



Project ID. HWPLZ010M  
Pre-Scoping Services for

# Madison Square / Flatiron Plaza Reconstruction

Public Design Commission  
Conceptual Review Resubmission  
December 13, 2021



**AECOM** **MNLA**

# Table of Contents

## I. Existing Conditions

- Borough and Neighborhood
- Neighborhood Context
- Bicycle Route Context
- Existing Conditions Project Area
- Existing Conditions Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
- Historic Districts
- Existing Site Photographs
  - Worth Square
  - Broadway between 25th & 24th
  - Broadway at 24th
  - 5th Ave at 24th
  - North Plaza
  - South Plaza
  - Broadway at 23rd
- Community Feedback Public Workshop 2/12/19

## II. Proposed Plans

- Initial Concept Plans
- Proposed Plan Project Area
- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza

- Broadway between 22nd & 21st
- Agency Jurisdiction

## III. Perspective Renderings

- Proposed Axon Diagram
- Worth Square
- Worth Square Security Measures
- \* North Plaza Security Measures
- North Plaza
- South Plaza Security Measures
- South Plaza

## IV. Sections

- Section A - Worth Square (W/E)
- Section B - North Plaza (W/E)
- Section C - South Plaza (W/E)
- Section D - Worth Square (S/N)
- Section E - North Plaza (N/S)
- Section F - South Plaza (N/S)

## V. Security Study

- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
  - Security Measure - Take-offs
- Security Bollard Precedent Image

## VI. Granite Block Study

- Context & Analysis
- Recommendations

## VII. Tree Study

- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
- Proposed View Analysis
  - 25th Street
  - 24th Street
  - Flatiron Building
  - Empire State Building
  - 23rd Street
  - 22nd Street

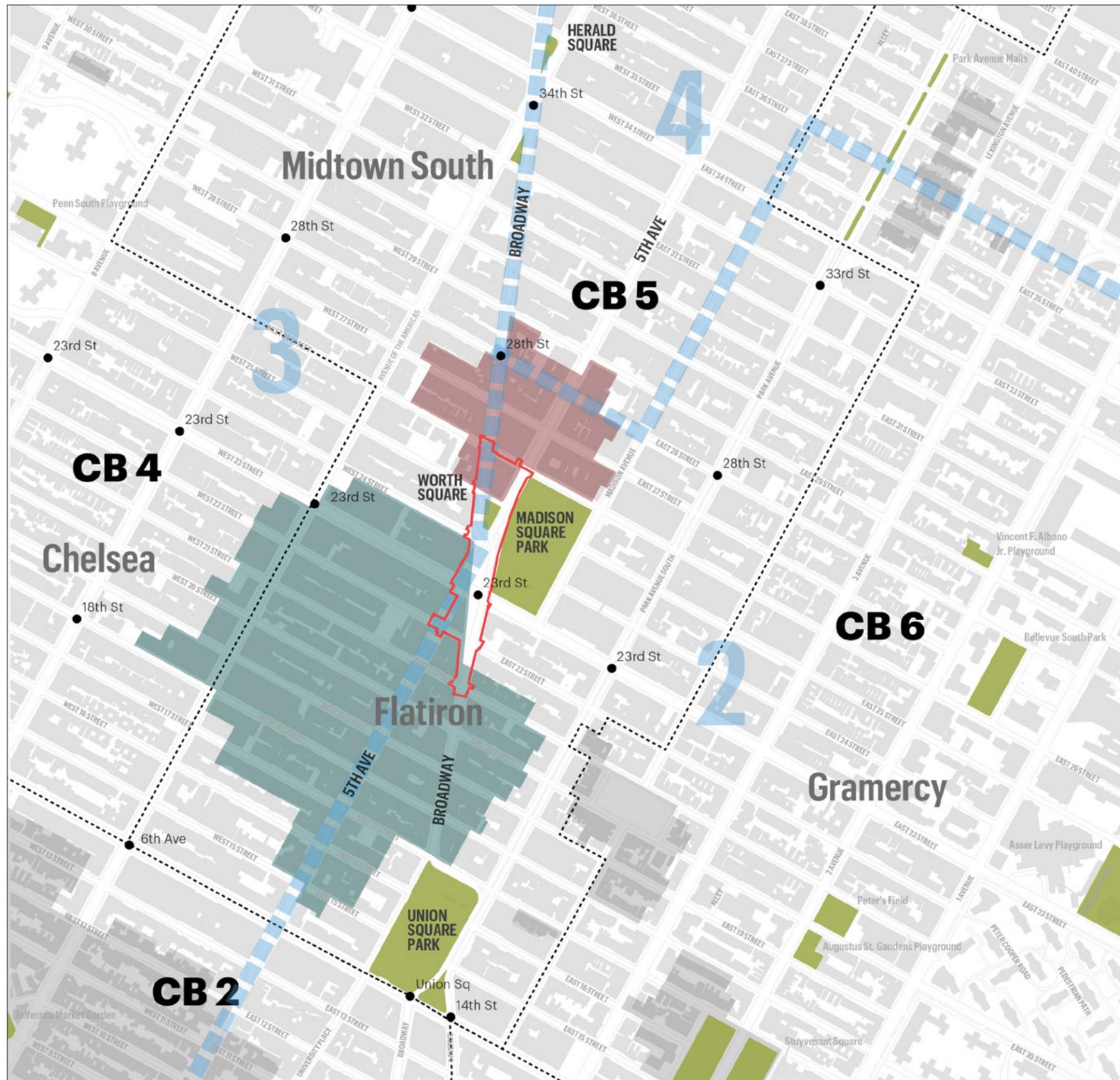
## Note to Reviewer:

This is a resubmission for Conceptual Review of the Madison Square / Flatiron Plaza Reconstruction. The original submission date was June 17, 2019. All revisions are annotated in red on the revised slides. For reference, “previously proposed” slides precede current “proposed” slides in the presentation. Thank you.

# I. Existing Conditions

- Borough and Neighborhood
- Neighborhood Context
- Existing Conditions Project Area
- Existing Conditions Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
- Historic Districts
- Existing Site Photographs
  - Worth Square
  - Broadway between 25th & 24th
  - Broadway at 24th
  - 5th Ave at 24th
  - North Plaza
  - South Plaza
  - Broadway at 23rd
- Community Feedback Public Workshop 2/12/19



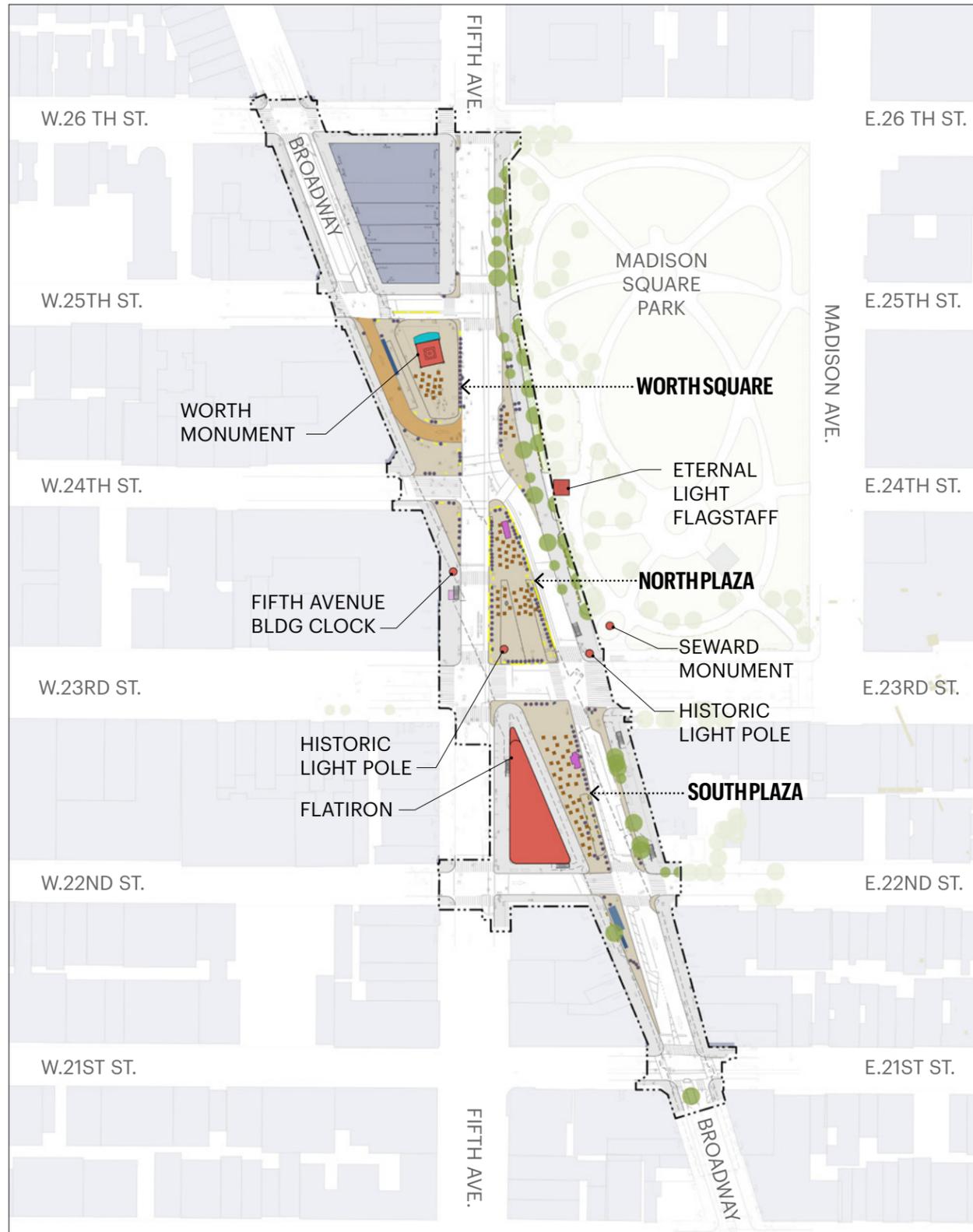


**Legend**

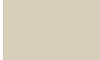
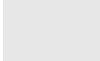
- Project Limits
- ▬ Council Districts
- Community Boards
- Madison Square North Historic District
- Ladies' Mile Historic District
- Parks
- Subway Stations







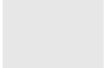
### Legend

-  Project Limits
-  Existing Temporary DOT Plaza
-  Flatiron Shared Street
-  Existing Sidewalk
-  Existing Tables and Chairs
-  Landmarks
-  Subway Entrance
-  Existing Trees
-  Existing Citibike Stations
-  Existing Citibike Valet
-  Existing DOT Bike Racks
-  Existing Barriers and Boulders
-  Existing Movable Planters
-  Existing Benches
-  Existing DEP Building
-  Existing Kiosk
-  Existing Newsstand

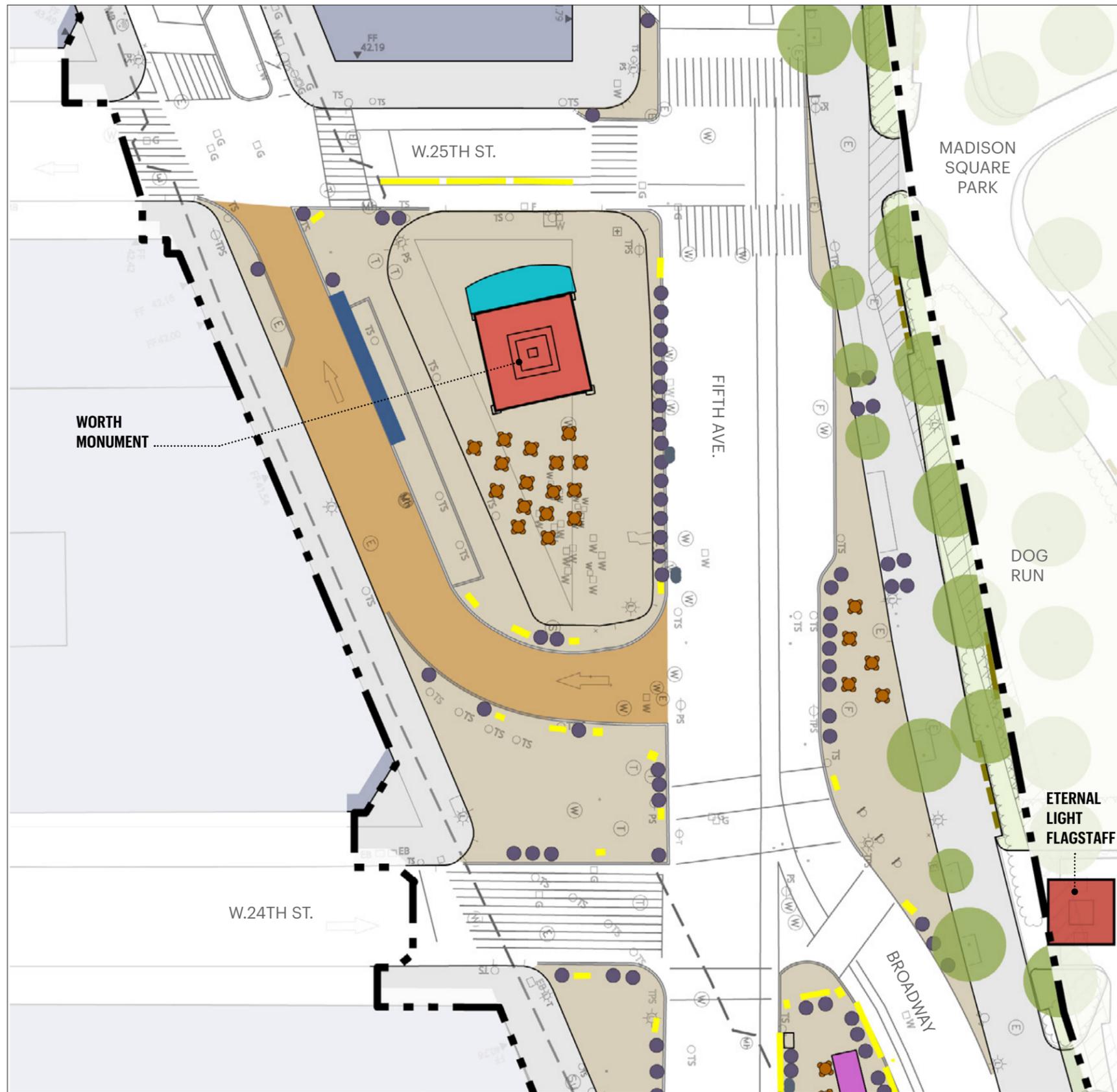




**Legend**

-  Project Limits
-  Existing Temporary DOT Plaza
-  Flatiron Shared Street
-  Existing Sidewalk
-  Existing Tables and Chairs
-  Landmarks
-  Subway Entrance
-  Existing Trees
-  Existing Citibike Stations
-  Existing Citibike Valet
-  Existing DOT Bike Racks
-  Existing Barriers and Boulders
-  Existing Movable Planters
-  Existing Benches
-  Existing DEP Building
-  Existing Kiosk
-  Existing Newsstand





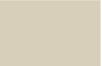
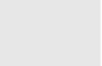
**Legend**

- Project Limits
- Existing Temporary DOT Plaza
- Flatiron Shared Street
- Existing Sidewalk
- Existing Tables and Chairs
- Landmarks
- Subway Entrance
- Existing Trees
- Existing Citibike Stations
- Existing Citibike Valet
- Existing DOT Bike Racks
- Existing Barriers and Boulders
- Existing Movable Planters
- Existing Benches
- Existing DEP Building
- Existing Kiosk
- Existing Newsstand

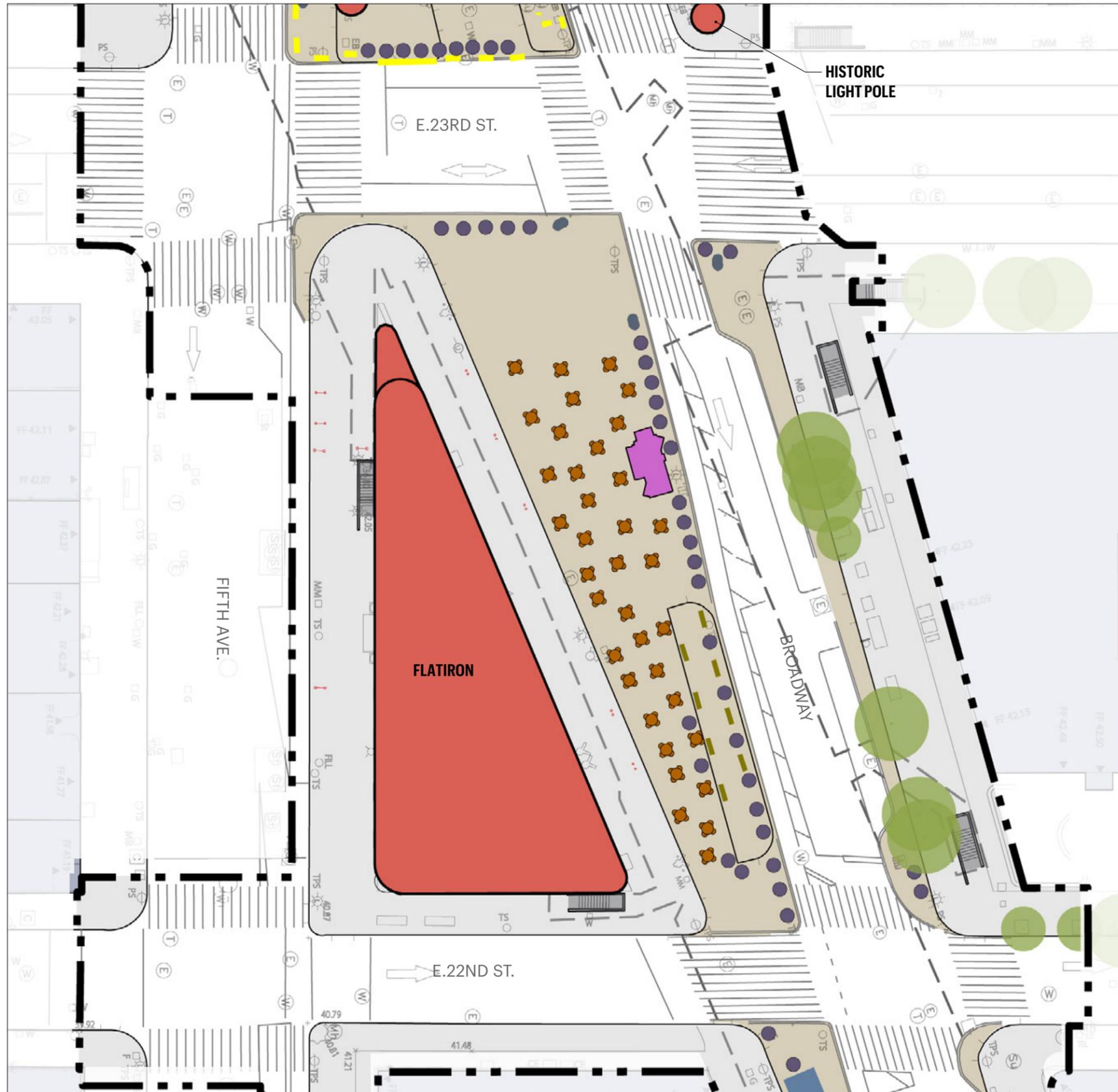




**Legend**

-  Project Limits
-  Existing Temporary DOT Plaza
-  Flatiron Shared Street
-  Existing Sidewalk
-  Existing Tables and Chairs
-  Landmarks
-  Subway Entrance
-  Existing Trees
-  Existing Citibike Stations
-  Existing Citibike Valet
-  Existing DOT Bike Racks
-  Existing Barriers and Boulders
-  Existing Movable Planters
-  Existing Benches
-  Existing DEP Building
-  Existing Kiosk
-  Existing Newsstand





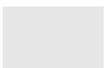
**Legend**

- Project Limits
- Existing Temporary DOT Plaza
- Flatiron Shared Street
- Existing Sidewalk
- Existing Tables and Chairs
- Landmarks
- Subway Entrance
- Existing Trees
- Existing Citibike Stations
- Existing Citibike Valet
- Existing DOT Bike Racks
- Existing Barriers and Boulders
- Existing Movable Planters
- Existing Benches
- Existing DEP Building
- Existing Kiosk
- Existing Newsstand

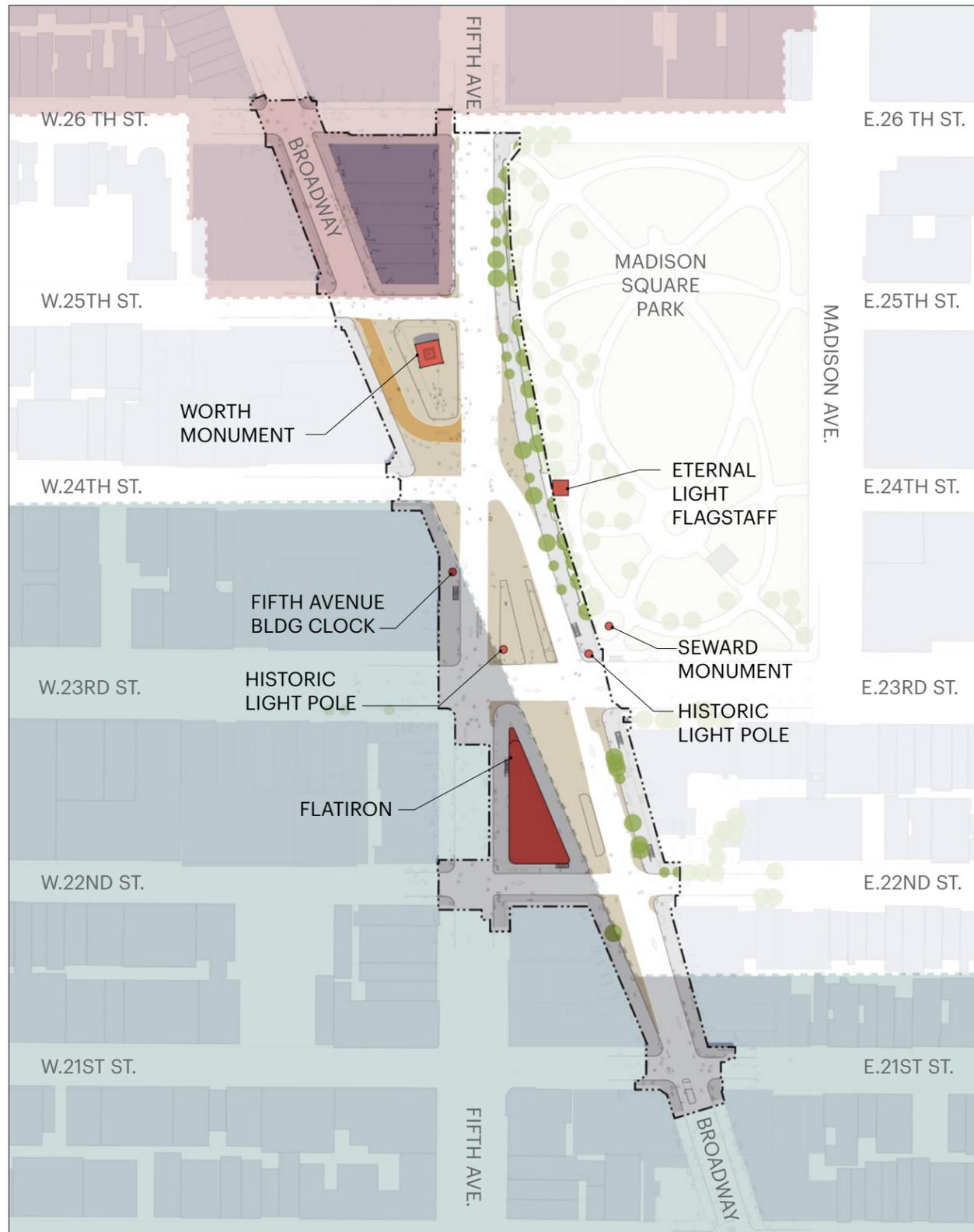




**Legend**

-  Project Limits
-  Existing Temporary DOT Plaza
-  Flatiron Shared Street
-  Existing Sidewalk
-  Existing Tables and Chairs
-  Landmarks
-  Subway Entrance
-  Existing Trees
-  Existing Citibike Stations
-  Existing Citibike Valet
-  Existing DOT Bike Racks
-  Existing Barriers and Boulders
-  Existing Movable Planters
-  Existing Benches
-  Existing DEP Building
-  Existing Kiosk
-  Existing Newsstand





**Legend**

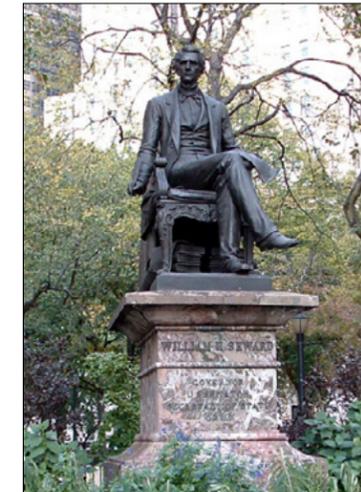
- Project Limits
- Historic Landmarks and Monuments
- Madison Sq. North Historic District
- Ladies Mile Historic District



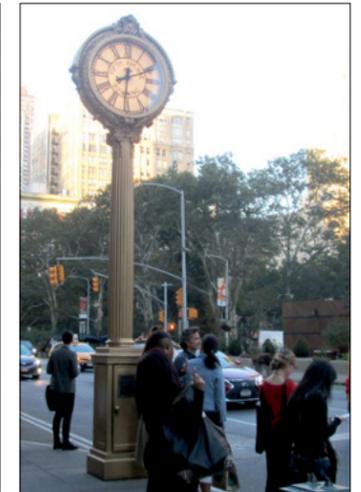
**WORTH MONUMENT**



**FLATIRON**



**SEWARD MONUMENT**



**FIFTH AVENUE BLDG CLOCK**



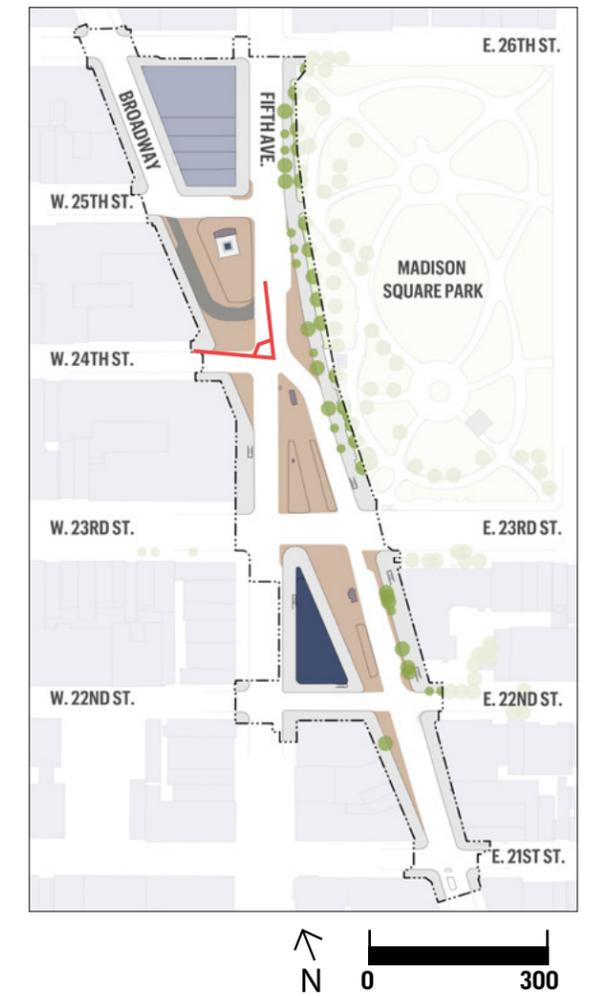
**ETERNAL LIGHT MONUMENT**



**HISTORIC LIGHT POLE**

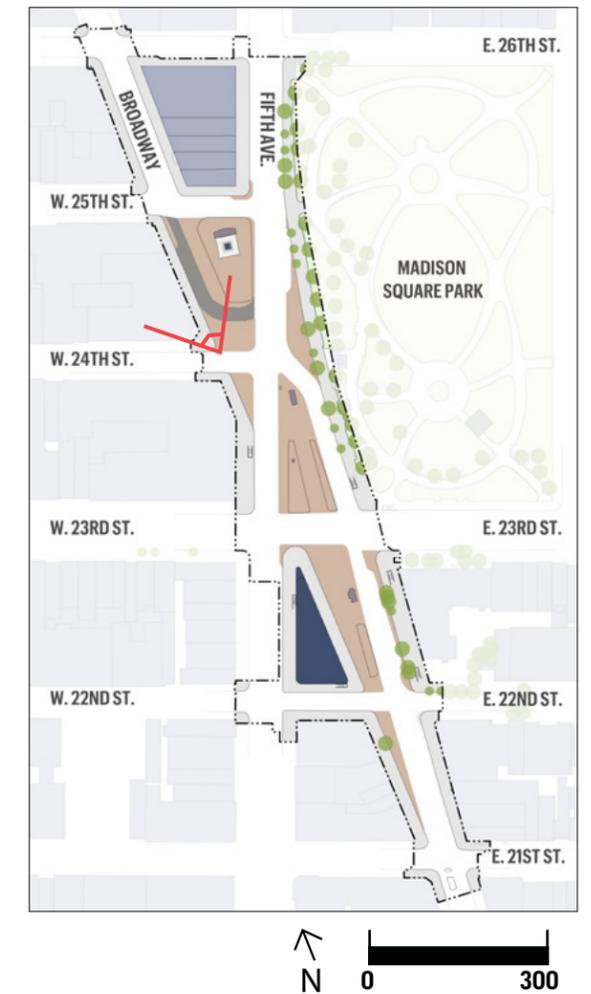


**EXISTING CONDITIONS  
KEY PLAN**





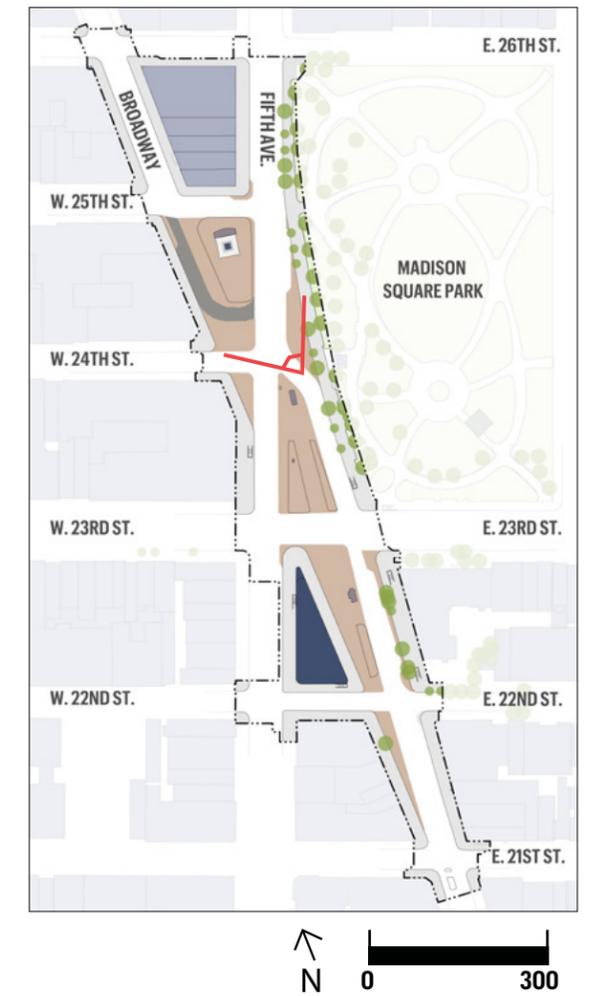
**EXISTING CONDITIONS  
KEY PLAN**





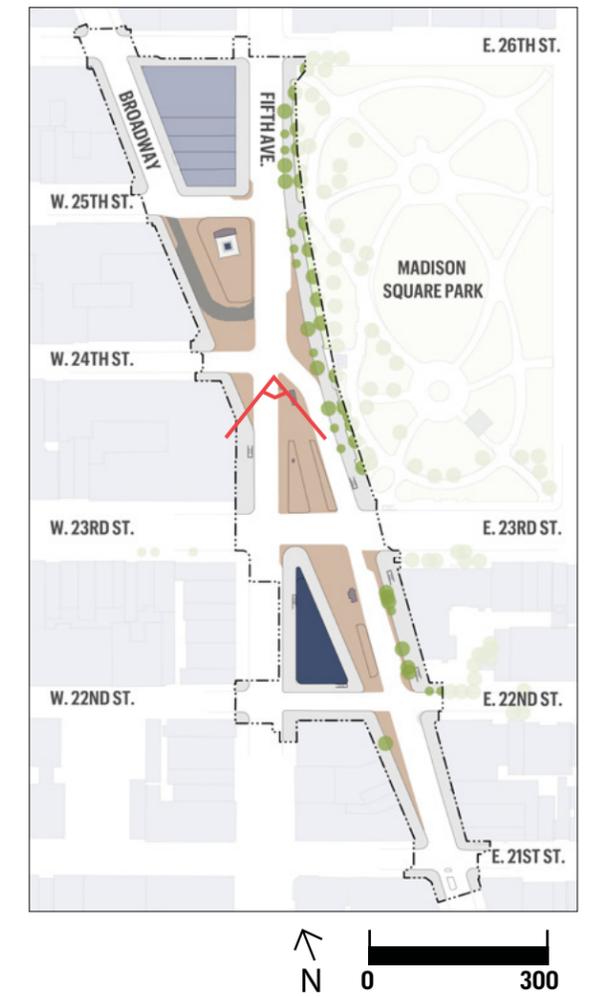
**EXISTING CONDITIONS**

**KEY PLAN**





**EXISTING CONDITIONS  
KEY PLAN**



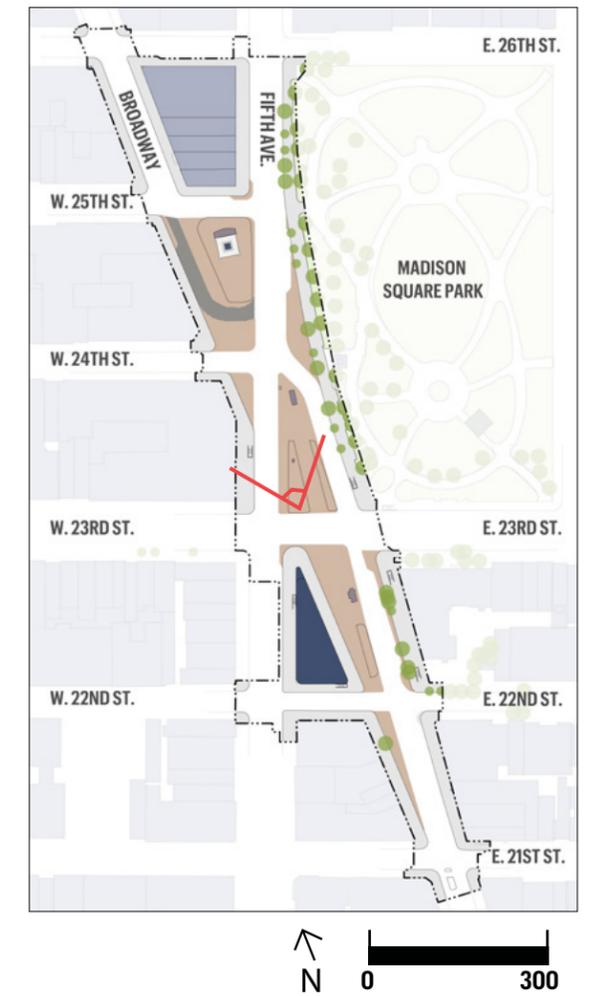
Google

Image capture: Nov 2011



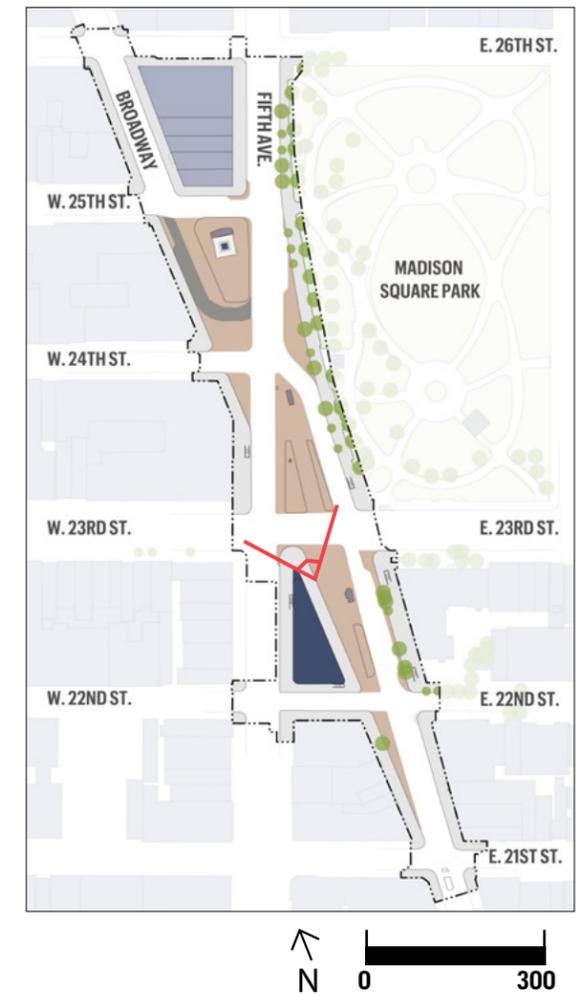
**EXISTING CONDITIONS**

**KEY PLAN**





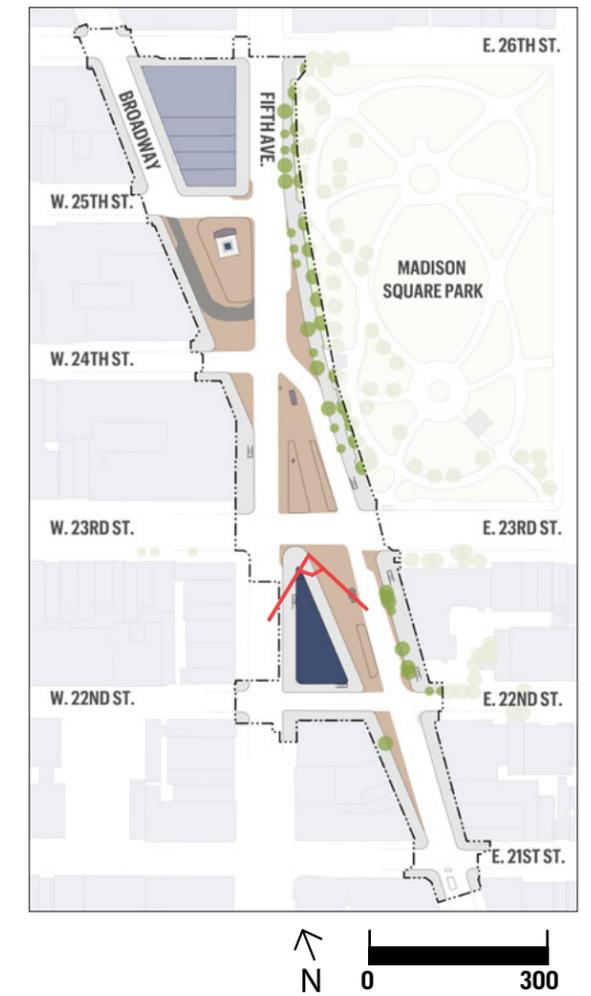
**EXISTING CONDITIONS  
KEY PLAN**





**EXISTING CONDITIONS**

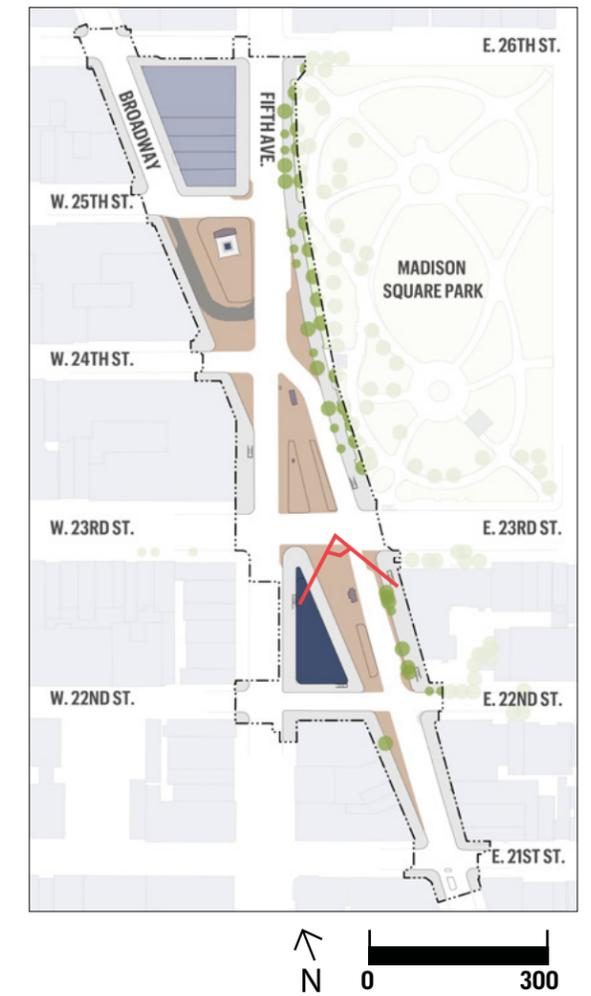
**KEY PLAN**





Google

**EXISTING CONDITIONS  
KEY PLAN**





**Close Broadway at Worth Square**

**Re-balance existing commercial meter parking**

**Fix drainage problems**

**Restore Worth Monument**

**Preserve parking and loading/unloading on Broadway**

**Clarify the bike network**

**Use more planting elements for security**

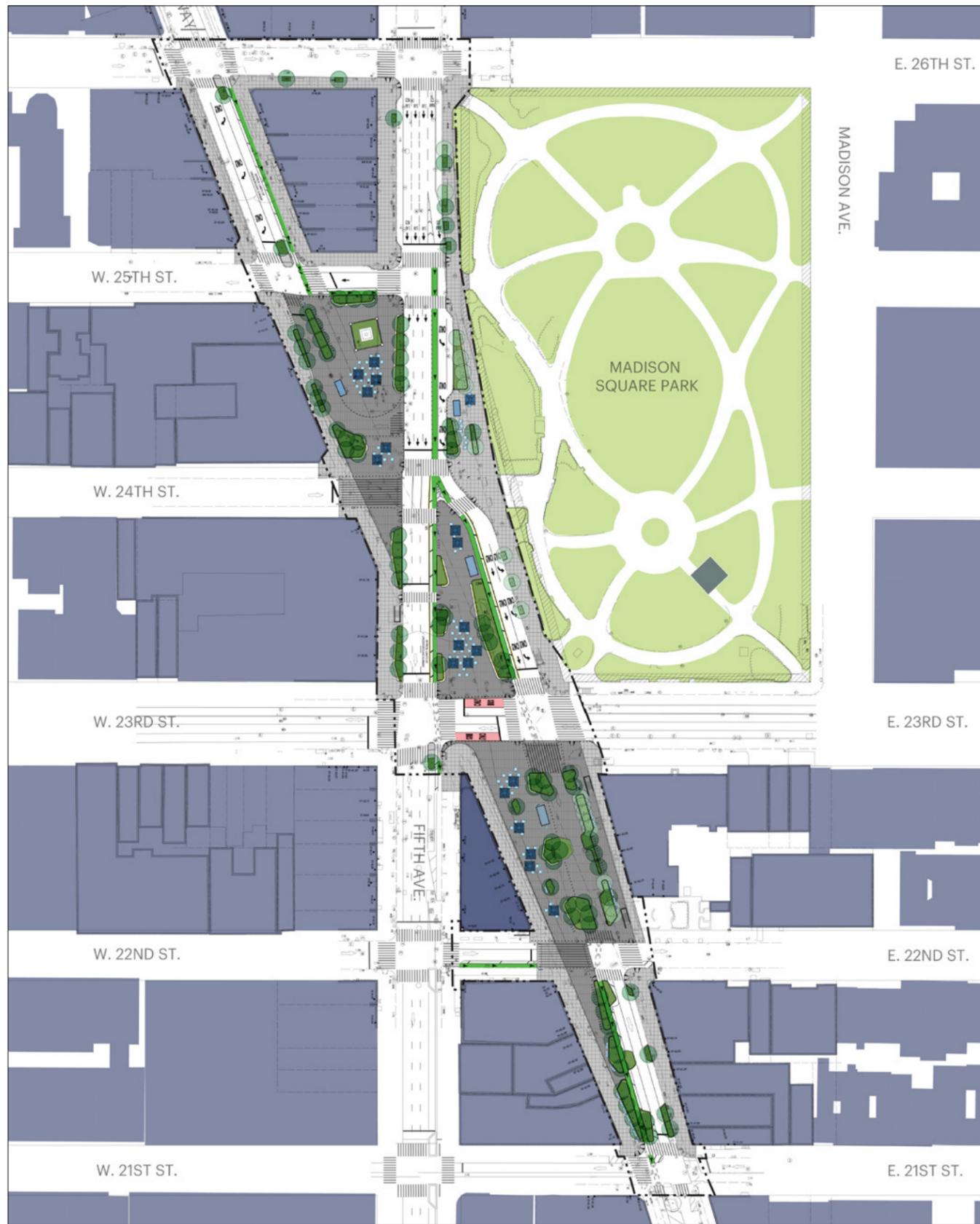
**Preserve Flatiron building sidewalk**

**Plant more trees**

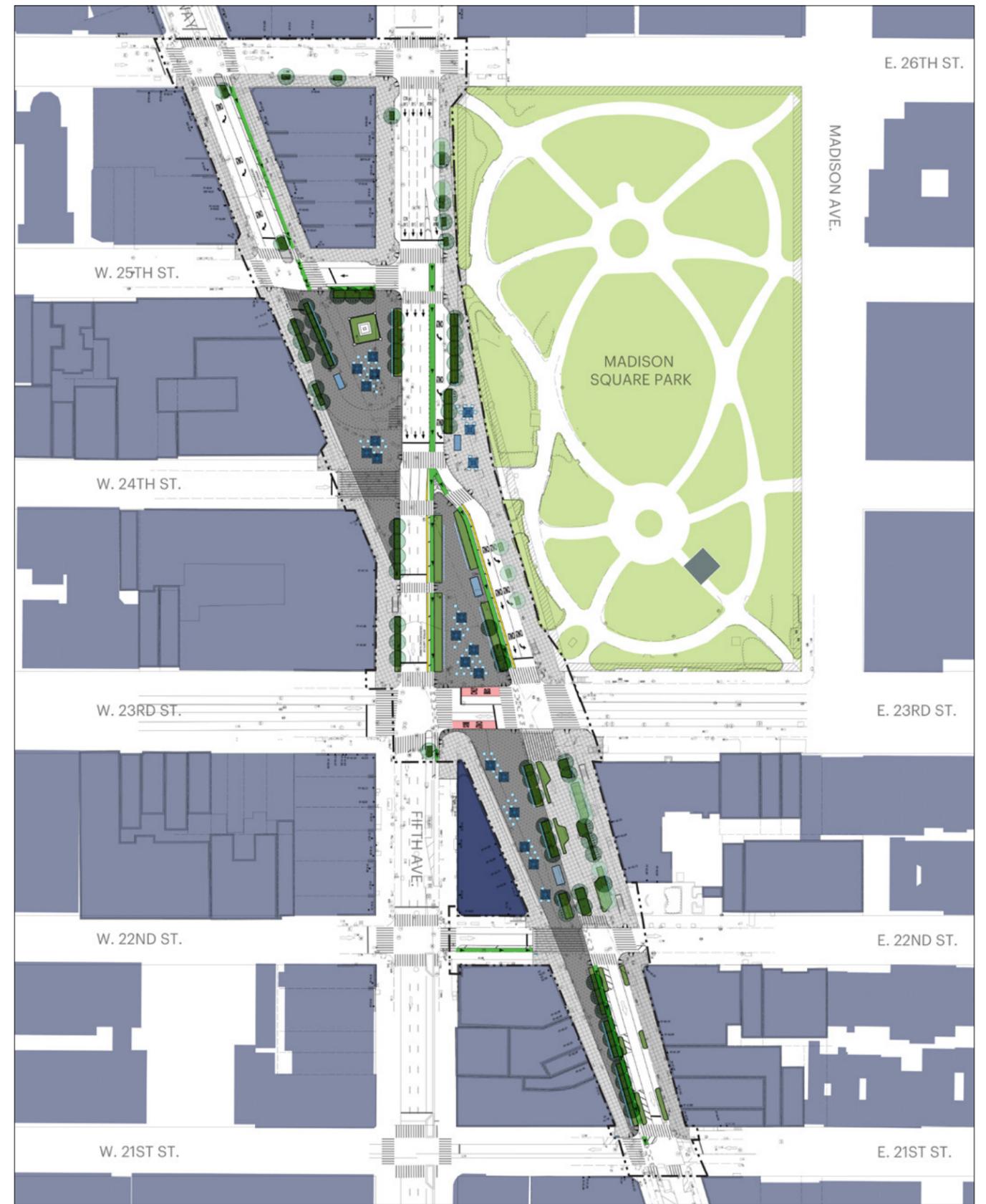
**Extend shared streets to Union Square**

## II. Proposed Plans

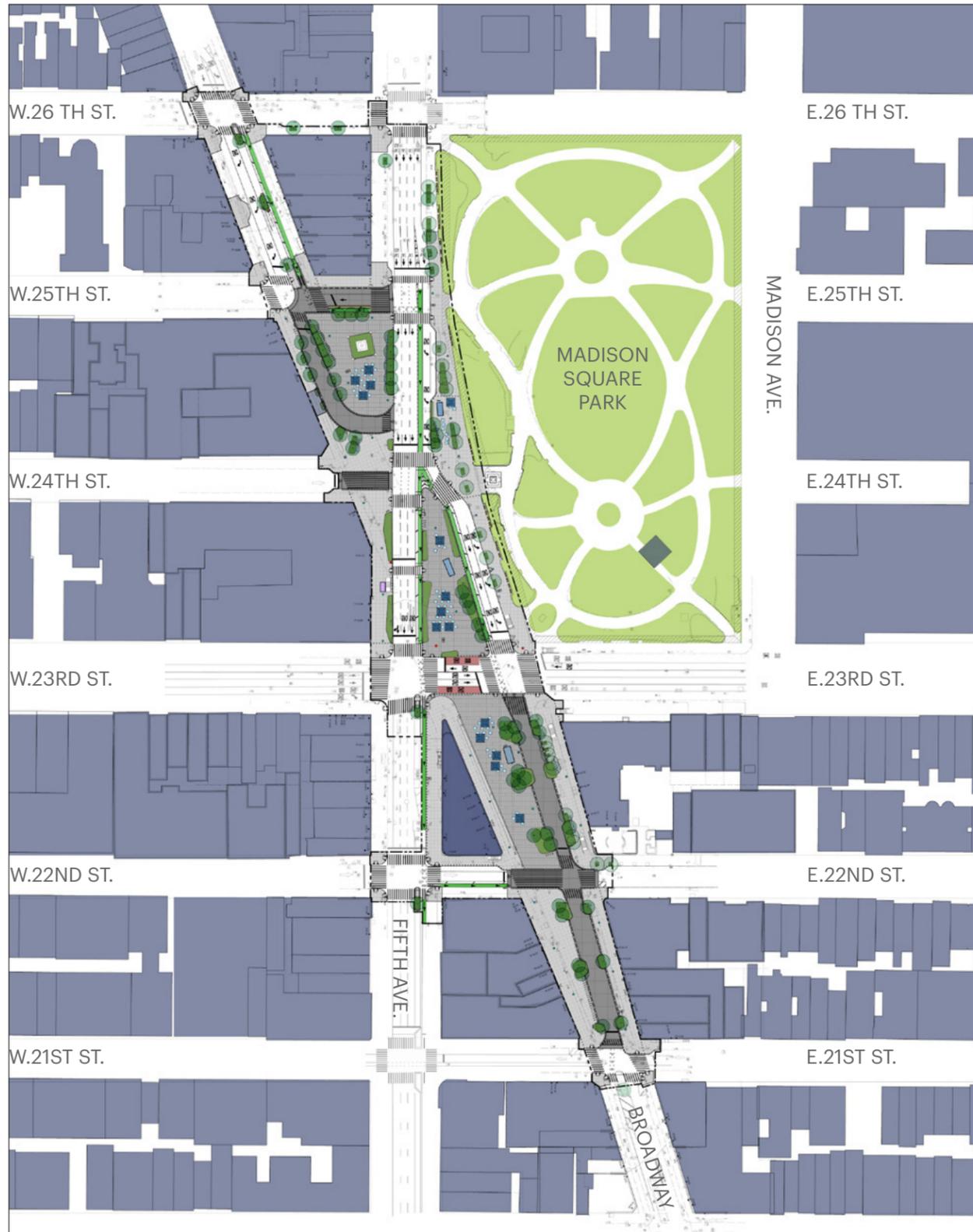
- Initial Concept Plans
- Proposed Plan Project Area
- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
- Agency Jurisdiction



**Concept 1: Flatiron Commons**

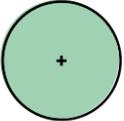


**Concept 2: Flatiron Square**

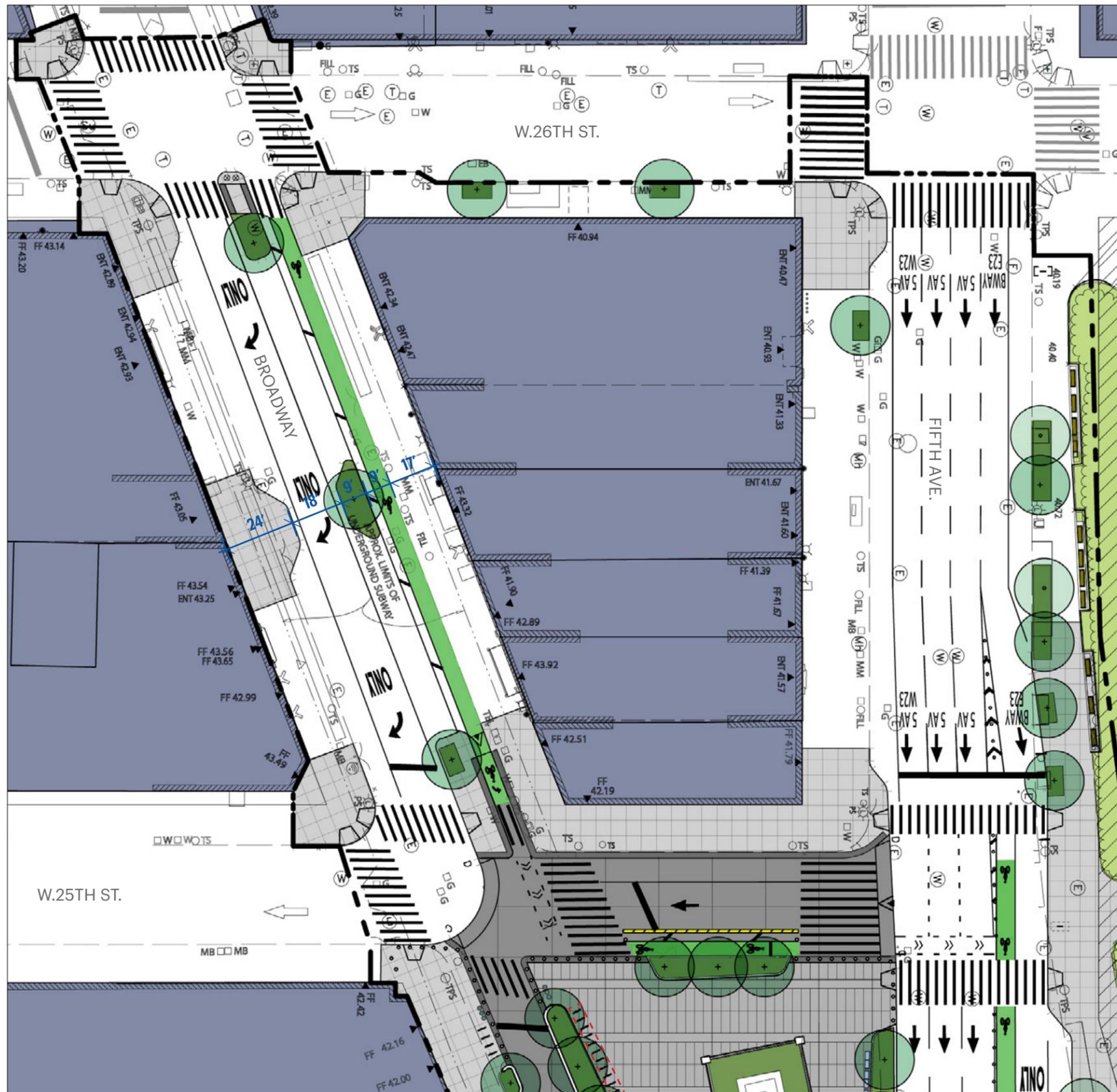


Note: See enlargement plans for revision annotations

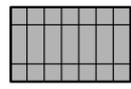
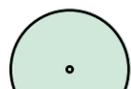
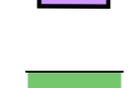
### Legend

- |   |   |   |  |
|---|---|---|--|
|    | <b>Paving Type 1 - Sidewalk</b><br>Standard Unpigmented Concrete    |    | <b>Pinned Granite Block</b><br>(Pinned granite blocks replaced bollards) |
|    | <b>Paving Type 2 - Plaza</b><br>Standard Pigmented Concrete         |    | <b>Planting Curb with Integrated Security Barrier</b>                    |
|    | <b>Paving Type 3 - Shared Street</b><br>Standard Pigmented Concrete |    | <b>City Bench with Back</b>  |
|    | <b>Existing Tree to Remain</b>                                      |    | <b>Parks Bench with Armrests</b>   |
|   | <b>Proposed Tree</b>  |    | <b>Existing Park Bench</b>   |
|  | <b>Cafe Kiosk</b>   |    | <b>Movable Tables, Chairs &amp; Umbrellas</b>                            |
|  | <b>Existing Newsstand</b>   |   | <b>Water Bottle Filling Station</b>                                      |
|  | <b>Bike Lane</b>  |  | <b>Public Trash and Recycling Receptacles</b>                            |
|  | <b>Bike Lane Security Wall</b>                                      |  | <b>DOT CityRack</b>  |
|  | <b>Perimeter Security Bollard</b>                                   |  | <b>CitiBike Station</b>  |
|  | <b>Detectable Warning Strip</b>                                     |  | <b>Wayfinding</b>  |
|   |   |  | <b>Historic/Landmarked Clock</b>   |
|   |   |  | <b>Historic/Landmarked Light Pole</b>                                    |

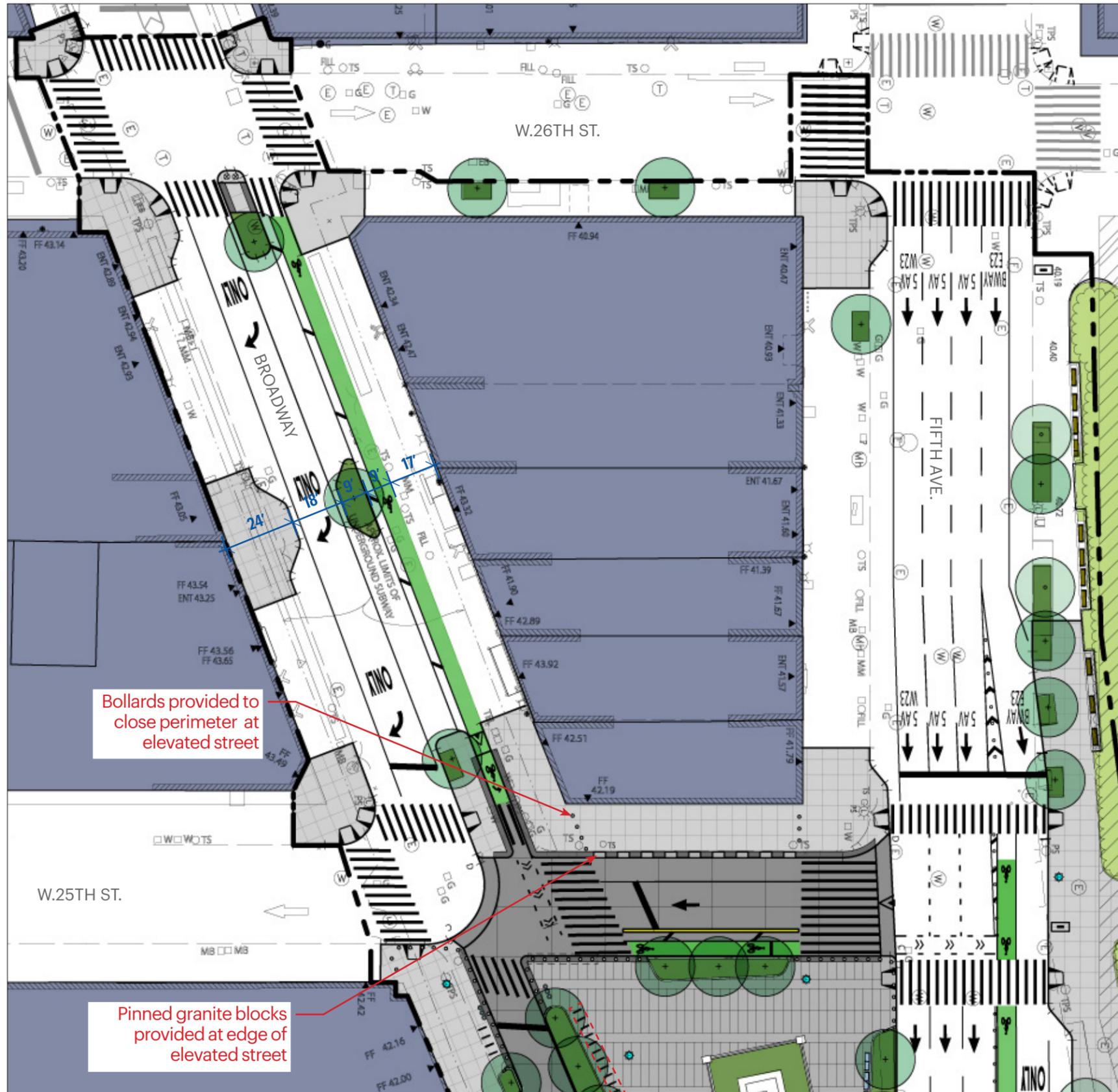




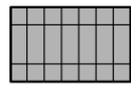
**Legend**

-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole



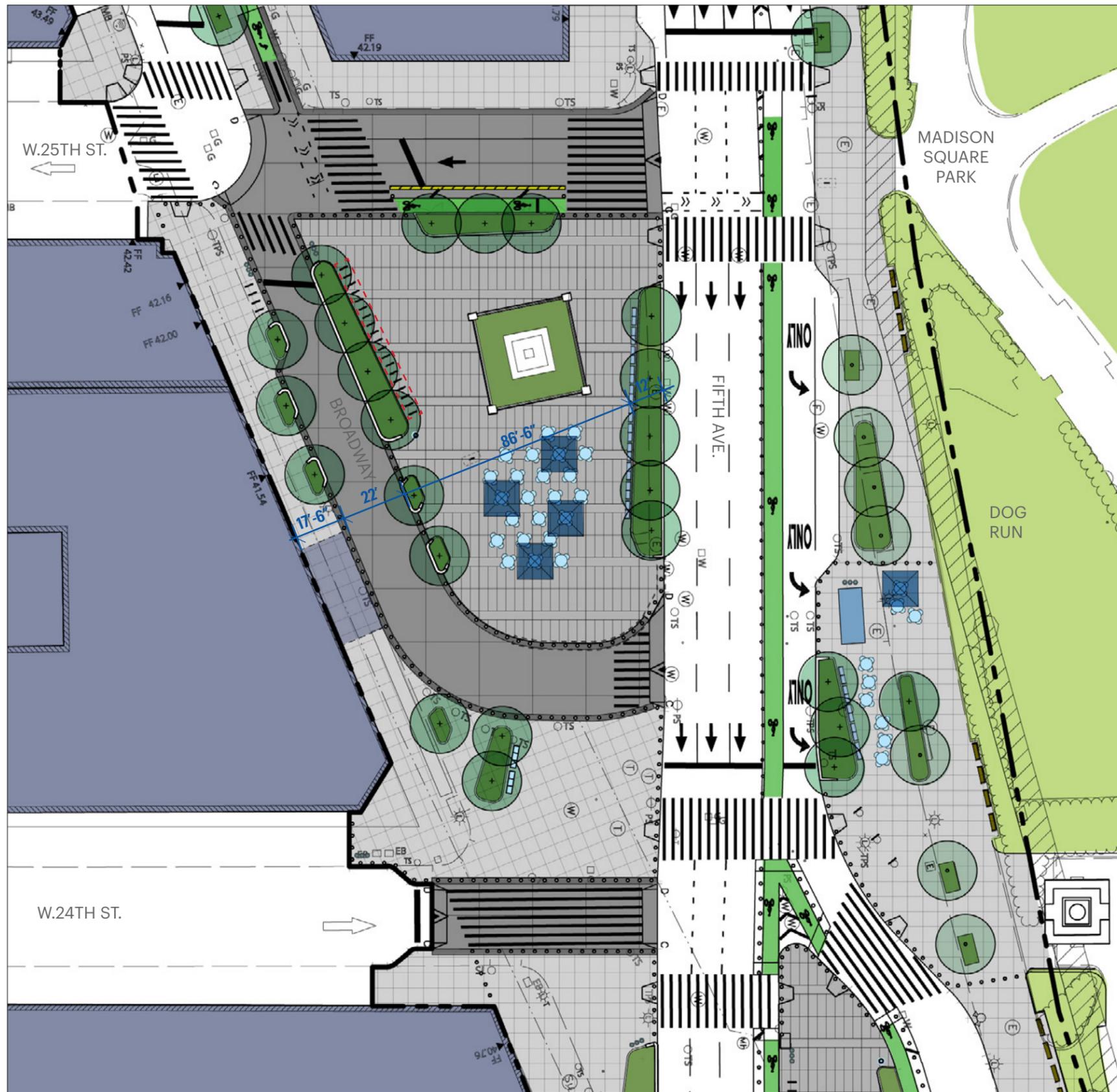


**Legend**

-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Pinned Granite Block  
(Pinned granite blocks replaced bollards)
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole



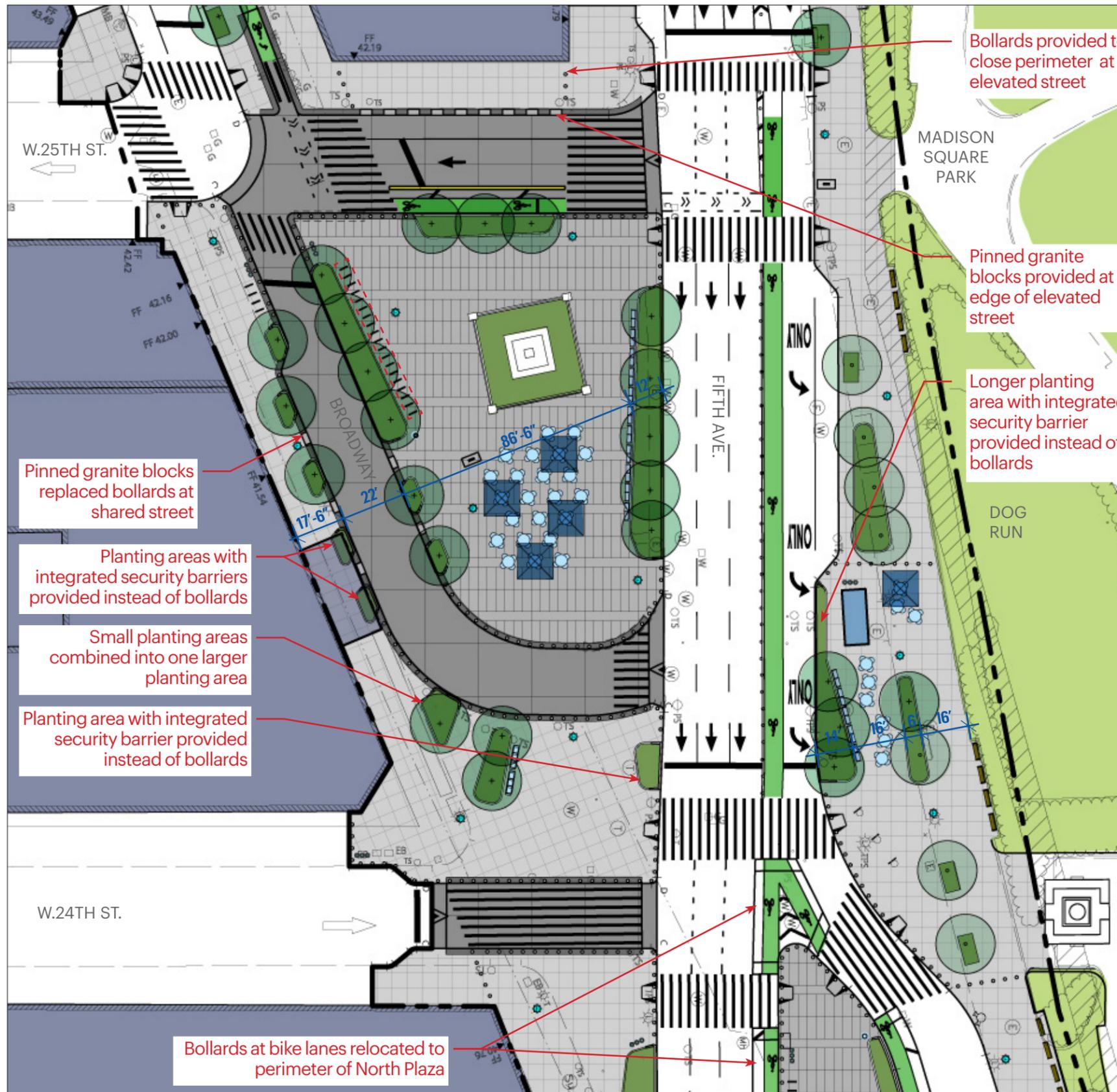
**PROPOSED**



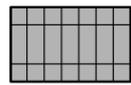
### Legend

- |  |   |  |   |
|--|---|--|---|
|  | <b>Paving Type 1 - Sidewalk</b><br>Standard Unpigmented Concrete    |  | <b>Planting Curb with Integrated Security Barrier</b> |
|  | <b>Paving Type 2 - Plaza</b><br>Standard Pigmented Concrete         |  | <b>City Bench with Back</b>                           |
|  | <b>Paving Type 3 - Shared Street</b><br>Standard Pigmented Concrete |  | <b>Parks Bench with Armrests</b>                      |
|  | <b>Existing Tree to Remain</b>                                      |  | <b>Existing Park Bench</b>                            |
|  | <b>Proposed Tree</b>  |  | <b>Movable Tables, Chairs &amp; Umbrellas</b>         |
|  | <b>Cafe Kiosk</b>   |  | <b>Water Bottle Filling Station</b>                   |
|  | <b>Existing Newsstand</b>   |  | <b>Public Trash and Recycling Receptacles</b>         |
|  | <b>Bike Lane</b>  |  | <b>DOT CityRack</b>                                   |
|  | <b>Bike Lane Security Wall</b>                                      |  | <b>CitiBike Station</b>                               |
|  | <b>Perimeter Security Bollard</b>                                   |  | <b>Wayfinding</b>                                     |
|  | <b>Detectable Warning Strip</b>                                     |  | <b>Historic/Landmarked Clock</b>                      |
|  |   |  | <b>Historic/Landmarked Light Pole</b>                 |

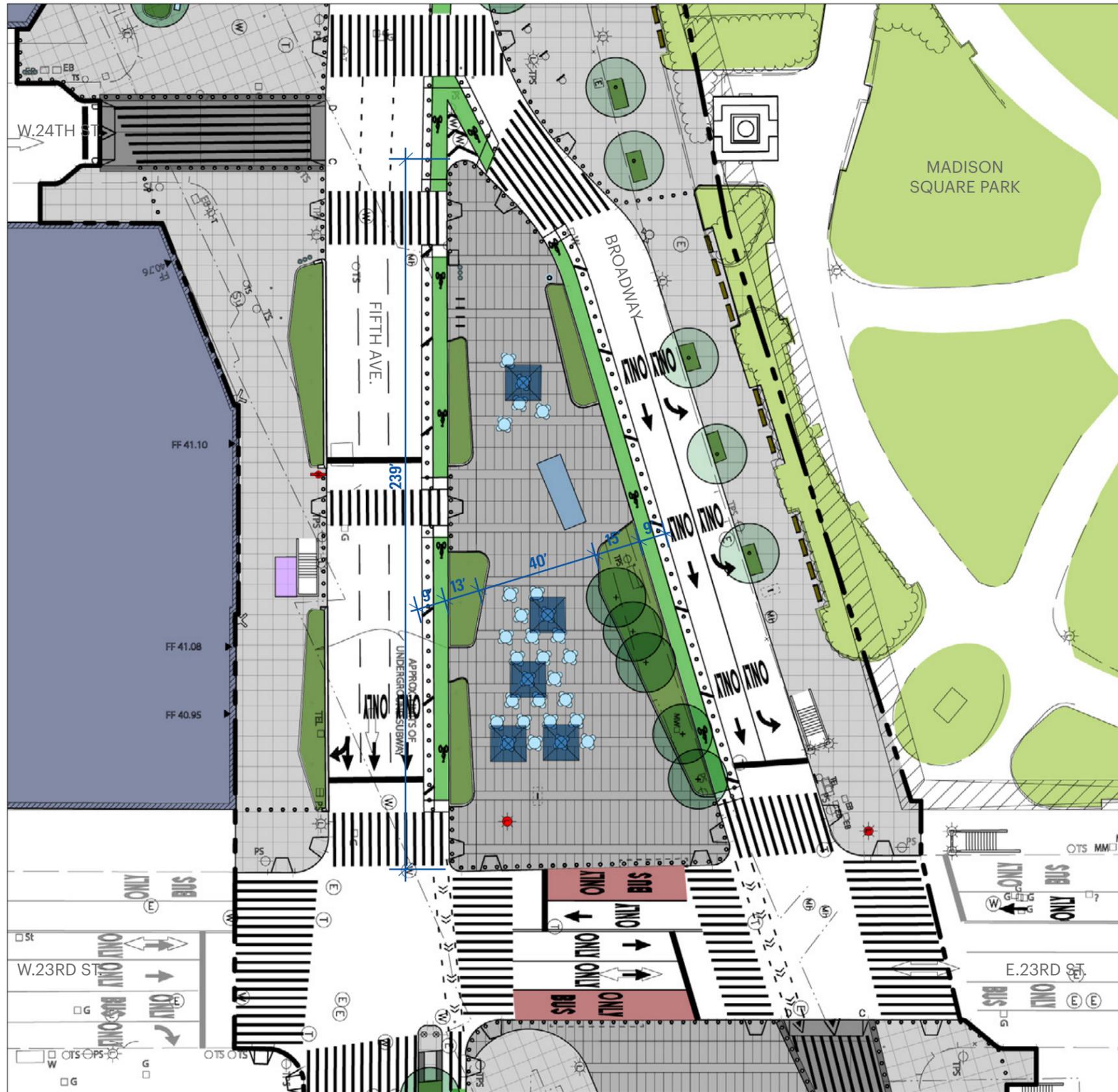




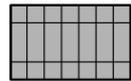
**Legend**

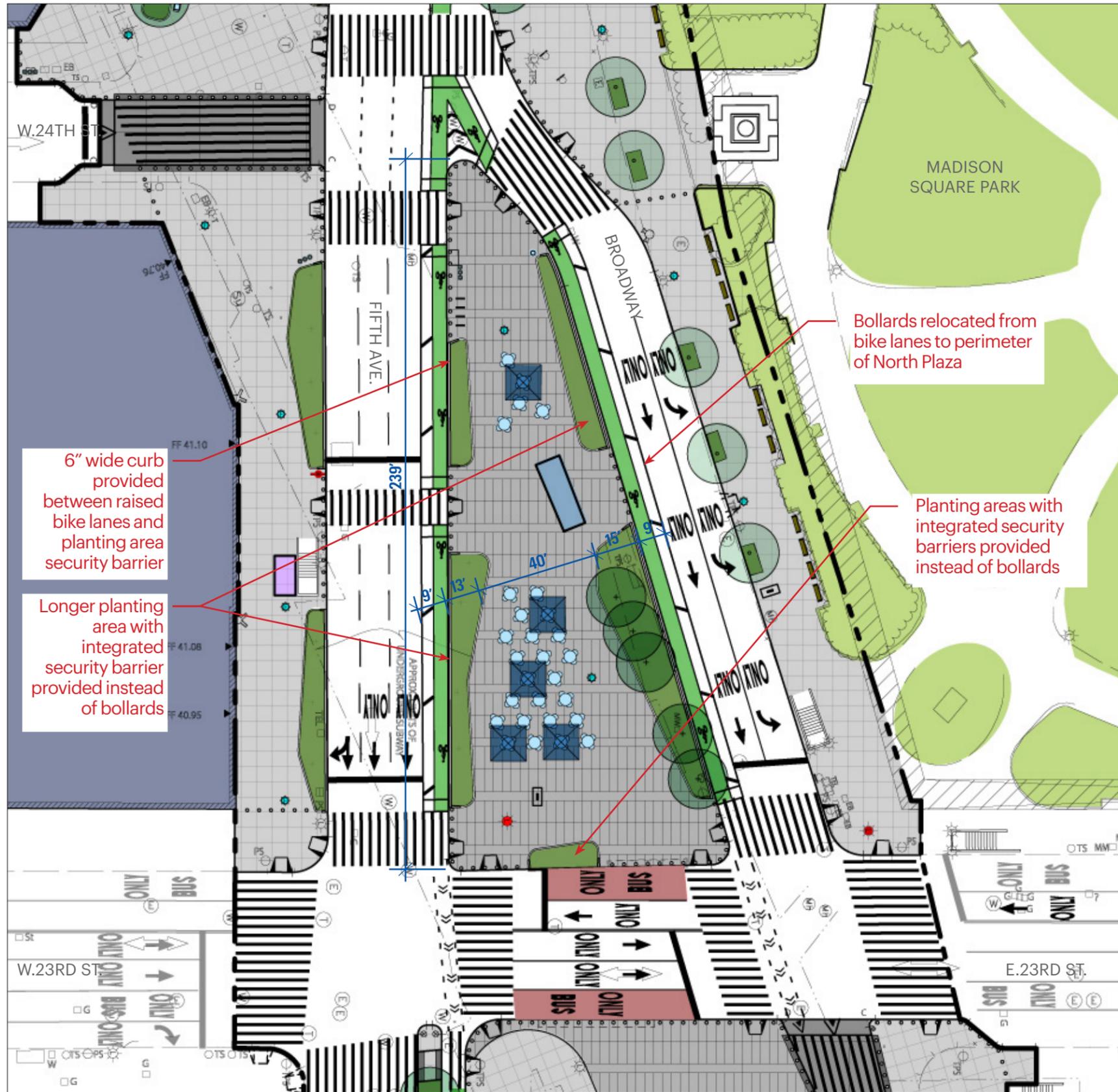
-  **Paving Type 1 - Sidewalk**  
Standard Unpigmented Concrete
-  **Paving Type 2 - Plaza**  
Standard Pigmented Concrete
-  **Paving Type 3 - Shared Street**  
Standard Pigmented Concrete
-  **Existing Tree to Remain**
-  **Proposed Tree**
-  **Cafe Kiosk**
-  **Existing Newsstand**
-  **Bike Lane**
-  **Bike Lane Security Wall**
-  **Perimeter Security Bollard**
-  **Detectable Warning Strip**
-  **Pinned Granite Block**  
(Pinned granite blocks replaced bollards)
-  **Planting Curb with**  
Integrated Security Barrier
-  **City Bench with Back**
-  **Parks Bench with Armrests**
-  **Existing Park Bench**
-  **Movable Tables, Chairs**  
& Umbrellas
-  **Water Bottle Filling Station**
-  **Public Trash and Recycling**  
Receptacles
-  **DOT CityRack**
-  **CitiBike Station**
-  **Wayfinding**
-  **Historic/Landmarked Clock**
-  **Historic/Landmarked Light Pole**



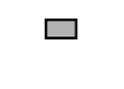
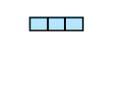
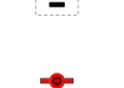


**Legend**

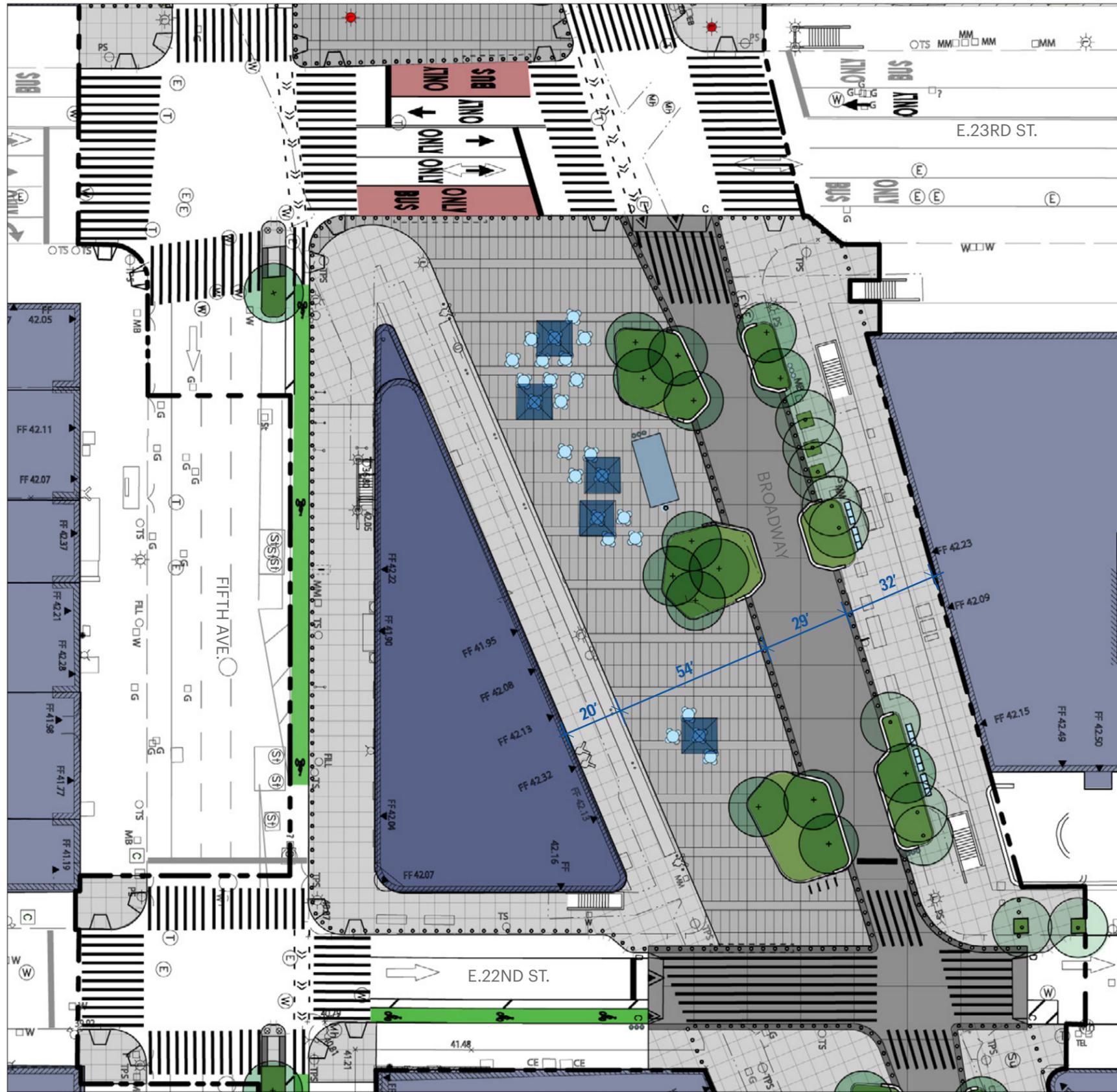
-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole



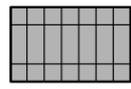
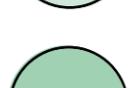
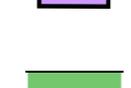
**Legend**

-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Pinned Granite Block  
(Pinned granite blocks replaced bollards)
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole



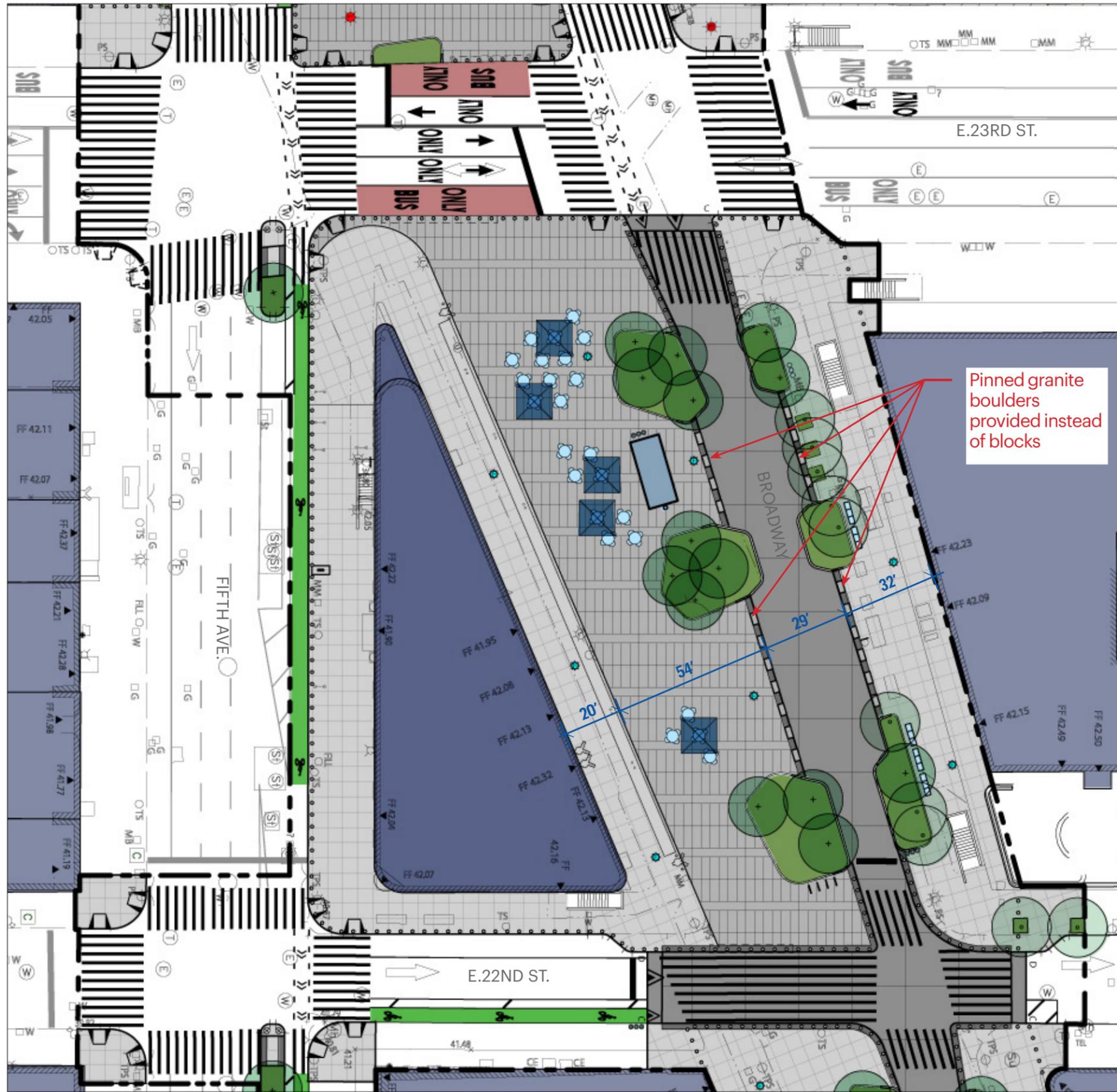


**Legend**

-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole



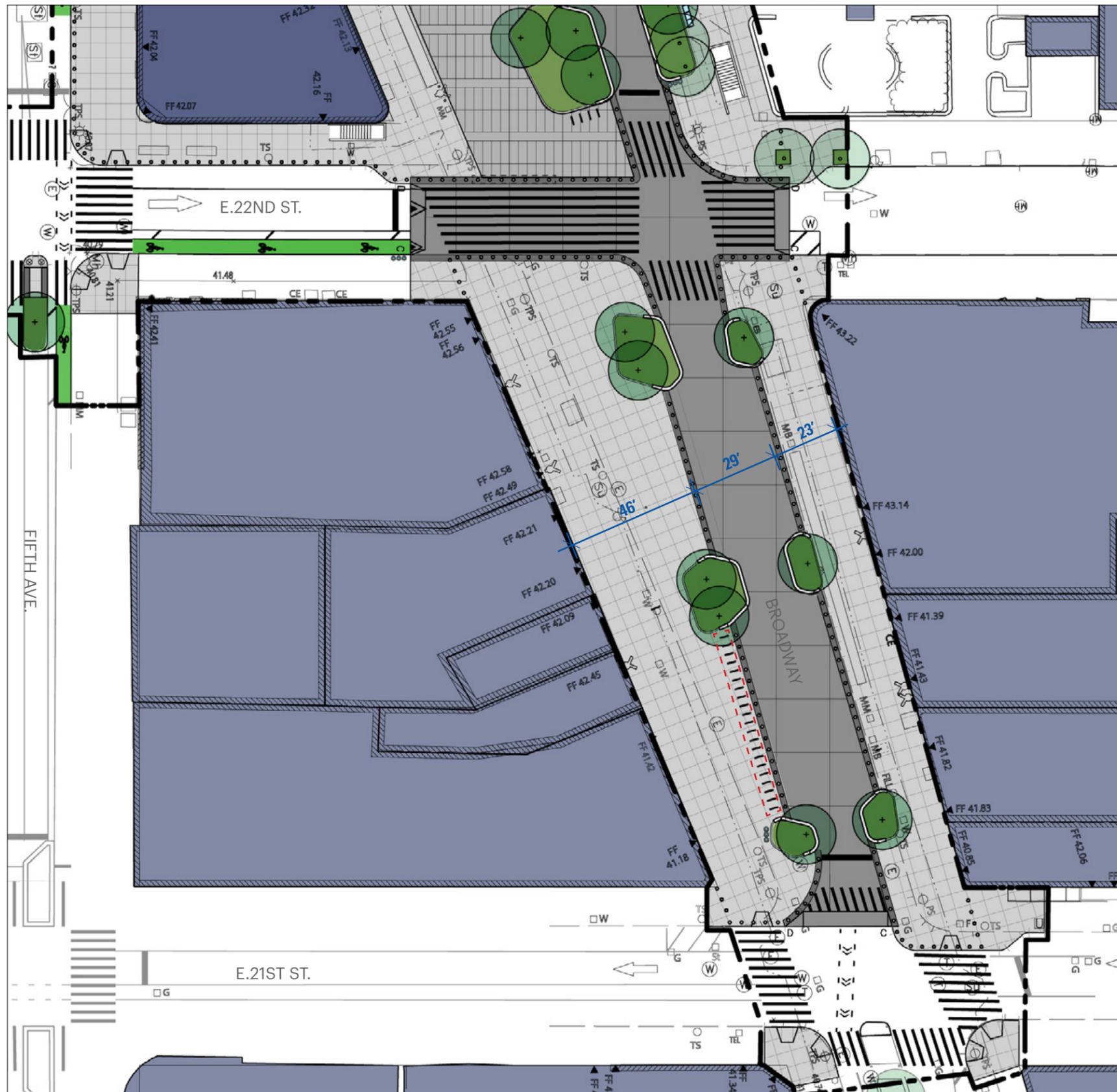
**PREVIOUSLY PROPOSED**



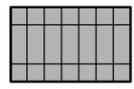
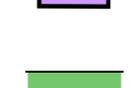
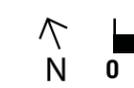
### Legend

- |  |   |  |  |
|--|---|--|--|
|  | <b>Paving Type 1 - Sidewalk</b><br>Standard Unpigmented Concrete    |  | <b>Pinned Granite Block</b><br>(Pinned granite blocks replaced bollards) |
|  | <b>Paving Type 2 - Plaza</b><br>Standard Pigmented Concrete         |  | <b>Planting Curb with Integrated Security Barrier</b>                    |
|  | <b>Paving Type 3 - Shared Street</b><br>Standard Pigmented Concrete |  | <b>City Bench with Back</b>  |
|  | <b>Existing Tree to Remain</b>                                      |  | <b>Parks Bench with Armrests</b>   |
|  | <b>Proposed Tree</b>  |  | <b>Existing Park Bench</b>   |
|  | <b>Cafe Kiosk</b>   |  | <b>Movable Tables, Chairs &amp; Umbrellas</b>                            |
|  | <b>Existing Newsstand</b>   |  | <b>Water Bottle Filling Station</b>                                      |
|  | <b>Bike Lane</b>  |  | <b>Public Trash and Recycling Receptacles</b>                            |
|  | <b>Bike Lane Security Wall</b>                                      |  | <b>DOT CityRack</b>  |
|  | <b>Perimeter Security Bollard</b>                                   |  | <b>CitiBike Station</b>  |
|  | <b>Detectable Warning Strip</b>                                     |  | <b>Wayfinding</b>  |
|  |   |  | <b>Historic/Landmarked Clock</b>   |
|  |   |  | <b>Historic/Landmarked Light Pole</b>                                    |

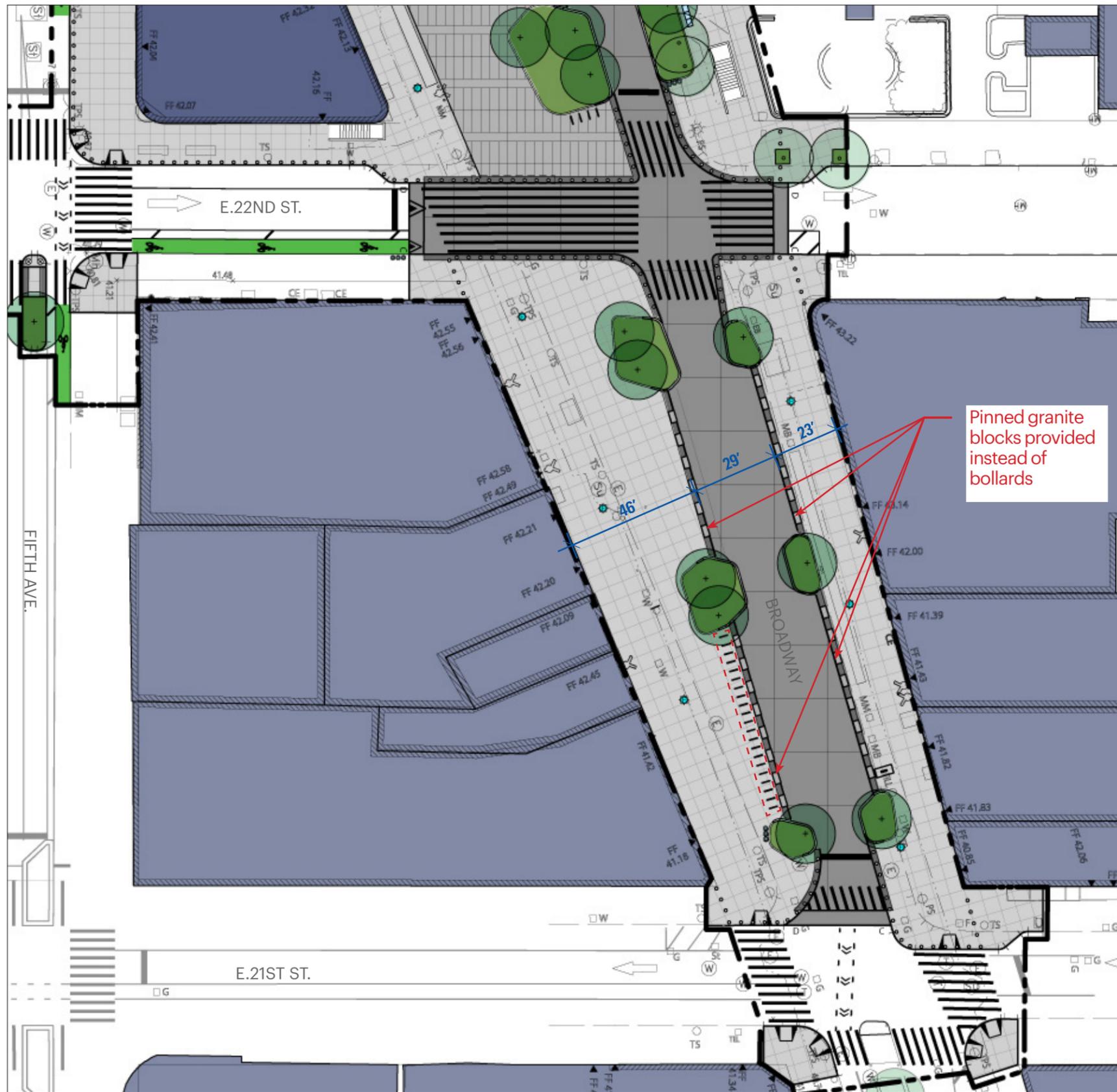




### Legend

-  Paving Type 1 - Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2 - Plaza  
Standard Pigmented Concrete
-  Paving Type 3 - Shared Street  
Standard Pigmented Concrete
-  Existing Tree to Remain
-  Proposed Tree
-  Cafe Kiosk
-  Existing Newsstand
-  Bike Lane
-  Bike Lane Security Wall
-  Perimeter Security Bollard
-  Detectable Warning Strip
-  Planting Curb with  
Integrated Security Barrier
-  CityBench with Back
-  Parks Bench with Armrests
-  Existing Park Bench
-  Movable Tables, Chairs  
& Umbrellas
-  Water Bottle Filling Station
-  Public Trash and Recycling  
Receptacles
-  DOT CityRack
-  CitiBike Station
-  Wayfinding
-  Historic/Landmarked Clock
-  Historic/Landmarked Light Pole

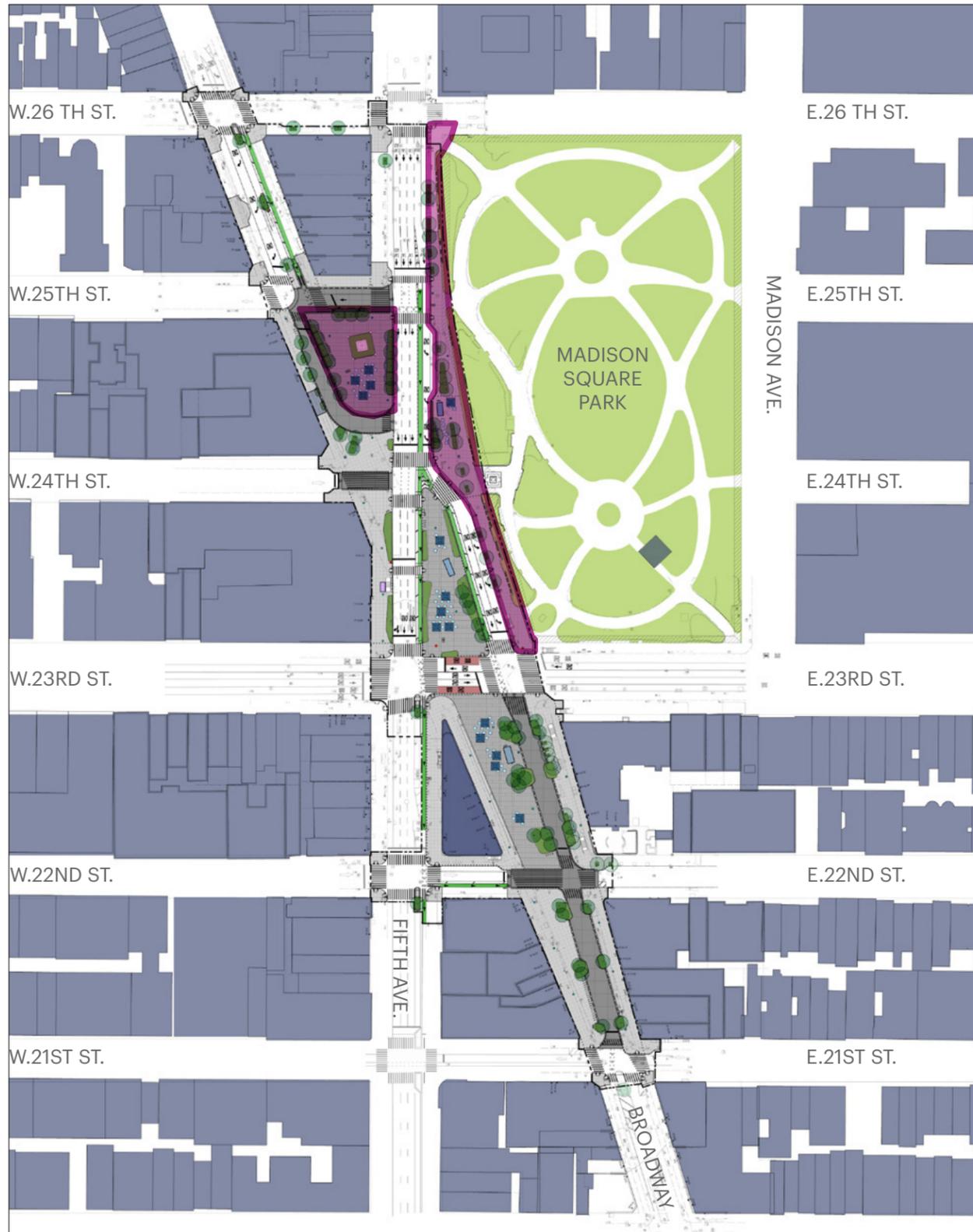




### Legend

- |  |   |  |  |
|--|---|--|--|
|  | <b>Paving Type 1 - Sidewalk</b><br>Standard Unpigmented Concrete    |  | <b>Pinned Granite Block</b><br>(Pinned granite blocks replaced bollards) |
|  | <b>Paving Type 2 - Plaza</b><br>Standard Pigmented Concrete         |  | <b>Planting Curb with Integrated Security Barrier</b>                    |
|  | <b>Paving Type 3 - Shared Street</b><br>Standard Pigmented Concrete |  | <b>CityBench with Back</b>   |
|  | <b>Existing Tree to Remain</b>                                      |  | <b>Parks Bench with Armrests</b>   |
|  | <b>Proposed Tree</b>  |  | <b>Existing Park Bench</b>   |
|  | <b>Cafe Kiosk</b>   |  | <b>Movable Tables, Chairs &amp; Umbrellas</b>                            |
|  | <b>Existing Newsstand</b>   |  | <b>Water Bottle Filling Station</b>                                      |
|  | <b>Bike Lane</b>  |  | <b>Public Trash and Recycling Receptacles</b>                            |
|  | <b>Bike Lane Security Wall</b>                                      |  | <b>DOT CityRack</b>  |
|  | <b>Perimeter Security Bollard</b>                                   |  | <b>CitiBike Station</b>  |
|  | <b>Detectable Warning Strip</b>                                     |  | <b>Wayfinding</b>  |
|  |   |  | <b>Historic/Landmarked Clock</b>   |
|  |   |  | <b>Historic/Landmarked Light Pole</b>                                    |





**Legend**

- Project Limits
- █ DPR Jurisdiction boundary

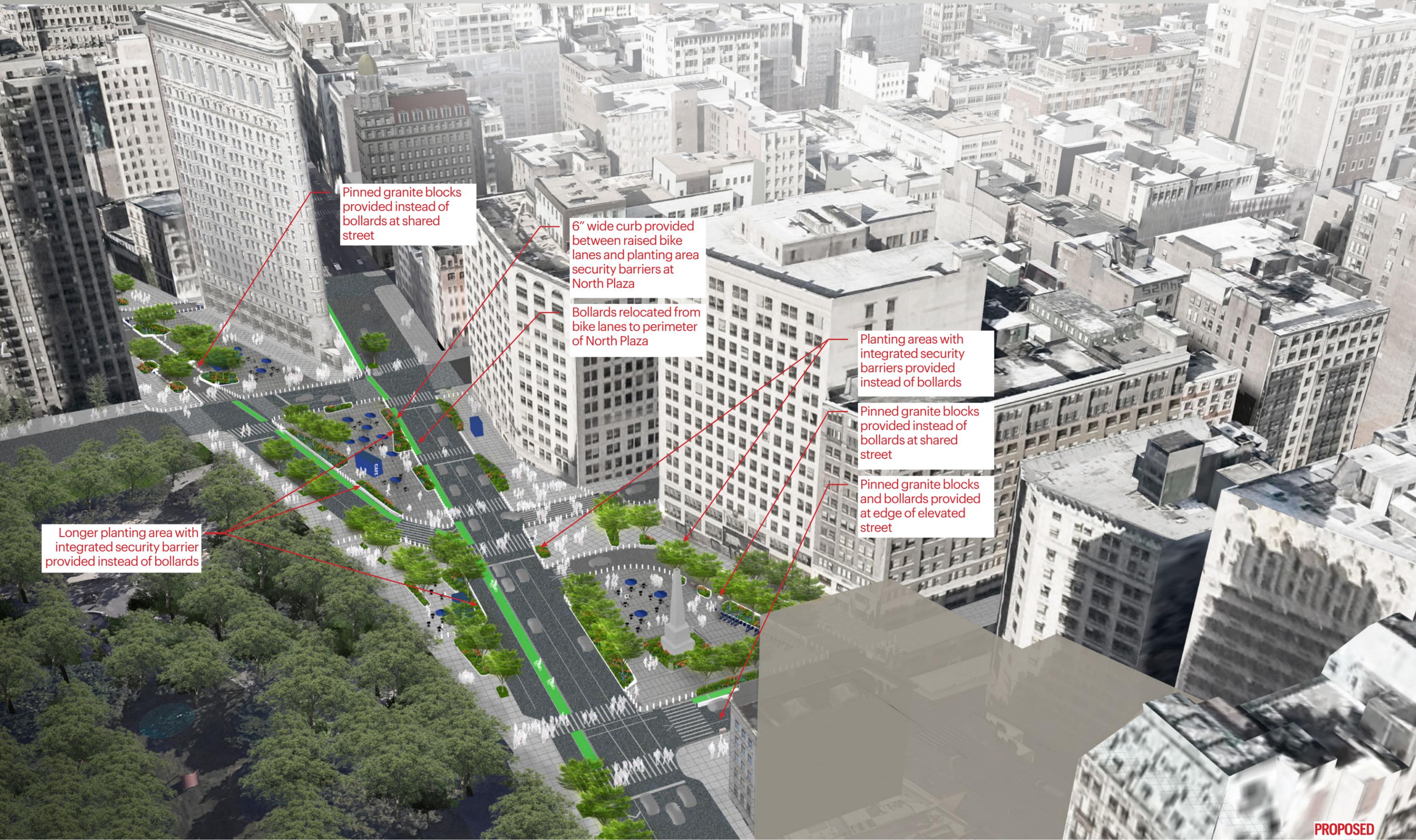


## III. Perspective Renderings

- Proposed Axon Diagram
- Worth Square
- Worth Square Security Measures
- \* North Plaza Security Measures
- North Plaza
- South Plaza Security Measures
- South Plaza



PREVIOUSLY PROPOSED



Pinned granite blocks provided instead of bollards at shared street

6" wide curb provided between raised bike lanes and planting area security barriers at North Plaza

Bollards relocated from bike lanes to perimeter of North Plaza

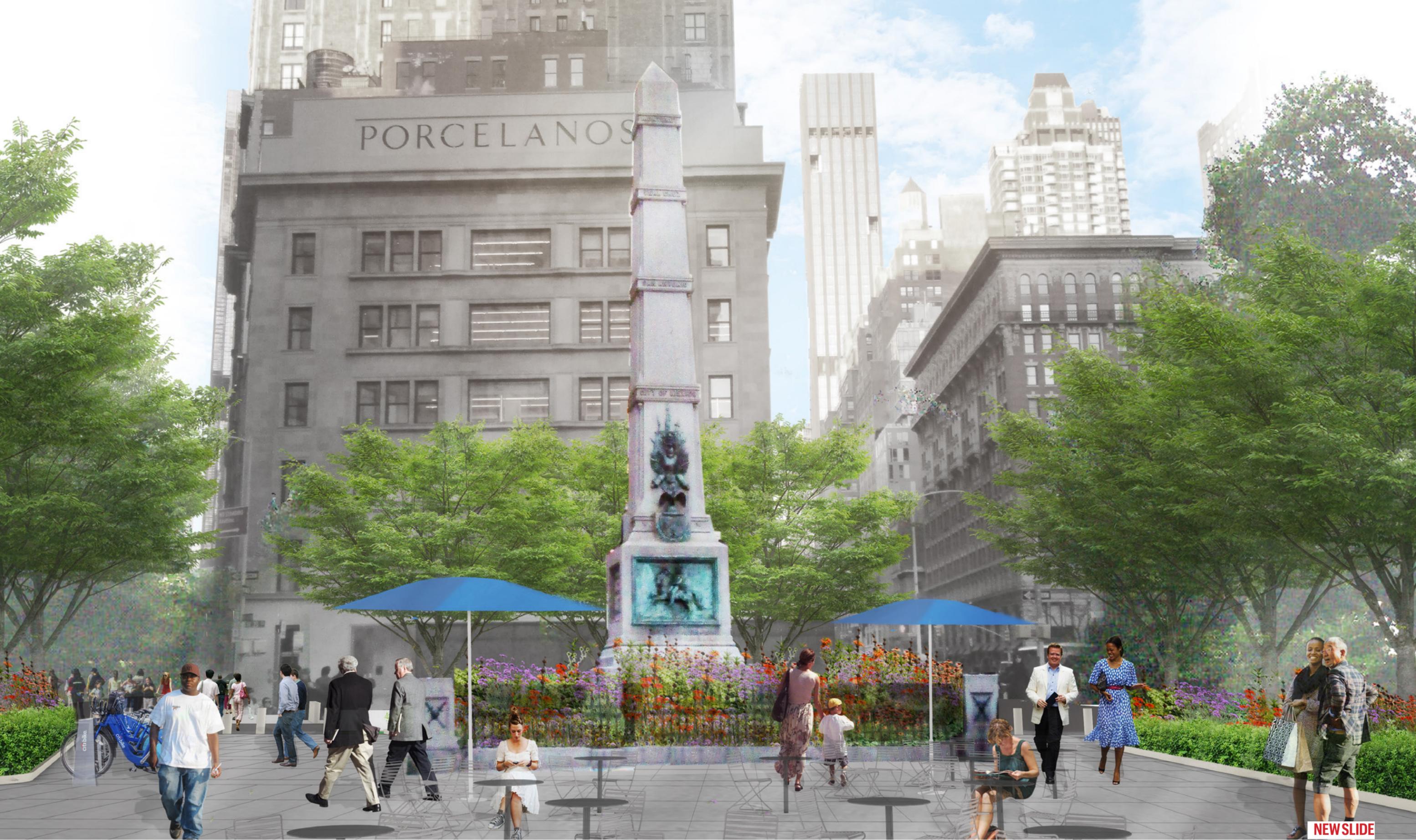
Planting areas with integrated security barriers provided instead of bollards

Pinned granite blocks provided instead of bollards at shared street

Pinned granite blocks and bollards provided at edge of elevated street

Longer planting area with integrated security barrier provided instead of bollards

PROPOSED



NEWSLIDE



**PREVIOUSLY PROPOSED**



Planting areas with integrated security barriers provided instead of bollards

Pinned granite blocks provided instead of bollards at shared street

Bollard height reduced to 36"

Planting area with integrated security barriers provided instead of bollards

**PROPOSED**



**PREVIOUSLY PROPOSED**

Longer planting areas with integrated security barriers provided instead of bollards

Bollard height reduced

6" wide curb provided between raised bike lanes and planting area security barriers at

Bollards relocated from bike lanes to perimeter



Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021

Proposed Perspective

North Plaza

PROPOSED



**NEWSLIDE**



**AECOM MNLA**

Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021

Proposed Perspective

North Plaza



**PREVIOUSLY PROPOSED**



Bollard height reduced to 36"

PROPOSED



Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021

Proposed Perspective

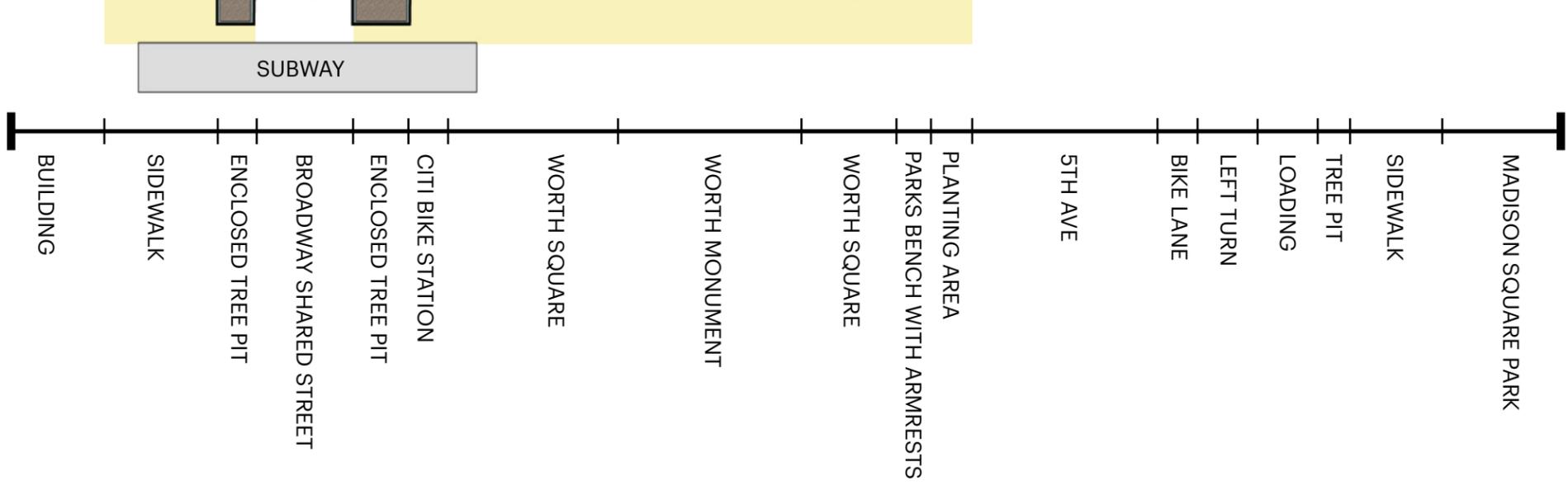
Broadway at 23rd Street



NEWSLIDE

## IV. Sections

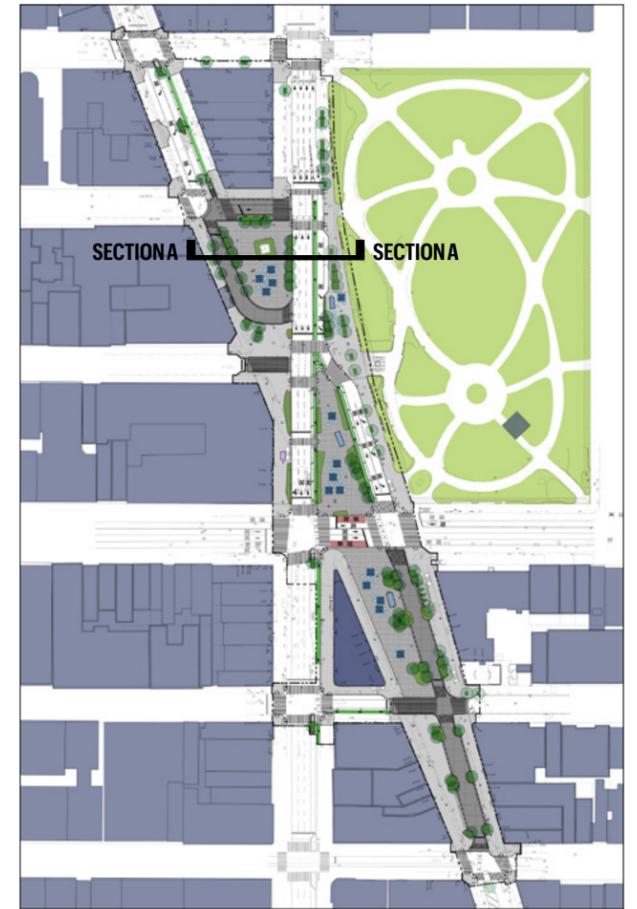
- Section A - Worth Square (W/E)
- Section B - North Plaza (W/E)
- Section C - South Plaza (W/E)
- Section D - Worth Square (S/N)
- Section E - North Plaza (N/S)
- Section F - South Plaza (N/S)



**AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER**



**PROPOSED CONDITIONS  
KEY PLAN**





SUBWAY

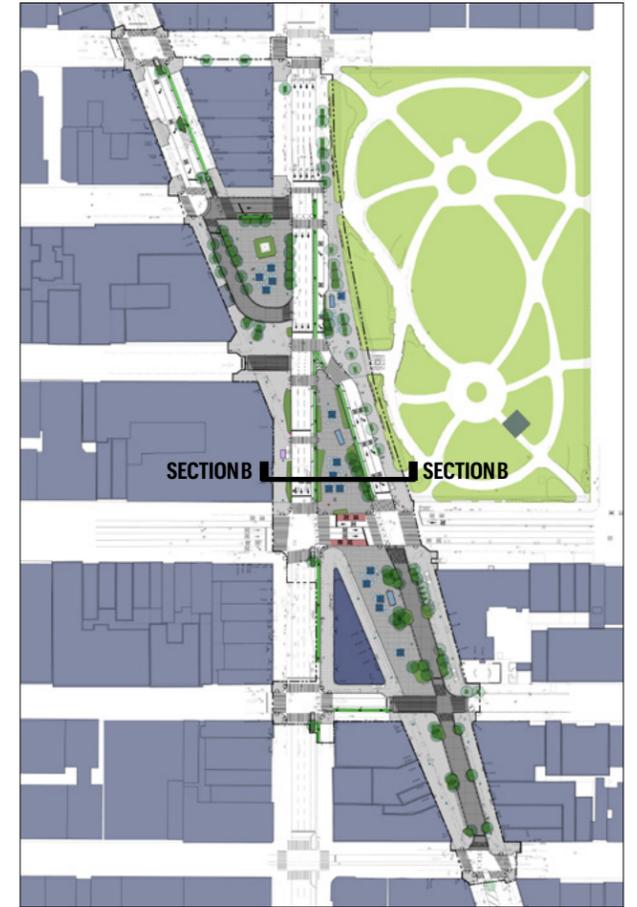
BUILDING  
SIDEWALK  
PLANTING AREA  
5TH AVENUE  
BIKE LANE  
PLANTING AREA  
NORTH PLAZA  
PLANTING AREA  
BIKE LANE  
BROADWAY  
LEFT TURN  
SIDEWALK  
MADISON SQUARE PARK

AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER



EXISTING CONDITIONS

KEY PLAN



PREVIOUSLY PROPOSED



Bollards relocated from bike lanes to perimeter of North Plaza. Longer planting areas with integrated security barriers provided instead of bollards. 6" inch wide curb provided between raised bike lanes and planting area security barriers at North Plaza.

SUBWAY

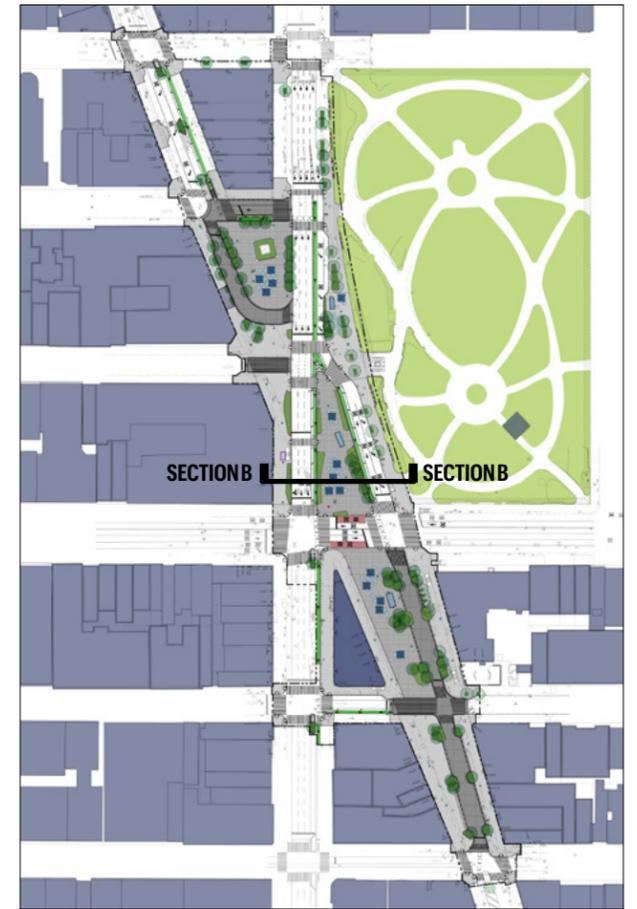
BUILDING  
SIDEWALK  
PLANTING AREA  
5TH AVENUE  
BIKE LANE  
PLANTING AREA  
NORTH PLAZA  
PLANTING AREA  
BIKE LANE  
BROADWAY  
LEFT TURN  
SIDEWALK  
MADISON SQUARE PARK

AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER



EXISTING CONDITIONS

KEY PLAN



PROPOSED



AECOM MNLA

Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021

Proposed Section  
Scale: As Noted

Section B - North Plaza (W/E)



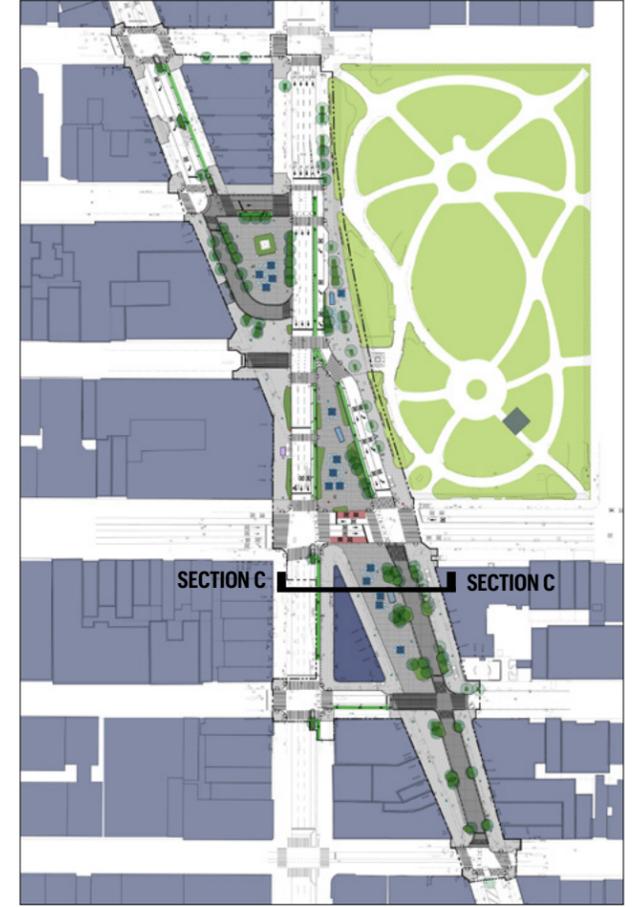
SUBWAY

SIDEWALK  
5TH AVENUE  
BIKE LANE  
SIDEWALK  
FLATIRON  
SIDEWALK  
SOUTH PLAZA  
ENCLOSED TREE PIT  
BROADWAY SHARED STREET  
PLANTING AREA  
SIDEWALK  
SUBWAY ENTRANCE  
SIDEWALK  
BUILDING

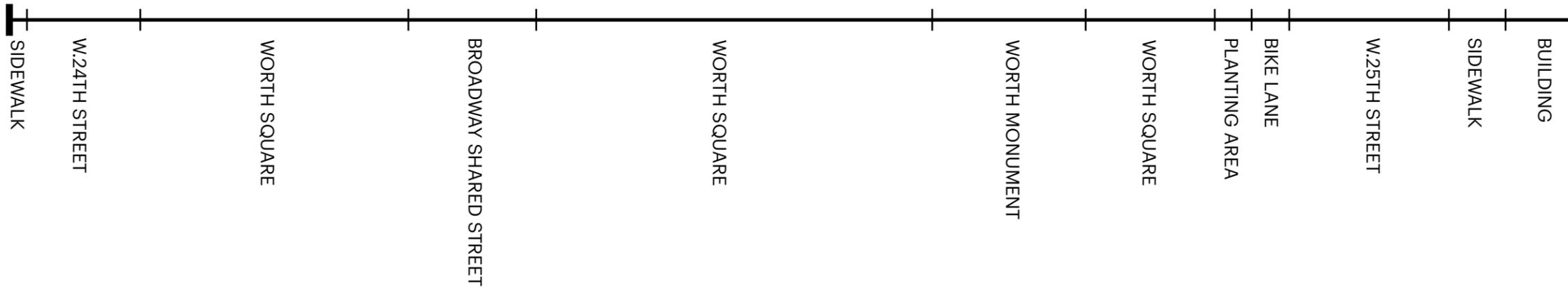
AREA WITHIN NYPD COUNTER-TERRORISM  
DETERMINED SECURITY MEASURES PERIMETER

0 25

EXISTING CONDITIONS  
KEY PLAN



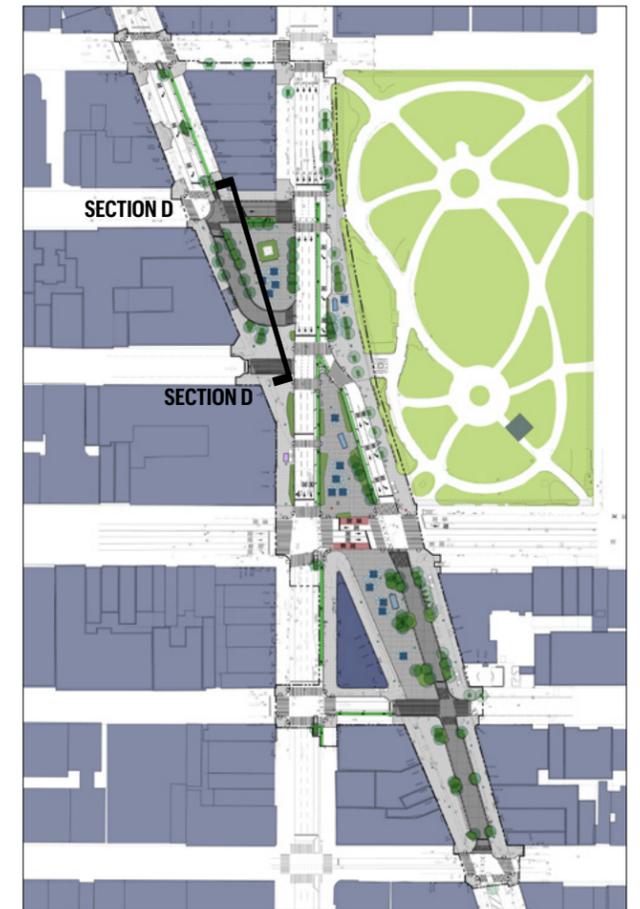
N 0 300



**AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER**



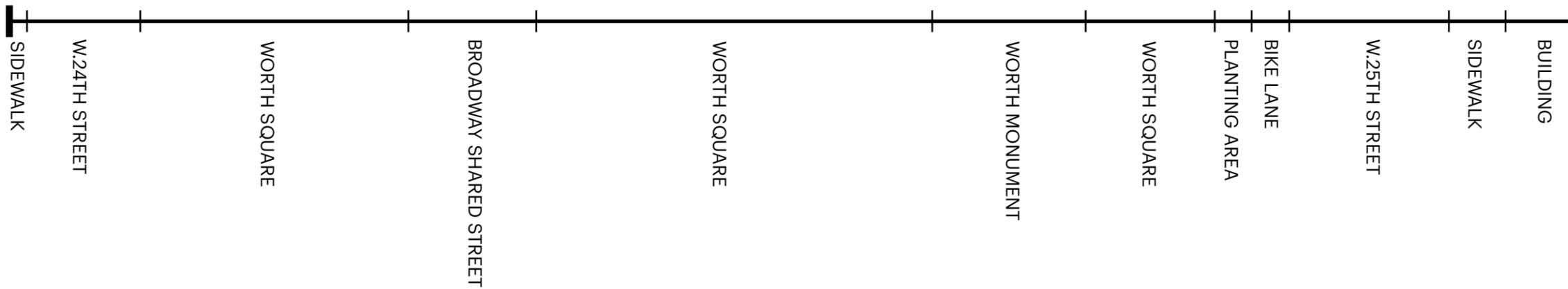
**EXISTING CONDITIONS  
KEY PLAN**



**PREVIOUSLY PROPOSED**



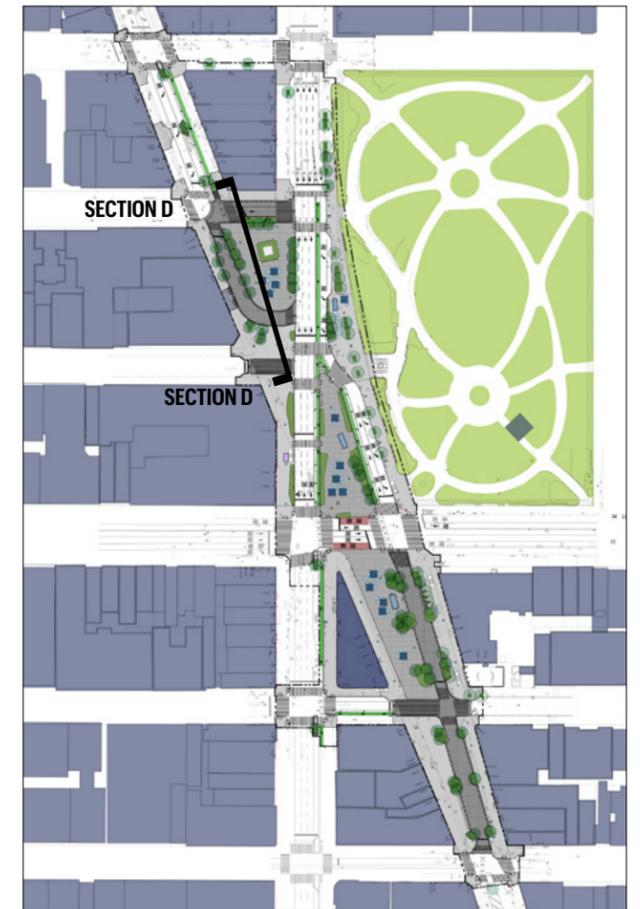
Security perimeter of bollards and pinned granite blocks added to elevated portion of W. 25th Street



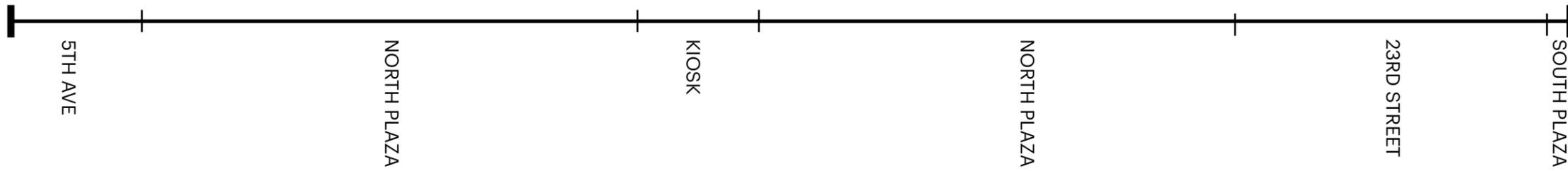
AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER



EXISTING CONDITIONS  
KEY PLAN



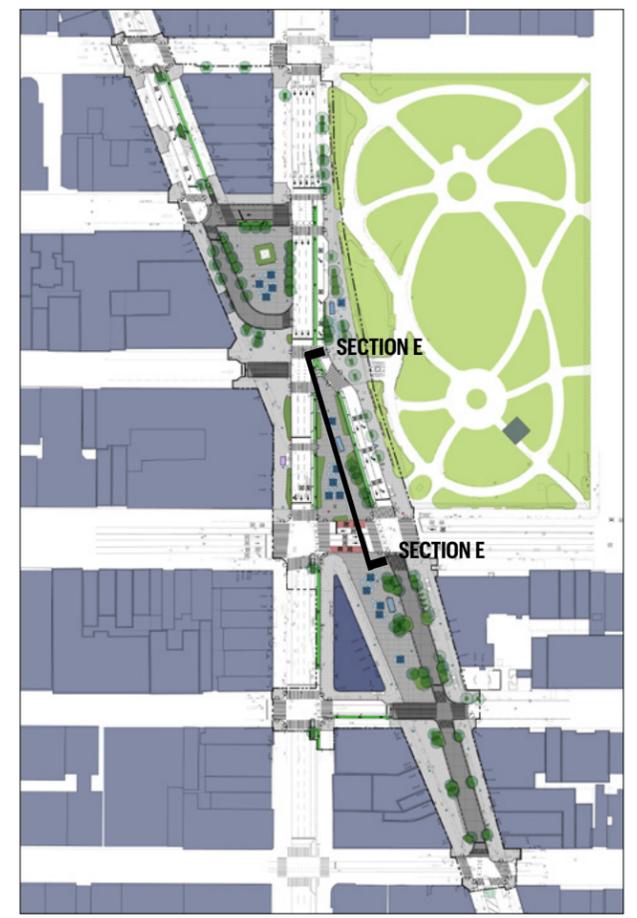
PROPOSED



**AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER**



**EXISTING CONDITIONS  
KEY PLAN**



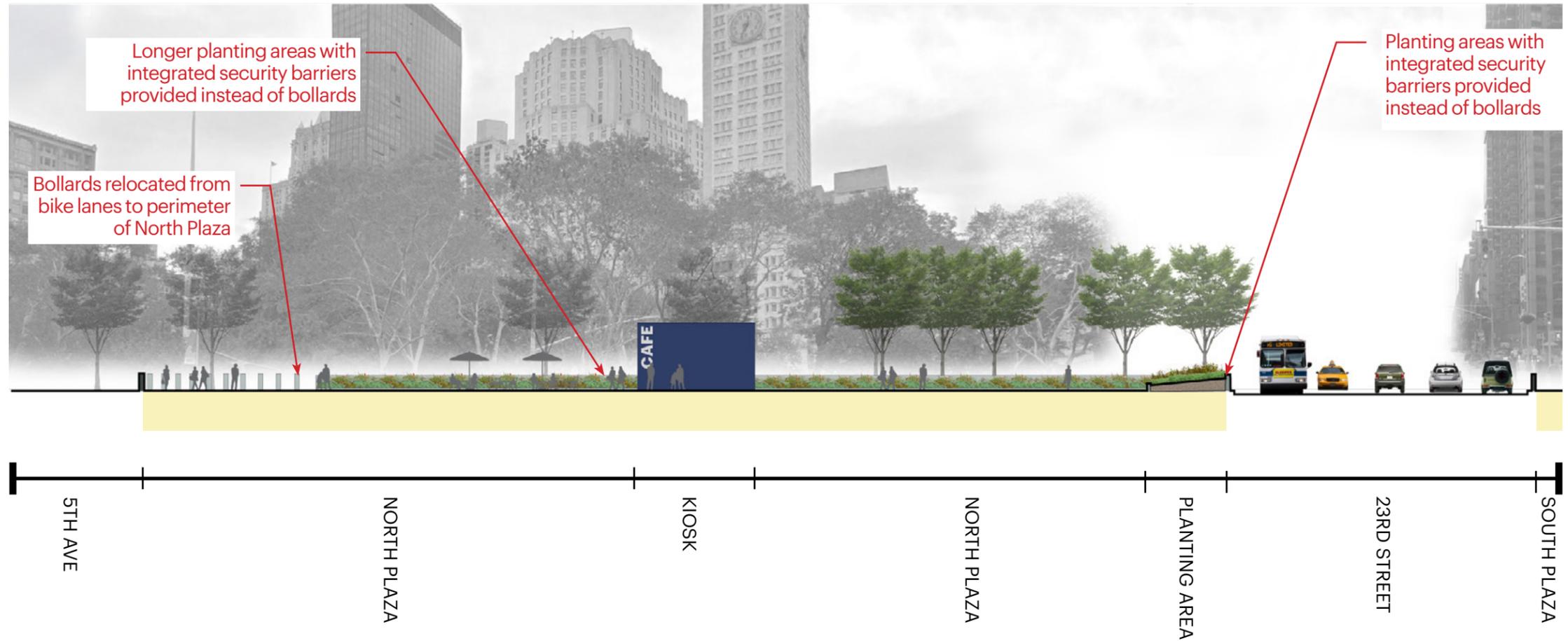
**PREVIOUSLY PROPOSED**



Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021

Proposed Section  
Scale: As Noted

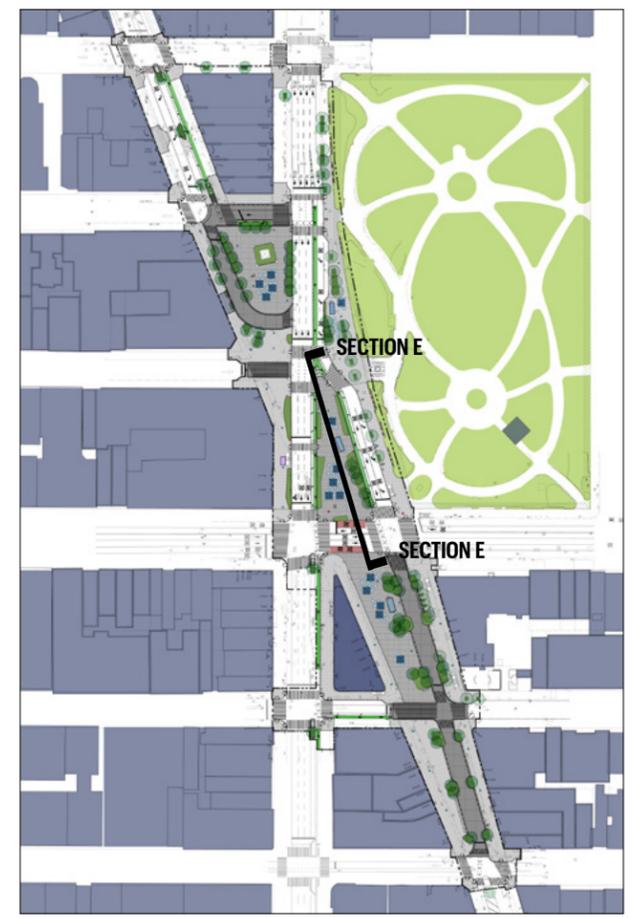
Section E - North Plaza (N/S)



**AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER**



**EXISTING CONDITIONS  
KEY PLAN**



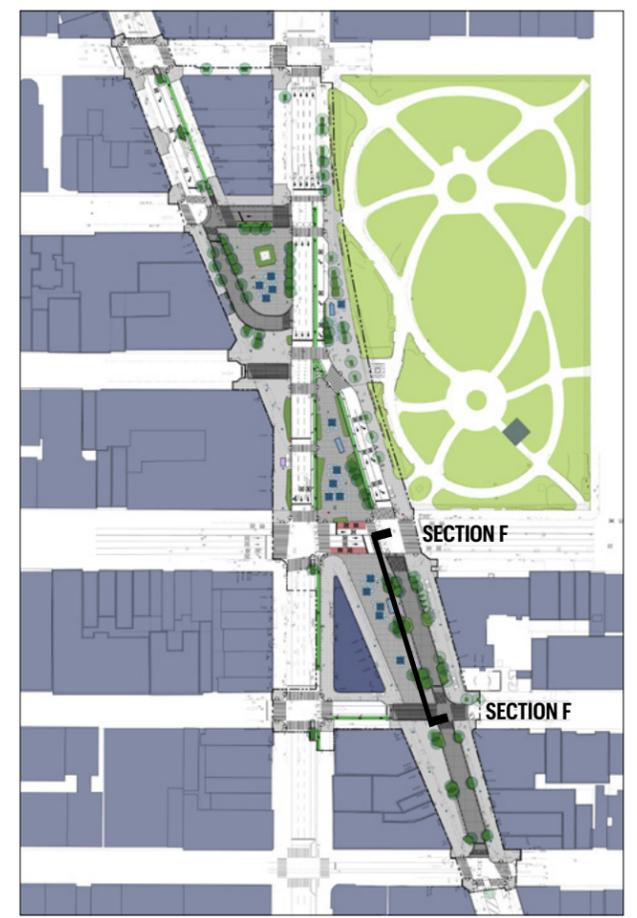
**PROPOSED**



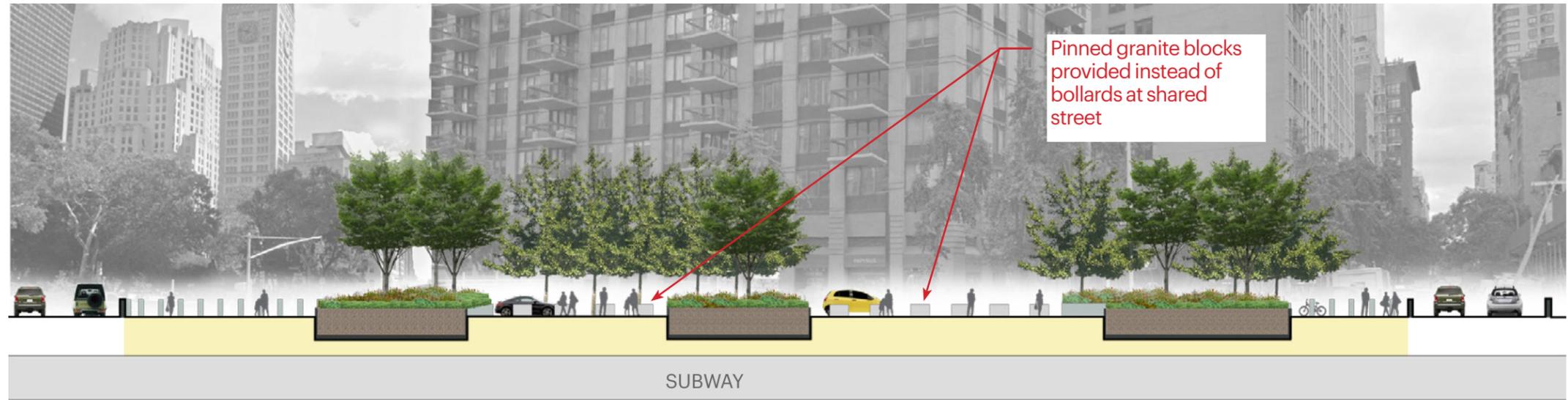
**AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER**



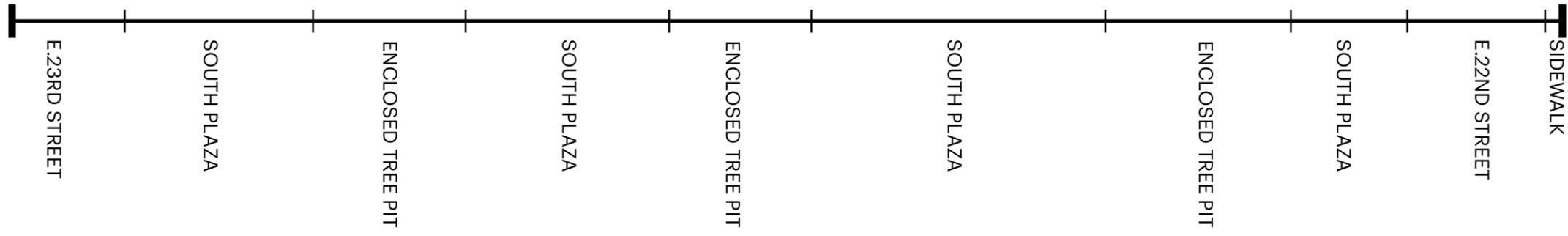
**EXISTING CONDITIONS  
KEY PLAN**



**PREVIOUSLY PROPOSED**



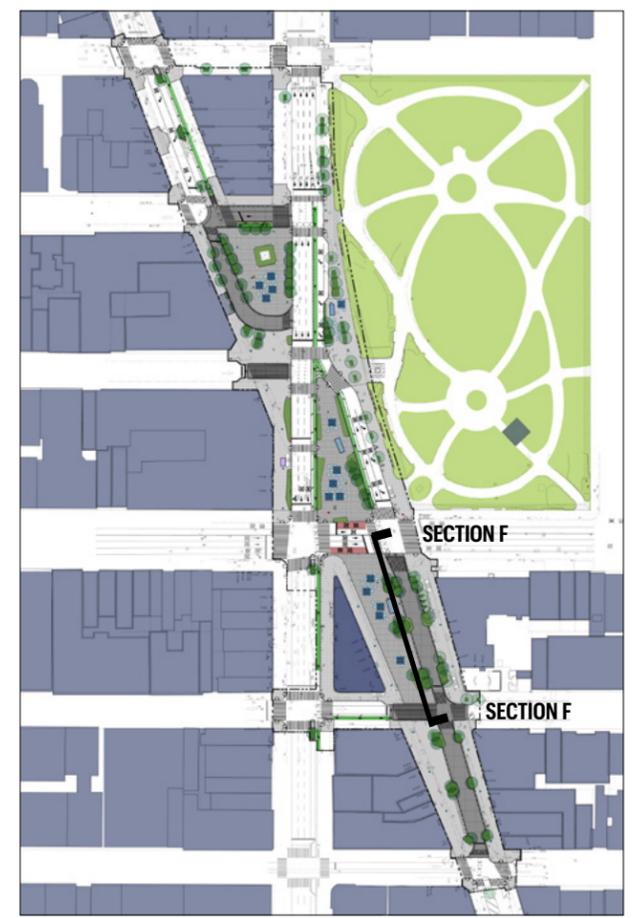
Pinned granite blocks provided instead of bollards at shared street



AREA WITHIN NYPD COUNTER-TERRORISM DETERMINED SECURITY MEASURES PERIMETER

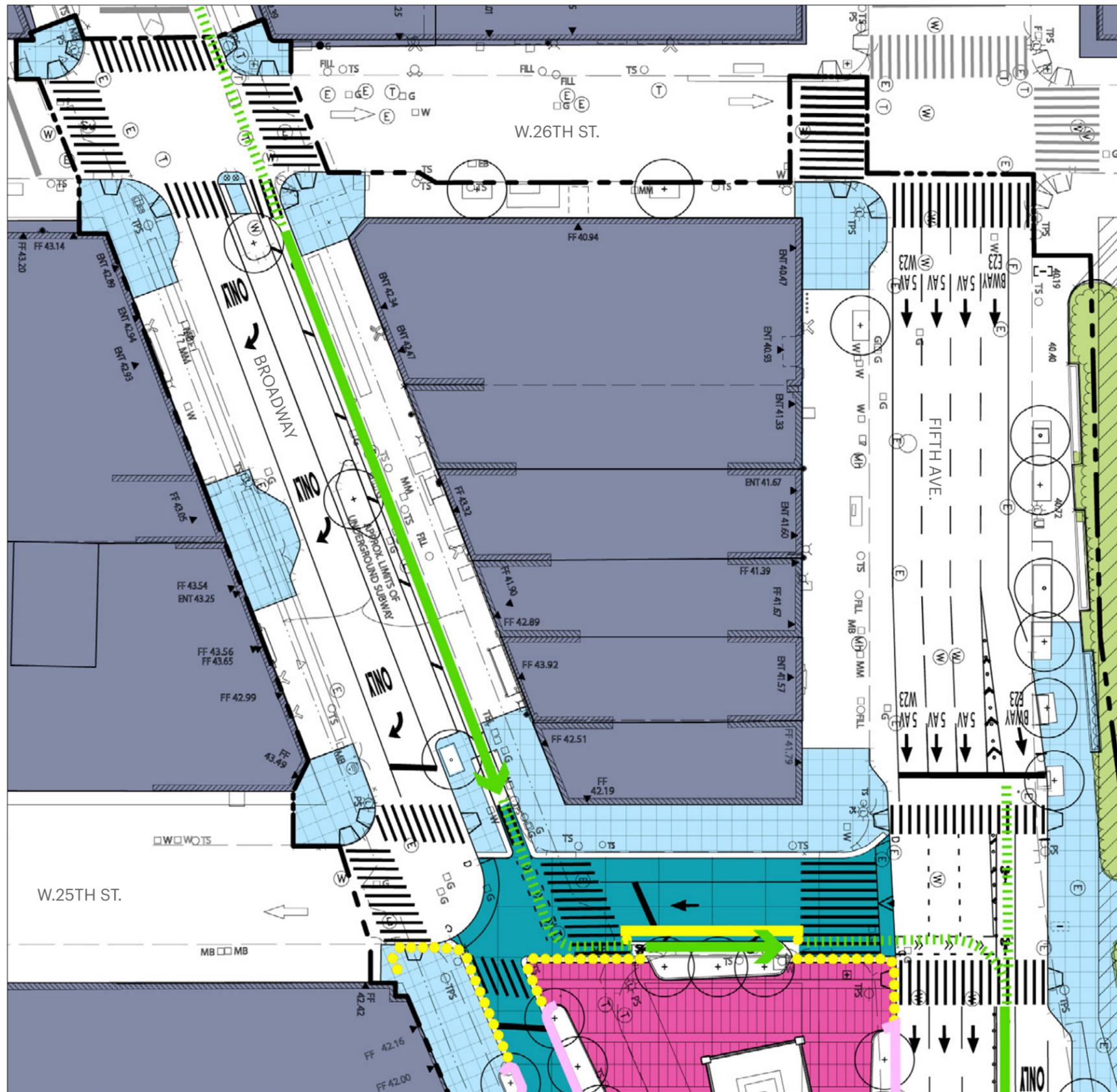


EXISTING CONDITIONS  
KEY PLAN



# V. Security Study

- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
  - Security Measure - Take-offs

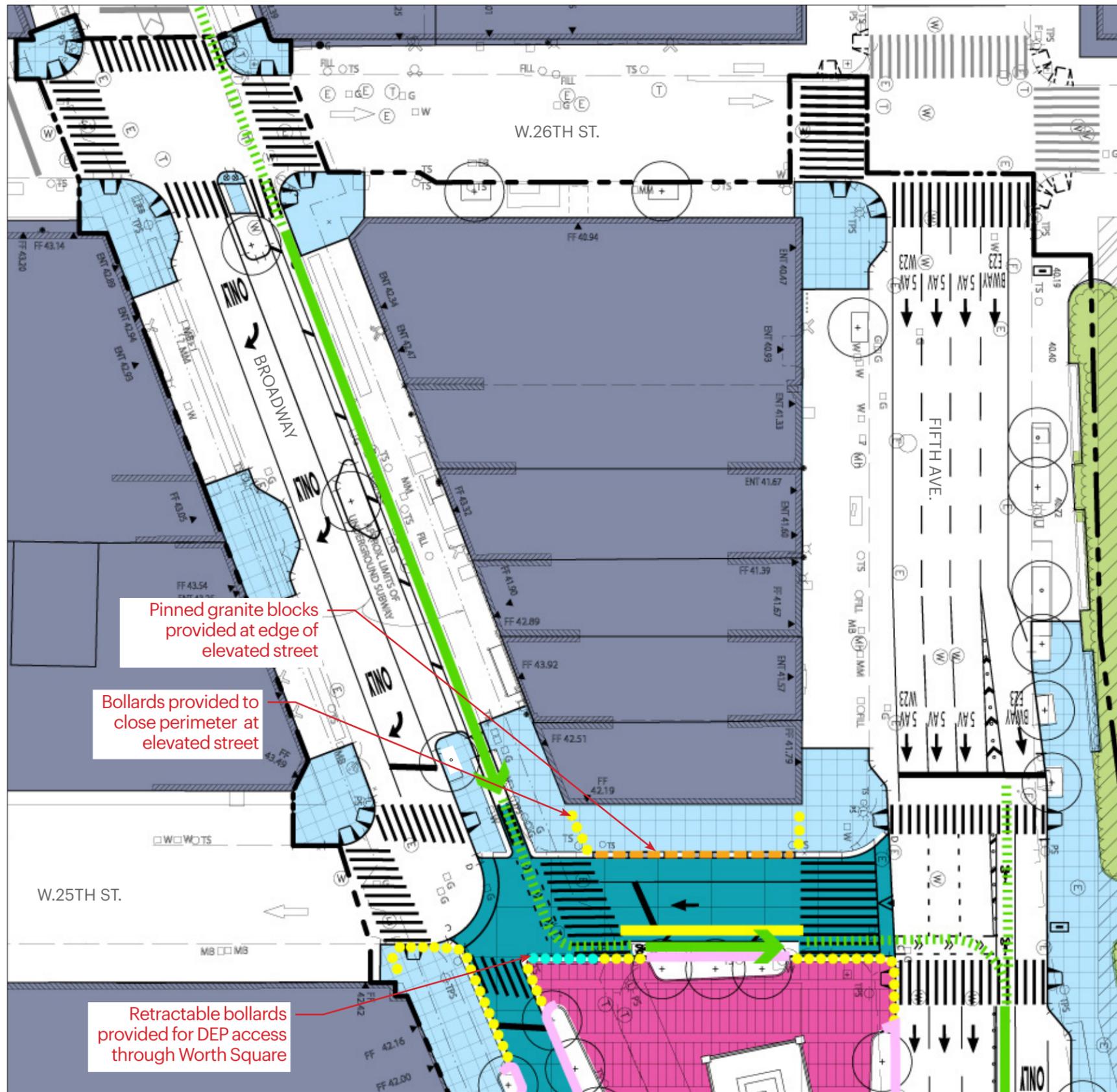


**Legend**

-  Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
-  Paving Type 2- Plaza  
Standard Pigmented Concrete
-  Paving Type 3- Shared Street  
Standard Pigmented Concrete
-  Bike Circulation
-  Permanent Bollards
-  Removable Bollards
-  Bike Lane Deterrent Walls with Integrated Security Barrier
-  Planter Walls with Integrated Security Barrier



**PREVIOUSLY PROPOSED**

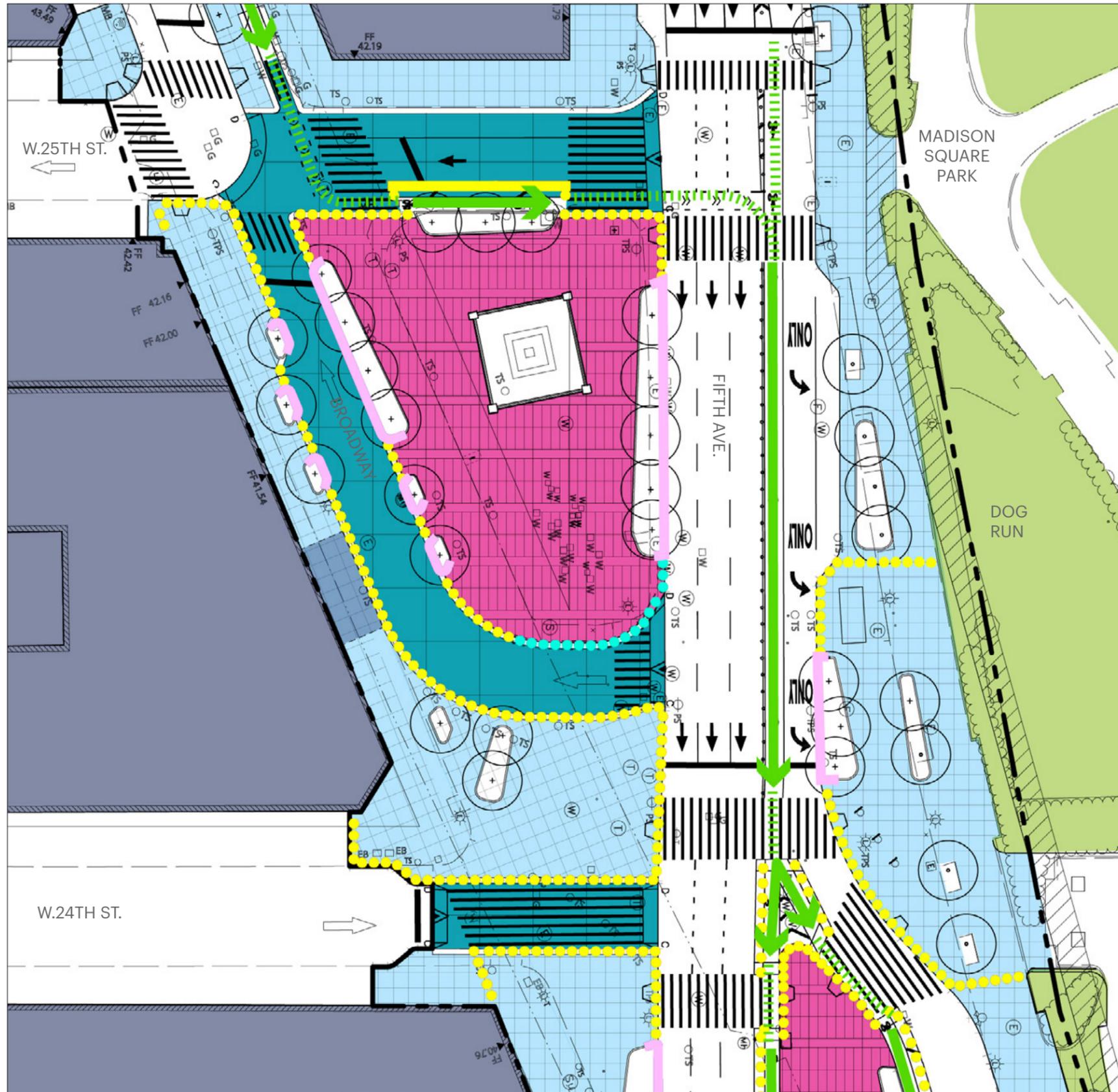


**Legend**

- Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
- Paving Type 2- Plaza  
Standard Pigmented Concrete
- Paving Type 3- Shared Street  
Standard Pigmented Concrete
- Bicycle Circulation**
- Permanent Bollards**
- Retractable Bollards** (Retractable bollards replaced removable bollards)
- Bike Lane Deterrent Walls with Integrated Security Barrier**
- Planter Walls with Integrated Security Barrier**
- Pinned Granite Blocks** (Pinned granite blocks added to raised street)



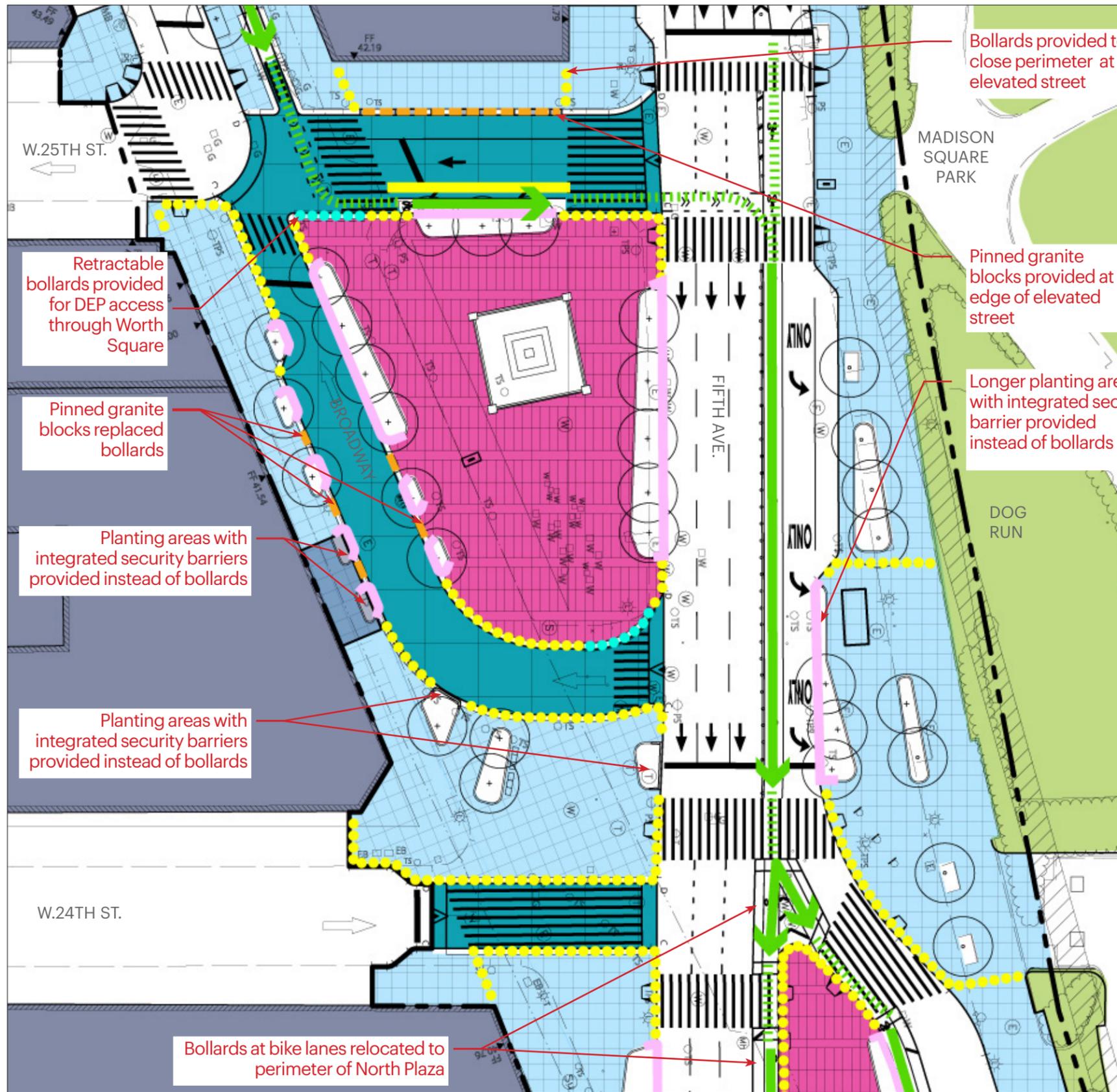
**PROPOSED**



**Legend**

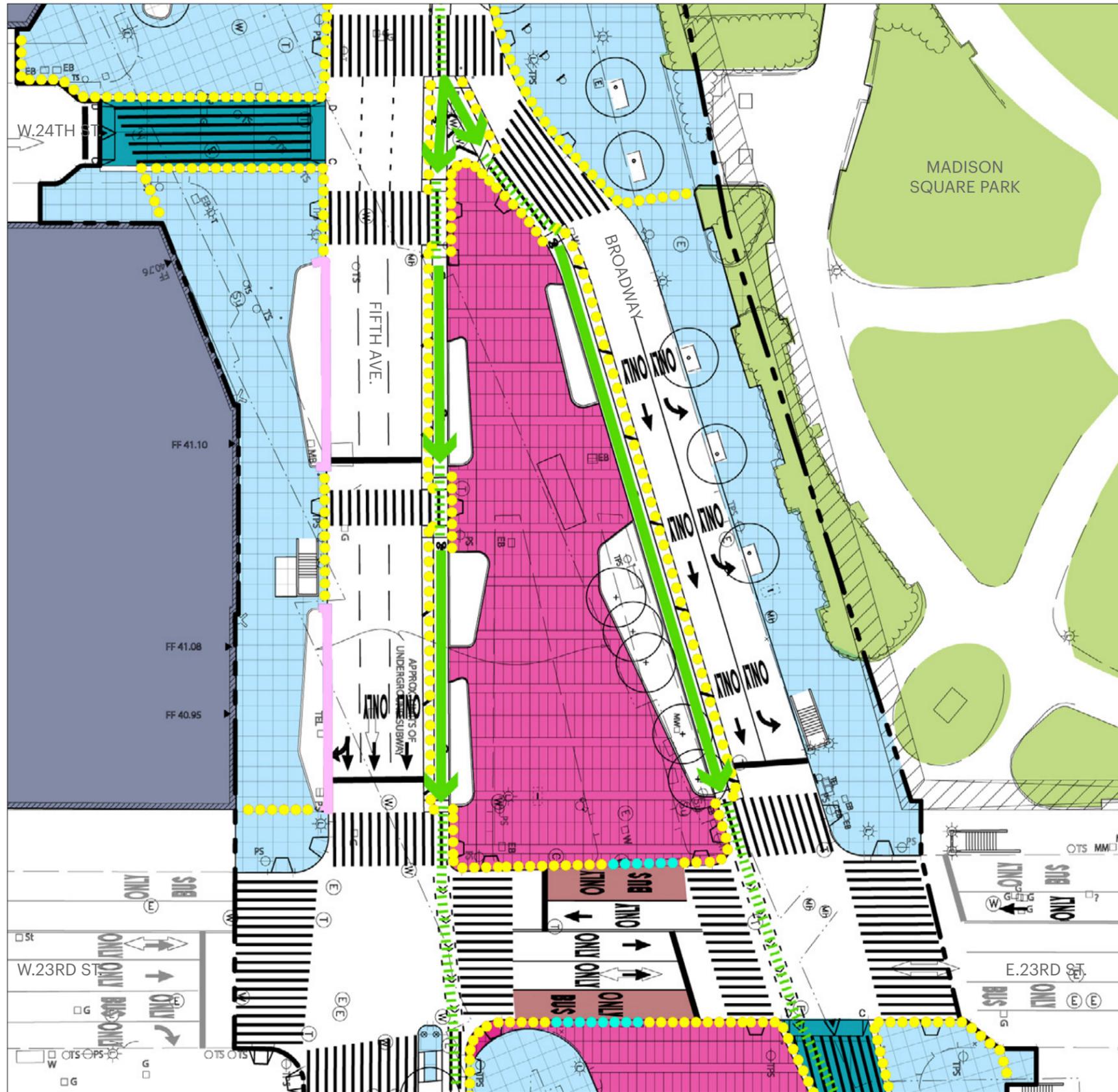
- Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
- Paving Type 2- Plaza  
Standard Pigmented Concrete
- Paving Type 3- Shared Street  
Standard Pigmented Concrete
- Bike Circulation
- Permanent Bollards
- Removable Bollards
- Bike Lane Deterrent Walls with Integrated Security Barrier
- Planter Walls with Integrated Security Barrier





**Legend**

- Paving Type 1- Sidewalk**  
Standard Unpigmented Concrete
  - Paving Type 2- Plaza**  
Standard Pigmented Concrete
  - Paving Type 3- Shared Street**  
Standard Pigmented Concrete
  - Bike Circulation**
  - Permanent Bollards**
  - Retractable Bollards** (Retractable bollards replaced removable bollards)
  - Bike Lane Deterrent Walls with Integrated Security Barrier**
  - Planter Walls with Integrated Security Barrier**
  - Pinned Granite Blocks** (Pinned granite blocks replaced bollards)
- N  
0 40

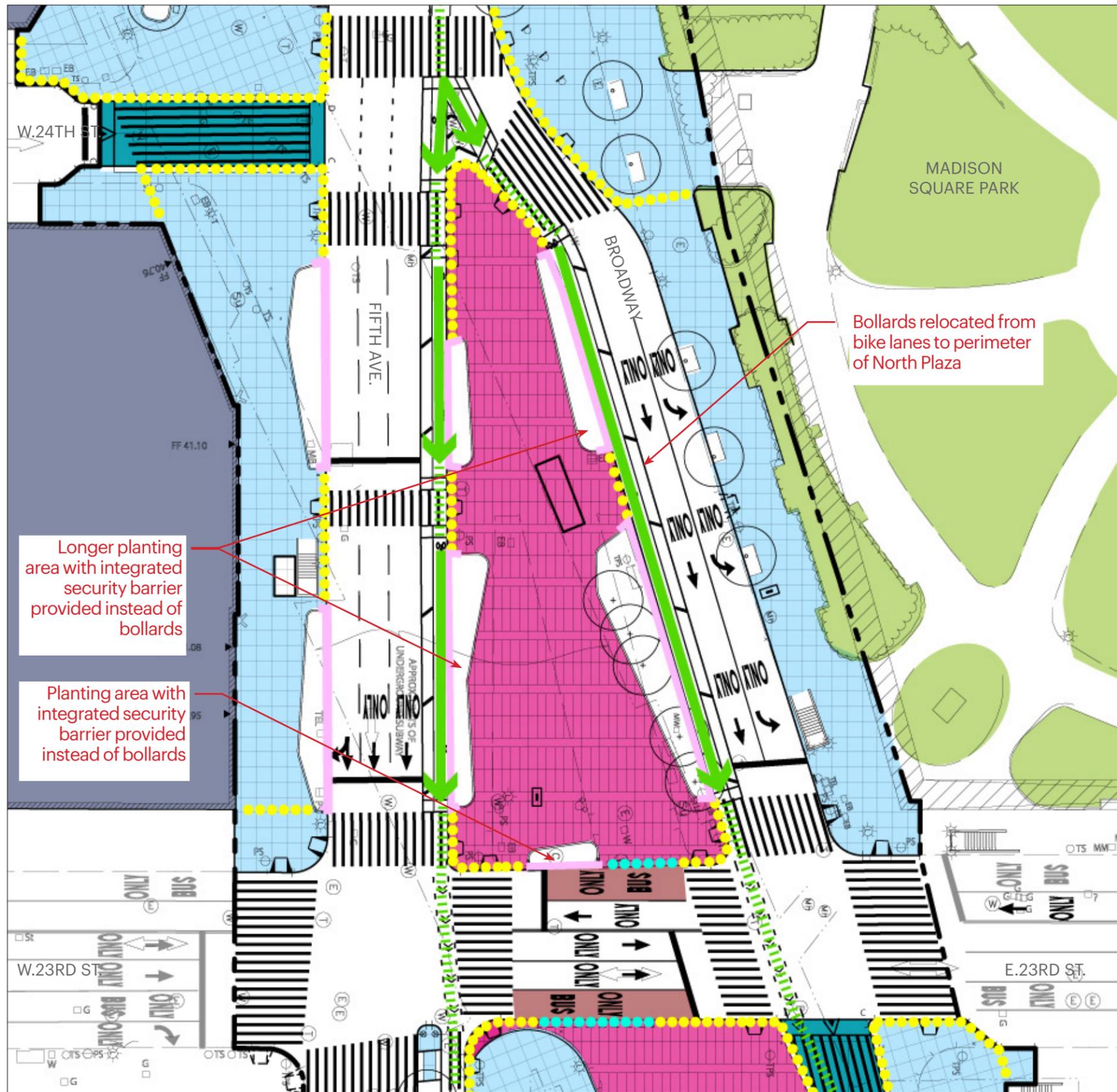


**Legend**

- Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
- Paving Type 2- Plaza  
Standard Pigmented Concrete
- Paving Type 3- Shared Street  
Standard Pigmented Concrete
- Bike Circulation
- Permanent Bollards
- Removable Bollards
- Bike Lane Deterrent Walls with Integrated Security Barrier
- Planter Walls with Integrated Security Barrier



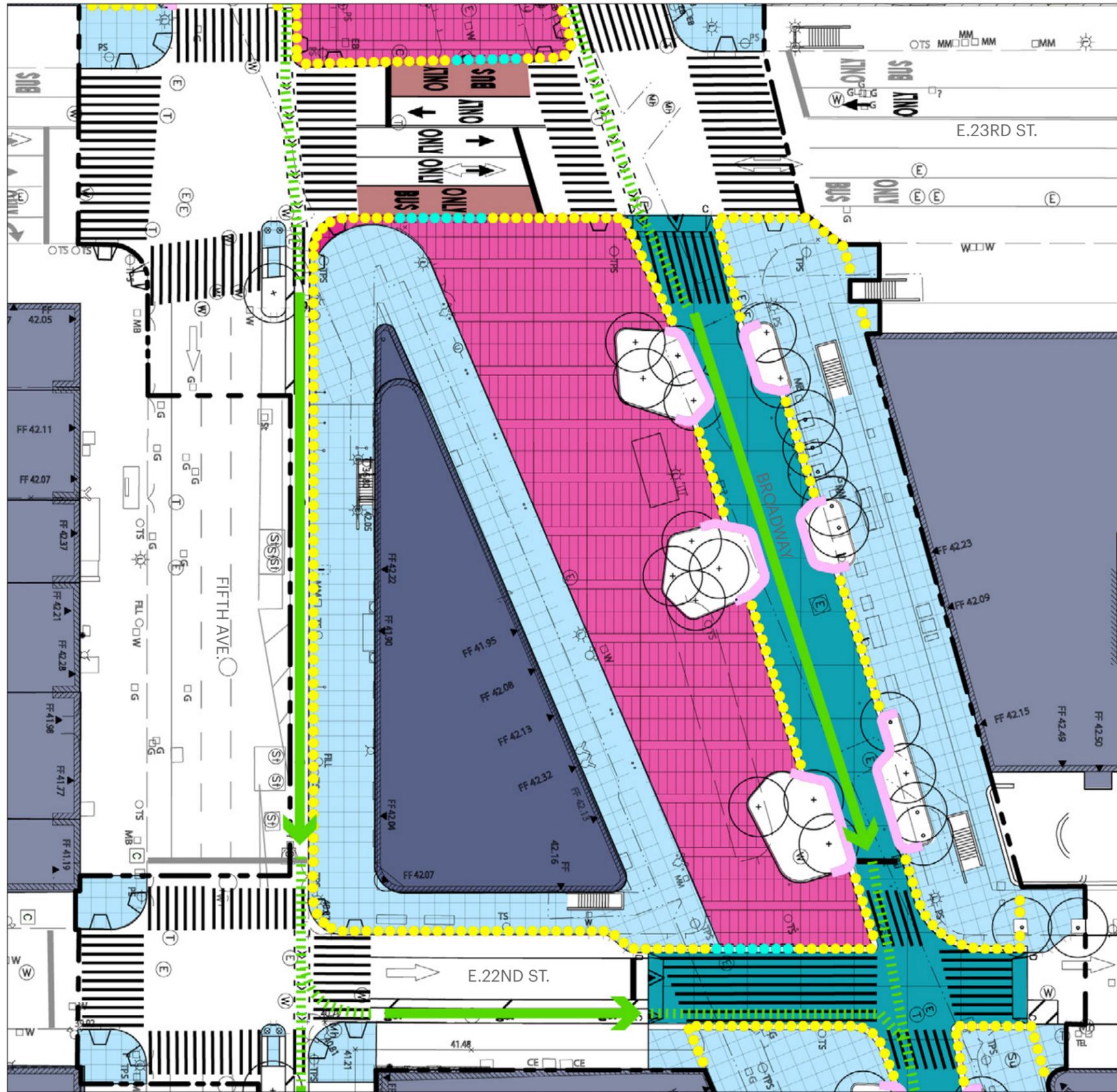
**PREVIOUSLY PROPOSED**



### Legend

- Paving Type 1- Sidewalk**  
Standard Unpigmented Concrete
- Paving Type 2- Plaza**  
Standard Pigmented Concrete
- Paving Type 3- Shared Street**  
Standard Pigmented Concrete
- Bike Circulation**
- Permanent Bollards**
- Retractable Bollards** (Retractable bollards replaced removable bollards)
- Planter Walls with Integrated Security Barrier**
- Pinned Granite Blocks** (Pinned granite blocks replaced bollards)



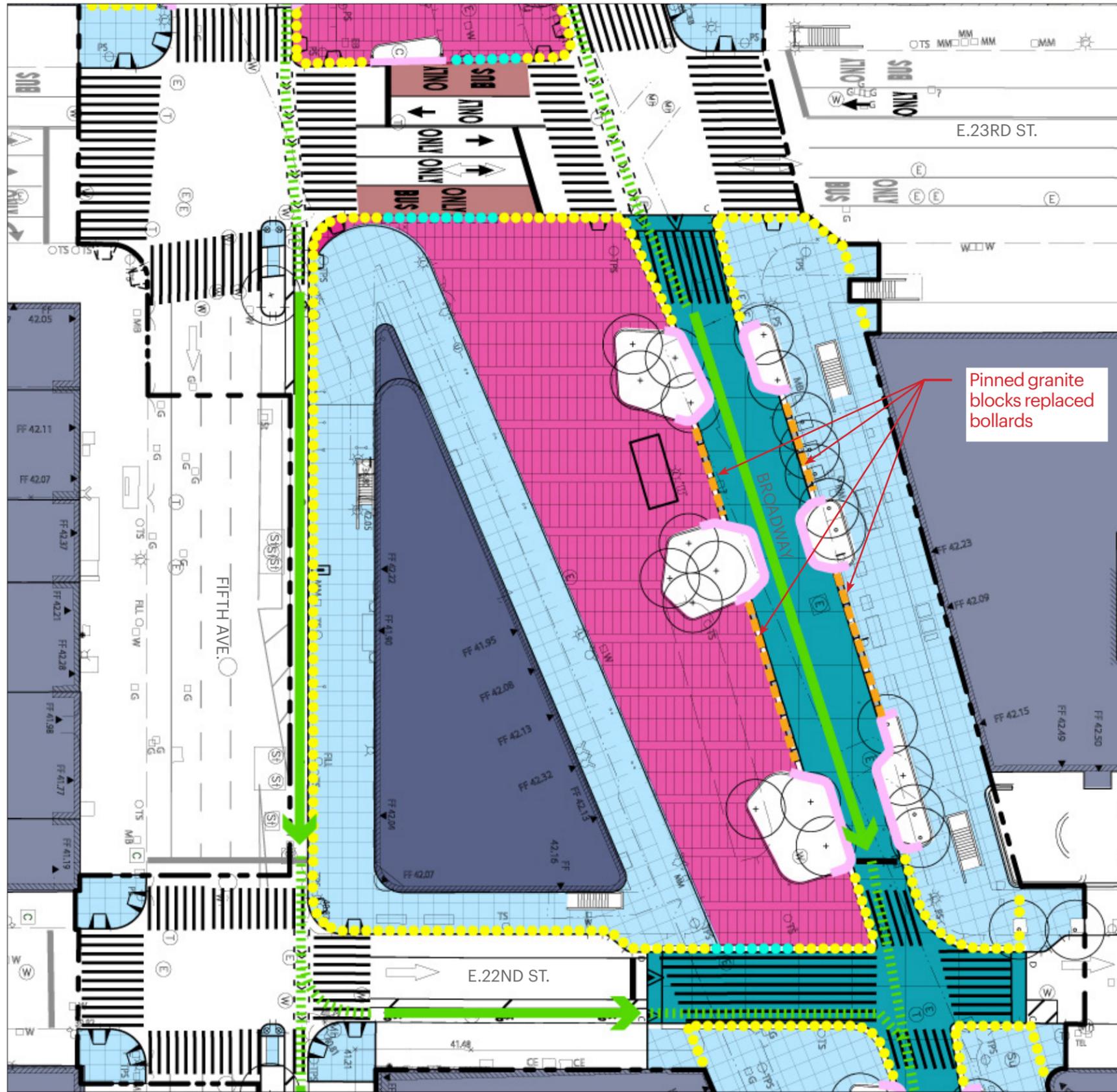


**Legend**

- Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
- Paving Type 2- Plaza  
Standard Pigmented Concrete
- Paving Type 3- Shared Street  
Standard Pigmented Concrete
- Bike Circulation
- Permanent Bollards
- Removable Bollards
- Bike Lane Deterrent Walls with Integrated Security Barrier
- Planter Walls with Integrated Security Barrier



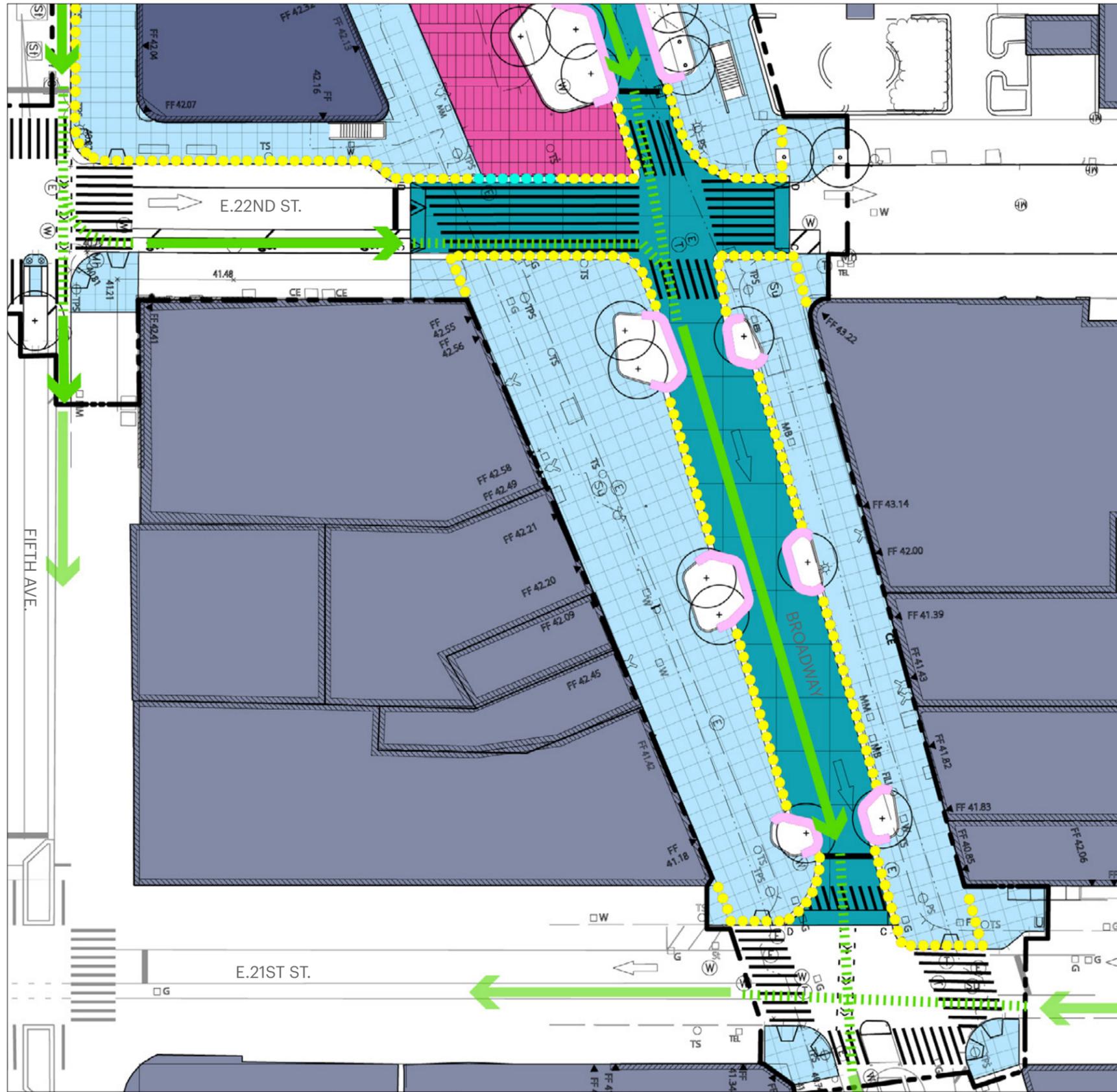
**PREVIOUSLY PROPOSED**



**Legend**

- Paving Type 1- Sidewalk**  
Standard Unpigmented Concrete
- Paving Type 2- Plaza**  
Standard Pigmented Concrete
- Paving Type 3- Shared Street**  
Standard Pigmented Concrete
- Bike Circulation**
- Permanent Bollards**
- Retractable Bollards** (Retractable bollards replaced removable bollards)
- Planter Walls with Integrated Security Barrier**
- Pinned Granite Blocks** (Pinned granite blocks replaced bollards)



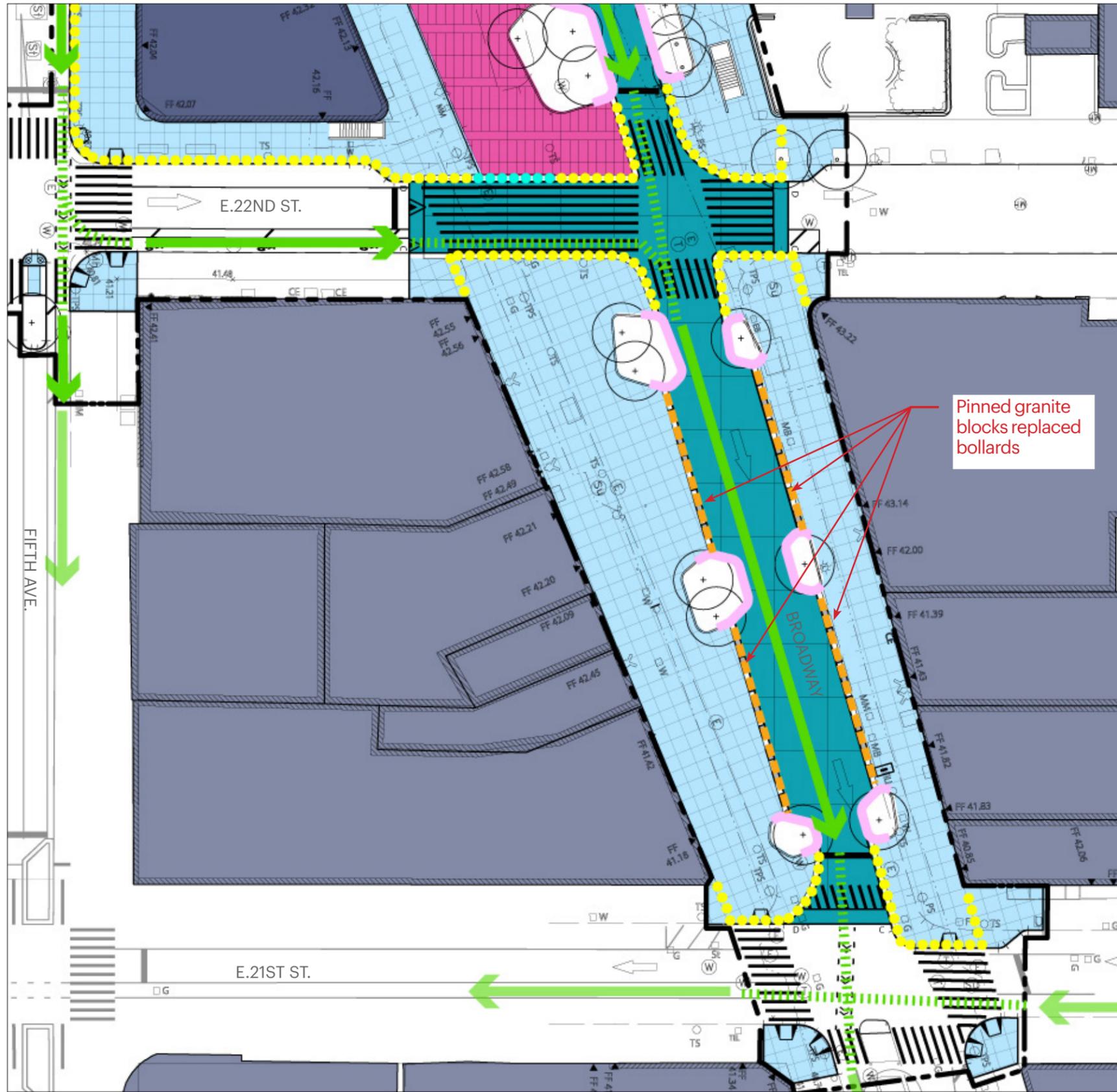


**Legend**

- Paving Type 1- Sidewalk  
Standard Unpigmented Concrete
- Paving Type 2- Plaza  
Standard Pigmented Concrete
- Paving Type 3- Shared Street  
Standard Pigmented Concrete
- Bike Circulation
- Permanent Bollards
- Removable Bollards
- Bike Lane Deterrent Walls with Integrated Security Barrier
- Planter Walls with Integrated Security Barrier



**PREVIOUSLY PROPOSED**



**Legend**

- Paving Type 1- Sidewalk**  
Standard Unpigmented Concrete
- Paving Type 2- Plaza**  
Standard Pigmented Concrete
- Paving Type 3- Shared Street**  
Standard Pigmented Concrete
- Bike Circulation**
- Permanent Bollards**
- Removable Bollards** (Retractable bollards replaced removable bollards)
- Planter Walls with Integrated Security Barrier**
- Pinned Granite Blocks** (Pinned granite blocks replaced bollards)





### Bollards

The embedded bollards are envisioned to be a standard material and finish with a uniform size and spacing. For example, stainless steel with a bead blast finish that can be specified with either a flat or domed top.

# VI. Granite Block Study

- Context & Analysis
- Recommendations





In order to provide a recommendation for the granite block design aesthetic as a security measure within the Flatiron District, a visual study along its Broadway context was done. The analysis looked at how best to integrate the blocks within the neighborhood character in order to provide an appropriate element for the district.

When the security measures complement design features of its context, such as architecture, paving, or site furnishings, the elements are perceived to be less of a physical barrier to pedestrians, making the site feel more welcoming and accessible. When they are integrated with paving and consistent in detail, they support the cohesive materiality of the neighborhood without adding visual clutter to the streetscape. In many cases, these elements are used by the community for moments of respite along their journey.

Along Broadway, the granite blocks vary in size, color, and finish. Generally, the blocks are approximately 36"-60" wide, 20"-30" high, and 20"-36" deep. These elements should relate to other granite blocks along Broadway, be fully integrated with the paving and streetscape design, and contribute to the unique character of the Flatiron District.



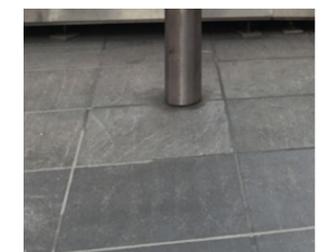
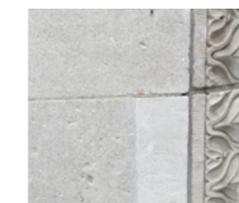
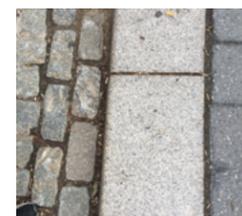
UNION SQUARE



FLATIRON PLAZA



TIMES SQUARE





**Color: Warm Gray**

Color should complement neighborhood paving palette and architectural materials.



**Finish: Thermal**

Blocks should be sawn with a thermal finish and smooth edges.



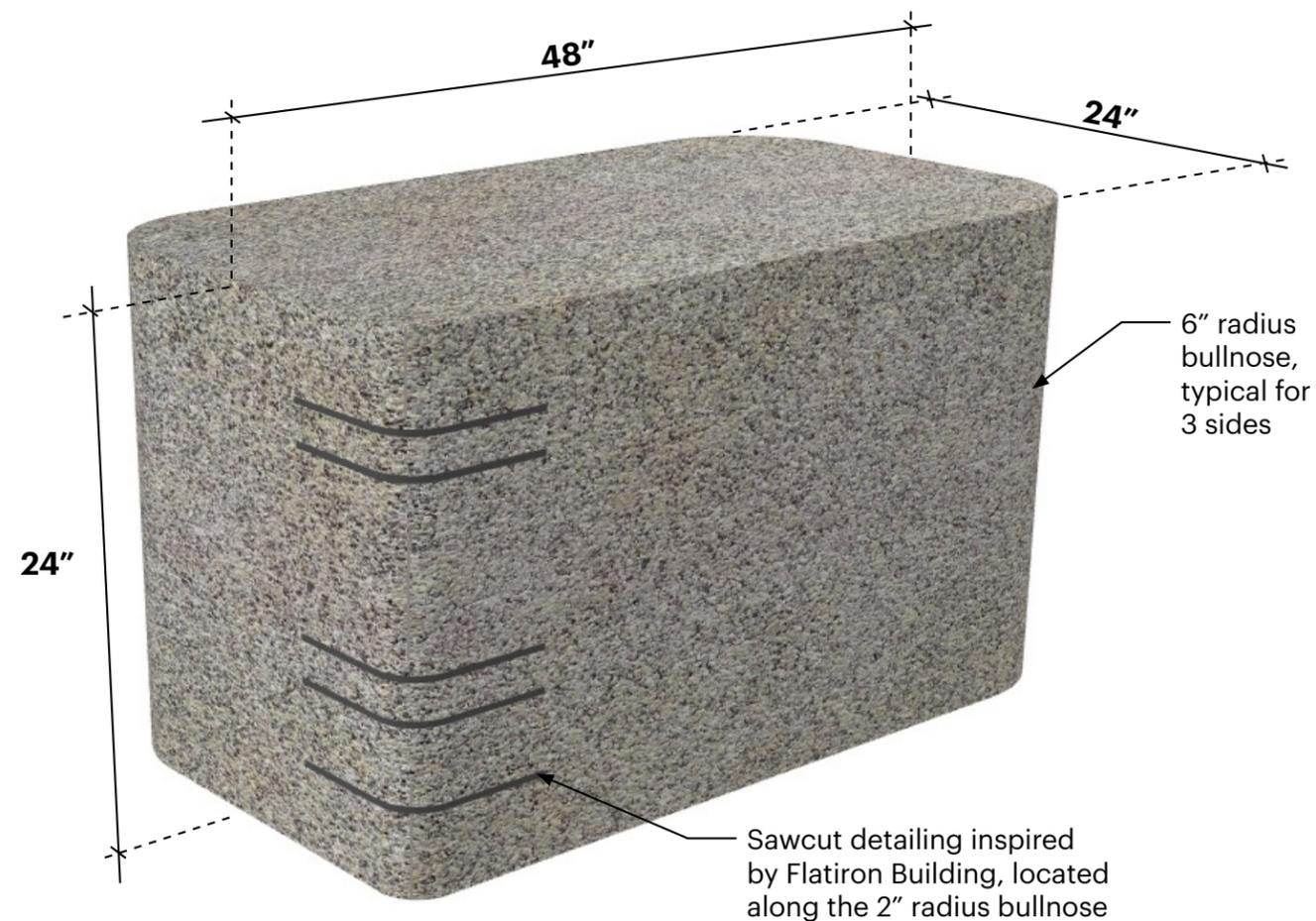
**Placement: Integrated**

Placement of blocks should be integrated with adjacent paving, detectable warning strips, and overall streetscape design.

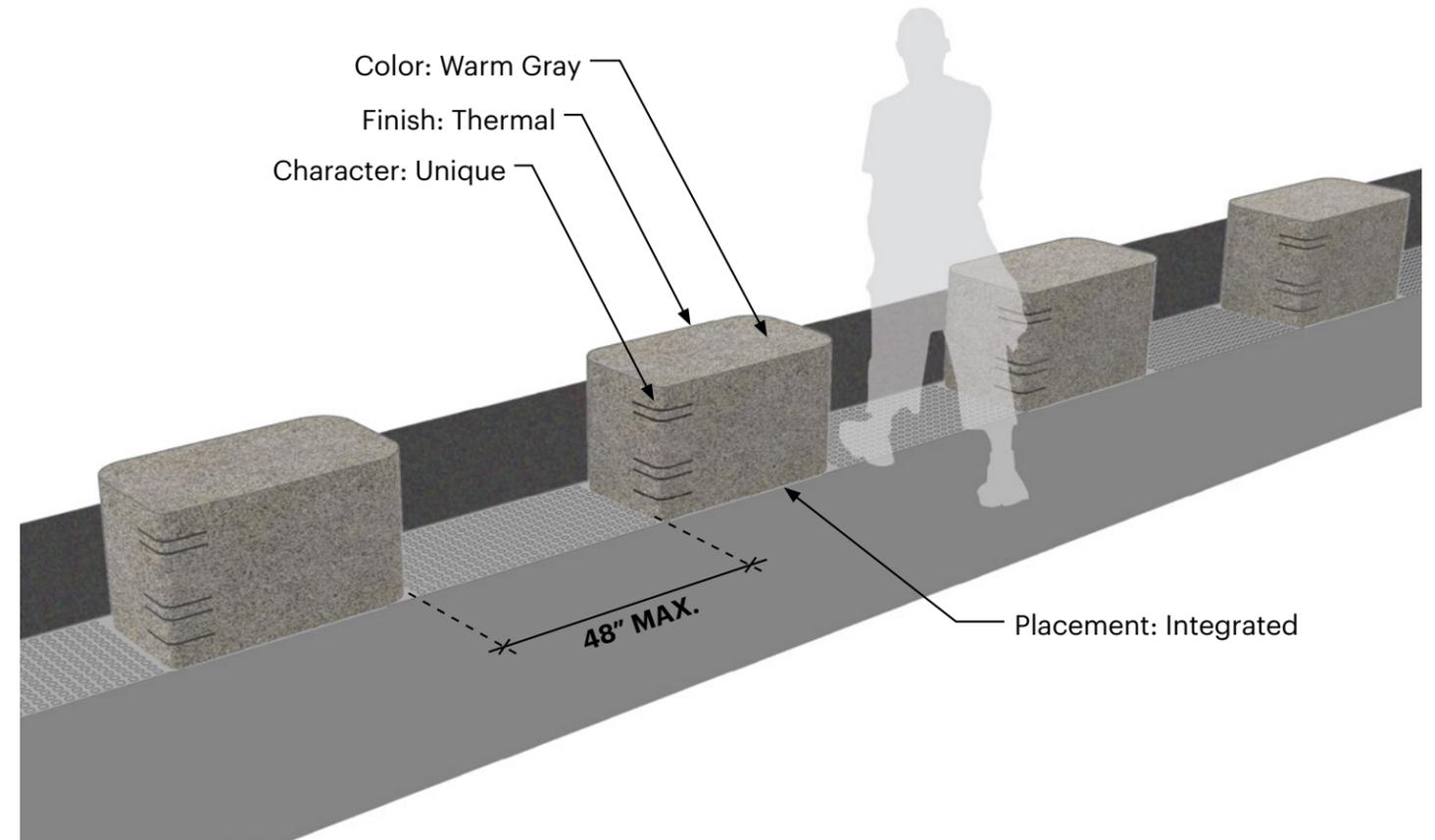


**Character: Unique**

Scale and form of blocks should reflect the unique character of the district. Detailing should take inspiration from important landmarks within the district.



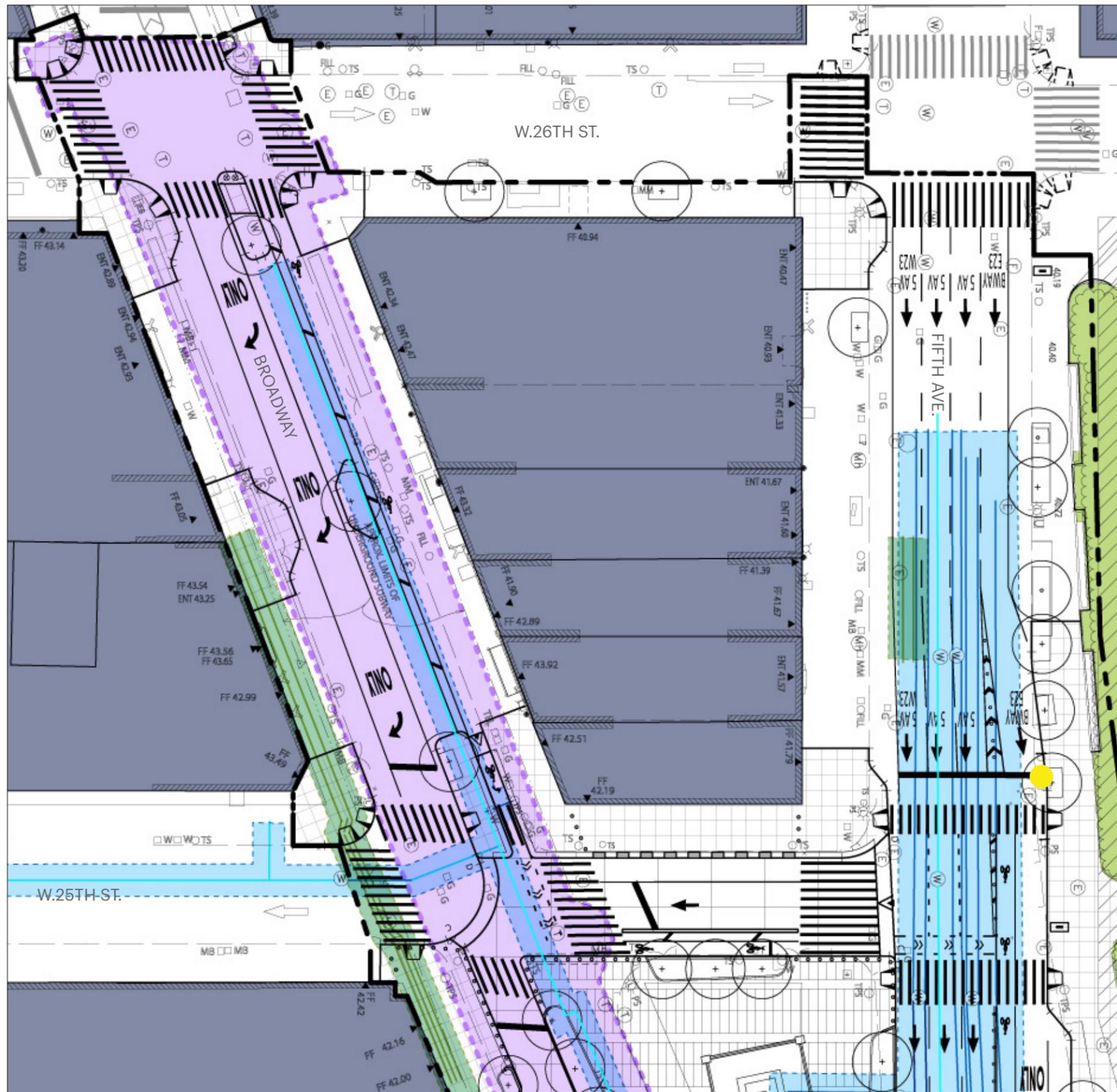
**GRANITE BLOCK DETAIL**



**GRANITE BLOCK PERSPECTIVE**

## VII. Tree Study

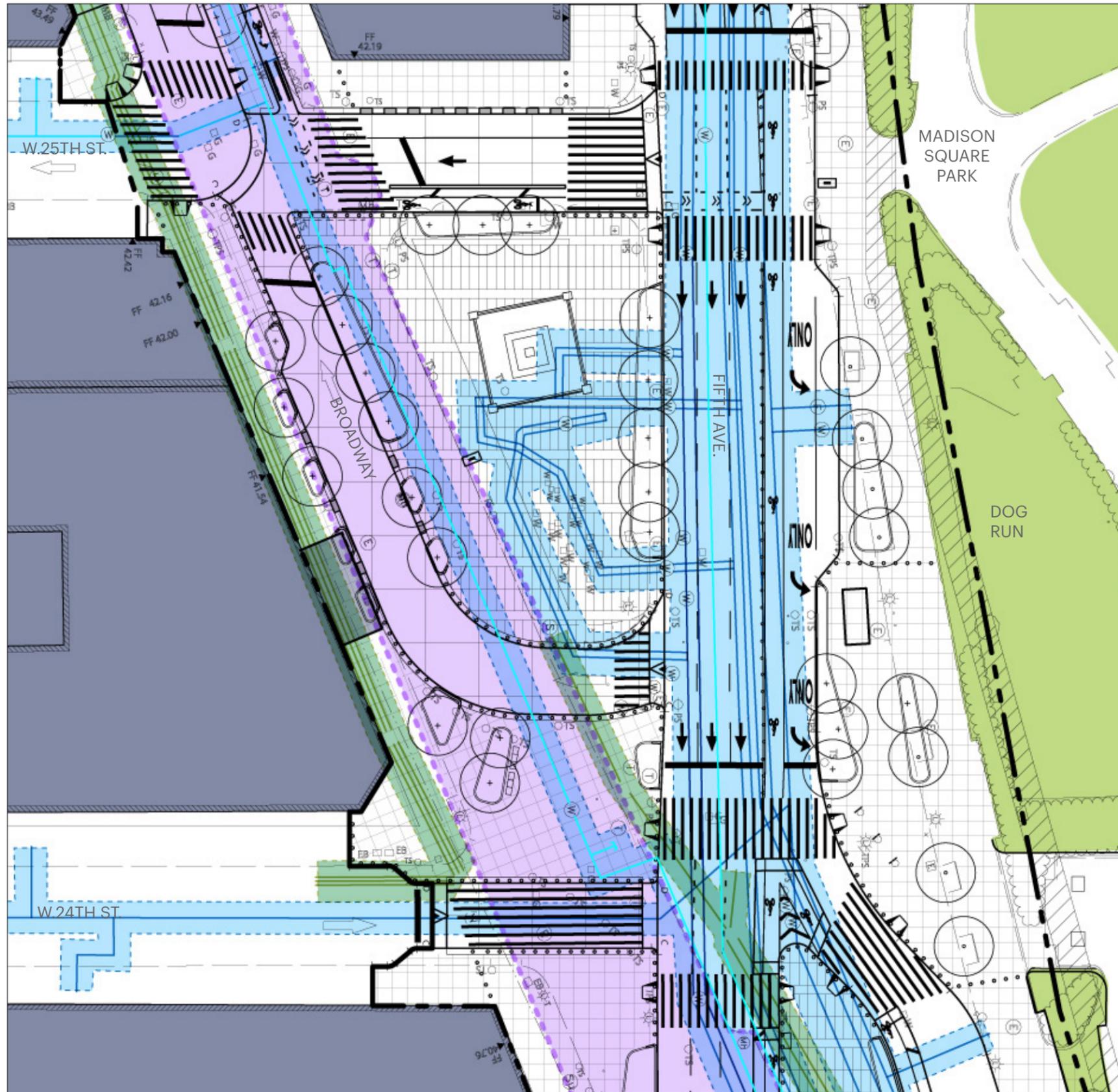
- Proposed Plan Enlargements
  - Broadway between 26th & 25th
  - Worth Square
  - North Plaza
  - South Plaza
  - Broadway between 22nd & 21st
- Proposed View Analysis
  - 25th Street
  - 24th Street
  - Flatiron Building
  - Empire State Building
  - 23rd Street
  - 22nd Street



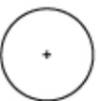
**Legend**

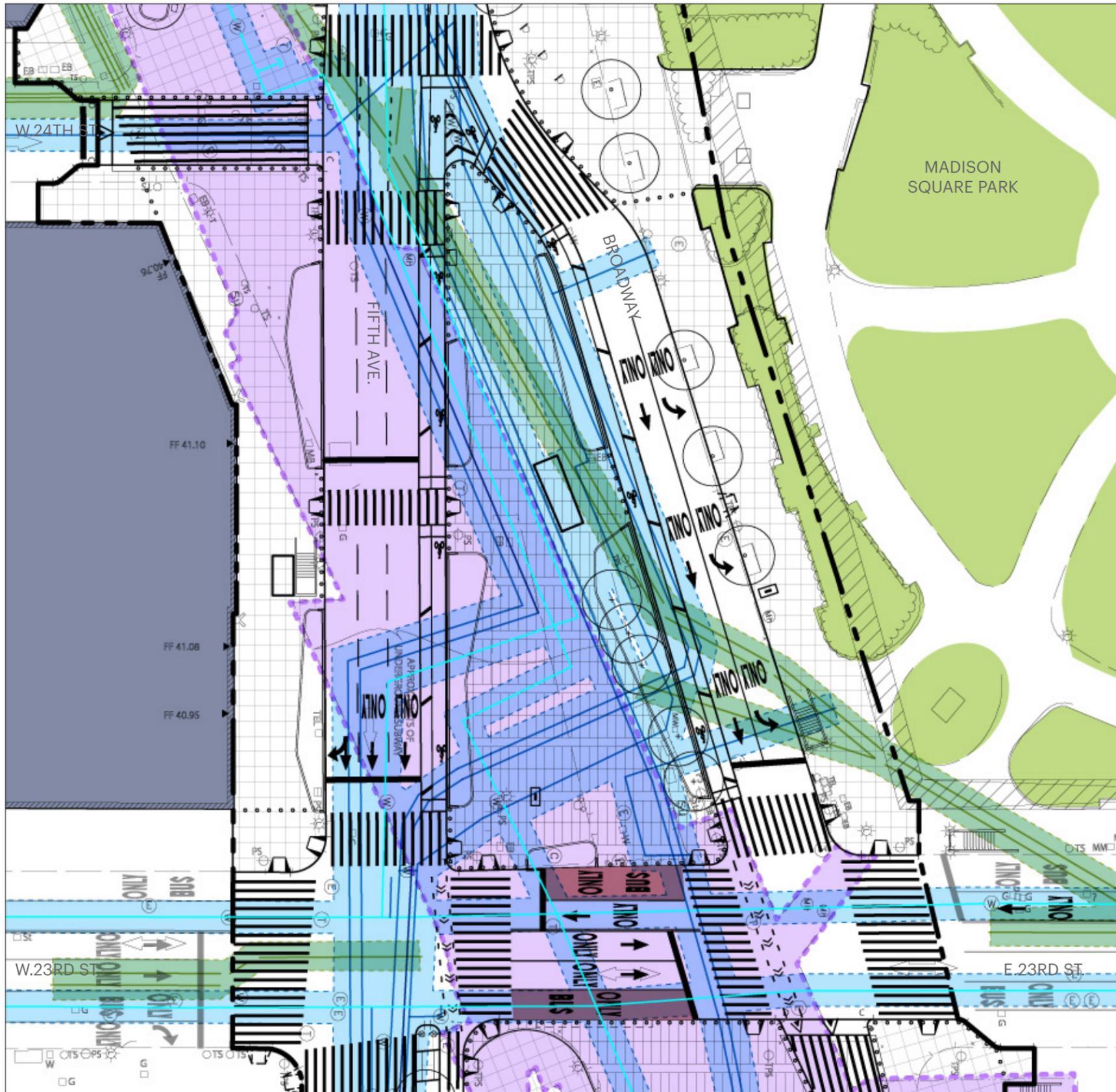
-  **Water Line**  
(with tree planting offset)
-  **Sewer Line**  
(with tree planting offset)
-  **Subway extents**  
(enclosed tree pits with drainage)
-  **12" Water Line**  
(with negotiable tree planting offset)
-  **Existing Trees to Remain**
-  **Proposed Trees**
-  **Existing Trees To Be Removed**





**Legend**

-  **Water Line (with tree planting offset)**
  -  **Sewer Line (with tree planting offset)**
  -  **Subway extents (enclosed tree pits with drainage)**
  -  **12" Water Line (with negotiable tree planting offset)**
  -  **Existing Trees to Remain**
  -  **Proposed Trees**
  -  **Existing Trees To Be Removed**
- N  

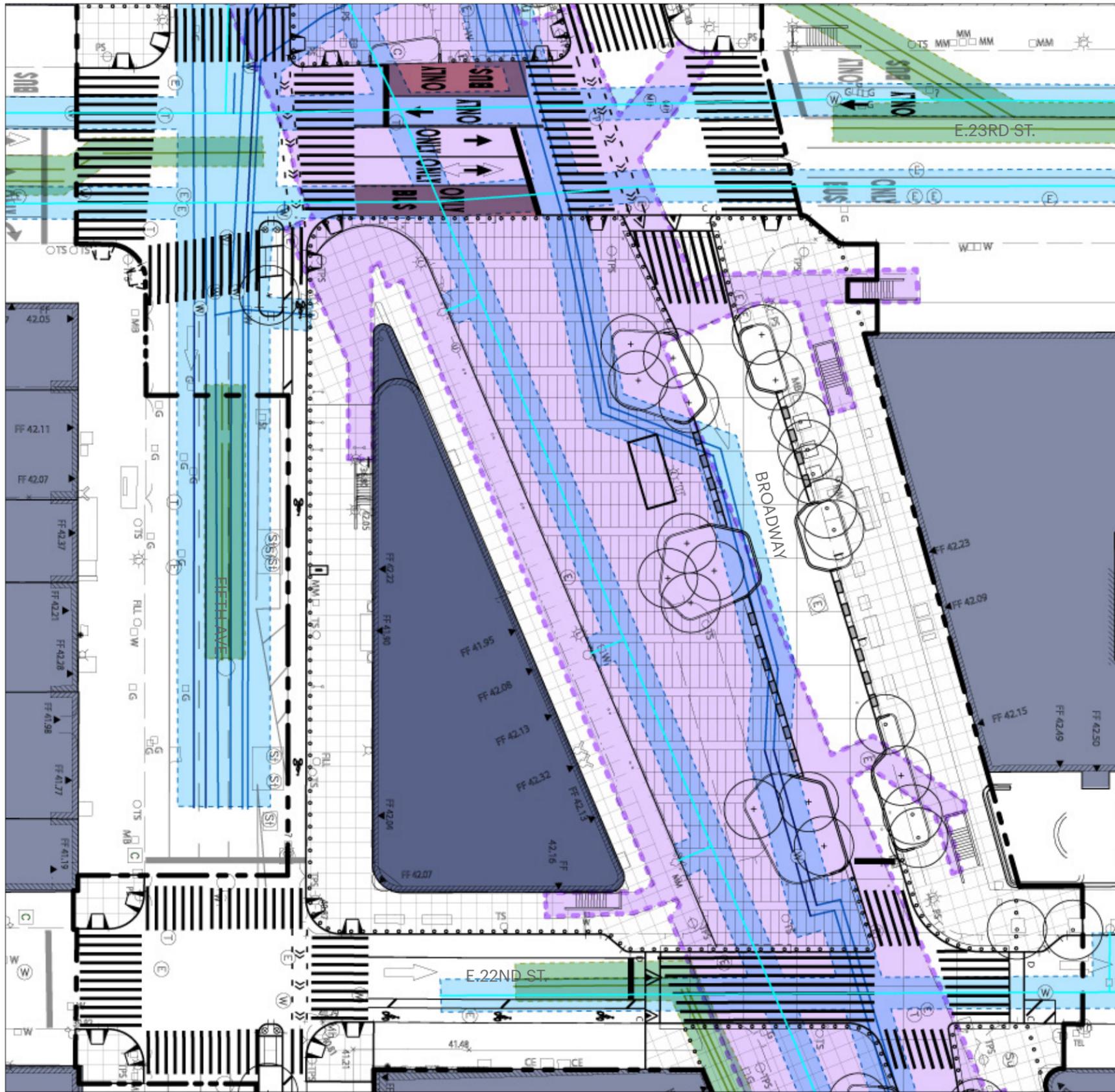


**Legend**

-  **Water Line (with tree planting offset)**
-  **Sewer Line (with tree planting offset)**
-  **Subway extents (enclosed tree pits with drainage)**
-  **12" Water Line (with negotiable tree planting offset)**

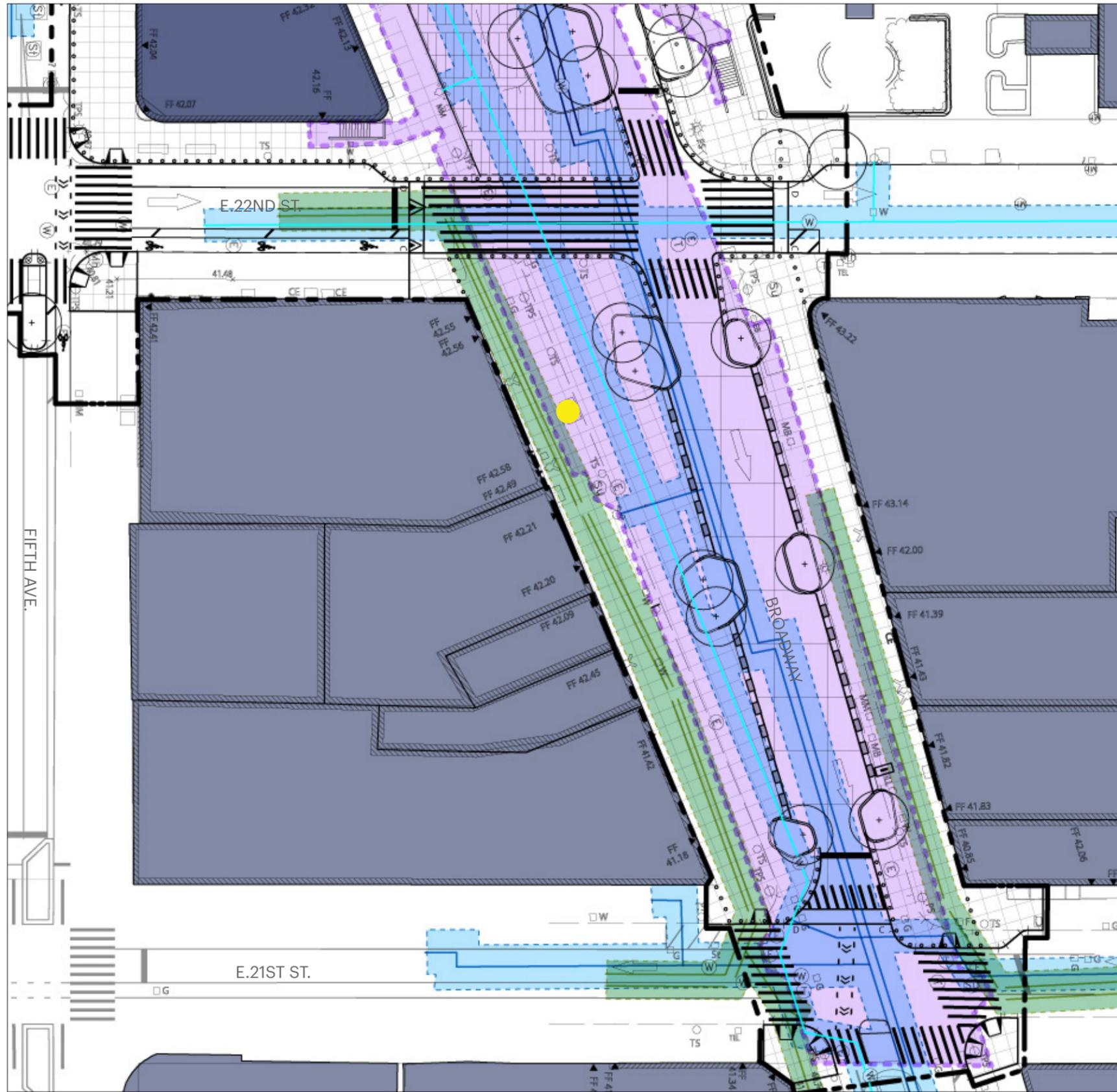
-  **Existing Trees to Remain**
-  **Proposed Trees**
-  **Existing Trees To Be Removed**





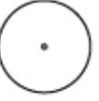
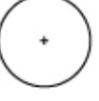
**Legend**

-  **Water Line**  
(with tree planting offset)
  -  **Sewer Line**  
(with tree planting offset)
  -  **Subway extents**  
(enclosed tree pits with drainage)
  -  **12" Water Line**  
(with negotiable tree planting offset)
  -  **Existing Trees to Remain**
  -  **Proposed Trees**
  -  **Existing Trees To Be Removed**
- N ↑
- 0 ——— 40



**Legend**

-  **Water Line**  
(with tree planting offset)
-  **Sewer Line**  
(with tree planting offset)
-  **Subway extents**  
(enclosed tree pits with drainage)
-  **12" Water Line**  
(with negotiable tree planting offset)

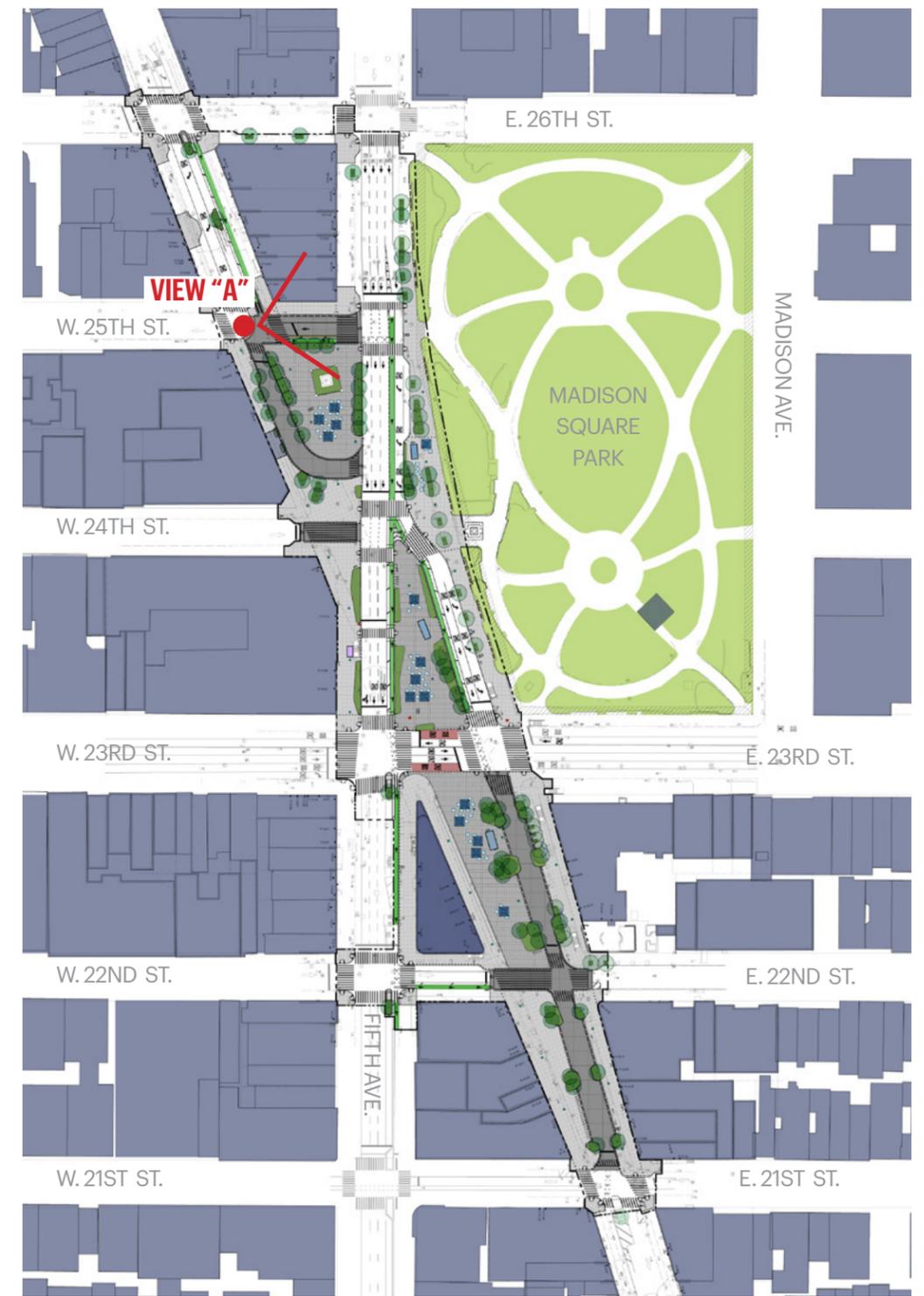
-  **Existing Trees to Remain**
-  **Proposed Trees**
-  **Existing Trees To Be Removed**





PROPOSED CONDITIONS STUDY

KEY PLAN



PREVIOUSLY PROPOSED

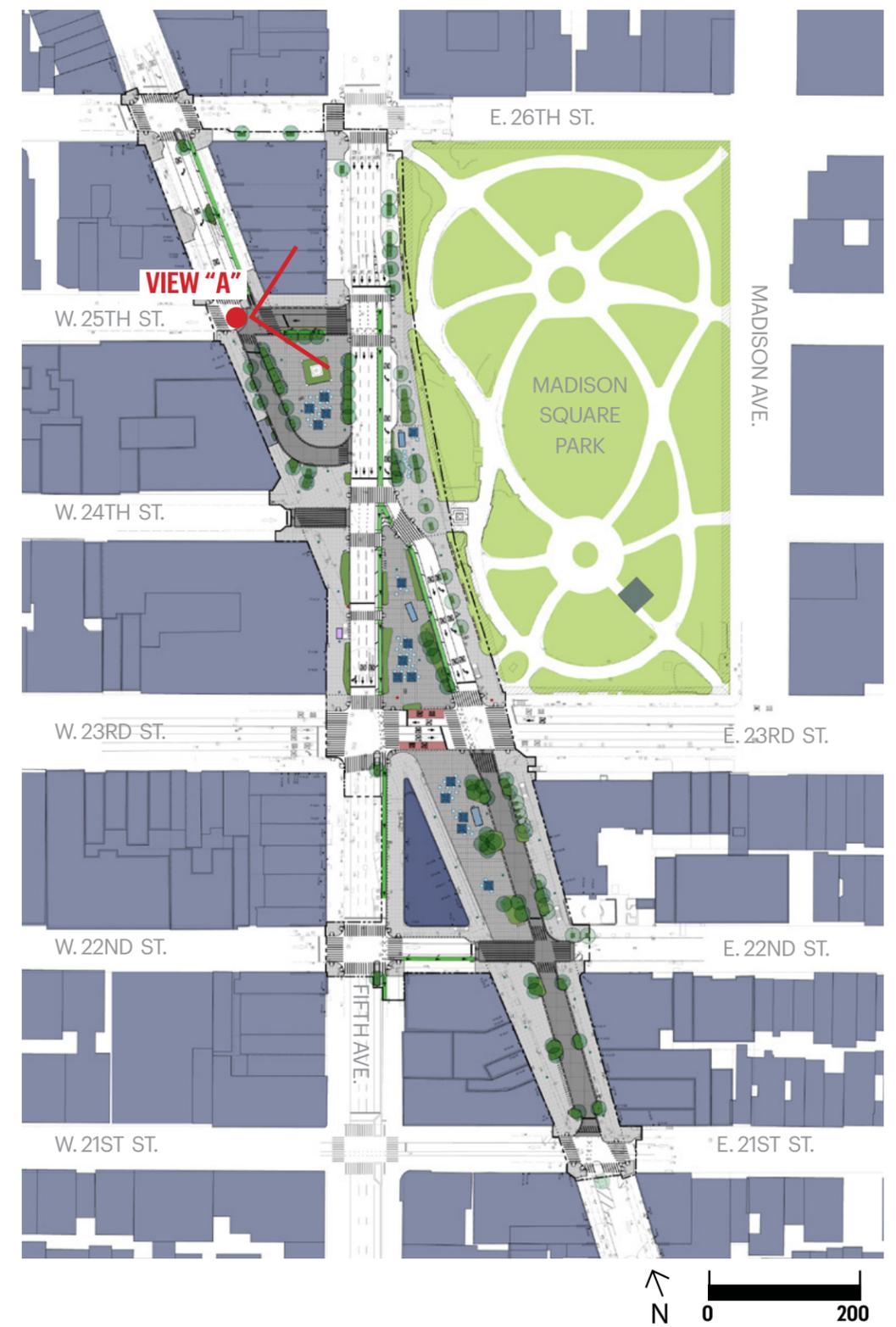
Proposed Plan  
Scale: As Noted

View Study - 25th Street



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

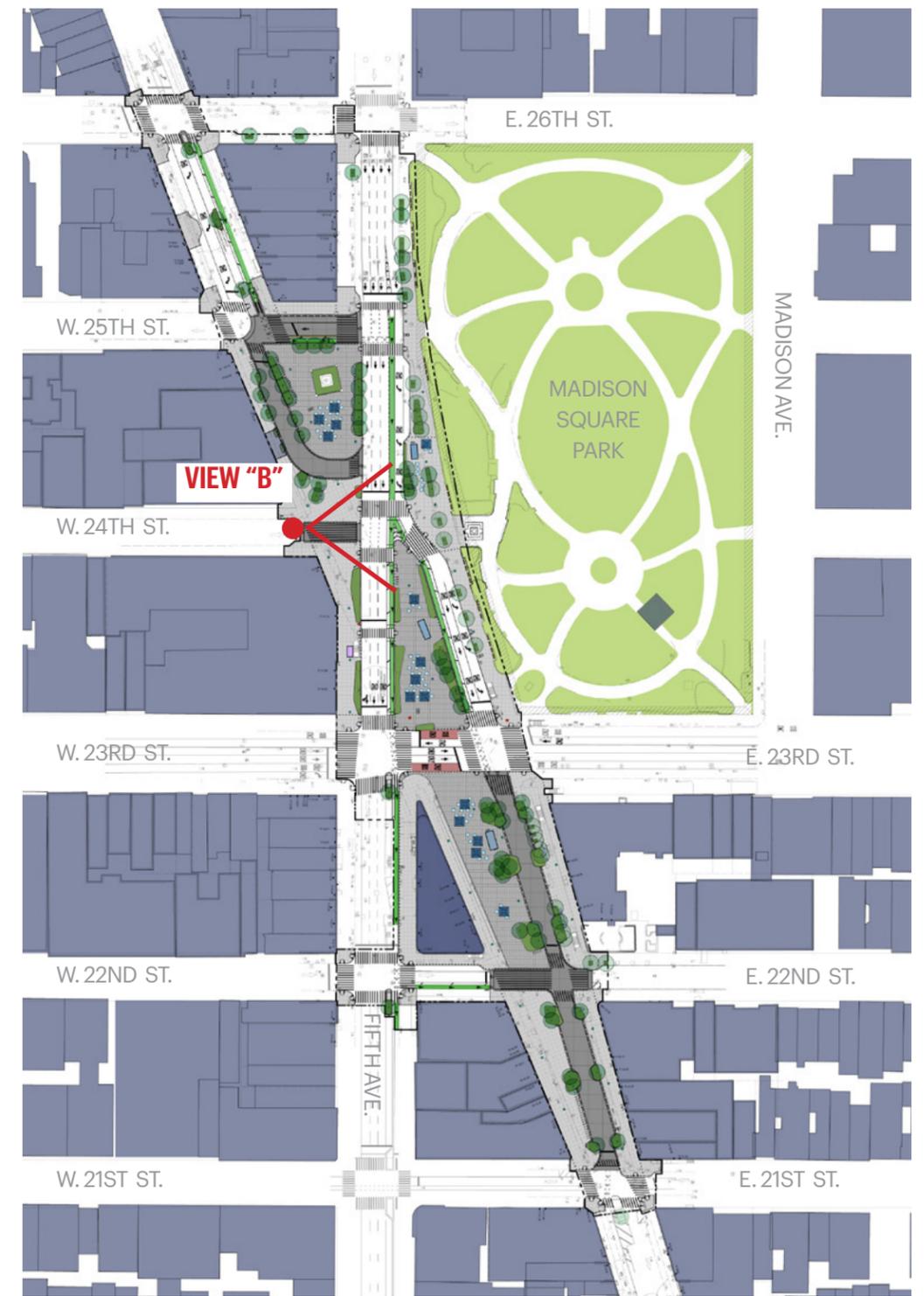


**PROPOSED**



**PROPOSED CONDITIONS STUDY**

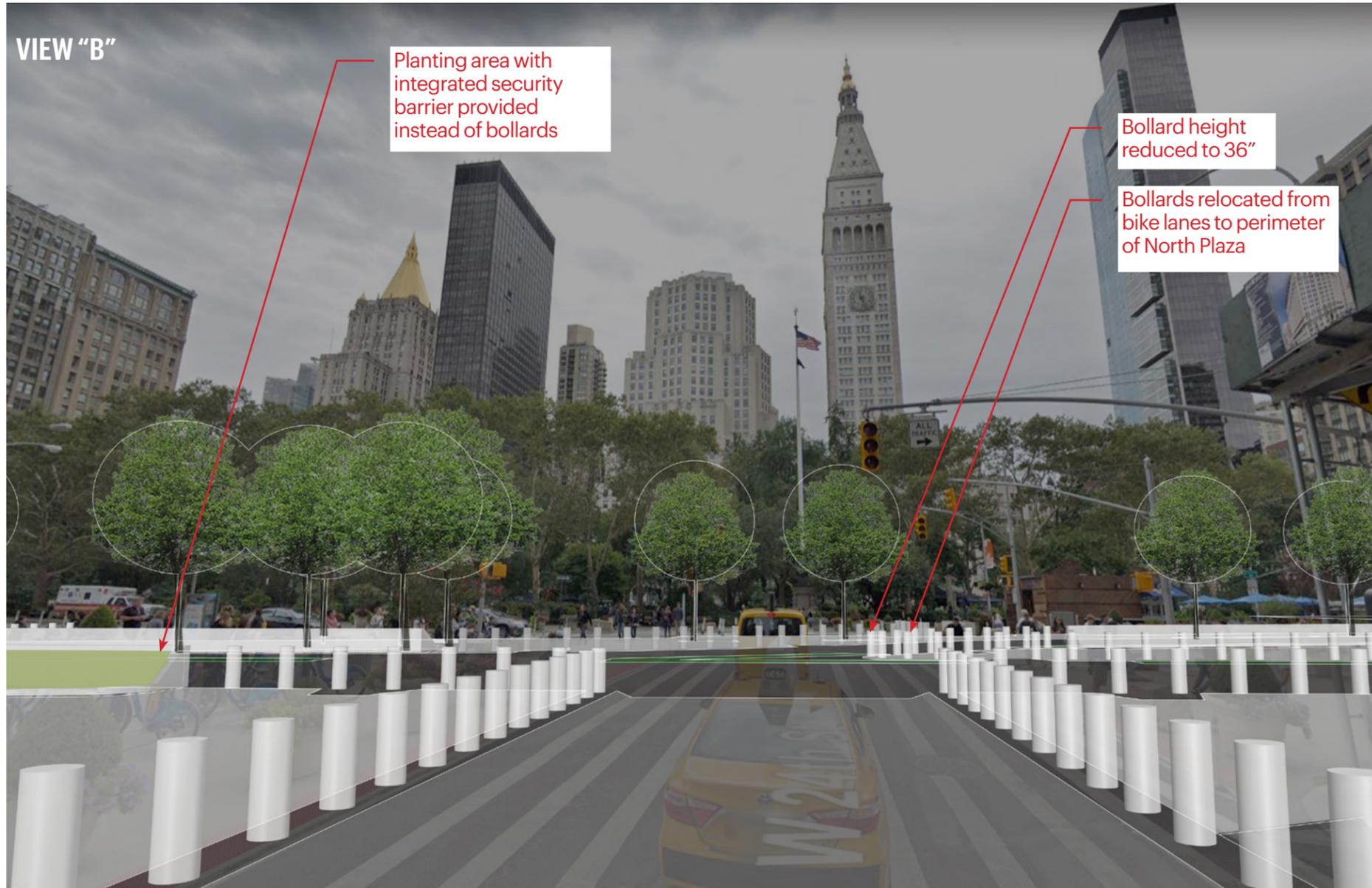
**KEY PLAN**



**PREVIOUSLY PROPOSED**

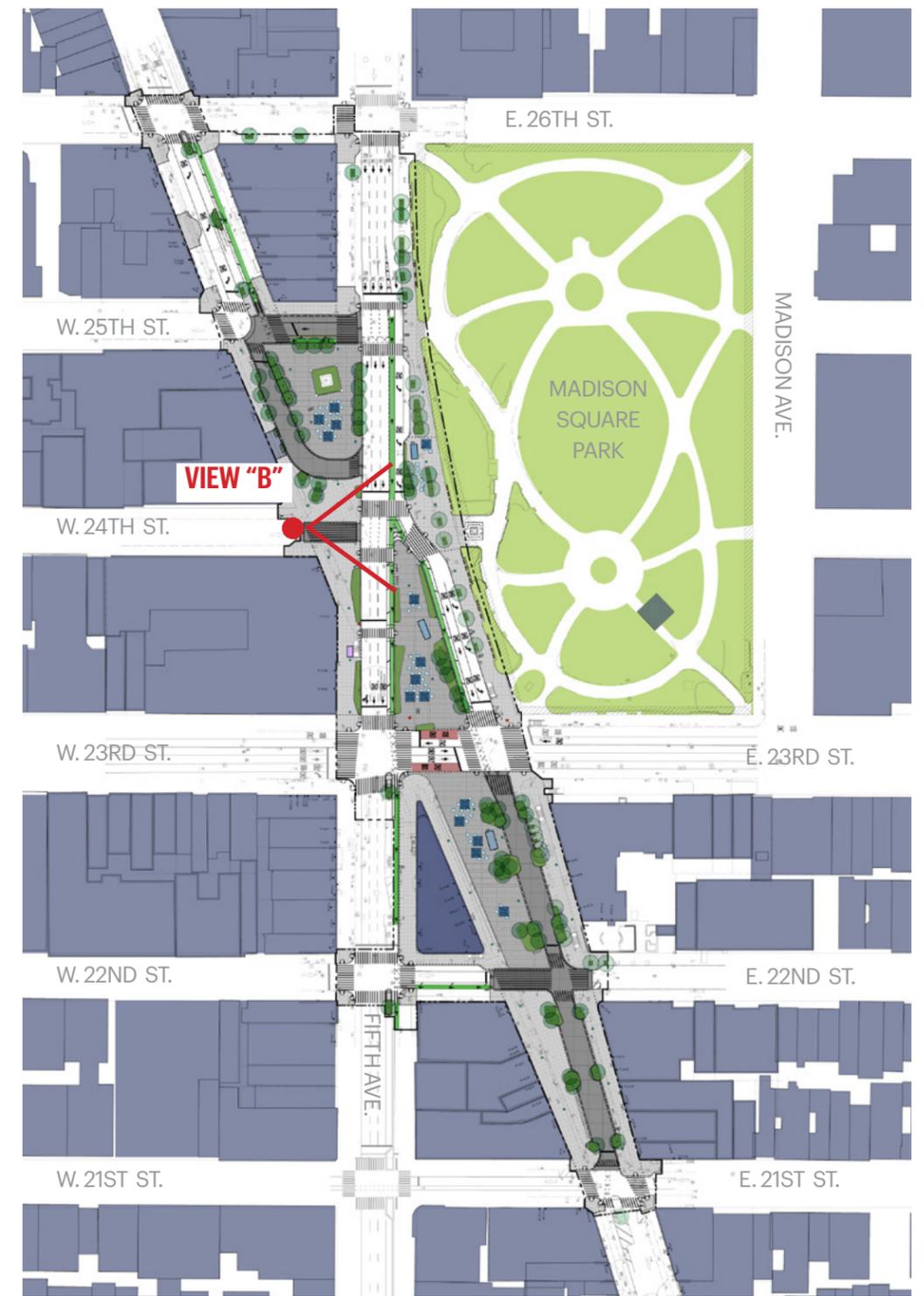
Proposed Plan  
Scale: As Noted

View Study - 24th Street



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

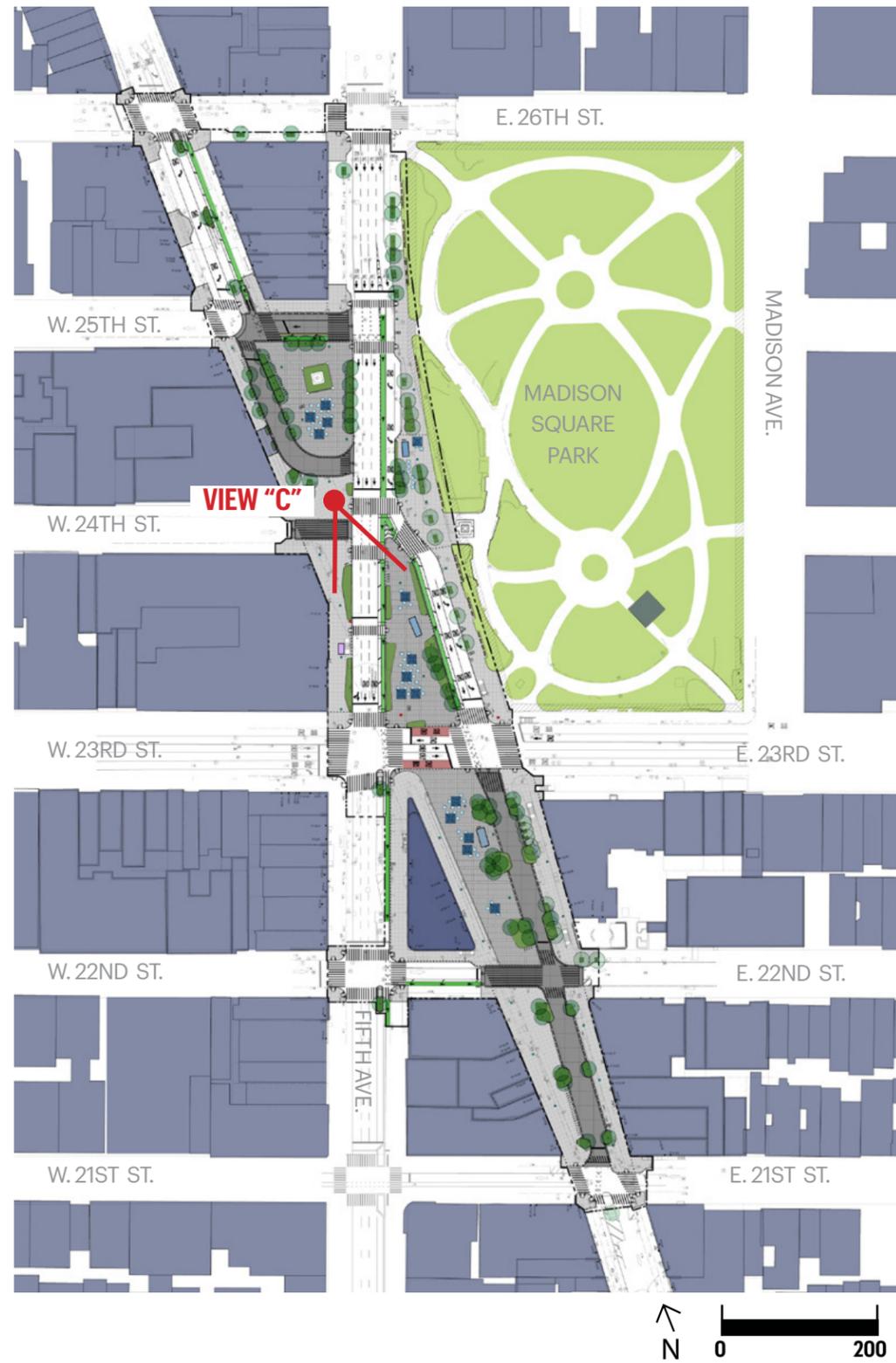


**PROPOSED**

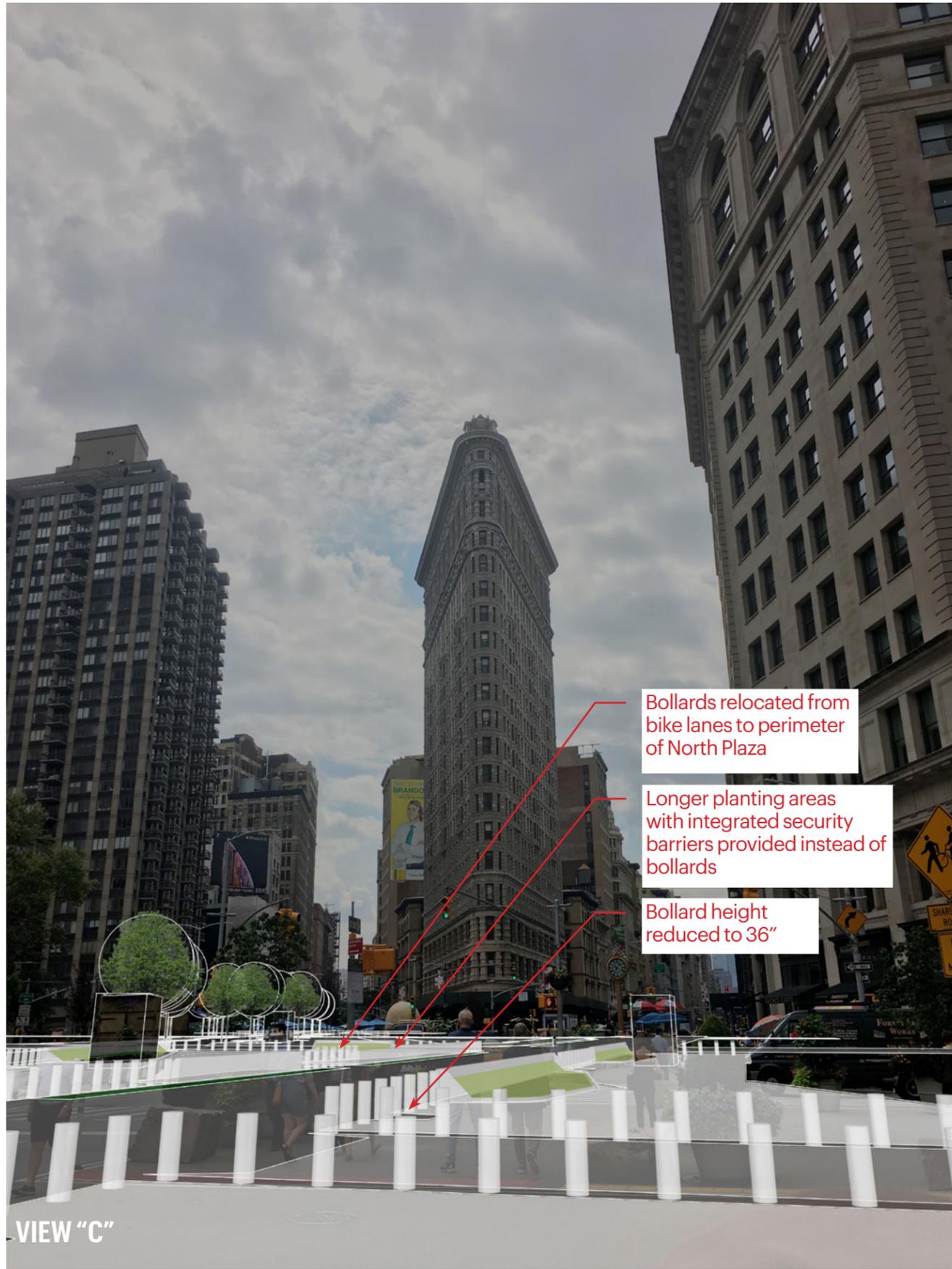


**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

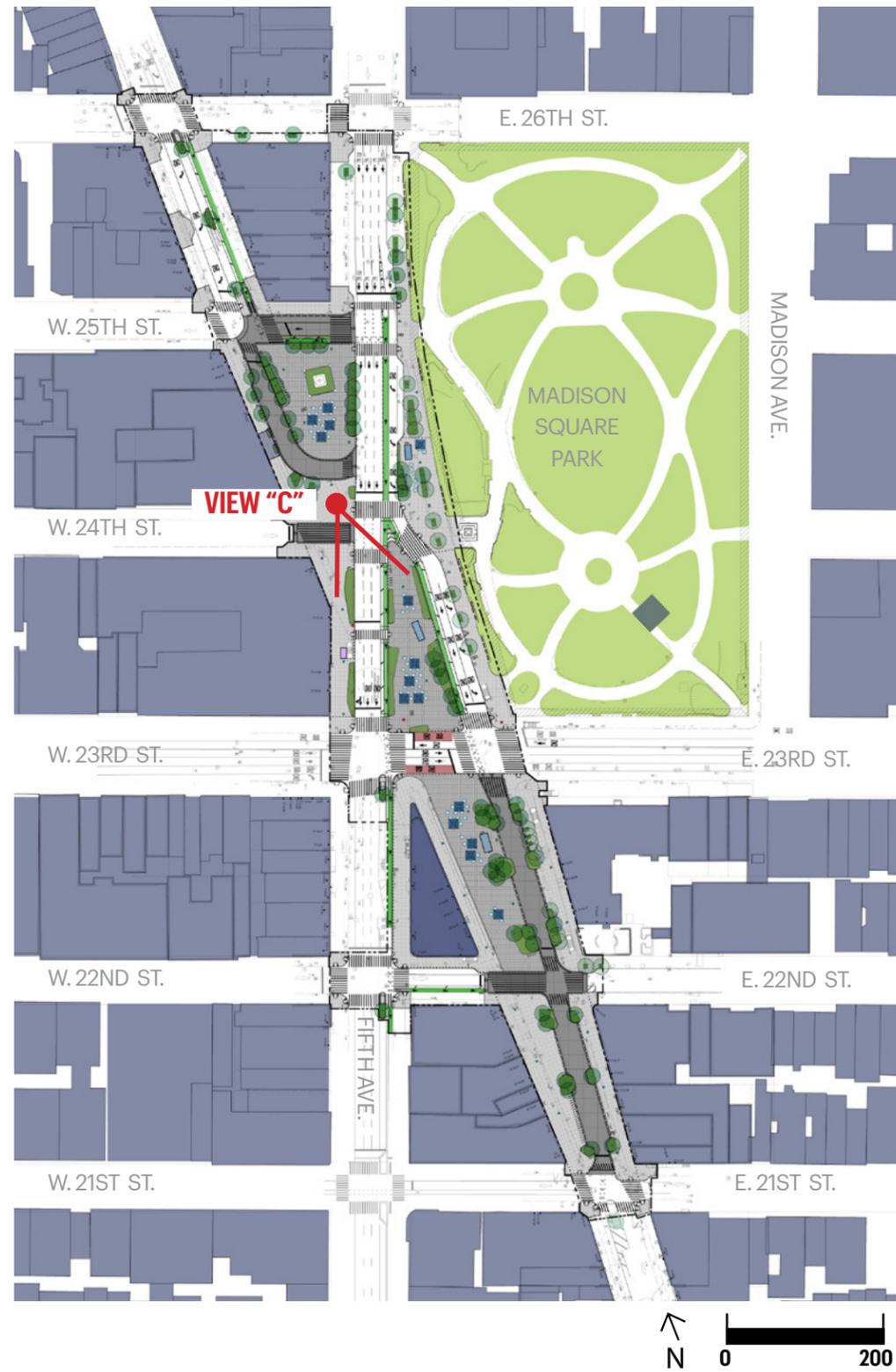


**PREVIOUSLY PROPOSED**



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

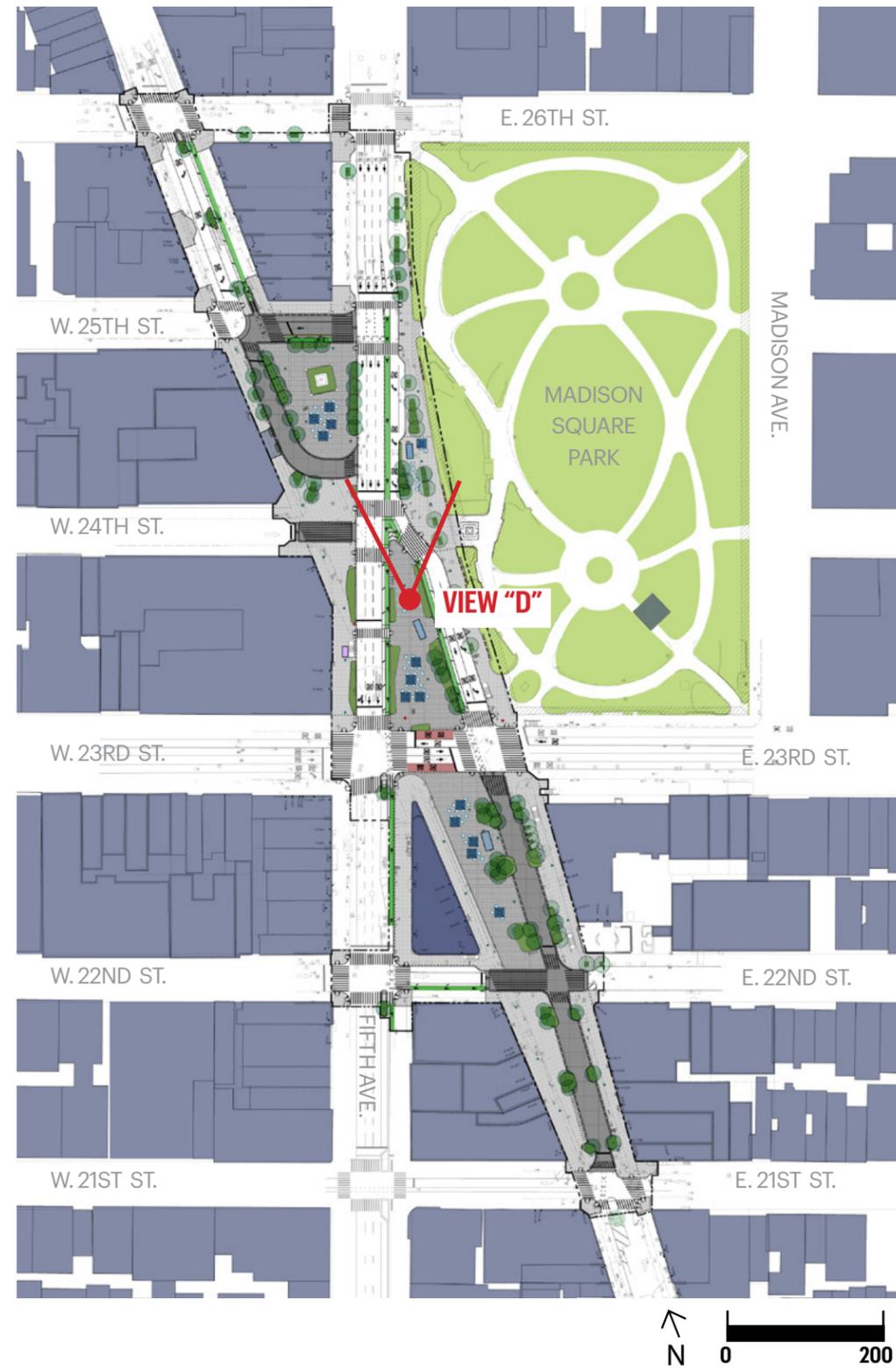


**PROPOSED**

VIEW "D"



PROPOSED CONDITIONS STUDY

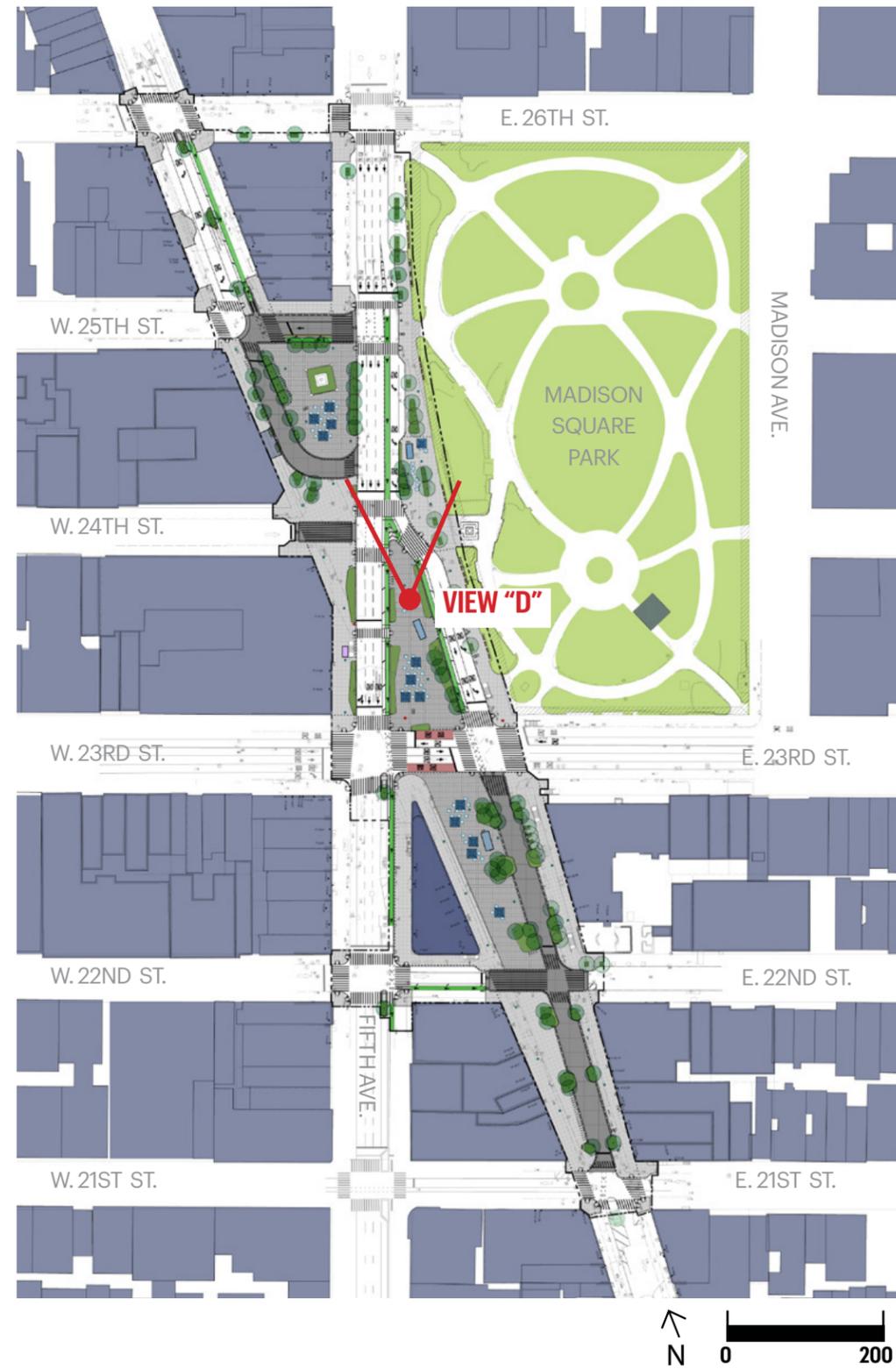


PREVIOUSLY PROPOSED

VIEW "D"



PROPOSED CONDITIONS STUDY

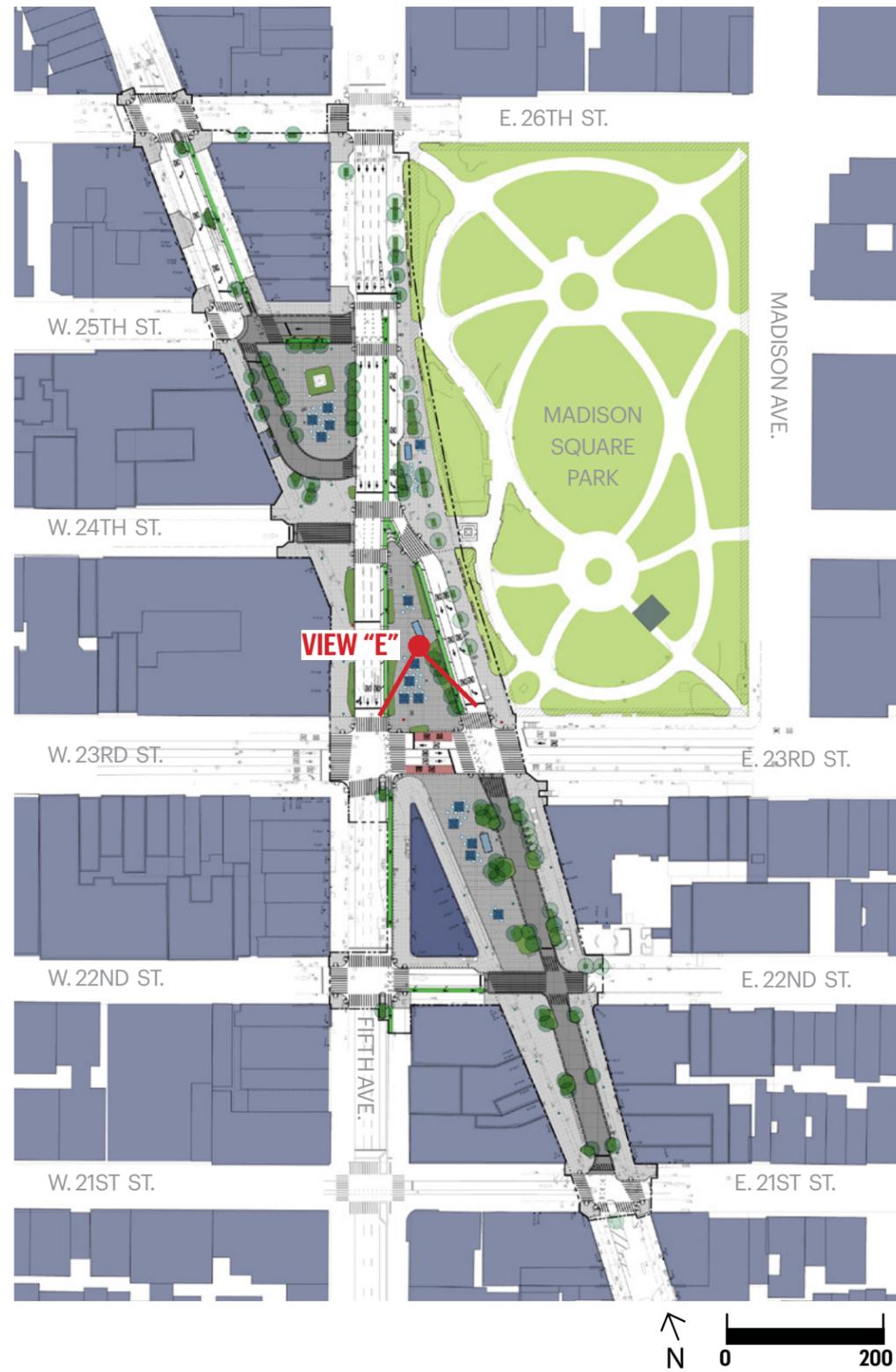


PROPOSED



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**



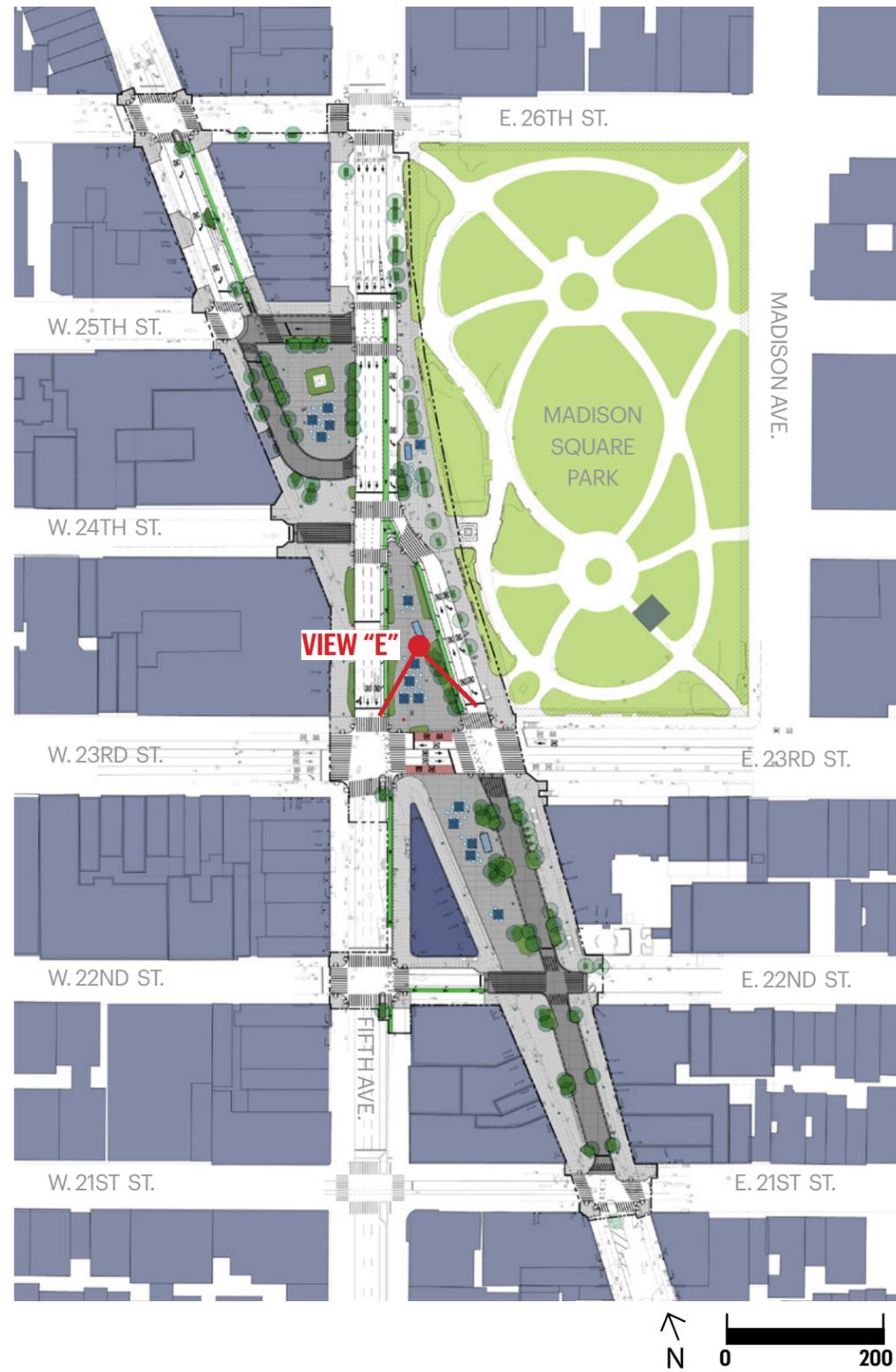
**PREVIOUSLY PROPOSED**



VIEW "E"

**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

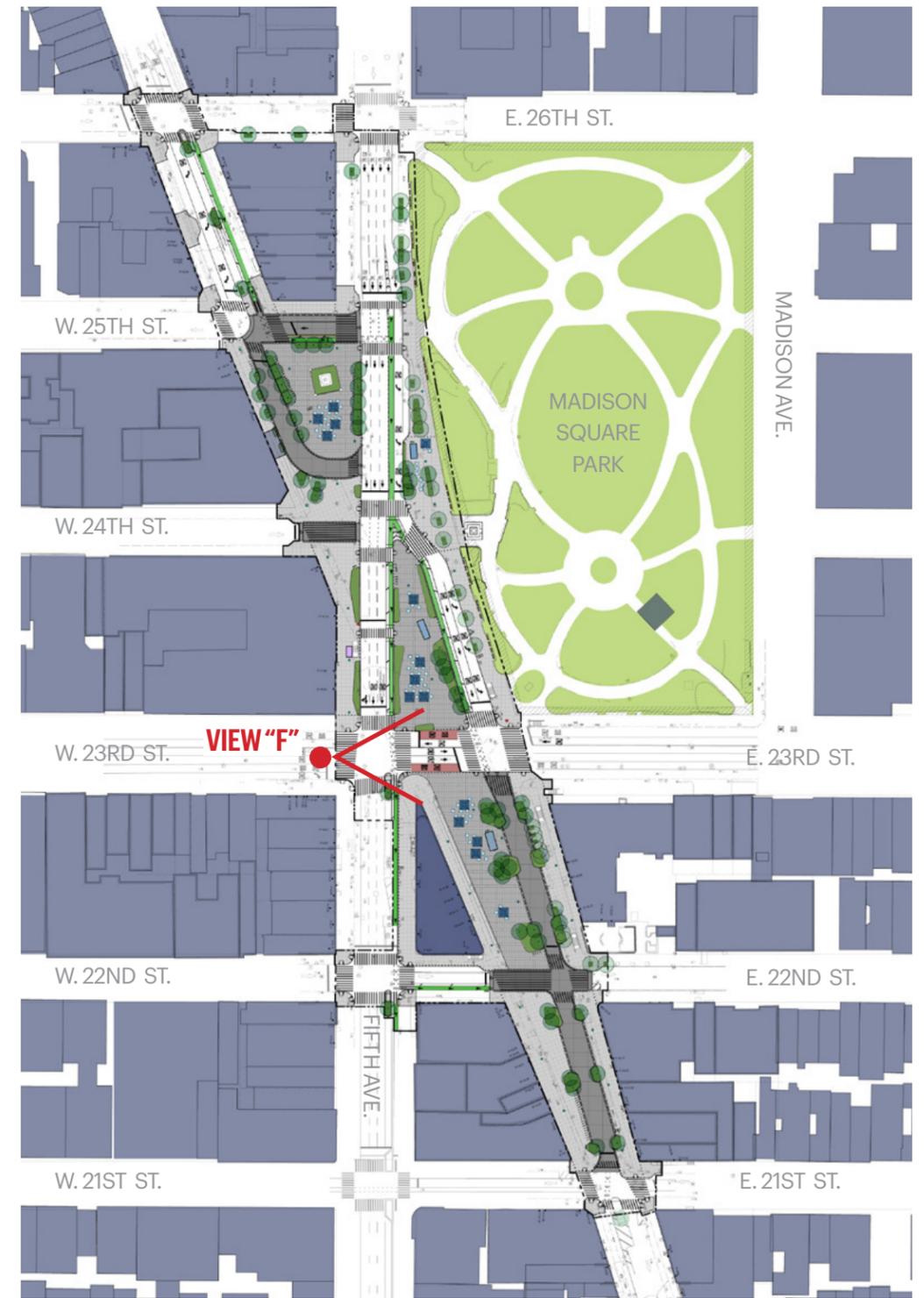


**PROPOSED**



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**



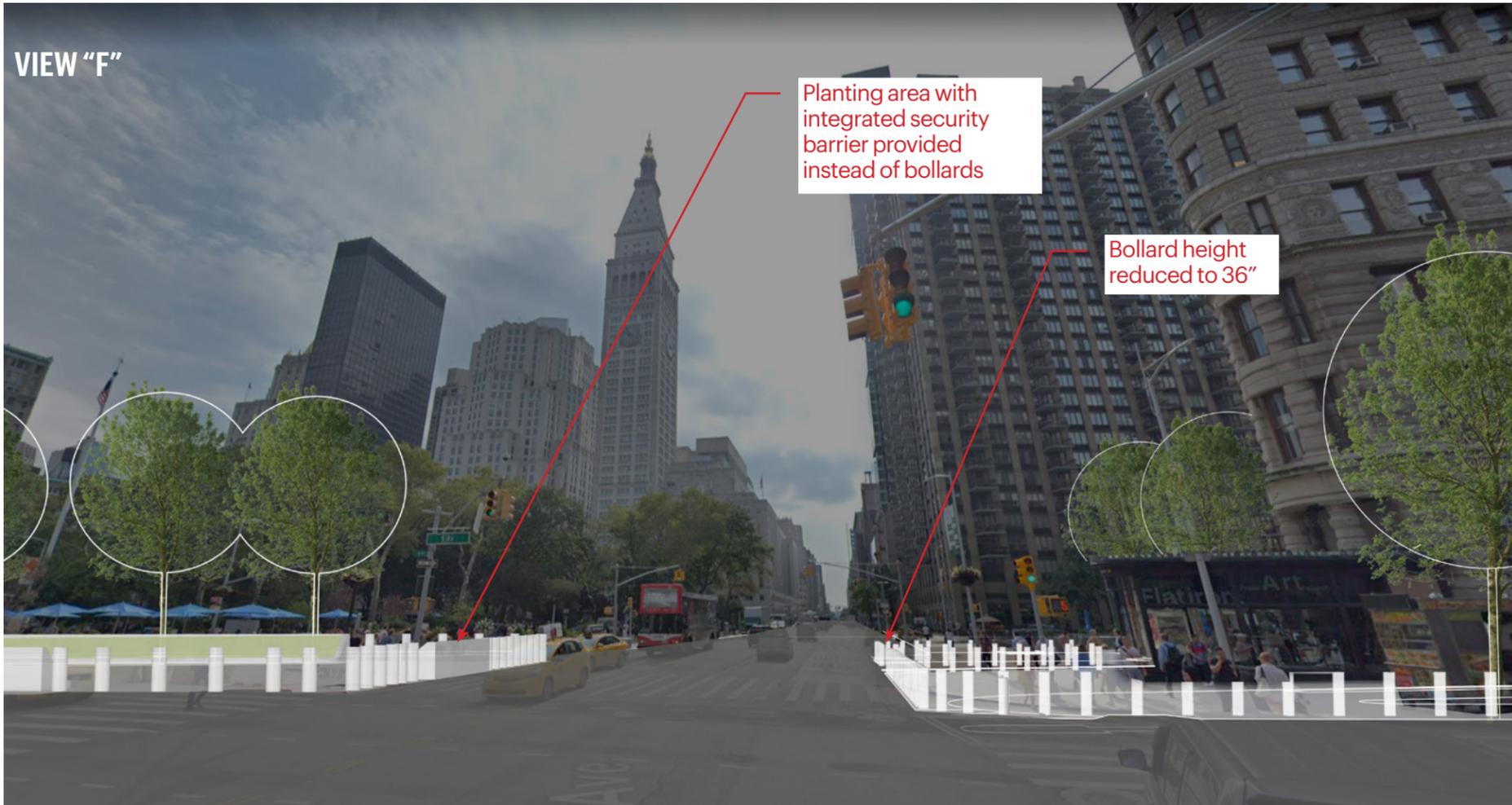
**PREVIOUSLY PROPOSED**

Proposed Plan  
Scale: As Noted

View Study - 23rd Street

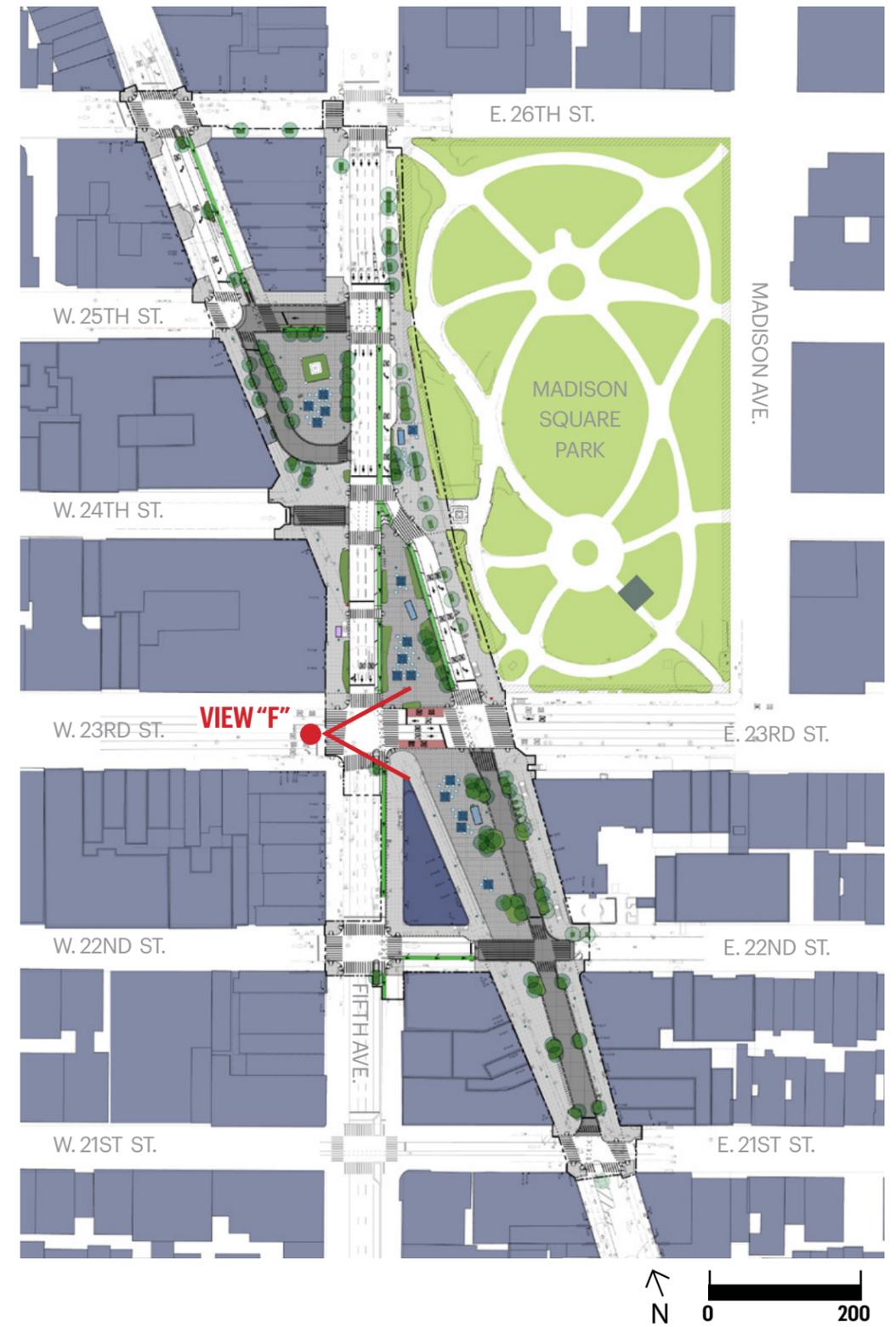


Madison Square / Flatiron Plaza Reconstruction  
December 13, 2021



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**



**PROPOSED**

Proposed Plan  
Scale: As Noted

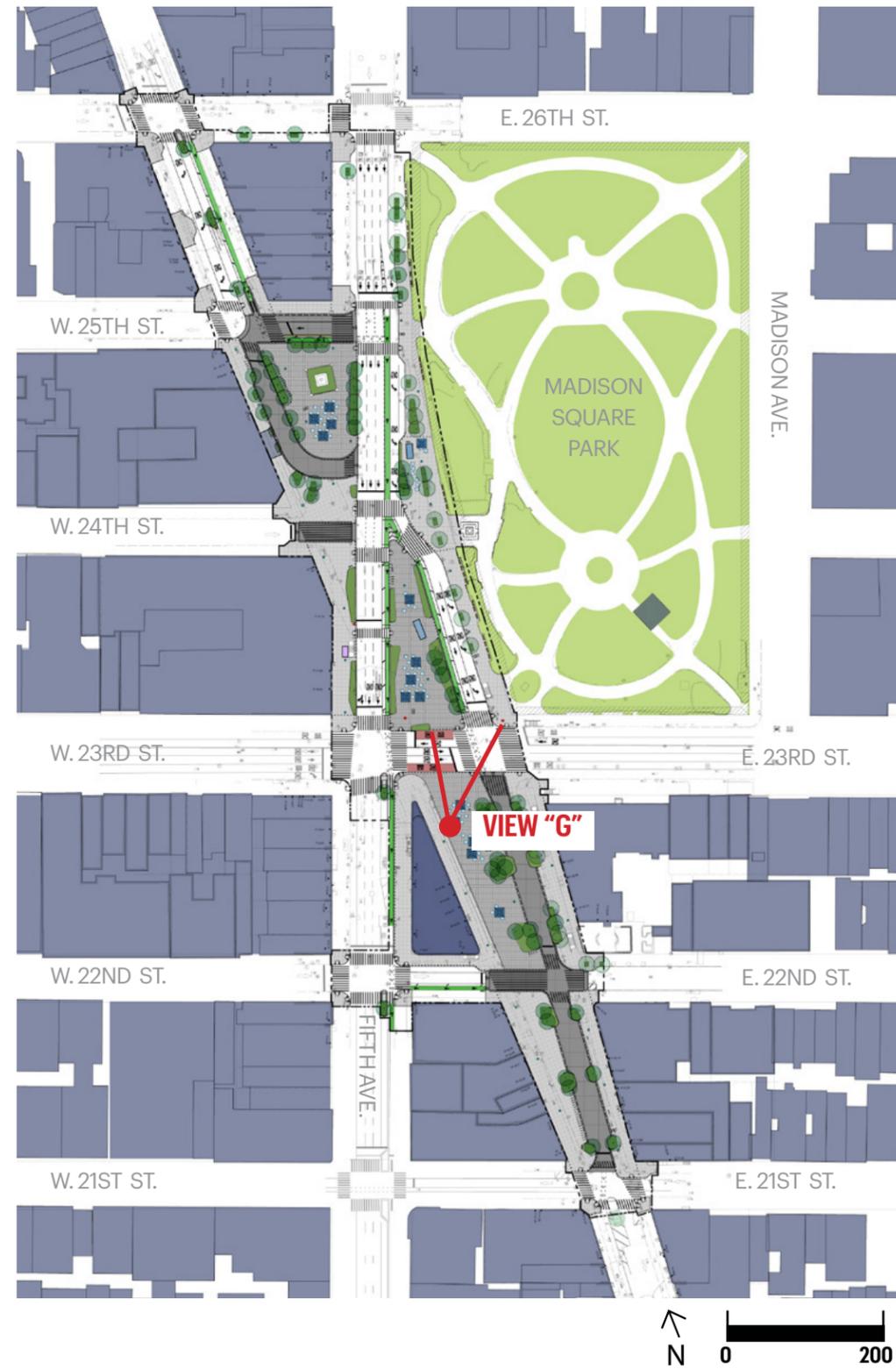
View Study - 23rd Street



VIEW "G"

PROPOSED CONDITIONS STUDY

KEY PLAN



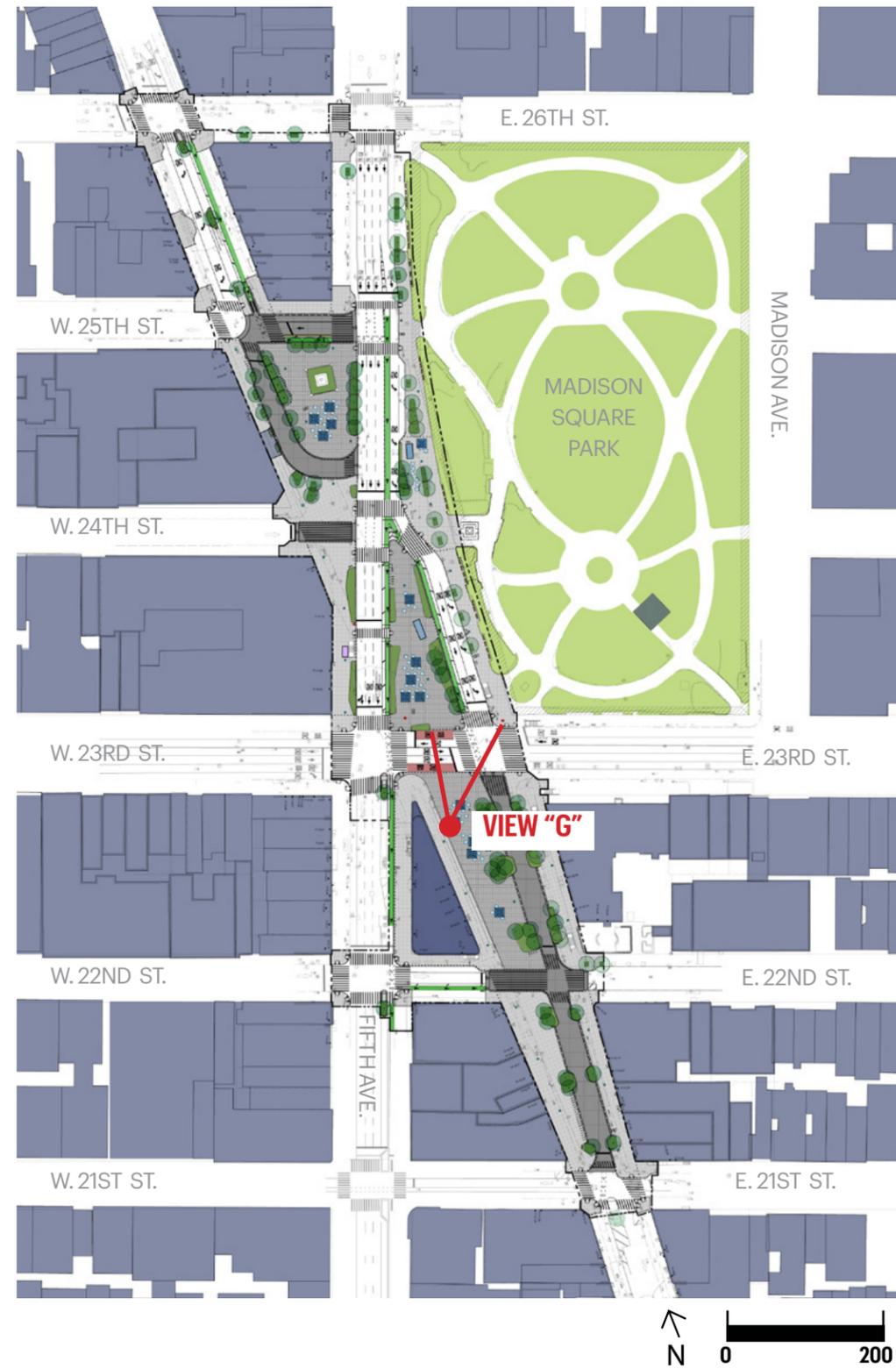
PREVIOUSLY PROPOSED



VIEW "G"

**PROPOSED CONDITIONS STUDY**

**KEY PLAN**

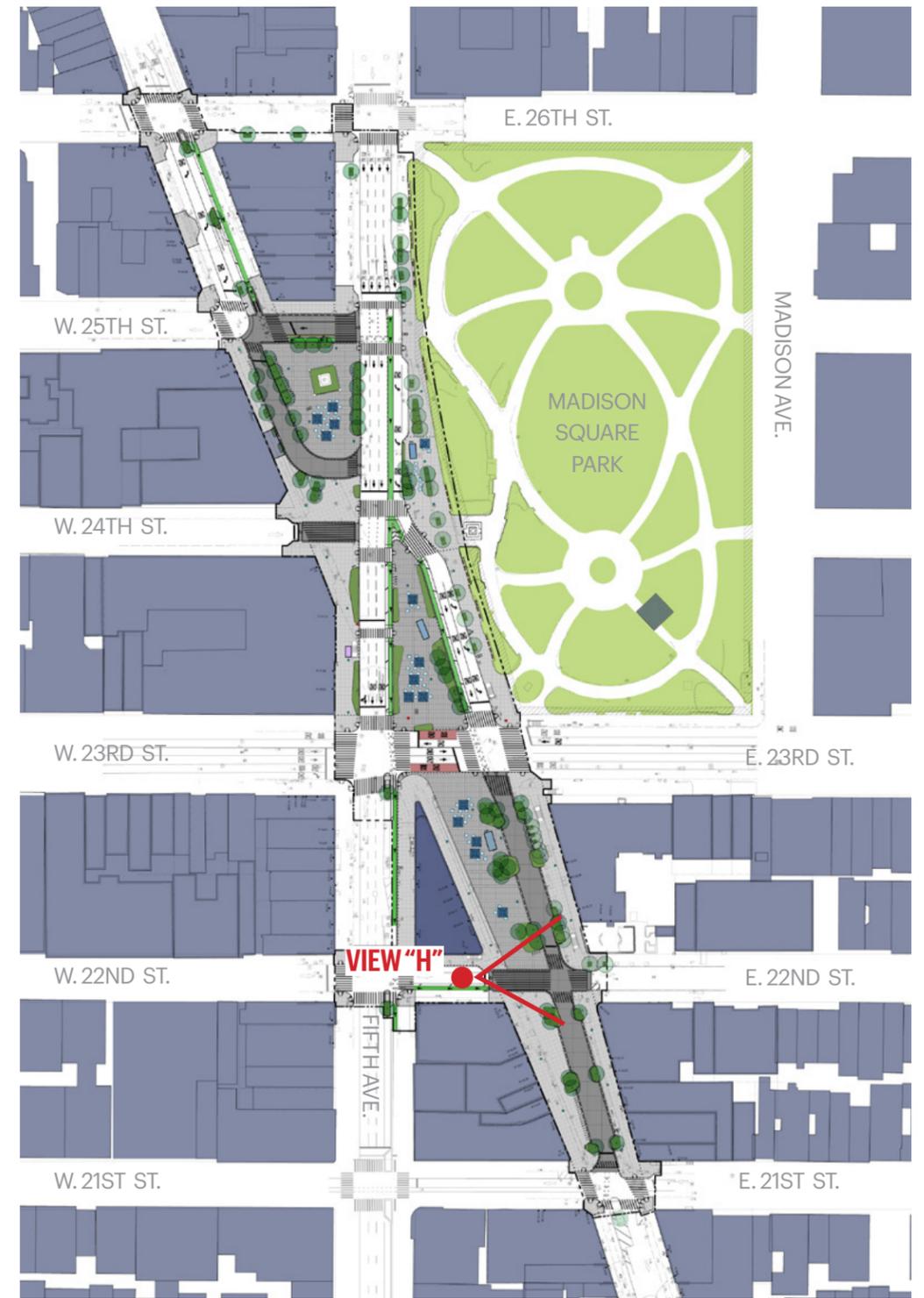


**PROPOSED**



**PROPOSED CONDITIONS STUDY**

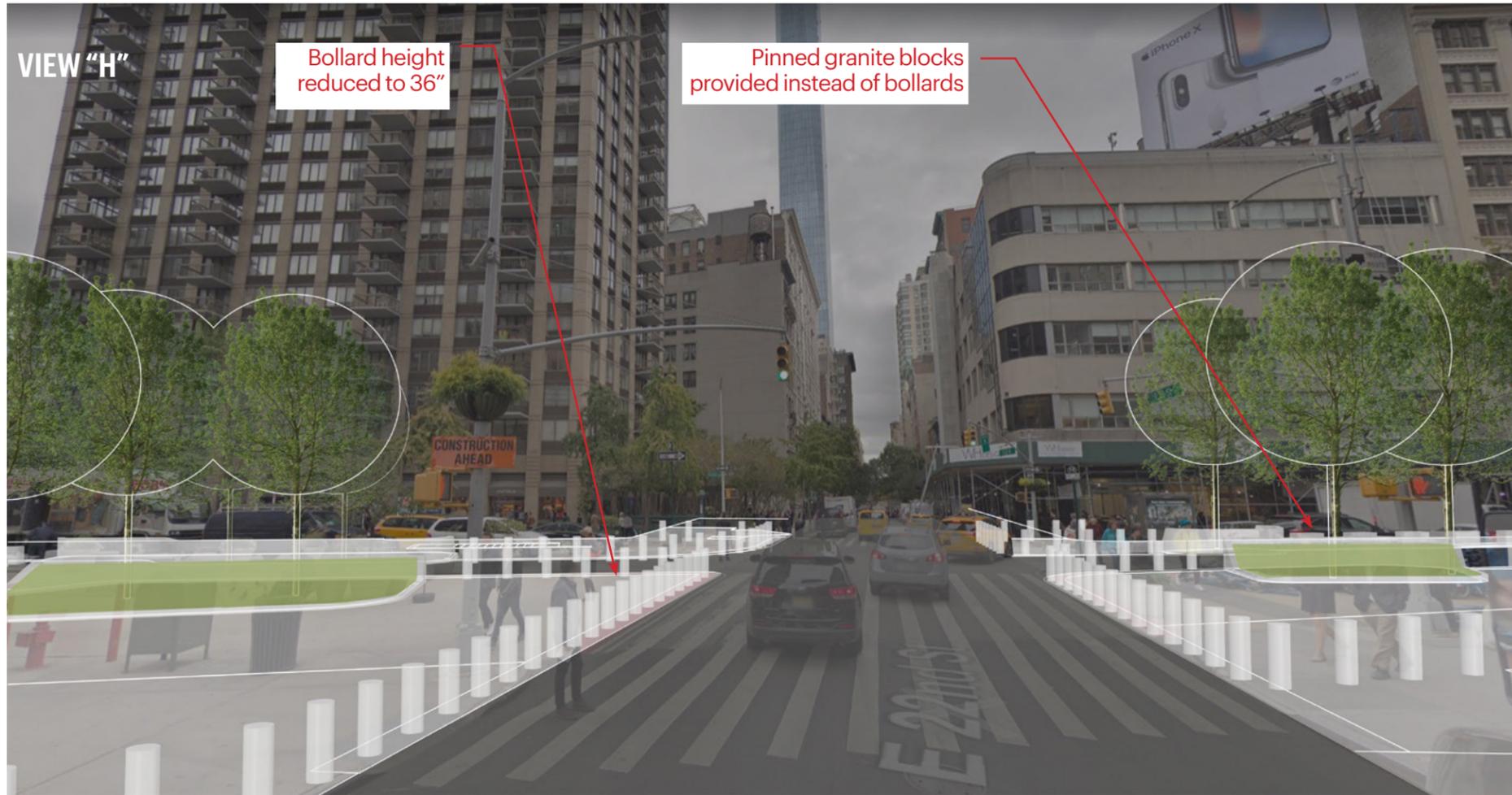
**KEY PLAN**



**PREVIOUSLY PROPOSED**

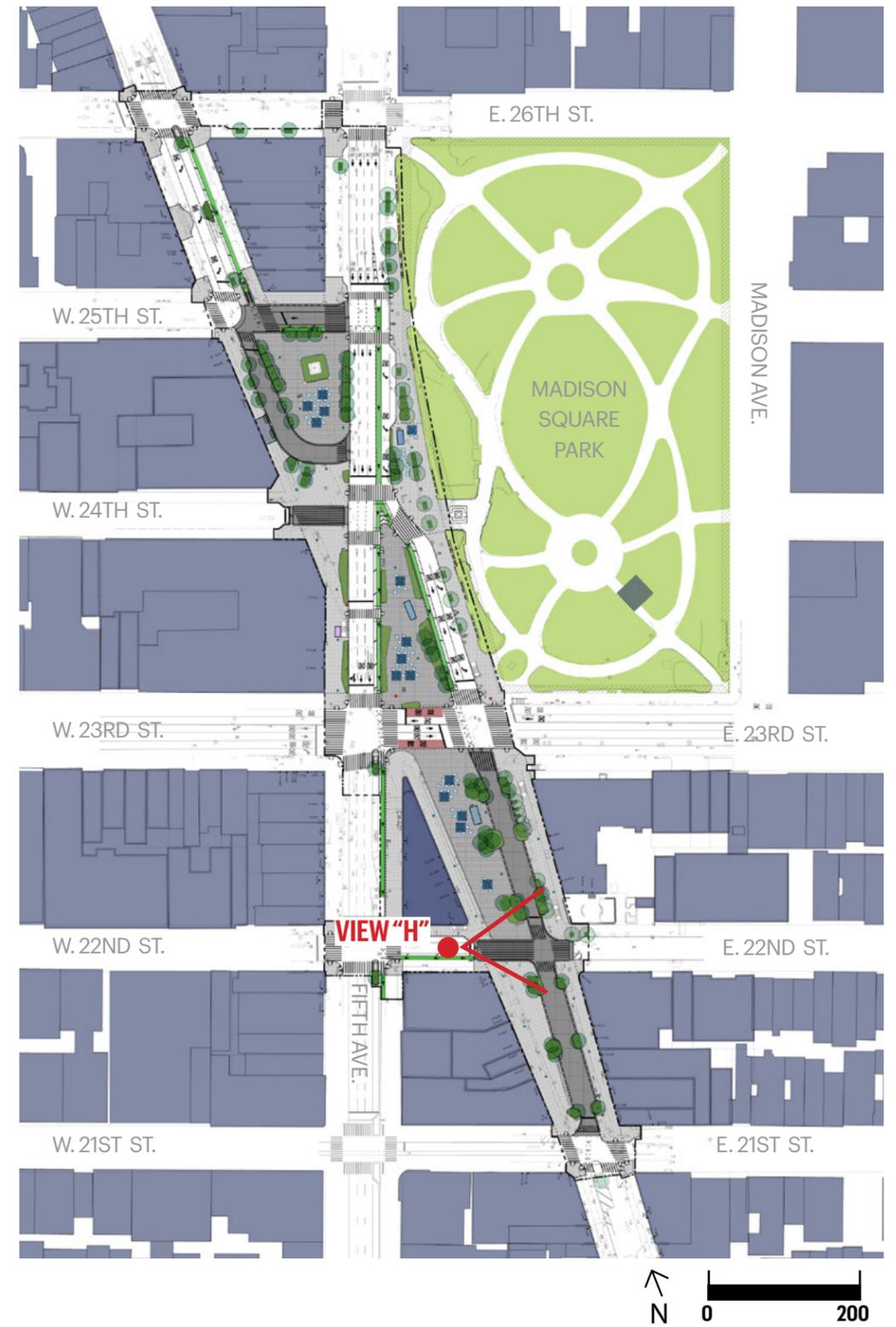
Proposed Plan  
Scale: As Noted

View Study - 22nd Street



PROPOSED CONDITIONS STUDY

KEY PLAN



PROPOSED

Proposed Plan  
Scale: As Noted

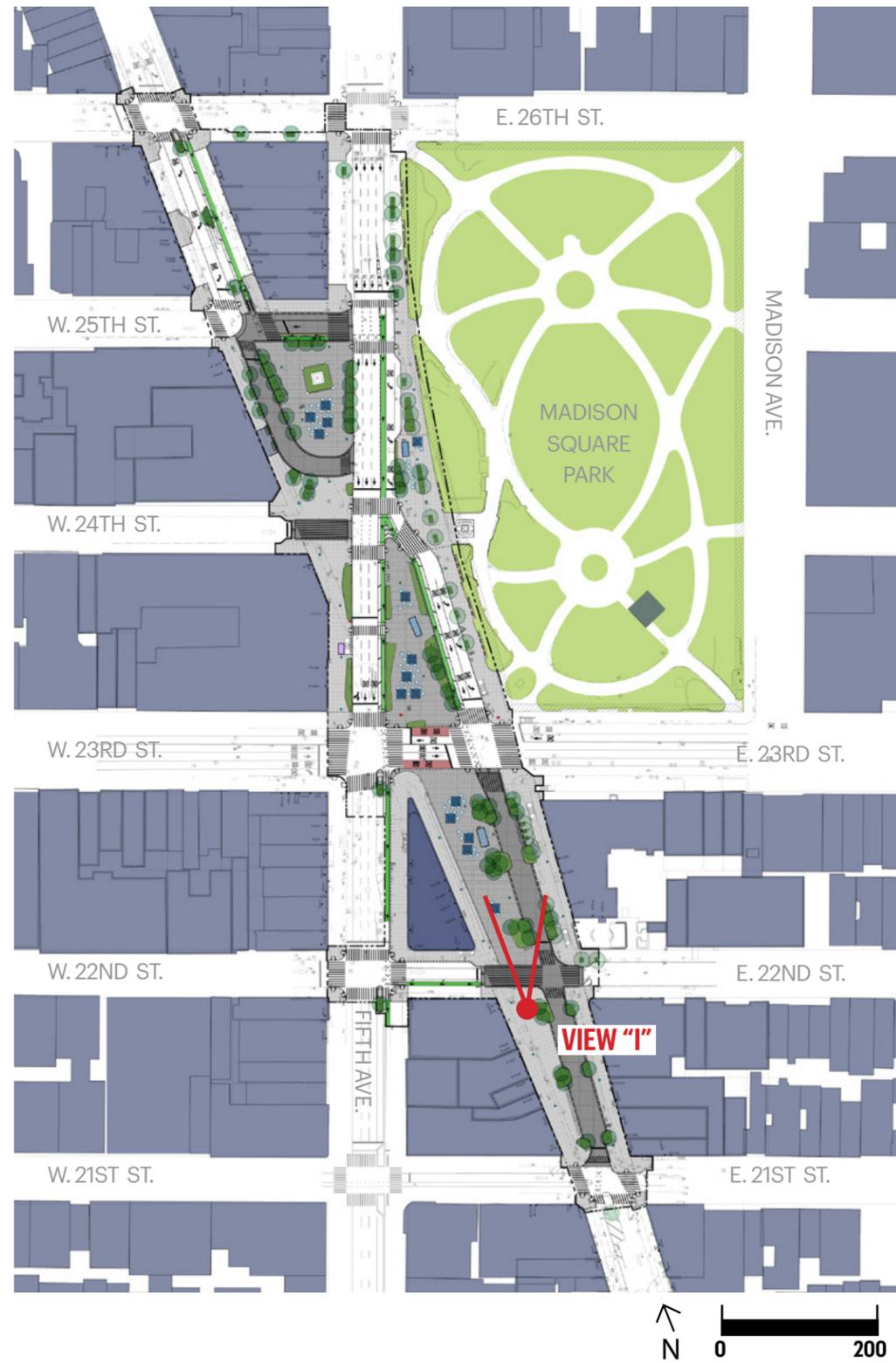
View Study - 22nd Street



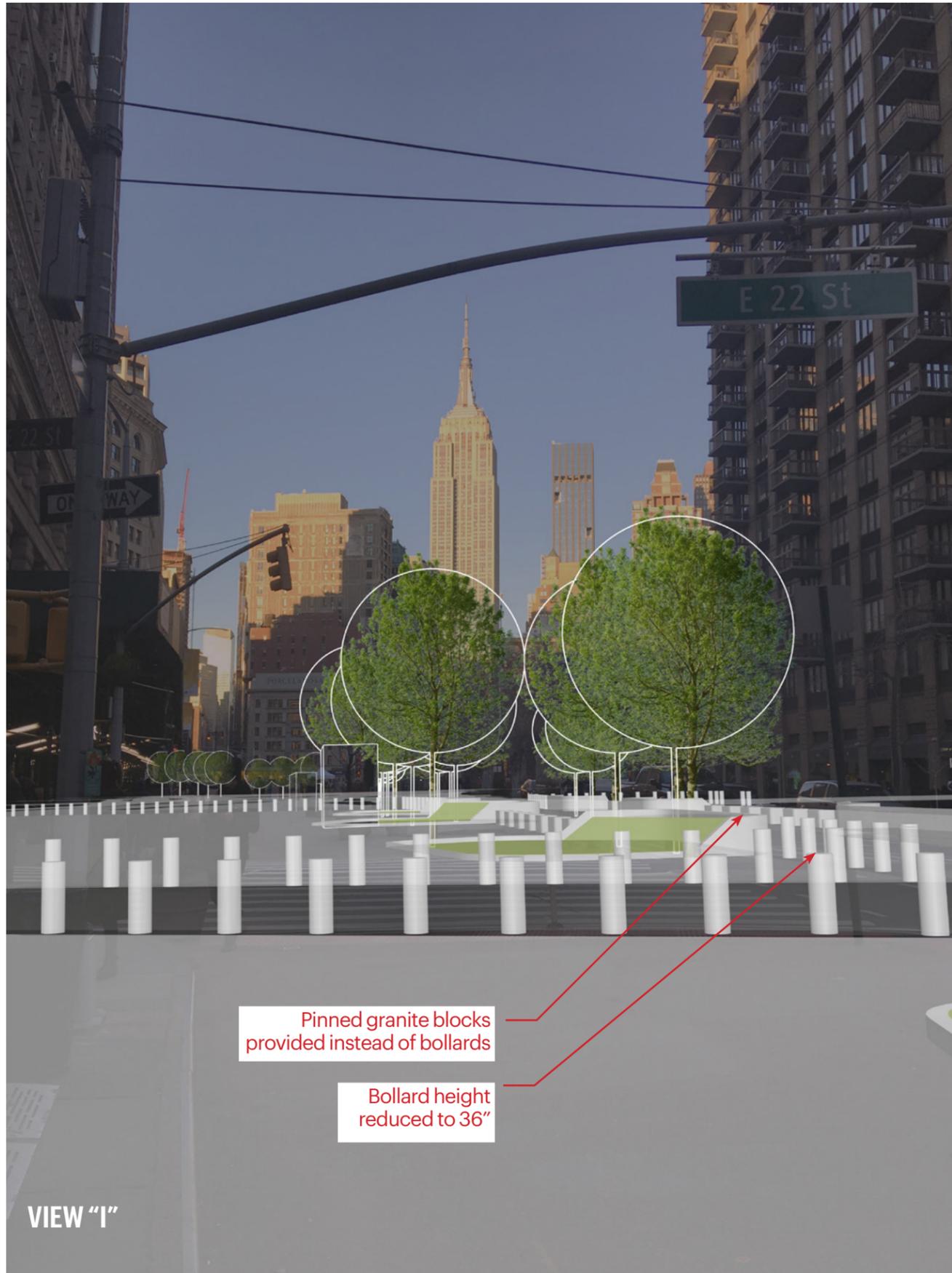
VIEW "1"

PROPOSED CONDITIONS STUDY

KEY PLAN

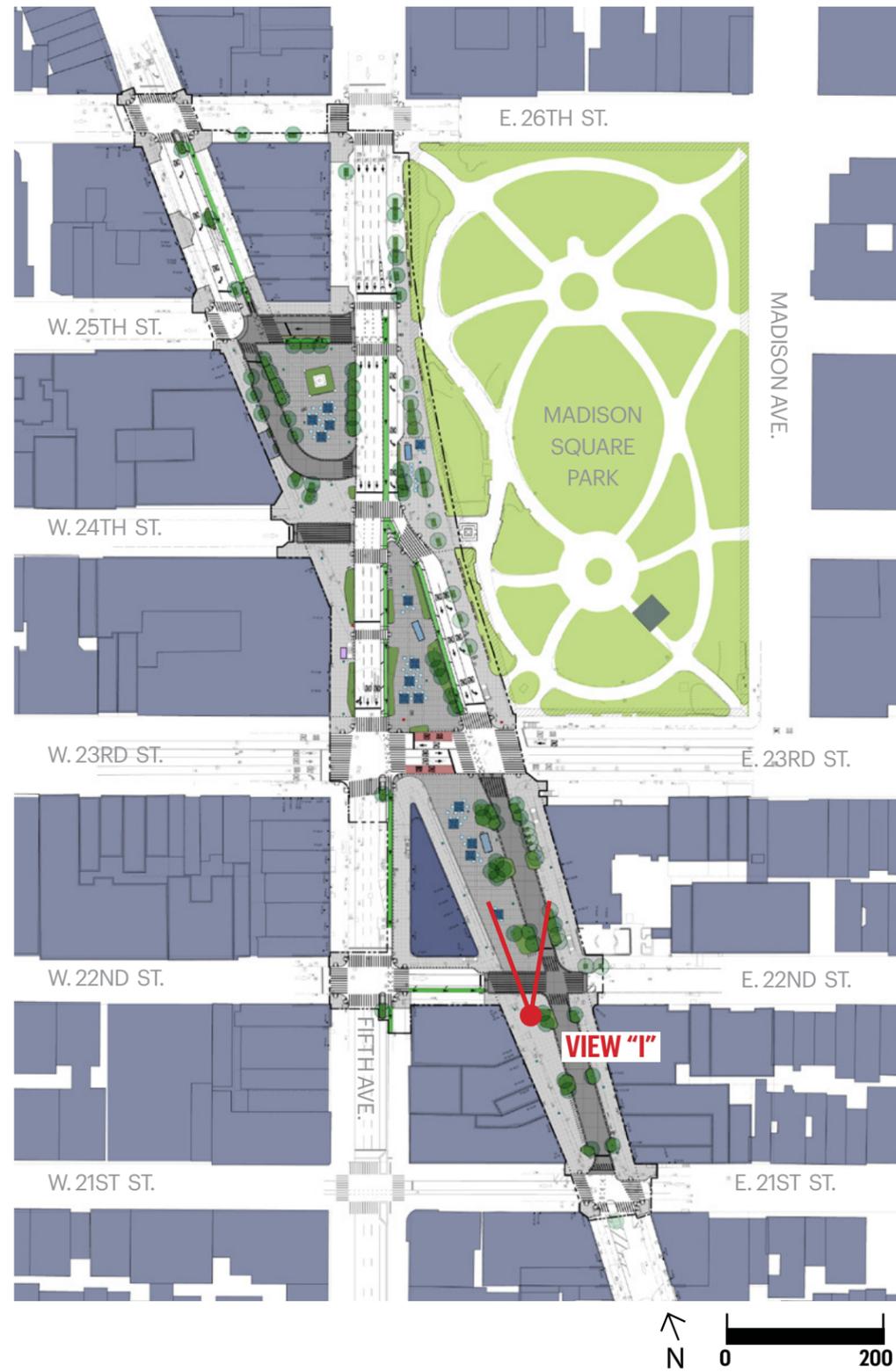


PREVIOUSLY PROPOSED



**PROPOSED CONDITIONS STUDY**

**KEY PLAN**



**PROPOSED**