



NYC Parks

QueensWay Metropolitan Hub

Located between Trotting Course Lane, Metropolitan Expeditionary Learning School Driveway, Metropolitan Ave and Union Turnpike in the Borough of Queens

PDC Concept Design Submission

Nov 17, 2023

Techno + Sasaki

Total Budget: \$35m
New York City Council - \$2.5m FY22
Mayor, Eric Adams - \$ 32.5m FY22

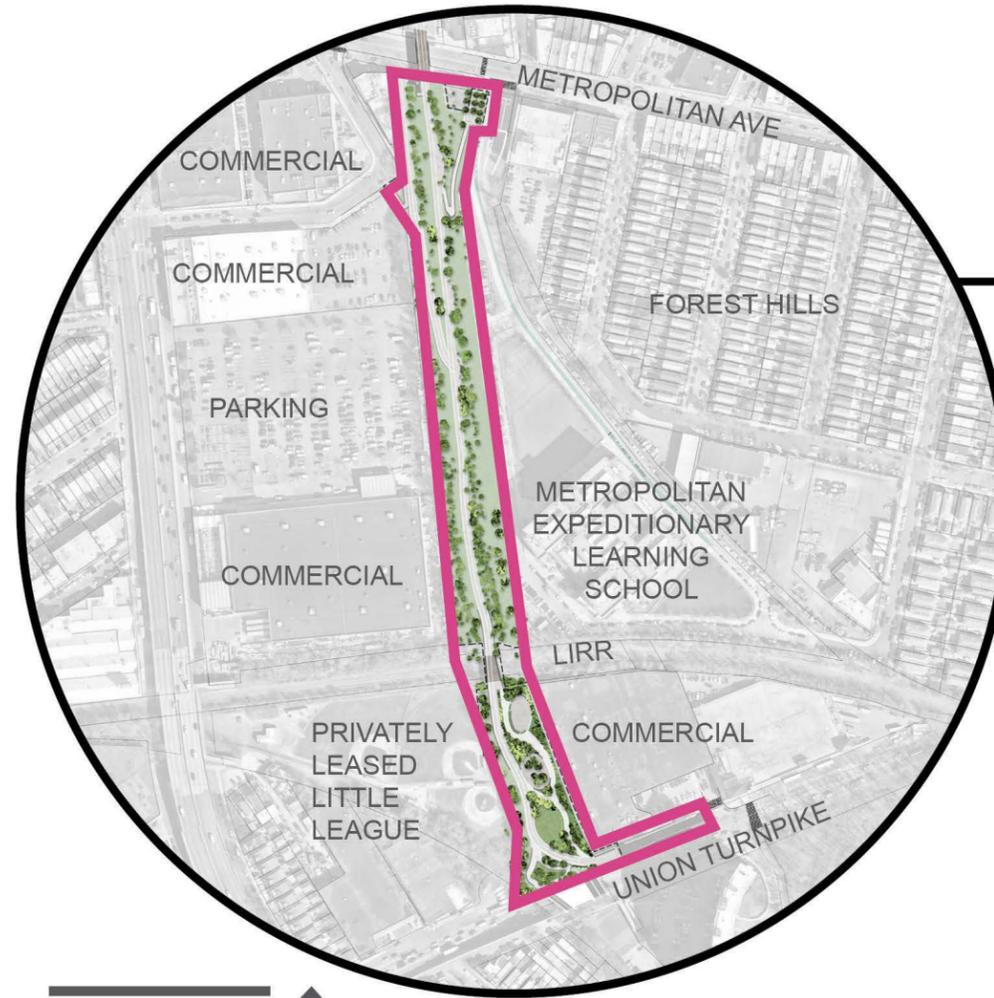
Project Area: 5.24 ac

QueensWay Goals

- New neighborhood linear park
- Active and passive recreation
- Greenway/Bikeway connections
- Pedestrian pathways
- Engagement with adjacent facilities
- Restoration and enhancement of environmental amenities
- Provide ADA accessibility into and throughout the site

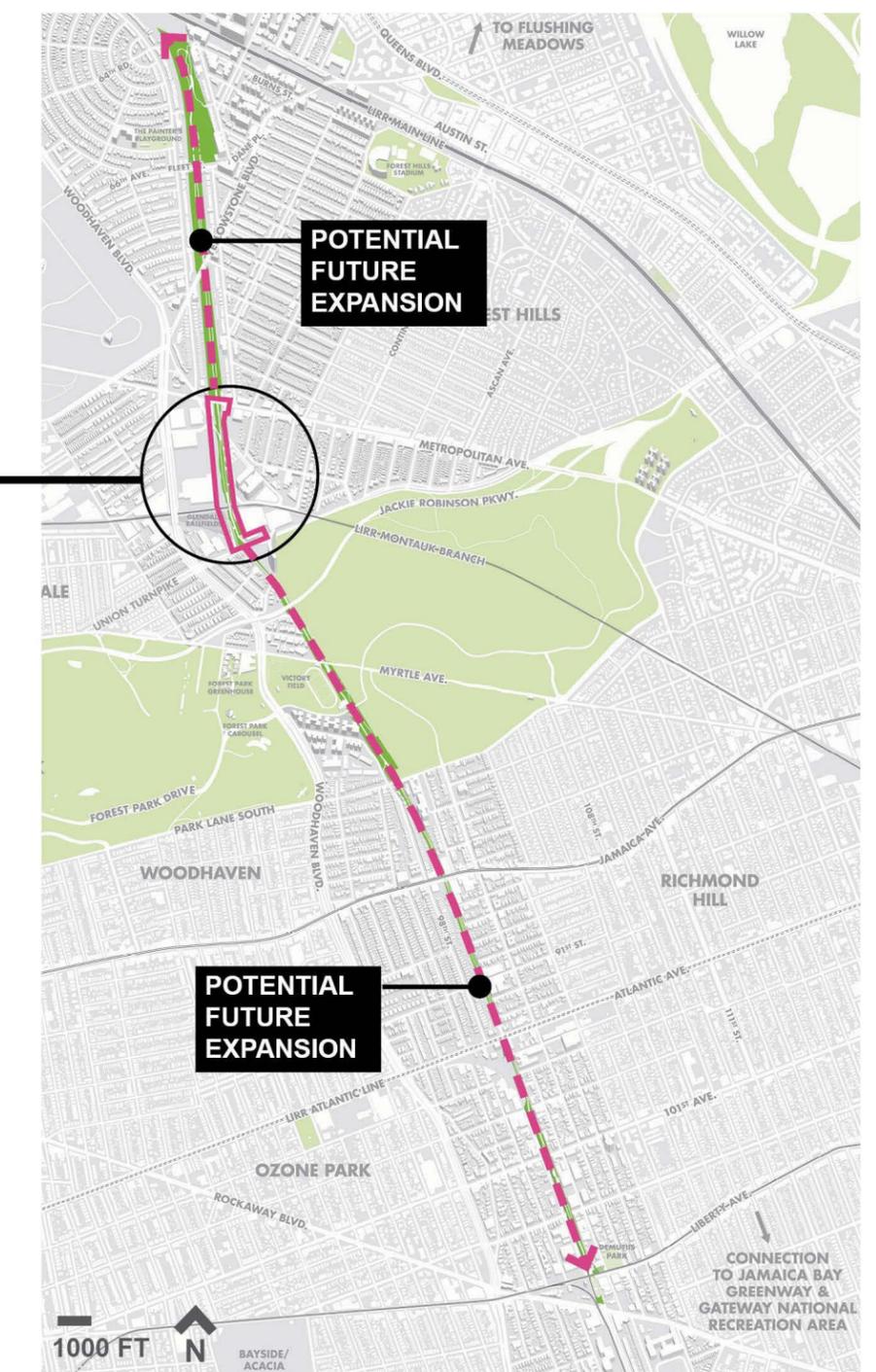
QueensWay: Metropolitan Hub (Met Hub)

The Met Hub sits along the abandoned Rockaway Beach Branch LIRR Corridor north of Forest Park and adjacent to the Metropolitan Expeditionary Learning School complex (MELS). The new linear park will include a shared use greenway, pedestrian paths, program and seating areas, and improved understory planting.



500 FT 

Metropolitan Hub Project Area



1000 FT 

-  Met Hub Project Boundary
-  Potential Future Expansion



Neighborhood

1000 FT ↑ N



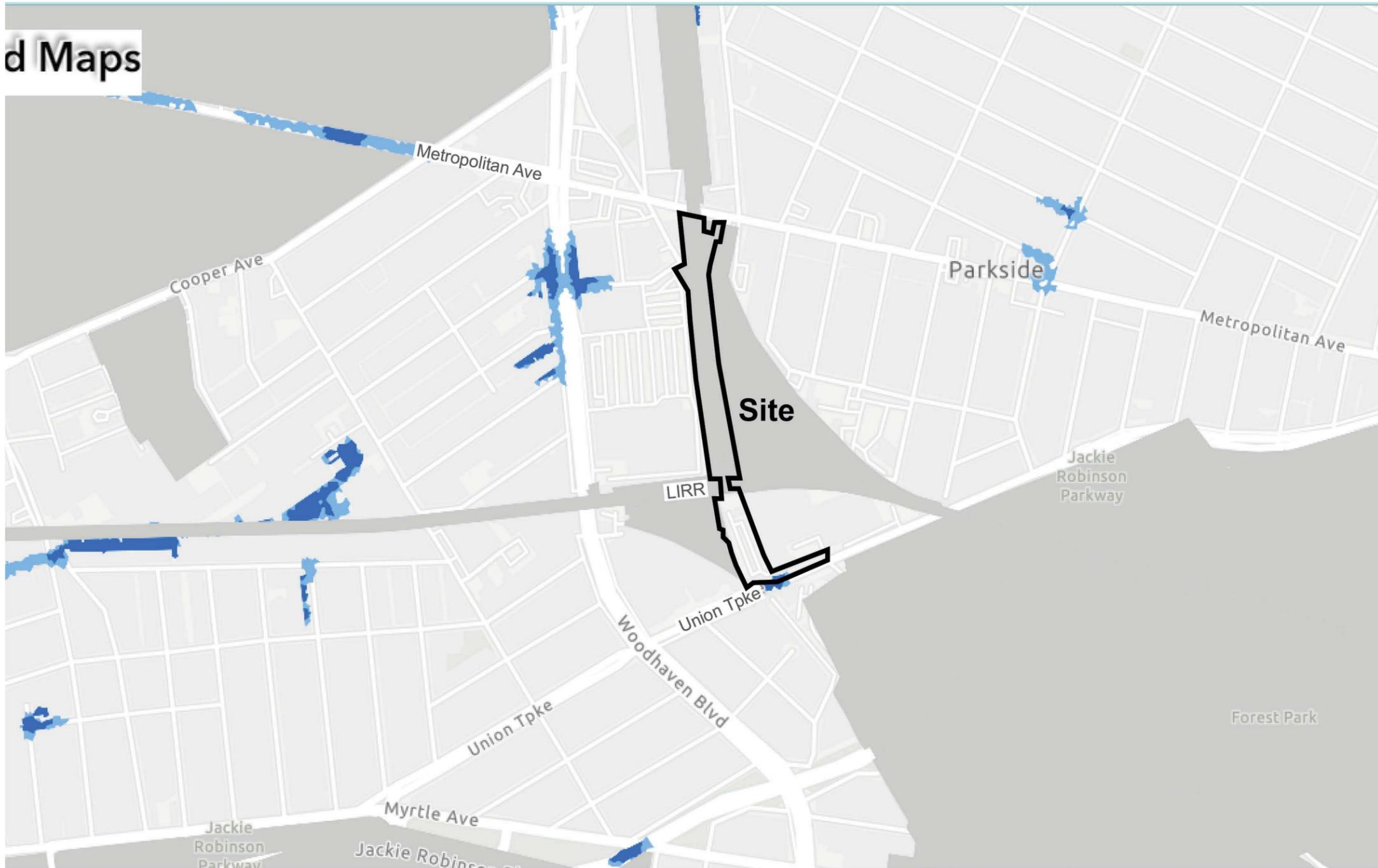
Site

500 FT ↑ N

Site Facts

- 5.24 acres
- 0.53 miles of new shared use path with connecting ramps
- 130 Feet at widest point
80 Feet at narrowest
- 1,800 Feet long corridor

Flood Maps



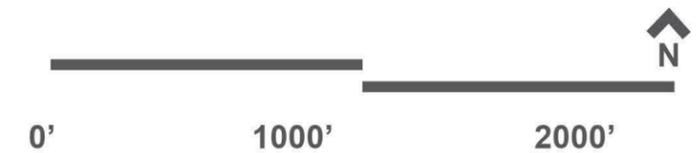
NYC Stormwater Flood Maps (Moderate Flooding)

- Area not included in analysis
- Deep and Contiguous Flooding (1ft and greater)
- Nuisance Flooding (greater or equal to 4 in and less than 1 ft)

This map:

- Reflects roughly two inches of rain falling in one hour (also referred to as the 10-year storm, with approximately 10 percent chance of occurrence in any given year)
- Shows a moderate rainstorm that City infrastructure was not designed to handle.
- Reflects 2.5 feet of sea level rise, which is a high estimate for the 2050s.
- Includes impacts of potential blocked storm drains and outfalls from sea level rise.

Flooding from a storm like this would temporarily disrupt transportation and enter buildings and basements, causing minor damages to contents and surfaces.



Flood Maps



NYC Stormwater Flood Maps (Extreme Flooding)

- Area not included in analysis
- Future High Tides 2080
- National Wetlands Inventory
- Deep and Contiguous Flooding (1ft and greater)
- Nuisance Flooding (greater or equal to 4 in and less than 1 ft)

This map:

- Reflects roughly 3.5 inches of rain falling in one hour (also referred to as the 100 year storm, with approximately 1 percent chance of occurrence in any given year).
- Shows an extreme rainstorm that City infrastructure was not designed to handle.
- Reflects 4.8 feet of sea level rise, which is a high estimate for the 2080s.
- Includes impacts of potential blocked storm drains and outfalls from sea level rise.

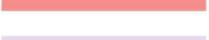
Flooding from a storm like this would:

- Cause widespread damage and disruption to both private and public property.
- Disrupt roads, subways, regional rail, and potentially power/communication networks.
- Cause flooding across coastal neighborhoods due to sea level rise impacts.





LEGEND

-  TAX LOT BOUNDARY
-  LIMIT OF WORK
-  One & Two Family Buildings
-  Multi-Family Walk-Up Buildings
-  Multi-Family Elevator Buildings
-  Mixed Residential and Commerical Buildings
-  Commercial & Office Buildings
-  Transportation & Utility
-  Industrial & Manufacturing
-  Open Space & Outdoor Recreation
-  Public Facilities & Institutions
-  Parking Facilities
-  Vacant Land

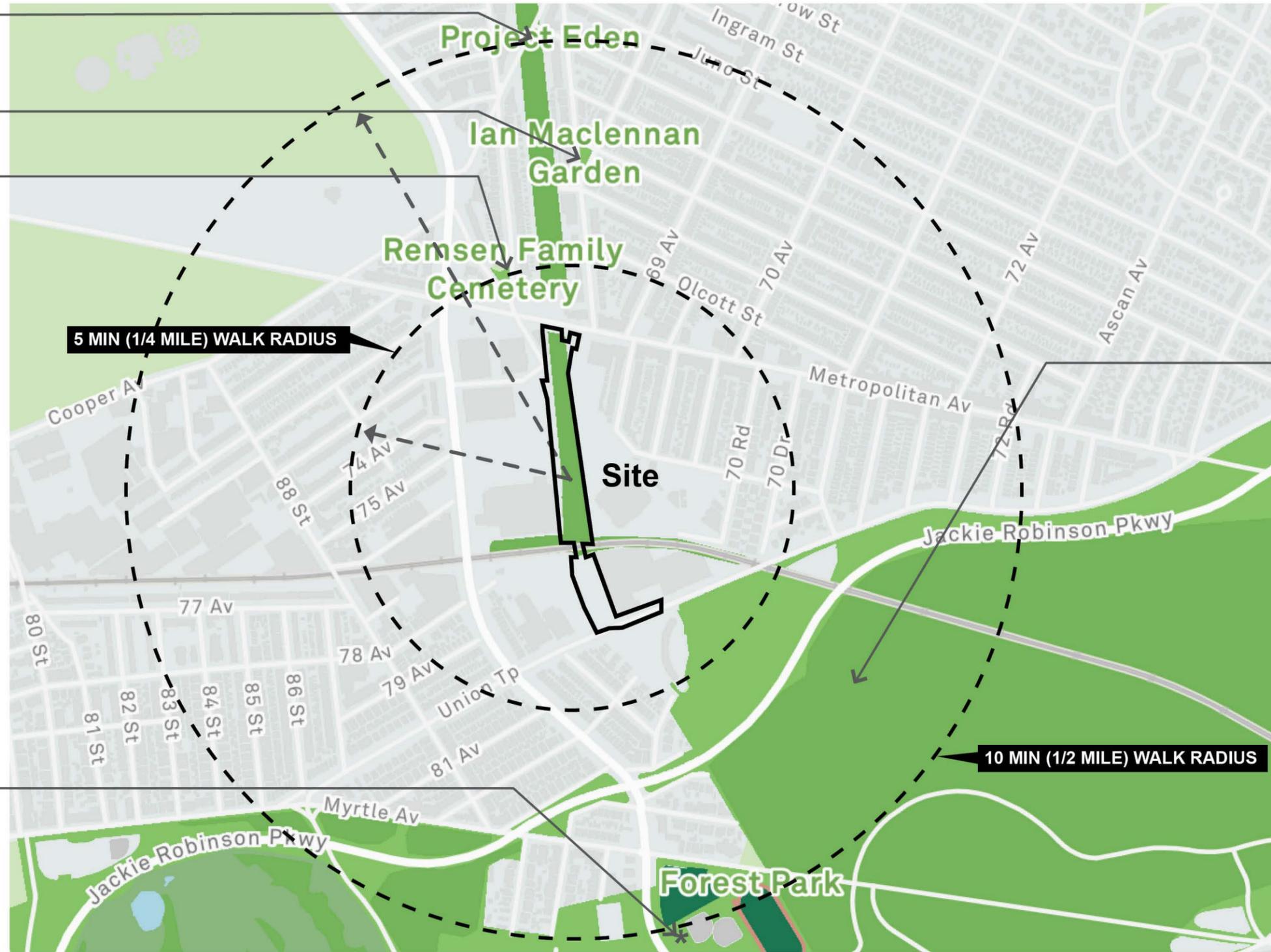


Project Eden
Community Garden (1)

Ian MacLennan Garden
Plaza + Garden (1)

Remsen Family Cemetery
Small Garden (1)
Memorial (1)

Public Restroom



Forest Park
Basketball (4)
Handball (3)
Playgrounds (7)
Fitness Equipment ()
Hiking Trails
Golf Courses (1)
Dog-Friendly Areas (3)
Bocce Courts (1)
Bicycling and Greenways (2 mi)
Spray Showers (6)
Volleyball Courts (2)
Skate Parks (1)
Horseback Riding Trails (4 mi)
Football Fields (1)
Barbecuing Areas (1)
Tennis Courts (14)
Running Tracks (1)



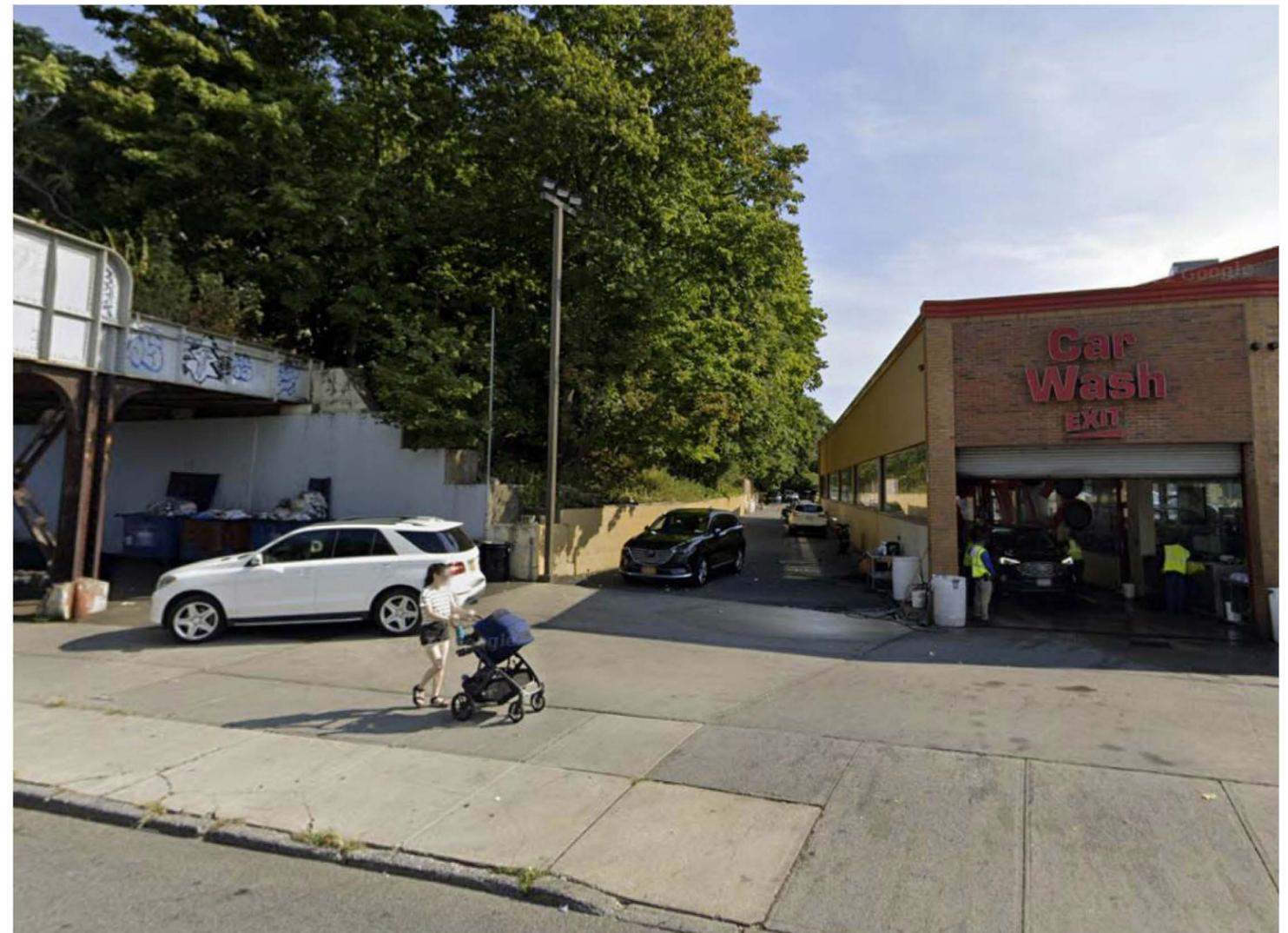
- LEGEND**
-  SITE BOUNDARY
 -  PROTECTED BICYCLE LANE
 -  CONVENTIONAL BICYCLE LANE
 -  SHARED BICYCLE LANE
 -  SIGNED BICYCLE ROUTE
 -  BROOKLYN QUEENS GREENWAY



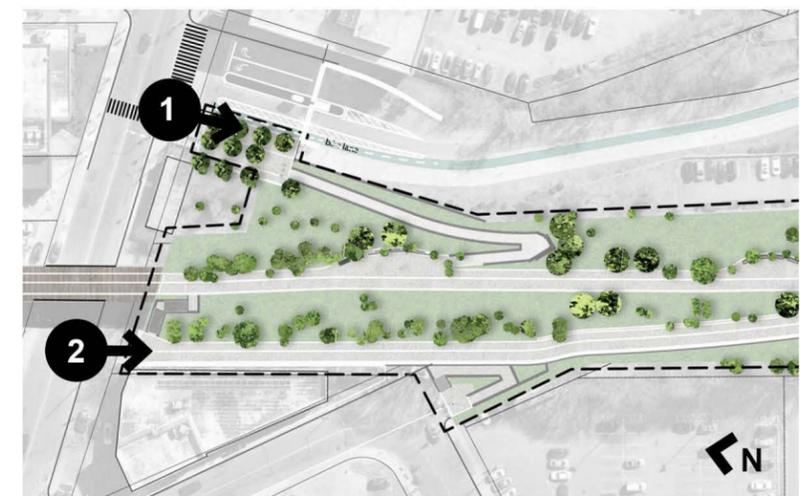




1 - MELS Driveway, looking south



2 - Metropolitan Ave Access Point behind the Car Wash, looking south

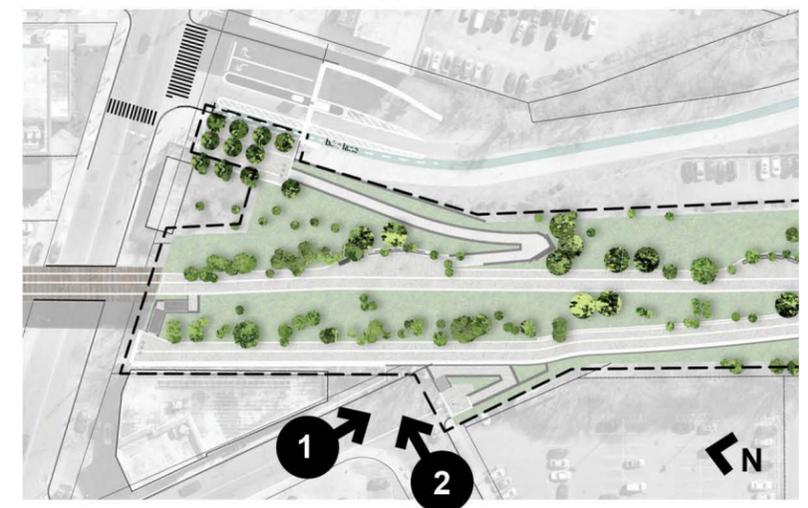




1 - View South of Car Wash at Trotting Course Lane



2 - View West of Car Wash at 73rd Ave





1 - Looking North from top of the embankment



2 - Looking South East at side slope of the embankment





1 - Entrance to Shopping Center Parking Lot at the Proposed Access Point



2 - Loading dock and ramped drive, looking west





1 - Loading dock and steep ramp, looking west



2 - Loading Dock





1 - Existing Parking Lot

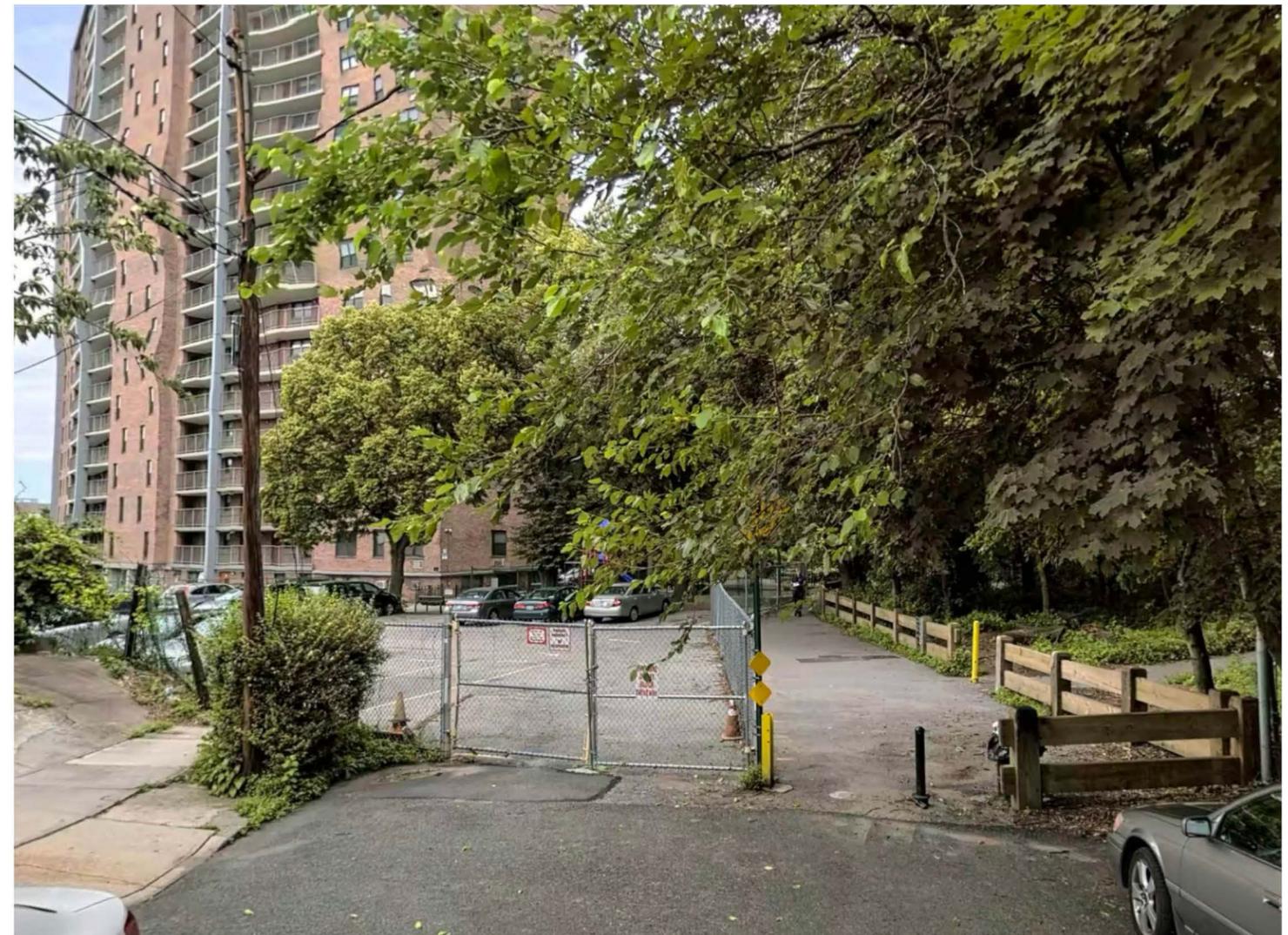


2 - Existing Gate and Steps to Privately Leased Little League Fields





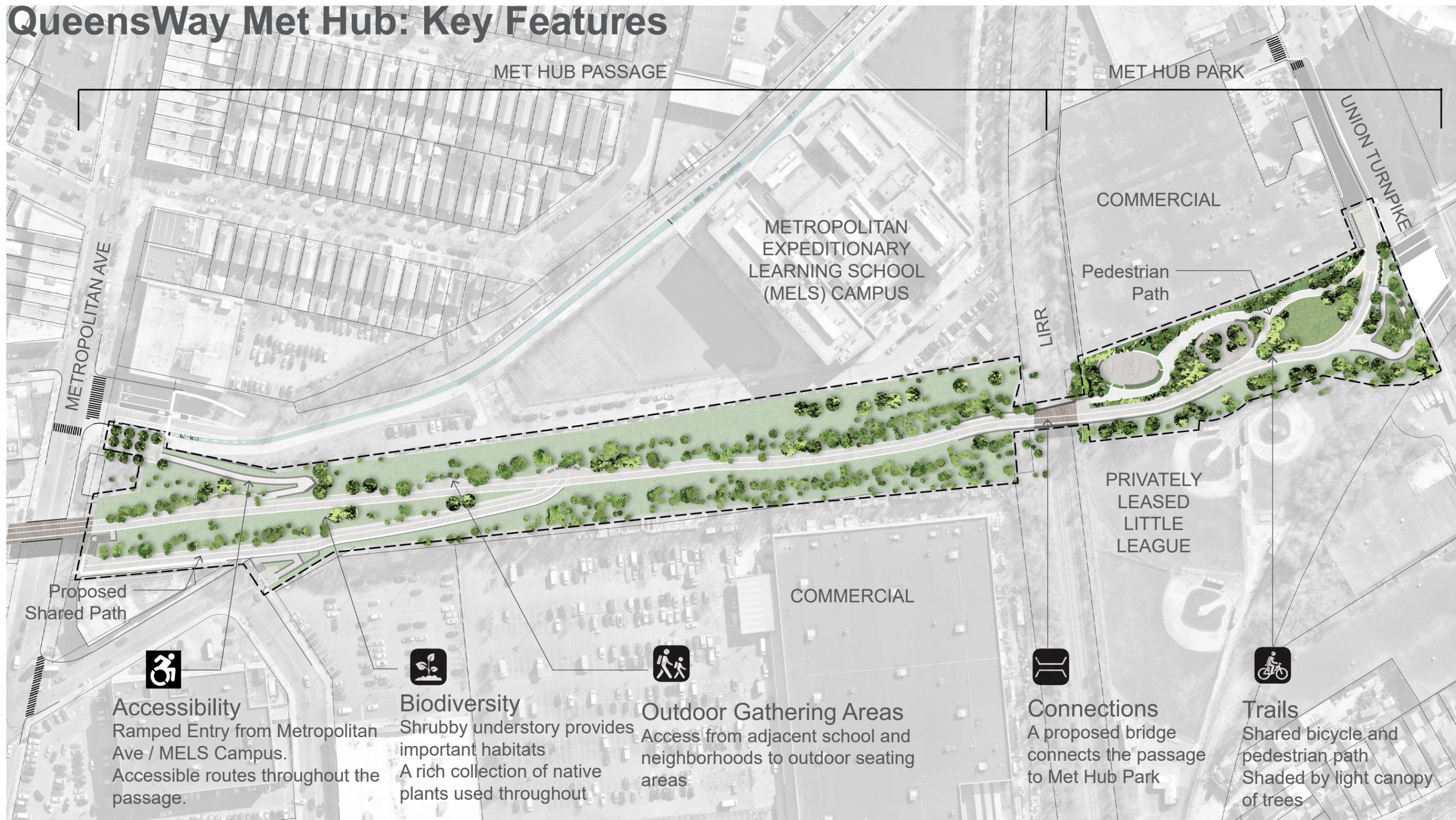
1 - Pathway to Forest Park at Forest Crescent Apartments driveway entrance from Union Tpke



2 - Entrance to Forest Park



QueensWay Met Hub: Key Features



Accessibility
Ramped Entry from Metropolitan Ave / MELS Campus. Accessible routes throughout the passage.



Biodiversity
Shrubby understory provides important habitats. A rich collection of native plants used throughout.



Outdoor Gathering Areas
Access from adjacent school and neighborhoods to outdoor seating areas.



Connections
A proposed bridge connects the passage to Met Hub Park.

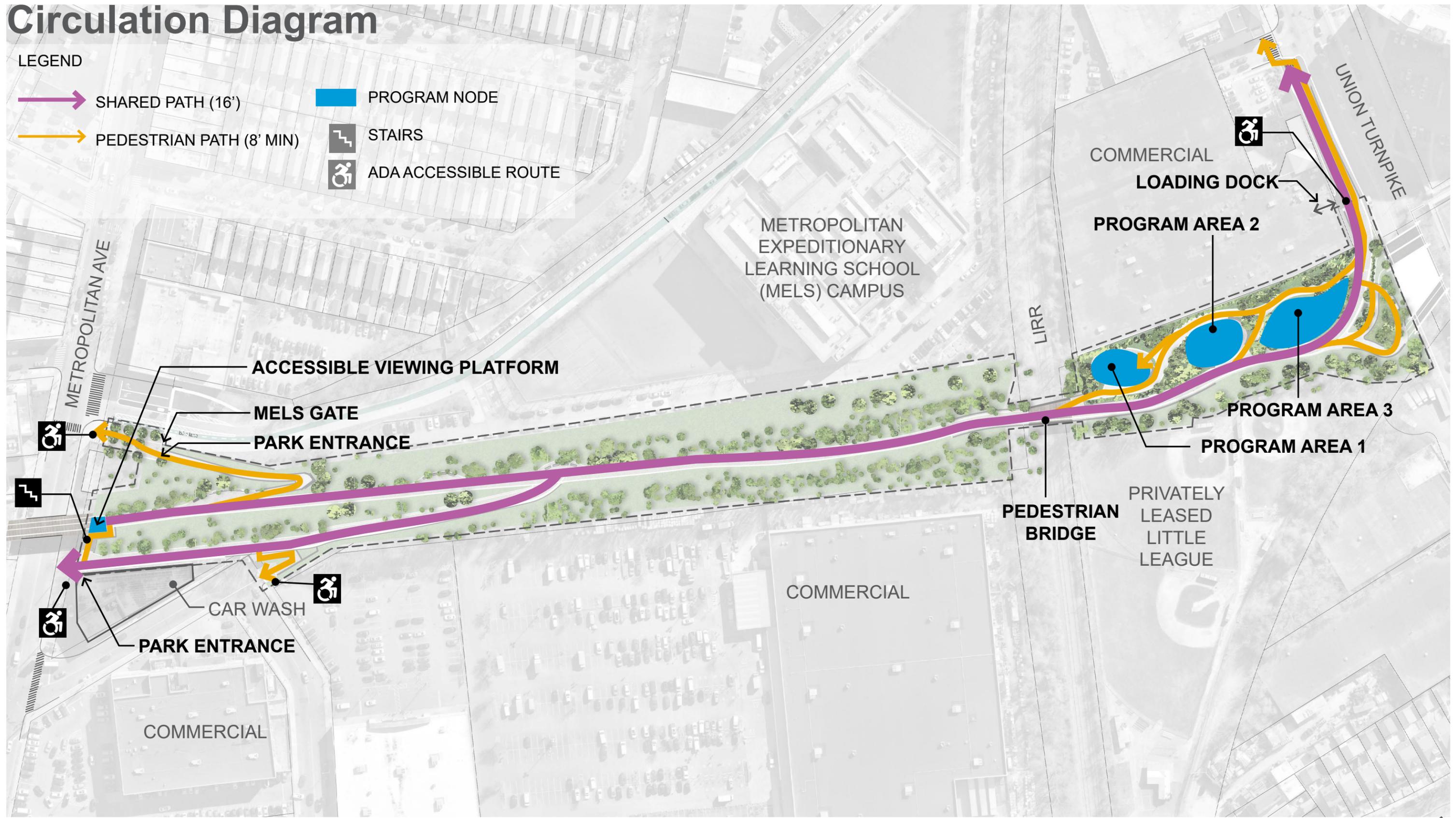


Trails
Shared bicycle and pedestrian path. Shaded by light canopy of trees.

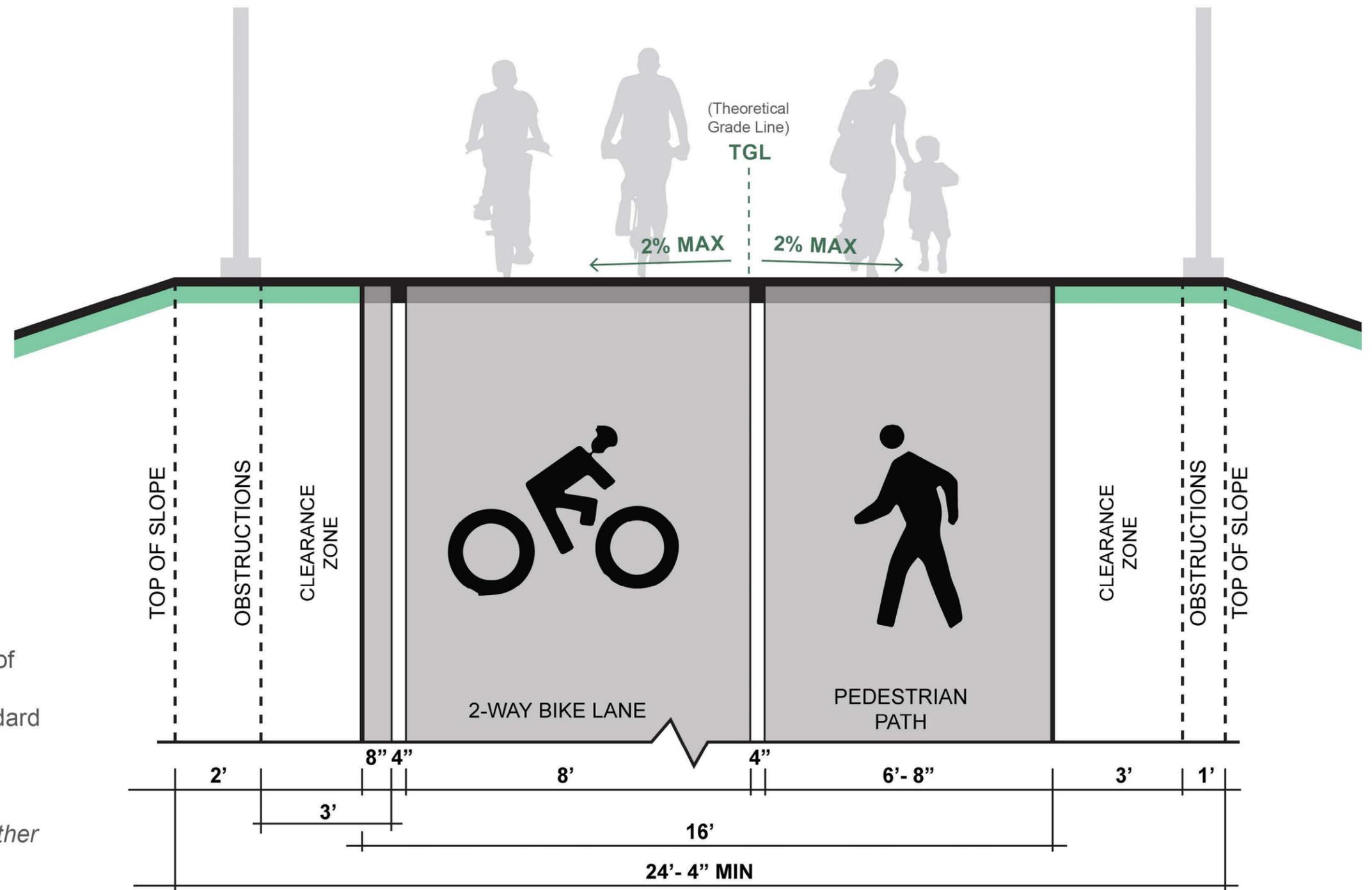
Circulation Diagram

LEGEND

-  SHARED PATH (16')
-  PEDESTRIAN PATH (8' MIN)
-  PROGRAM NODE
-  STAIRS
-  ADA ACCESSIBLE ROUTE



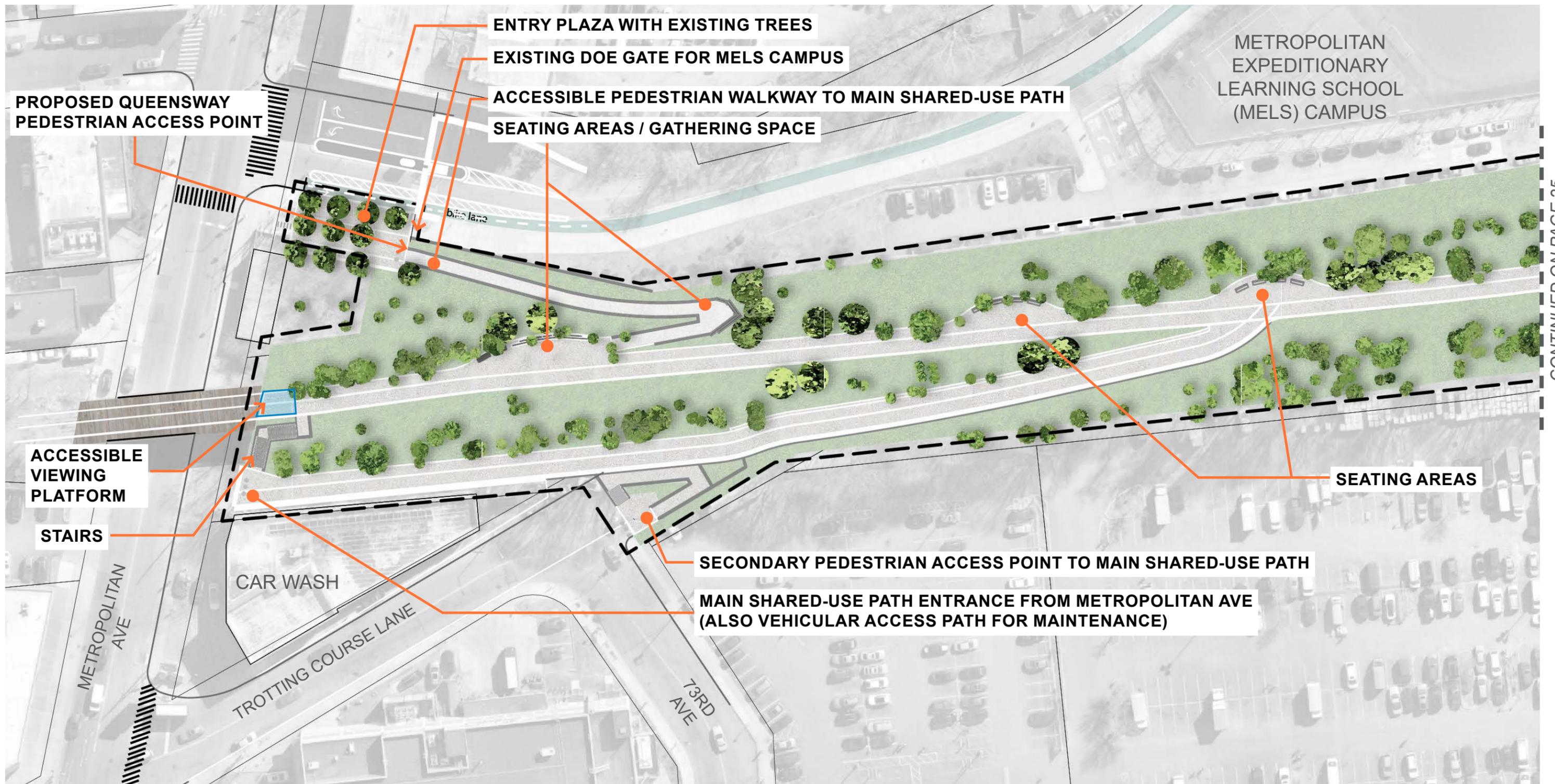
Shared Use Path



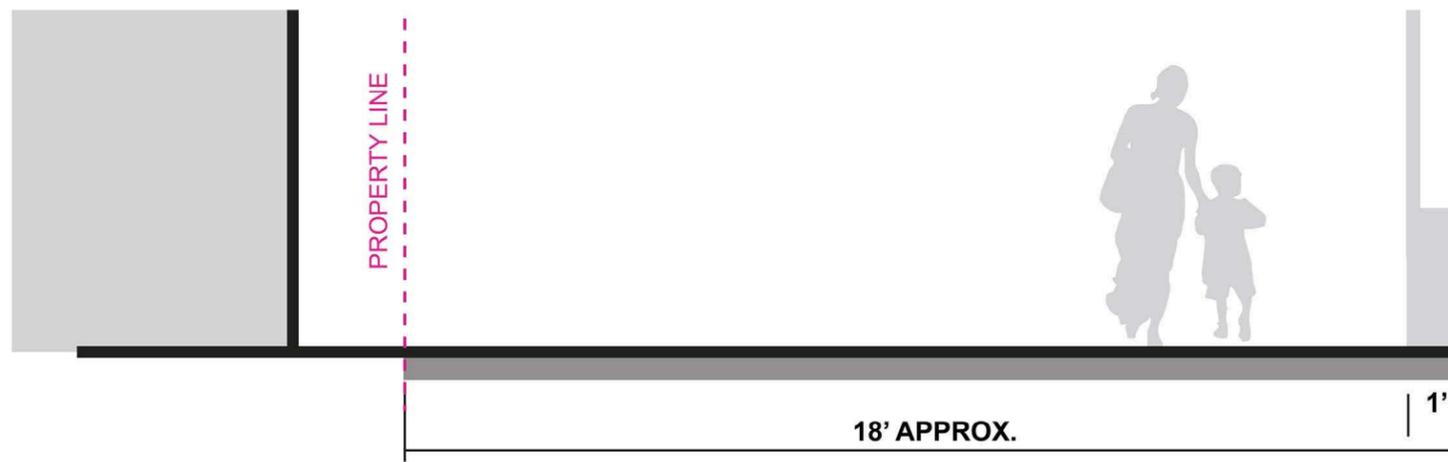
Shared Use Path Width

Conforms to AASHTO Guide for the Development of Bike Facilities Clearance Requirements, 2012
 Meets minimum requirements for NYC Parks Standard Detail, 2020: Greenway Pavement Markings*

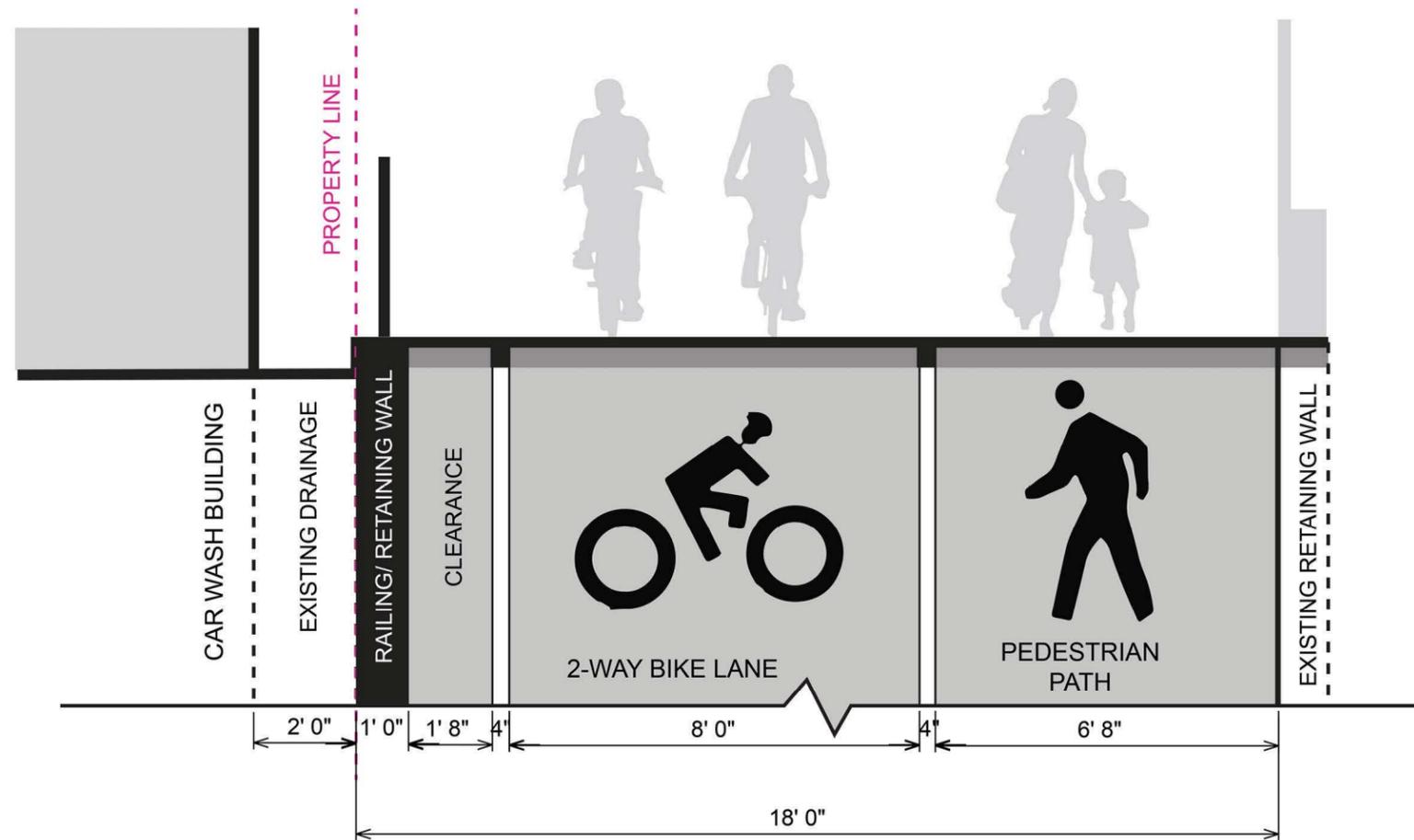
*pedestrian path was increased from 4' to 6'-8" to allow people to more comfortably pass one another



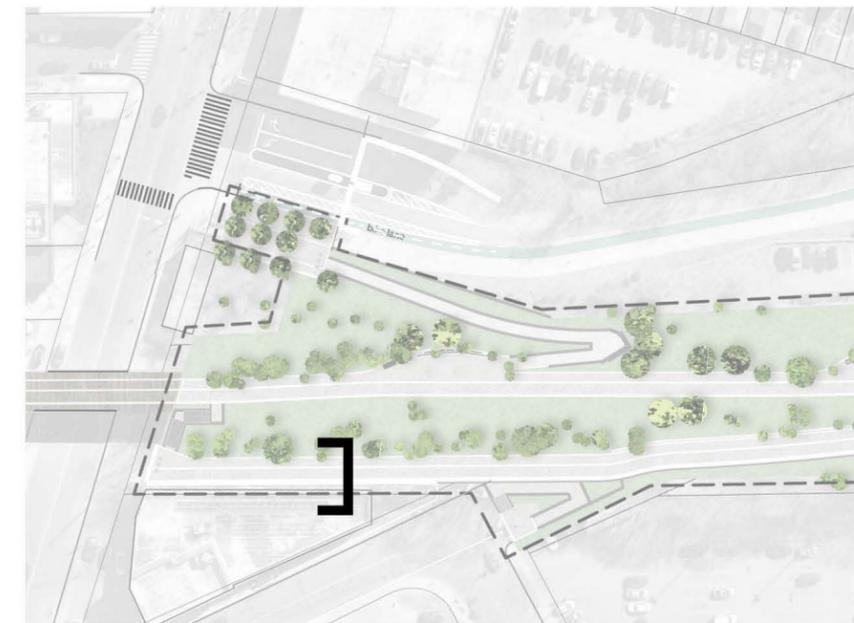
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EXISTING



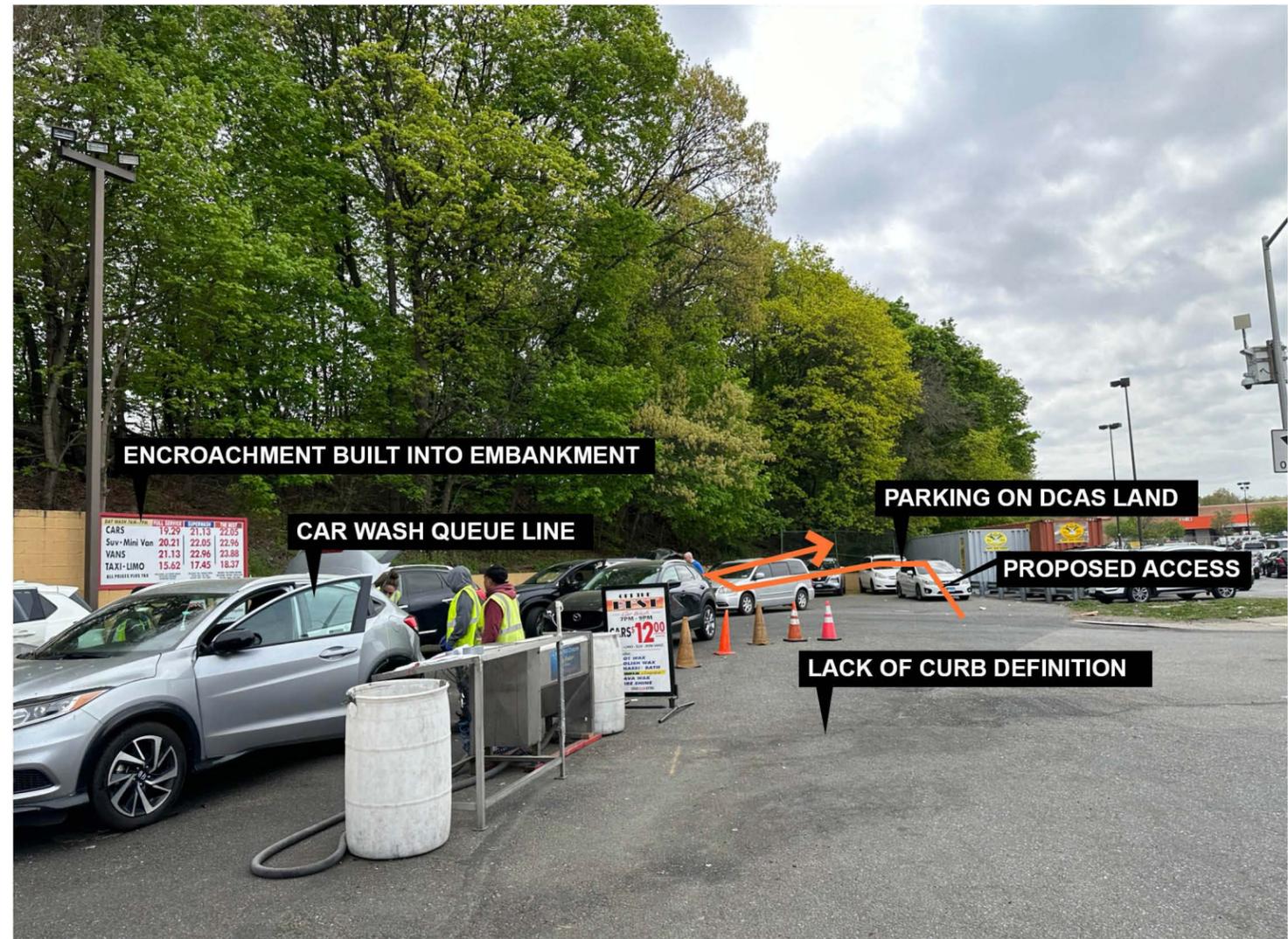
PROPOSED



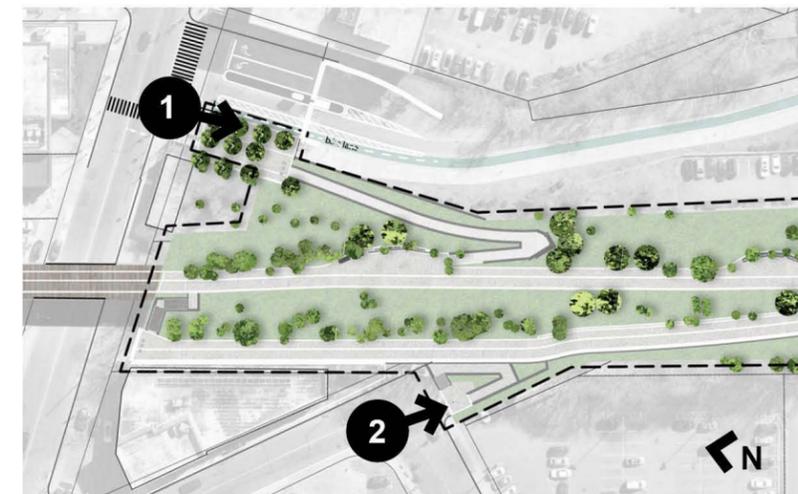


1 - MELS Driveway, looking south

→ Ped Access



2 - Trotting Course Lane, looking south



METROPOLITAN EXPEDITIONARY
LEARNING SCHOOL (MELS) CAMPUS

SHARED-USE PATH ON RIDGE LINE OF EMBANKMENT

LIRR

SHARED-USE PATH

PROPOSED PEDESTRIAN BRIDGE OVER LIRR

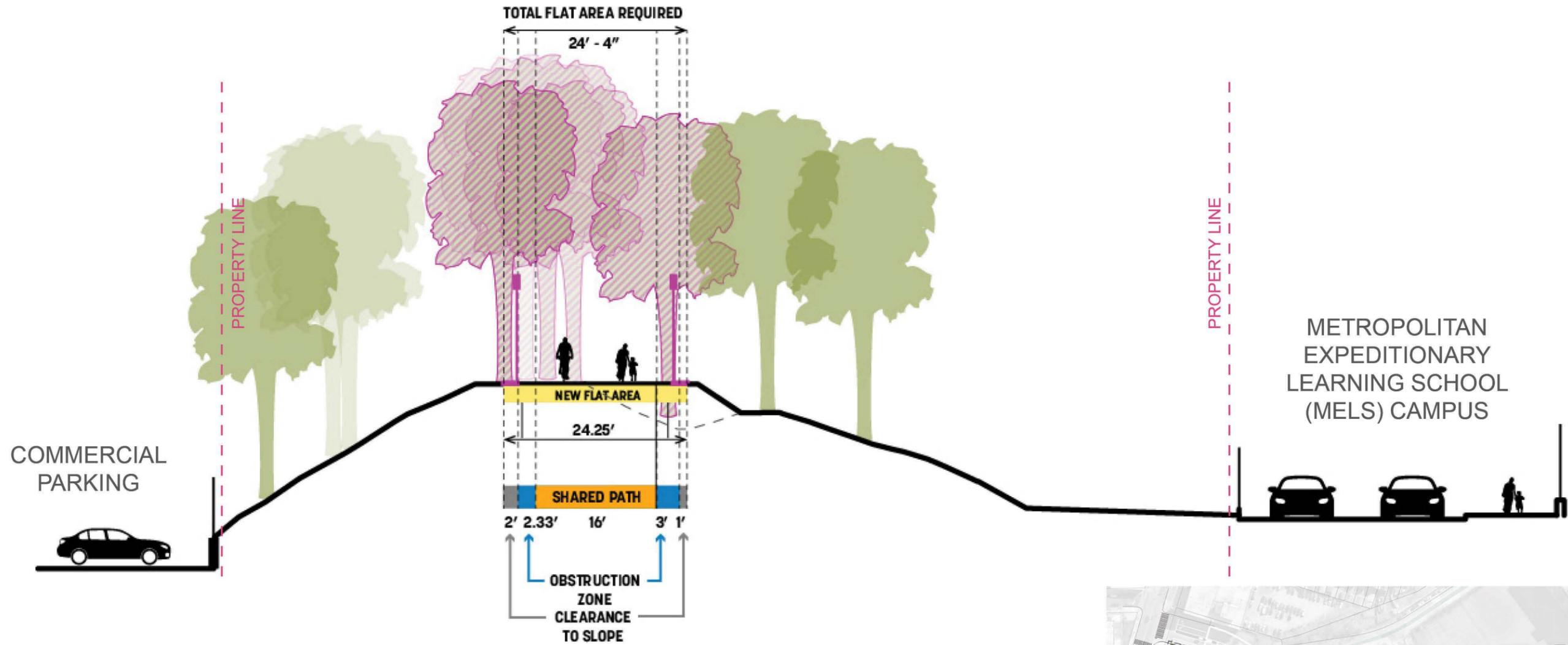
COMMERCIAL

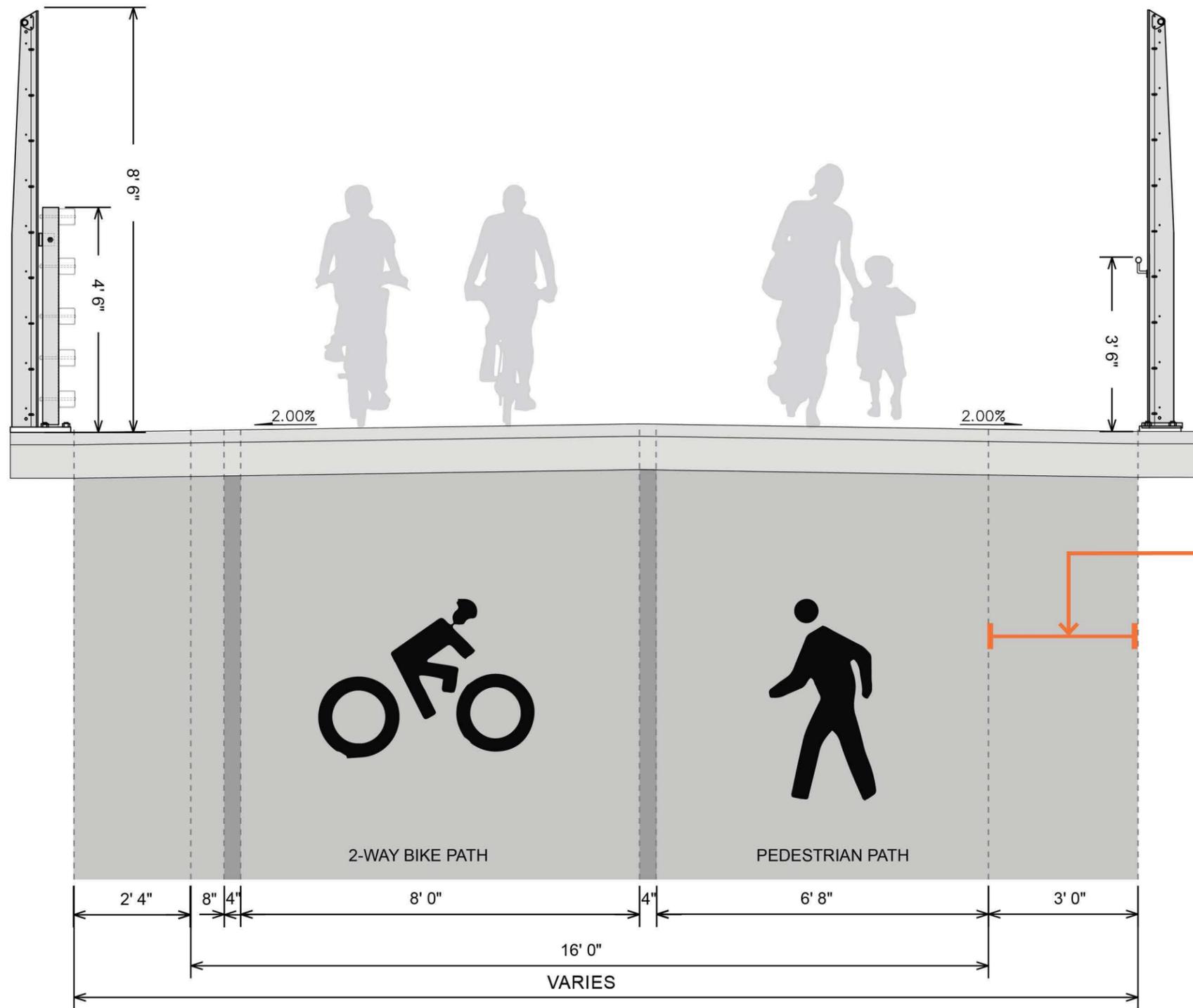
PRIVATELY
LEASED
LITTLE
LEAGUE

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Embankment Section: 16' Shared Path

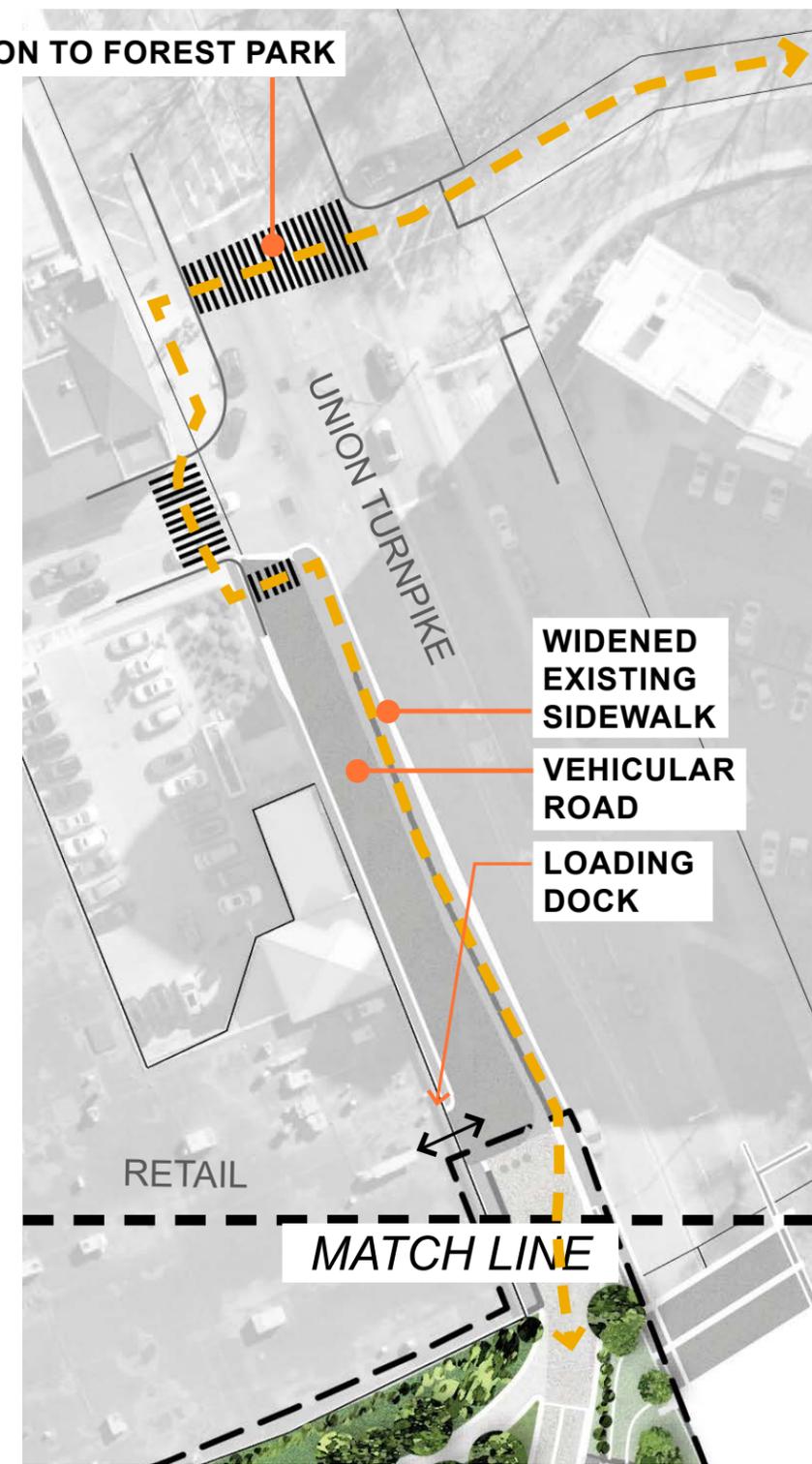


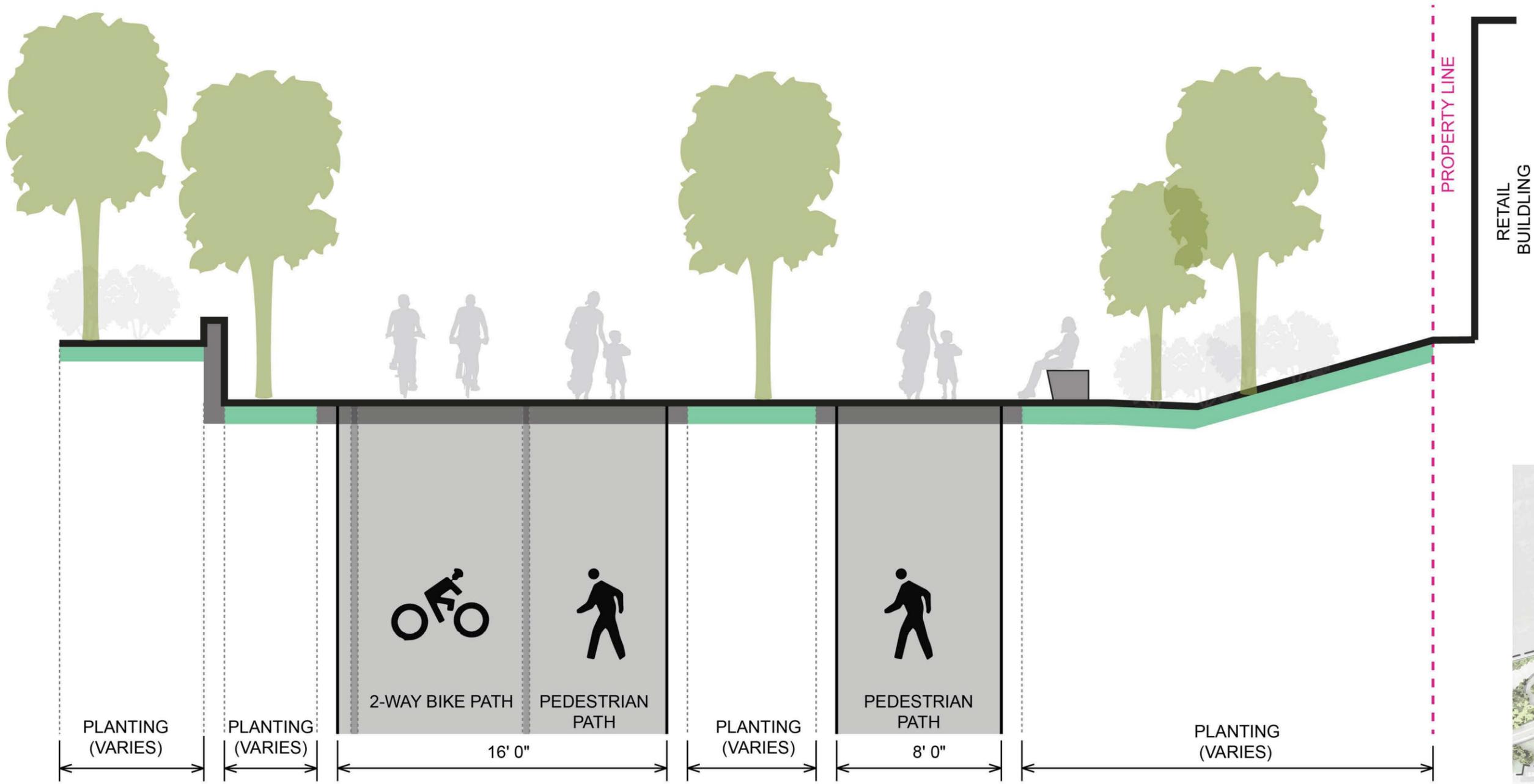


WIDTH VARIES PER PLAN DRAWING (3' MIN)



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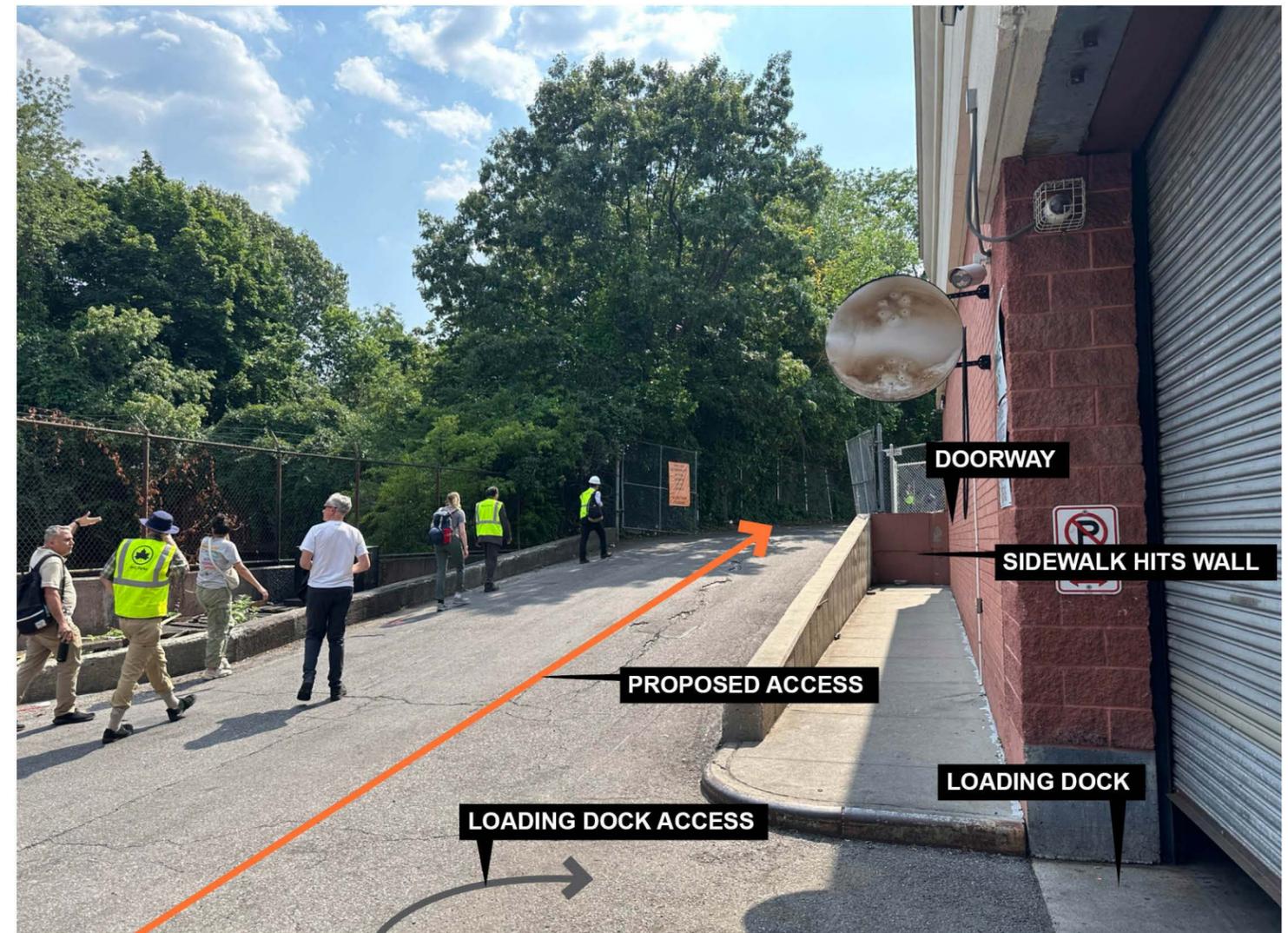






1 - Loading dock and ramped drive, looking east

→ Ped Access



2 - Loading dock and steep ramp, looking west





1964 World's Fair Bench



Silver Bottle Filler



Public Space Receptacle Bins



Flushing Meadows Luminaire

*



Removable Bollards

Notes:

- Lighting will be provided throughout the park and meet DOT Street Lighting requirements
- All site furnishings and materials will meet NYC Parks Standards
- Water supply will be provided in the park (RPZ and bottle fillers)

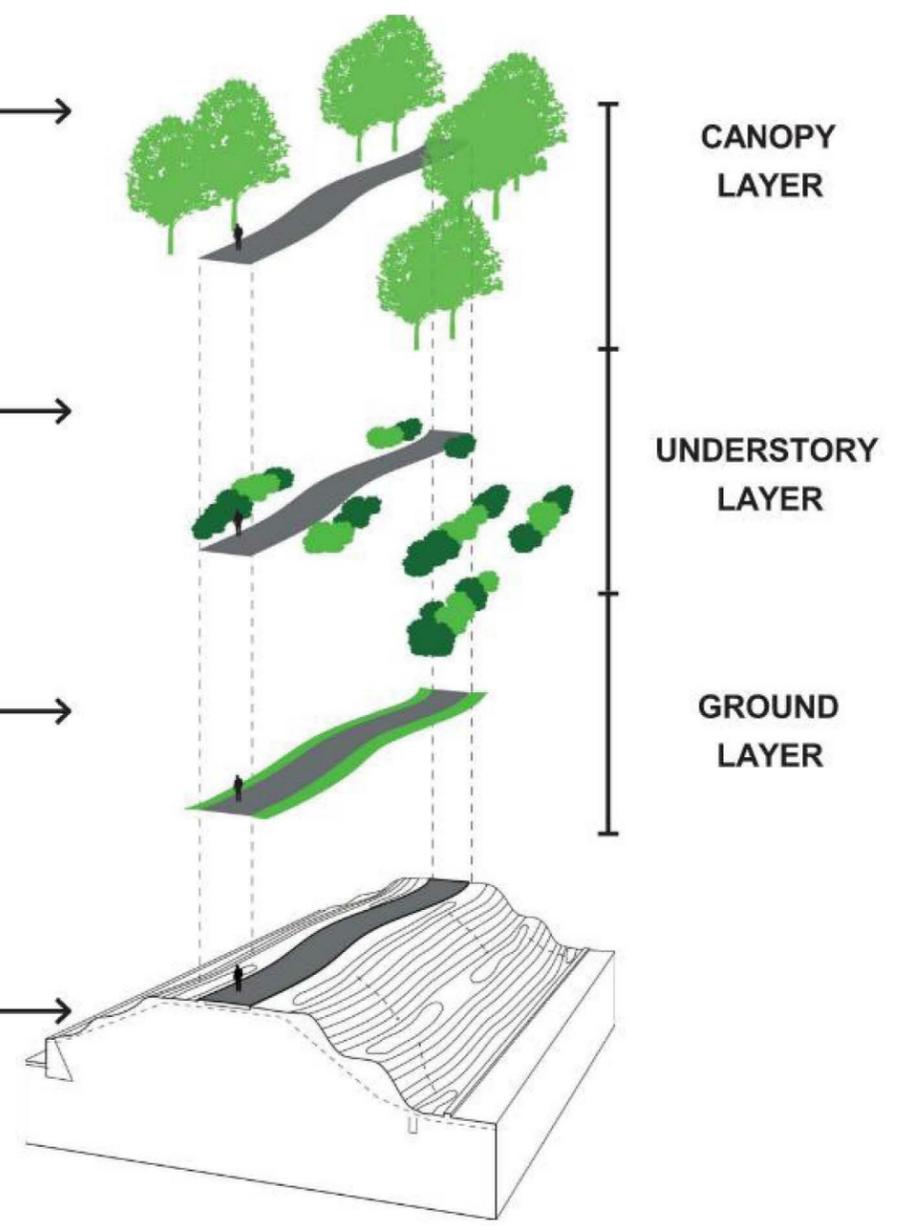
* Utilize new light pole suggested by DOT-SL: 2' arm with LED-Std luminaire mounted to Flushing Meadow shaft

TREE CANOPY
 Although the paths will require some tree removals, the overall tree canopy will remain. The existing tree canopy will be pruned to increase the health of the existing trees and to allow more light to the understory.

DIVERSE SHRUB AND WOODY PERENNIAL PLANTING
 Increased native plantings for seasonal interest, improved habitat, and privacy.

GROUND COVER PLANTING
 Enhances the experience at the path's edge. Root systems help stabilize the slopes.

SLOPE STABILIZATION
 Coir logs prevent erosion while supporting vegetative growth



THANK YOU!