

N210095ZRY CPC Post-Hearing – Feb 16, 2021

# Zoning for Coastal Flood Resiliency

# **Post-Hearing Agenda**

Zoning and Non-Zoning Topics

# **Zoning Topics**

- 1) Future Floodplain + Future Maps
- 2) Historic Districts & Special Districts
- 3) New vs. Existing Buildings (height and floor area regulations)
- 4) Permitted Obstructions (mechanical equip.)
- 5) Power systems
- 6) Vulnerable Populations

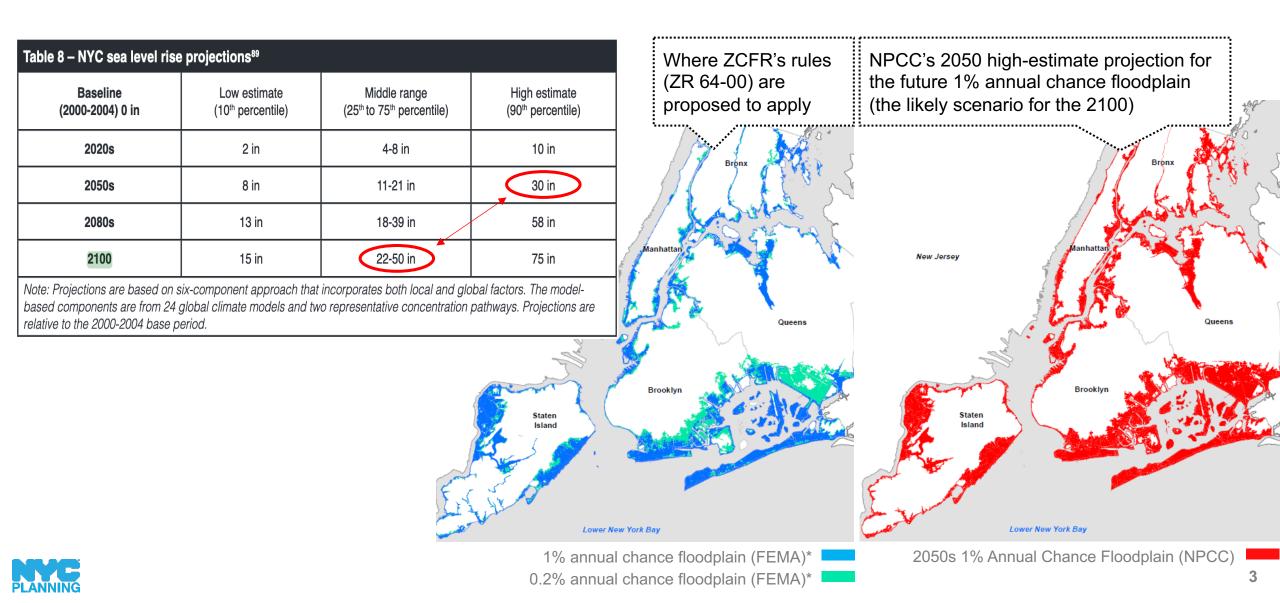
# **Non-Zoning Topics**

7) Green Infrastructure



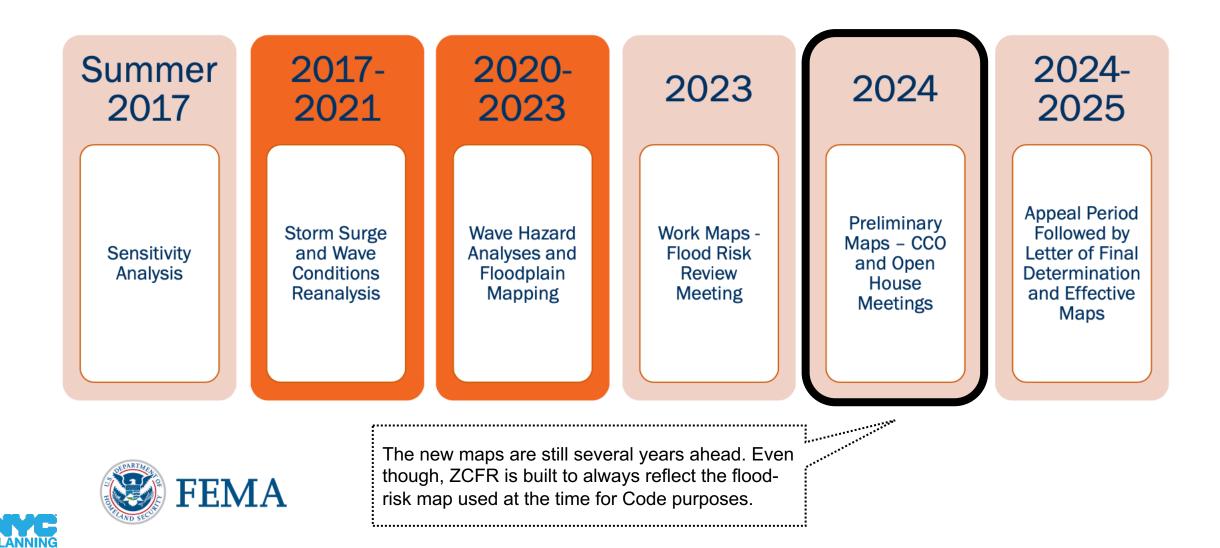
Future Floodplain

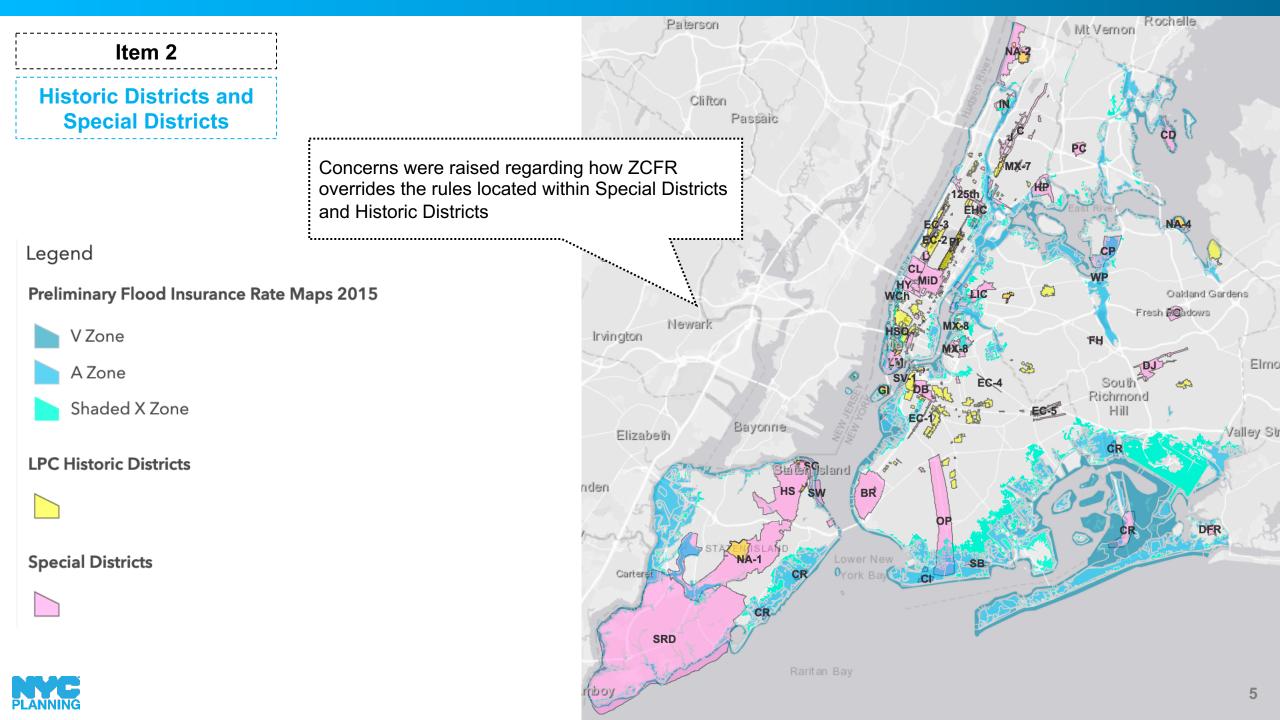
The Municipal Arts Society suggested that the expansion area should reflect the 2080's projected 1% floodplain, to better reflect the usable lifespan of buildings.



Item 1 Future Maps

One Board in the Bronx had a specific comment that suggested that FEMA's update to the FIRMs will occur in *less than one year* and therefore the proposal is premature.

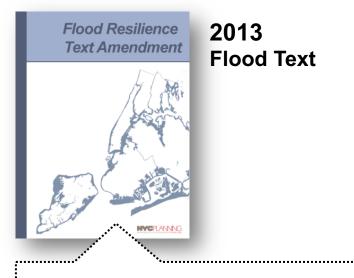




#### Item 2

#### **Historic Districts**

Manhattan CBs, the BPO and MAS, questioned the fact that ZCFR supersedes Historic District's regulations and suggested that building within these areas should be subject CPC's approval.



Rules contained within Article VI of the Zoning Resolution already supersede Historic District regulations, therefore the proposal is consistent with how the ZR is structured.

### LPC Regulatory Jurisdiction:

"Every designated structure, whether it is an individual landmark or a building in a historic district, is protected under the Landmarks Law and subject to the same review procedures.

Any minor work or alterations to a building [with the exception of ordinary repairs and some interior alterations], must obtain the Commission's approval before beginning work. (...)

Alterations such as raising window and door openings, interior floors or entire buildings always requires LPC review, possibly at a Public Hearing."

Source: West Chelsea Report, NYC Department of City Planning



#### Item 2

#### **Historic Districts**

OD-RESISTANT CONSTRUCTIO

Manhattan CBs, the BPO and MAS, questioned the fact that ZCFR supersedes Historic District's regulations and suggested that building within these areas should be subject CPC's approval.

#### NYC Building Code:

Projects that receive approval from the LPC and/or the NYS Historical Preservation Office that trigger Appendix G compliance can pursue a variance with the BSA in case the repair or rehabilitation poses a conflict with the preservation of the historic character and design of the structure

**G107.1 General.** The Board of Standards and Appeals shall hear and decide requests for variances from the requirements of this appendix. The Board of Standards and Appeals shall base its determination on technical justifications, and has the right to attach such conditions to variances as it deems necessary to further the purposes and objectives of this appendix.

#### G107.2 Conditions for variance.

**G107.2.1** Historic structures. The Board of Standards and Appeals is authorized to issue a variance for the repair or rehabilitation of a historic structure provided that:

- 1. The application has received approval from the Landmark Preservation Commission and/or the New York State Historical Preservation Office, as applicable;
- 2. The proposed repair or rehabilitation will not preclude the structure's continued designation as a historic structure; and
- 3. The variance is the minimum necessary to preserve the historic character and design of the structure.

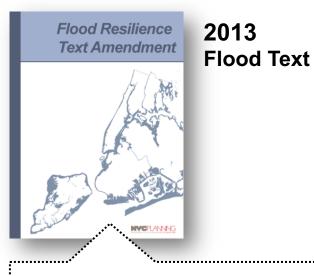


# NYC Building Code

Appendix G

Appendix G already provides a discretionary pathway to buildings within Historic Districts.

Item 2 Special Districts Manhattan CBs, the BPO and MAS, as well as one Board in the Bronx, and the Riverdale N. Preservancy, questioned the fact that ZCFR supersedes Special District's regulations, with some suggestions that building within these areas should be subject CPC's approval.



Rules contained within Article VI of the Zoning Resolution already supersede Special District regulations, therefore the proposal is consistent with how the ZR is structured.

#### The Bronx

- ✓ City Island
- ✓ Special Natural Area District (SNAD)
- ✓ Harlem River Waterfront
- ✓ Hunts Point

## Brooklyn

- Bay Ridge
- ✓ Coney Island
  Mixed Use
- ✓ Coney Island
- ✓ Ocean Parkway
- ✓ Sheepshead Bay

### Manhattan

- ✓ East Harlem Corridors
- ✓ Inwood
- ✓ Hudson River Park
- ✓ Battery Park City
- Governors Island
- ✓ Manhattanville Mixed Use
- ✓ Clinton
- ✓ Hudson Yards
- ✓ West Chelsea
- ✓ Tribeca Mixed Use
- ✓ Hudson Square
- ✓ Lower Manhattan

## Queens

- ✓ Downtown Far Rockaway
- ✓ SNAD
- ✓ Long Island City Mixed Use
- ✓ Southern Hunters Point
- ✓ College Point
- ✓ Willets Point

## **Staten Island**

- ✓ Bay Street
- ✓ SNAD
- ✓ South Richmond Development
- ✓ Stapleton Waterfront
- ✓ St. George

Included within the 2013 Flood Text Being included within the ZCFR Text



#### Item 2

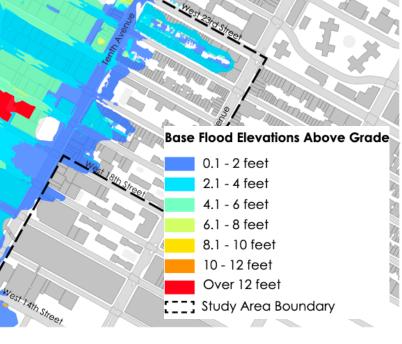
#### Special Districts: SWCD

#### 98-02 General Provisions

LAST AMENDED 10/10/2013 🥑 HISTORY 🛓 🙆

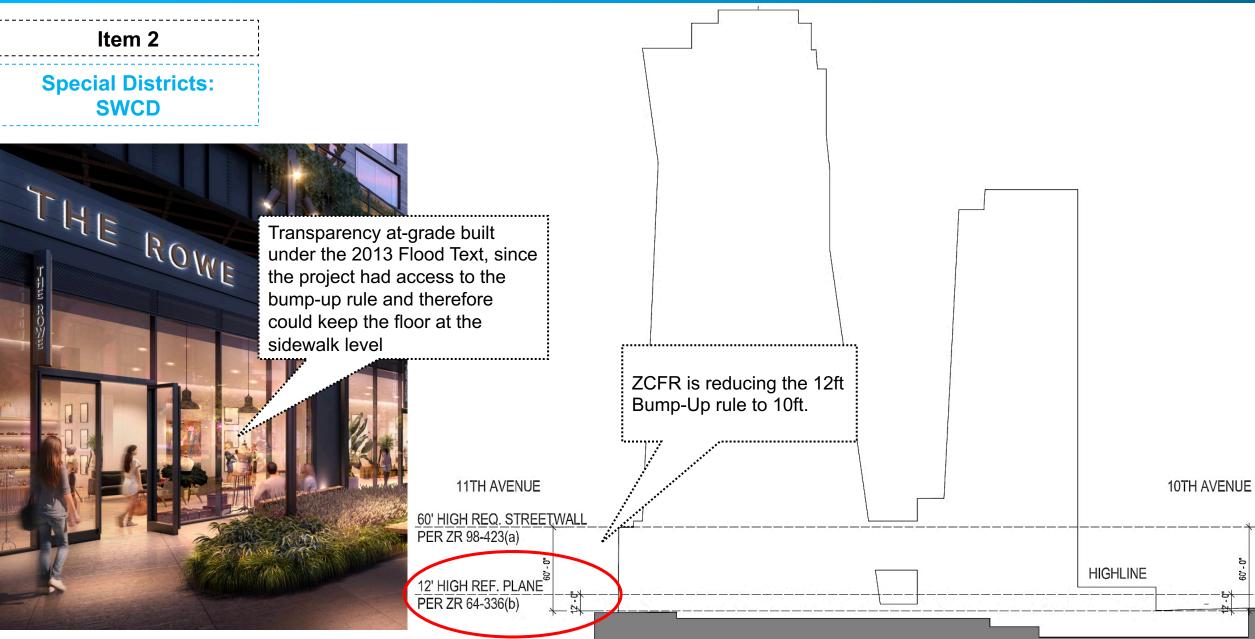
The provisions of this Chapter shall apply to any *zoning lot*, or portion thereof, within the *Special West Chelsea District*, except that the provisions of Sections 98-11 (Special Regulations for Developments and Enlargements Above, Beneath or Adjacent to the High Line) and 98-16 (Air Space Over a Railroad or Transit Right-of-way or Yard) shall also apply to any *zoning lot* south of the *Special West Chelsea District* over which the *High Line* passes. The regulations of all other Chapters of this Resolution are applicable, except as superseded, supplemented or modified by the provisions of this Chapter. In the event of a conflict between the provisions of this Chapter shall control. However, in *flood zones*, in the event of a conflict between the provisions of Article VI, Chapter 4 (Special Regulations Applying in Flood Hazard Areas), the provisions of Article VI, Chapter VI, Chapter 4, shall control.

The 2013 Flood Text already applies within the Special West Chelsea District. Since BFE levels are high in the neighborhoods, the current regulations already provide height allowances in the form of the Bump-Up regulations and floor area exemptions that are actually greater than what will be included within ZCFR in this area.

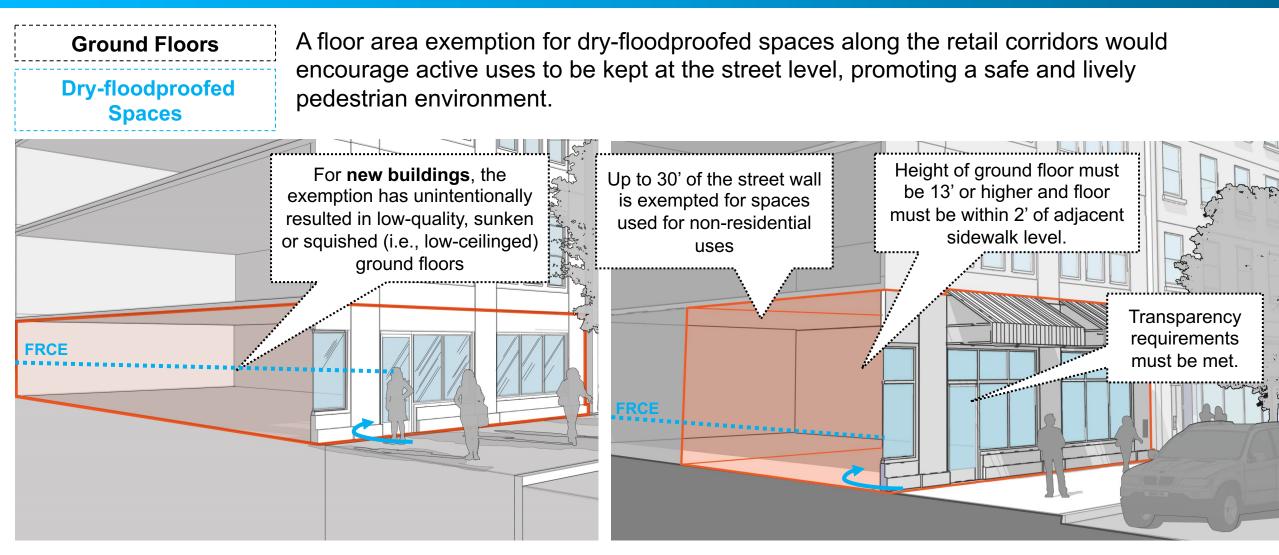




Base Flood Elevations Above Grade

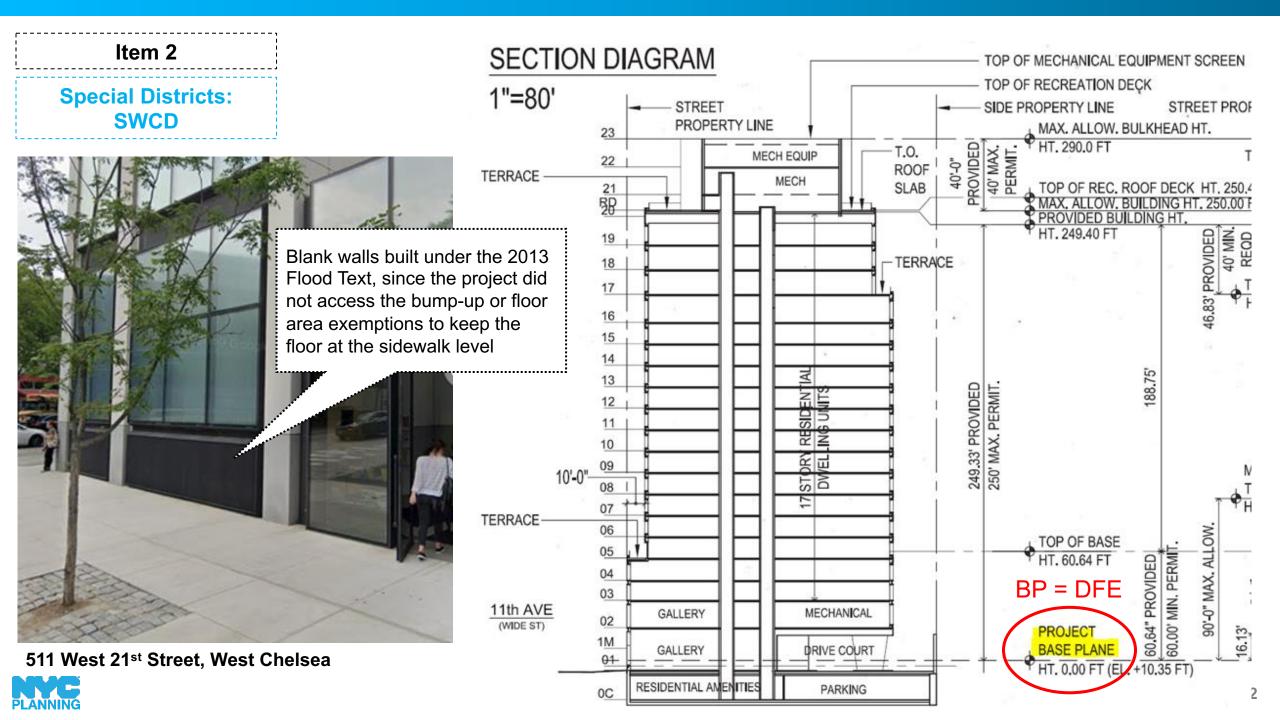


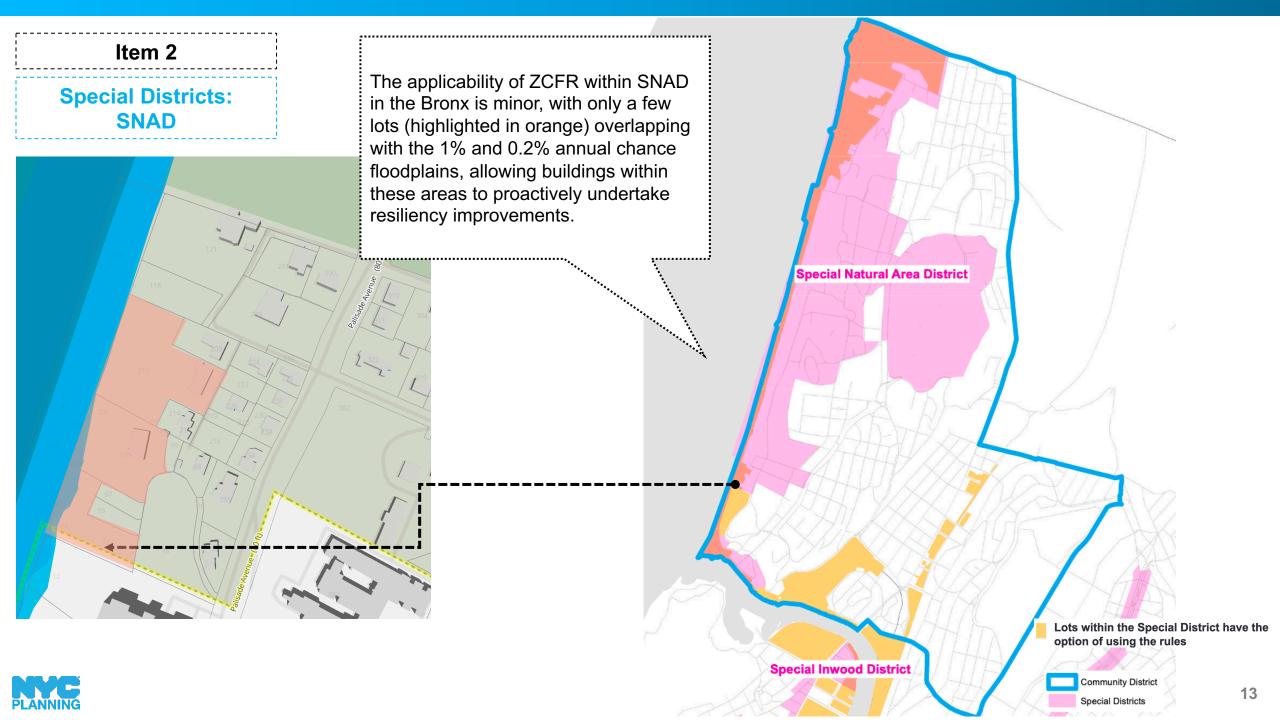
76 11<sup>th</sup> Avenue, West Chelsea



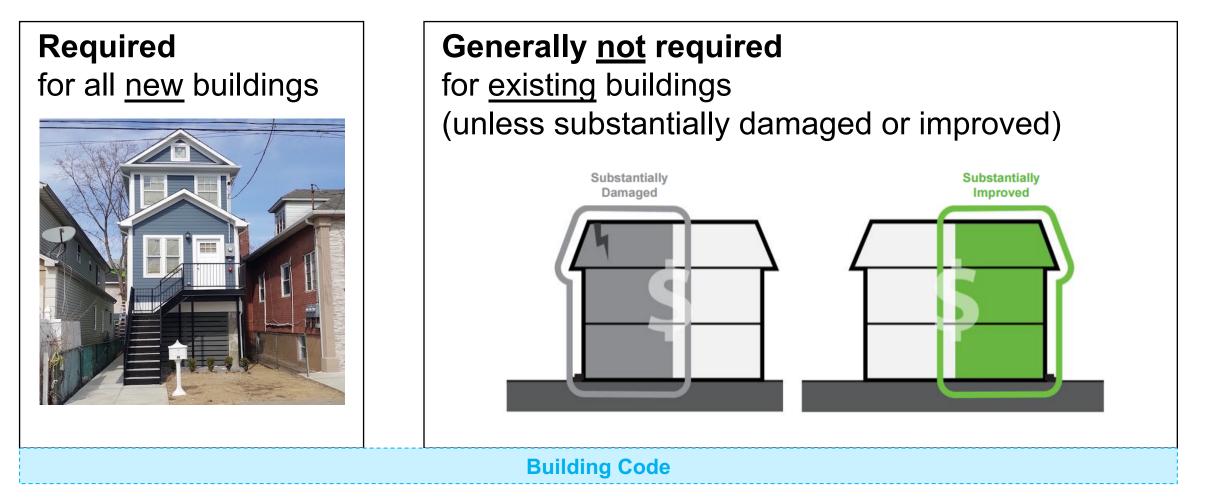
**2013 Flood Text:** allows the entire ground floor to be exempted if the space is considered a "cellar"

**Proposed Rule:** allows a **portion of the ground-floor** to be exempted without regard to the FRCE level for **new and existing buildings**, provided that certain design conditions are met (spaces will <u>not</u> be considered "cellars")

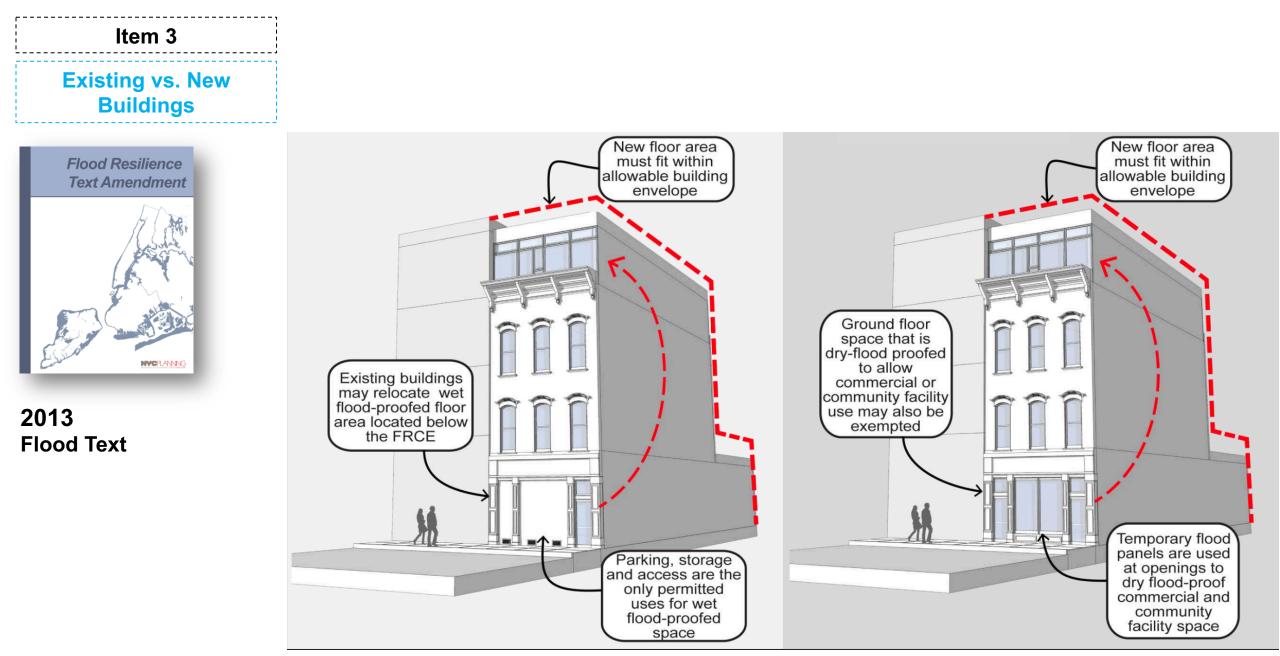




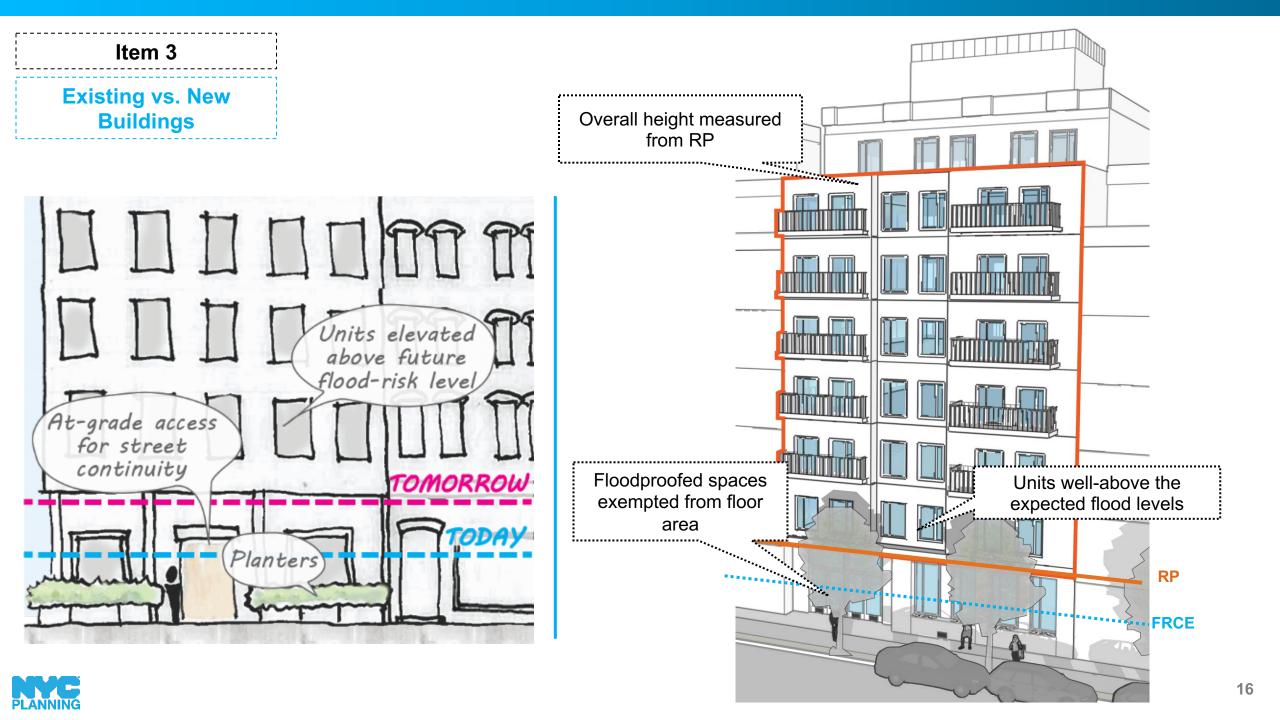
Item 3 Existing vs. New Buildings Manhattan CBs, the BB and BP had recommendations to provide a different treatment for new and existing buildings (modify height and floor area exemptions to ultimately reduce these allowances in new developments).

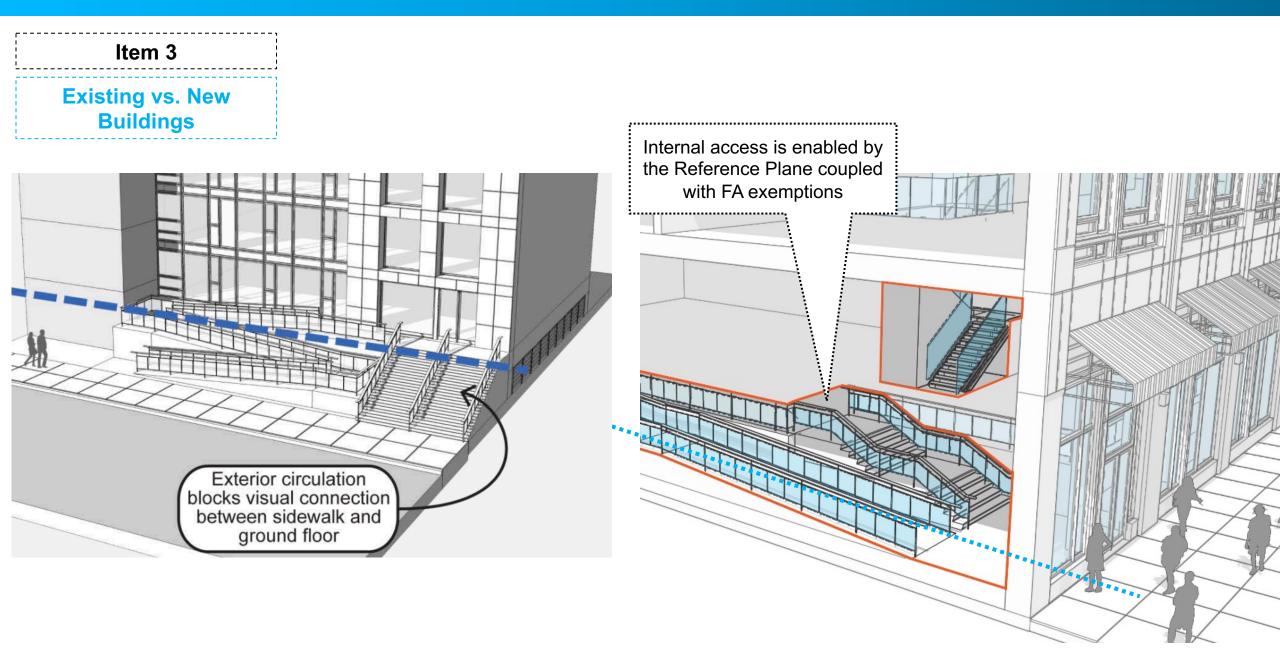






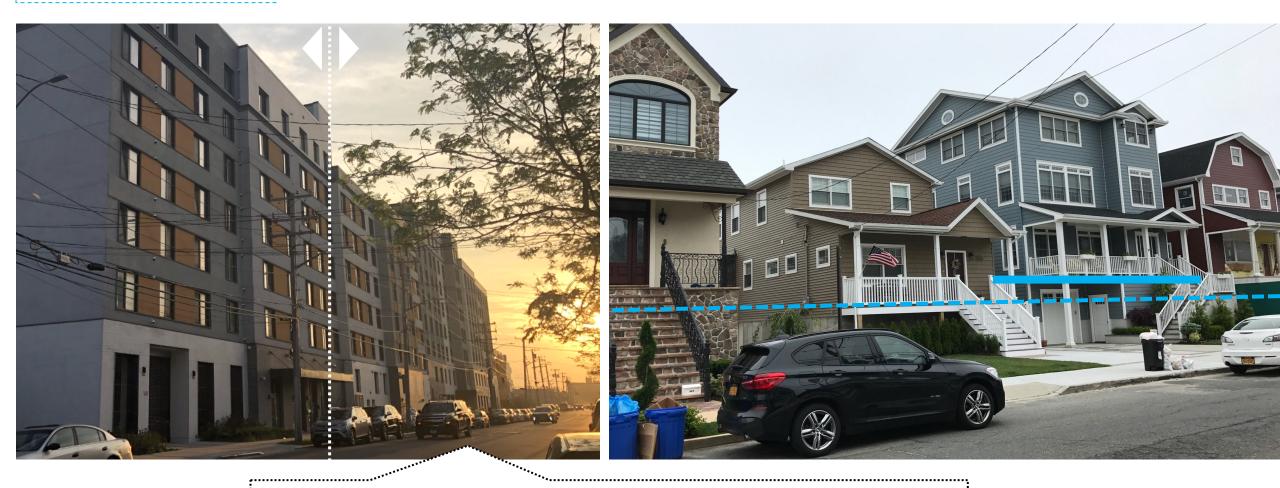






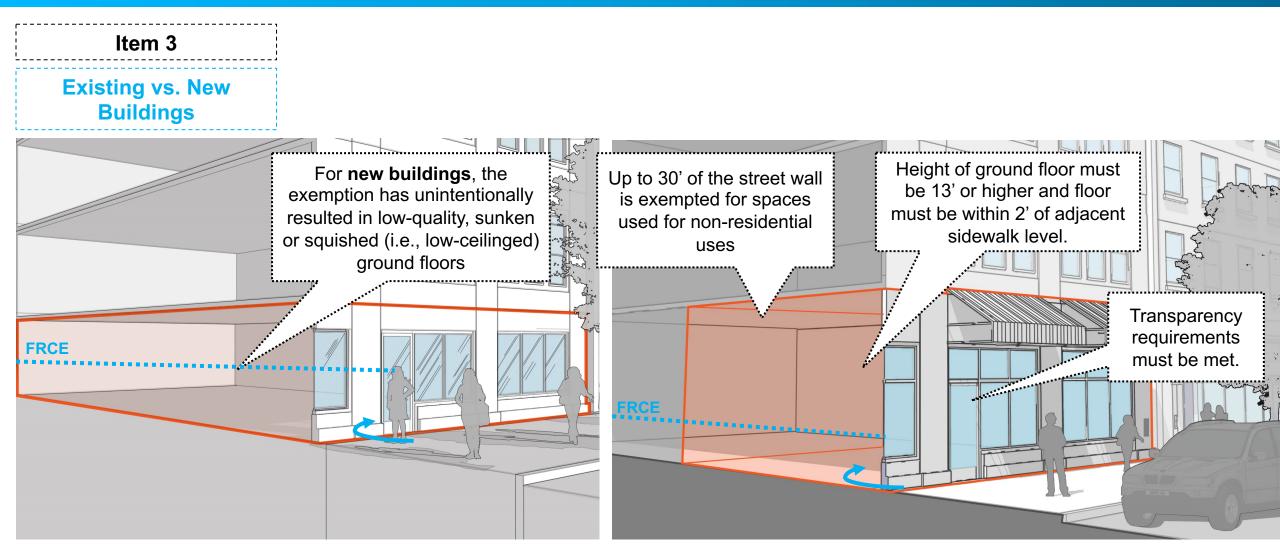


Item 3	]
Existing vs. New	
Buildings	



Additional height and floor area exemptions vary today by the flood level, leading to unintended outcomes, sometimes even along the same street

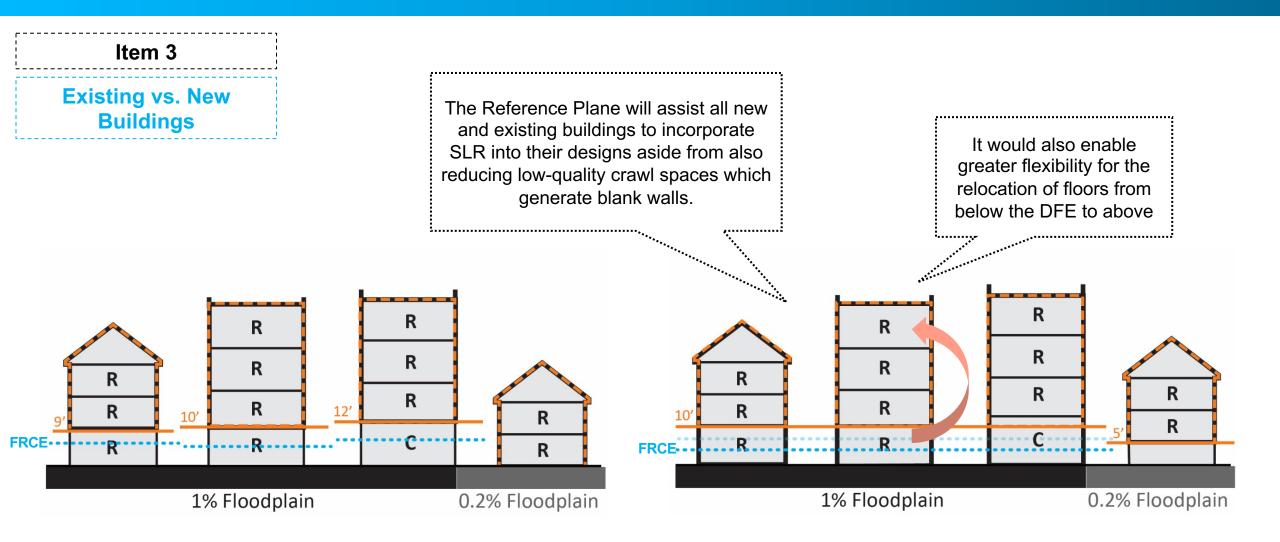
Item 3	
Existing vs. New Buildings	
	<u>Flood Plain</u>
ZCFR's proposal is consistent with rules that have been in place in the past 3 decades for height and floor area	Several architects and residents of waterfront communities raised
· · · · · · · · · · · · · · · · · · ·	concerns about the impact of the proposed height and setback
**************************************	regulations in flood plain areas. As a result, for areas where a
	flood plain is above the finished adjoining grade, the amendment
	was revised to measure building perimeter wall, roof and cellar
	heights from the flood plain rather than the adjoining grade. The
	objective of this change was to remove an unintended restriction
	on achieving permitted floor area in areas prone to flooding.
PLANNING	19



**2013 Flood Text:** allows the entire ground floor to be exempted if the space is considered a "cellar"

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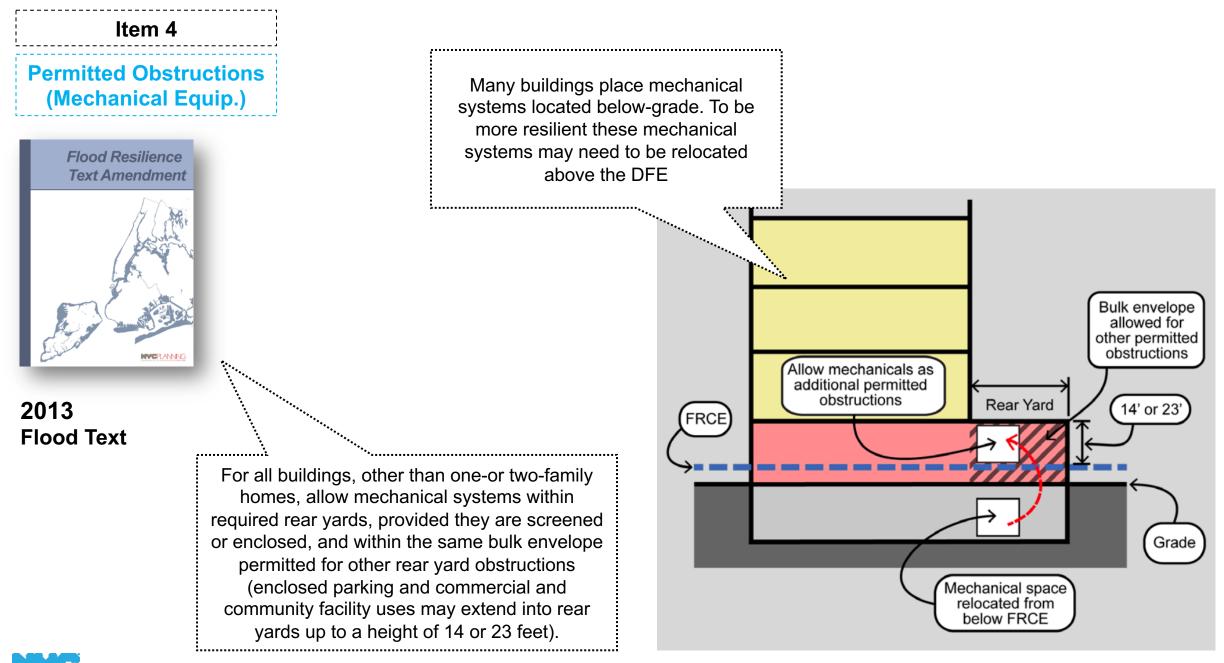


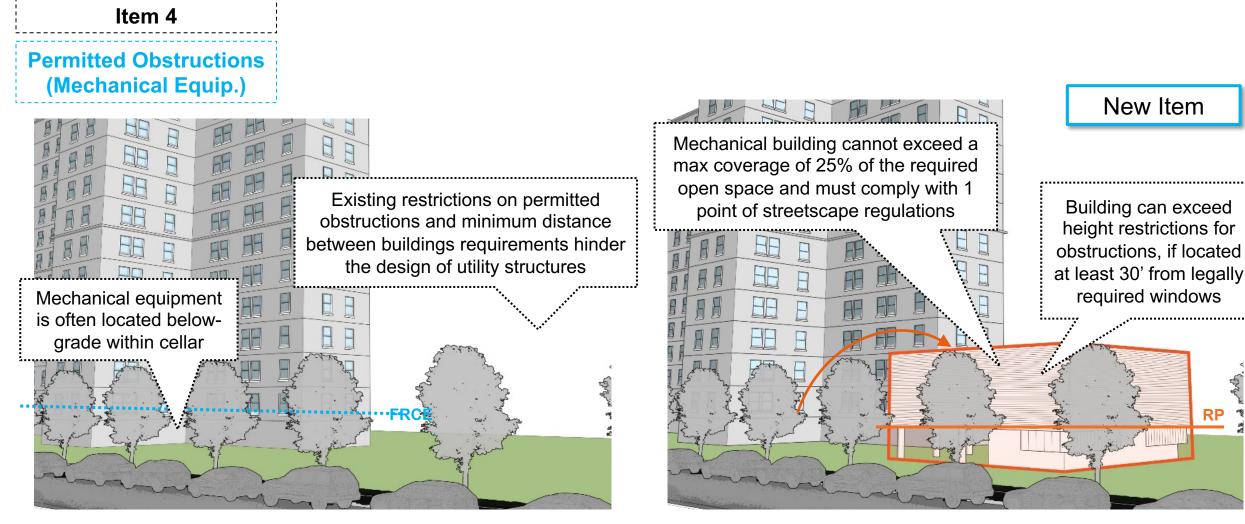


**2013 Flood Text:** allows building height to be measured from a reference plane located at 9', 10' or 12' depending on the building's use and zoning district

**Proposed Rule:** allows building height to be measured from a Reference Plane located at **max 10' or 5' above grade** (in the 1% and 0.2% floodplains, respectively)







**2013 Flood Text:** does not provide additional relief for mechanical equipment in stand-alone buildings on campuses

**Proposed Rule:** will allow buildings used predominantly for mechanical equipment to be located in open areas in zoning lots larger than 1.5 acres

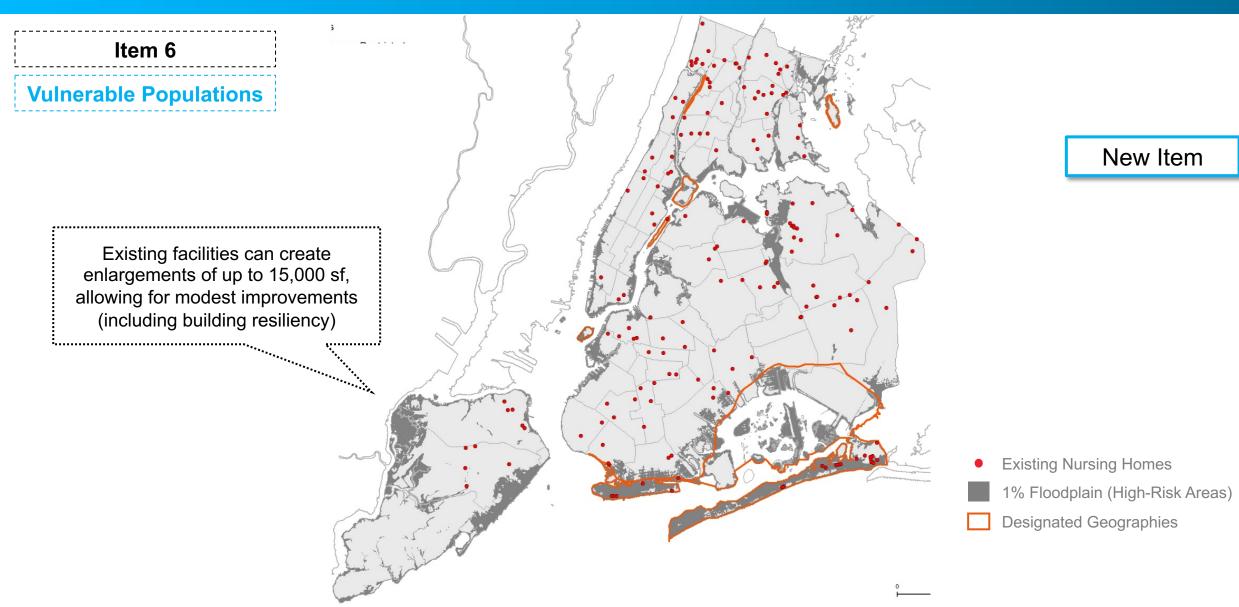


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**Proposed Rule:** allows **all buildings throughout the city**, to place power systems, including emergency generators, as permitted obstructions on open areas, provided that size limitations are met





**Proposed Rule:** prohibits new nursing homes and restrict the enlargement of existing facilities within the 1% annual chance floodplain and selected areas where vehicular access would likely become limited during a disaster.



ltem 7	
Green Infrastructure	

## Work of other City Agencies

Inland flooding mitigation and green infrastructure programs

## 1. DEP

- Sewer networks
- Green Infrastructure Grant Program

## 2. MOS

• Launched Study (2019) on precipitation-based flooding

## 3. Council

• Introduced bill #962



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7) Green Infrastructure

