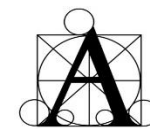


26 MARTIE 2026

CONFERINȚA CHIȘINĂU 2040

PU
CHIȘINĂU

DIRECȚII STRATEGICE, PROVOCĂRI ȘI
OPORTUNITĂȚI ÎN CONTEXTUL ELABORĂRII
PLANULUI URBANISTIC GENERAL



26 MARTIE 2026

CONFERINȚA CHIȘINĂU 2040

PU
R
CHIȘINĂU



AZAROFF, Illya
Principal +lab architect
2026 AIA National President

Urban Resilience and Regeneration 2040

Reziliență și regenerare urbană 2040



IMPORTANȚA PLANULUI URBANISTIC GENERAL

Title: Comprehensive Urban Resilience: A Lifelines-Based Planning Framework

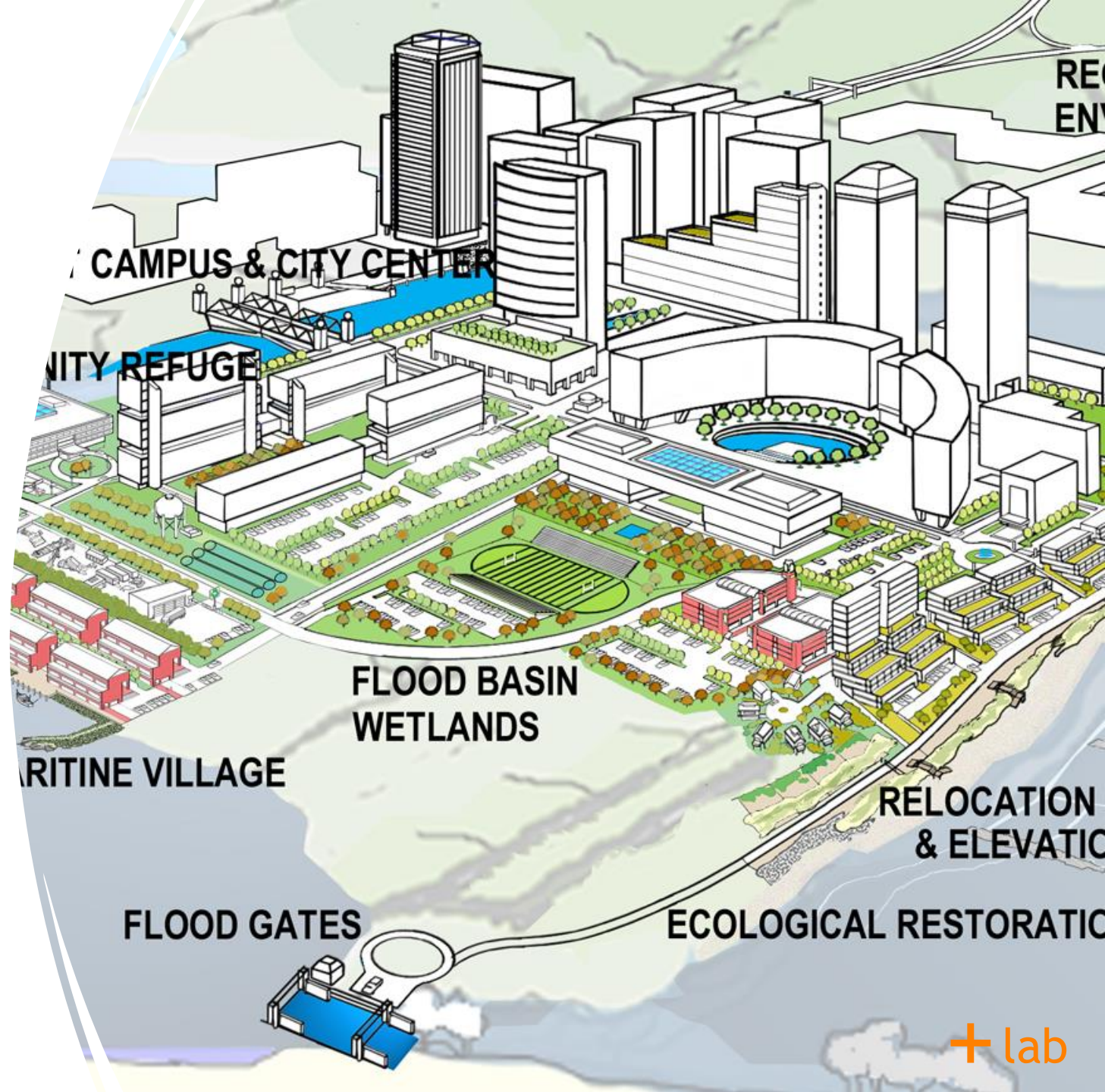
Anchored in the imperative to build more resilient and adaptive cities, this session explores the creation of a new comprehensive urban plan framework grounded in the 7 Community Lifelines—Safety and Security, Food, Water, Shelter, Health and Medical, Energy, Communications, and Transportation. Using elements from [Oakland Park](#), [New York City](#), [Istanbul](#), and [Tokyo](#) as case-based examples, the session illustrates how diverse urban environments confront risk, disruption, and long-term change.

Through these global perspectives, we examine how the lifelines framework can move beyond emergency response to inform proactive planning, design integration, and policy alignment. Each city offers distinct lessons in governance, infrastructure, and community engagement, demonstrating how interconnected systems can be leveraged to strengthen urban resilience.

This presentation positions comprehensive planning not as a static document, but as a dynamic, systems-based strategy—one that aligns design excellence with continuity, equity, and long-term regenerative capacity.

**RESILIENT COMMUNITIES are
ADAPTIVE COMMUNITIES**
fostering
ECOLOGICAL DIVERSITY
embracing
CULTURE and HERITAGE

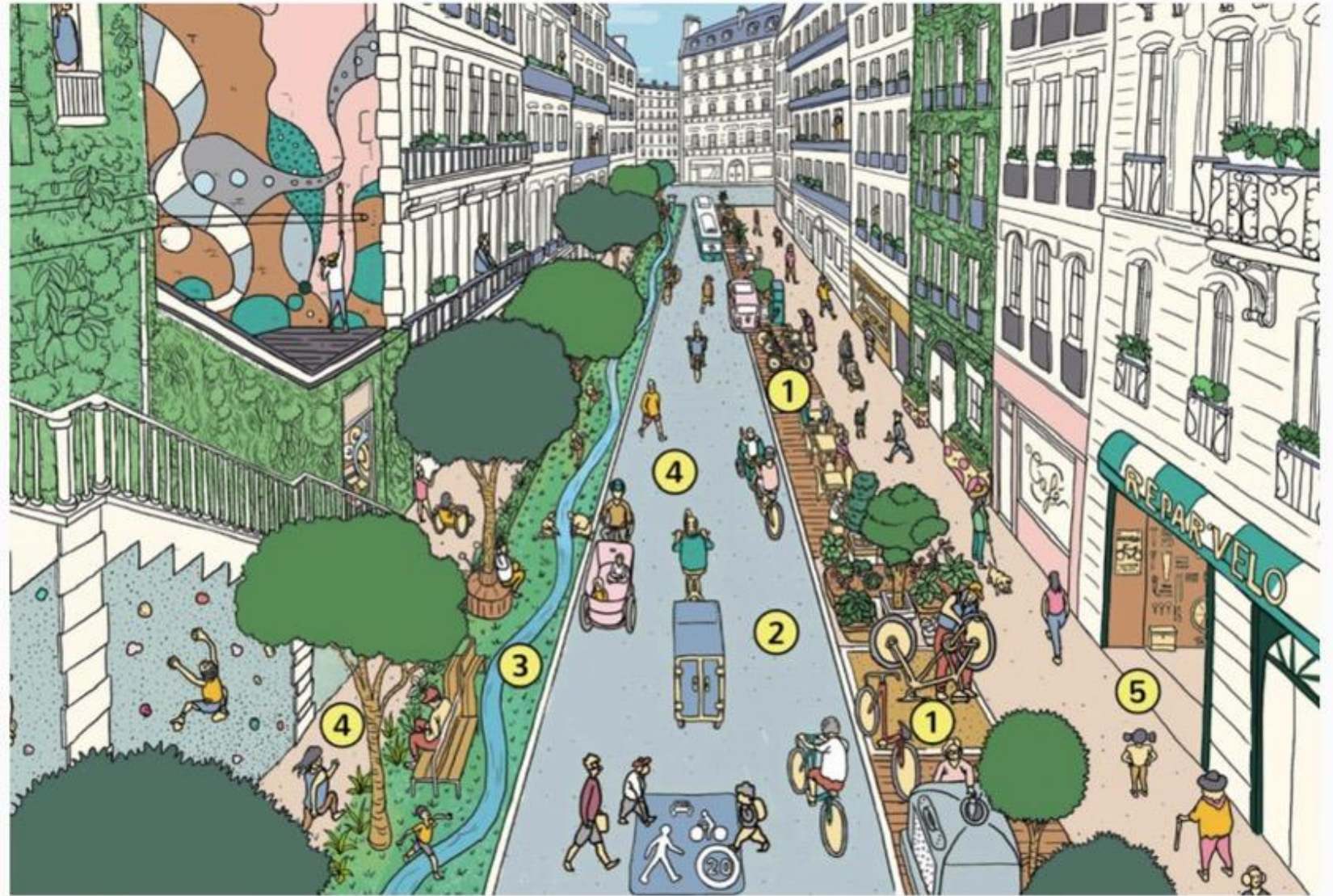
- LEVERAGE EXISTING BUILDINGS
- SPONGE CITIES
- HOW DO WE INCREASE CAPACITY?
- THINK OF RESILIENCE AS AN ACTION!



How do we
reimagine
communities?

Adaptation!

- Resilient
- Sustainable
- Equitable



The 15-minute city will involve reshaping the streets of Paris. PARIS EN COMMUN

French government is bringing forward the publication of new national cycleway guidelines.
The best-practice guide will be published ahead of schedule on May 4, 2021

FEMA Community lifelines

Tied to a framework of resilience and response.

Community Assessment in these
7 categories + 1
bring forward a plan for
communities to strengthen
weaknesses.



Safety and Security - Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, Community Safety



Food, Water, Shelter - Food, Water, Shelter, Agriculture

+1 WATER



Health and Medical - Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management



Energy - Power Grid, Fuel



Communications - Infrastructure, Responder Communications, Alerts Warnings and Messages, Finance, 911 and Dispatch



Transportation - Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime



Hazardous Material - Facilities, HAZMAT, Pollutants, Contaminants

Systems



The SDGs can be linked together economically, societally and ecologically. Illustration: J. Lokrantz/Azote

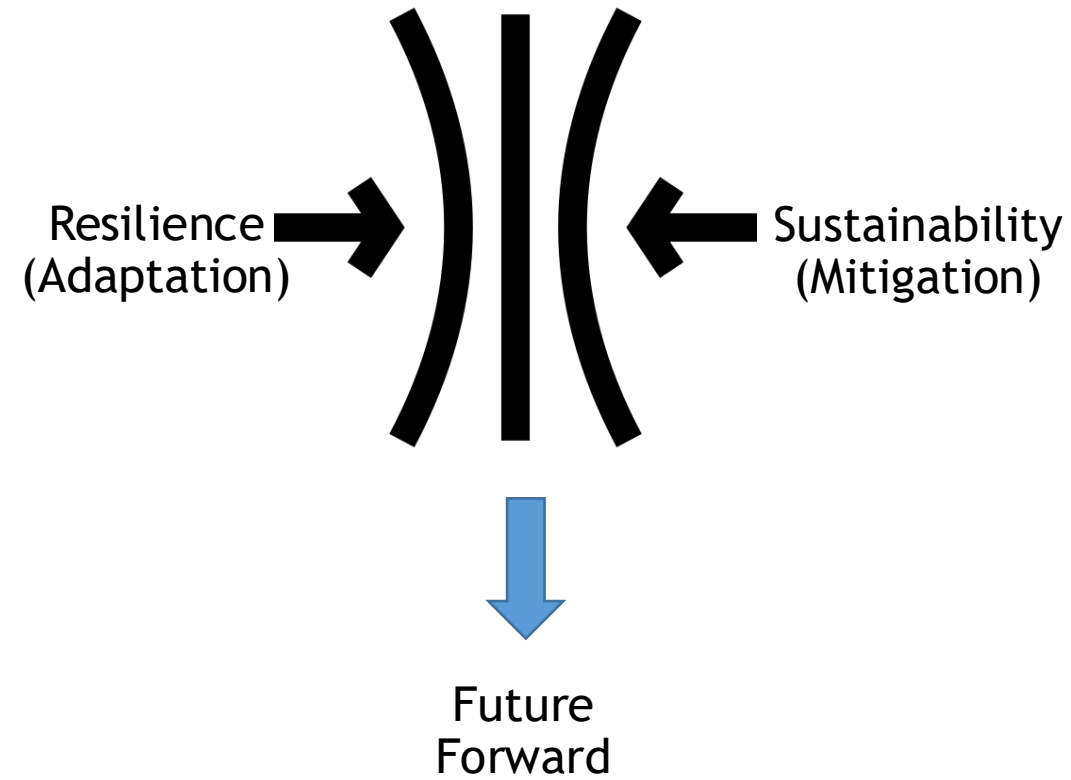
GDP

GNH

GEP

Gross
Ecosystem
Product

Ecosystem Services
(Regeneration)
Culture and Heritage



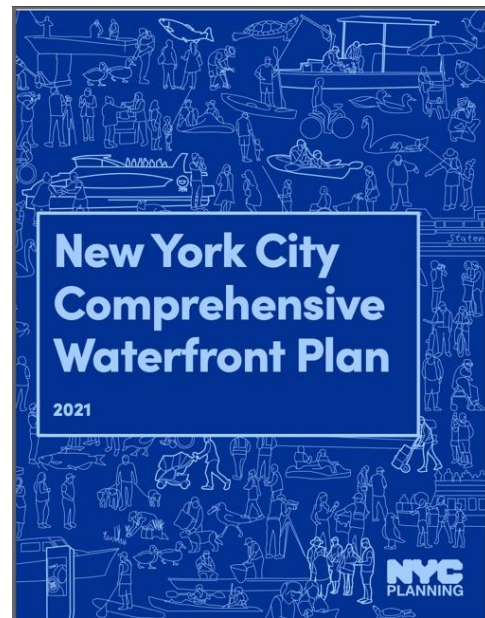
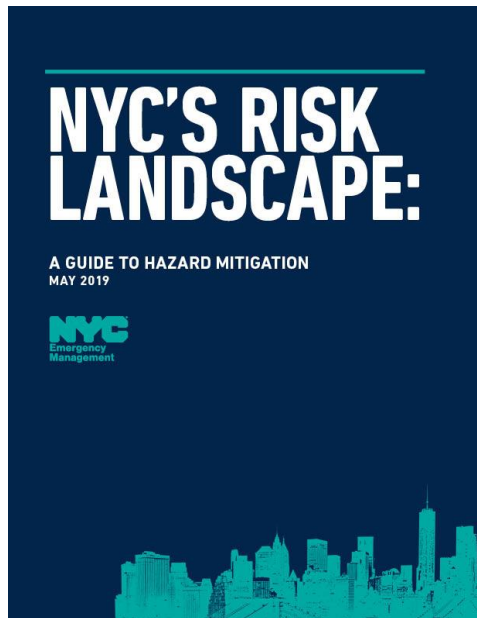
Long-term planning

Recognize when you need **SURGERY** instead of a Band-Aid



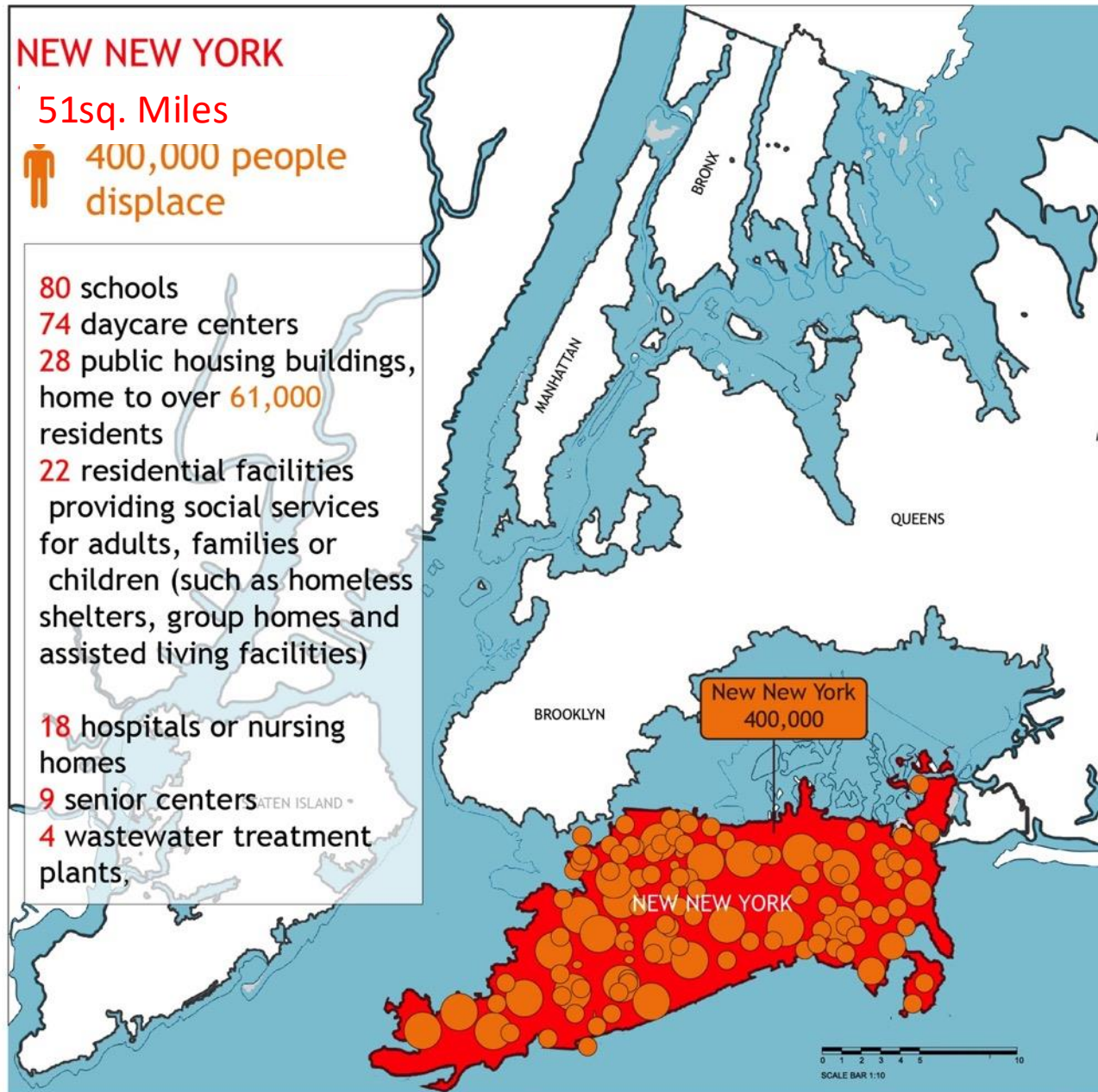
DIRECȚII STRATEGICE

ROLUL ÎN VIITORUL CHIȘINĂULUI

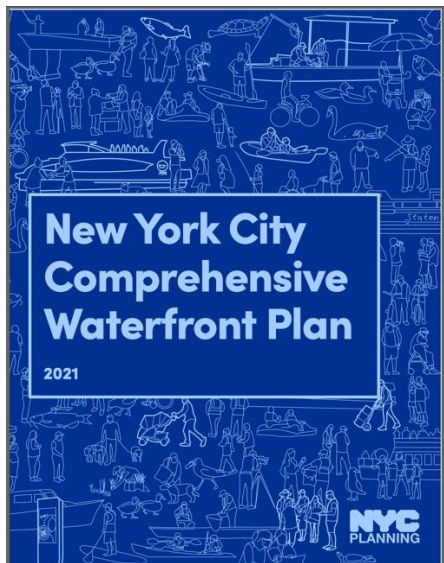


- RISK INFORMED PLANNING IS KEY TO MEET THE CHALLENGES OF CLIMATE CHANGE.
- PLANNING TO MEET FUTURE PROJECTIONS OF CLIMATE IS KEY
- CREATING POLICY AT THE INDIVIDUAL BUILDING SCALE





= 132 sq. km.



Coastal Adaptation Continues + Zoning

Land Use Planning in the Floodplain Citywide vs. Local Approach

Where flood risk is high, including where sea level rise will lead to future daily tidal flooding

Where risk from extreme events can be managed through infrastructure and context can support growth

Flood risk and Land Use Considerations

Limit Density

In some areas, there is a need to limit future density, as to decrease the exposure to damage and disruption.

Special Coastal Risk Districts

Support Planned Density

Adjust zoning to allow buildings to meet resiliency standards, by providing flexibility and removing zoning obstacles.

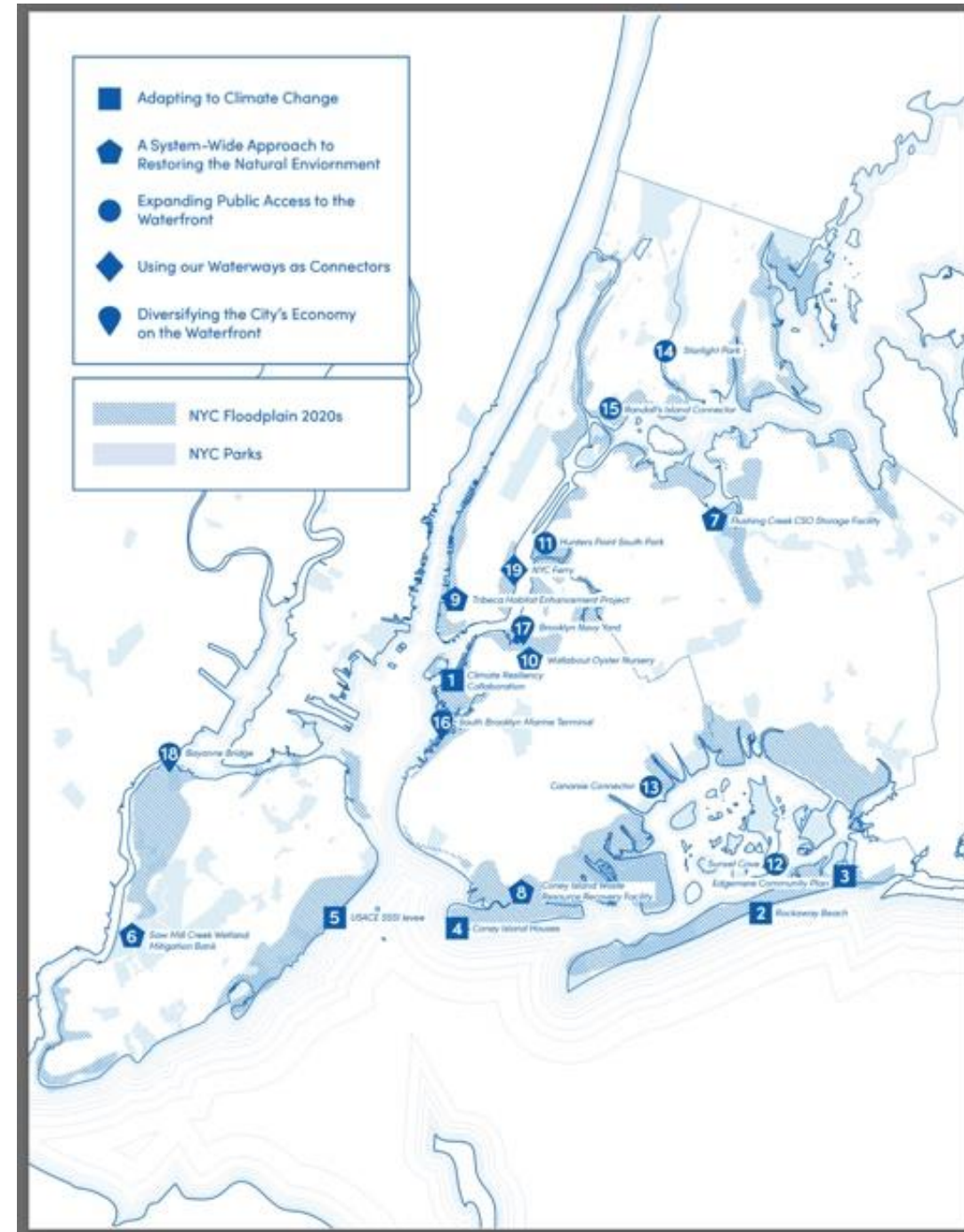
Citywide: Flood Resiliency Zoning Text Update (FT2)

Encourage Density

In other areas, the city can encourage new development, as to increase the resilient building stock.

Other DCP's local actions

Source: NYCDP



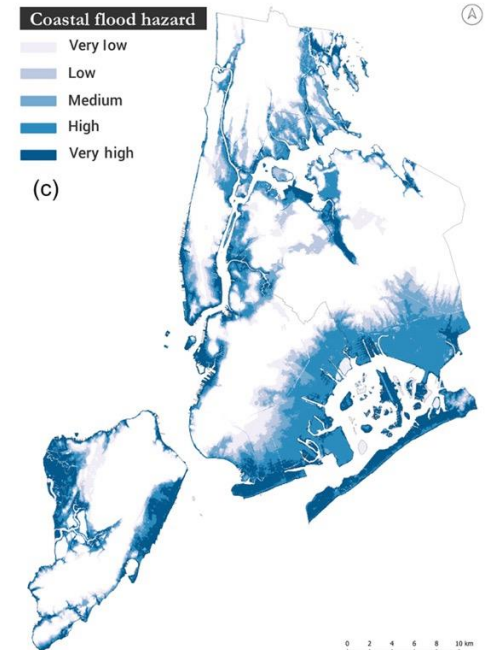
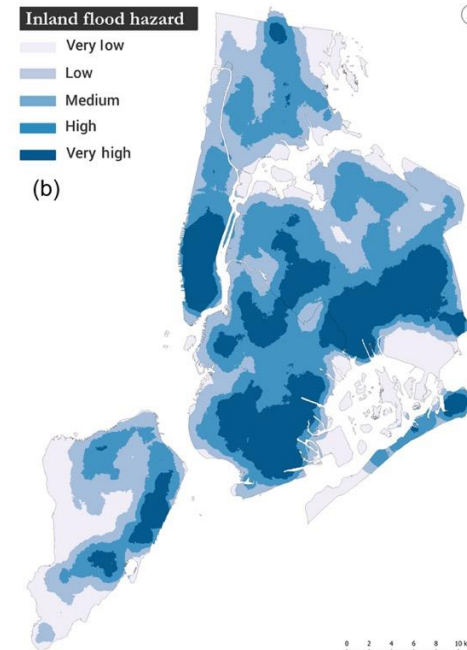
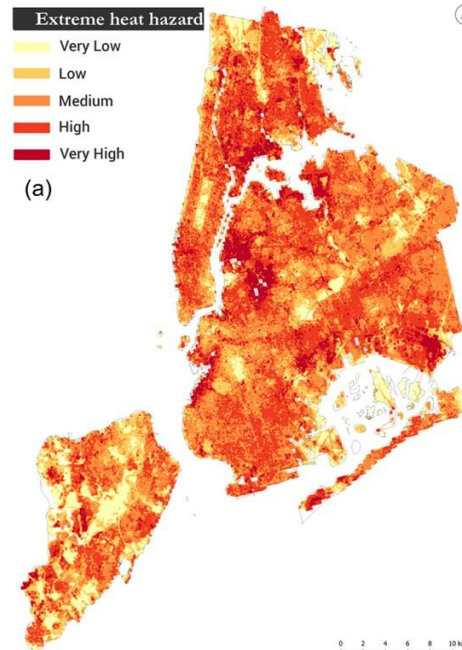
NYC'S RISK LANDSCAPE:

A GUIDE TO HAZARD MITIGATION
MAY 2019

NYC
Emergency
Management

HMP - Hazard Mitigation Plan

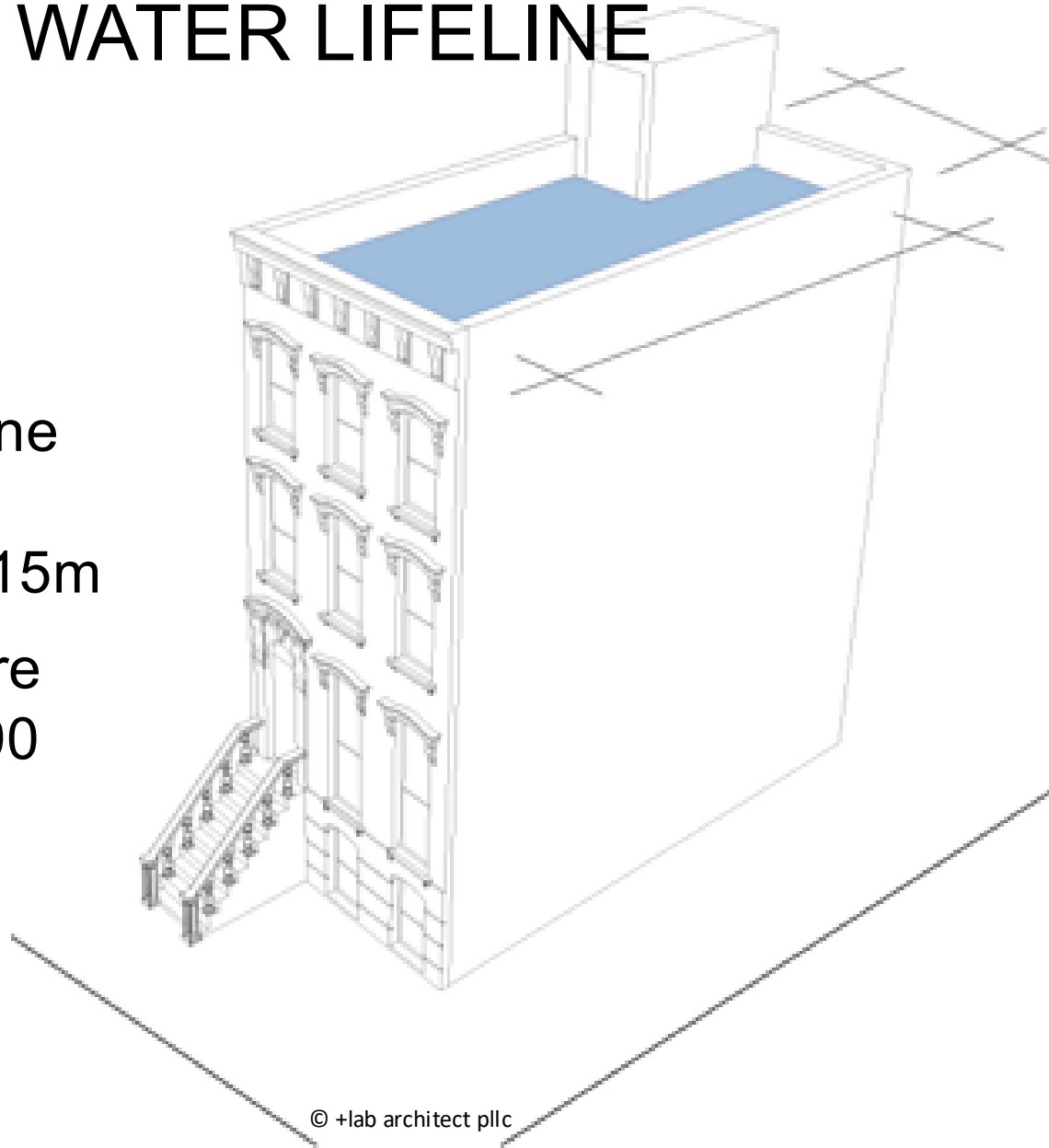
- All Hazards
- Projecting forward
- 2024 Plan is underway



New York City: WATER LIFELINE

Historic Townhouse Retrofit

- Average redbrick/brownstone building roof dimensions 6m x 15m
- Stormwater capture capacity up to 1890 liters/month



© +lab architect pllc



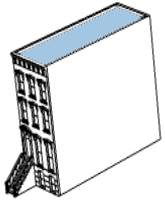


Source: +lab architect pllc

BUILDINGS & SITE: RETROFITTING EXISTING BUILDINGS -POWER LIFELINE

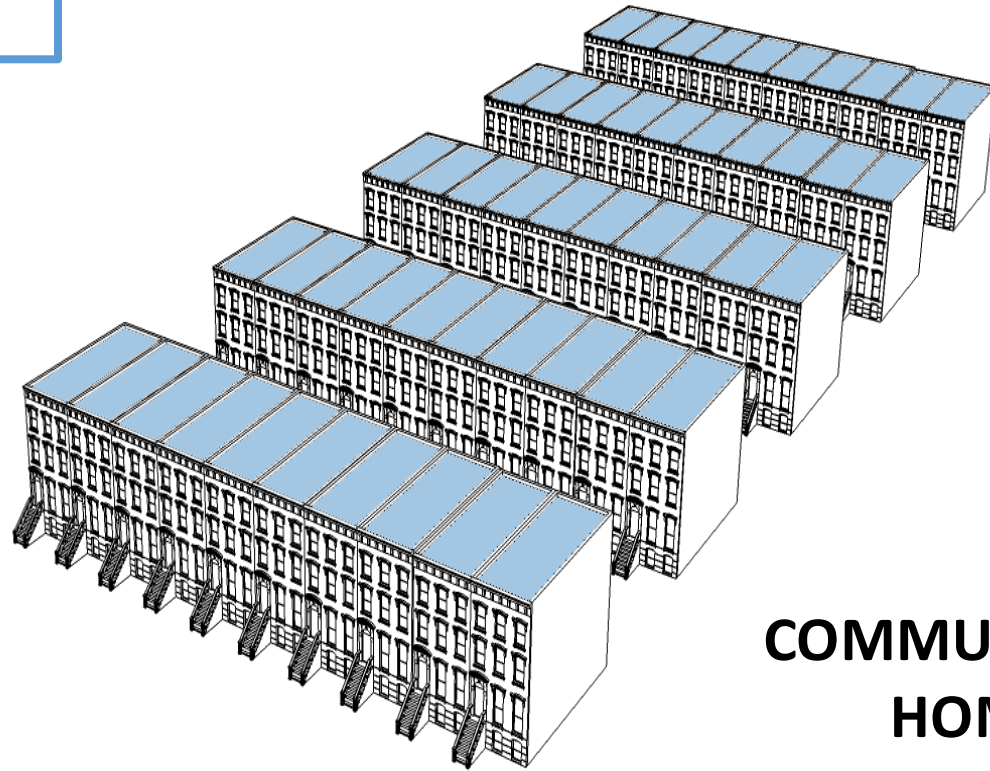
Blue Roof Program
+
Green Streets
Program

SMALL MOVES FOR BIG IMPACT



SINGLE HOME

1890 LTR/MO

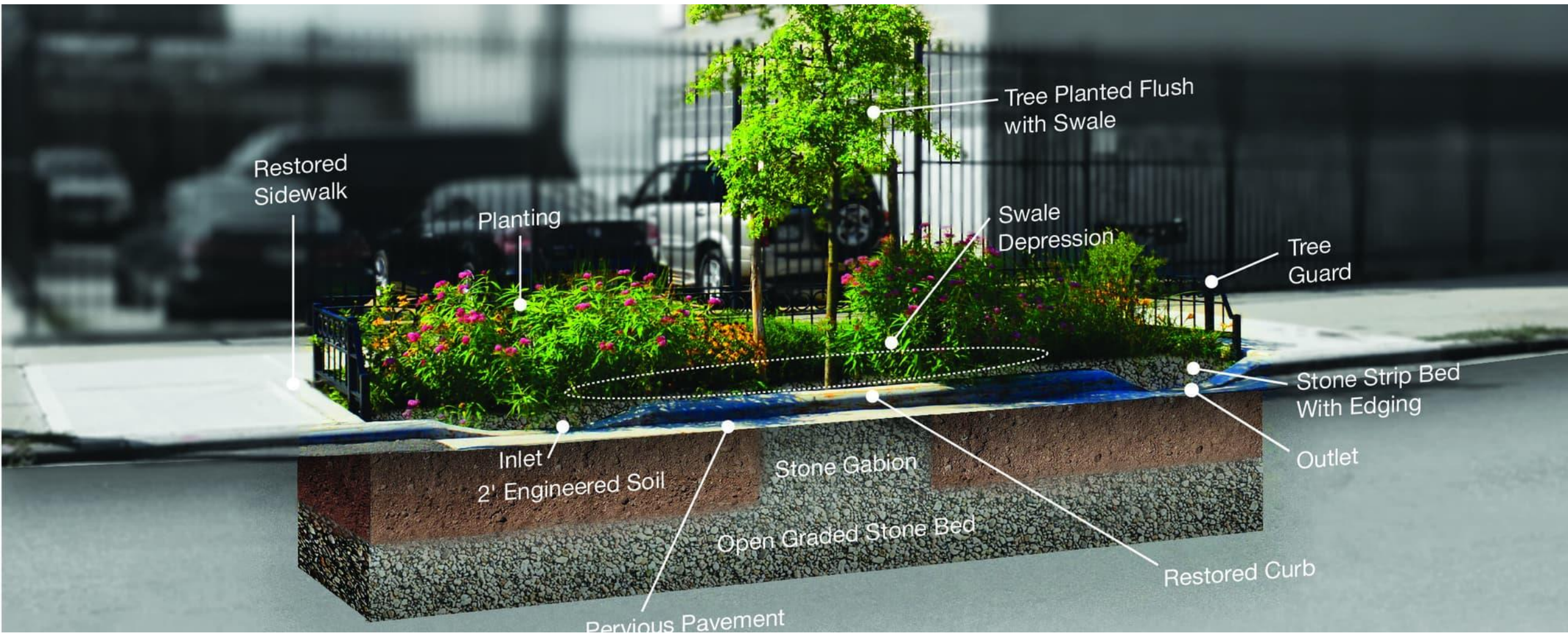


**COMMUNITY- 50
HOMES**

94500 LTR/MO



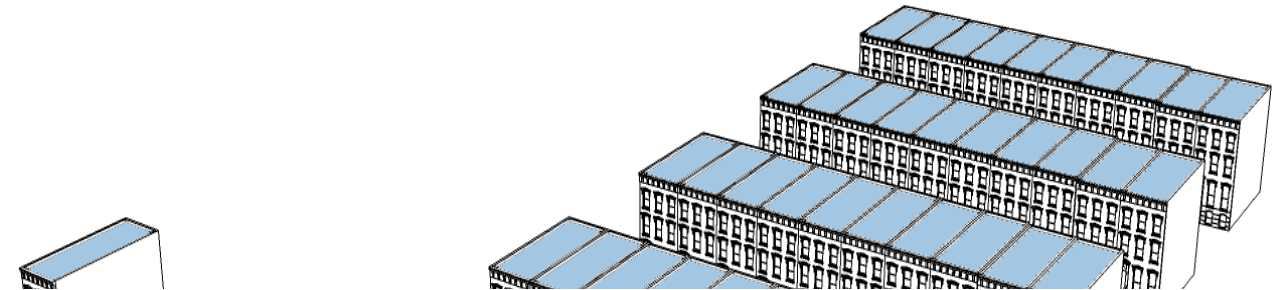
Source: NYC.gov



Source: [Hazen and Sawyer](#)

NEIGHBORHOOD : RAINGARDEN

POWER GENERATION IS NEXT – PV PANELS



SAME FOR COMMUNITY MICROGRID

SINGLE HOME

?? KW/MO

COMMUNITY- 50 HOMES

?? KW/MO

DIRECȚII STRATEGICE

ROLUL ÎN VIITORUL CHIȘINĂULUI



- MAINTAINING COMMUNITY LIFELINES AND LEVERAGING ASSETS ARE KEY

- RISK INFORMED ZONING INCREASED LIFE SAFETY AND REDUCES RISK TO LIFE

- PARKS AS PLACES OF REFUGE





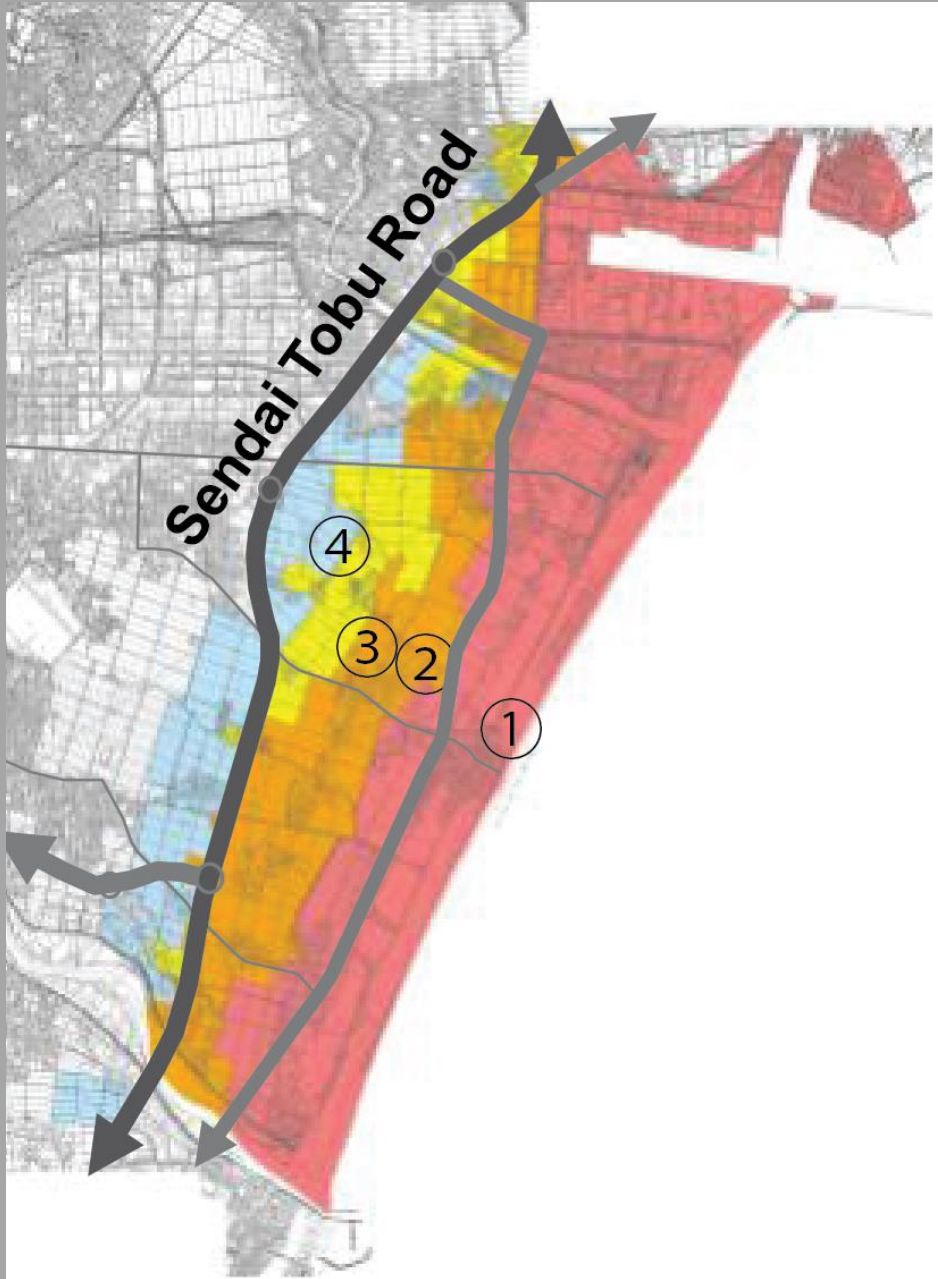
MATSUSHIMA

Miyagi Prefecture

General Logistics Planning Map



- Major Town
 - Intermediate Town
 - Small Town
 - Village
 - ✈ Airport
 - ✈ Airfield
 - ⚓ Port
 - ✈ Railway
 - ⬜ National boundary
 - ⬜ First level admin boundary
 - 🌊 Surface Waterbody
 - 🌊 River
- Road Network**
- ⬜ Highway
 - ⬜ Primary
 - ⬜ Secondary
 - ⬜ Tertiary
 - ⬜ Residential/Track



LEGEND

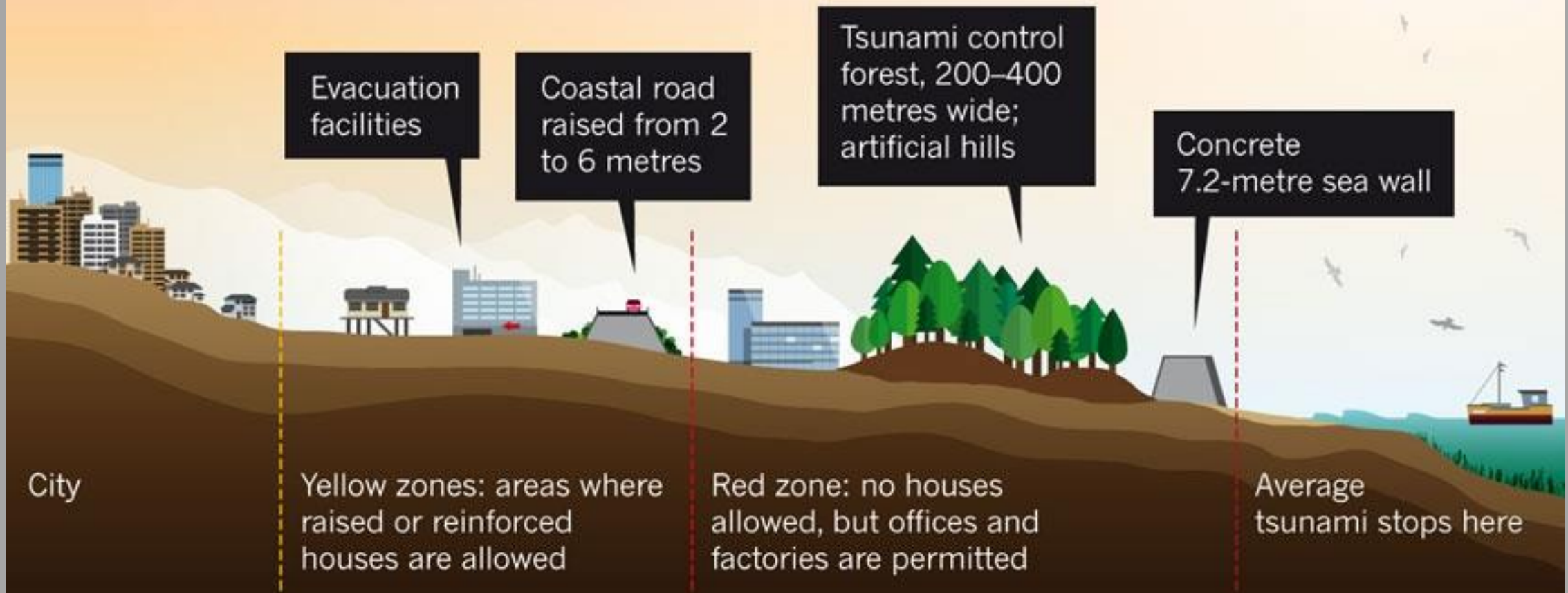
- ① Houses were washed away or water reached to the ceiling of the 1st floor
- ② Water reached up to 1m above the 1st floor
- ③ Water reached up to the 1st floor
- ④ Water reached under the 1st floor

AREAS FLOODED BY THE TSUNAMI

- Population : 21,966
- Households: 8,086
- Area (ft²) : 49,869.2
- Flooded Buildings: 12,277

PLAN FOR A TSUNAMI-RESISTANT CITY

Sendai is considering refashioning its coastal area. A raised sea wall would block typical tsunamis and an elevated coastal road would protect against giant ones. A new law mandating zoning restrictions aims to lower the number of fatalities.

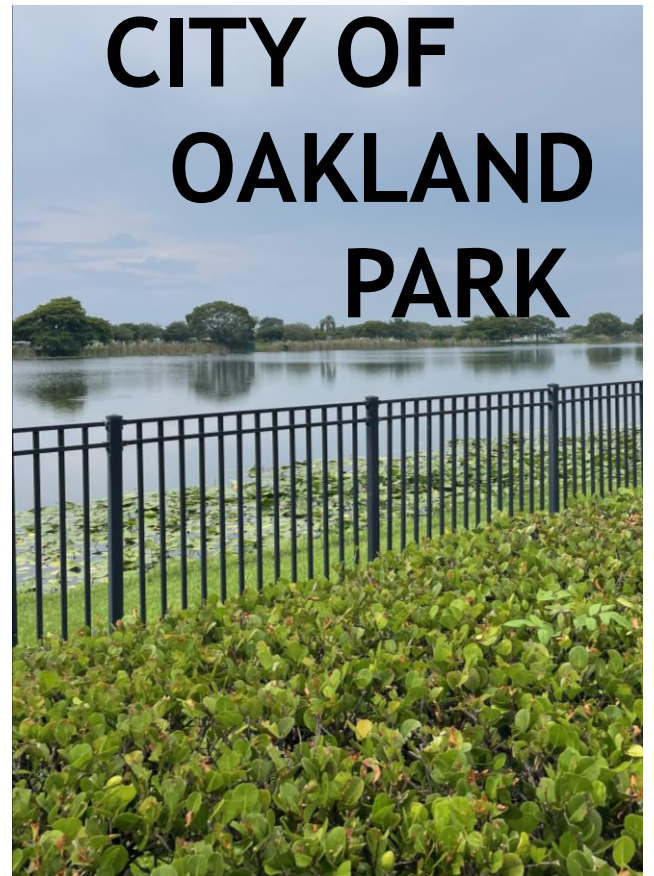


Parks as seismic refuge – community lifeline





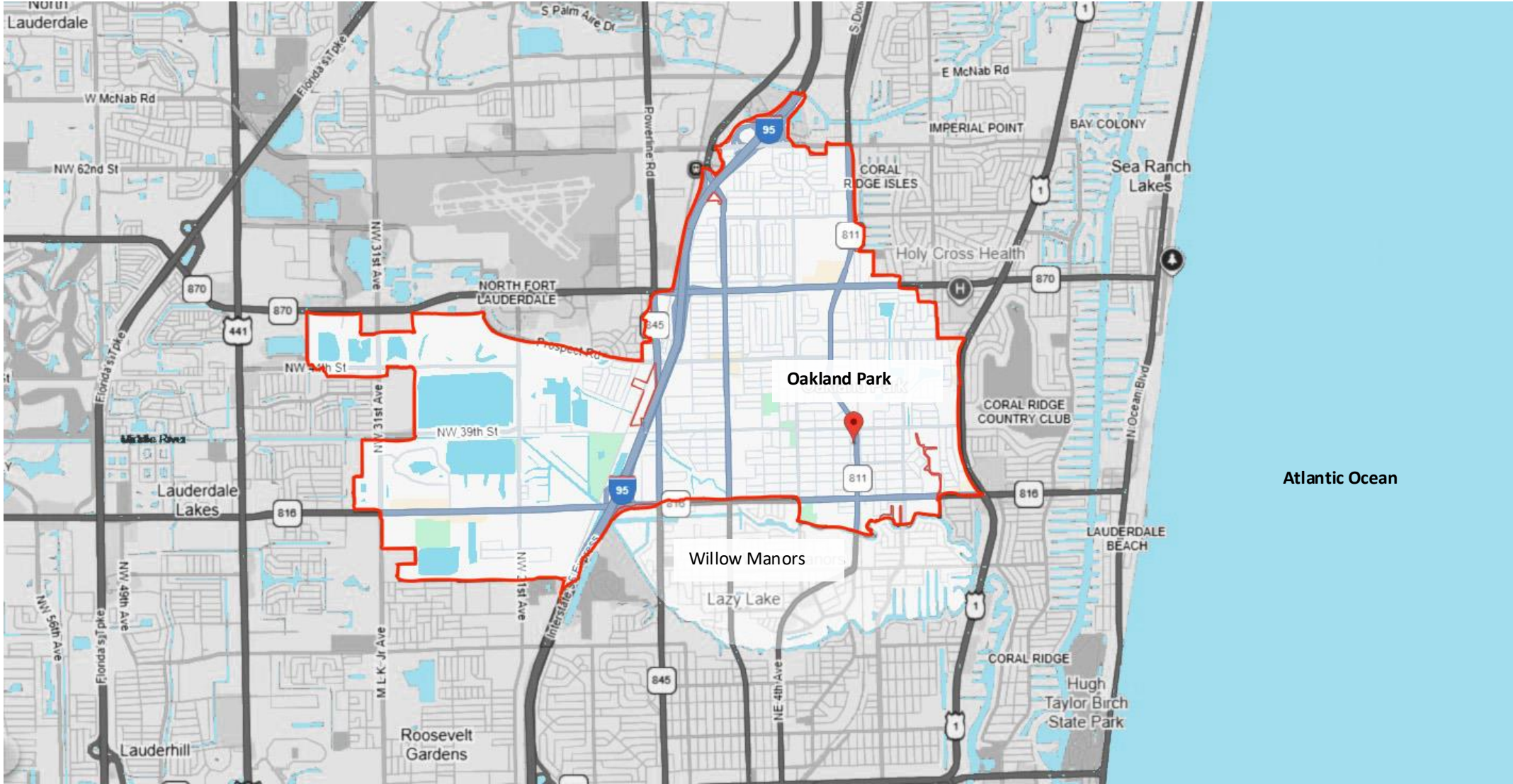
ASSETTS, CULTURE AND PLANNING?



CITY OF OAKLAND PARK



Background

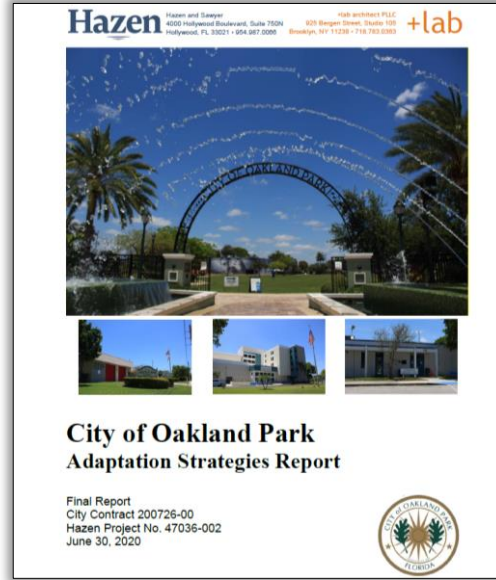


Area= 20.7 square KM (2070 HECTARES)

Vulnerability Assessment & Adaptation Planning

Projects/Plans

- Stormwater Master Plan Update & Flood Vulnerability Assessment;
- Adaptation Strategies Report;
- Municipal Bond Program for City Master Plan



Engagement
Facilitators

Mentors

Downtown Revitalization
RFP & RFQ

Resiliency &
Sustainability
Consultants

2019

2020

2021

2022

2024- ONGOING

Resiliency &
Sustainability
Consultants

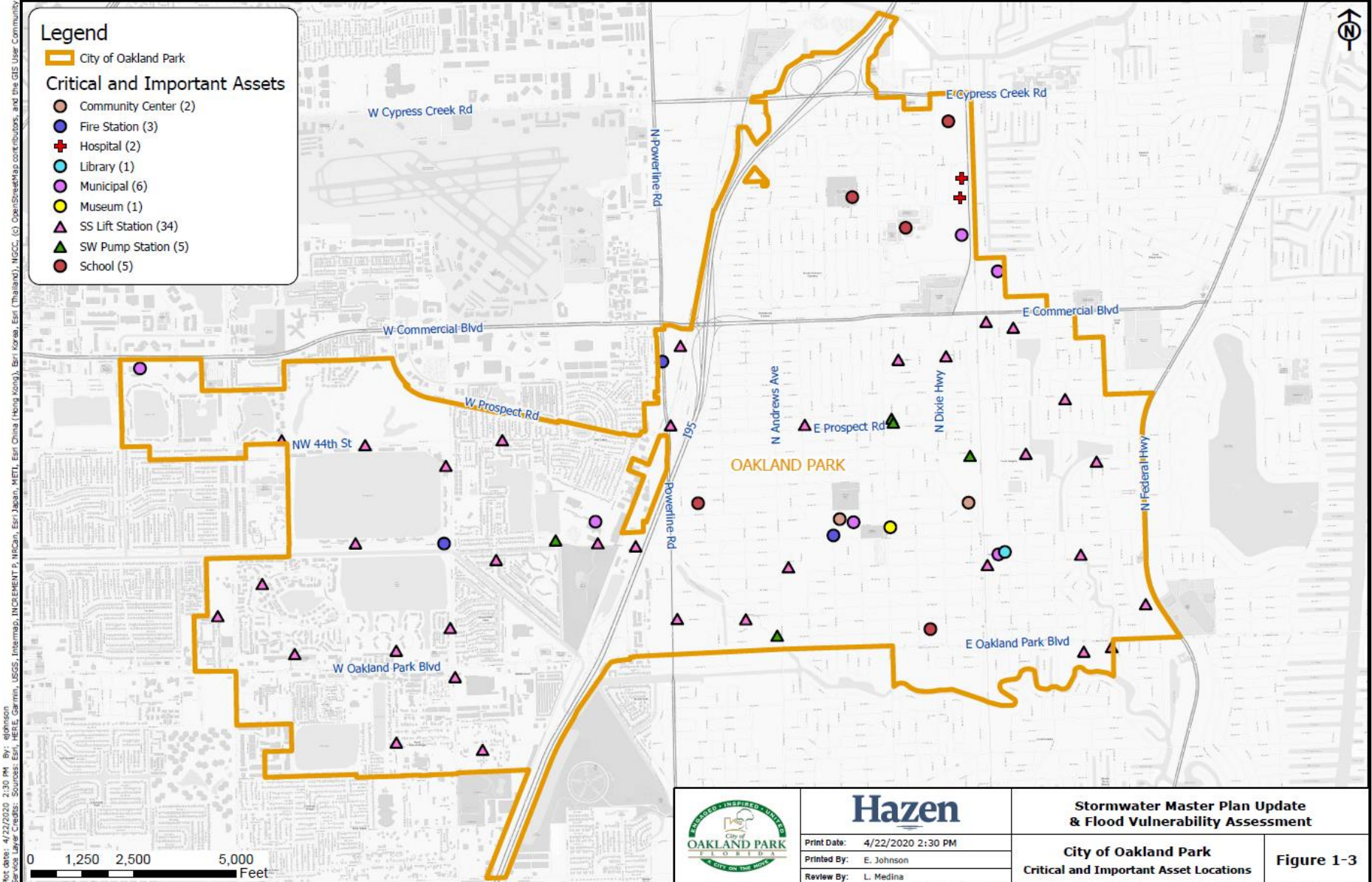
Resiliency &
Sustainability
Technical
Advisors

Engagement Kick-
Off

Alliance for National &
Community Resilience
(ANCR)

Village @ Oakland Park
Housing
Redevelopment

Critical Assets Locations



Proj Date: 4/22/2020 2:30 PM By: ejohnson
 Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Imagery, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Swi, Korea, Esri, Thailand, NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Downtown Revitalization RFP & RFQ



 Downtown Properties Redevelopment: Must Haves		 Downtown Properties Redevelopment: Will Encourage	
Residential Offerings	✓	Sustainable Building Practices	✓
Relocation of Recreational Amenities to New Greenleaf Park Site	✓	Affordable Housing Strategy	✓
Retail & Commercial	✓	Creative Small Business Opportunities	✓
Public Parking Spaces	✓	Downtown Properties Redevelopment: Strongly Prefer	Acquisition of Adjacent Parcels ✓
Construction of Woonerf	✓		
Public Gathering Space	✓	<small>Note that the requirements for sustainability and some measures for resilience are addressed</small>	
Urban Greenspace	✓		
High Quality Architectural & Urban Design	✓		
Future Commuter Rail Stop	✓		
Federal, State & Local Grant Partnerships with the City	✓		

Vulnerability Assessment & Adaptation Planning

Engagement Facilitators

Mentors

Resiliency & Sustainability Consultants



Resiliency & Sustainability Consultants

Resiliency & Sustainability Technical Advisors

Engagement Kick-Off

Alliance for National & Community Resilience (ANCR)

Village @ Oakland Park Housing Redevelopment

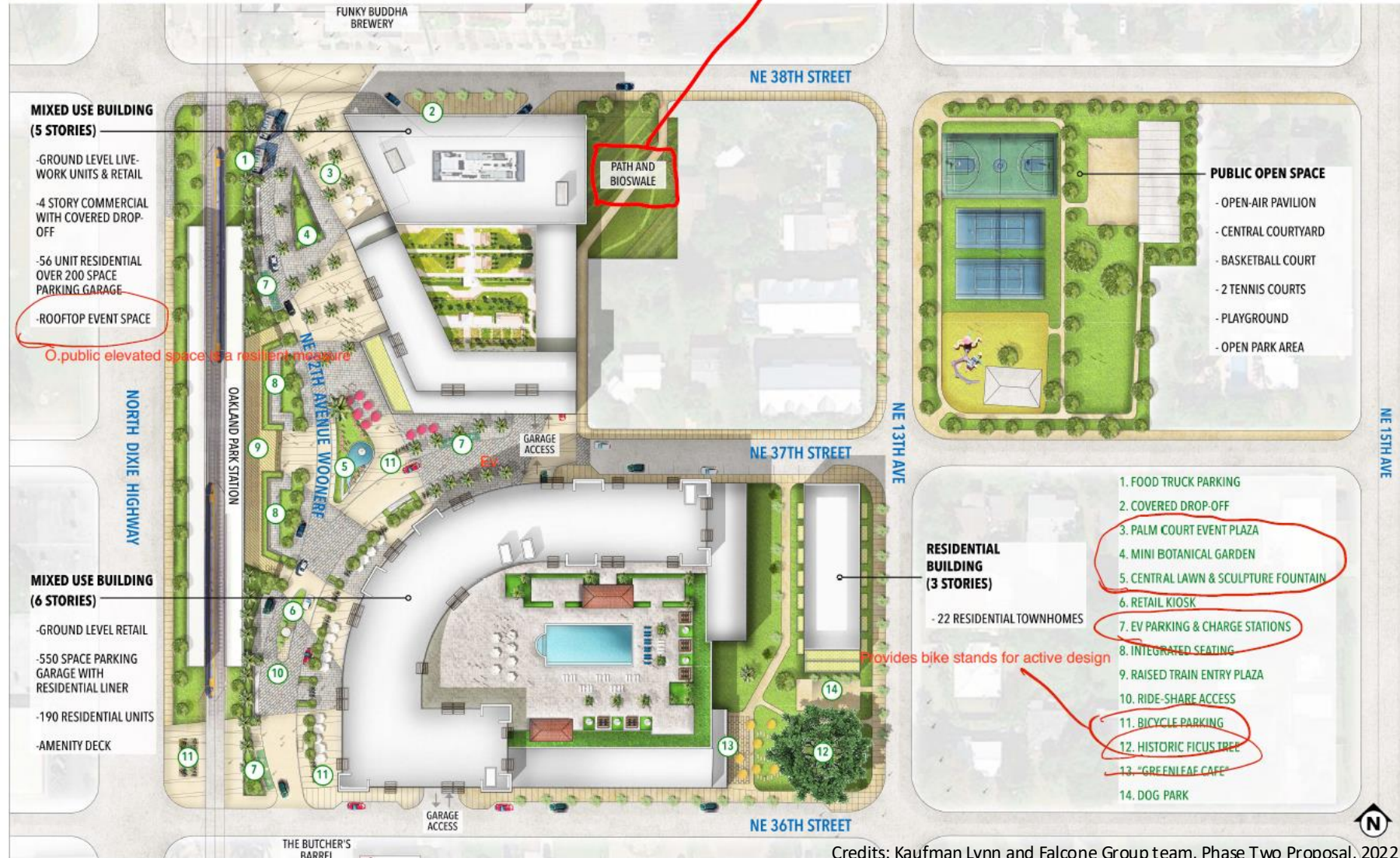
Downtown Revitalization Plan



Credits: Kaufman Lynn and Falcone Group team, Phase Two Proposal, 2022

Downtown Revitalization Plan

Site Plan



Vulnerability Assessment & Adaptation Planning

Downtown Revitalization RFP & RFQ

Engagement Facilitators

Mentors

Resiliency & Sustainability Consultants

2019

2020

2021

2022

2024- ONGOING

Resiliency & Sustainability Consultants

Resiliency & Sustainability Technical Advisors

Engagement Kick-Off

Alliance for National & Community Resilience

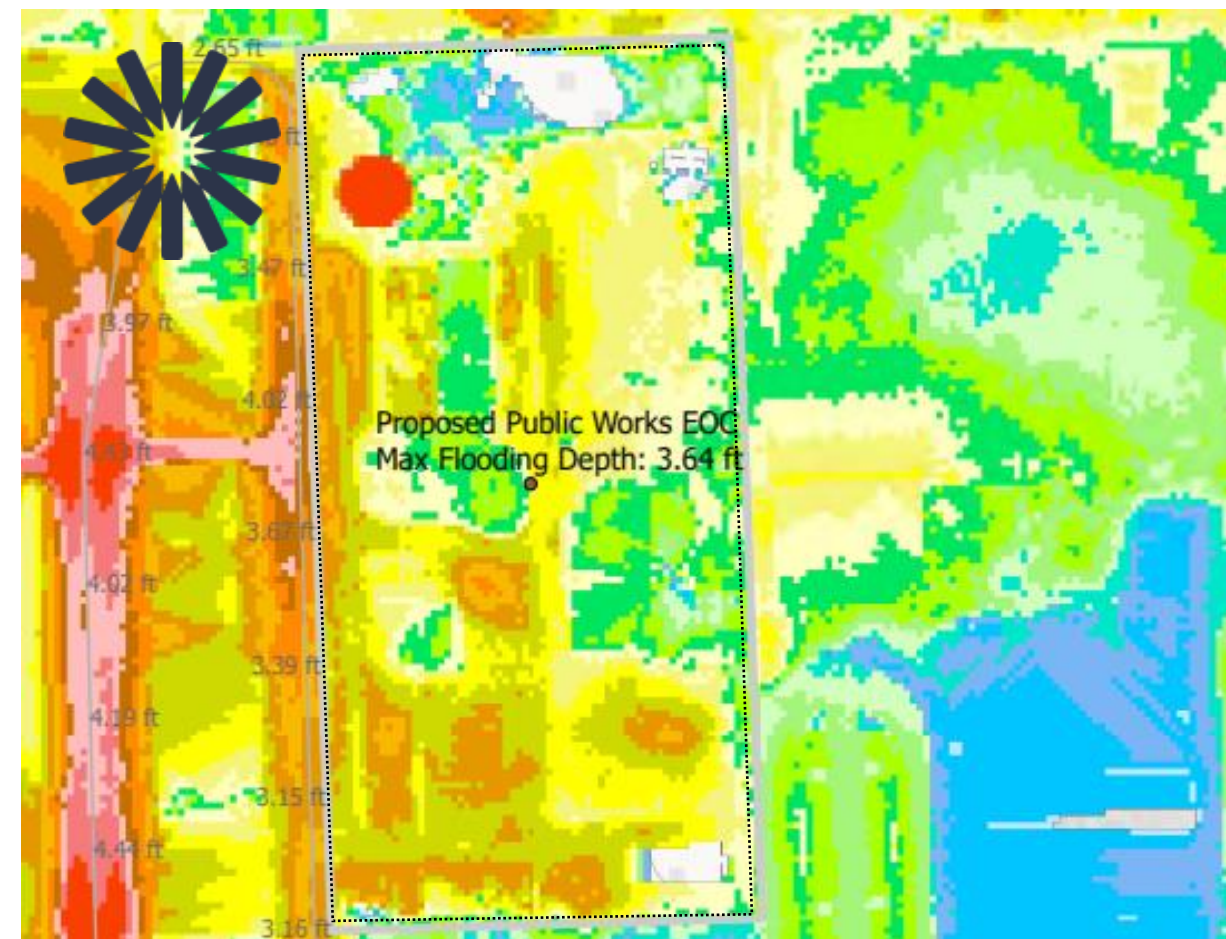


Community-driven Planning Process



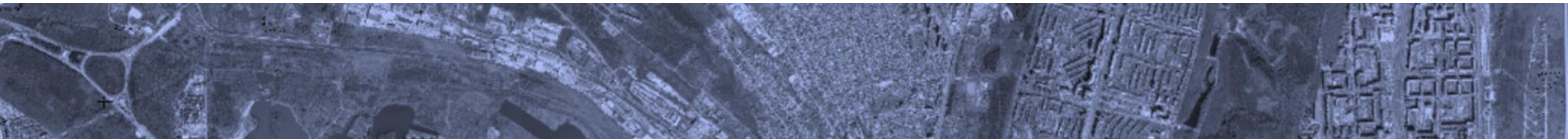
Urban League of Broward County

Village @ Oakland Park Housing Redevelopment



ROLUL ÎN VIITORUL CHIȘINĂULUI

- MAIN CHALLENGES IS TO MANAGE CHANGE AND ADAPT TO MEET THE CHALLENGES OF THE FUTURE.
- TO HAVE A FLEXIBLE, ADAPABLE URBAN PALN IS KEY TO REGUNIVATE AREAS OF THE CITY, AND REGENERATE ECOLOGICAL SYSTEMS.
- RISK INFORMED PLANNING IS KEY TO LEVERRAGE SCIENCE AND DATA TO TRANSFORM THE CITY OVER A LONG PERIOD OF TIME.



PROVOCĂRI PRINCIPALE ALE ORAȘULUI