

Second Avenue Subway Phase 2



NEPA

Supplemental Environmental Assessment

Public Meeting

July 31, 2018



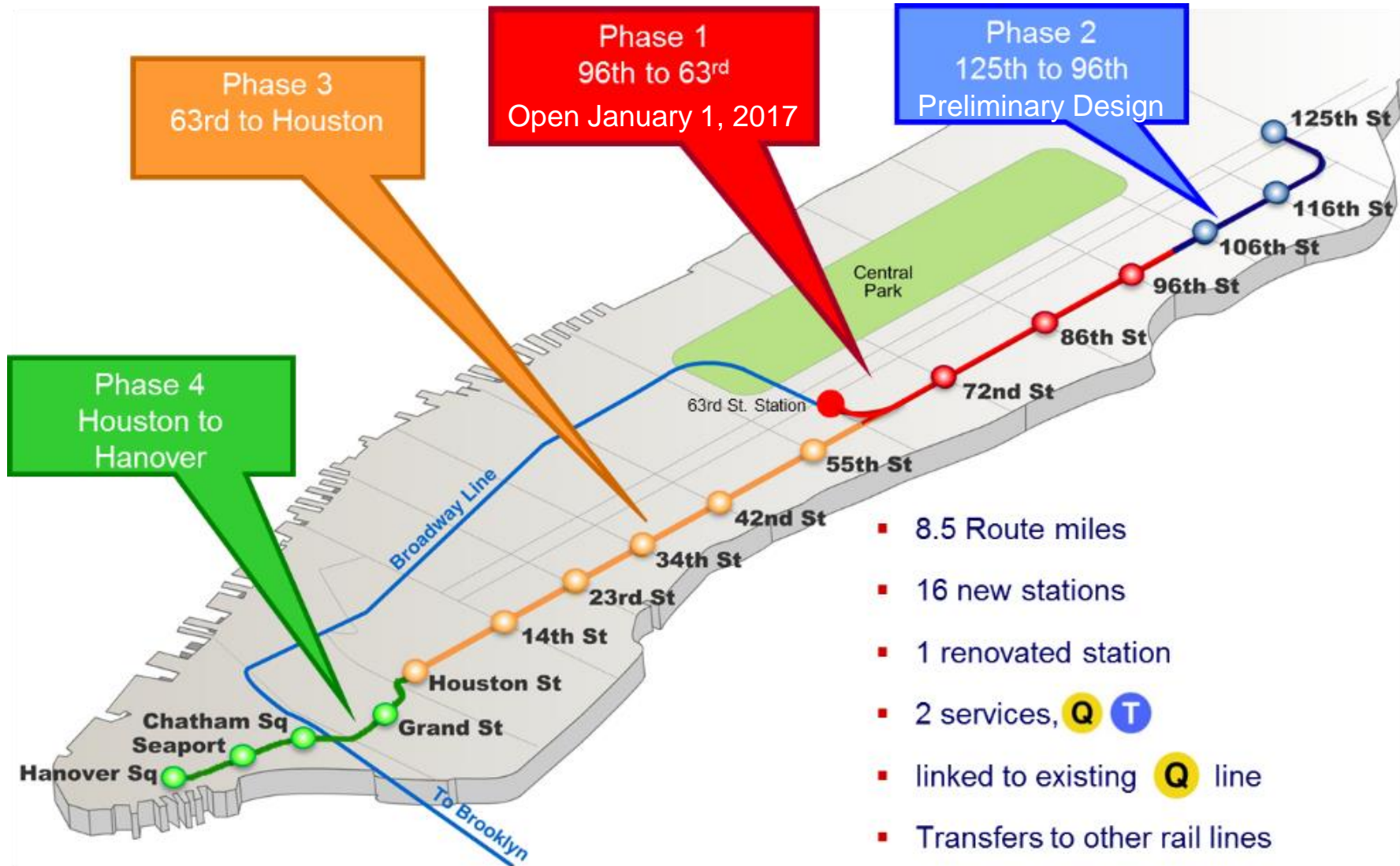
► Purpose of Meeting

- Supplemental Environmental Assessment (EA) for Phase 2
 - Opportunity for public comments on the project and the EA
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▶ Meeting Agenda

- Second Avenue Subway Project Overview
- Description of Phase 2
- Phase 2 Construction
- Property Acquisition
- Summary of Environmental Review
- Public Comments

Second Avenue Subway Overview



Project Status

Underway:

- Preliminary design
- Field investigation
- Environmental review
- Community Outreach

Upcoming:

- Advanced utility relocation
- Final Design
- Construction



Project Status



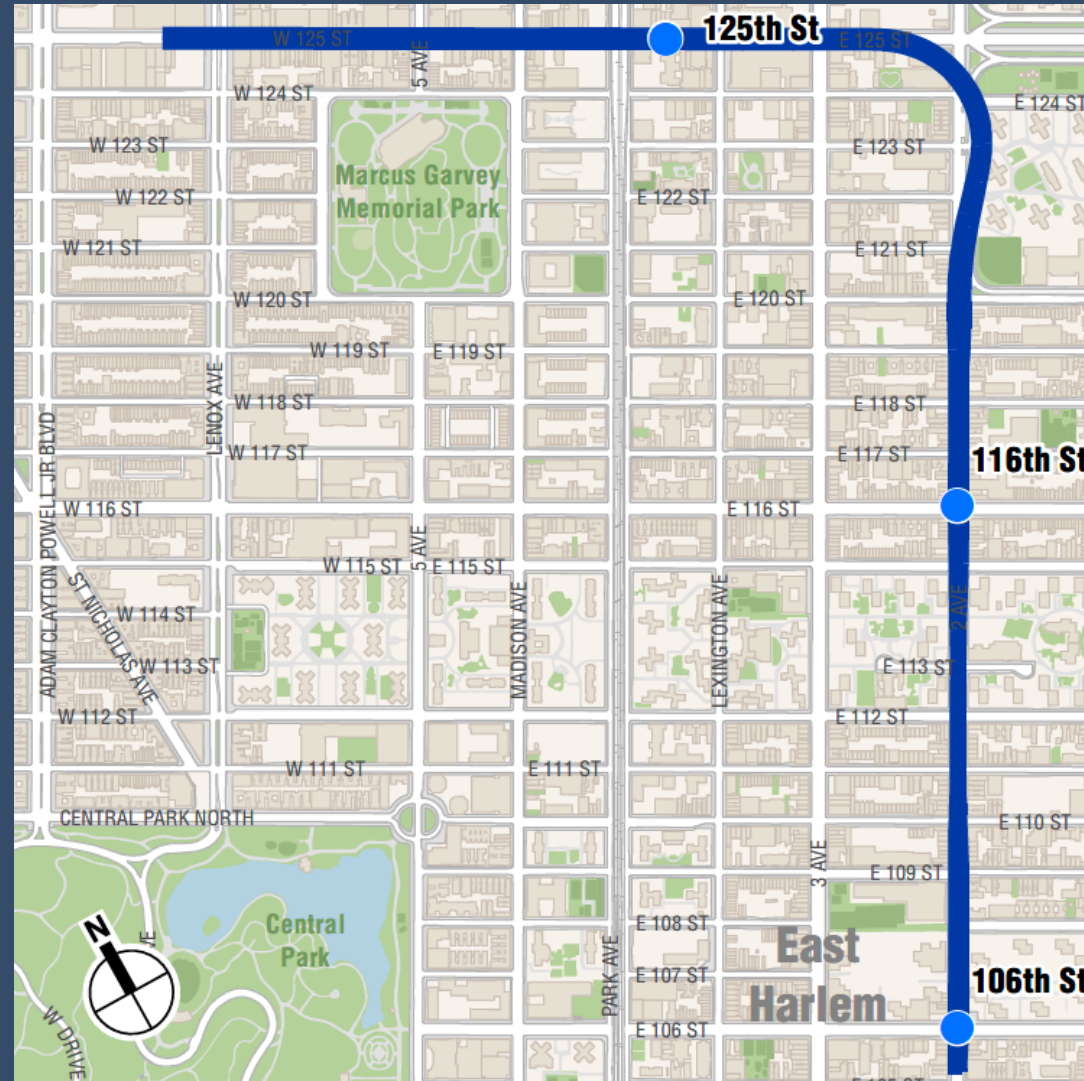
Community Contacts to Date:

- 4,664 visitors to Community Information Center
- 5,680 interactions via pop-up CIC events

Second Avenue Subway Phase 2



Second Avenue Subway Phase 2



Improved Quality Of Life



Ridership

Phase 1 has drawn nearly 190,000 week day riders, and Phase 2 is projected to draw another 100,000 riders.



Time Savings

Phase 1 average time savings of up to 20min/day, 7.2hrs/month and 3.6days/year. Phase 2 will offer similar time savings projections.



Accessibility

All new stations will have ADA elevator and escalator access.



Streetscape

We will leave the area better than we found it. Impacted streets, sidewalks and trees will be replaced. Ancillary structures will be designed so that they feature options for vibrant commercial space.



Modern Stations

Stations will be bright, comfortable, and modern.



Improved Conditions

Reduce crowding on the 4/5/6, and create a one seat ride from Harlem 125th Street to West Midtown, Times Square, Chinatown, and on to Coney Island, Brooklyn

BENEFITS OF THE SECOND AVENUE SUBWAY

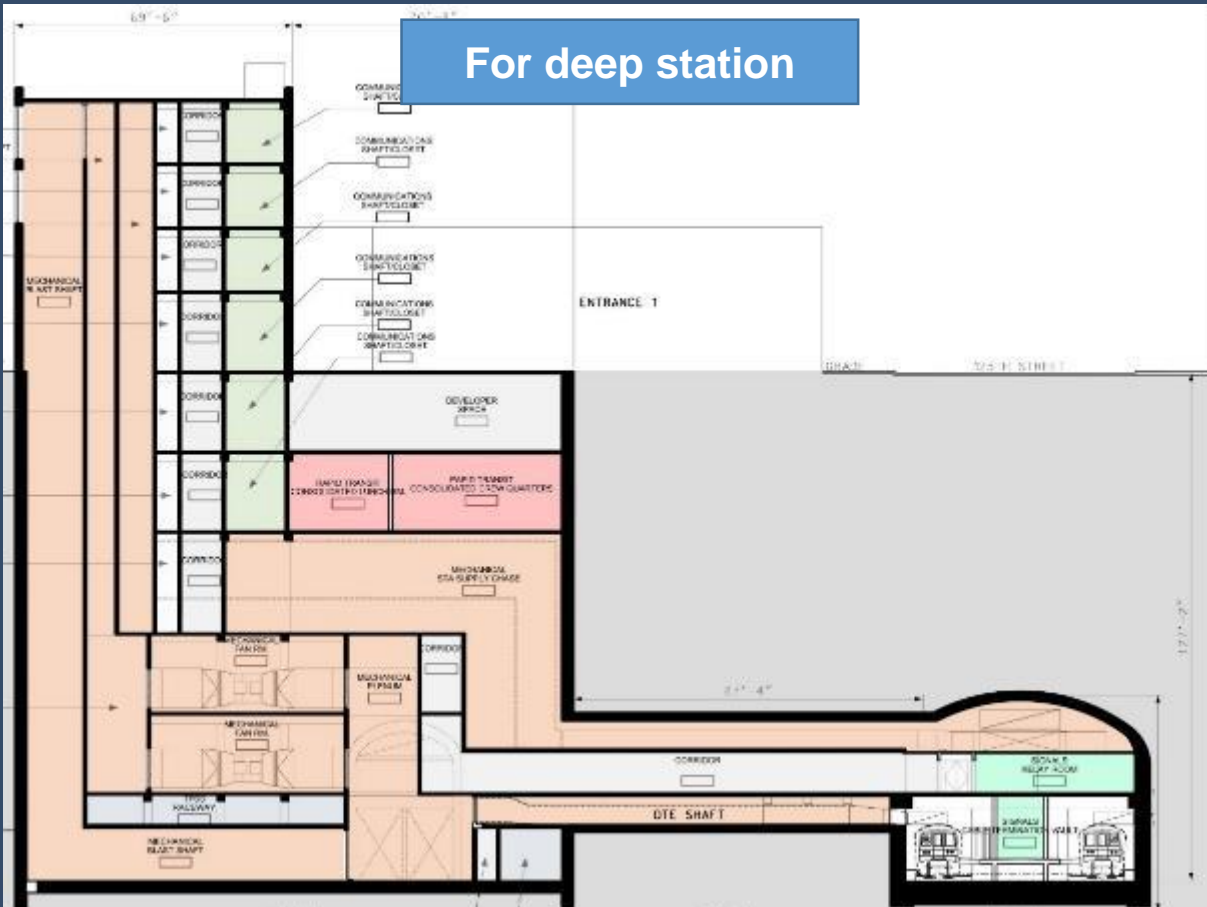
Design Goals for Phase 2

- Minimize impacts on residential and business community



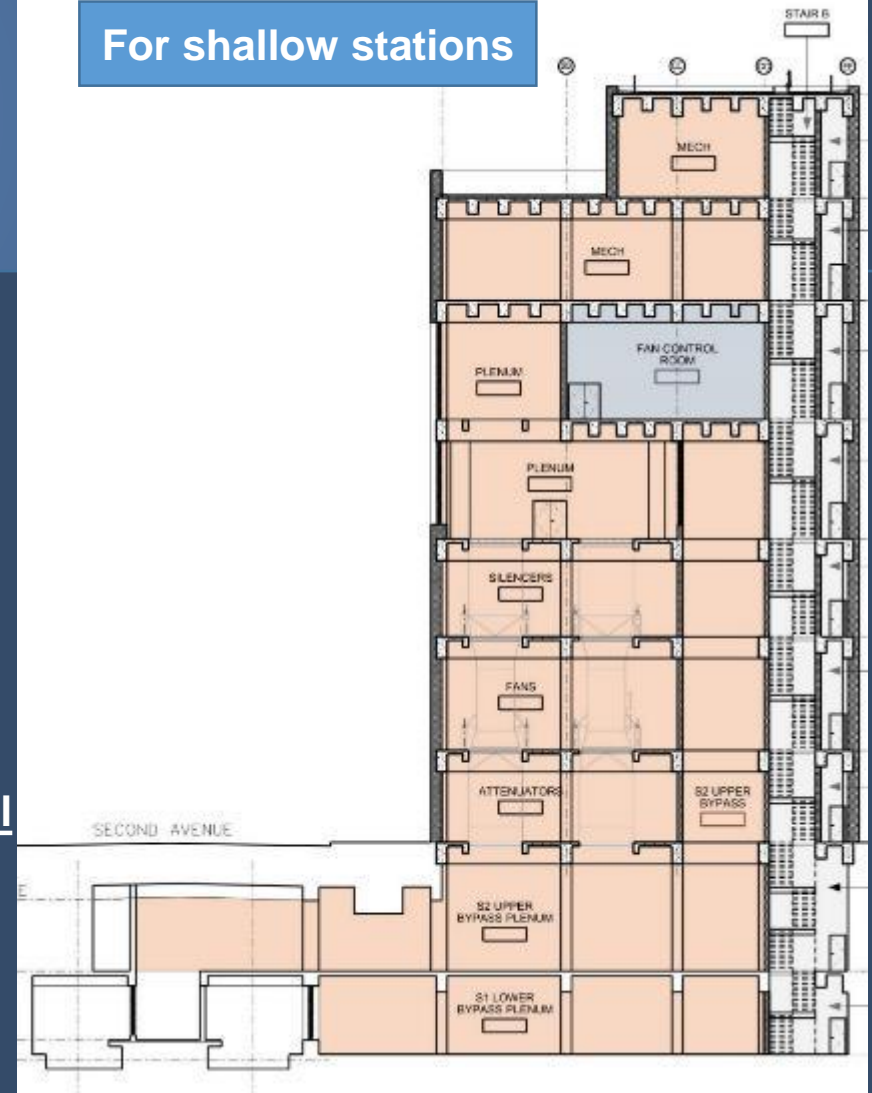
Ancillary Structures

For deep station



Ground Level

For shallow stations



LEGEND

- | | | | | | |
|---|----------------------|---|-------------------|---|---------------------------------|
|  | COMMUNICATION SPACES |  | MECHANICAL SPACES |  | PUBLIC / NON PUBLIC CIRCULATION |
|  | ELECTRICAL SPACES |  | PLUMBING |  | SIGNALS |
|  | TPSS |  | FIRE PROTECTION |  | STATION OPERATIONS |

Construction Approach

Cut-and-Cover Construction

106th Street Station

E 106"

E 108"

Existing Tunnel

Existing Tunnel

Cut-and-Cover Construction

116th Street Station

E 116"

E 120"

Rock

Mined Construction

Harlem-125th Street Station

E 125' 3"

Soil

Lexington Av

Park Av

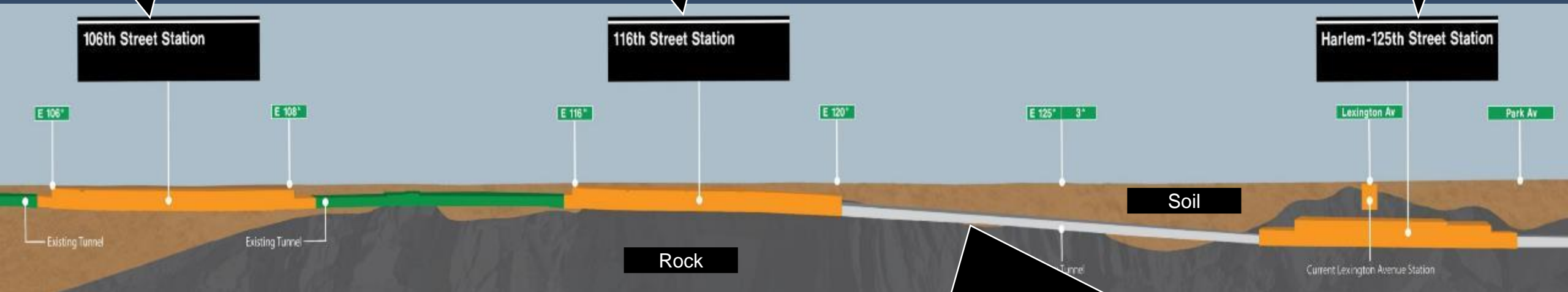
Current Lexington Avenue Station

New Tunnel Construction using Earth Pressure Boring Machine/s

Modify and use existing tunnel built in the 1970s

Cut-and-cover construction for shallow segments in soil

Tunneling using boring machine for deeper segments in rock



Harlem-125th Street Station

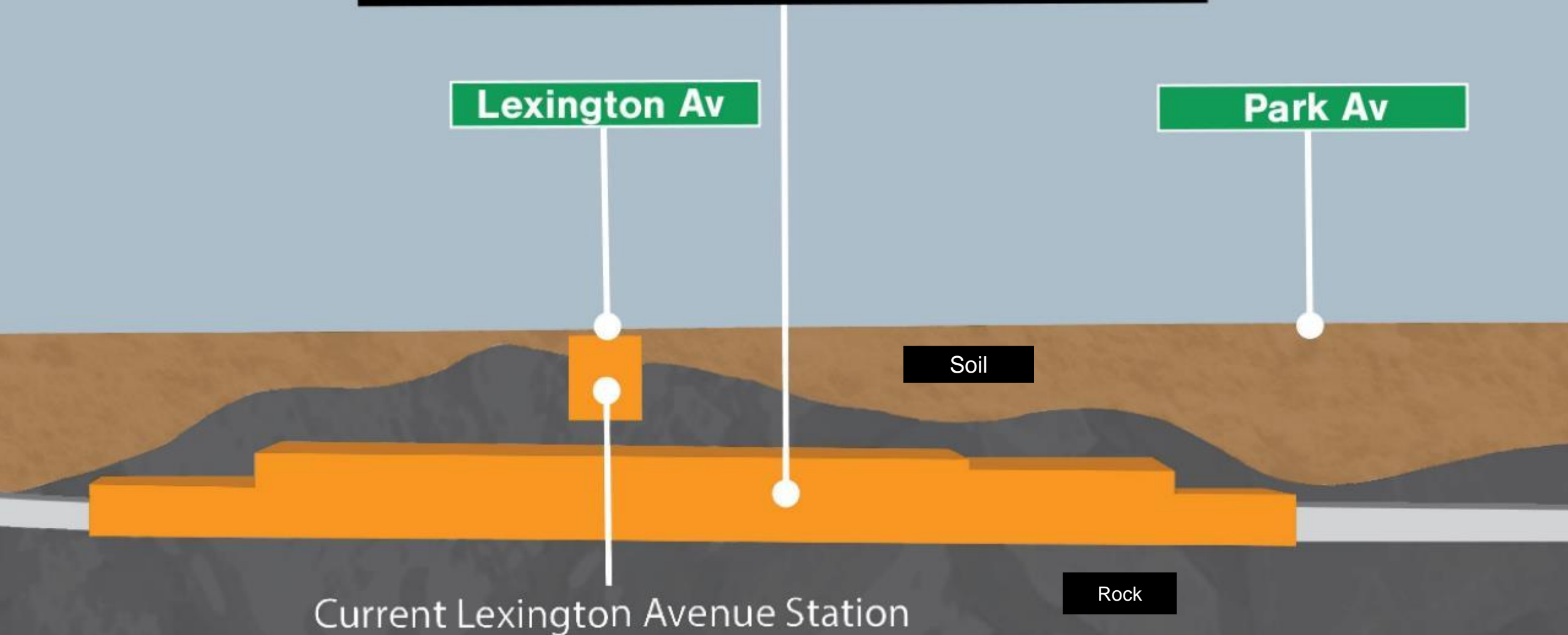
Lexington Av

Park Av

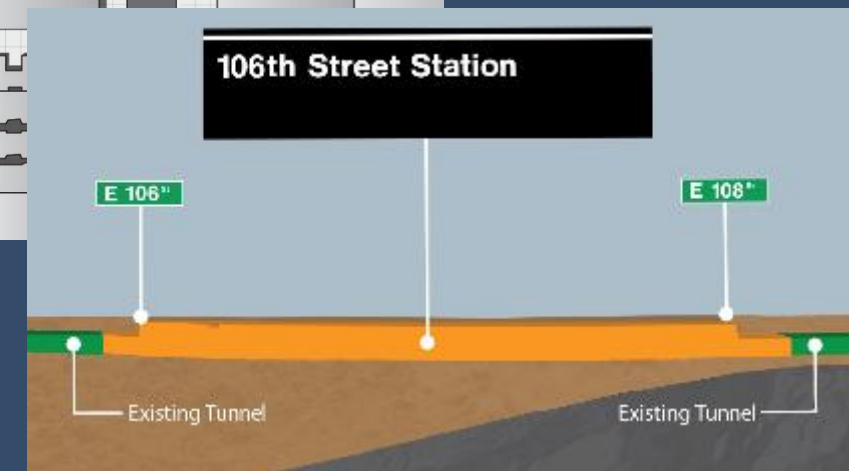
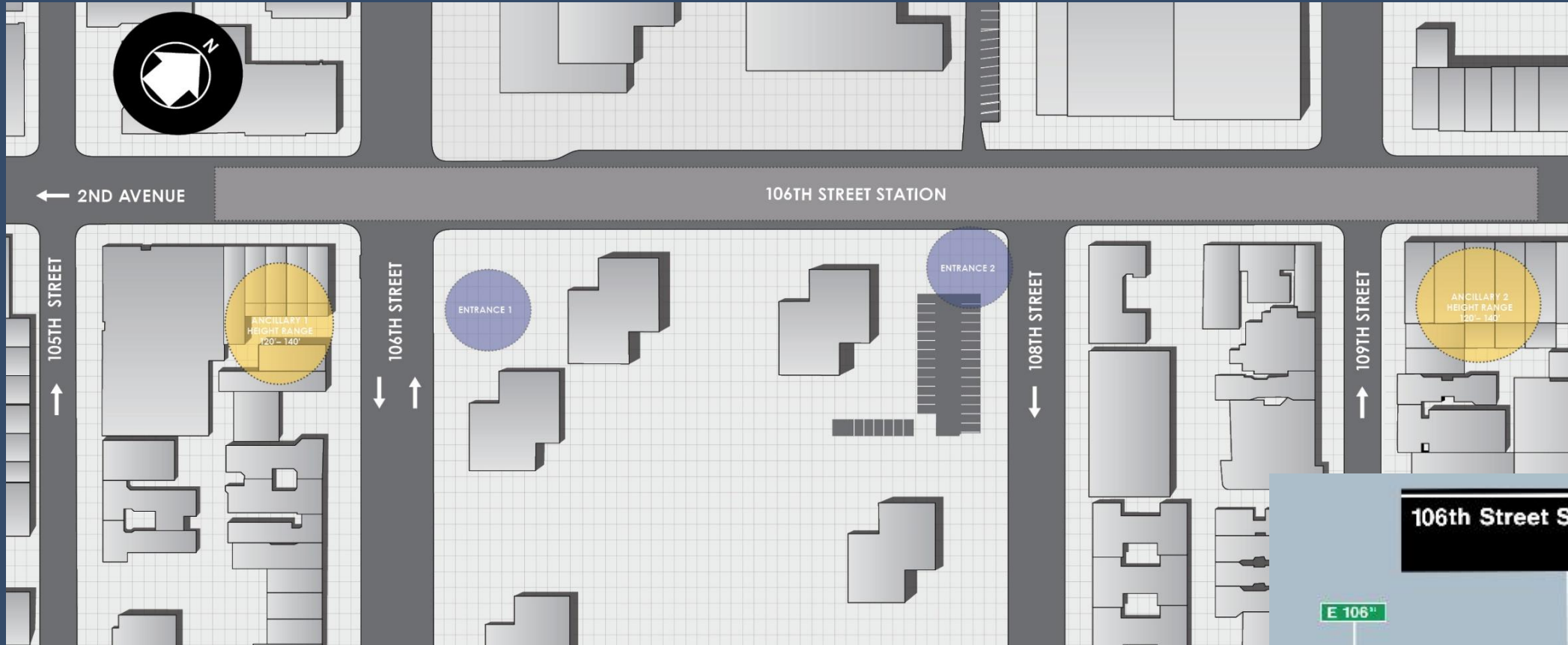
Soil

Rock

Current Lexington Avenue Station

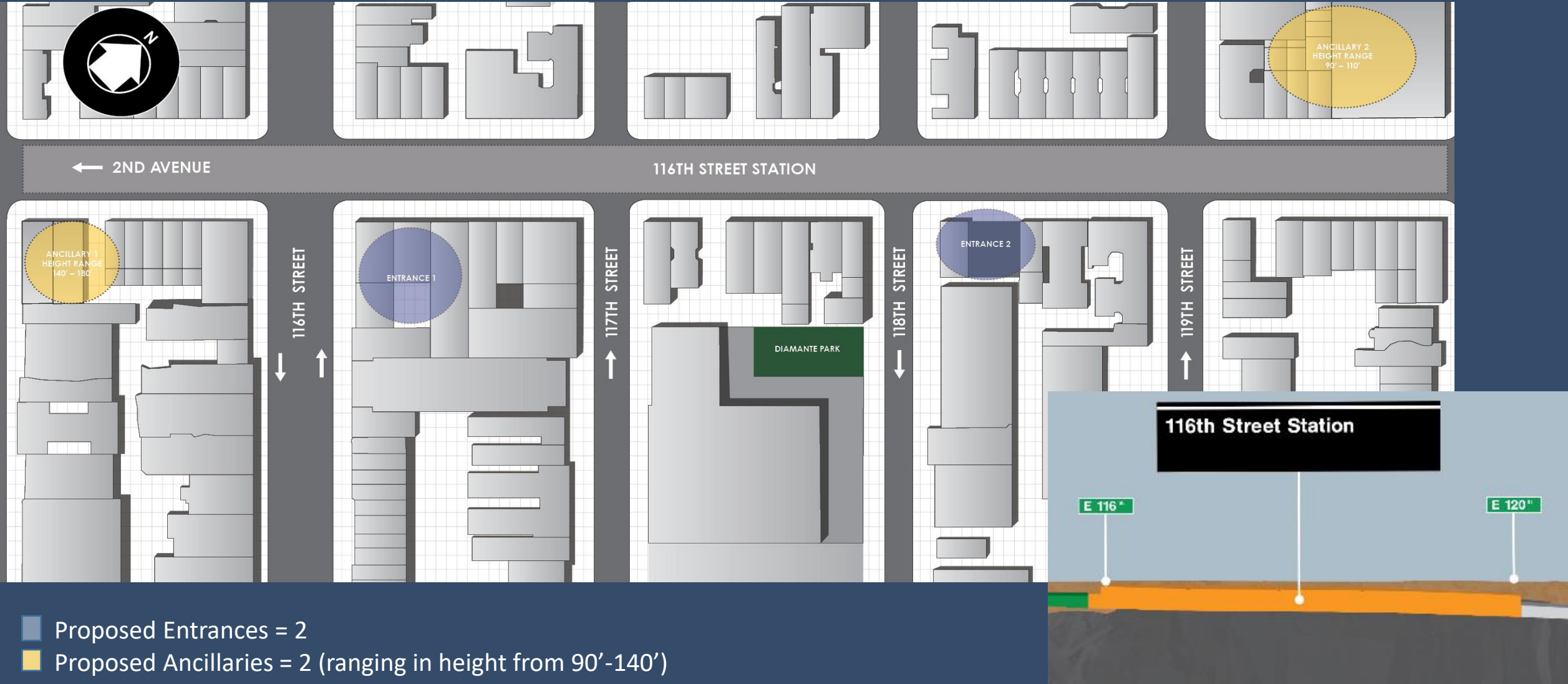


106th Street Station

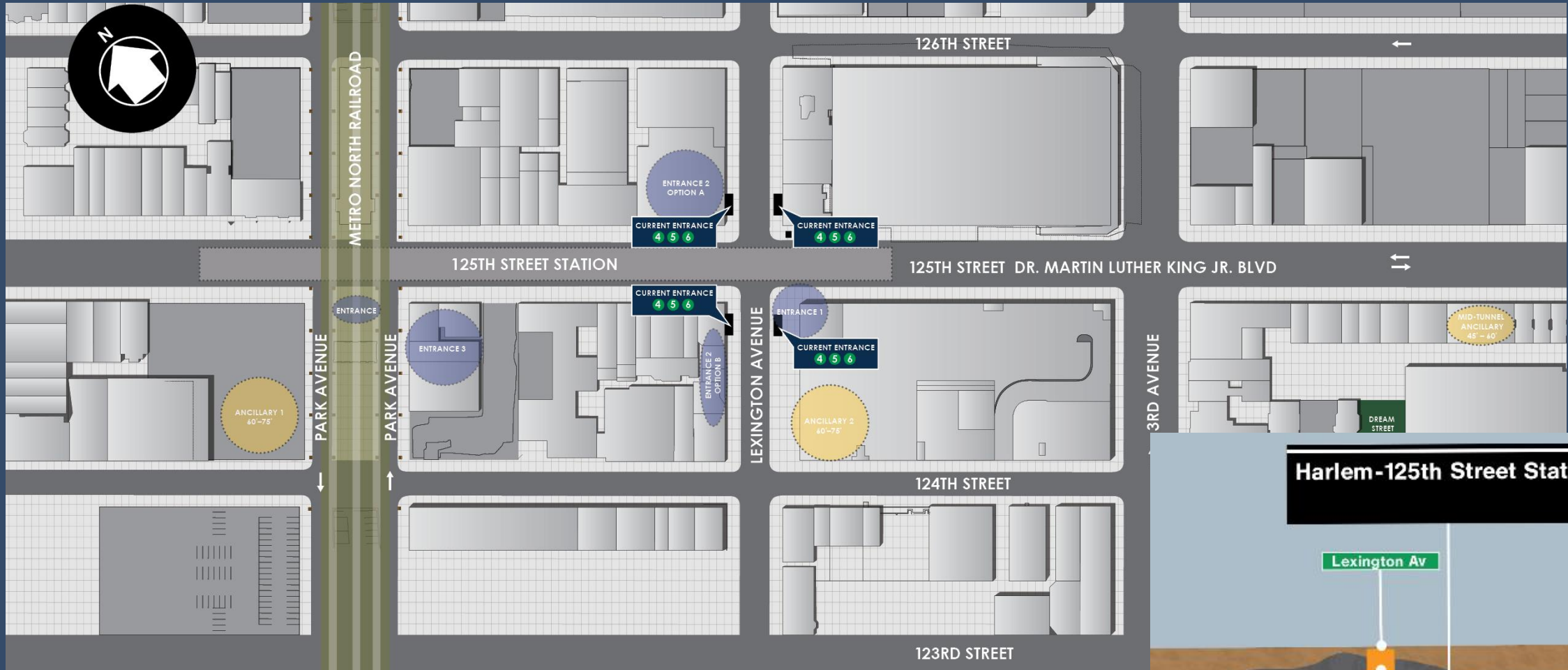


- Proposed Entrances = 2
- Proposed Ancillaries = 2 (ranging in height from 120'–140')

116th Street Station



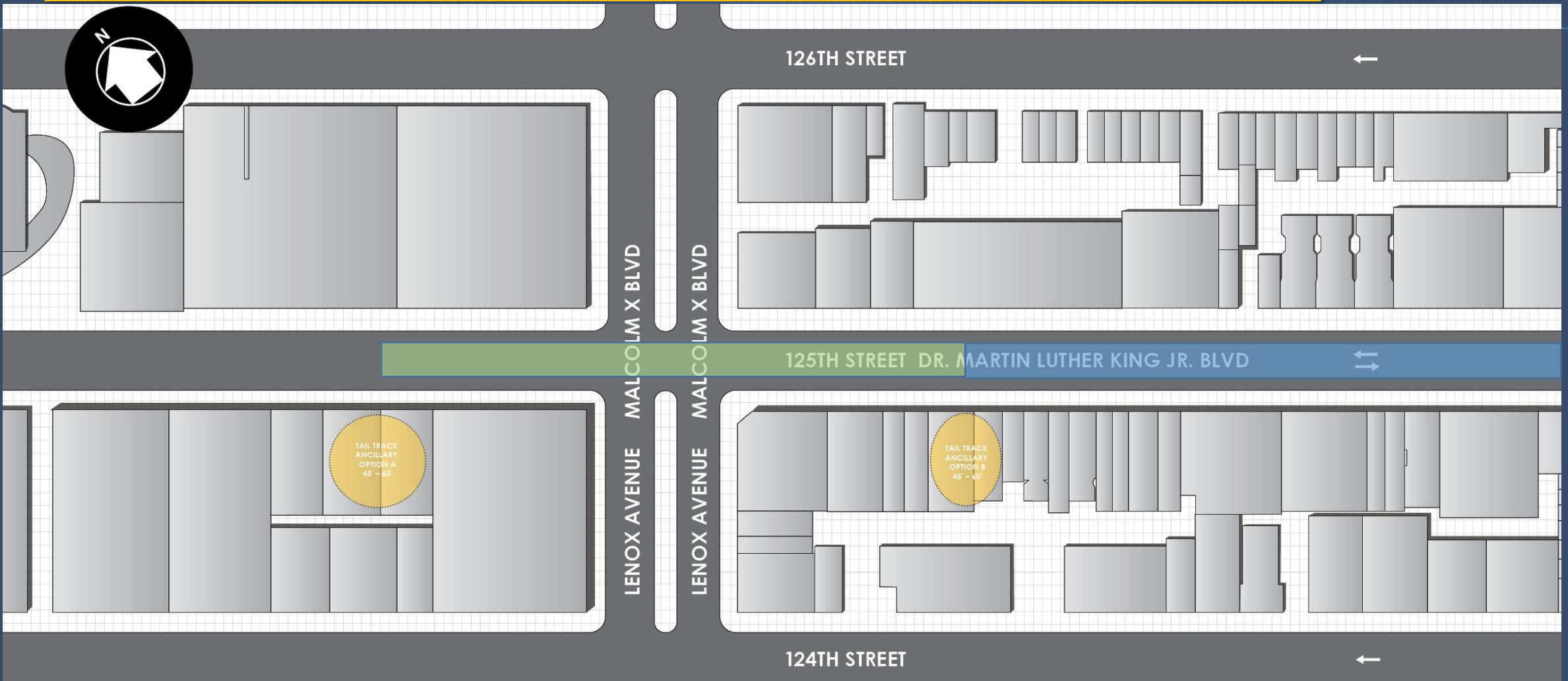
125th Street Station



Proposed Entrances = 3 (Park Ave, and west and east side of Lexington Ave)

Proposed Ancillaries = 2 (ranging in height from 45'-95')

Phase 2 Storage Tracks to Lenox Avenue



■ Proposed Ancillary = 1 (two possible locations) (ranging in height from 45'–60')

▶ Property Acquisition

- MTA must acquire property at each station
- MTA will follow federal and state regulations
 - Uniform Relocation Assistance and Real Property Acquisition Policies Act
 - New York State Eminent Domain Procedures Law
- MTA will provide relocation assistance and compensation
- MTA will work closely with property owners and tenants before any property acquisition occurs

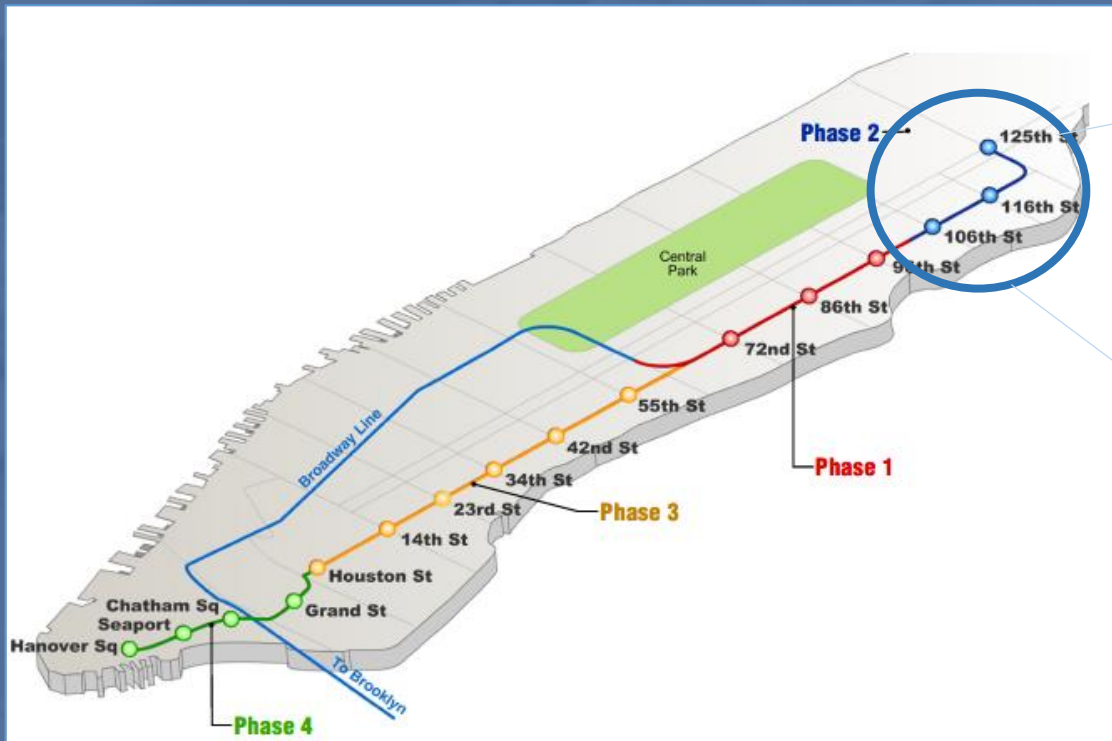
Environmental Review

NEPA

- National Environmental Policy Act -

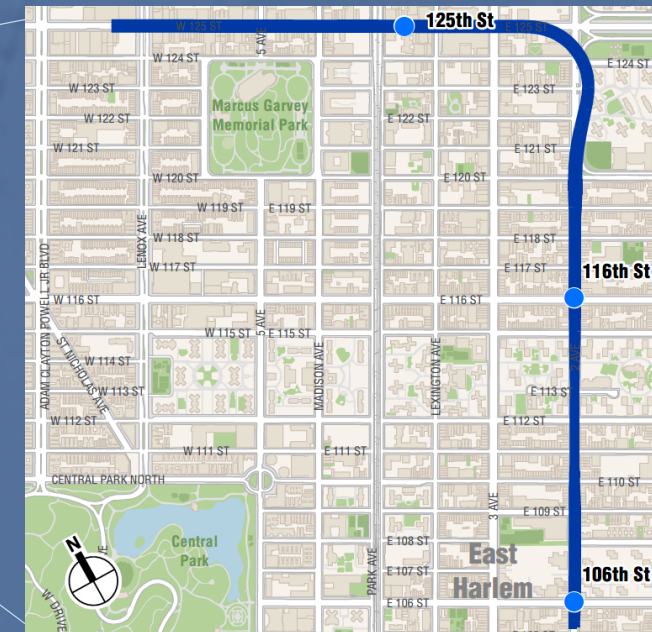
2004 Environmental Impact Statement (EIS)

Full-length Subway



2018 Supplemental Environmental Assessment (EA)

Phase 2



Environmental Review: Community Character

Construction Effects

- Traffic, noise, visibility of work sites



Addressing Impacts

- Community Information Center (CIC)
- Signage for businesses
- Screens and barriers
- Orderly work sites



Environmental Review: Community Character

Permanent Effects

- Improved transit access and connectivity
- Station buildings designed to be good neighbors
- Possible ground-floor retail space



Environmental Review: Transportation

Construction Effects

- Roadway and sidewalk impacts
- Bus stop relocations



Addressing Impacts

- Traffic and pedestrian management plan
- Deeper tunnel reduces surface impacts

Permanent Effects

- Improved transit connectivity
- Alleviates crowding on Lexington Avenue subway line and buses



Environmental Review: Historic Resources

Construction Effects

- Protection plans to avoid accidental damage

Permanent Effects

- No adverse effects



Environmental Review: Noise and Vibration

Construction Effects

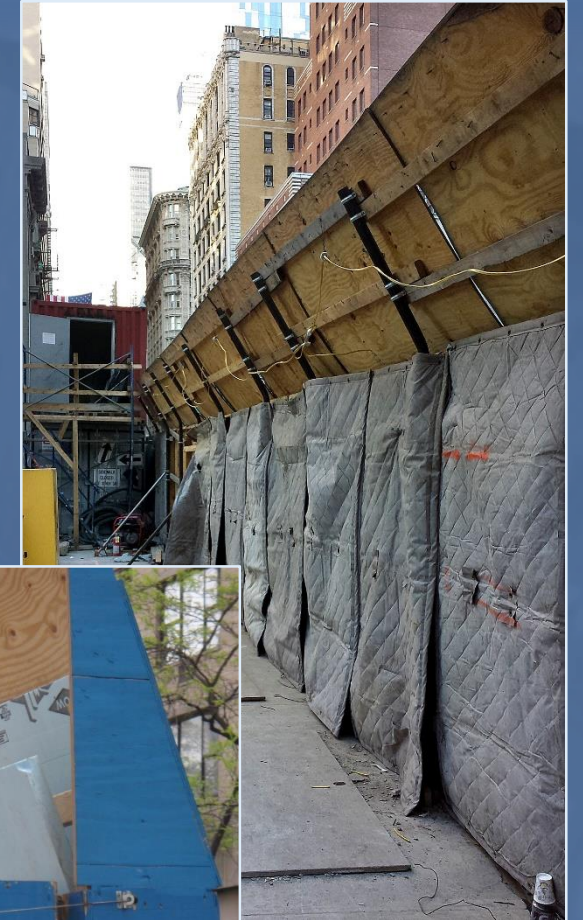
- Construction will be noisy

Addressing Impacts

- Noise barriers
- Quieter equipment, where possible
- Time-of-day restrictions

Permanent Effects

- No adverse effects
 - Noise silencers for mechanical equipment
 - Low-vibration tracks



Environmental Review: Air Quality

Construction Effects

- Dust and emissions

Addressing Impacts

- Aggressive dust control plan
- Low-pollution engines and filters
- Idling restrictions
- Air monitoring

Permanent Effects

- Benefits: Enhanced transit reduces auto usage and emissions



Public Review and Comment

Environmental Assessment available online:

http://web.mta.info/capital/phase2_docs.html

Or at these locations:

**Second Avenue Subway Community
Information Center**
69 East 125th Street
New York, NY 10035

Manhattan Community Board 11 Office
1664 Park Avenue, Ground Floor
New York, NY 10035

Manhattan Community Board 10 Office
215 West 125th Street, 4th Floor
New York, NY 10027

Federal Transit Administration, Region II
One Bowling Green, Room 429
New York, NY 10004

Public Review and Comment

Public review period open through August 13, 2018

Provide verbal comments tonight

OR

Provide written comments to:

<p>outreach@mtacc.info</p>	<p>Hector Santana Second Avenue Subway Community Information Center 69 East 125th Street New York, NY 10035</p>	<p>Donald Burns Federal Transit Administration, Region II One Bowling Green, Room 429 New York, NY 10004</p>
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Responses to comments will be provided at the conclusion of the environmental review process