

RBD and NDR

PLANNING AT THE MUNICIPAL AND REGIONAL SCALE

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Director, Rebuild by Design & National Disaster Resilience
Department of Housing

HARBORS OF BLACK ROCK AND BRIDGEPORT

Founded upon a Trigonometrical Survey
under the direction of F.R.HASSLER Superintendent of the
SURVEY OF THE COAST OF THE UNITED STATES

Triangulation by J.FERGUSON Assistant

Topography by C.M.EAKIN Assistant

Hydrography by the party under the command of

Lieutenant G.S.BLAKE U.S.Navy

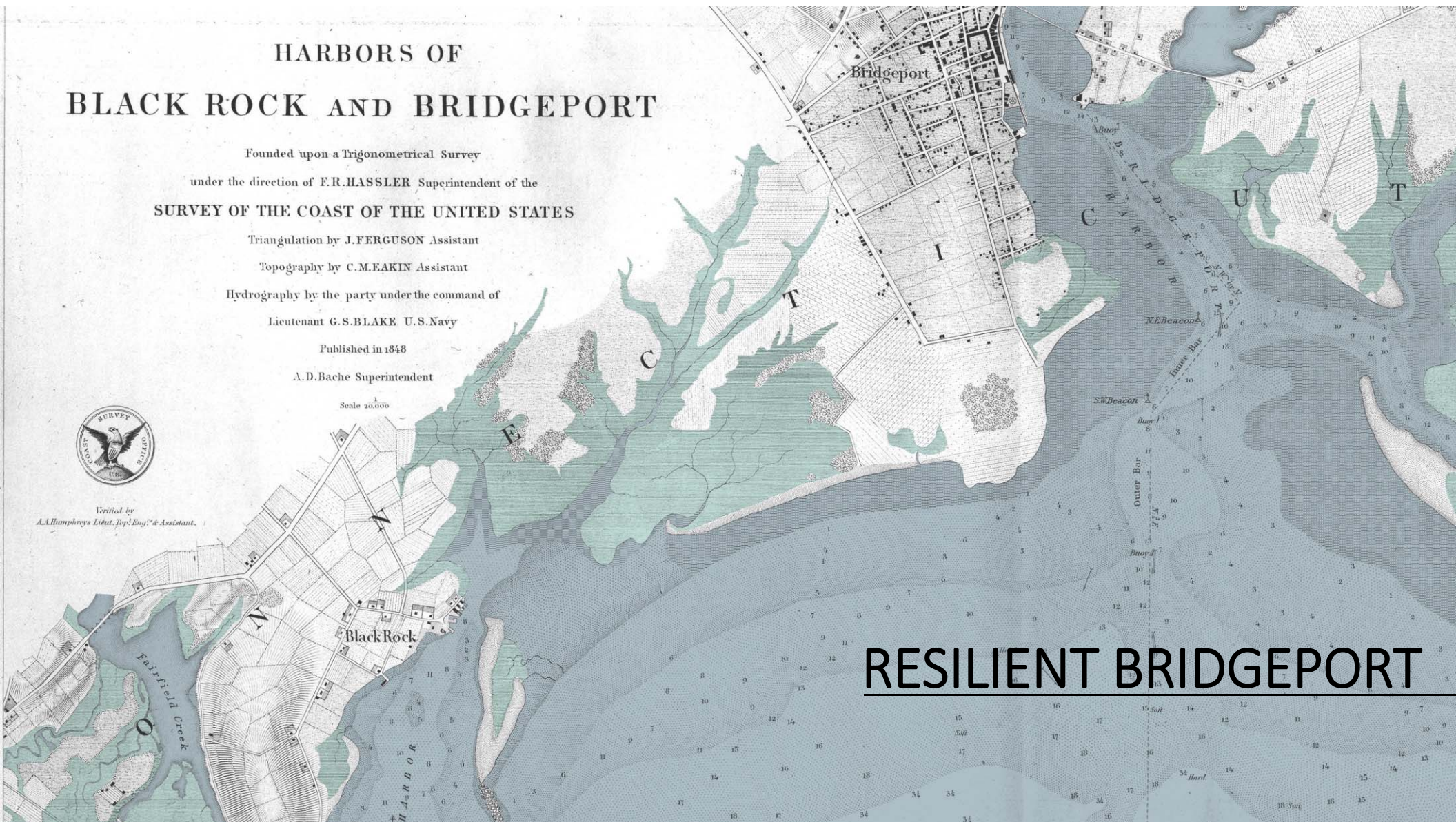
Published in 1848

A.D.Bache Superintendent

Scale 20,000



Written by
A.A.Bamphreys Lieut. Top. Eng. & Assistant.



RESILIENT BRIDGEPORT









REBUILD BY DESIGN

WB unbridged w/ Yale ARCADIS

Project Credits
 Client: City of Bridgeport
 Project Manager: [Name]
 Design Team: [Name]
 Program Architect: [Name]
 Regional Support: [Name]
 Local Coalition: [Name]
 Status, Federal & International Support: [Name]
 Design Team: [Name]
 Design Affiliates: [Name]

RESILIENT BRIDGEPORT CLAIM THE EDGE, CONNECT THE CENTER



Thinking in time, working with space, we conceive combinations of natural and fortified solutions to facilitate more resilient forms of habitation in the places most at risk from sea level rise and severe storms.

Living and working in Bridgeport and along the Connecticut coastline and waterways can be done in ways that restore the environment, strengthen connectivity, enhance the urban and regional economy, reduce long term risk, restore the primacy of the city's coast and waterways, and stimulate downtown to make it central to the city's identity. In this and we have pursued innovation in a series of a plan, documentation, understanding that solving an identified problem will catalyze something else, and integration, so that all works together for the vitality and resilience of Bridgeport.



WATER CITY WORK AND PLAY



PROTOTYPE FOR COASTAL CITIES

Learning from and working with nature is key to future safety and prosperity for neighborhoods and cities up and down coastal Connecticut.

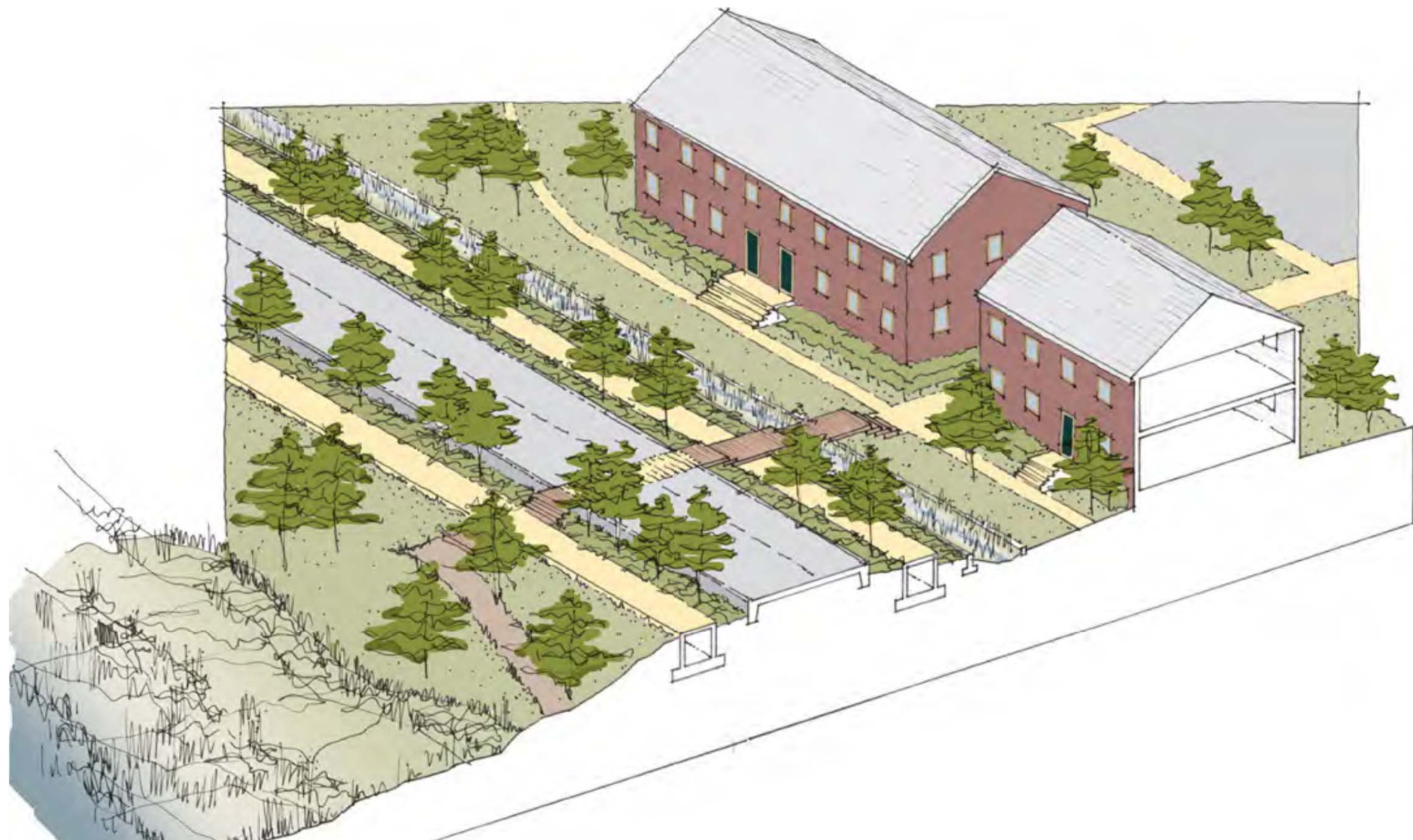


ENGAGEMENT SHARING STORIES











\$10 MILLION AWARD

Study Area

Surrounded by water and bounded by **State Street, Fairfield Avenue, and downtown**, Bridgeport's low-lying South End, Black Rock Harbor, and Cedar Creek area host vibrant and diverse communities. This area is home to residential neighborhoods, multiple historic districts and landmarks, productive industrial facilities, educational institutions, regional transportation systems, and critical regional energy and wastewater infrastructure that face growing environmental challenges.

Investment zones for the Resilient Bridgeport project have been selected because of their vulnerability and unmet needs, historic character, and critical infrastructure in response to HUD's directive to:

- Reduce flood risk for the most vulnerable communities, particularly the public housing developments in the city's South End/Black Rock Harbor area.
- Address unmet recovery needs caused by Hurricane Sandy and other natural events in calendar years 2011, 2012, and 2013.
- Leverage significant match funding from the State of Connecticut and local funds.

Sources

1. City of Bridgeport
2. Sanborn
3. National Hydrography Dataset

LEGEND

- Public Housing
- Impervious Surface
- Pervious Surface
- Park
- Tree Canopy
- Buildings & Structures
- Water
- Corridors

feet
0 500 1,000 2,000 3,000



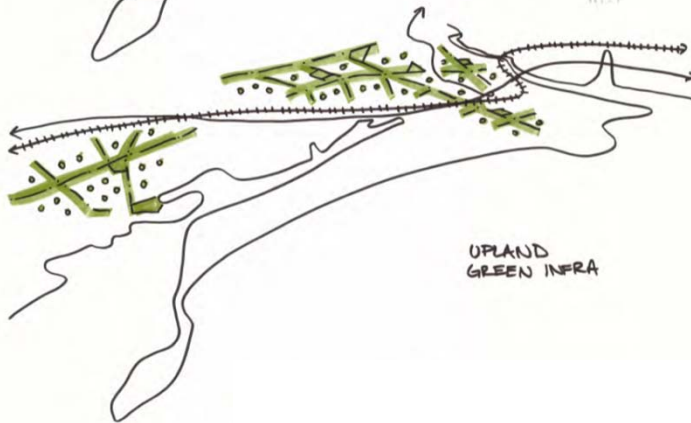




DEVELOPMENT



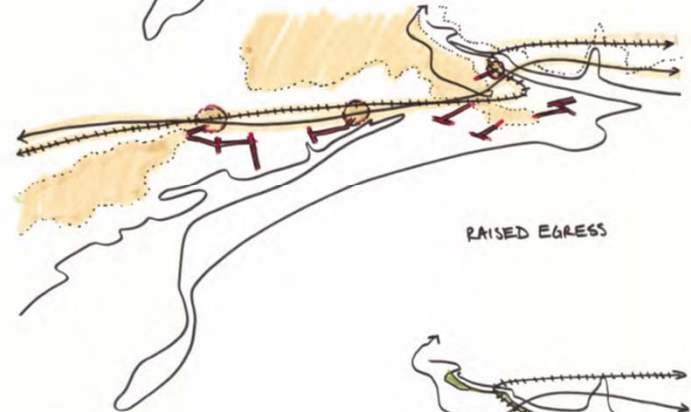
MICROGRIDS
ELECTRIC
THERMAL
STORMWATER



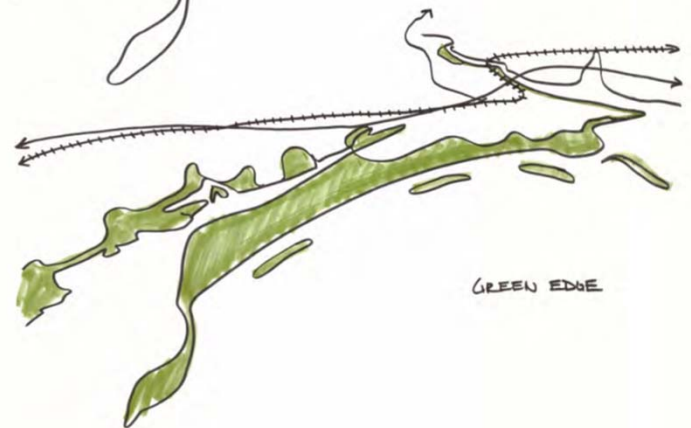
UPLAND
GREEN INFRA



PERIMETER
SURGE PROTECTION

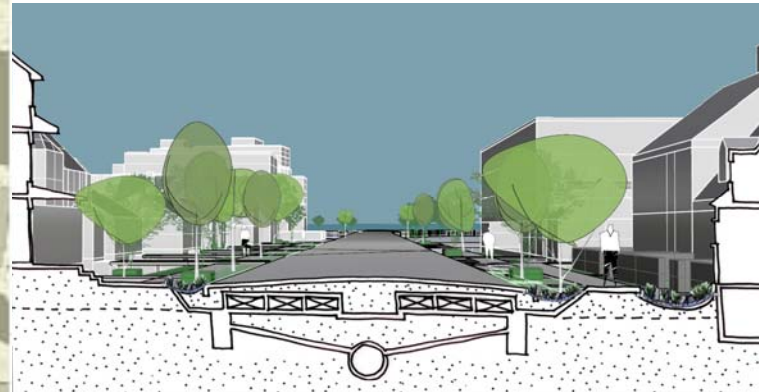


RAISED EGRESS



GREEN EDGE







National Disaster Resilience Competition

TWO-PHASE COMPETITION PROCESS

Phase 1

[Framing Unmet Recovery Needs, Vulnerabilities, and Community Development Objectives]

**NOFA
PUBLISHED**
9/17/2014

[180 DAYS
(~6 MONTHS)]

**PHASE 1
APPLICATION
DEADLINE**
3/16/2015

ELIGIBLE APPLICANTS

STATES, DISTRICTS, AND TERRITORIES

1. Alaska
2. Alabama
3. Arkansas
4. Arizona
5. California
6. Colorado
7. Connecticut
8. District of Columbia
9. Delaware
10. Florida
11. Georgia
12. Hawaii
13. Iowa
14. Idaho
15. Illinois
16. Indiana
17. Kansas
18. Kentucky
19. Louisiana
20. Massachusetts
21. Maryland
22. Maine
23. Michigan
24. Minnesota
25. Missouri
26. Mississippi
27. Montana
28. North Carolina
29. North Dakota
30. Nebraska
31. New Hampshire
32. New Jersey
33. New Mexico
34. New York

35. Ohio
36. Oklahoma
37. Oregon
38. Pennsylvania
39. Puerto Rico
40. Rhode Island
41. South Dakota
42. Tennessee
43. Texas
44. Utah
45. Virginia
46. Vermont
47. Washington
48. Wisconsin
49. West Virginia
50. Wyoming

CITIES AND COUNTIES

1. Birmingham, Alabama
2. Jefferson County, Alabama
3. Tuscaloosa, Alabama
4. Chicago, Illinois
5. Cook County, Illinois
6. Du Page County, Illinois
7. Jefferson Parish, Louisiana
8. New Orleans, Louisiana
9. St. Tammany Parish, Louisiana
10. Springfield, Massachusetts
11. Joplin, Missouri
12. Minot, North Dakota
13. New York City, New York
14. Moore, Oklahoma
15. Dauphin County, Pennsylvania
16. Luzerne County, Pennsylvania
17. Shelby County, Tennessee

[60 DAYS
(~2 MONTHS)]

**PHASE 1
REVIEW
PERIOD**

**PHASE 1
WINNERS
ANNOUNCED**
June 2015*

[120 DAYS
(~4 MONTHS)]
Highest-Scoring
Phase 1 winners
advance to
Phase 2

Phase 2

[From Framing to Implementation]

**PHASE 2
APPLICATION
DEADLINE**
October 2015*

[60 DAYS
(~2 MONTHS)]

**PHASE 2
REVIEW
PERIOD**

**PHASE 2
WINNERS
ANNOUNCED**
December 2015*

**FUNDS
AWARDED**
December 2015*

ELIGIBILITY MAP



FUNDING INFORMATION

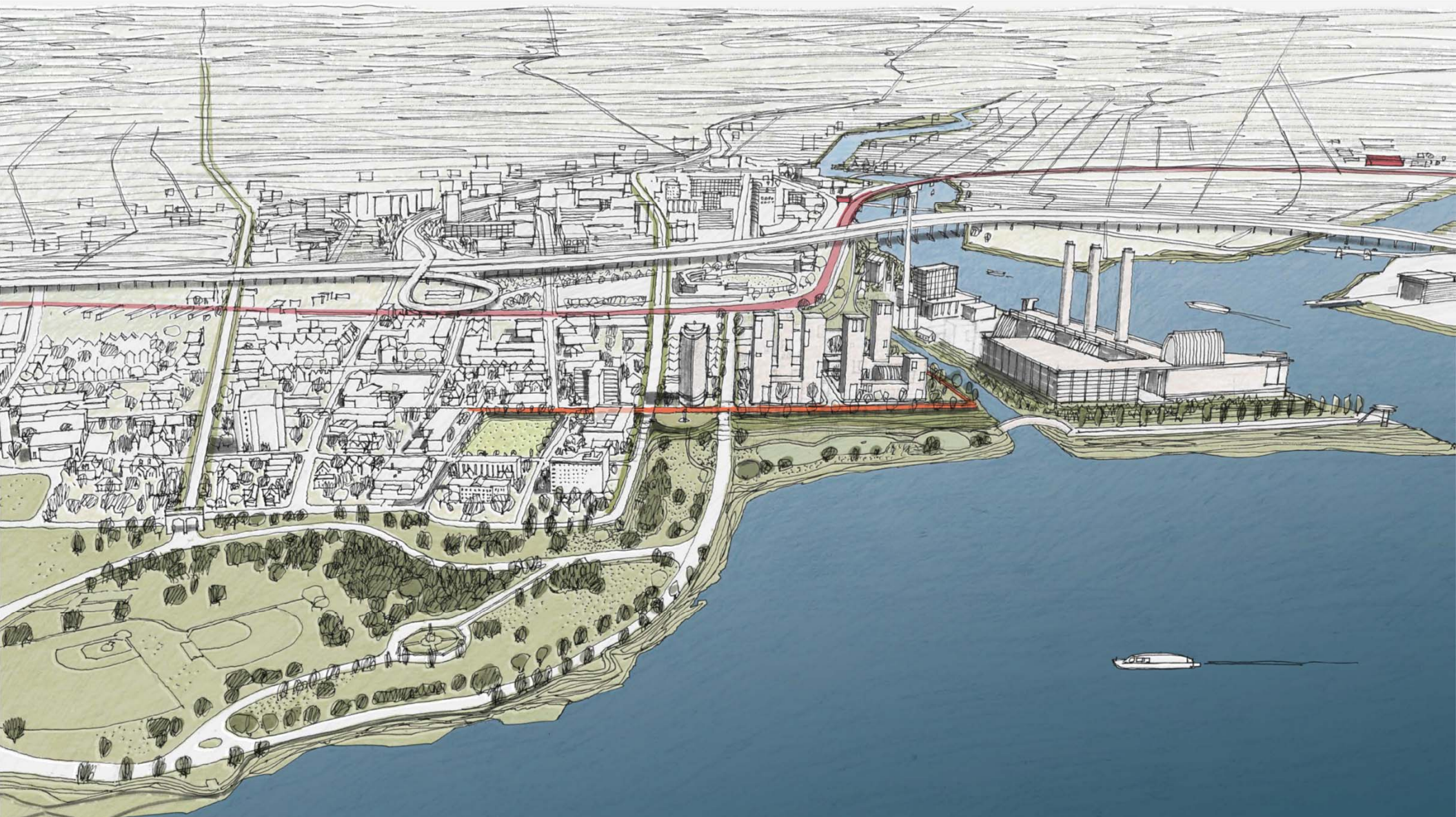
Phase 1

Phase 1 applicants that are not invited to continue to Phase 2, but which met all the requirements of the NOFA, are eligible to receive CDBG-DR funds totaling up to \$2.5 million (for applicants that are not current CDBG-DR grantees under P.L. 113-2) or \$500,000 (for current grantees under P.L. 113-2). HUD will award up to \$30 million of the total funding availability to such applicants. Any reserve pool funds not awarded at this stage will be allocated in a similar manner following Phase 2 to any applicants meeting the same criteria.

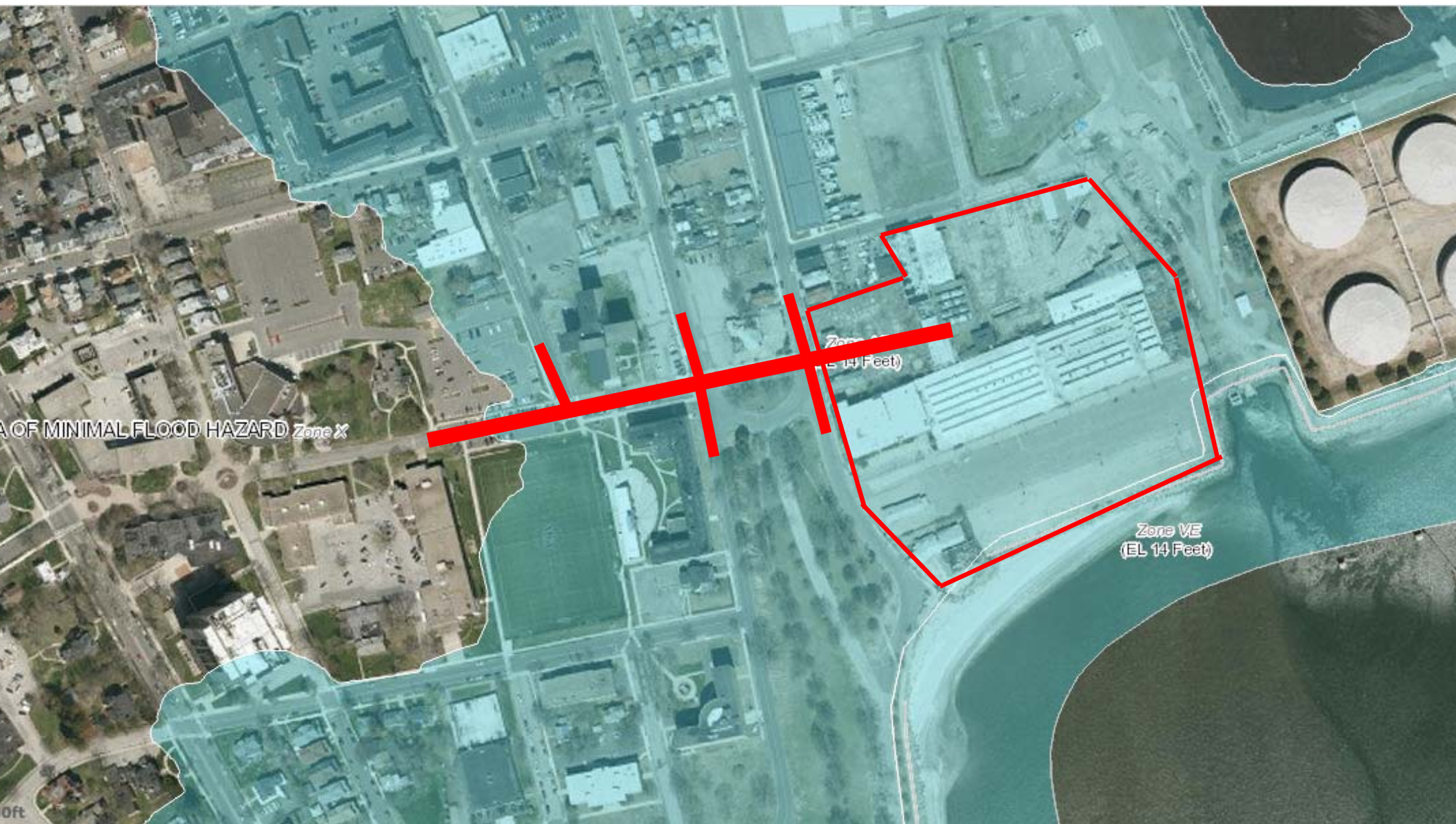
Phase 2

For Phase 2, the minimum award amount is \$1,000,000 and the maximum is \$500,000,000.

*Note: These dates are tentative and subject to change at HUD's discretion.



~\$54 MILLION AWARD



OF MINIMAL FLOOD HAZARD Zone X

Zone X
(EL 14 Feet)

Zone VE
(EL 14 Feet)

0ft





CONNECTICUT CONNECTIONS

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