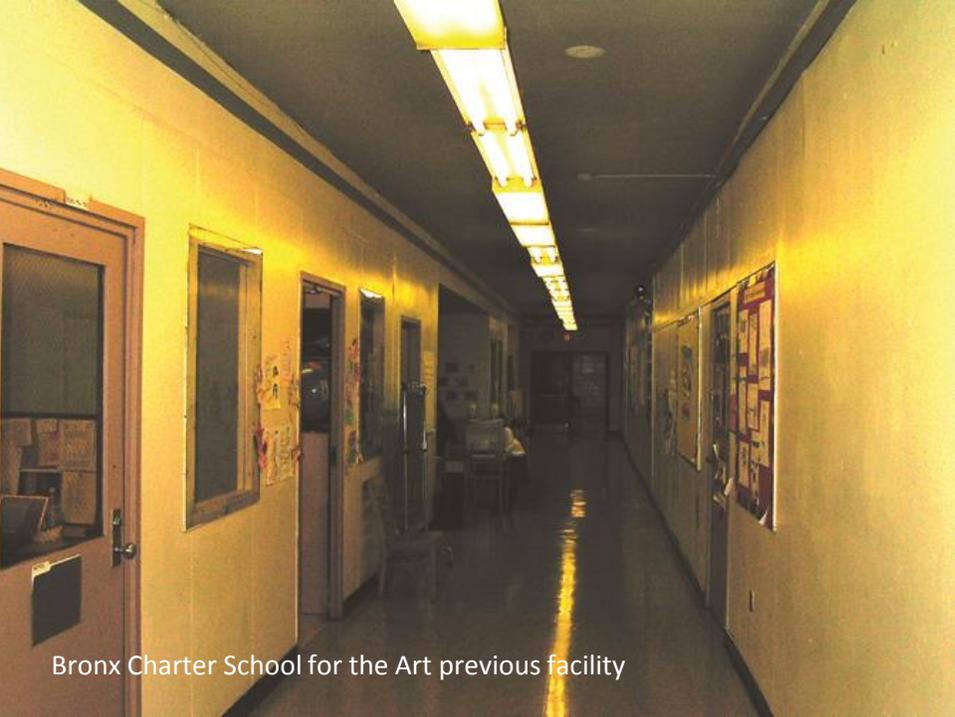
What is the cost of not investing in healthy urban environments?

Or better yet

What are the benefits of investing in healthy urban environments?

Imagine if all infrastructure spending required a community design driven process and infrastructure was defined as with anything you could add system on the end of...

Health System - schools?



Bronx Charter School for the Art previous facility



Bronx Charter School for the Arts WXY photo Albert Vecerka Esto

Health System streets?



Astor Place prior to reconstruction 2015

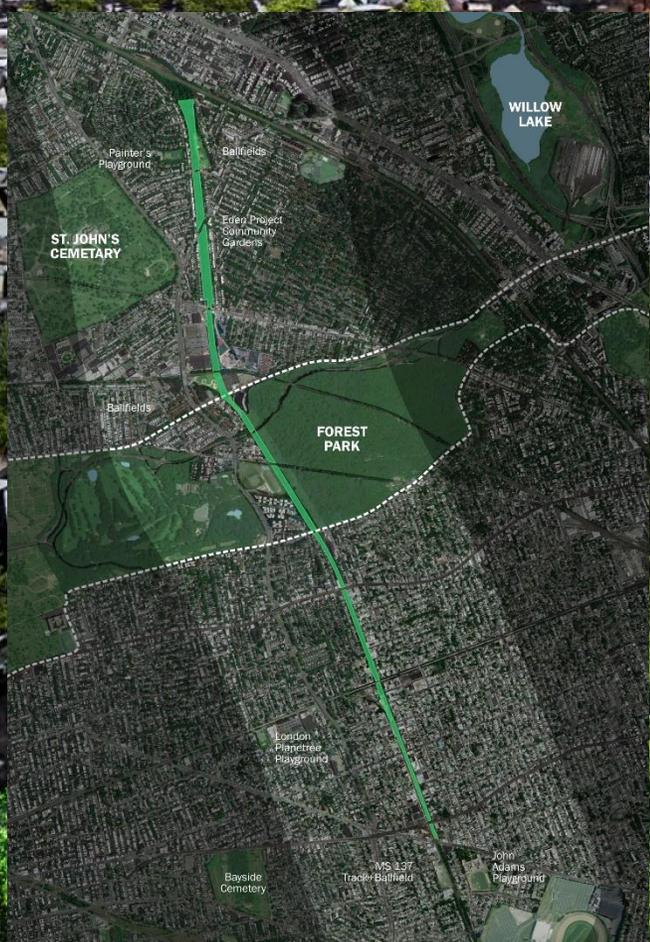


Astor Place Reconfiguration 2017 WXY photo Amy Barkow

Health System – streets?



Health System - greenways?





A'18 AIA Conference on Architecture 2018
June 21-23, New York City

Health System - boardwalks?



Rockaway Boardwalk Reconstruction – WXY photography Wade Zimmerman

Health System - roofs?



Health System - roofs?



Health System - roofs?



Urban Beekeeping NYC – Stephan Jaklitsch



View of the Highline / Whitney Museum

Health System - walls?



Health System - porches?



Health System - benches?

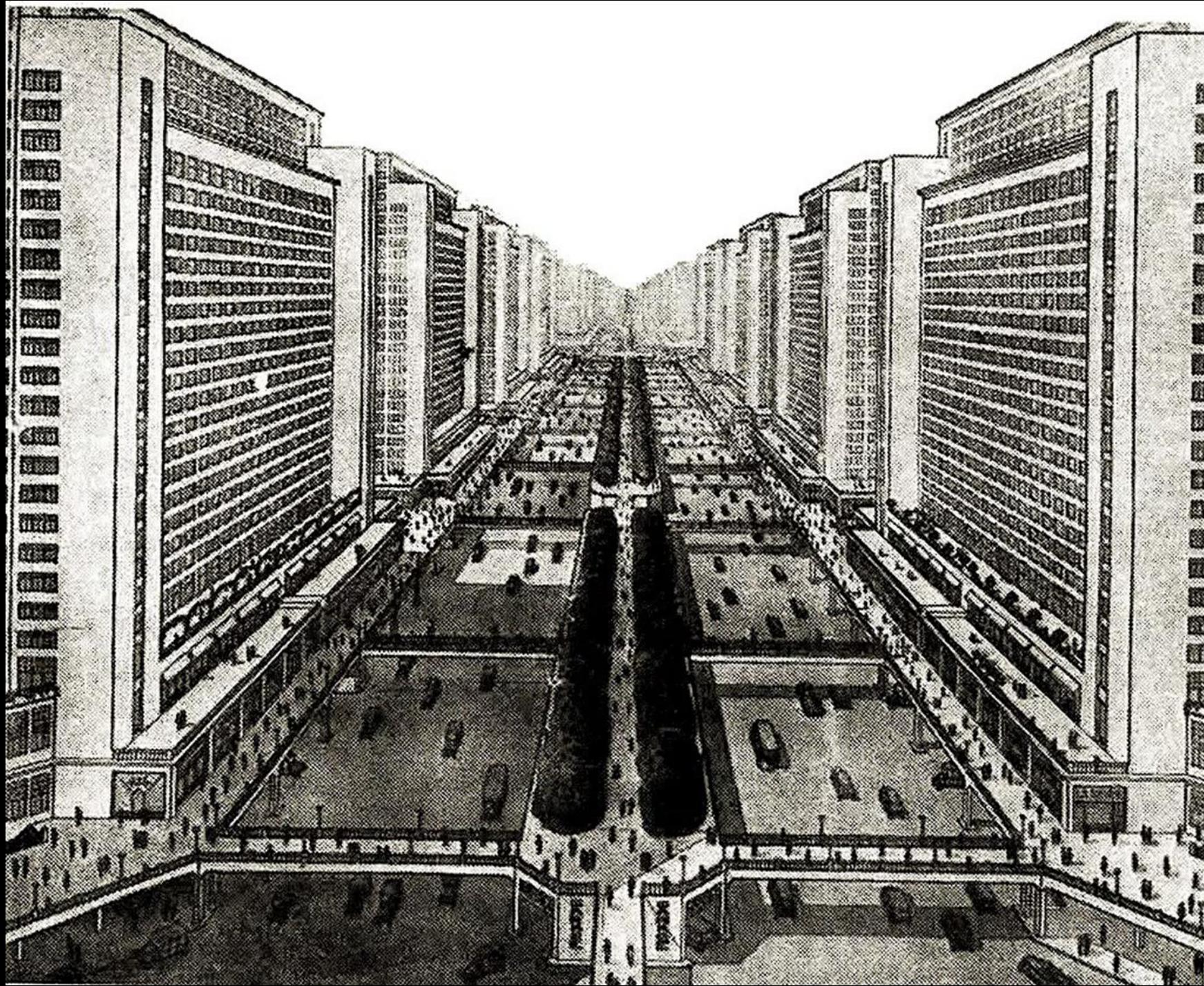


Health System - Pushing the envelope

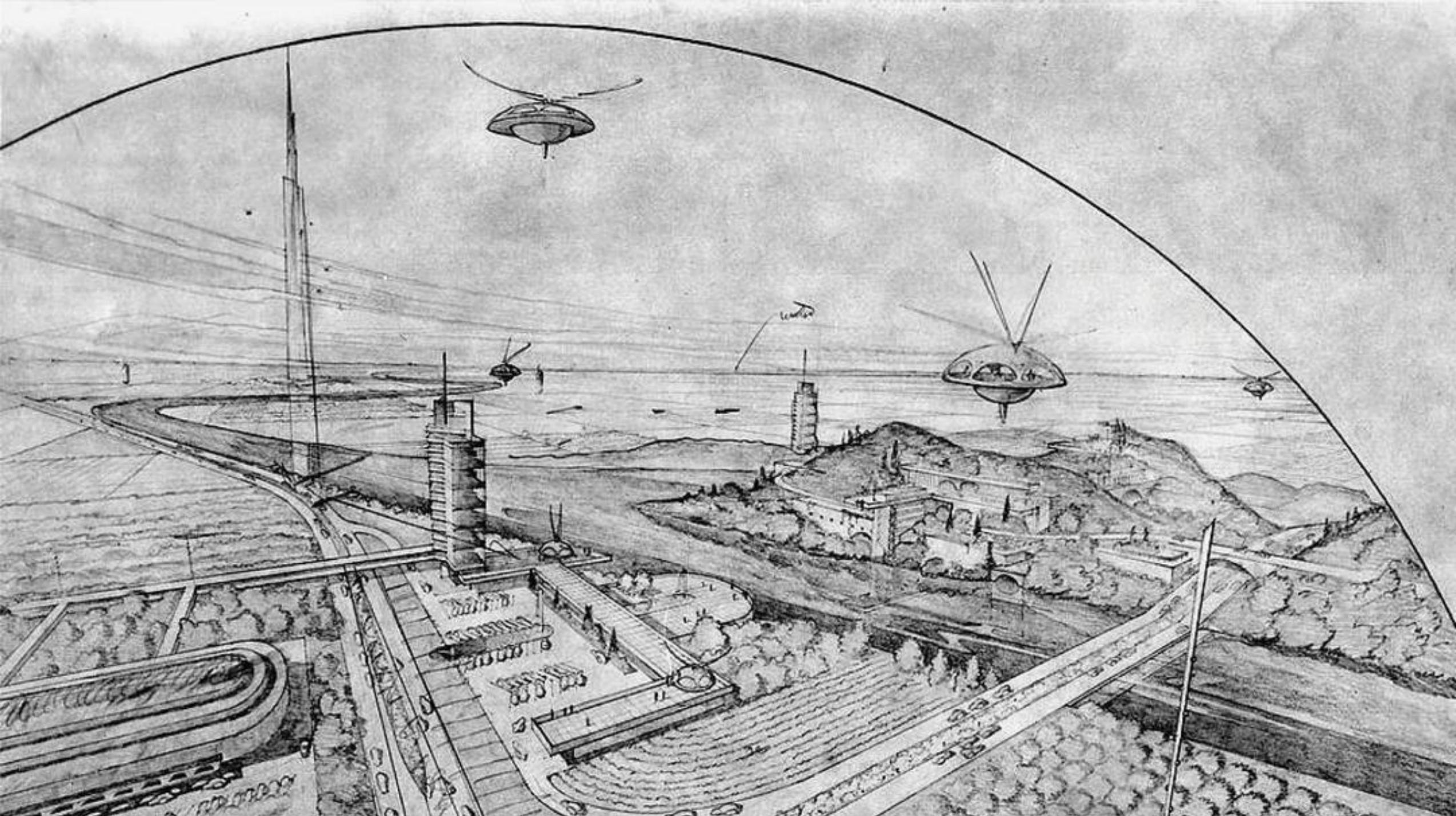


The





Ville Radieuse
Le Corbusier 1935



Reproduced from the pages of "Punch" Christmas Number, 1920.

Yesterday



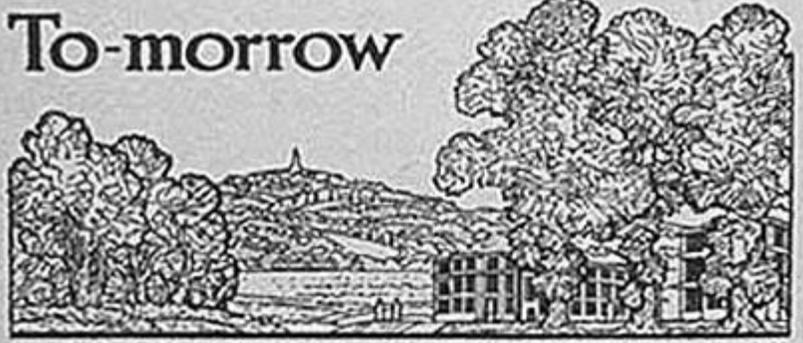
Living and Working in the Smoke

To-day

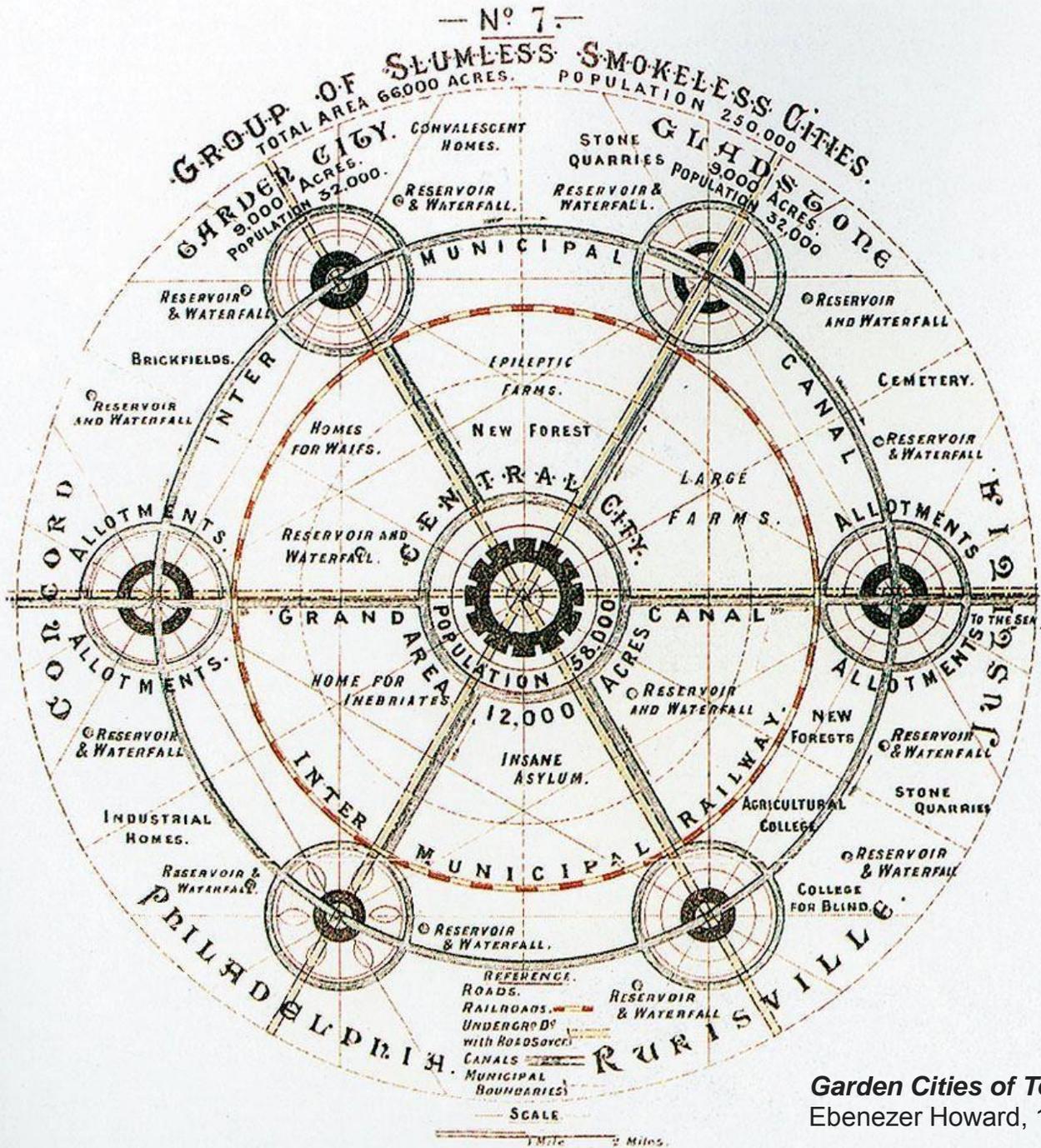


Living in the Suburbs - Working in the Smoke

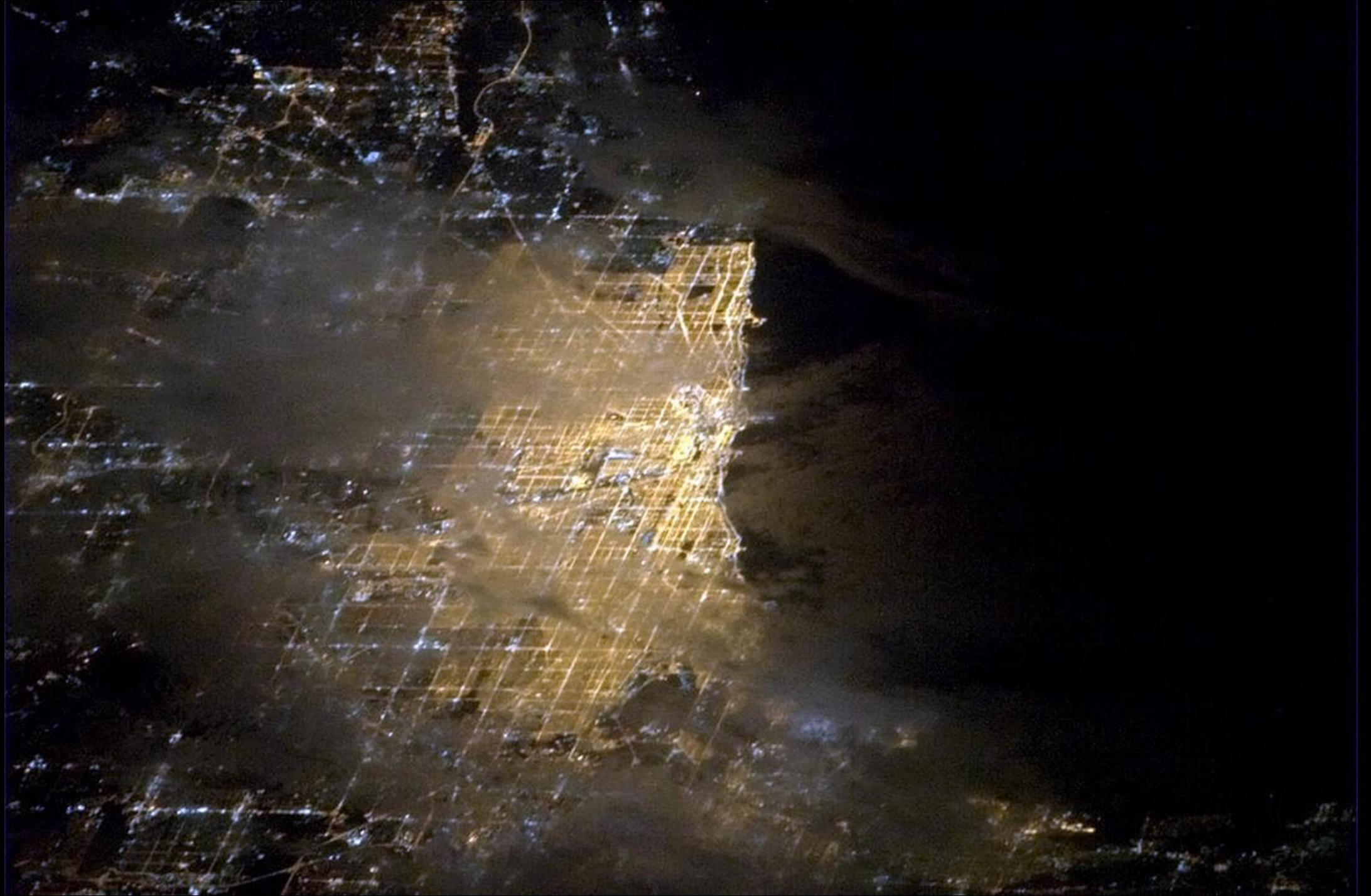
To-morrow

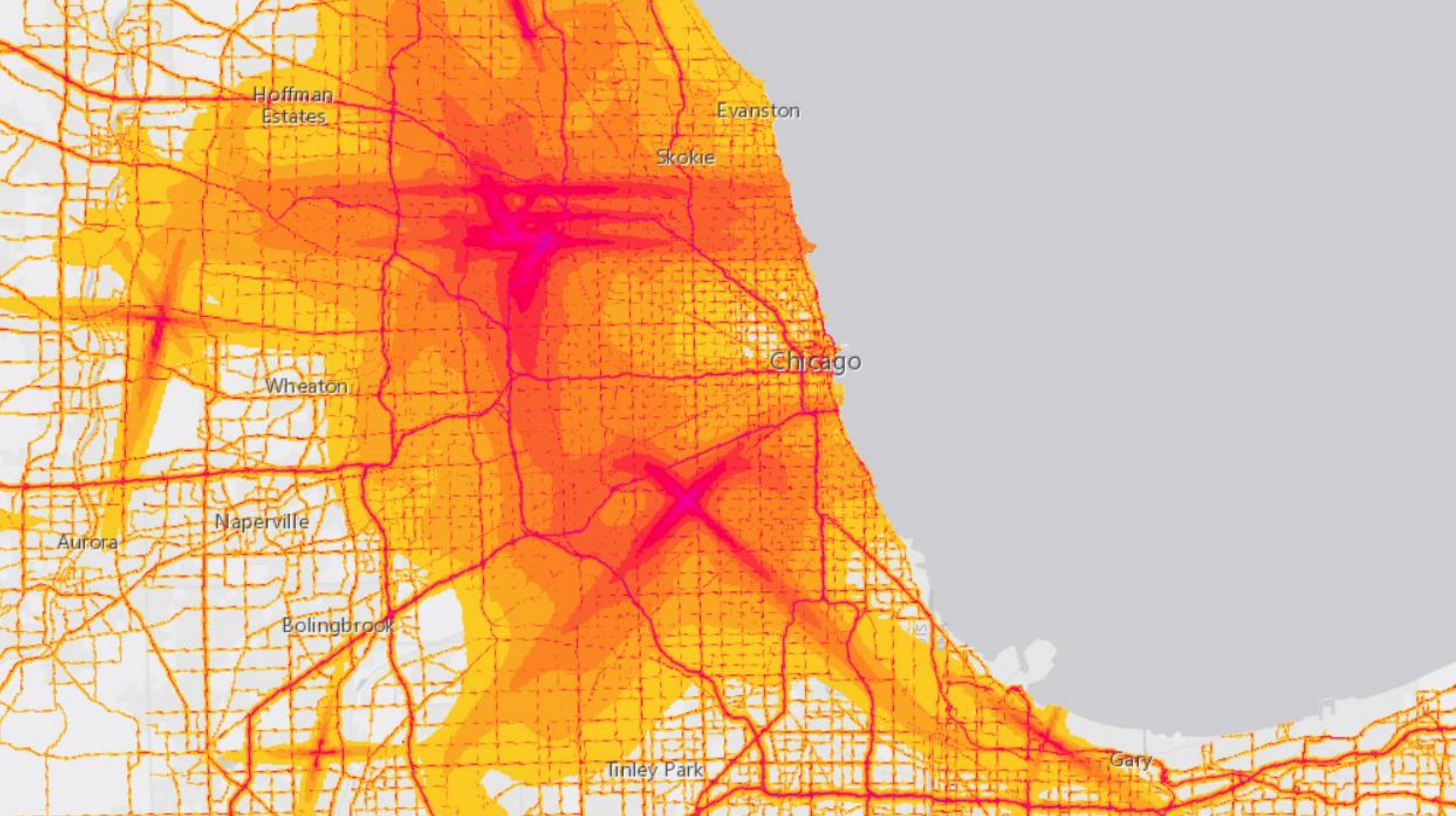


Living & Working in the Sun at WELWYN GARDEN CITY



Garden Cities of To-morrow
Ebenezer Howard, 1902





Hoffman
Estates

Evanston

Skokie

Chicago

Wheaton

Naperville

Aurora

Bolingbrook

Tinley Park

Gary



RIGHT 3/4 MILE

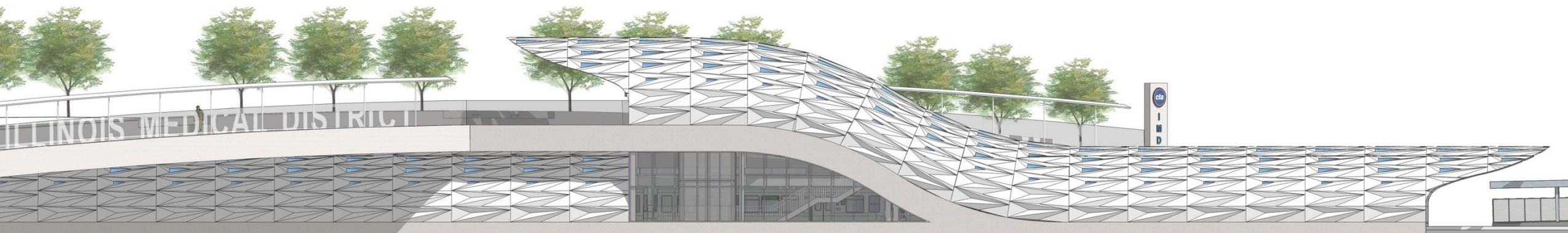
DRAXLER

15
2903

1588712

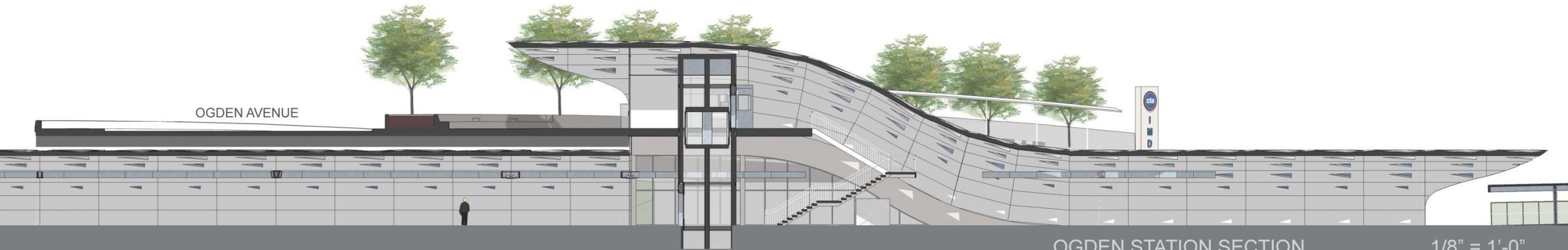
OGDEN STATION PLATFORM PLAN

1/8" = 1'-0" 



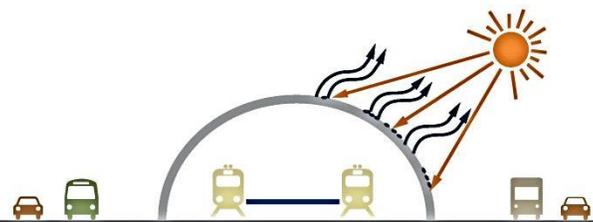
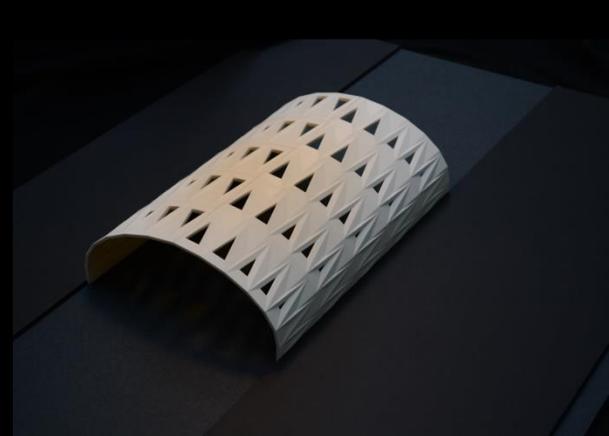
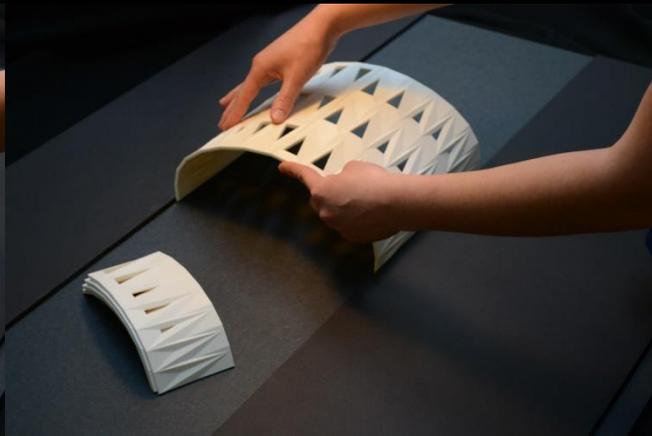
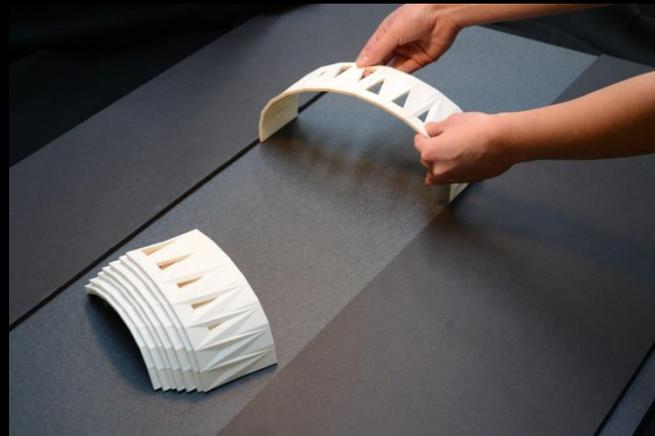
OGDEN STATION SOUTH ELEVATION

1/8" = 1'-0"

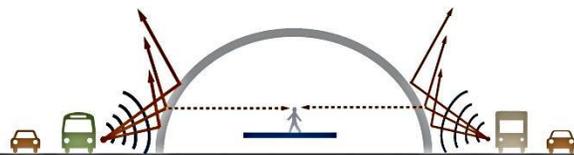


OGDEN STATION SECTION

1/8" = 1'-0"



SELF-CLEANING MATERIAL



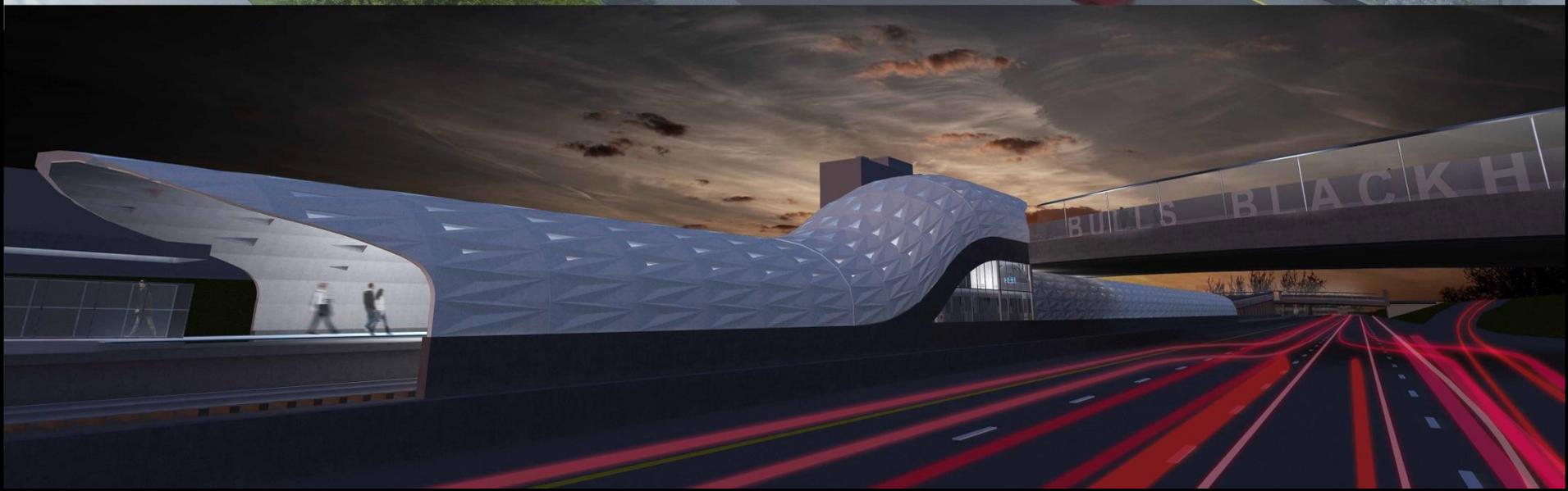
ACOUSTIC IMPROVEMENT



WEATHER & DAYLIGHTING

← Forest Park Board here O'Hare 







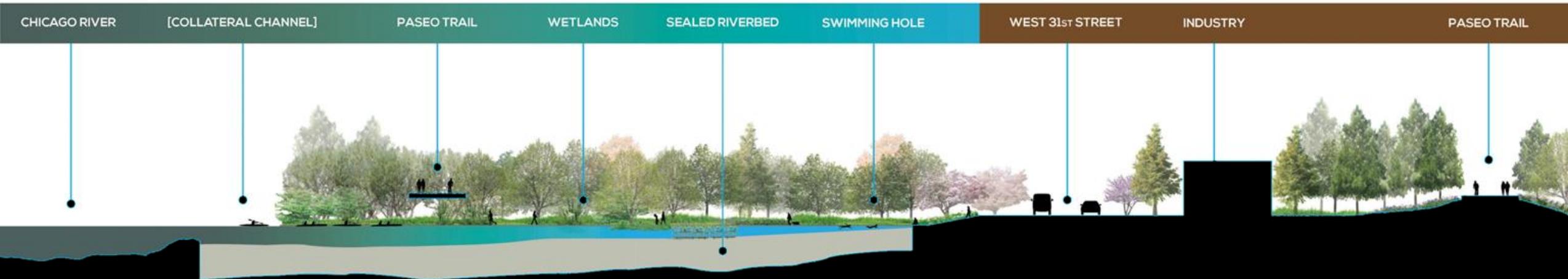
Collateral Channel at CN Railway



BEFORE



AFTER



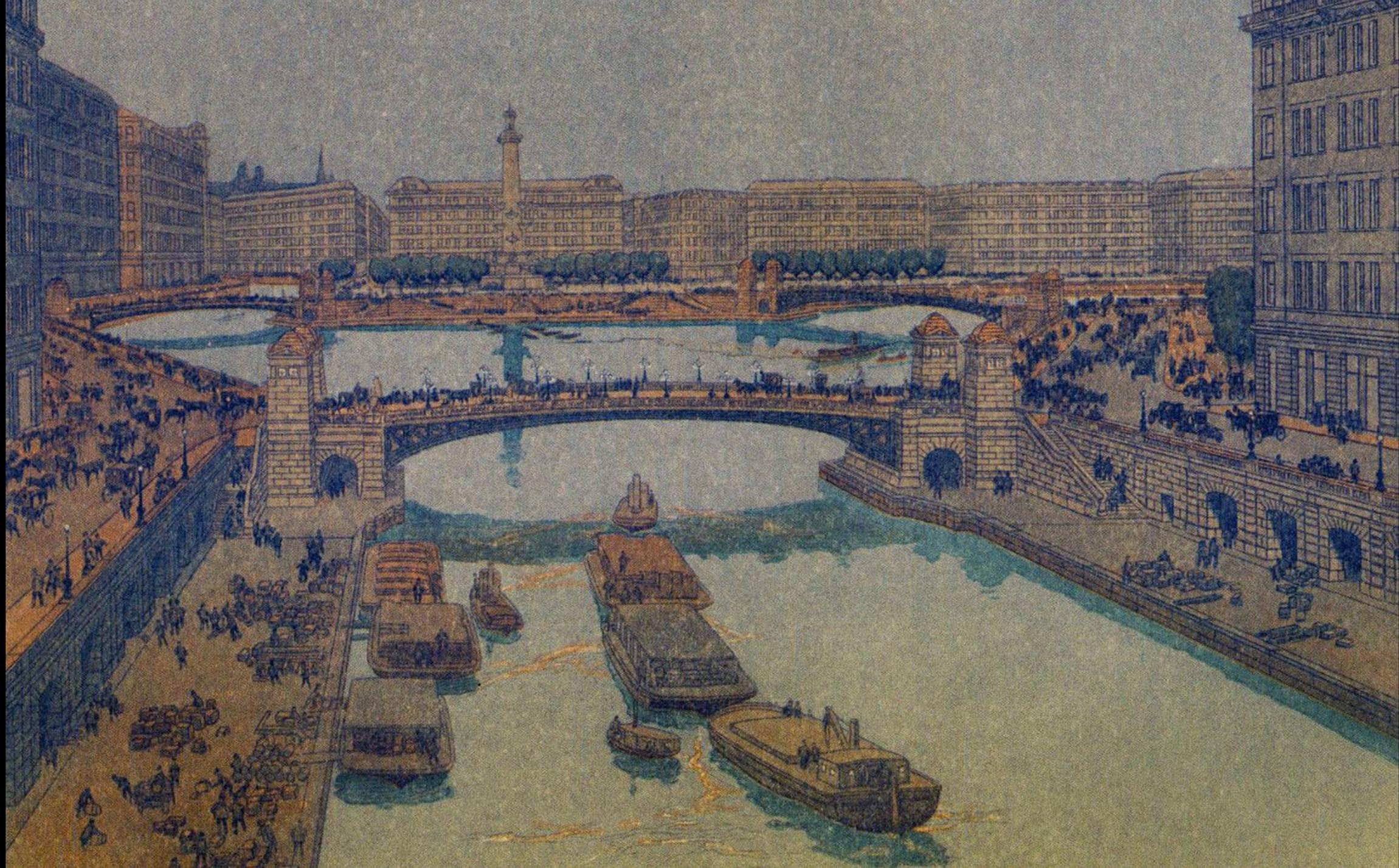




CHICAGO IN 1820.

ENTHOUSIASTICALLY RECEIVED BY THE SENATE OF THE UNITED STATES IN THE SENATE OFFICE OF U.S. SENATOR JOHN W. CALHOUN FOR THE DISTRICT OF SOUTH CAROLINA







A man stands on crusted sewage in Bubbly Creek at West 39th and South Morgan Streets in the Bridgeport neighborhood, circa April 1911

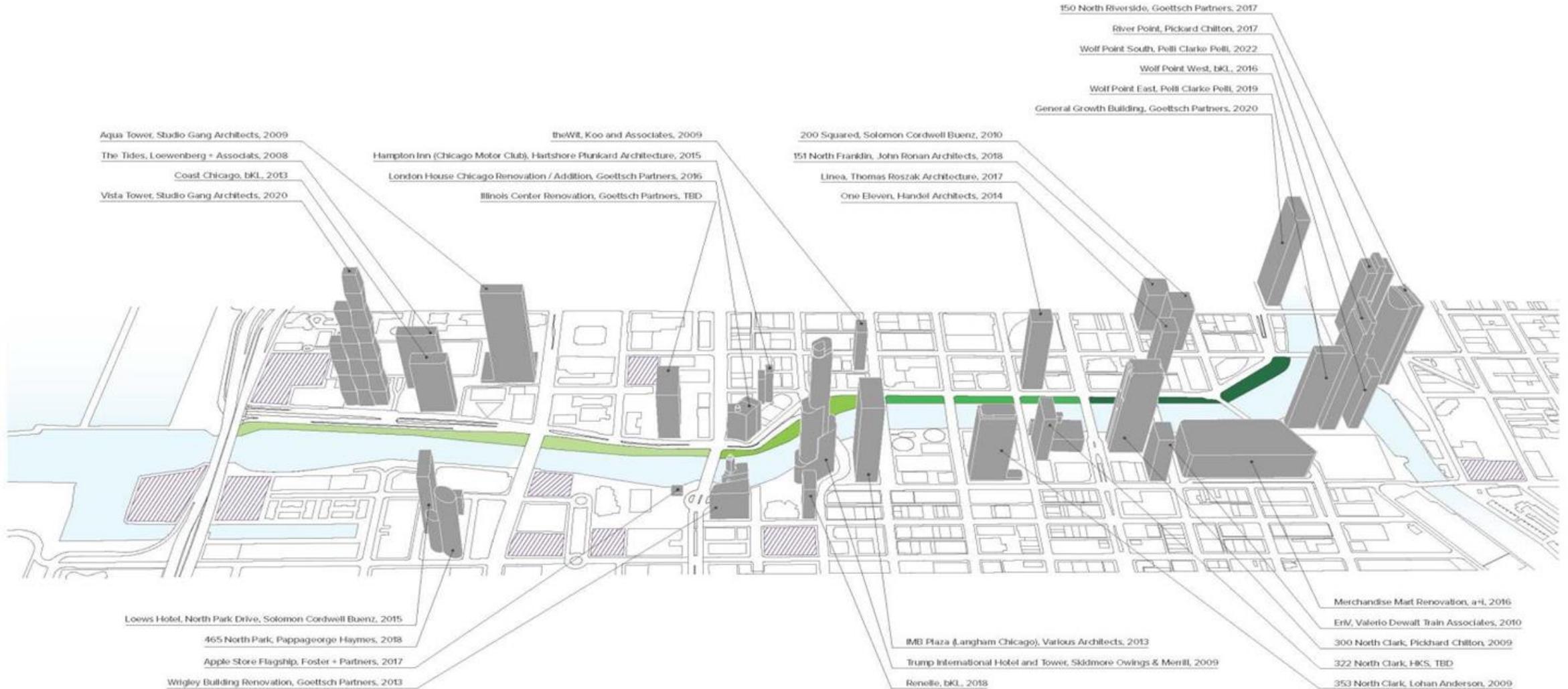




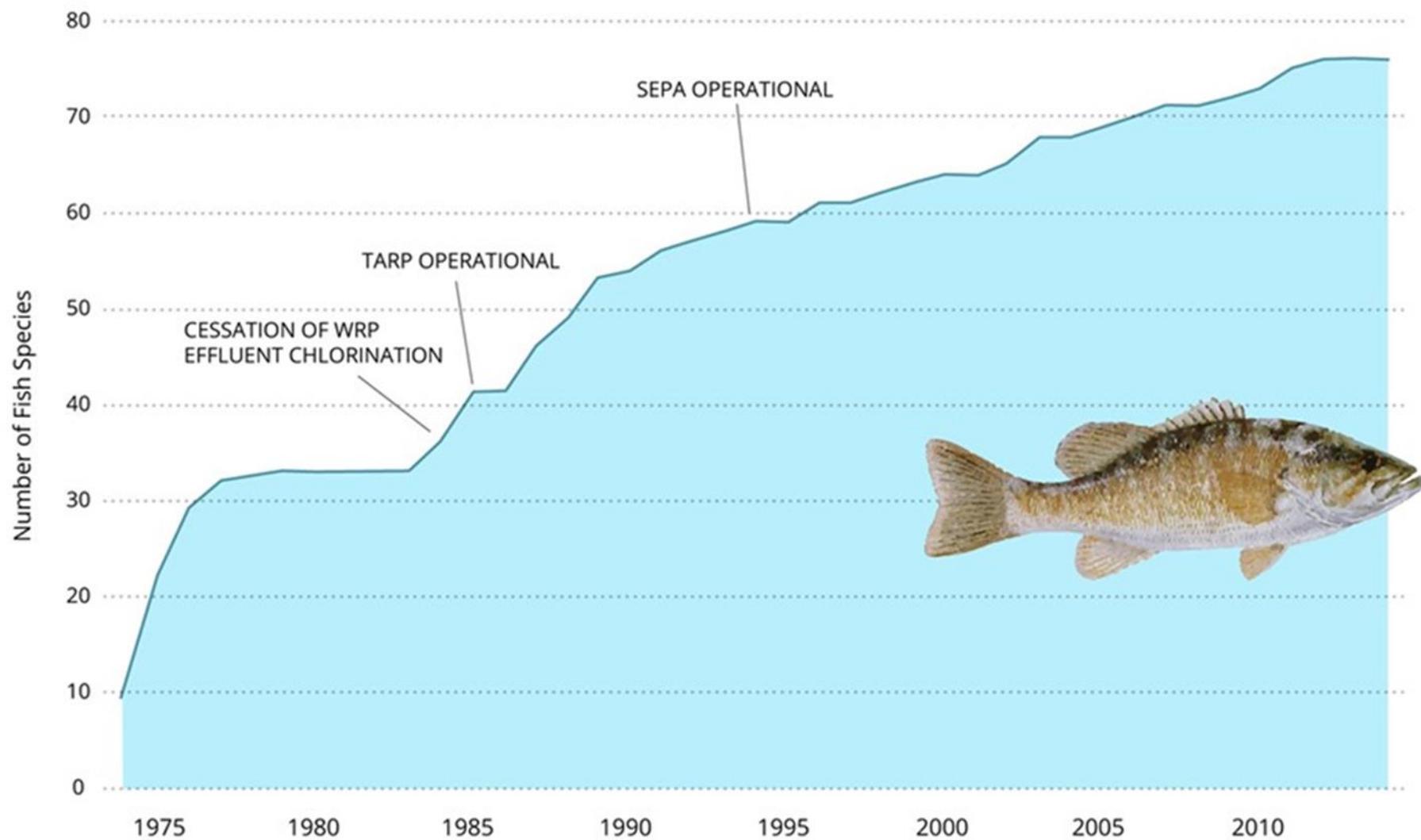


Development along the Chicago river since 2008

- North
- Existing
- Future Development Sites
- Phase 01, 2006 & 2009
- Phase 02, 2016
- Phase 02, 2016



Cumulative Number of Fish Species Collected from the Chicago Area Waterway System Between 1974 and 2014



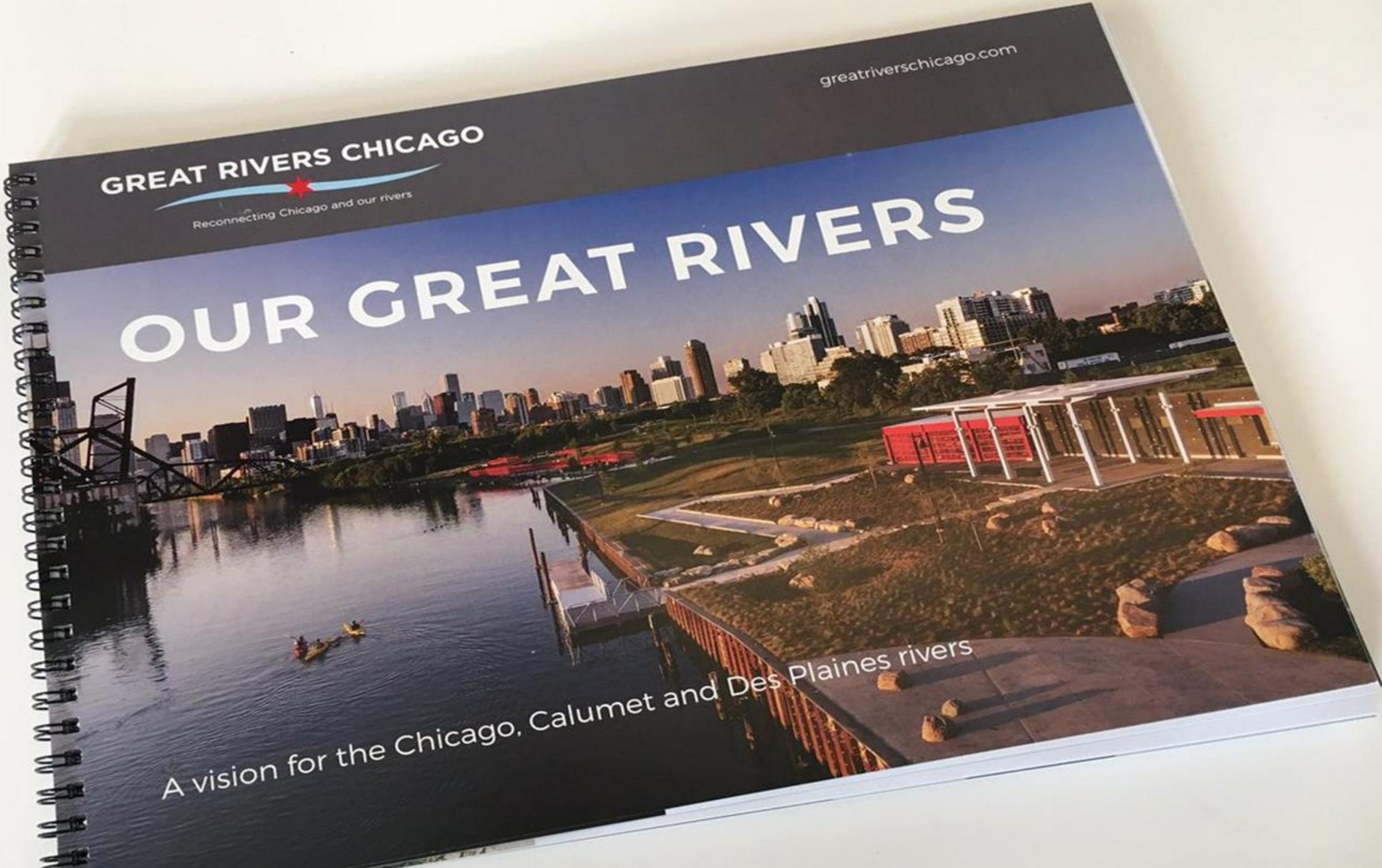
greatriverschicago.com

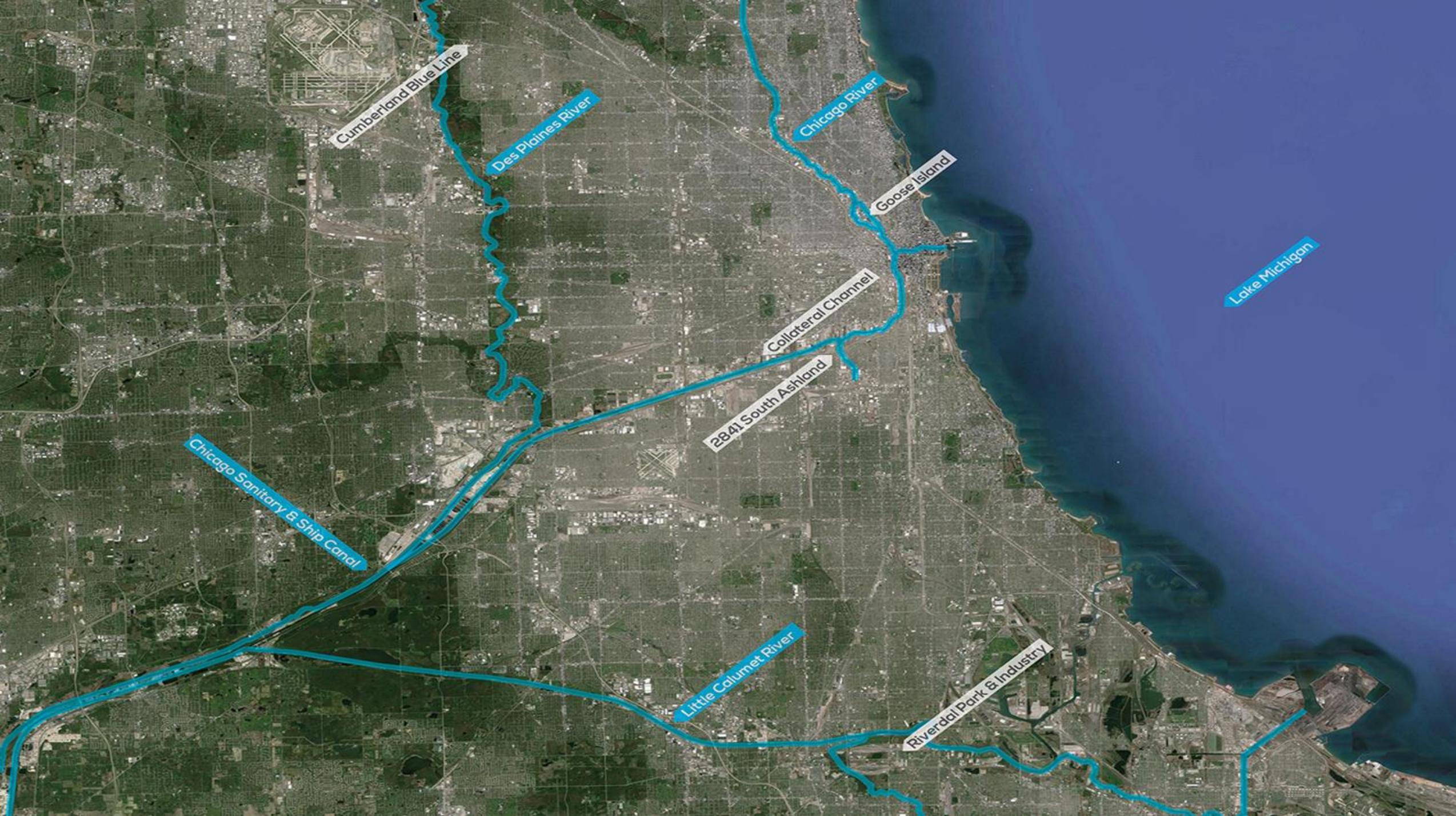
GREAT RIVERS CHICAGO

Reconnecting Chicago and our rivers

OUR GREAT RIVERS

A vision for the Chicago, Calumet and Des Plaines rivers





Cumberland Blue Line

Des Plaines River

Chicago River

Goose Island

Lake Michigan

Collateral Channel

2841 South Ashland

Chicago Sanitary & Ship Canal

Little Calumet River

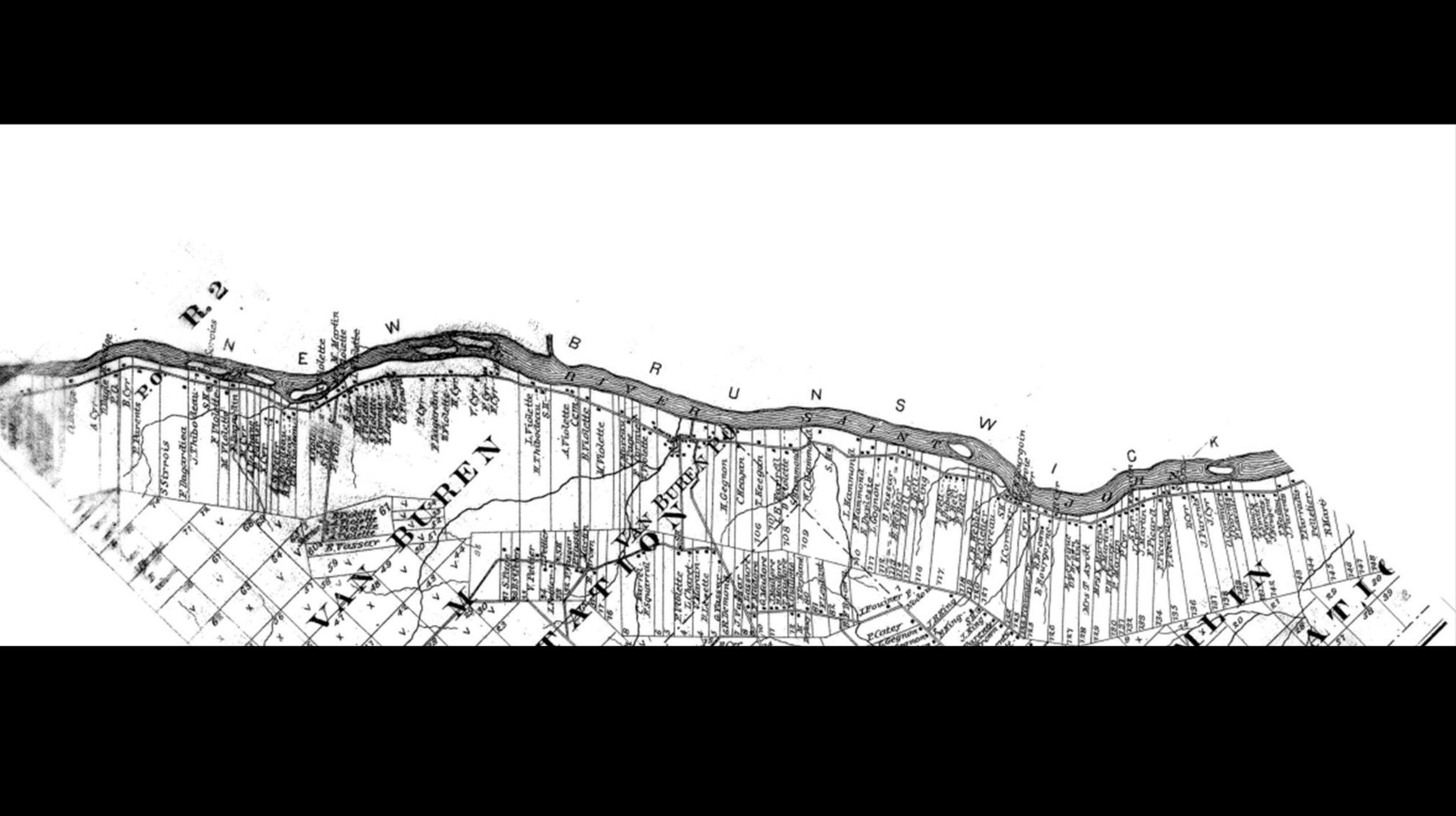
Riverdale Park & Industry

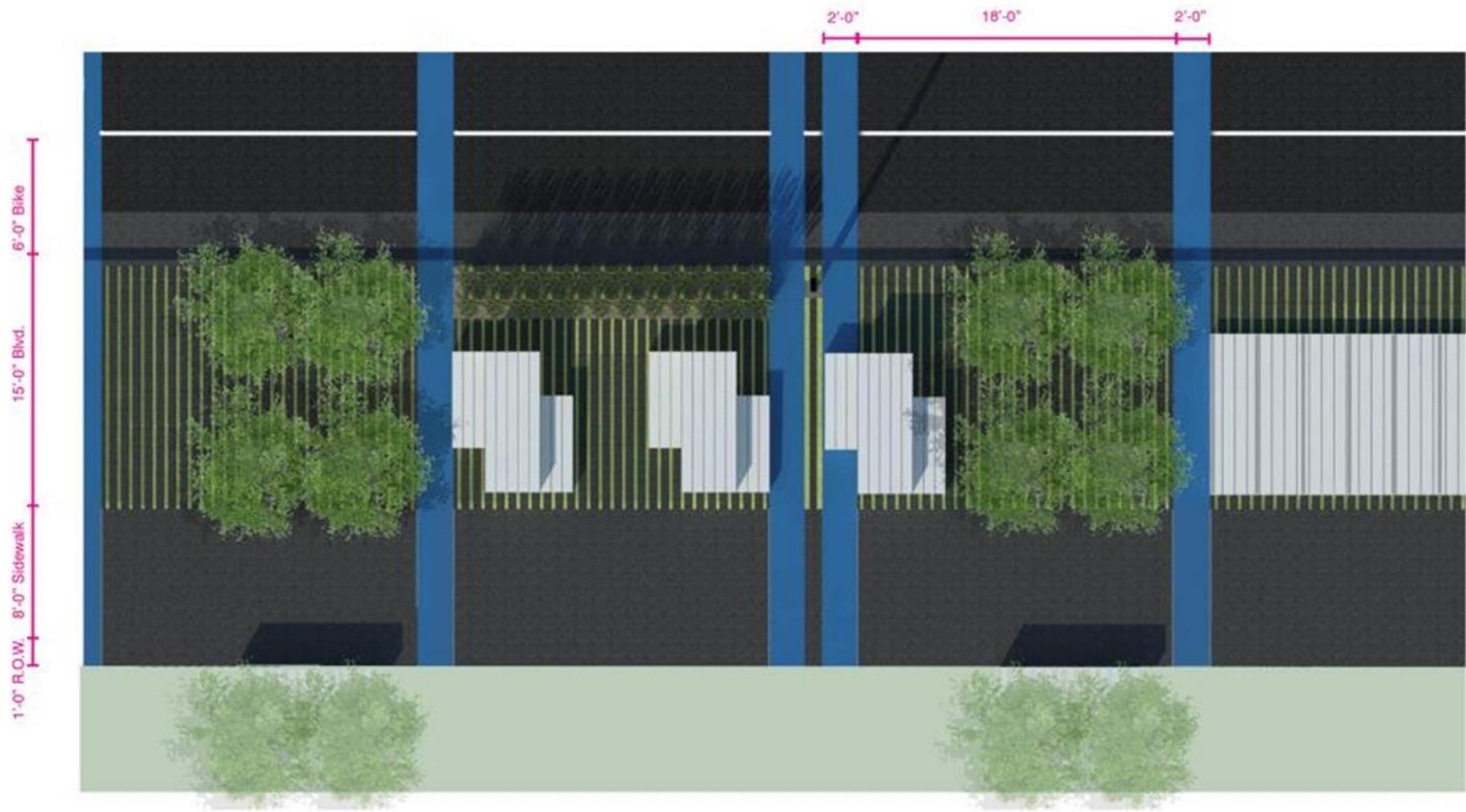




























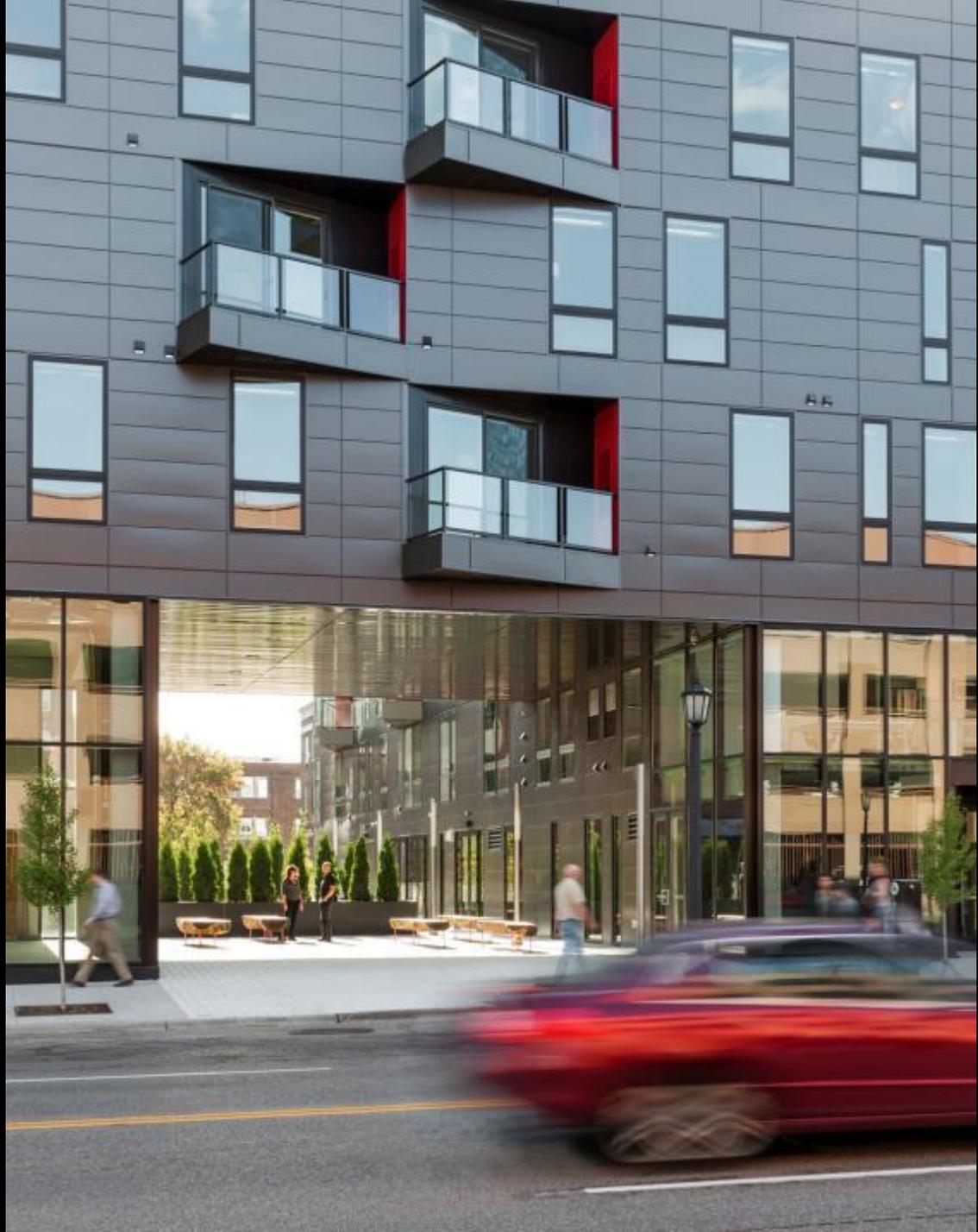


612 339 9898

915









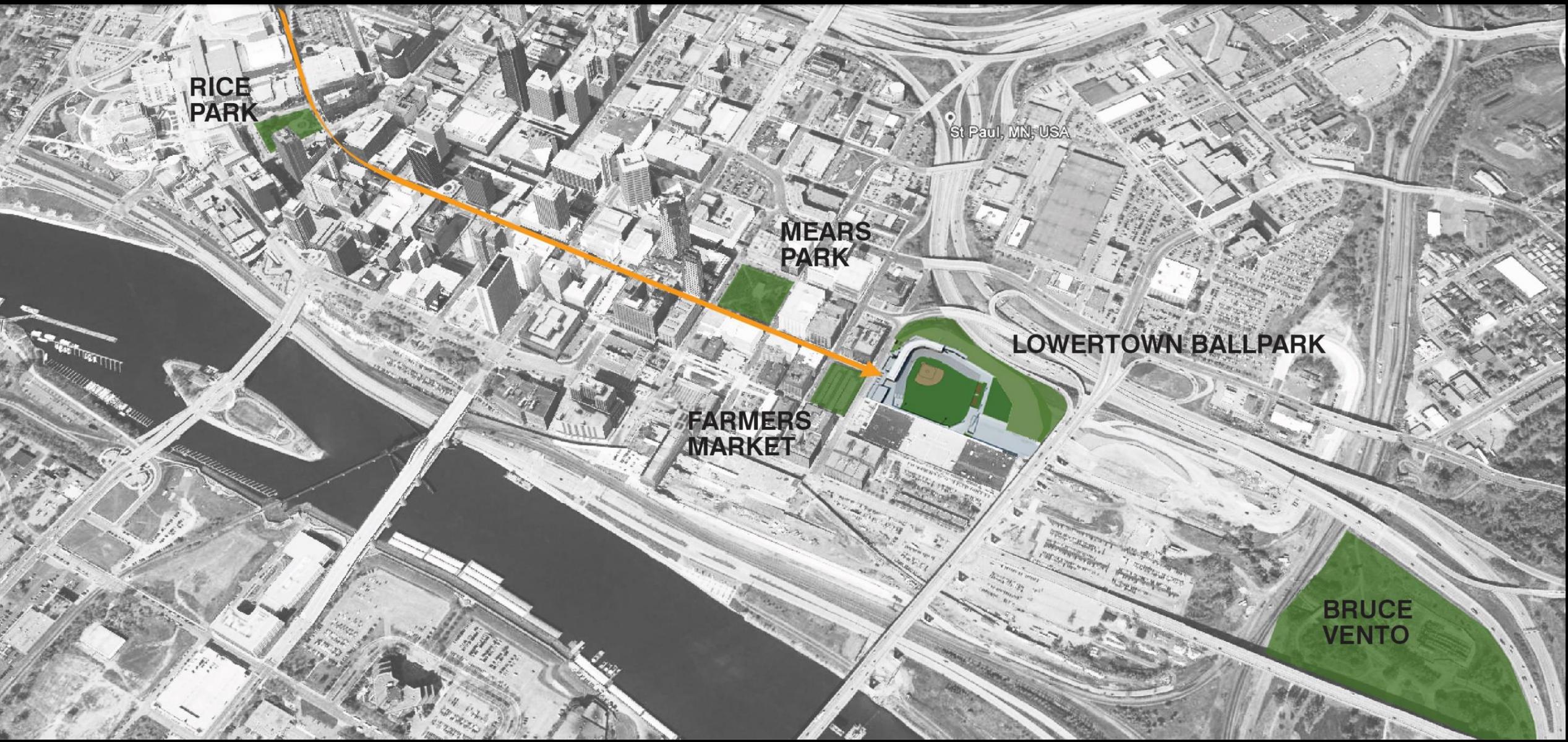












**RICE
PARK**

St Paul, MN, USA

**MEARS
PARK**

LOWERTOWN BALLPARK

**FARMERS
MARKET**

**BRUCE
VENTO**



WE RUN PORCH

Coca-Cola

WALSER

320

Free Cashiers
TICASINO.COM

SECURIAN

GALLERY GR

Coca-Cola











CHS
CHS FIELD

SECURIAN

NO
TERRACE

SANDWICH LE

32

WIGERS

SOX

SOX

SOX

SOX

SOX



Communities are groups of people: neighbors, friends, co-workers, children, parents, grandparents, teachers, nurses, police, entrepreneurs, professionals, students...



Downtown Jackson, MS – photograph by Keith Isaacs Photo, LLC for AIA's Blueprint for Better

When communities fail, they must be rebuilt from the inside.



Midtown Jackson, MS – photograph by Keith Isaacs Photo, LLC for AIA's Blueprint for Better



Duvall Decker Office – photograph by Timothy Hursley



James H. White Library Renovation at Mississippi Valley State University – Duvall Decker – photograph by Timothy Hursley



Dumas Hall Renovation at Alcorn State University – Duvall Decker – photograph by Timothy Hursley



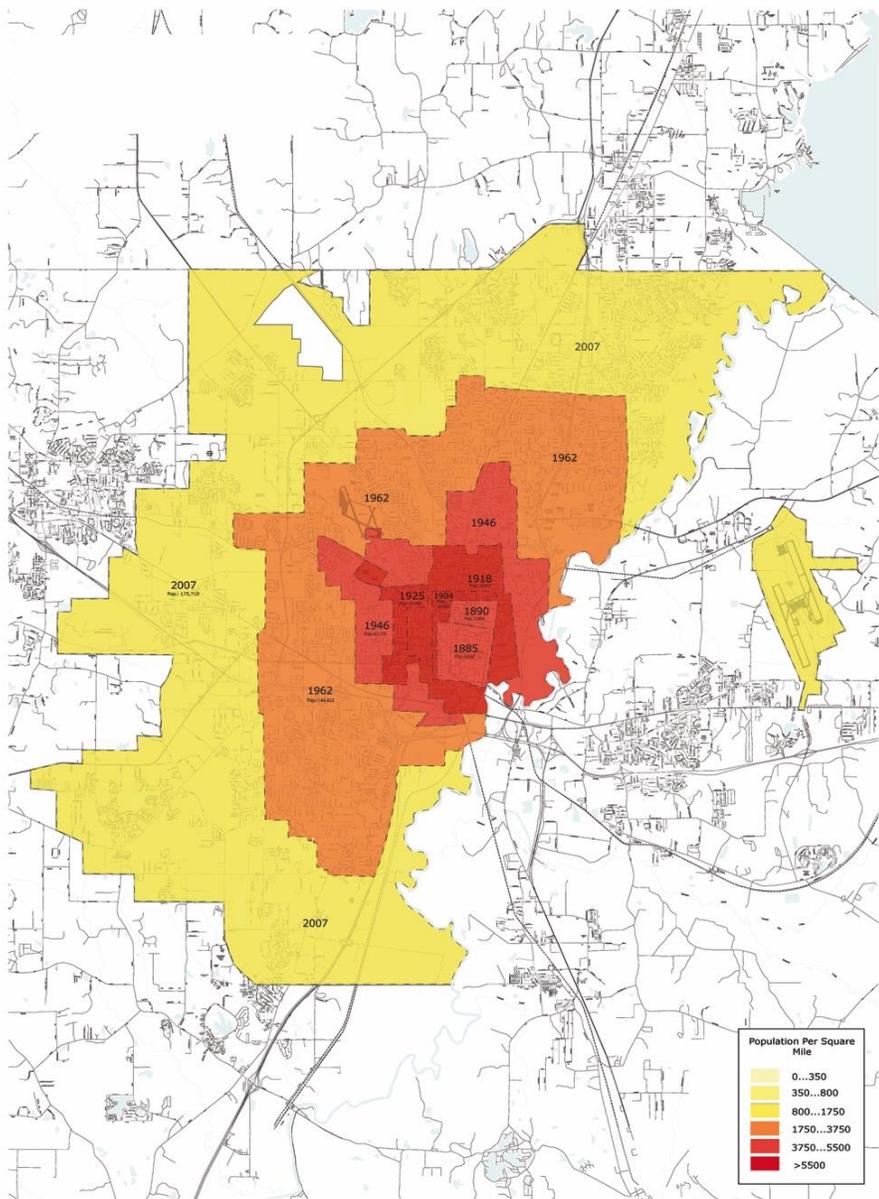
Coahoma County Higher Education Center, Clarksdale, MS – Duvall Decker – photograph by James Patterson

MISSISSIPPI CENTER FOR JUSTICE





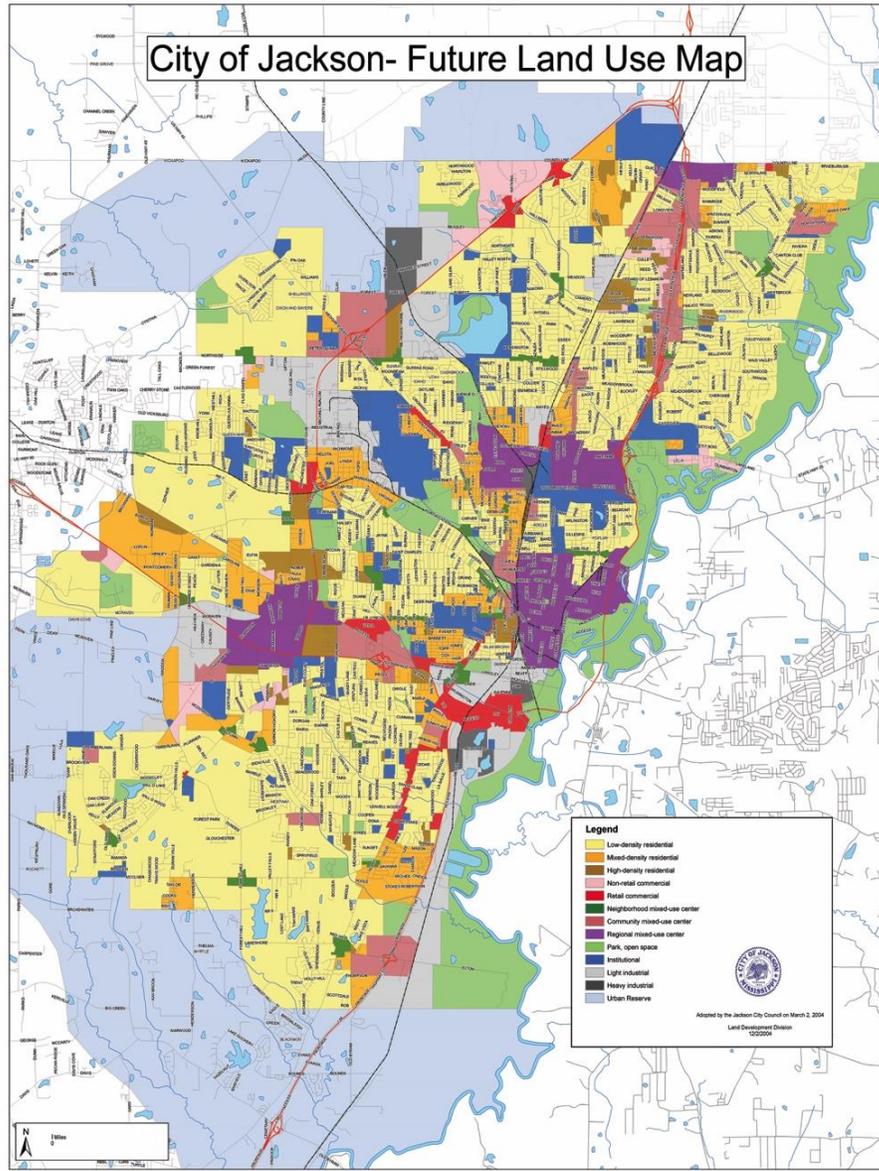
Mississippi Library Commission Headquarters – Duvall Decker with Burris/Wagon – photograph by Timothy Hursley



JACKSON GROWTH
2007 POPULATION: 175,710

NORTH MIDTOWN
JACKSON, MS

MASTER PLANNING
DUVALL DECKER ARCHITECTS, P.A.
MARCH 22, 2009



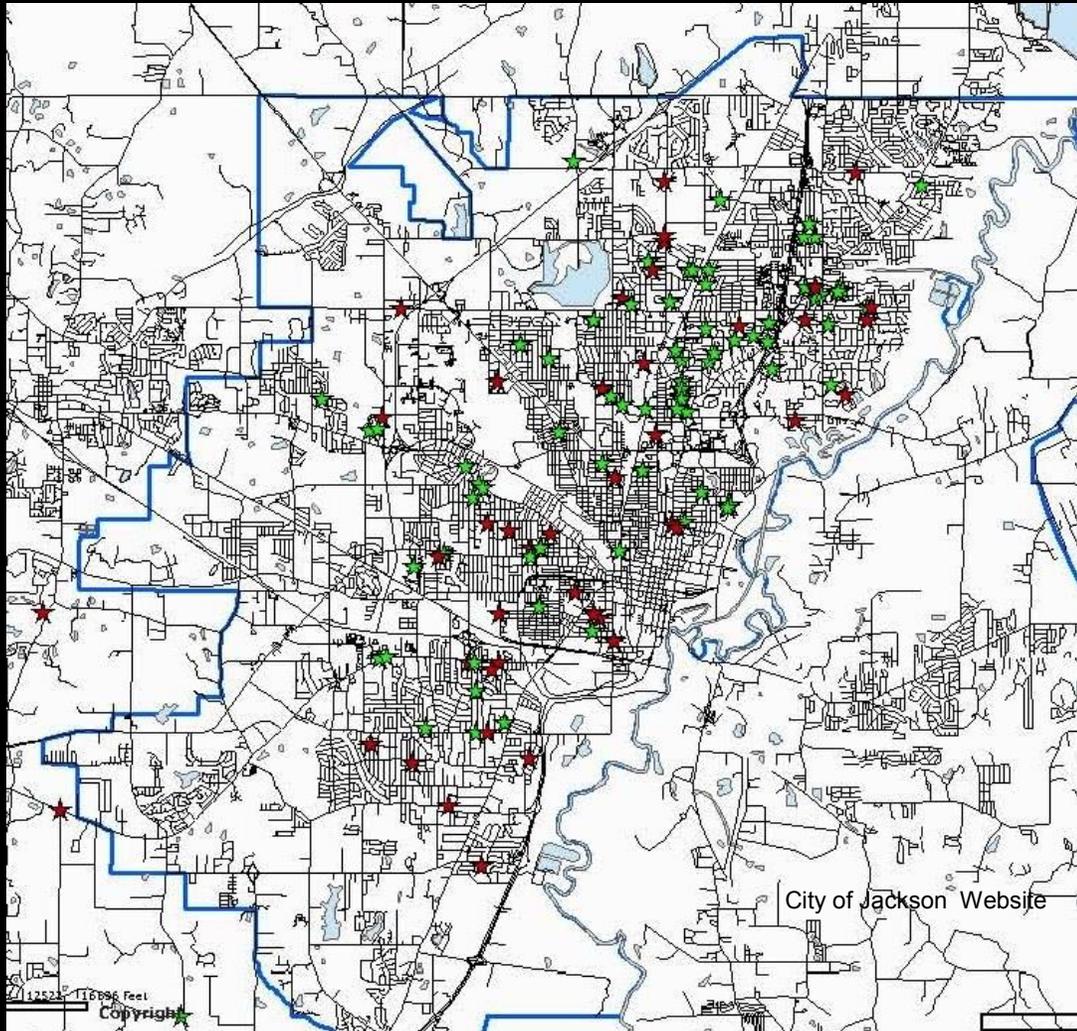
FUTURE LAND USE

NORTH MIDTOWN
JACKSON, MS

MASTER PLANNING
DUVALL DECKER ARCHITECTS, P.A.
MARCH 22, 2009

Jackson, Mississippi Water Main Breaks, January 2010

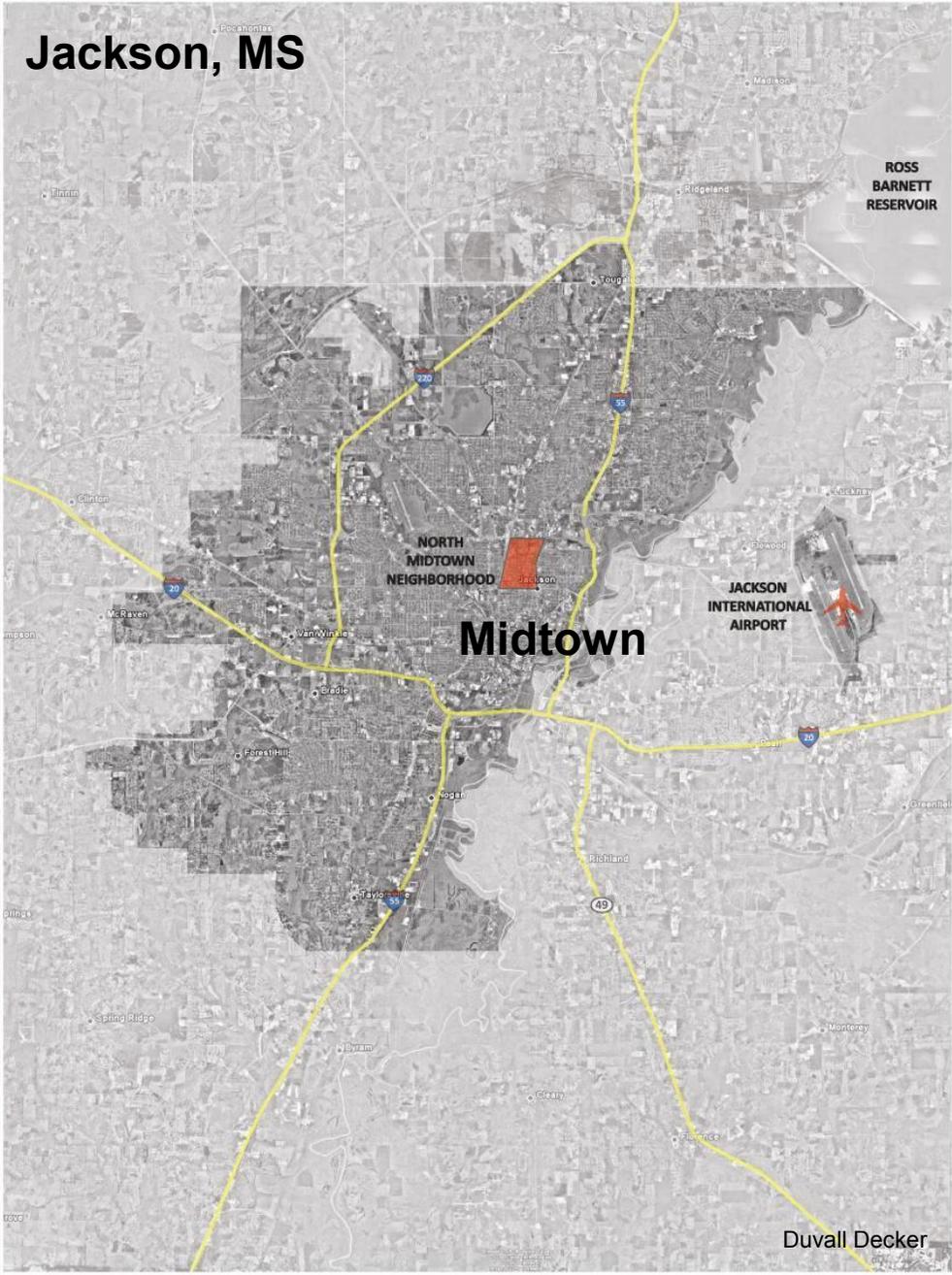
\$200 to \$400 Million Dollars to Repair the Water Sewer System





Jackson Housing Authority Commercial Building Renovation, Midtown Jackson, MS – Duvall Decker – photograph by Mark Howell

Jackson, MS



Duval Decker



RESEARCH

Defining the needs;
Obtaining data on
past,
Present and future
conditions



ANALYZE

Understanding the
Implications of
current
Conditions
and how they
interrelate;
Identifying
assets,
opportunities and
liabilities

PLAN

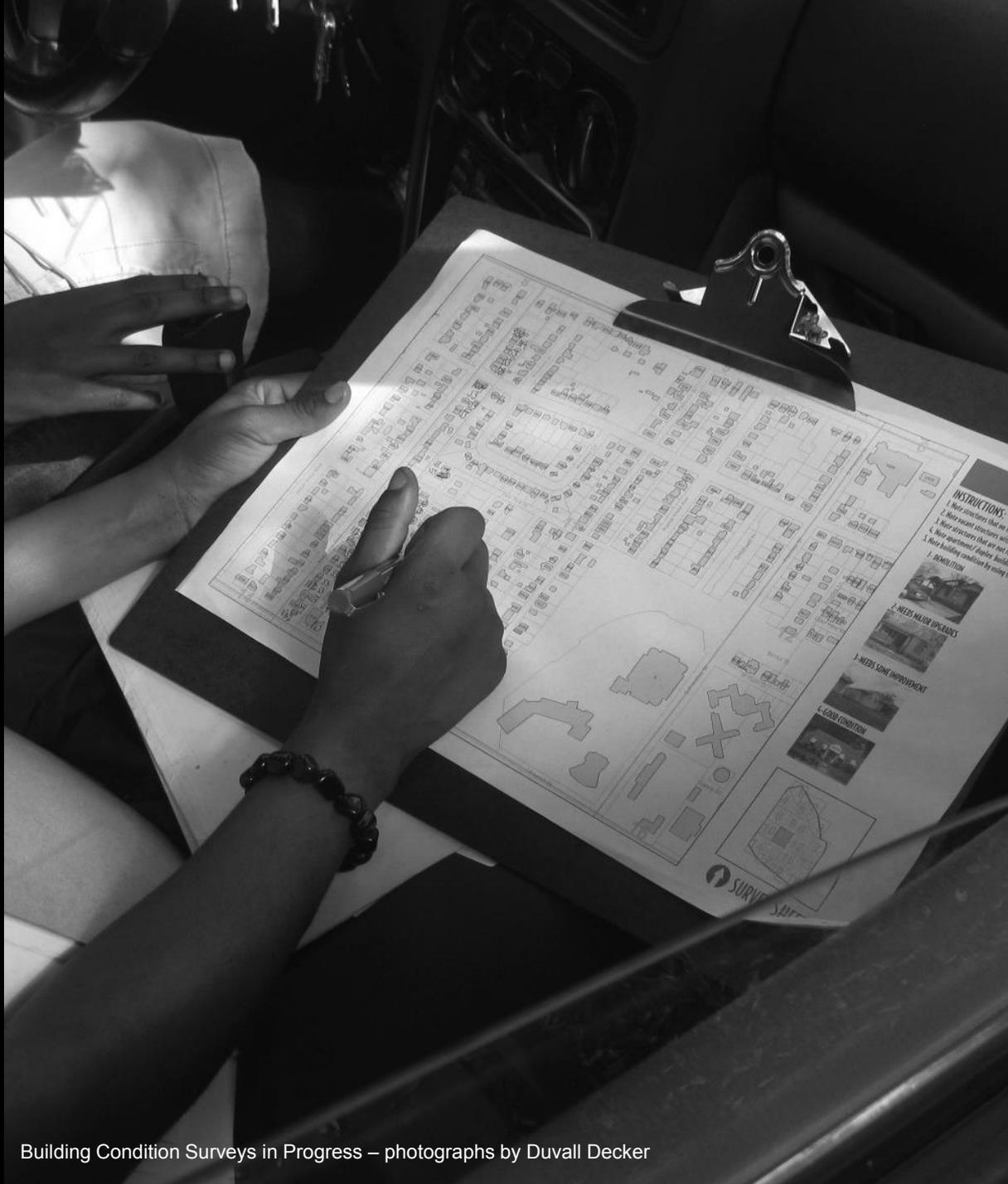
Identifying,
developing
and refining
best
practices and
resources for
improvement

IMPLEMENT

Community uses
the guidebook as a
means to enhance
their communities
and implements
initiatives

GUIDEBOOK

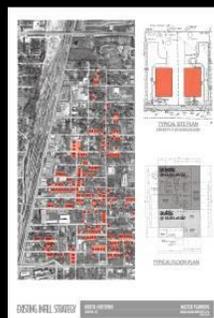
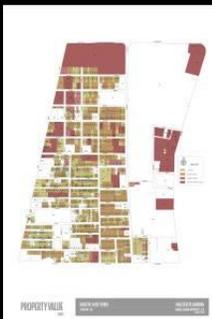
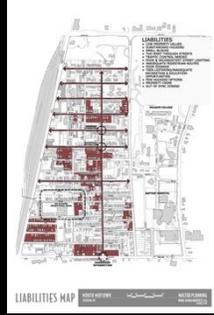
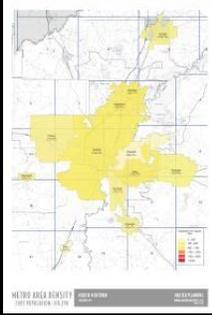




Building Condition Surveys in Progress – photographs by Duvall Decker



Community Meeting in Process – photograph by Duvall Decker



community
input

community
input

community
input

community
input



professional output

RESULTS TARGET
OPPOSITE EMPLOYMENT & ENTREPRENEURIAL OPPORTUNITIES

INDUSTRIAL RE-BOOST THE ECONOMY

PROVIDE HEALTHY LIVING PRACTICES

IMPROVE OVERALL LIFE QUALITY

INVESTMENTS IN CAPITAL STREET

INVESTMENTS IN WEST JACKSON

INTERVENTIONS

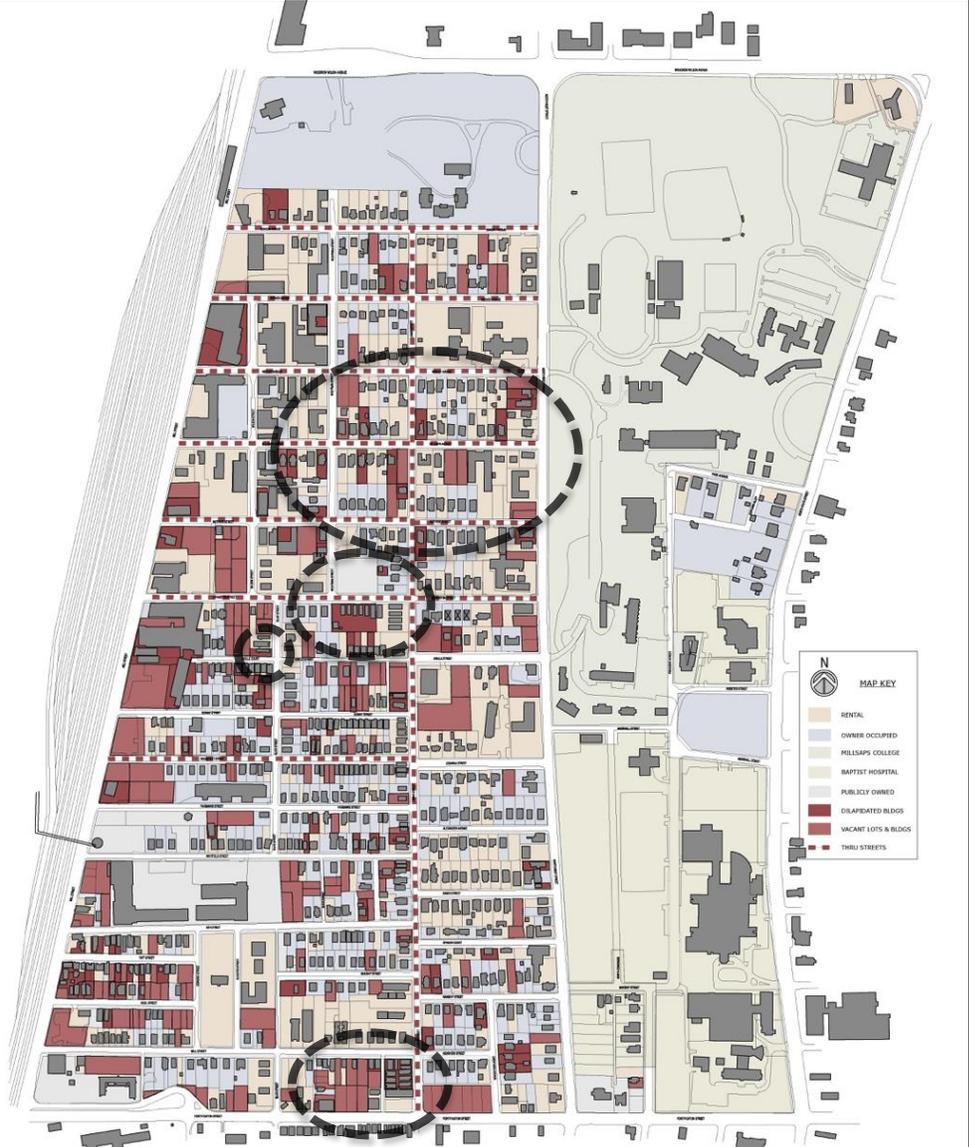
CAPITOL STREET CORRIDOR

THE DR. ROBERT SMITH PARKWAY

WASHINGTON ADDITION

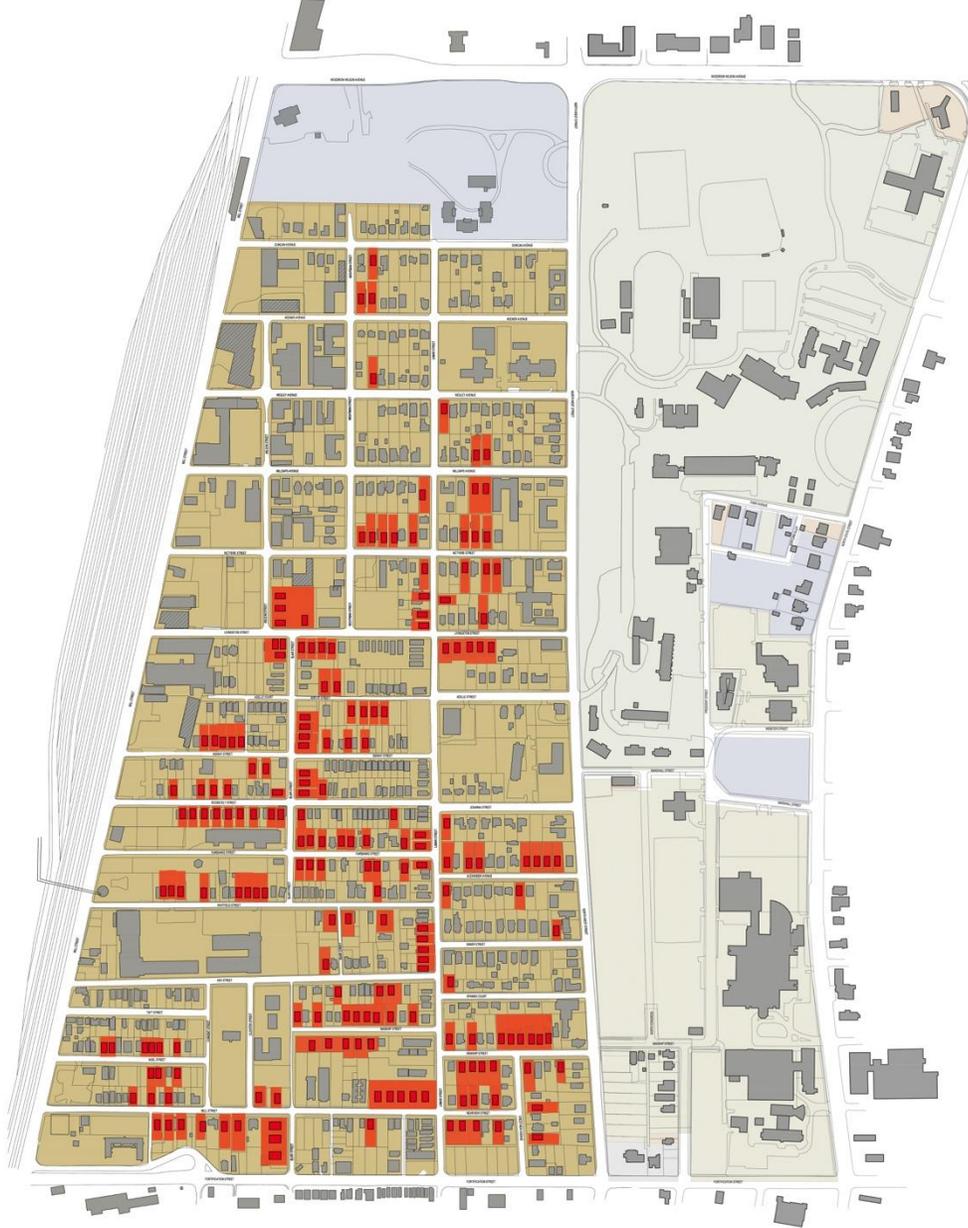
how it works

Lead with Affordable Housing/Remove Liabilities



Midtown Master Plan Liabilities & Intervention Sites – graphics, photographs by Duvall Decker

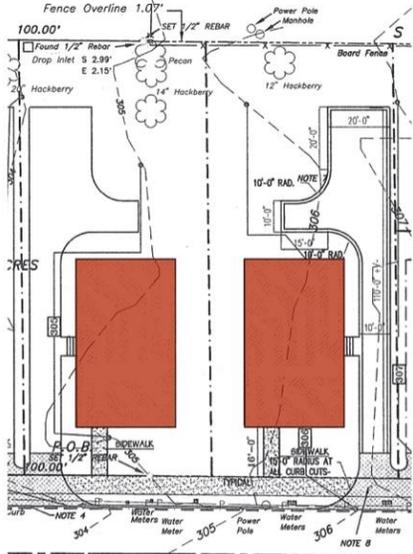




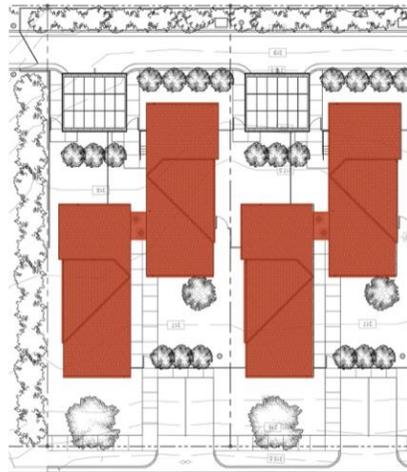
EXISTING INFILL STRATEGY

NORTH MIDTOWN
JACKSON, MS

MASTER PLANNING
DIPWALL BECKER ARCHITECTS, PA



TYPICAL SITE PLAN
DENSITY: 5 HOUSES/ACRE



PROPOSED SITE PLAN
DENSITY: 10 HOUSES/ACRE



TYPICAL FLOOR PLAN

private
@ 64% of GSF

public
@ 36% of GSF



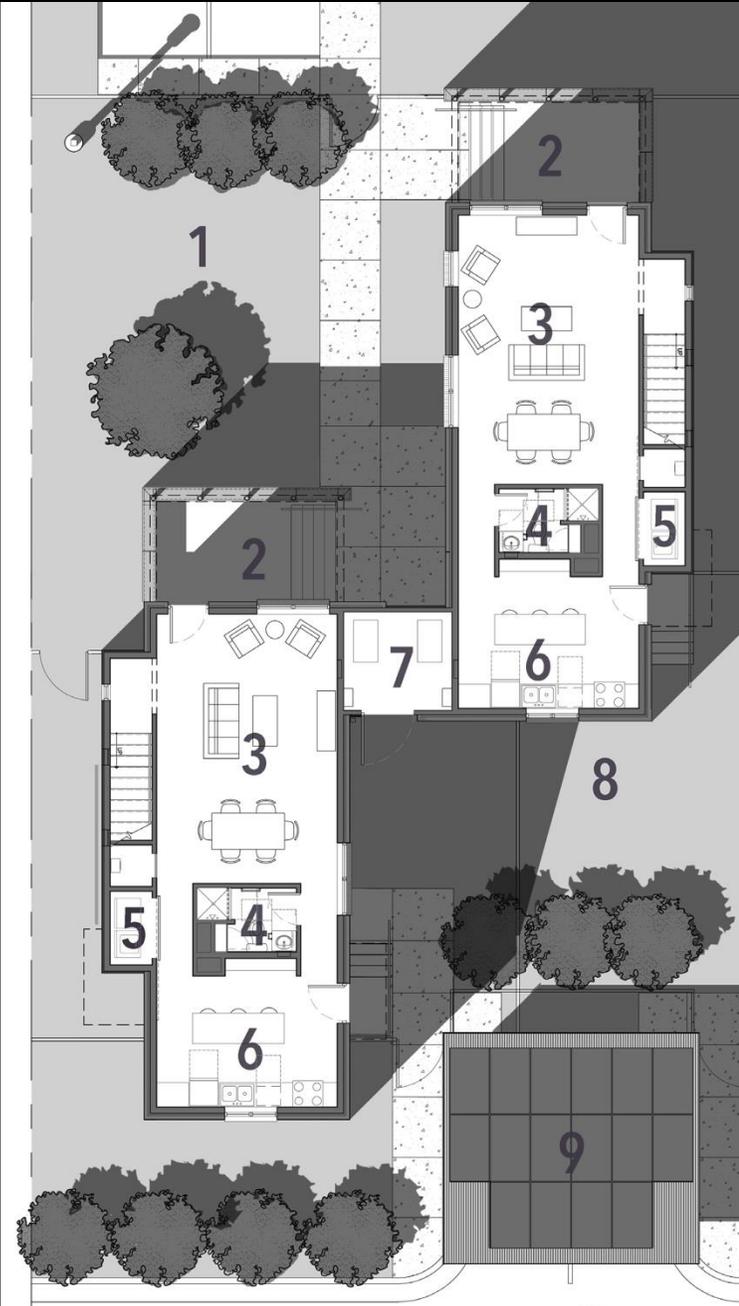
PROPOSED FLOOR PLAN

private
@ 43% of GSF

public
@ 57% of GSF



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Timothy Hursley



FIRST FLOOR

1. FRONTYARD
2. FRONT PORCH
3. LIVING/DINING
4. BATHROOM
5. LAUNDRY
6. KITCHEN
7. MECHANICAL
8. REAR YARD
9. CARPORT W/
SOLAR PANELS
10. BEDROOM
11. MASTER BEDROOM



SECOND FLOOR



TYPICAL SHARED WALL DUPLEX



SPLIT FOR AIR AND LIGHT



SHIFT FOR COMMUNITY SPACE AND SECURITY



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Mark Howell



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Mark Howell



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Mark Howell



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Mark Howell

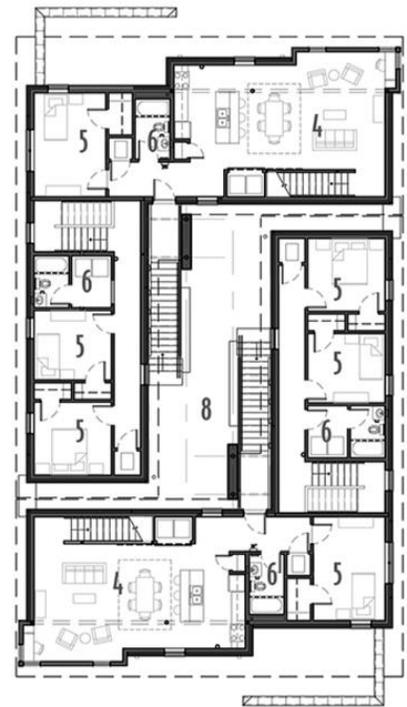


FIRST FLOOR SITE PLAN

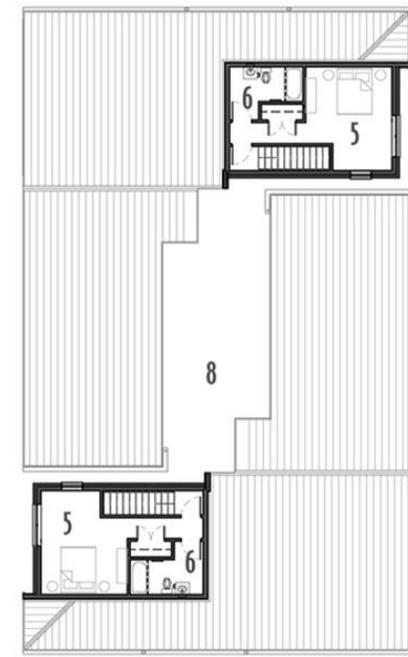


COURTYARD WALK UP FLOOR PLANS

- 1 ENTRY GATE
- 2 COURTYARD
- 3 PARKING
- 4 LIVING/DINING
- 5 BEDROOM
- 6 BATHROOM
- 7 MECHANICAL COURT
- 8 OPEN TO BELOW



SECOND FLOOR PLAN



THIRD FLOOR PLAN



Jackson Housing Authority Midtown Affordable Housing – Duvall Decker – photograph by Mark Howell



West Millsaps Affordable Housing – Duvall Decker – photograph by Keith Isaacs Photo, LLC



photograph by Keith Isaacs Photo, LLC



West Millsaps Affordable Housing – Duvall Decker – photograph by Barrett Photography



Jackson Housing Authority Commercial Building Renovation – Duvall Decker – photographs by Keith Isaacs Photo, LLC and Duvall Decker (pre-renovation)



photograph by Keith Isaacs Photo, LLC for AIA's Blueprint for Better



Jackson Housing Authority Commercial Building Renovation – Duvall Decker – photograph by Keith Isaacs Photo, LLC



Jackson Housing Authority Commercial Building Renovation – Duvall Decker –
photograph by Keith Isaacs Photo, LLC



Jackson Housing Authority Commercial Building Renovation – Duvall Decker – photograph by Mark Howell

ACCOMPLISHMENTS RESULTING FROM MASTER PLAN



LEGEND

1. **Affordable housing** has been provided by Jackson Housing Authority Housing and West Millsaps Housing.
2. **The Hub Midtown** is a 11,000 sf facility that is the center for Jackson's creative economy, and has spurred local business, such as 1 million cups and Lucky Brewer.
3. **Prosperity Center of Greater Jackson** is an innovative "one stop-shop" facility offering a variety of the essential components needed to prepare an individual/family for growth and development as it relates to career exploration, financial management, legal services, capacity building, etc.
4. **Midtown Public Charter School** will open in the Fall for 2015 for 5th and 6th grades.
5. **Project Innovation** provides a quality afterschool experience in STEM (Science, Technology, Engineering, and Mathematics) and art education.
6. **Little Samaritan Montessori** supports the development of the "whole child" and utilizes the philosophy, methods and materials developed by Dr. Maria Montessori.
7. **Excel by Five** is an innovative early childhood community certification process focusing on a community's young children.
8. **Unacare Clinic** (University Nursing Associates - Community Access to Health Resources and Education) provides primary and episodic health care.
9. **Safe Routes to Schools Planning and Design** is a funded effort to make it safe to walk to local schools and parks.
10. **Public Arts Programming** seeks to beautify the community.
11. **Benjamin Brown Park Renovation** will provide an exciting and safe place for play.
12. **Zoning changes** have been implemented to promote form based principles, mixed uses and increased density.

COMMUNITY ENRICHMENT PROJECTS IMPLEMENTED



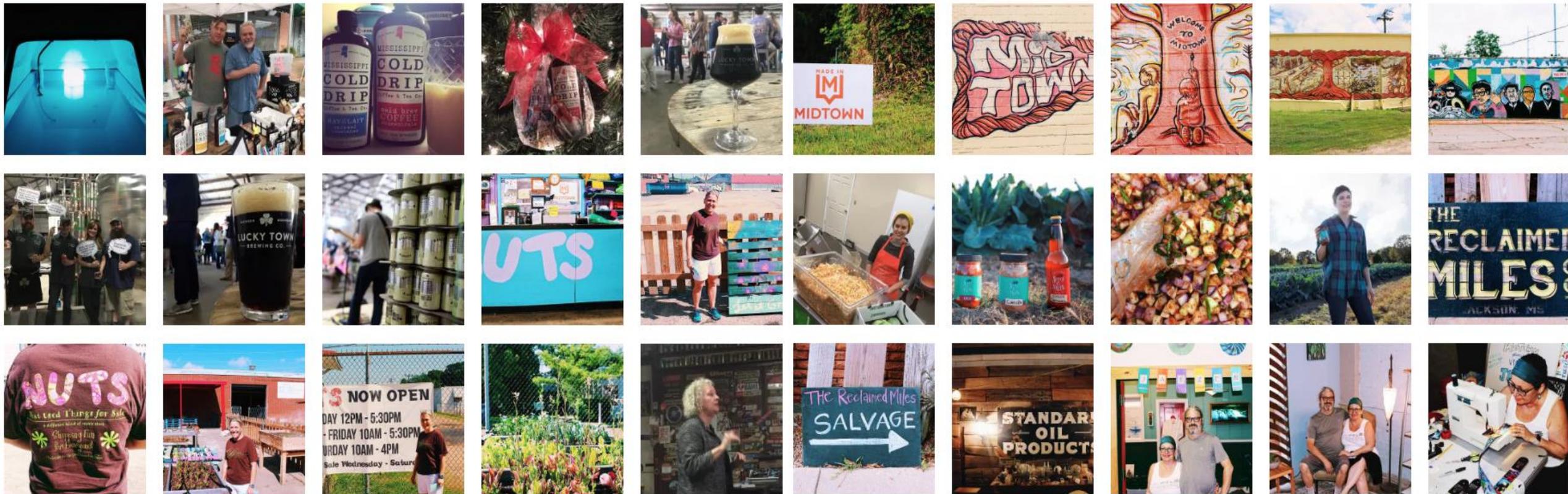
HEALTH PROJECTS IMPLEMENTED



MIXED USE NEIGHBORHOOD PROJECTS IMPLEMENTED



results of the planning process



photographs from madeinmidtownjxn.com, website of the Business Association of Midtown

A'18 AIA Conference on Architecture 2018
June 21-23, New York City

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Contact Information

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Thank you!