



42ND STREET PEDESTRIAN SECURITY MEASURES BETWEEN 7TH AND 8TH AVENUE

COMMUNITY BOARDS 4 AND 5 - BRIEFING
PROJECT ID # HWM42PSM/MED679
BOROUGH OF MANHATTAN

January 2025

AGENDA

Background

Project Location

Goals

Funding & Stakeholders

Envision

Site Photos

Existing Site Plan

Existing Condition Plans

Existing Street Furniture

Concept Plans

Proposed Utility Work

Conceptual Bollard Layout Plan

Potential Security Elements

Project Schedule

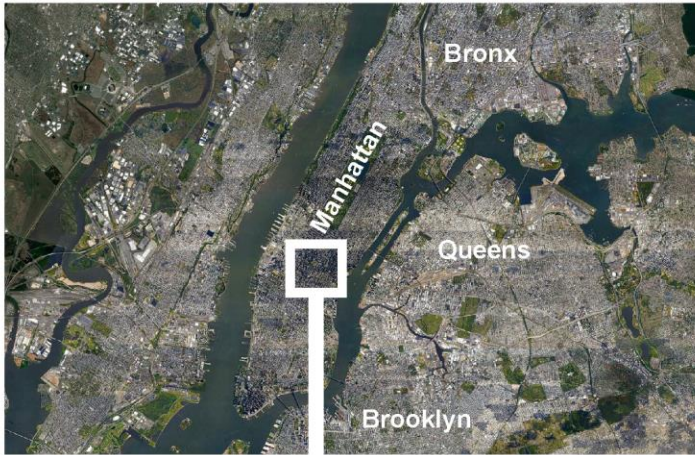
Next Steps

Background



- 1) Project is located in the Theater District
 - Intense pedestrian congestion
- 2) Tourism and entertainment land uses
 - Theaters, cinemas, flagship chain restaurants and retail spaces, hotels
- 3) MTA New York City Transit infrastructure
 - Subway lines – 7th Avenue 1,2,3, 8th Avenue A,C,E, Broadway N,Q,R,W, 7 Train
- 4) Bus stops
 - M42, M7, M20, M104, BxM2, and Express commuter bus
- 5) Recent Work
 - NYC DOT installed bus lanes along 42nd St in 2019 to improve bus speeds. Section of corridor between 7th and 8th Avenues included extra wide bus lanes to save space for eventual sidewalk widenings and pedestrian security infrastructure

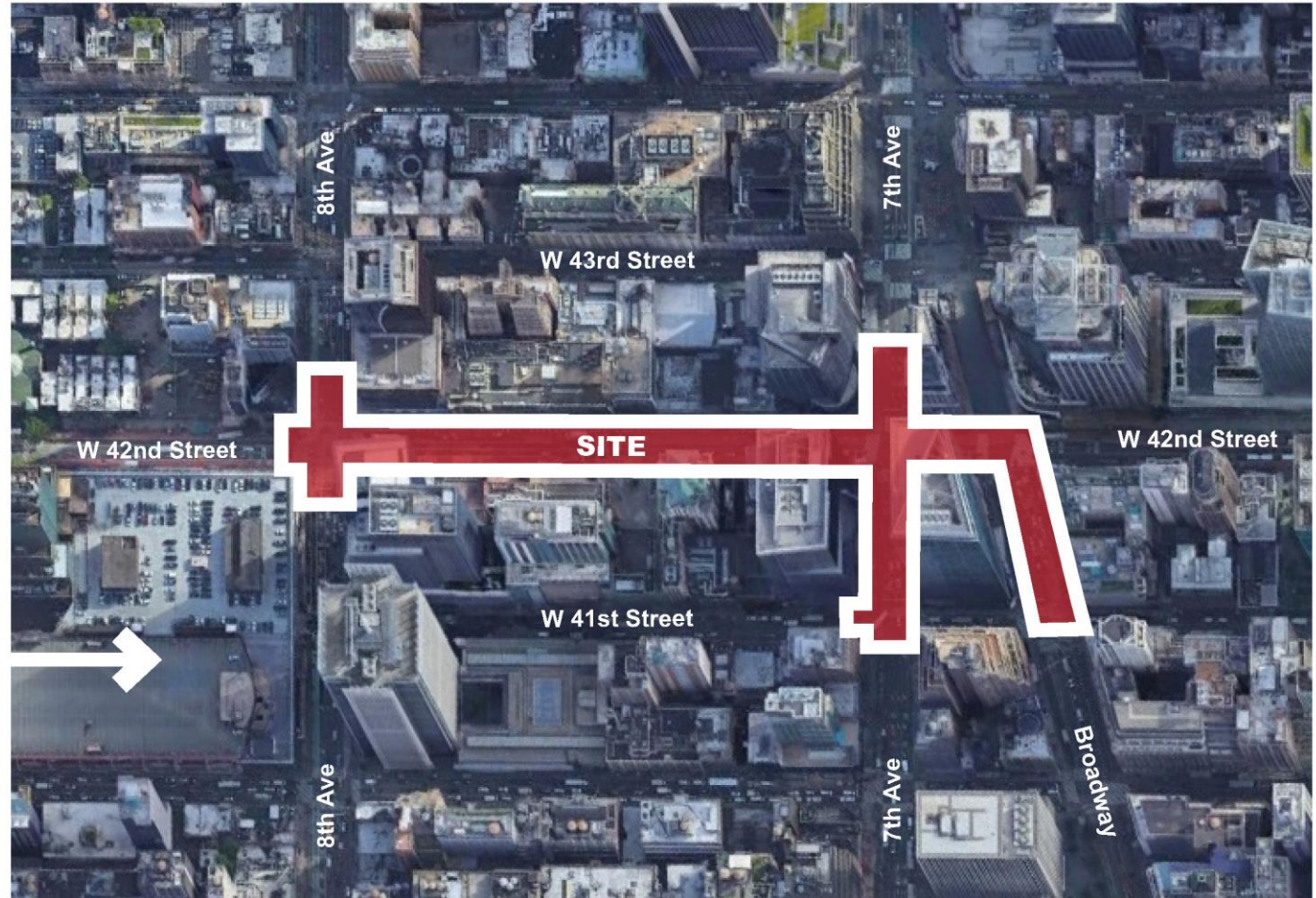




CITY



NEIGHBORHOOD



SITE



42nd Street Pedestrian Security Measures
Between 7th and 8th Avenue

Project Location
Scale: NTS

Goals



- 1) Ease sidewalk congestion and improve pedestrian safety by widening sidewalks
- 2) Introduce new, permanent security infrastructure to protect pedestrians from aberrant driver behavior, removing temporary security items
 - North and south sidewalks of 42nd Street between 7th and 8th Avenues
 - West sidewalk on 7th Avenue between 41st and 42nd Streets
 - East sidewalk curb extensions on 8th Avenue
- 3) Full reconstruction along 42nd Street between 7th and 8th Avenues
- 4) Water main and combined sewer replacements on 42nd Street, 7th Avenue and Broadway (DEP scope)
 - 48” trunk water main:
 - 42nd Street between 7th and 8th Avenues
 - 7th Avenue between 41st and 42nd Streets
 - 12” distribution water main:
 - 7th Avenue between 41st and 42nd Streets and 42nd Street between 7th Avenue and Broadway
 - 20” distribution water main:
 - Broadway between 41st and 42nd Streets
 - 15” combined sewer:
 - 7th Avenue between 41st and 42nd Streets
- 5) Address sustainability measures through Envision

Funding & Stakeholders



Funding Sources

NYC DOT: City Mayoral, Construction - \$ 41,707,000.00

NYC DEP: Construction - \$ 15,201,900.00

Stakeholders

- NYCDDC
- NYCDOT
- NYCDEP
- NYC Parks
- PDC
- NYCT
- PANY & NJ
- FDNY
- NYPD Counter Terrorism
- Community Boards 4 and 5
- Times Square Alliance - BID
- Broadway League

Envision



ENVISION

Envision is a framework that includes 64 sustainability and resilience indicators, called 'credits' organized around 5 categories.

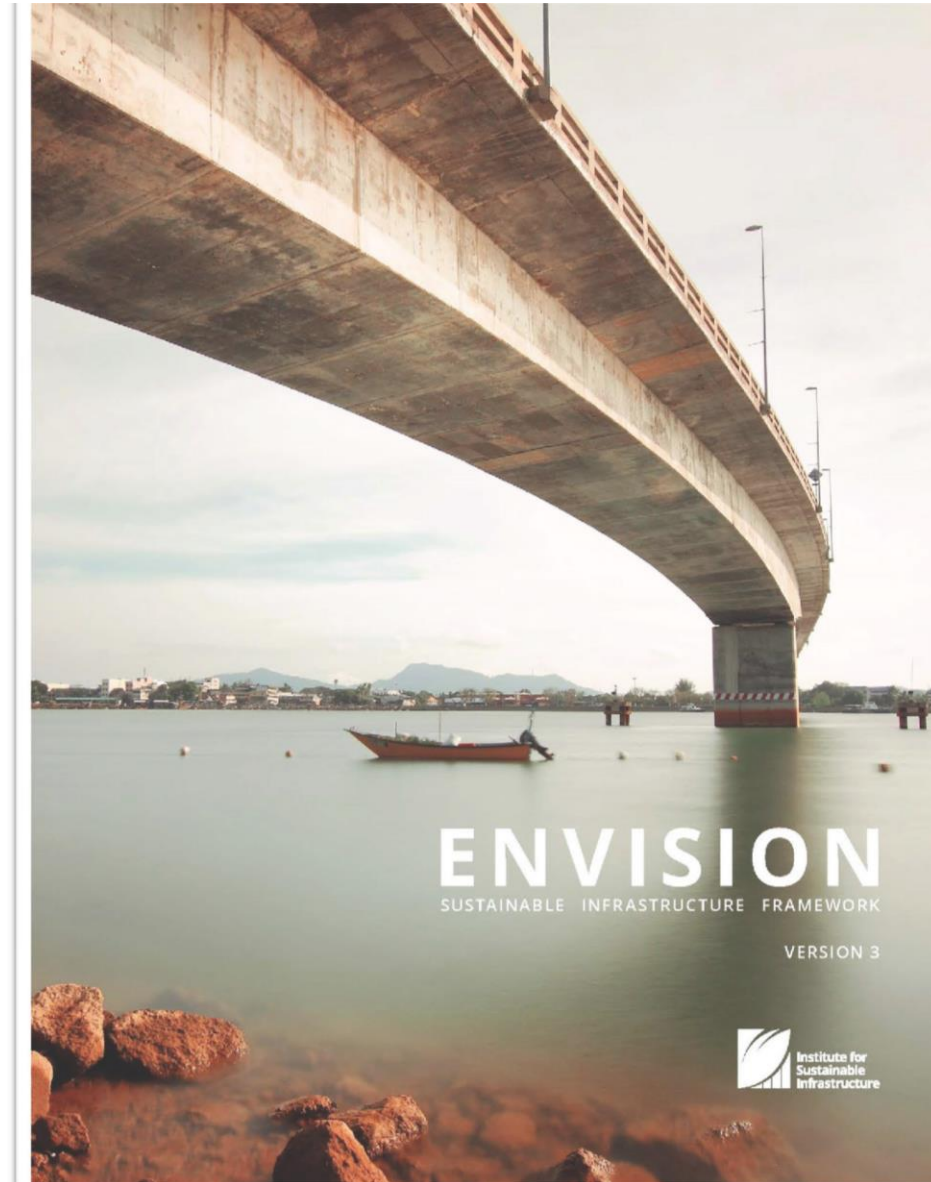
-  **Quality of Life**
14 Credits
-  **Leadership**
12 Credits
-  **Resource Allocation**
14 Credits
-  **Natural World**
14 Credits
-  **Climate & Resilience**
10 Credits



DDC uses Envision as a tool to implement sustainable and resilient design strategies on infrastructure projects.

TASK ORDERS WITH ENVISION

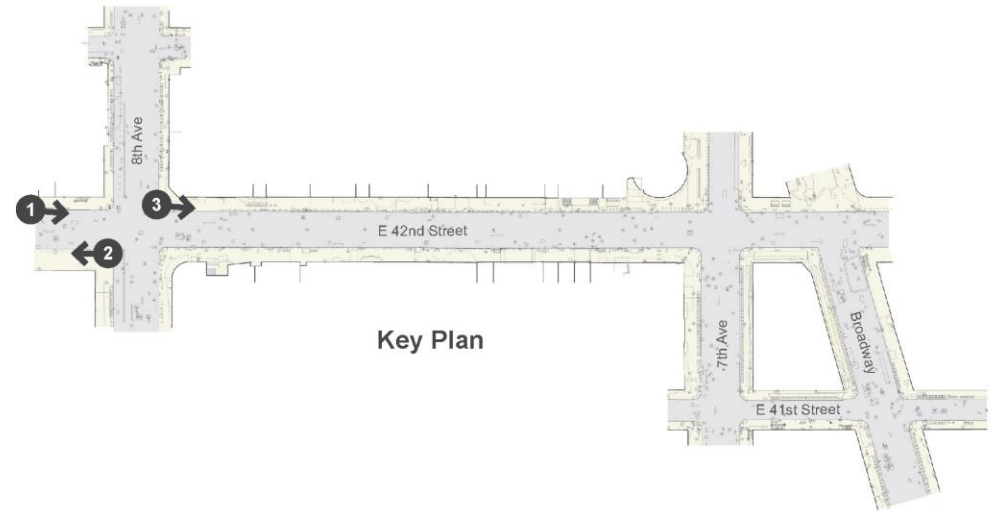
Pathway A: Design + Post-Construction

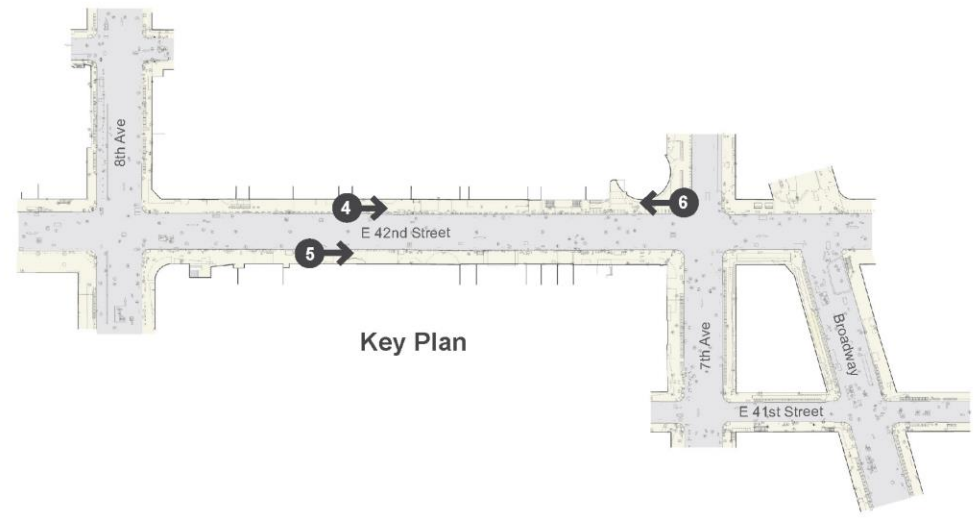


Envision



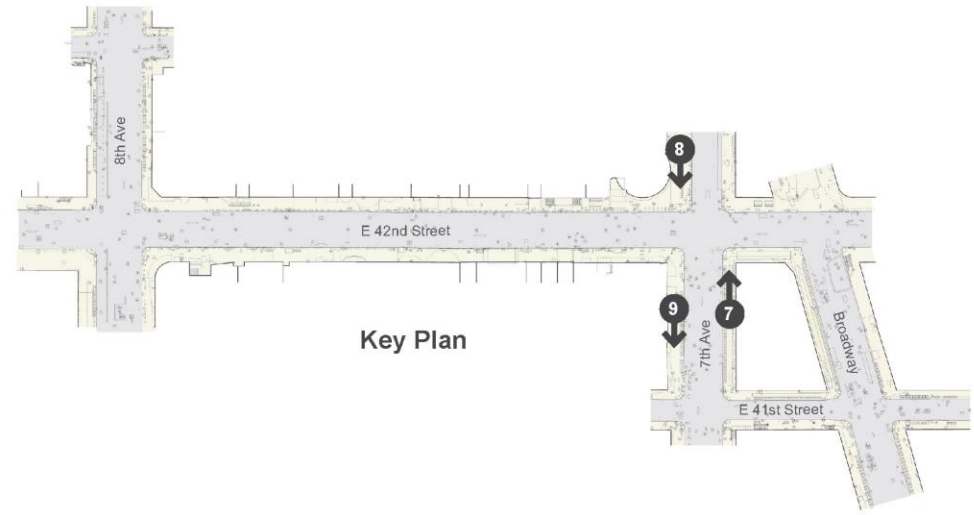
- 1 Project Typology IX – Street Works
- 2 Prepare a Sustainability Work Plan
 - Consider opportunities for improving the sustainable impact of the project
- 3 Track the project with the Envision scoresheet and compile support documentation
- 4 Early and sustained stakeholder engagement and involvement in project decision making
 - CB4 and CB5 feedback on Mass Mailing No. 1 Envision Questionnaire

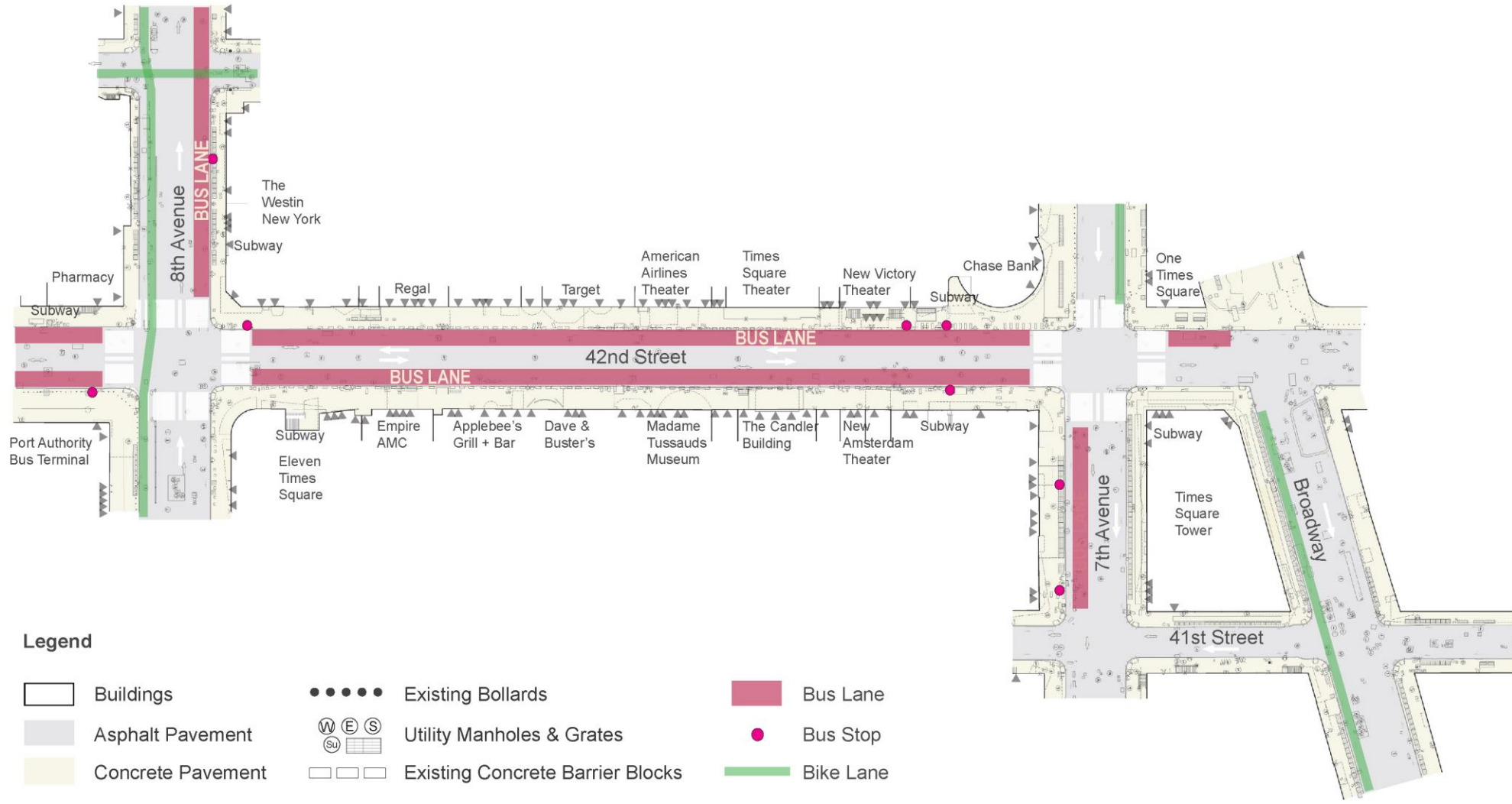




42nd Street Pedestrian Security Measures Between 7th and 8th Avenue

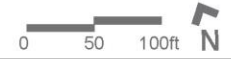
Site Photos





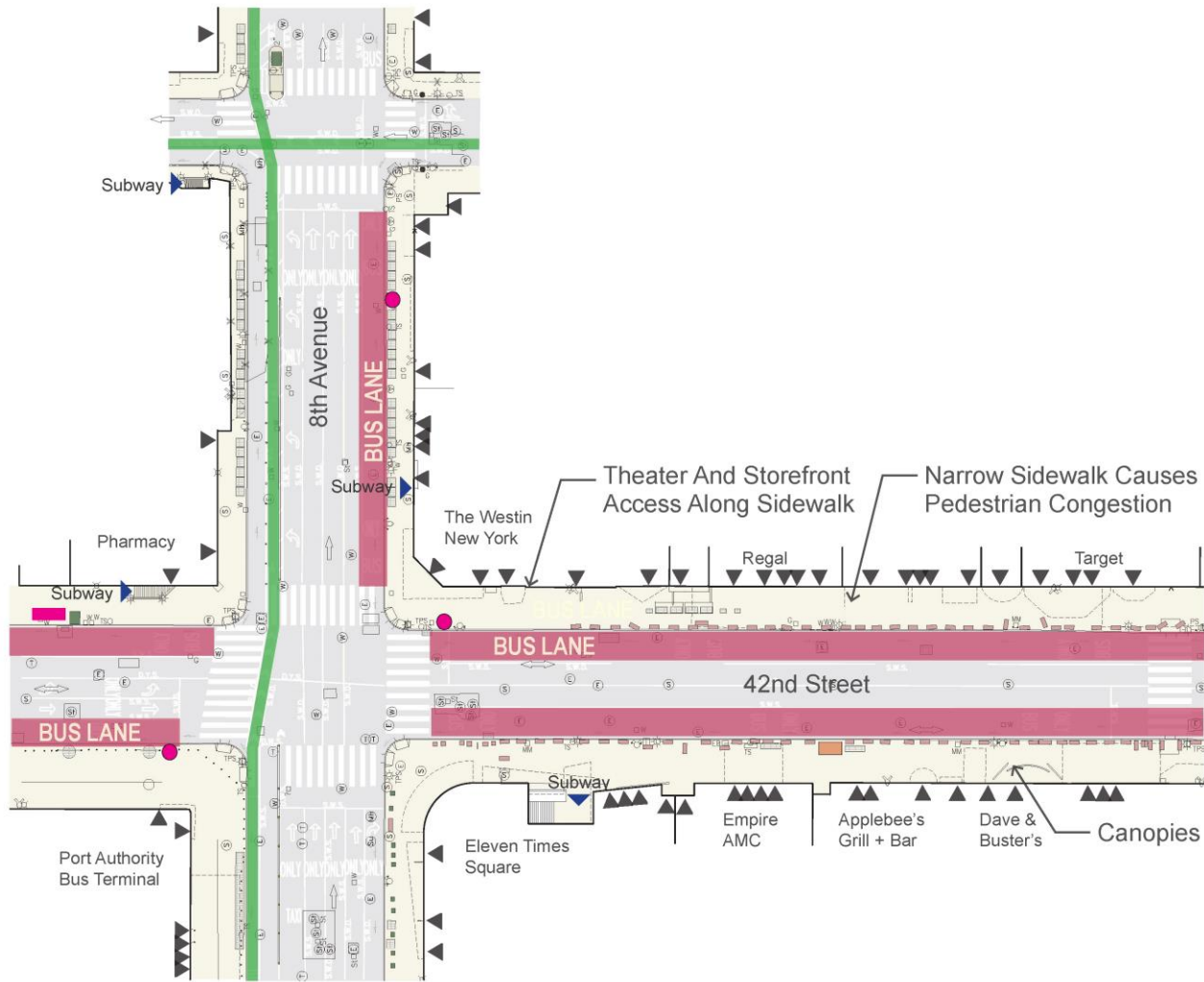
Legend

- Buildings
- Asphalt Pavement
- Concrete Pavement
- Existing Bollards
- Utility Manholes & Grates
- Existing Concrete Barrier Blocks
- Bus Lane
- Bus Stop
- Bike Lane



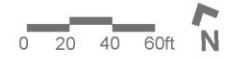
42nd Street Pedestrian Security Measures Between 7th and 8th Avenue

Existing Site Plan



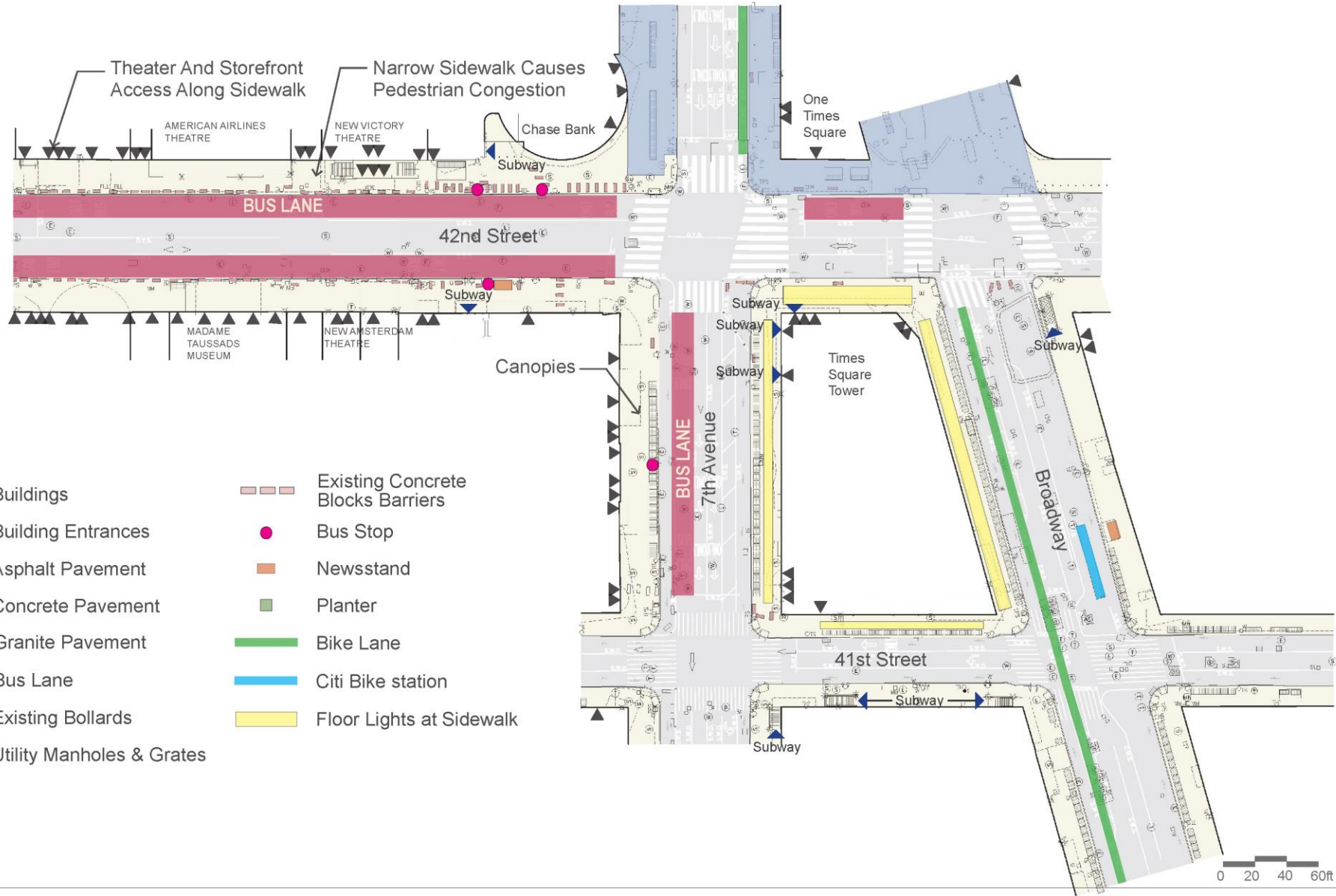
Legend

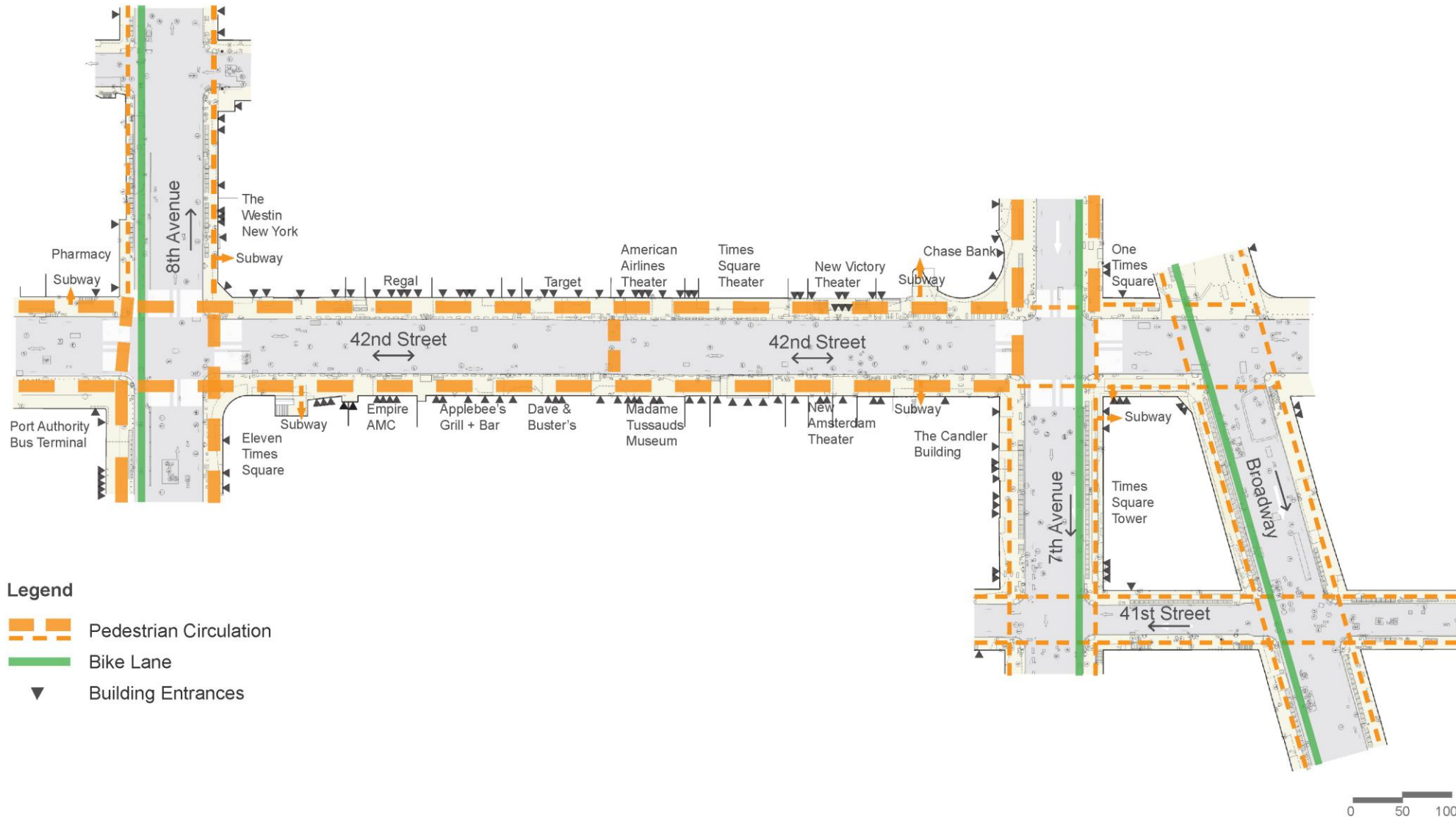
- Buildings
- Building Entrances
- Asphalt Pavement
- Concrete Pavement
- Bus Lane
- Existing Bollards
- Utility Manholes & Grates
- Existing Concrete Blocks Barriers
- Bus Shelter
- Bus Stop
- Newsstand
- Planter
- Bike Lane



42nd Street Pedestrian Security Measures Between 7th and 8th Avenue

Existing Site Plan - West





Existing Street Furniture



Security Bollards and Barriers



Movable Seating



Planters



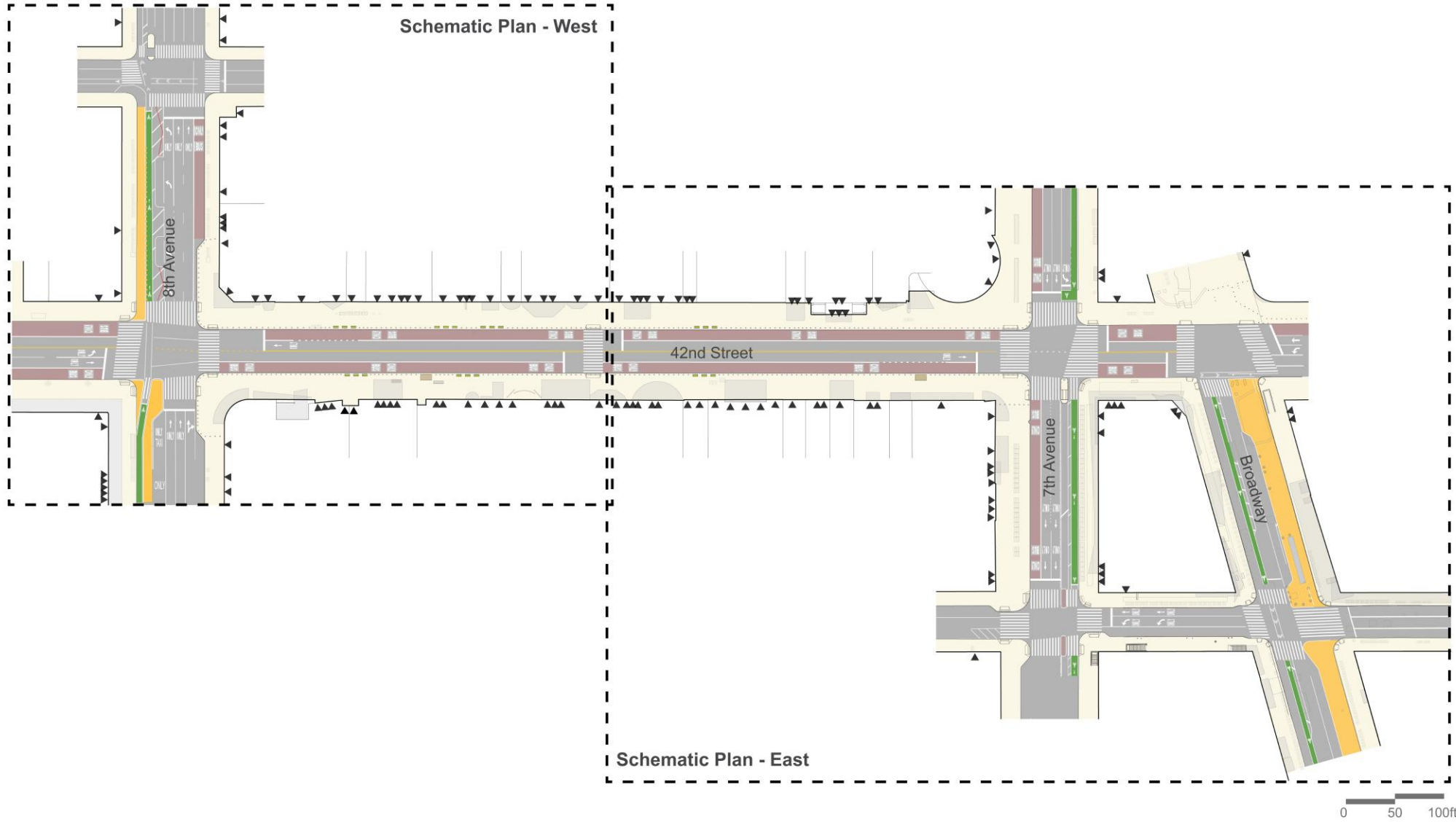
Signage & Wayfinding



Bike Racks

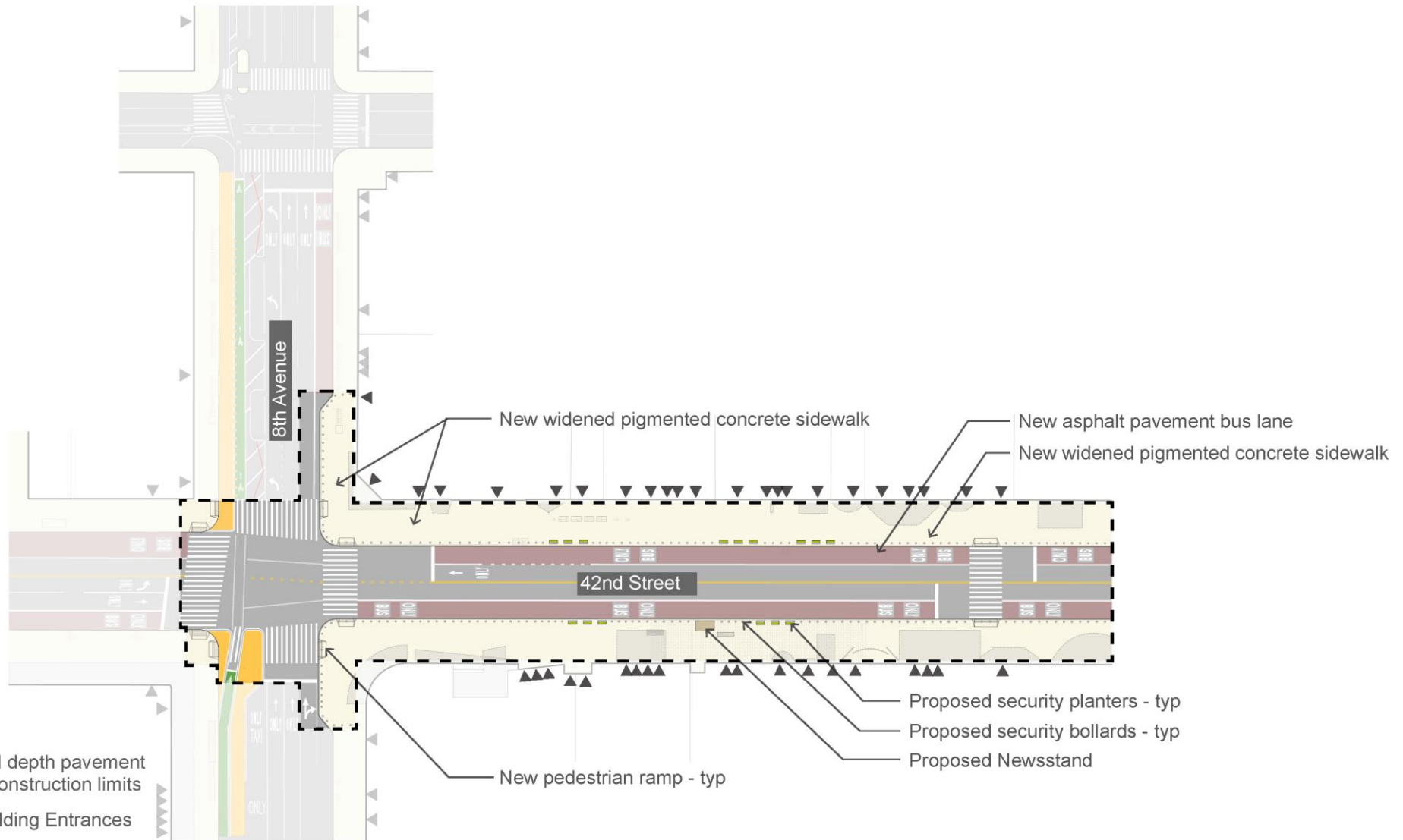


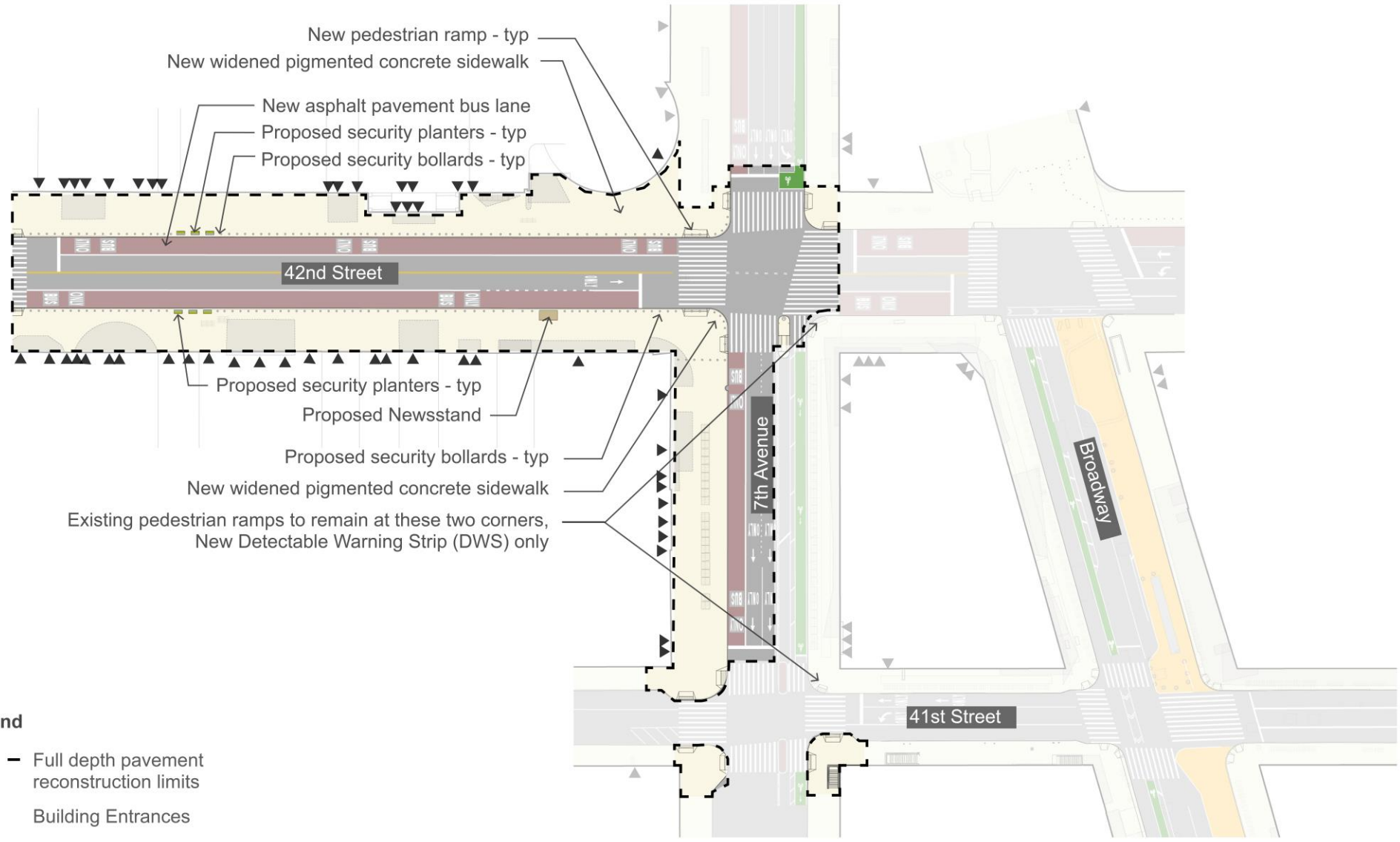
Art Installations



Legend

- - - Full depth pavement reconstruction limits
- ▼ Building Entrances





New pedestrian ramp - typ
 New widened pigmented concrete sidewalk
 New asphalt pavement bus lane
 Proposed security planters - typ
 Proposed security bollards - typ

42nd Street

Proposed security planters - typ
 Proposed Newsstand
 Proposed security bollards - typ
 New widened pigmented concrete sidewalk
 Existing pedestrian ramps to remain at these two corners,
 New Detectable Warning Strip (DWS) only

7th Avenue

Broadway

41st Street

Legend

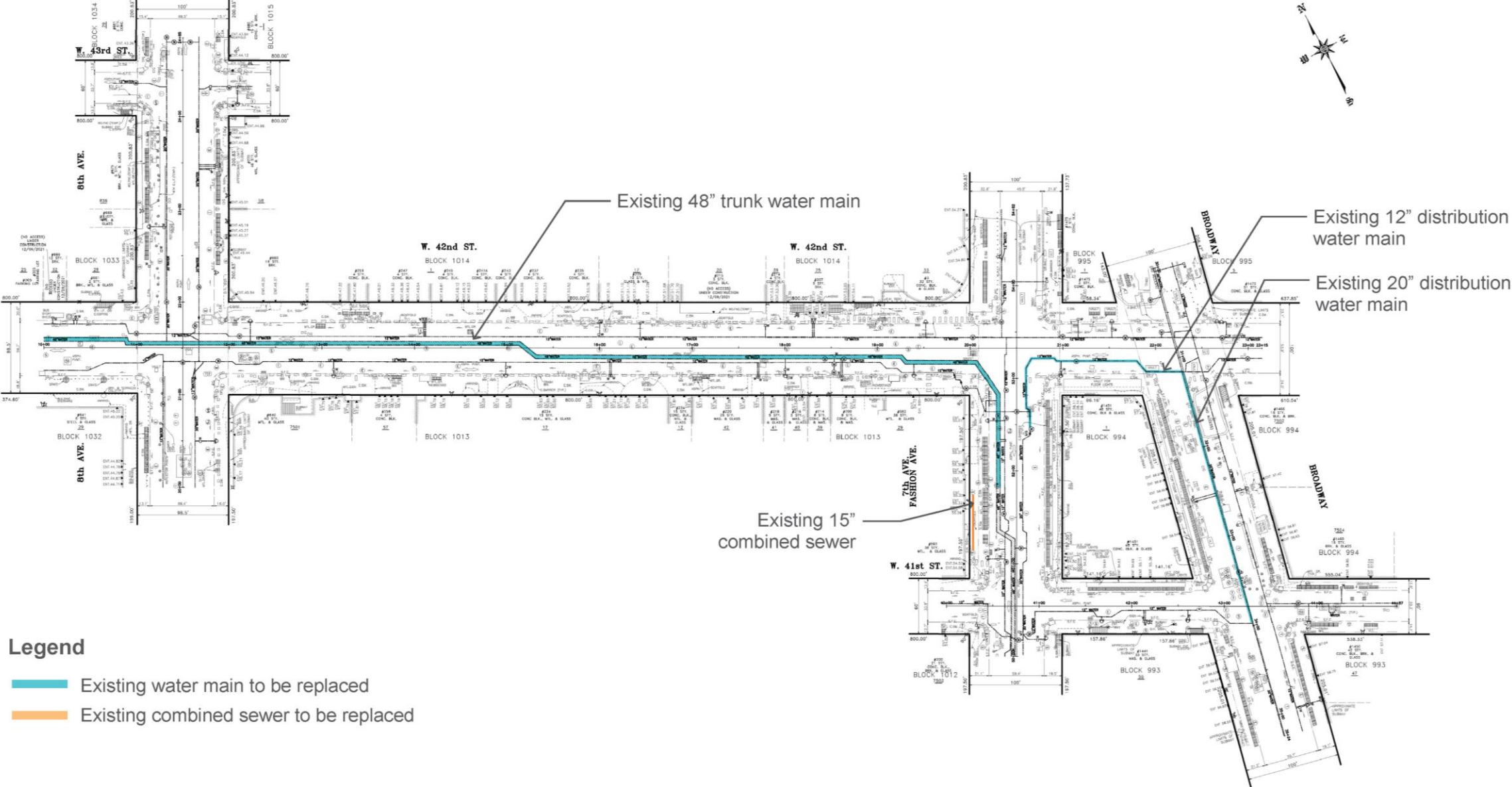
- - - Full depth pavement reconstruction limits
- ▼ Building Entrances





**42nd Street Pedestrian Security Measures
 Between 7th and 8th Avenue**

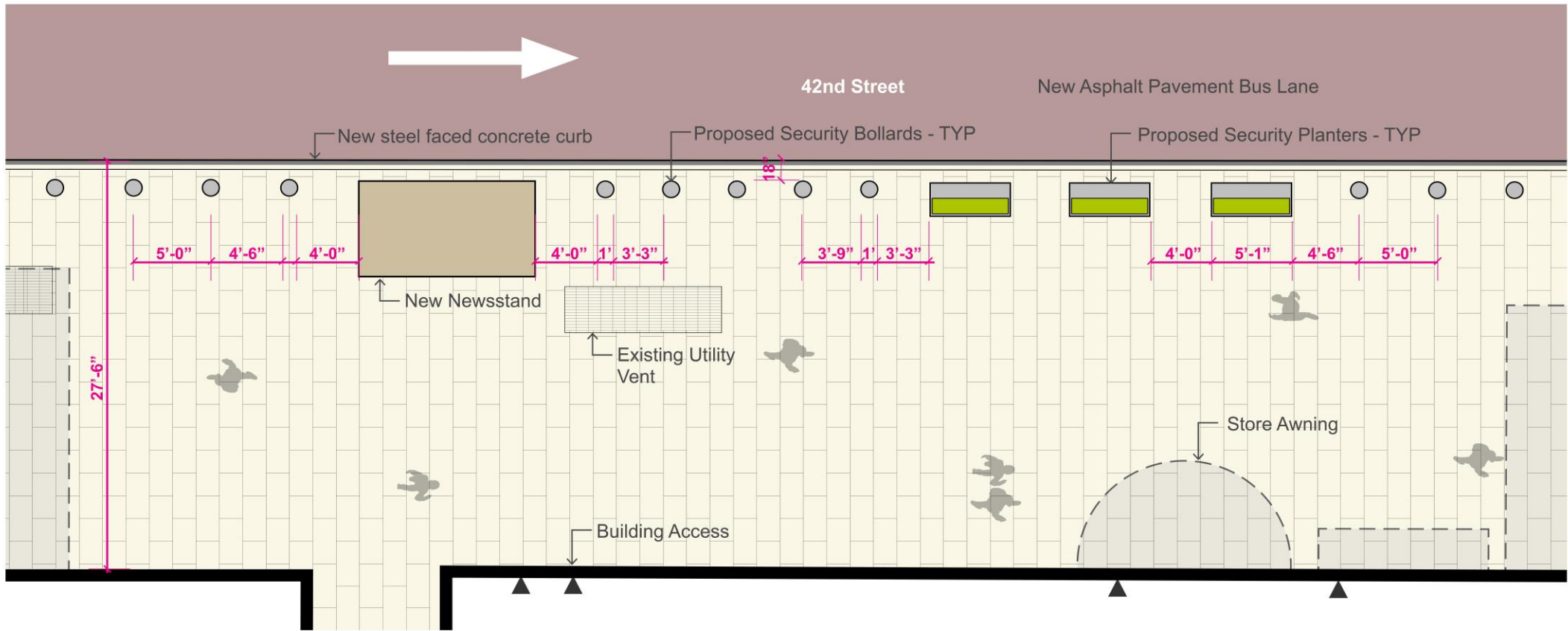
Schematic Plan - East

Proposed Utility Work

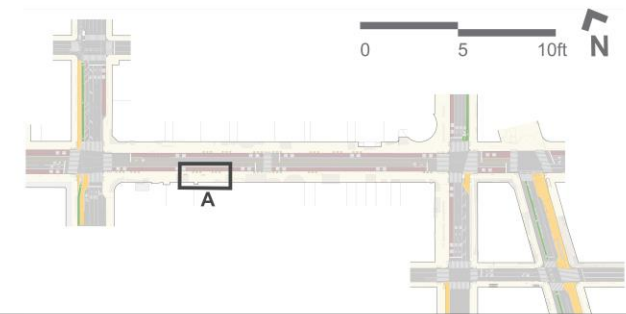


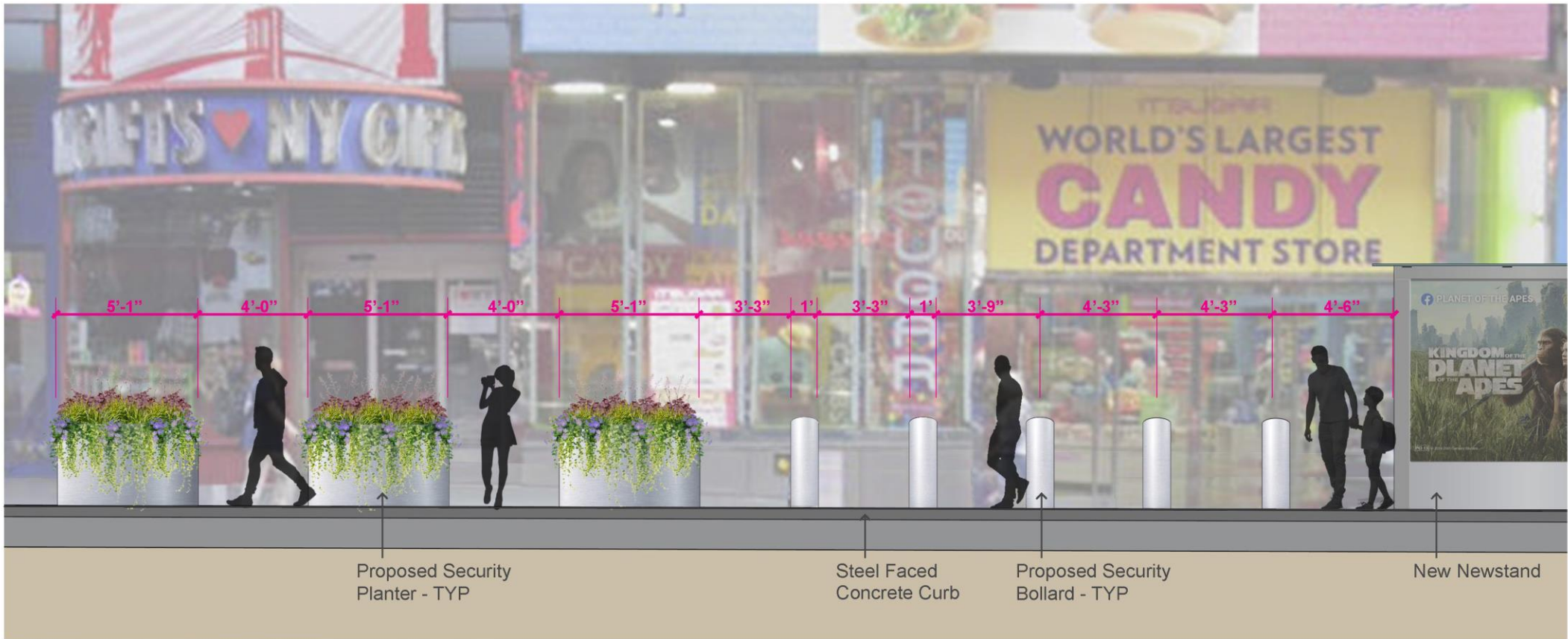
Legend

-  Existing water main to be replaced
-  Existing combined sewer to be replaced

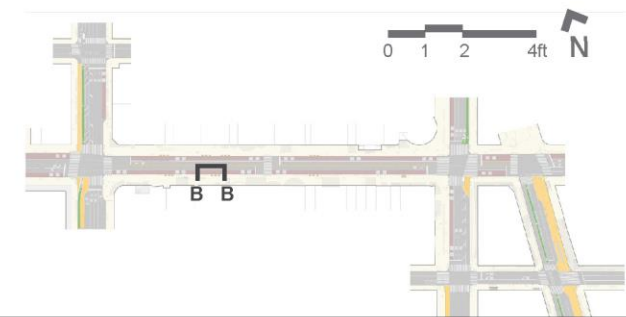


Detail Area Schematic Plan A





Schematic Elevation BB



42nd Street Pedestrian Security Measures
Between 7th and 8th Avenue

Schematic Elevation BB





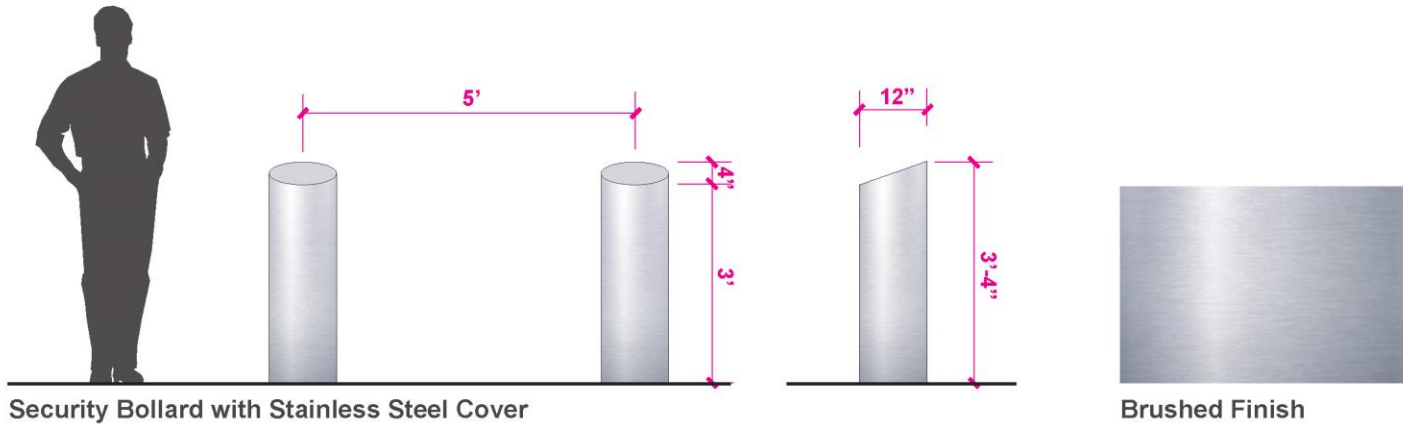
NYCDOT Concrete Pavement with London Scoring



Color Commercial Gray
Finish Silicon Carbide



Security Bollards

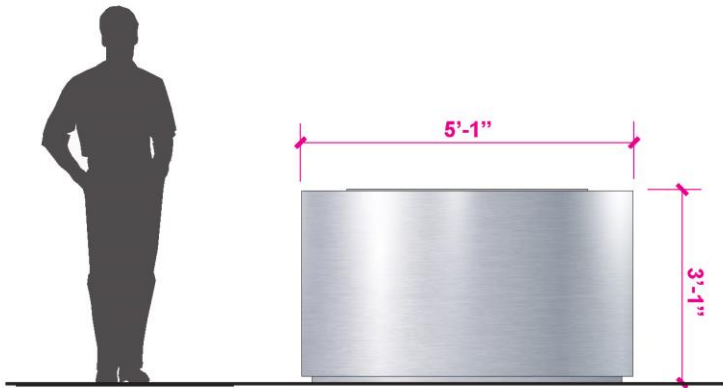
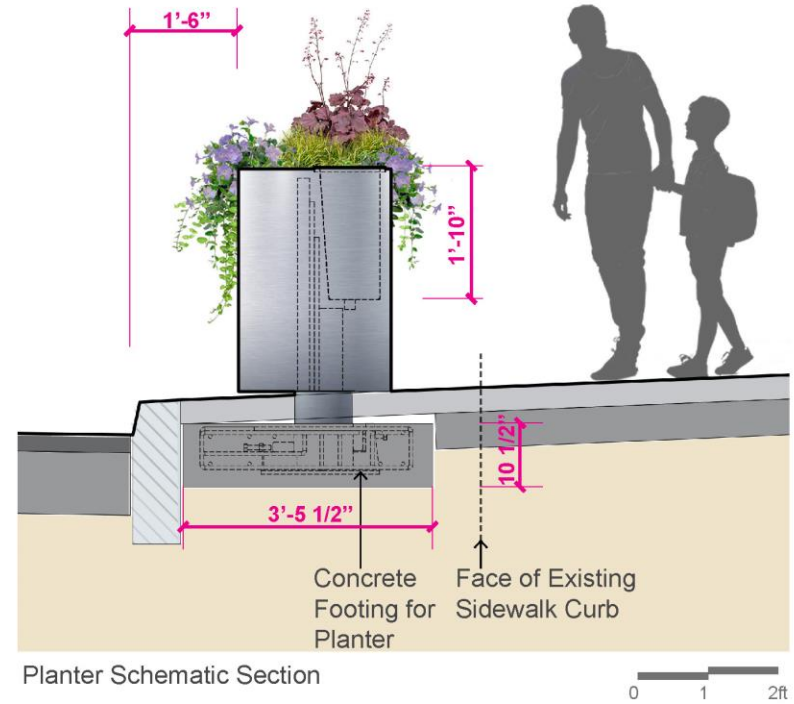


Security Bollard with Stainless Steel Cover

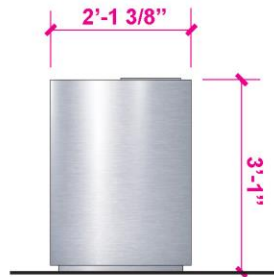
Brushed Finish



Security Planters



Security Planter with Stainless Steel Cover



Brushed Finish

Project Schedule



Project Design Milestones:

Curb Geometry Approved by NYC DOT – May 31, 2023

MM1 Distribution – May 17, 2024

Geotechnical Borings and Test-pits – Spring/Summer 2024

PDC Informal Submission – July 17, 2024

PDC Preliminary Submission – Spring 2025

MM2 Distribution – Spring 2025

PDC Final Submission – Fall 2025

Final Design Documents Submission – December 2025



Next Steps



- Letter of support for the project to submit with PDC submission
- Final design of security bollards and planters
- Envision Questionnaire feedback

DDC's Office of Community Outreach + Notification (OCON), will work with CBs, BIDs, local businesses and other community stakeholders impacted by construction.

Contact Person

- Marilyn Nunez (NunezMa@ddc.nyc.gov)



THANK YOU!

Q&A