

The Public Architect as City Builder

WE 203: The Public Architect as City Builder
Wednesday, April 26, 2017, 8:30am – 5:30pm
7.50 LUs/HSW/RIBA



AIA Conference on Architecture 2017
April 27–29, Orlando

This presentation is protected by U.S.
and international copyright laws.

Reproduction, distribution, display and
use of the presentation without written
permission of the speaker is prohibited.

This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to constitute approval, sponsorship or endorsement by the AIA of any method, product, service, enterprise or organization.

The statements expressed by speakers, panelists, and other participants reflect their own views and do not necessarily reflect the views or positions of The American Institute of Architects, or of AIA components, or those of their respective officers, directors, members, employees, or other organizations, groups or individuals associated with them.

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

Acknowledgements/Credits

(Optional)

Speakers List

- Lee Solomon, Deputy Director, New York City Housing Authority
- Ed Gauvreau, Chief, Planning Branch, Installation Support Division, HQ US Army Corps of Engineers (USACE).
- Michael Kaleda, Senior Vice President and Program Executive, MTA Capital Construction Company
- Michael Kelly, General Manager, New York City Housing Authority
- Margaret O'Donoghue Castillo, Chief Architect, NYC Department of Design and Construction
- Paul D. Smith, Portfolio Manager, NYC Department of Environmental Protection
- Deborah Goddard, Executive Vice President for Capital Projects, New York City Housing Authority

Course / Learning Objectives

- Attendees will have analytic and conceptual tools to evaluate and deploy the design and construction of infrastructure strategies. With these tools, Public Architects and Designers of Public Infrastructure will become key decision makers in complex funding environments, leveraging knowledge and understanding gained in this workshop in support of this very necessary subject matter expertise.
- Upon completion, participants will be able to identify main types of public and private issues and will be able to access tools and resources to evaluate and navigate through authorities having jurisdiction and stakeholders.
- Upon completion, participants will be able to describe the competing demands for infrastructure development and will have made connections to other design professional experiences from whom they can learn.
- At the end of this workshop, participants will have helped to establish criteria to evaluate the viability of infrastructure project strategies, and hence for defining the role of design professionals.
- Upon completion, participants will have information necessary to shape decision-making to serve in creating the highest quality and best value public realm.



The Public Architect as City Builder

DDC: Design and Construction Excellence 2.0

City of New York

Department of
Design and Construction

Dr. Feniosky Peña-Mora
Commissioner

Margaret O'Donoghue Castillo, FAIA, LEED AP
Chief Architect



451

Active infrastructure
portfolio

481

active public buildings
portfolio

1280

in-house workforce

1132

consultant workforce

**\$10
billion**

current portfolio
value

**\$17
billion**

expected by
2020

**\$15
billion**

completed since 1996

**4.4
million**

job hours
per year

200+

awards won
since inception

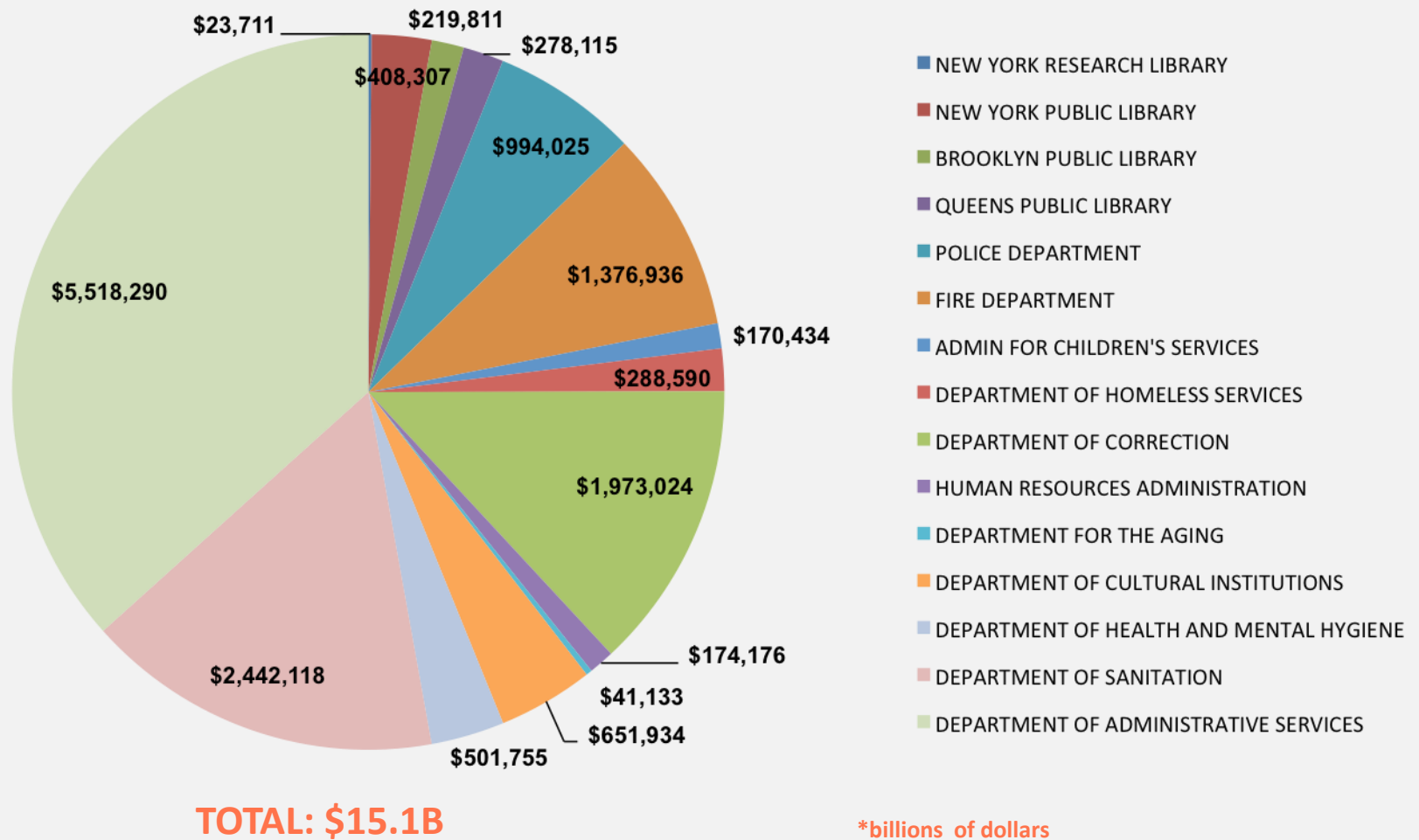
3924

projects completed
since 1996

as of October 19, 2015

**NYC
DOC**



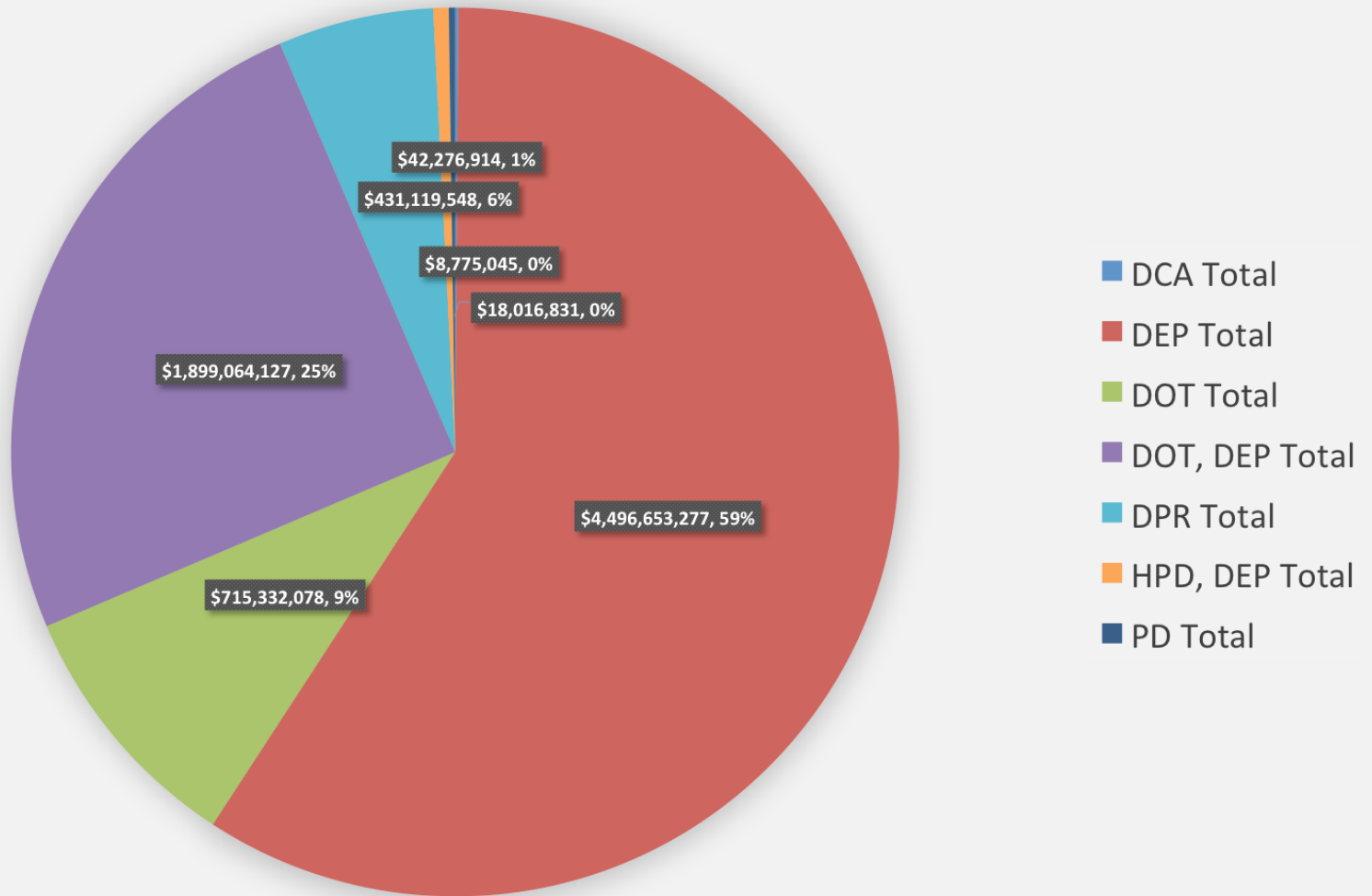


Citywide 10-Year Plan for DDC Client Agencies – Public Buildings



A'17

AIA Conference on Architecture 2017
April 27–29, Orlando



Citywide 10-Year Plan for DDC Client Agencies – Infrastructure



OFFICE OF THE CHIEF ARCHITECT

OUTREACH

Strategic
Initiative Specialists

DESIGN ADVOCACY

Design Liaisons

COLLABORATION

Interagency Relations



A'17

AIA Conference on Architecture 2017
April 27–29, Orlando

Design and Construction Excellence 2.0 **Guiding Principles**

NYC
D&C Department of
Design and
Construction

Bill de Blasio
Mayor

Dr. Finkley DePa-More
Commissioner

Equity

Sustainability

Resiliency

Healthy Living

Healthy Living

Montefiore Square Park



Growth

Times Square



Resiliency

Eastside Coastal
Resiliency Initiative



Sustainability

Rescue Company 2



Equity

East Flatbush Library



DDC: Guiding Principles



EQUITY

*Design can create equitable spaces that **convey a sense of welcome to all** while improving **access to essential services** and places of work, socialization, recreation and culture, especially in underserved neighborhoods. Extraordinary design can harness latent local qualities, turning **serviceable projects into magnetic and catalytic ones for all.***

—Design and Construction Excellence 2.0
Guiding Principles, March 2016

NYC
DOC

A'17

AIA Conference on Architecture 2017
April 27–29, Orlando



Taxi and Limousine Commission Inspection Facility (before)



Taxi and Limousine Commission Inspection Facility

TEN Arquitectos



SUSTAINABILITY

The City has set a high bar, pledging a reduction in greenhouse gas emissions of 80 percent from 2005 levels by 2050, and reducing commercial waste 90 percent by 2030 – with municipal buildings leading the way.

—Design and Construction Excellence 2.0
Guiding Principles, March 2016

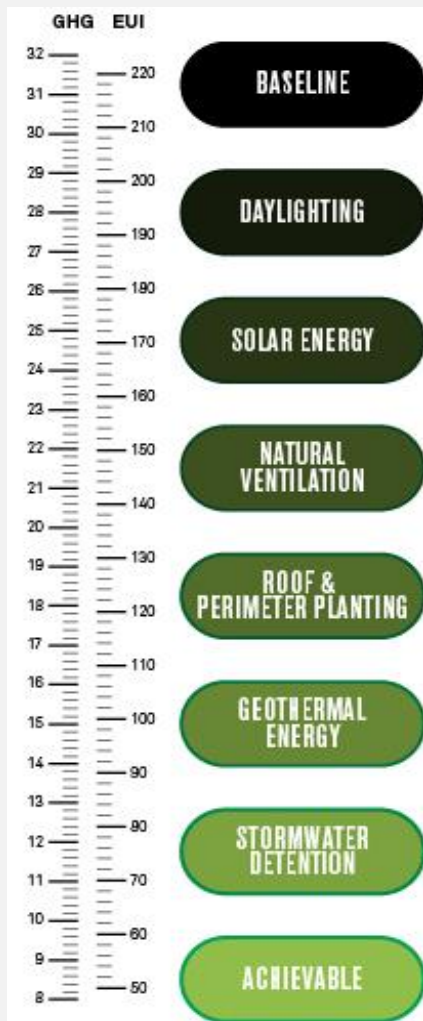




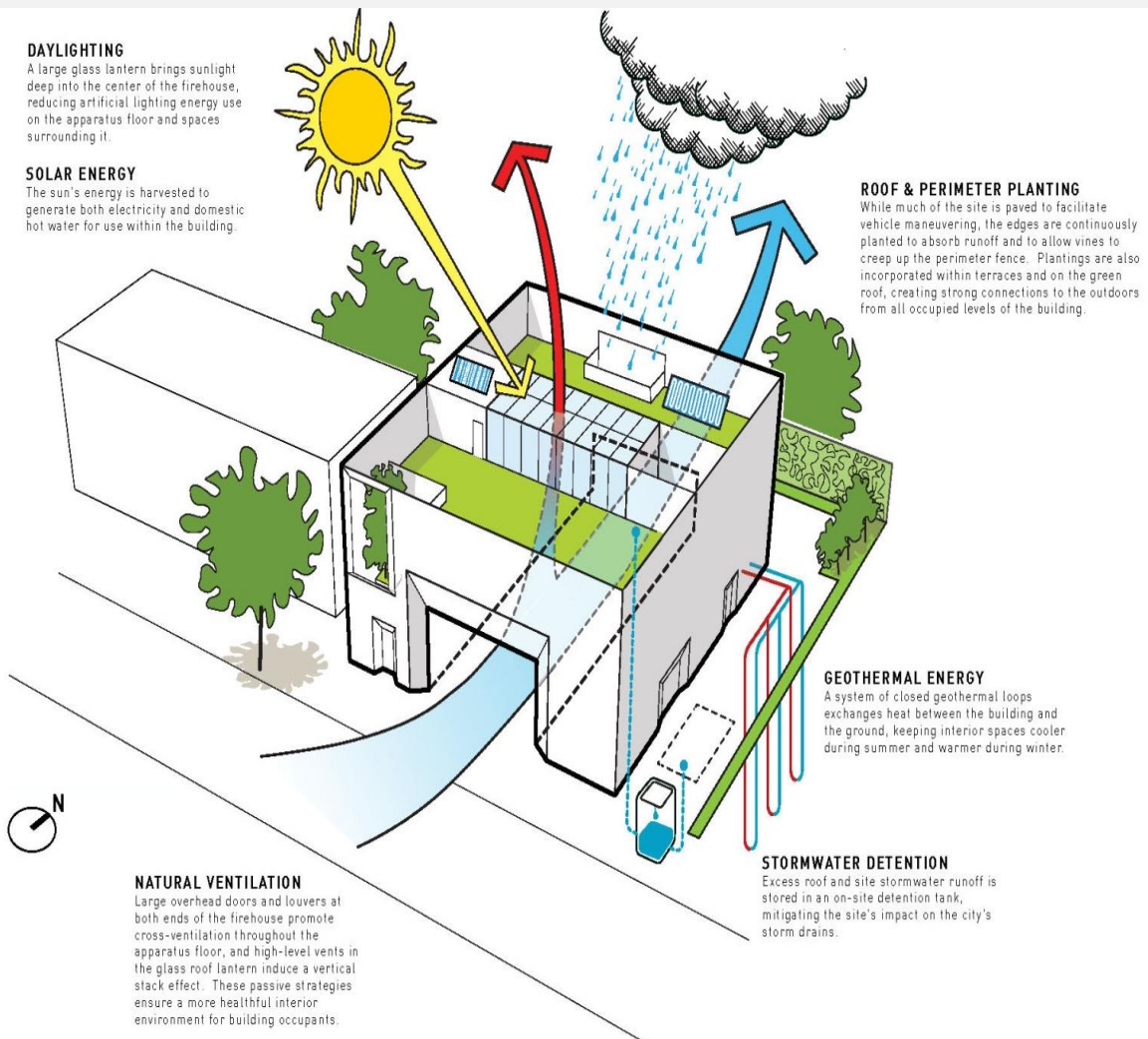
FDNY Rescue Company 2

Studio GANG





Simulated.
Not Actual.



FDNY Rescue Company 2

Studio GANG



RESILIENCY

*Resiliency means preparing the City's public buildings and infrastructure to **maintain service, and rapidly rebound from extreme events**—needs Superstorm Sandy demonstrated. Design can not only make us safe, but can also build communities, enhance neighborhoods and invite investment. Well-coordinated tactics that can evolve and adapt over time will achieve robust buildings, infrastructure, neighborhoods and services.*

—Design and Construction Excellence 2.0
Guiding Principles, March 2016





22

East Side Coastal Resiliency

AKRF, Bjarke Ingels Group



A'17

AIA Conference on Architecture 2017
April 27-29, Orlando



East Side Coastal Resiliency

AKRF, Bjarke Ingels Group



A'17

AIA Conference on Architecture 2017
April 27–29, Orlando

HEALTHY LIVING

“With Healthy Living as a Guiding Principle, DDC widens its lens, encouraging its design teams to think about aspects in the built environment that aid mental health. Additionally, we continue to support design that can encourage – and even make pleasurable – active lifestyles.”

— from Design and Construction Excellence 2.0
Guiding Principles, March 2016



A'17

AIA Conference on Architecture 2017
April 27–29, Orlando



Elmhurst Library (before)





Elmhurst Library (after)

Marpillero Pollak Architects



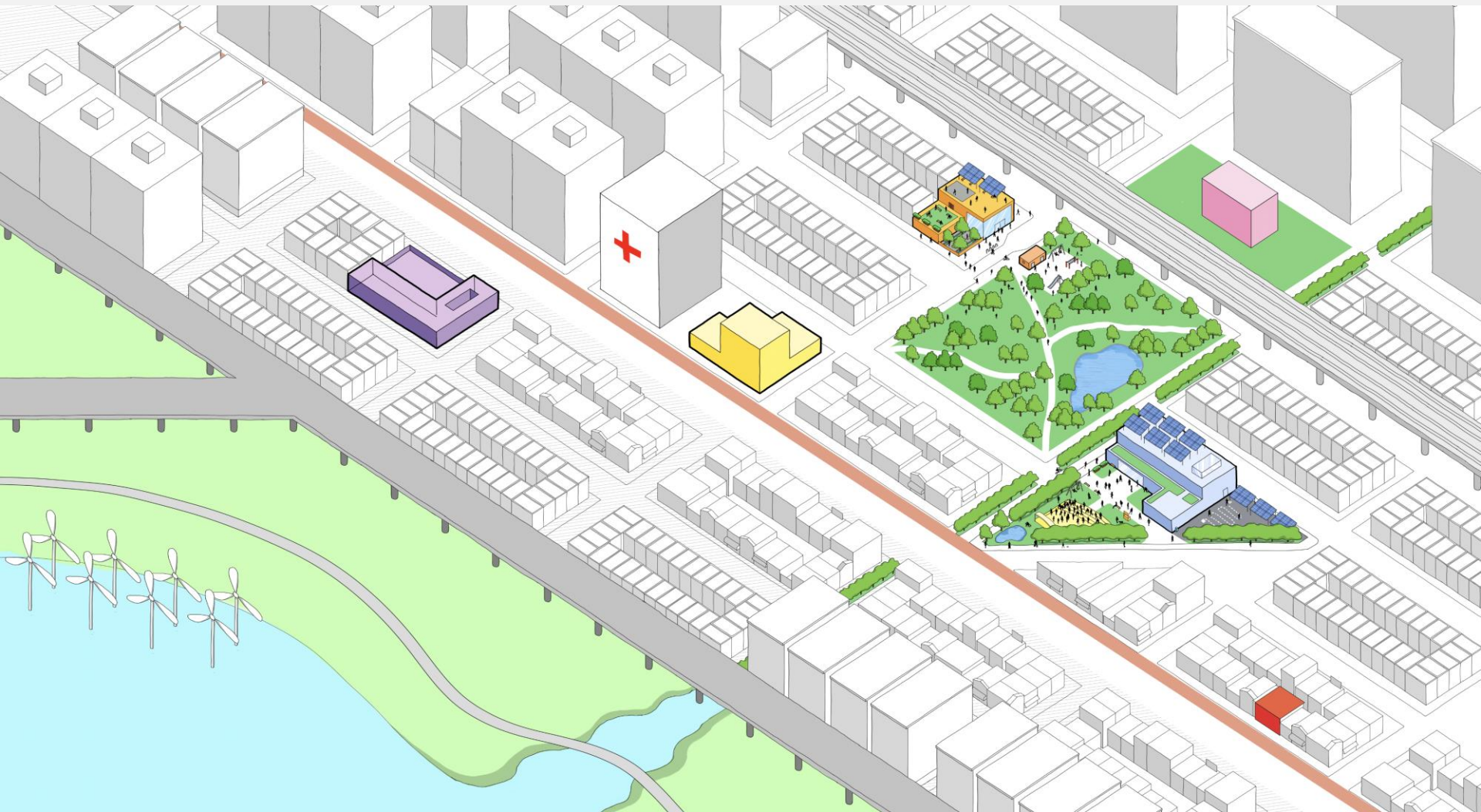
A'17

AIA Conference on Architecture 2017
April 27-29, Orlando



Elmhurst Library, Queens, NY
Marpillero Pollak Architects





Neighborhood Integration Opportunities





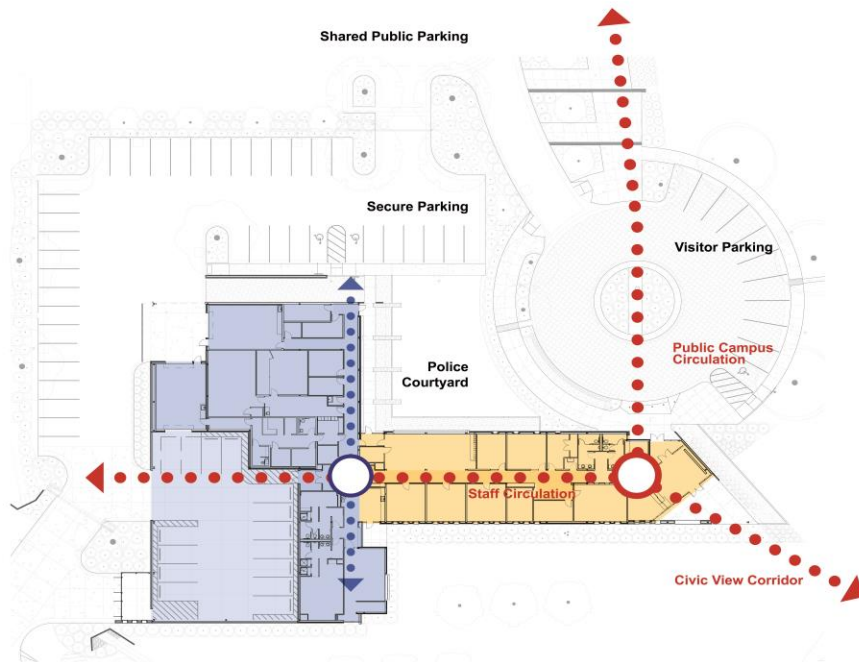
121st Precinct, Staten Island, NY

Rafael Viñoly Architects



A'17

AIA Conference on Architecture 2017
April 27-29, Orlando



Immediate Context Site Plan



Integration With Existing Public Plaza

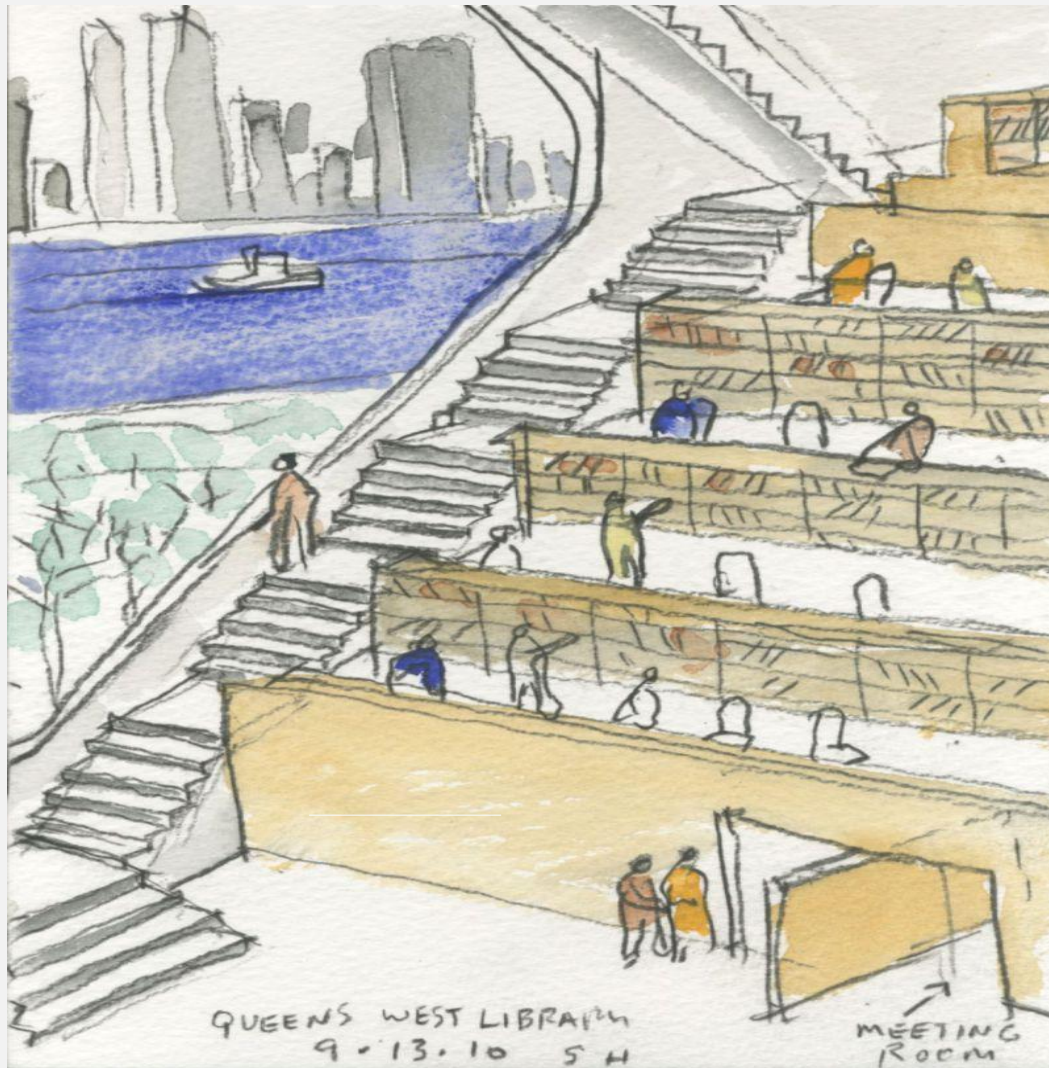


Police Operations Building

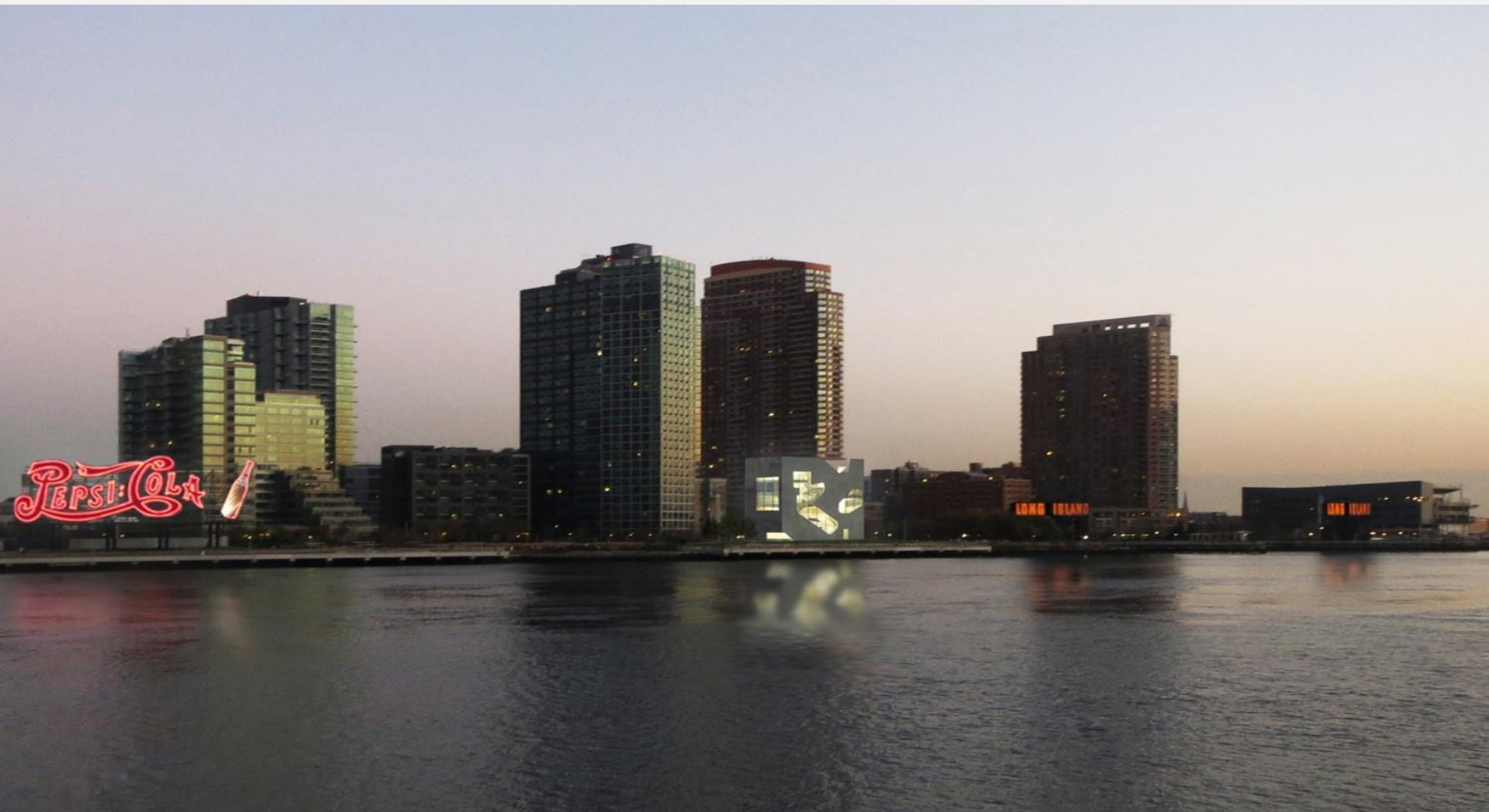
Roth Sheppard Architects



Koban Klein, Kumamoto City, Japan
Dytham Architecture



Hunters Point Library, Queens NY
Steven Holl



Hunters Point Library, Queens NY

Steven Holl

NYC
DOC

A'17 AIA Conference on Architecture 2017
April 27–29, Orlando



Lawrence Public Library Renovation and Expansion, Kansas

Gould Evans - Architecture



A'17

AIA Conference on Architecture 2017
April 27-29, Orlando



Dokk1 Aarhus, Denmark
Schmidt Hammer Lassen Architects





Superkilen Park, Copenhagen



37

East River Waterfront Esplanade, New York

SHoP Architects and Ken Smith, Landscape Architect



A'17 AIA Conference on Architecture 2017
April 27-29, Orlando



Brooklyn Bridge Park, Brooklyn, NY
Michael Van Valkenburgh Associates



Site Design Opportunities

Identifies tactics that make the most of the spaces around the building to extend the effectiveness of the facility beyond the building walls and engage the community.



121st Precinct, Staten Island
Rafael Viñoly Architects





40th Precinct, Bronx, NY

Bjarke Ingels Group





Hollenbeck Station, Los Angeles, CA
AC Martin





Glen Oaks Library
Marvel Fairbanks





Delft University, Netherlands
Mecanoo Architects



A'17 AIA Conference on Architecture 2017
April 27-29, Orlando



Westchester Square Library | Atelier Ten, Engineers | Bronx, NY



A'17 AIA Conference on Architecture 2017
April 27-29, Orlando



Far Rockaway Streetscape (before)



Far Rockaway Streetscape

W Architecture and Landscape Architecture



A'17 AIA Conference on Architecture 2017
April 27–29, Orlando



Tasinge Plads, Copenhagen



Cloudburst Plaza 10 Year Rain Event

Disconnect from Sewage



Permeable Paving

Load-bearing Substrate

Water Storage Boxes

Filtration Layer

Sub-soil

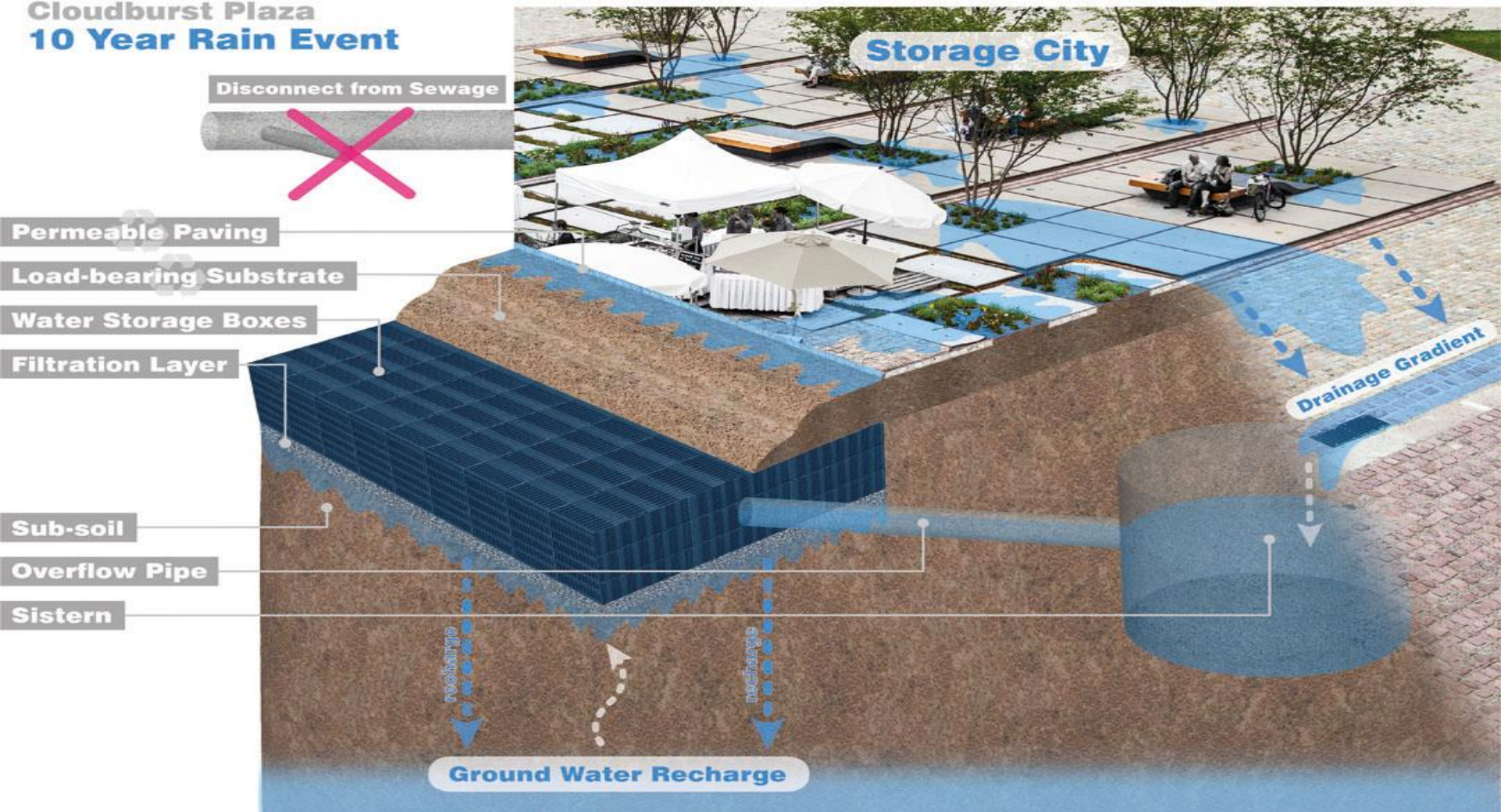
Overflow Pipe

Sistern

Storage City

Drainage Gradient

Ground Water Recharge



Tasinge Plads, Copenhagen

NYC
DOC

Building Design Opportunities

Design measures at the scale of the building can provide an appealing environment that invites use by everyone. Optimizing the design for energy can also make facilities more comfortable and appealing. Building design can aid health, and assure flexibility for evolving use.



AIA Conference on Architecture 2017
April 27–29, Orlando



40th Precinct, Mott Haven

Bjarke Ingels Group



What would you like to see the **precinct** do for you?

What would you like it to do for the **community**?

In the **ideal** world what would you like to see?



40th Police Precinct

Percent for Art Community Engagement, Borinquen Gallo

**NYC
DOC**

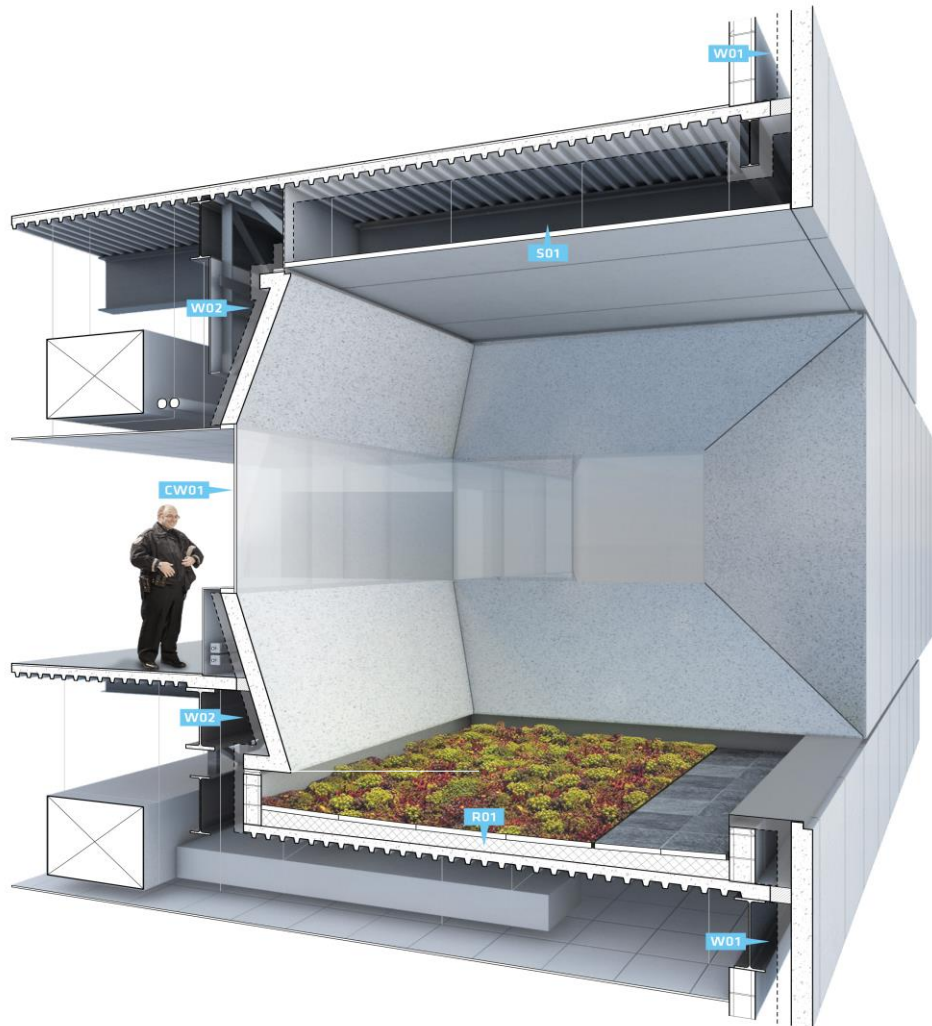
A'17

AIA Conference on Architecture 2017
April 27-29, Orlando

Welcome Openness Understanding
Community **Civility** Protection
Respect Courteous **Security** Bully-free
Transparency Health Dignity
Cleanliness **Communication** Order
Friendliness Education Morality

40th Police Precinct
Percent for Art Community Engagement, Borinquen Gallo

NYC
DOC



40th Precinct, Mott Haven

Bjarke Ingels Group





40th Precinct, Bronx, NY

Bjarke Ingels Group





East Flatbush Public Library (before)

Roger C. Lewis, AIA

NYC
DOC

A'17

AIA Conference on Architecture 2017
April 27-29, Orlando



East Flatbush Public Library

LEVENBETTS

NYC DOC

A'17 AIA Conference on Architecture 2017
April 27-29, Orlando



East Flatbush Public Library





East Flatbush Public Library with Parklet





Pearl Street Triangle, Brooklyn, NY

NYC
DOC



Diversity Plaza, Queens, NY
Michael W Architecture and Landscape Architecture





Times Square



A'17 AIA Conference on Architecture 2017
April 27–29, Orlando

Questions for Public Architect Presentation:

1. Does your organization or Agency have similar Guiding Principles?

Yes or No

Questions for Public Architect Presentation:

2. For those organizations that have Guiding Principles or Guidelines, to what extent has it shaped the outcomes of your planning, design, and construction processes?

- a. Greatly
- b. Moderately
- c. Some influence
- d. Neutral
- e. Processes are at odds with mission statement

Questions for Public Architect Presentation:

3. Has your organization or agency reached out to the public to explain your mission, goals and aspirations? And if so, how has it been received?

Part 1. – yes or no

Part 2

- a. Great support
- b. Moderate support
- c. Limited support
- d. Neutral
- e. Not receptive or supportive
- f. Unaware of initiative
- g. Processes are at odds with mission statement



WEB:

www1.nyc.gov/site/ddc/about/guiding-principles.page

EMAIL:

GuidingPrinciples@ddc.nyc.gov

A'17

AIA Conference on Architecture 2017
April 27–29, Orlando