

Pending committees' approval

**Bronx Community Board No.8 Joint Meeting
of the Environment and Sanitation (E&S) Committee and the Parks and Recreation (P&R) Committee
May 24, 2023, 7PM
MINUTES**

In person location: 5676 Riverdale Avenue, Suite #100, or Zoom Meeting:
<https://us02web.zoom.us/j/2114033690>

Attending members (all on zoom, unless explicitly identified as in-person in the CB8 office)

E&S: Camelia Tepelus/Chair and Robert Fanuzzi/Vice-Chair (in person); Deb Travis, Rhashida Hilliard, Robert Spalter, Karen Argenti.

P&R: Debra Travis/Chair; Rob Jacklosky, Ramdat Singh, Leona Teten; Bob Bender, Robert Fanuzzi, David Gellman (in person)

CB8 members: Laura Spalter (CB8 Chair)

Guests:

NYC Department of Environmental Protection (DEP): Pinar Balci, John McLaughlin, Roopesh Joshi, Amy Motzny, Tara Deighan, Alicia West, Effie Ardizzone

NYC Department of Parks & Recreation (DPR): Stephanie Ehrlich, Mitchel Loring, Sarah Neilson, John-Paul Catusco, Lidsay Schott, Alexander Han, Anthony Macari, Barbara Huang

Starr Whitehouse (Parks' Landscape Architecture Consultants/Main Presenters): Gail Wittwer Laird, Ankita Gupta, Huong Dinh

Hazen & Sawyer (DEP/Parks' Project Design Consultants/Supporting Presenters): Dahlia Thompson, Abir Momen, Liz Moskalenko, SMehorotra

NYC Department of Design and Construction (DDC): Louis Villafana, Anna Killion.

Partnerships for Parks: Karl Vetter.

Public (names listed as per zoom participants identification): Belinda's Ipad, Christina Hook, Carlos Wilcox, GLeon, Jodie Colon, Marit Larson, Matt Rawitzer, Melba, Noel, JessieN, Julie Jenkins, phone*58, phone*62, AMomen,

1. Roll Call E&S: Chair Tepelus: conducted roll call – quorum confirmed.
Roll Call P&R: Chair Travis: conducted roll call – quorum confirmed. Rules of the meeting presented.
2. Vote on the E&S Minutes of April 19, 2023 meeting: unanimously approved by E&S.
3. Vote on the P&R Minutes of April 26, 2023: unanimously approved by P&R.
4. NYC DEP and DPR presentation on the "Tibbetts Brook Daylighting & Putnam Greenway" Project, prior to preliminary presentation to the Public Design Commission (August 2023).

DEP Presentation included as Attachment 1 to these Minutes.

Questions and answers from committees as well as from the public were addressed by speakers.

Committee members discussion and vote on draft resolution: E&S Chair Tepelus and P&R Chair Travis presented resolution prepared with input from committees, as follows:

Resolution passed by the Bronx Community Board No. 8 Environment and Sanitation (E&S), and Parks and Recreation (P&R) Committees on the “Tibbetts Brook Daylighting & Putnam Greenway Project”, at the joint meeting of May 24, 2023

WHEREAS, the New York City Department of Environmental Protection (DEP) and the New York City Department of Parks and Recreation (DPR) are scheduled to present on August 14, 2023 to the NYC Public Design Commission the preliminary 75% design on the “Tibbetts Brook Daylighting & Putnam Greenway Project” (the Project); and,

WHEREAS, Bronx Community Board 8 passed on June 29, 2022 a resolution with a detailed history of our support to the goals and concepts of the DEP and DPR application to the NYC Public Design Commission Conceptual Design; and

WHEREAS, DEP and DPR presented the current status on the Project to the general public on virtual meetings held on December 14, 2022 and April 24, 2023, a public site walk-through on April 26, 2023, and a DEP and DPR presentation to a joint meeting of Bronx Community Board 8 E&S and P&R Committees on May 24, 2023

WHEREAS, The City of New York announced on January 18, 2023 reaching of an agreement to purchase the CSX property;

WHEREAS, Bronx Community Board 8 Environment & Sanitation and Parks & Recreation Committees reviewed the DEP and DPR 2023 presentations against our priorities stated in the June 29, 2022 joint Resolution passed by CB8 full Board, finding that our stated concerns have been sufficiently addressed; and,

THEREFORE, BE IT RESOLVED, that Bronx Community Board 8 Environment & Sanitation and Parks & Recreation Committees strongly support the DEP and DPR preliminary design submission on the Project, anticipated to be presented to the New York City Public Design Commission on August 13, 2023;

BE IT FURTHER RESOLVED, that the joint committees recommend maximization of the use of porous materials in order to allow the highest degree of natural absorption and drainage capacity within the greenway and adjacent flood plain, as recommended by the Bronx Community Board 8 resolution passed May 13, 2014; and,

BE IT FURTHER RESOLVED, that the joint committees request designers study and implement to the highest degree feasible noise-mitigation measures to alleviate noise impacts from the Major Deegan Expressway, especially at public gathering points along the greenway;

BE IT FURTHER RESOLVED that the joint committees consider this Project an example of innovative, sustainable, and equitable design of public spaces and civic structures, highly appreciate the responsiveness of the DEP and DPR teams to community feedback, and look forward to receiving regular updates on the Project.

Committees Vote:

In Favor: Camelia Tepelus, Robert Fanuzzi, Deb Travis, Rhashida Hilliard, Karen Argenti, Rob Spalter, Bob Bender, Rob Jacklosky, Ramdat Singh, Leona Teten

Opposed: David Gellman

Resolution passed by the CB8 E&S and P&R Committees, on May 24, 2023.

5. E&S Chair report: Chair Tepelus referred to information circulated concerning changes to the “Open Restaurants” program, including requirement for containerization of trash generated by restaurants; reviewed the DCP information circulated on the new “City of Yes for Carbon Neutrality”, asked members to review.
6. Old business: none.
7. New business – committee discussion on follow up with MTA/MN requesting visit of property south of 230th St; no meeting anticipated for June.
8. P&R Chair report
Discussion of Mosholu Golf Course RfP for comment and Wet Cell Management at New Mosholu Driving Range Facility
See DDC presentation included as Attachment 2 to these Minutes.
Questions and answers from members addressed by agency representatives. Agency stated that the RFP that they will be issuing for a concessionaire will be for a two year term to accommodate construction delays and allow for all of the permits to be in place before the full 20+ year concession agreement goes into effect.
Committee expressed concerns about the complexity of the wet cells being managed by the concessionaire. DEP stated that the water in the “moat” will be storm water runoff from the driving range which sits on top of the filtration plant. Representatives from BCEQ indicated that they believe a substantial portion of the water is ground water which will make the volume going to sprinklers larger than seem to expect. Villafana said he would get back to the committee with the amount of water. Concession Unit will return to the committee for comments for future long term RFP.
9. Old business: none
10. New business: none
11. Adjournment – meeting adjourned at 10 pm.

Respectfully submitted by CB8 E&S Chair, Camelia Tepelus and P&R Chair Debra Travis.

Meeting recording available on the CB8 YouTube channel at:

[Joint Meeting Environment & Sanitation and Parks & Recreation Committees - May 2023 - YouTube](#)

Two Attachments:

DEP Presentation on the Tibbetts Greenway

DDC Presentation on the Mosholu Golf Course



Tibbets Brook Daylighting and Greenway

Bronx, NY

NYC Parks



**Environmental
Protection**

May 24, 2023

Community Board 8 Meeting



City

2 MI



Neighborhood

1000 FT



Site

500 FT

Tibbetts Brook Daylighting | Project Location

May 24, 2023

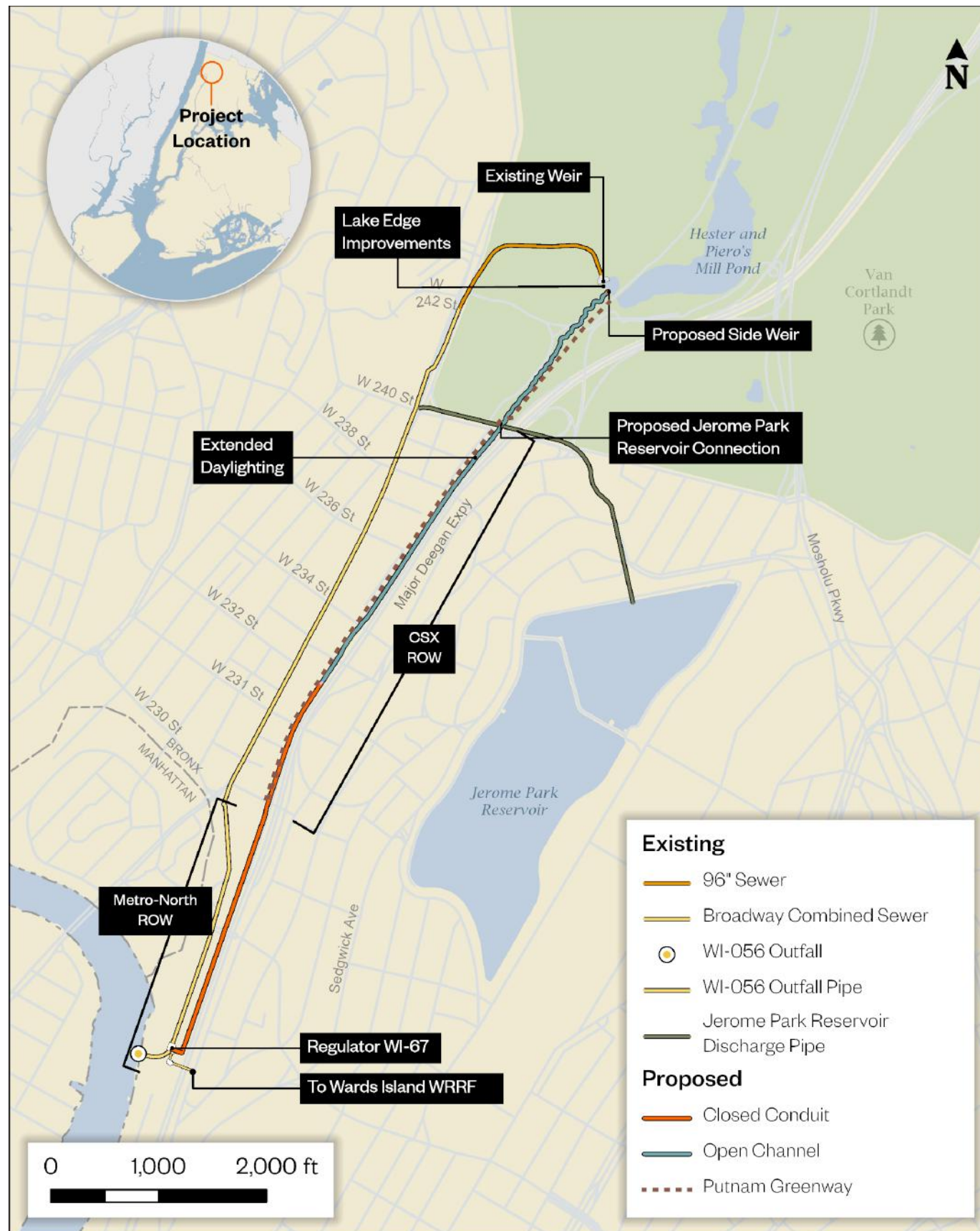


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Permitting & Approvals
Winter 2021 - Spring 2024



- TAG Meeting #5 (Overall project update)
April 2023
- Community Board 8 Meeting
May 2023
- Preliminary PDC Meeting
Summer 2023



PROJECT PHASES & SCOPE

- Hester and Piero's Mill Pond Improvements
- Tibbetts Brook Daylighting & Putnam Greenway

Tibbetts Brook & Putnam Greenway

- Proposed channel is designed for a baseflow of 7 Cubic Feet per Second (CFS) and maximum wet weather flow of 38 CFS
- New daylighted channel extends from Hester and Piero's Mill Pond and enters into pipe at W. 232nd St. to the Harlem River.
- Putnam Greenway extends from current terminus in Van Cortlandt Park to W. 230th Street.

CSO Reduction to Harlem River

- 215-220 Million Gallons per Year (MGY)

Current Project Status

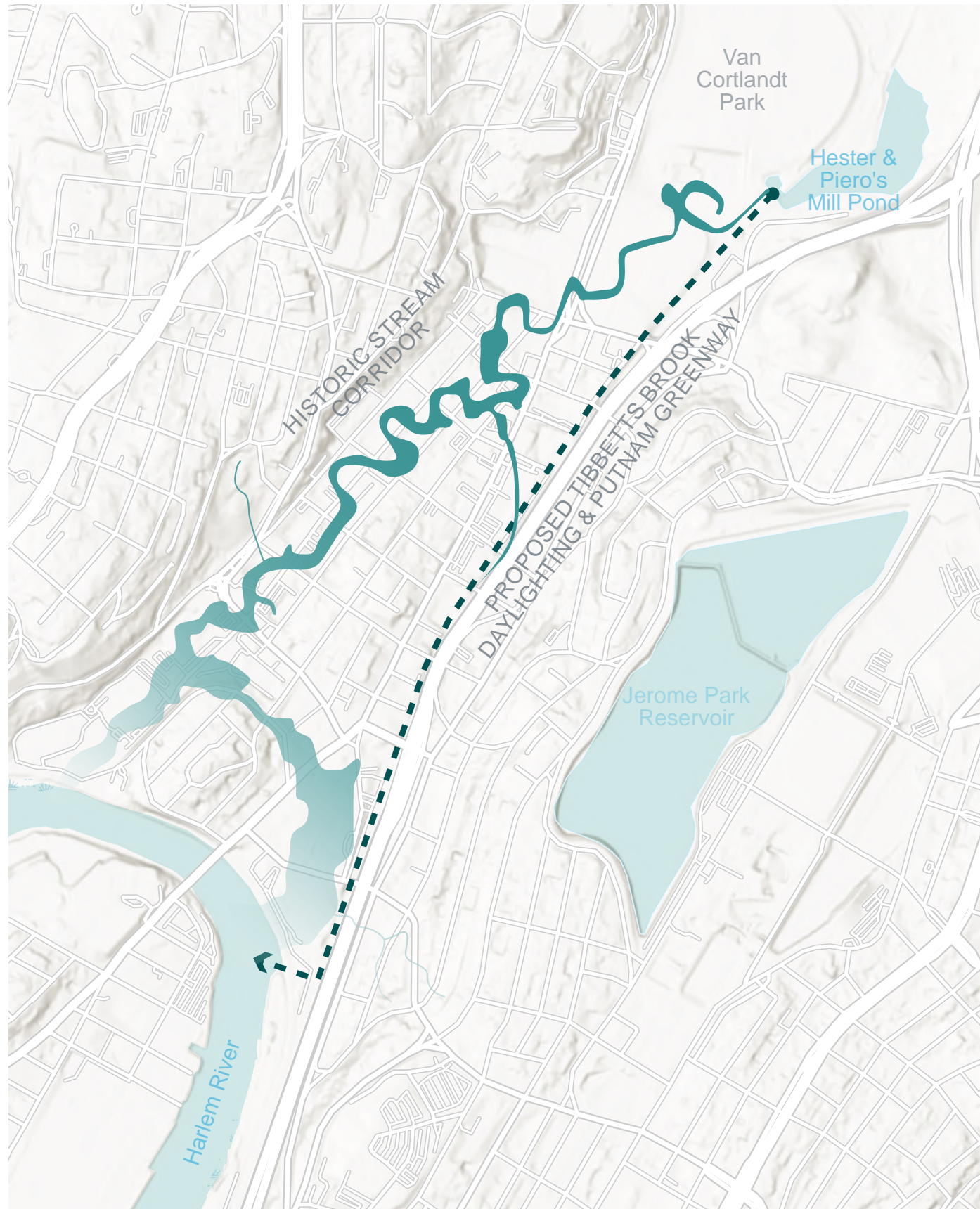
- Funding in place.
- Preliminary construction drawings under agency review.

Tibbetts Brook Daylighting | Project Overview

May 24, 2023






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PROJECT GOALS

- Restore the hydraulic connection between Tibbetts Brook and the Harlem River
- Diversion of freshwater from the combined sewer system to the new stream corridor to reduce combined sewer overflow volumes.
- Extend a public greenway from the current Putnam Trail end in Van Cortlandt Park to W. 230th Street, connecting the trail to the existing bicycle network.
- Create an inviting experience for the public along the daylighted stream and greenway extension.
- Expand and enhance the wetland habitat within Van Cortlandt Park and the CSX Corridor

LEGEND

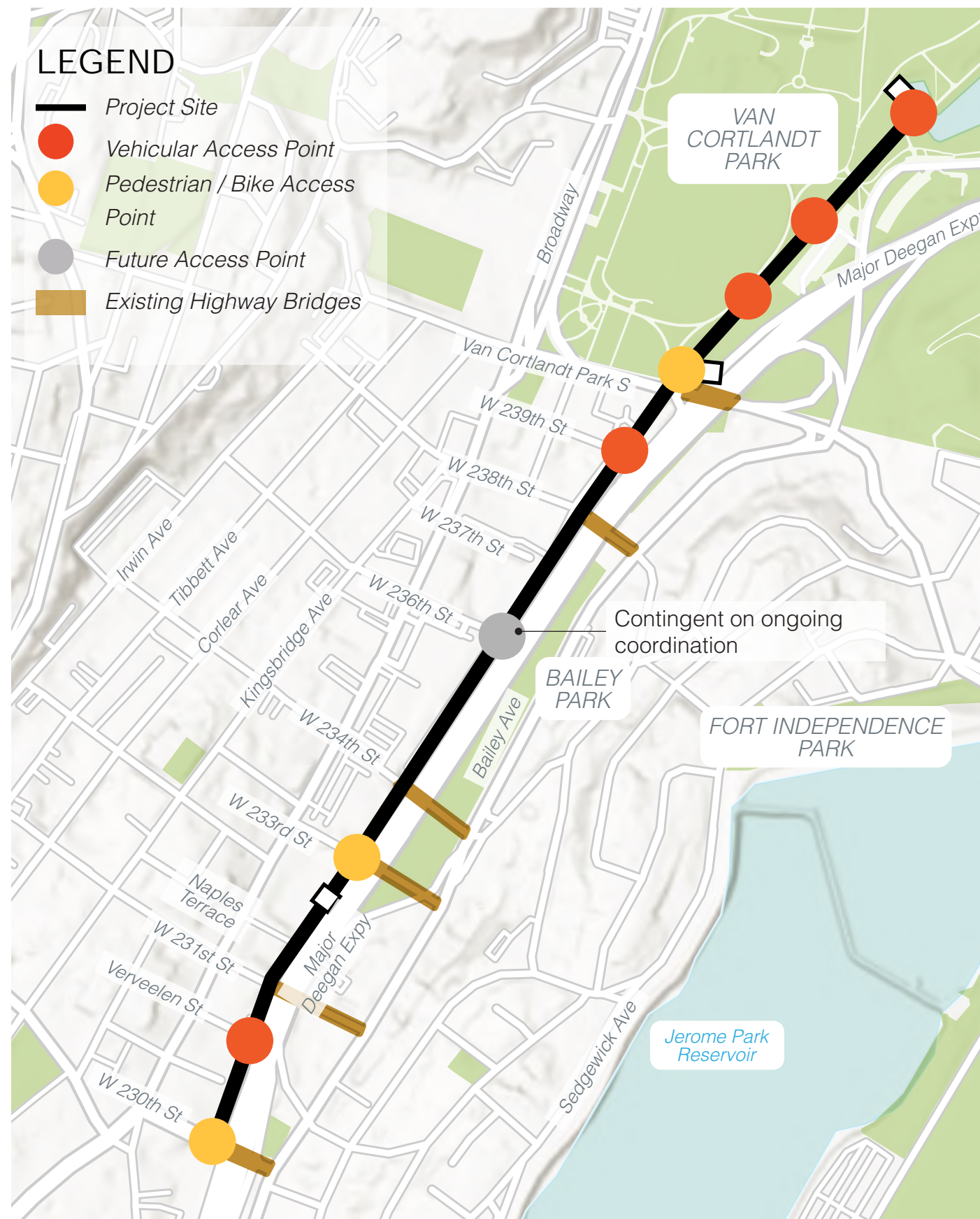
-  Water
-  Old Putnam Railroad
-  Historic Tibbetts Brook Course

Tibbetts Brook Daylighting | Project Goals

May 24, 2023



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DESIGN EVOLUTION

- **Connectivity:** Incorporated a comprehensive neighborhood circulation, maintenance, and ecological analysis study which informed the updated access points locations.
- **Maintenance & Access:** Informed path widths, slopes, entrances and fencing.
- **Project Design:** Landscape design integrates ecological, social, and engineering considerations. Greenway and stream channel now include more meanders and elevation change where feasible. Underbridge areas are designed to anticipate future public art installations.
- **Stormwater Design:** Intake structure shifted north to allow for better management of stormwater from lowest lying properties.
- **Stream Access:** The stream in Van Cortlandt Park has a naturalized edge. An overlook area has been incorporated into the design near W. 239th St entrance.

Tibbetts Brook Daylighting | Summary Design Criteria

May 24, 2023



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SEGMENTS

- 1

Van Cortlandt Park (North)
- 2

Van Cortlandt Park (South)
- 3

W238th St - Van Cortlandt Park South
- 4

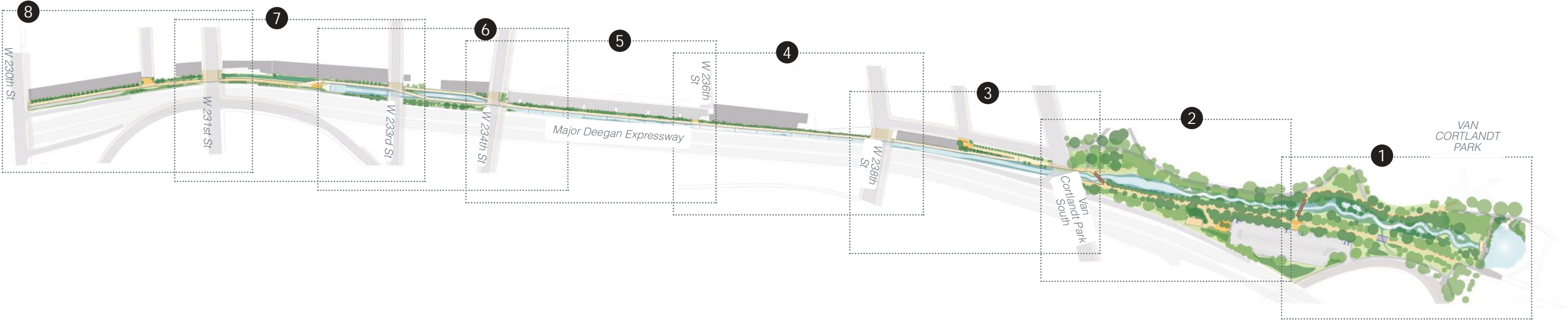
W236th St - W238th St
- 5

W234th St - W236th St
- 6

W233rd St - W234th St
- 7

W231st St - W233rd St
- 8

W230th St - W231st St

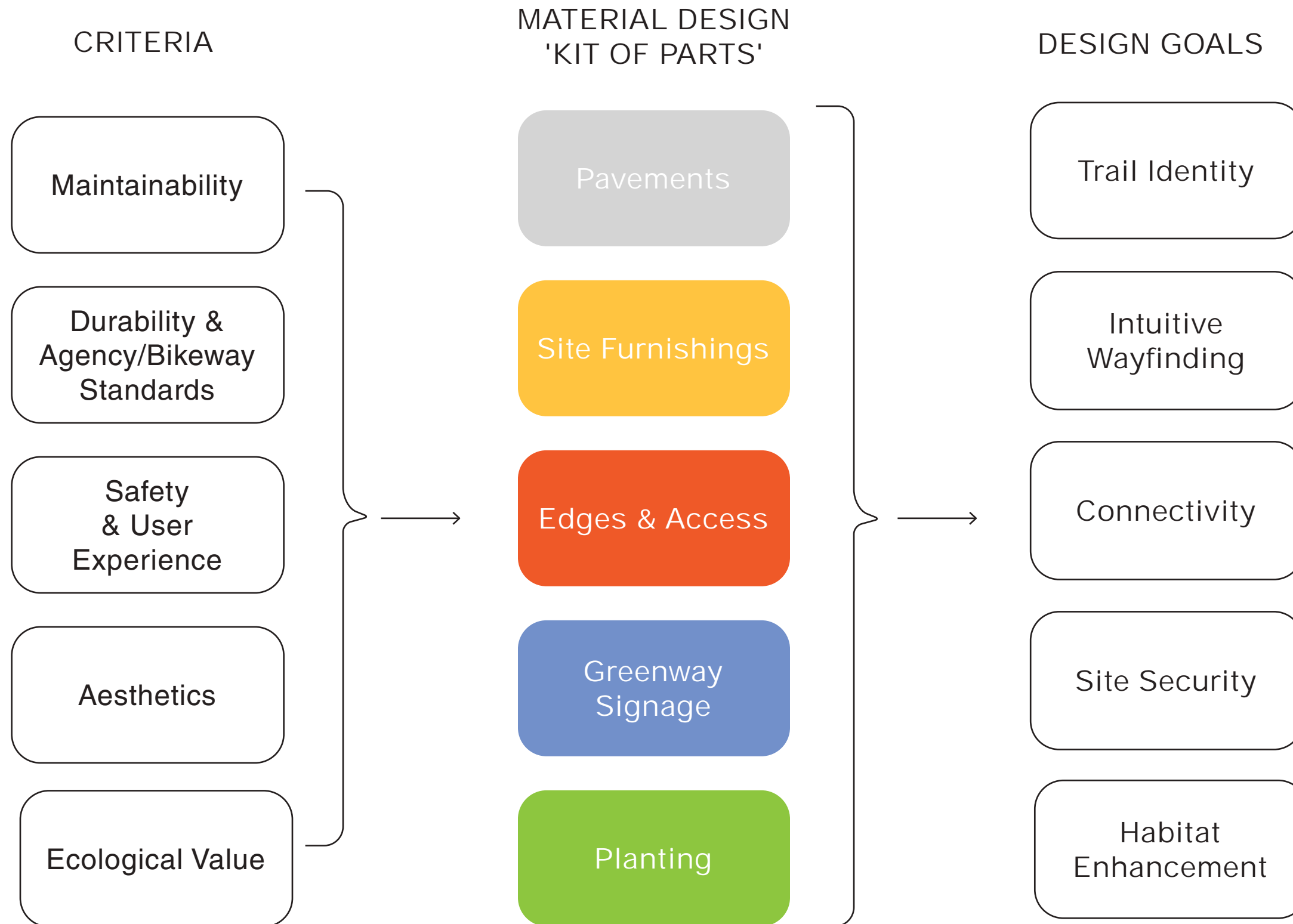


Tibbetts Brook Daylighting | Key Plan

May 24, 2023



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Tibbetts Brook Daylighting | Material Design Considerations

May 24, 2023



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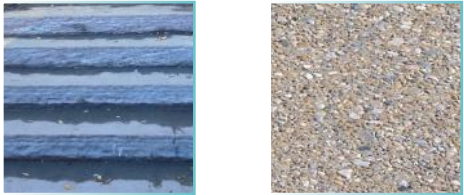






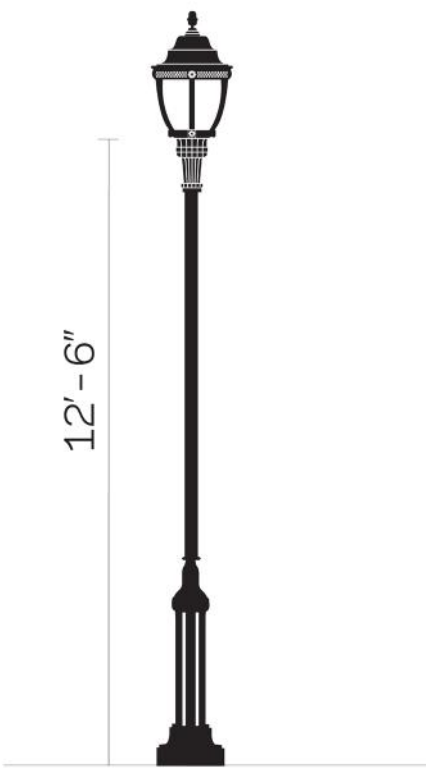
01 CORRIDOR DESIGN - VAN CORTLANDT PARK

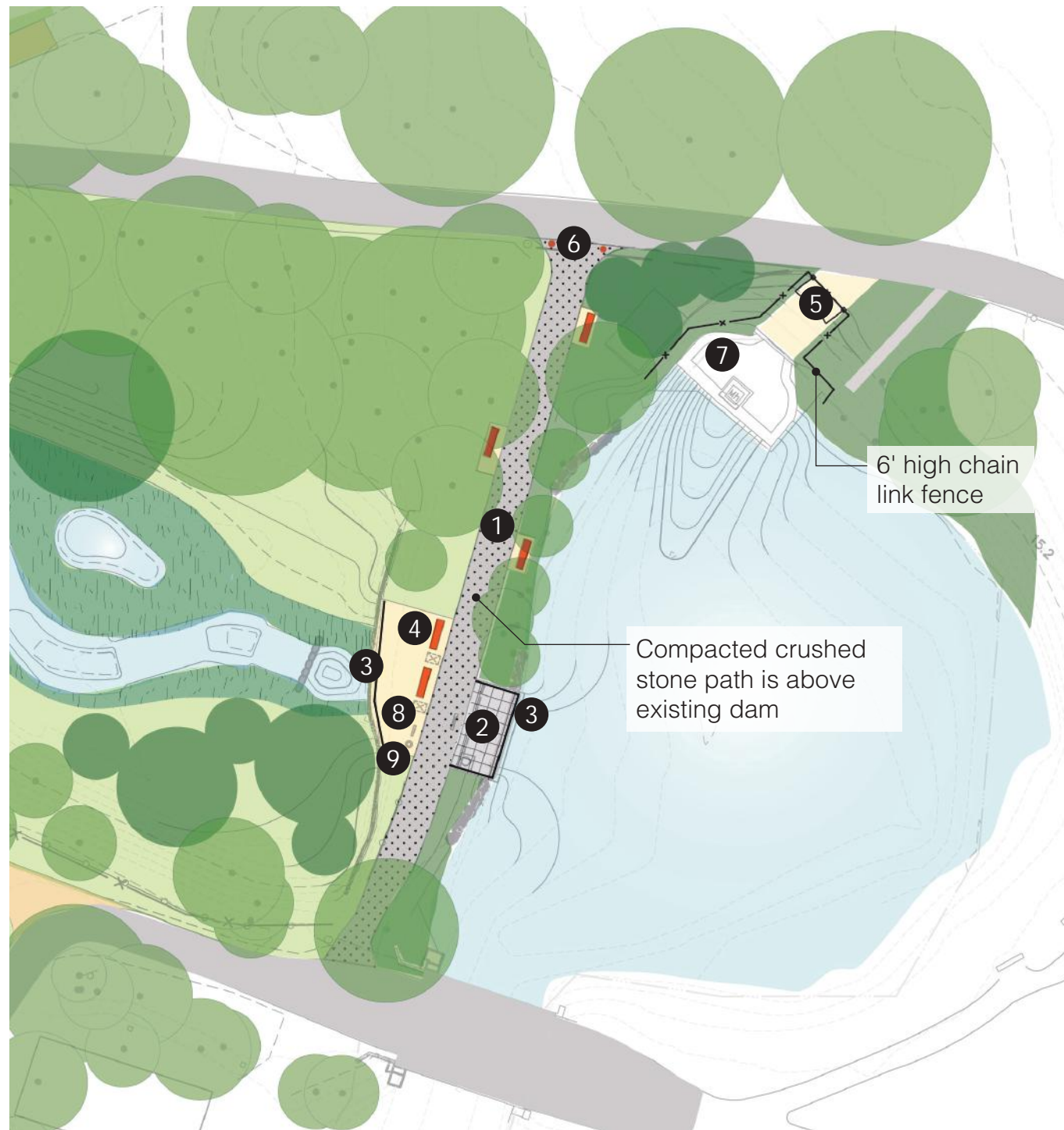
Tibbetts Brook Daylighting

May 24, 2023

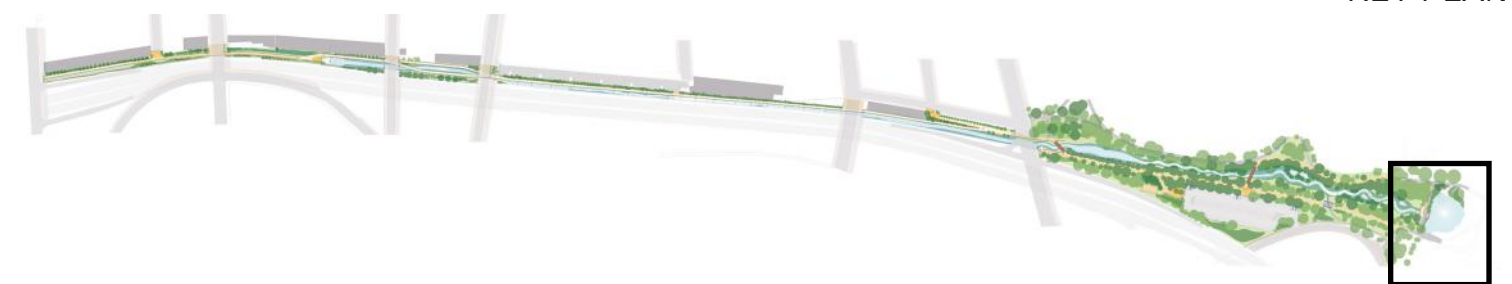


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PAVEMENT	FENCE & GATES	SITE FURNISHINGS	LIGHTING
<div>   </div> <div> <p>Asphalt</p> <p>Porous asphalt</p> </div> <div>   </div> <div> <p>Stabilized screenings</p> <p>Painted warning strips</p> </div> <div>   </div> <div> <p>Hex pavers</p> <p>4" thick bluestone slabs</p> </div> <div>  </div> <div> <p>Stone steps with exposed aggregate concrete landing</p> </div>	<div>  </div> <div> <p>Steel picket gate and fence – 4' ht.</p> </div> <div>  </div> <div> <p>Weir deck / dam path railing</p> </div> <div>  </div> <div> <p>Painted steel railing</p> </div>	<div>  </div> <div> <p>Trash receptacle</p> </div> <div>  </div> <div> <p>1939 World's Fair Bench</p> </div> <div>  </div> <div> <p>Bike rack</p> </div>	<div>  </div> <div> <p>Riverside Luminaire Painted Steel - Black</p> </div>



KEY PLAN



- LEGEND**
- 1 Realigned Compacted Crushed Stone Path with Diamond Grid & Stone Edging
 - 2 Reconstructed Deck - 4" thick. min. Bluestone Slab
 - 3 Railing
 - 4 1939 World's Fair Bench - Grey RPL Slats with Companion Seating
 - 5 Asphalt Maintenance Path
 - 6 Permanent Bollards with one Removable Bollard
 - 7 Existing Weir with Underflow Baffle & Grating
 - 8 Interpretive Signage
 - 9 Trash Receptacle
- 0 25' 50' N

Tibbetts Brook Daylighting | Hester and Piero's Mill Pond

May 24, 2023



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The stream channel design consists of a stone lining varied to create "riffles" and "pools" at a base flow rated of 7 Cubic Feet per second (CFS).

The limited grade change between the outfall at the pond and the outlet into the Harlem Rivers mimics that of a natural coastal stream with a shallow profile.

Typical water flow through the corridor

Tibbetts Brook Daylighting | Open Stream Channel Design

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LEGEND

- | | | | | | | |
|----------------|--------------------|---|----------------|---------------------|------------------|-----------------|
| ① Putnam Trail | ② Proposed Channel | ③ Existing Putnam Bridge | ④ Parking Lot | ⑤ Benches / Seating | ⑥ Lookout | ⑦ Existing Weir |
| Porous Asphalt | Existing Park Path | Parking | Wetland | Existing Trees | Chain Link Fence | Gate |
| Water | Shrubland | Crushed Stone Pavement with Diamond Grid system | Proposed Trees | | | |



Tibbetts Brook Daylighting | Van Cortlandt Park North

May 24, 2023



LEGEND

1 Putnam Trail

2 Proposed Bridge

3 Proposed Channel

4 Trash Receptacle

5 Benches

6 Bike Racks

7 Compost Area

8 Interpretive Signage

Porous Asphalt

C.I.P. Concrete Bridge

Existing Park Path

Existing Trees

Special Pavement

Steel Picket Fence

Gate

Water

Shrubland

Wetland

Parking

Proposed Trees

Painted warning strip

Chain Link Fence

0


25'

50'


N

Tibbetts Brook Daylighting | Van Cortlandt Park South


May 24, 2023




NYC Parks



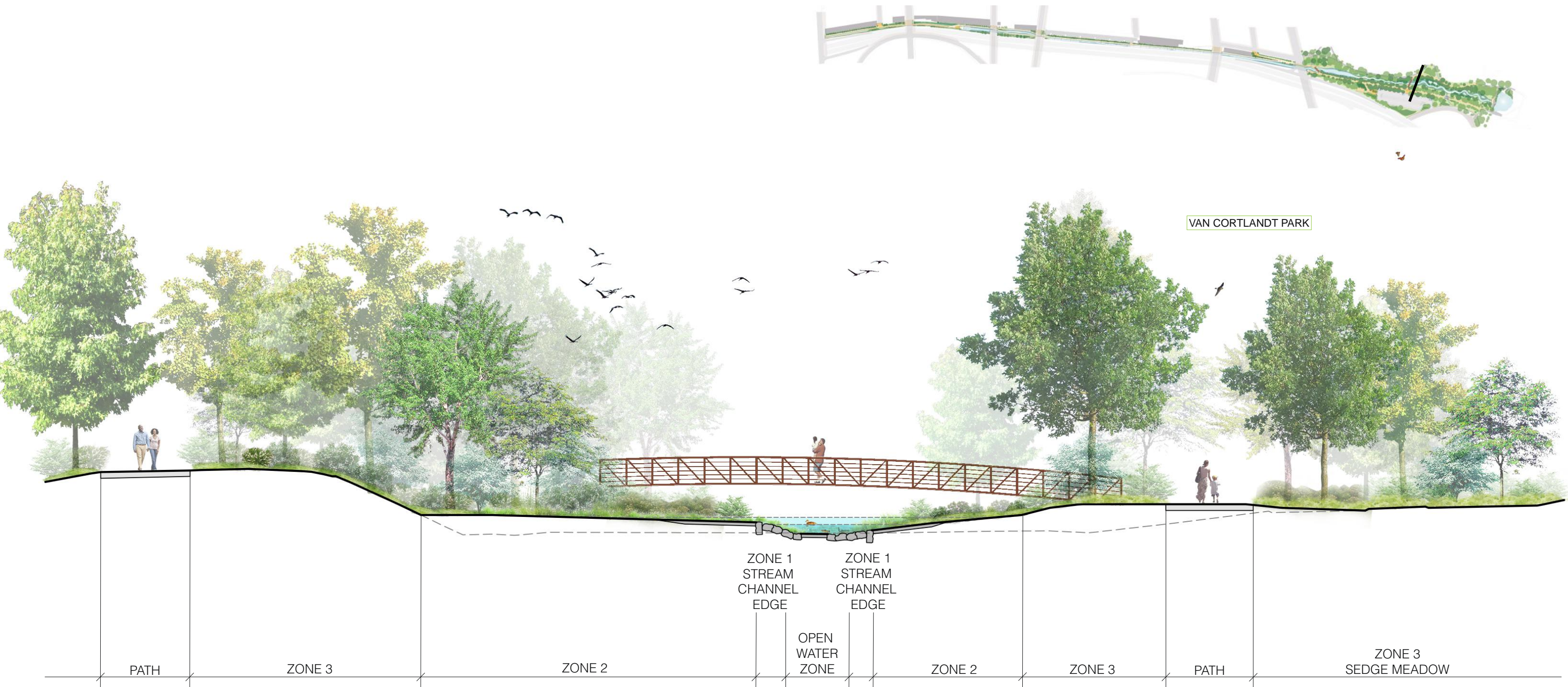
NYC Environmental Protection



Hazen



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Connector Pedestrian Truss Bridge: Contech Engineered Solutions

 RAL: 8029 (Pearl Copper)

Tibbetts Brook Daylighting | Bridge Materials – Color

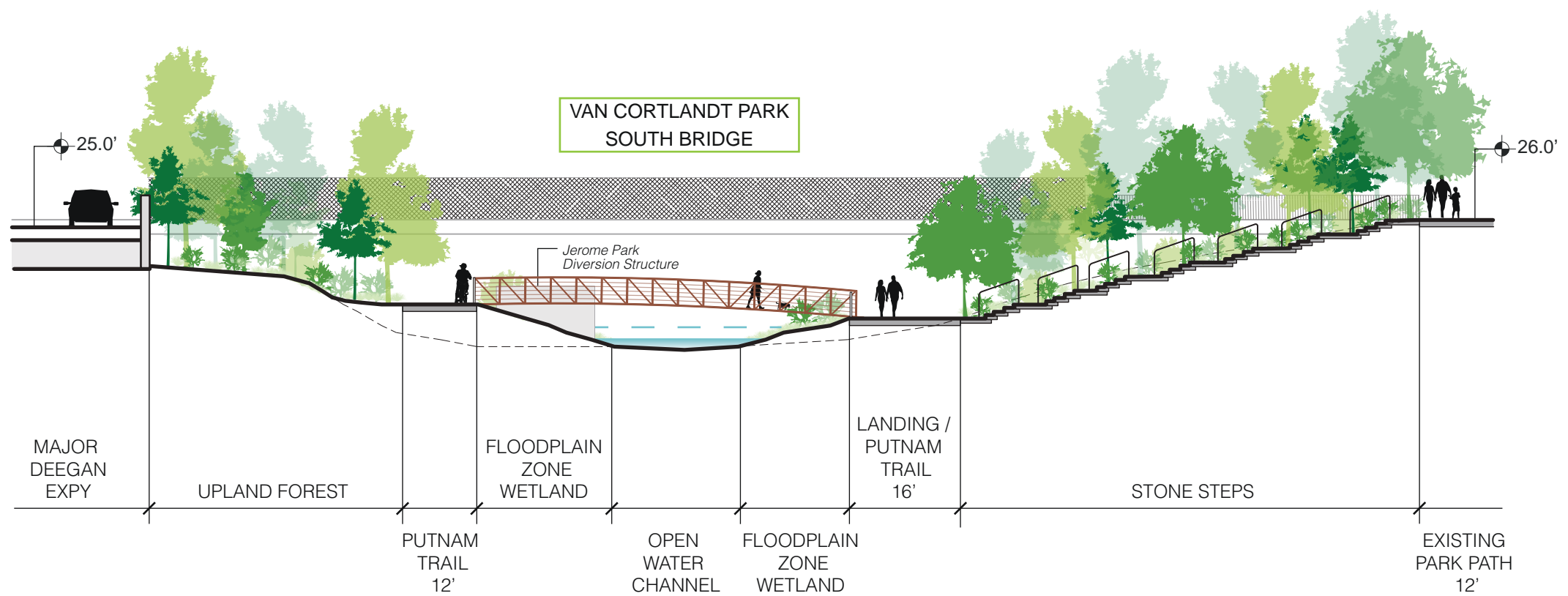
May 24, 2023



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SECTION
Section through proposed bridge and woodland

- LEGEND
- Proposed grade
 - Existing Grade
 - Base Flow
 - Wet Weather Flow



Tibbetts Brook Daylighting | Section - Van Cortlandt Park South

May 24, 2023





Tibbetts Brook Daylighting | Van Cortlandt Park View North

May 24, 2023



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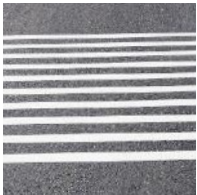





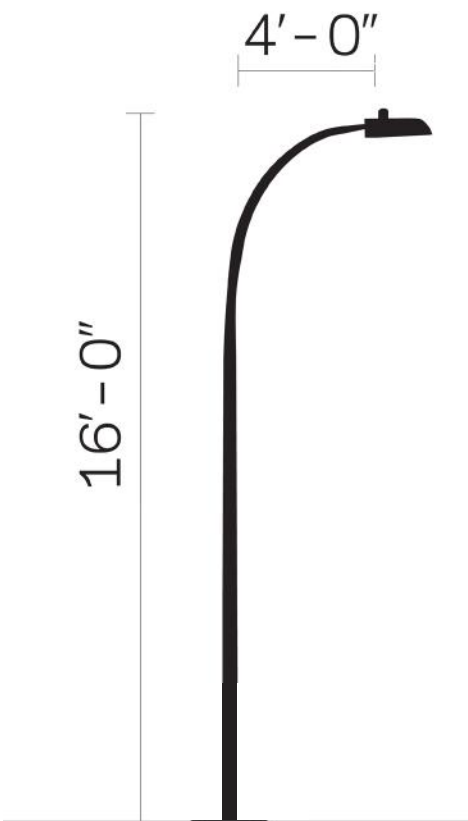
02 CORRIDOR DESIGN - CSX

Tibbetts Brook Daylighting

May 24, 2023

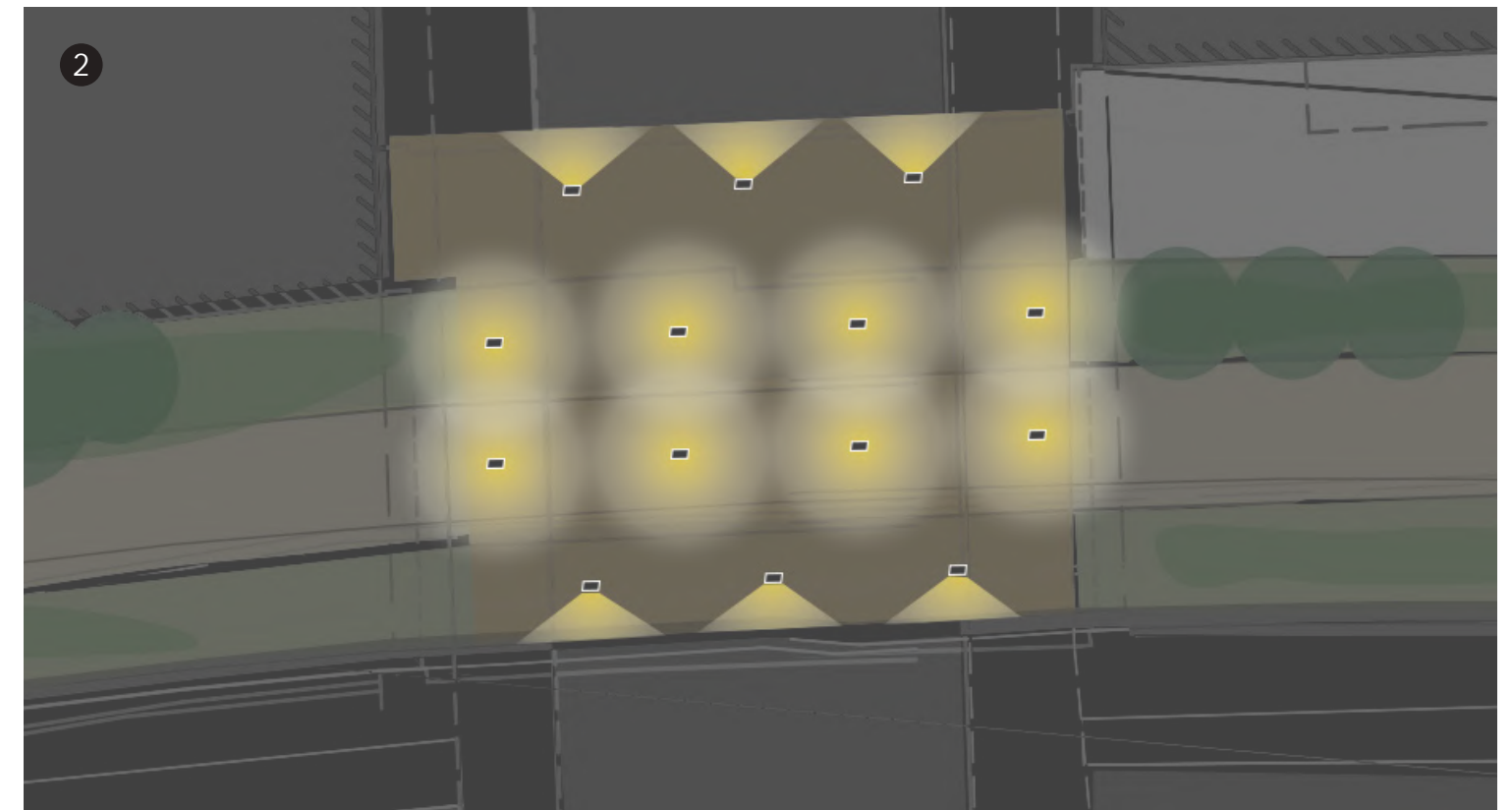


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PAVEMENT	FENCE & GATES	SITE FURNISHINGS	LIGHTING
<div><div></div><div>or</div><div></div></div> <div>Asphalt Porous asphalt</div> <div></div> <div>Concrete</div> <div></div> <div>Hex pavers</div> <div></div> <div>Permeable pavers at entrances w/ resin bound joint filler</div> <div></div> <div>Painted warning strips</div>	<div></div> <div>Steel picket gate and fence – 4' or 7' ht.</div> <div></div> <div>Aluminum railings</div>	<div></div> <div>Trash receptacle</div> <div></div> <div>1964 World's Fair Bench</div> <div></div> <div>Bike rack</div>	<div></div> <div>Davit Pole Painted Steel - Silver</div>



- ① Under deck lighting - DOT Standard
- ② Under deck lighting - Concept - Std. DOT fixture arranged in a pattern to provide more light under the bridge

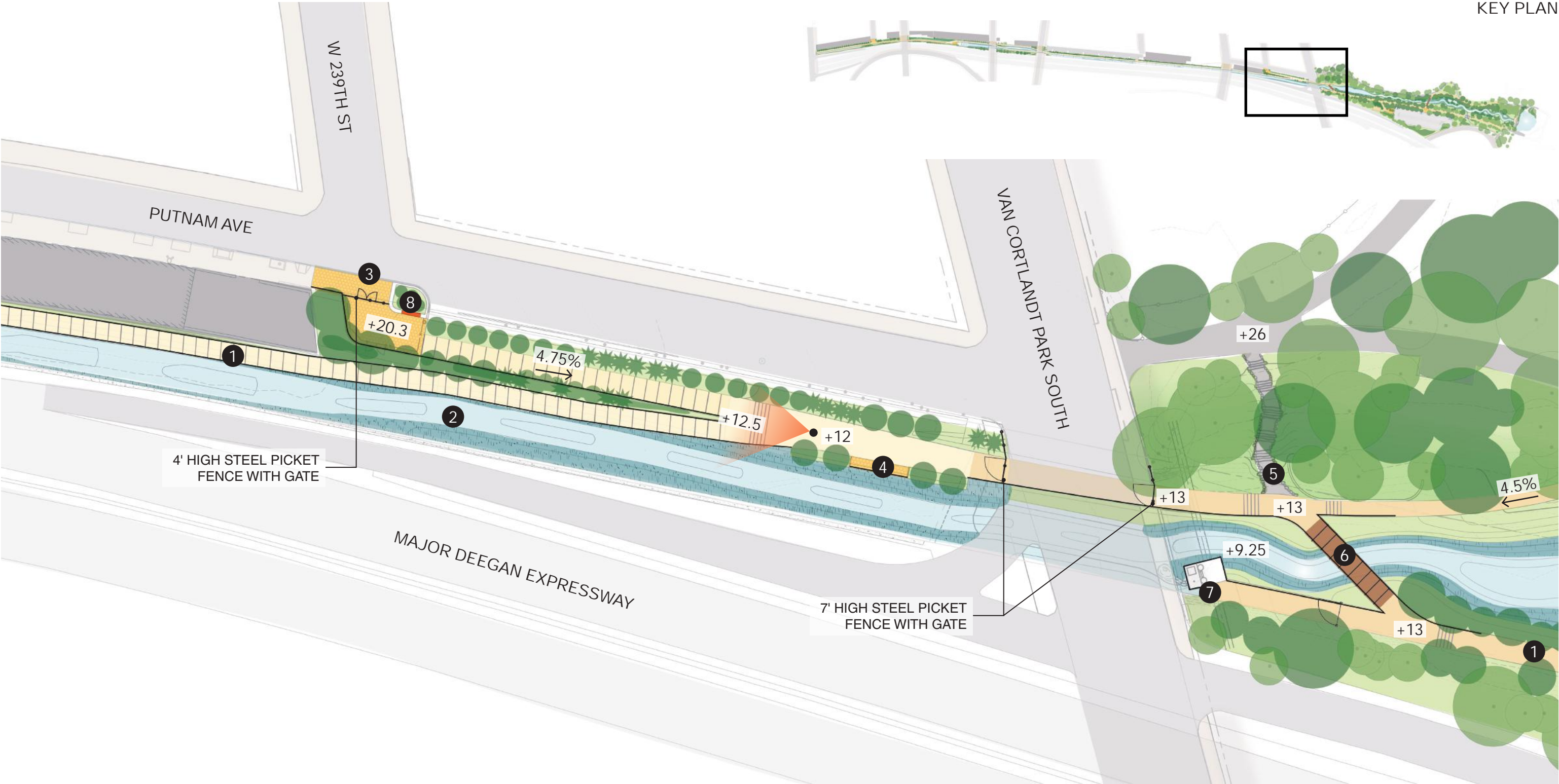


Tibbetts Brook Daylighting | Furnishings - Lighting Under Bridge

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LEGEND

1 Putnam Trail

2 Proposed Channel

3 Proposed Entrance

4 Proposed Lookout

5 Stone steps

6 Proposed Bridge

7 Jerome Park Reservoir Structure

8 Benches

Porous Asphalt

C.I.P. Concrete

C.I.P. Concrete Elevated Pathway with 42" High Handrails

Special Pavement

Surrounding Buildings

Steel Picket Fence

Water

Shrubland

Wetland

Existing Trees

Proposed Trees

Painted Warning Strip

Gate

0

25'

50'

N

Tibbetts Brook Daylighting | W. 238th St - Van Cortlandt Park South

May 24, 2023



Tibbetts Brook Daylighting | W. 239th Street View South

May 24, 2023



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LEGEND

① Putnam Trail

② Proposed Channel

C.I.P. Concrete Elevated Pathway with 42" High Handrails

Scored Concrete

Water

Shrubland

Wetland

Surrounding Buildings

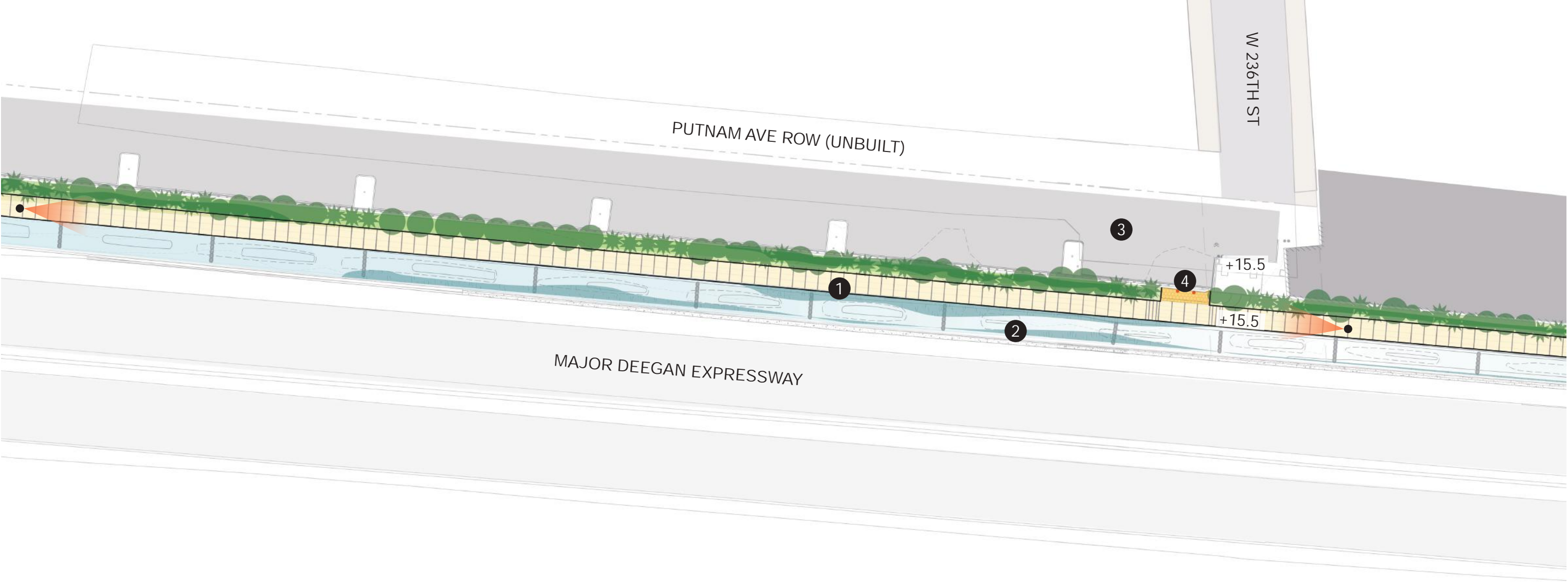
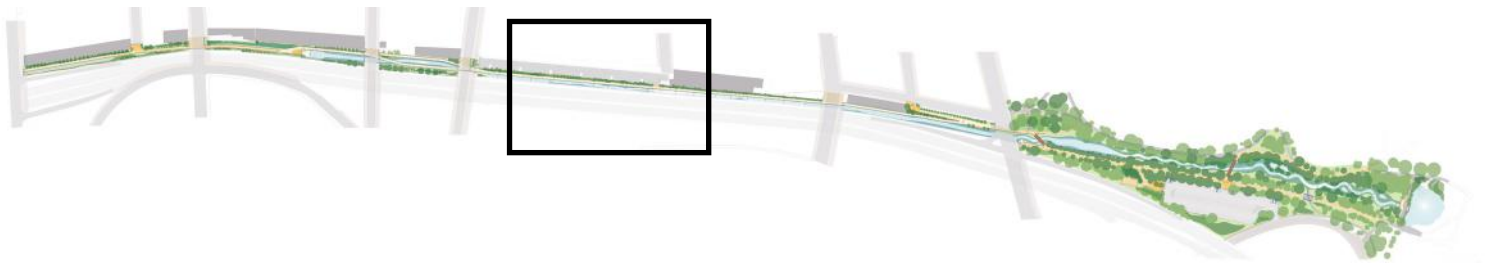
Painted warning strip

0 25' 50'

N

Tibbetts Brook Daylighting | W. 236th St - W. 238th St

May 24, 2023



LEGEND

① Putnam Trail	② Proposed Channel	③ Existing Private Parking Lot	④ Potential Access Point, Pending Coordination with Private Land Owner (In Progress)
C.I.P. Concrete Elevated Pathway with 42" High Handrails	Water	Parking	Shrubland
			Proposed Trees
			Proposed Shrubs
			Painted warning strip

0 25' 50'

N

Tibbetts Brook Daylighting | W. 234th St - W236th St

May 24, 2023



Tibbetts Brook Daylighting | W. 236th Street View South

May 24, 2023



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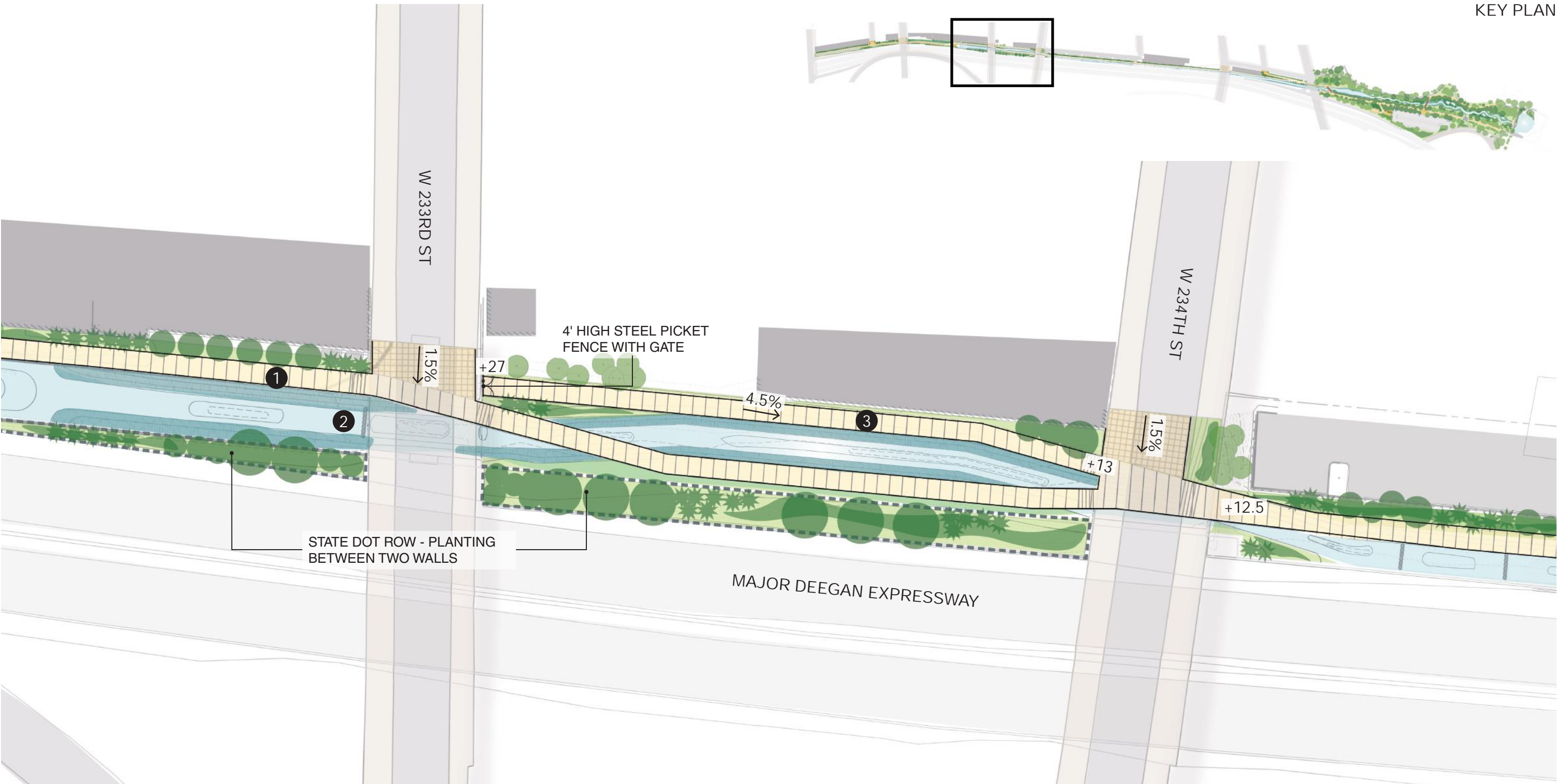


Tibbetts Brook Daylighting | W. 236th Street View North

May 24, 2023



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LEGEND

① Putnam Trail

C.I.P. Concrete Elevated Pathway with 42" High Handrails

② Proposed Channel

Scored Concrete

Water

③ Proposed Access Ramp

Surrounding Buildings

Shrubland

Wetland

Proposed Trees

Proposed Shrubs

Painted Warning Strip

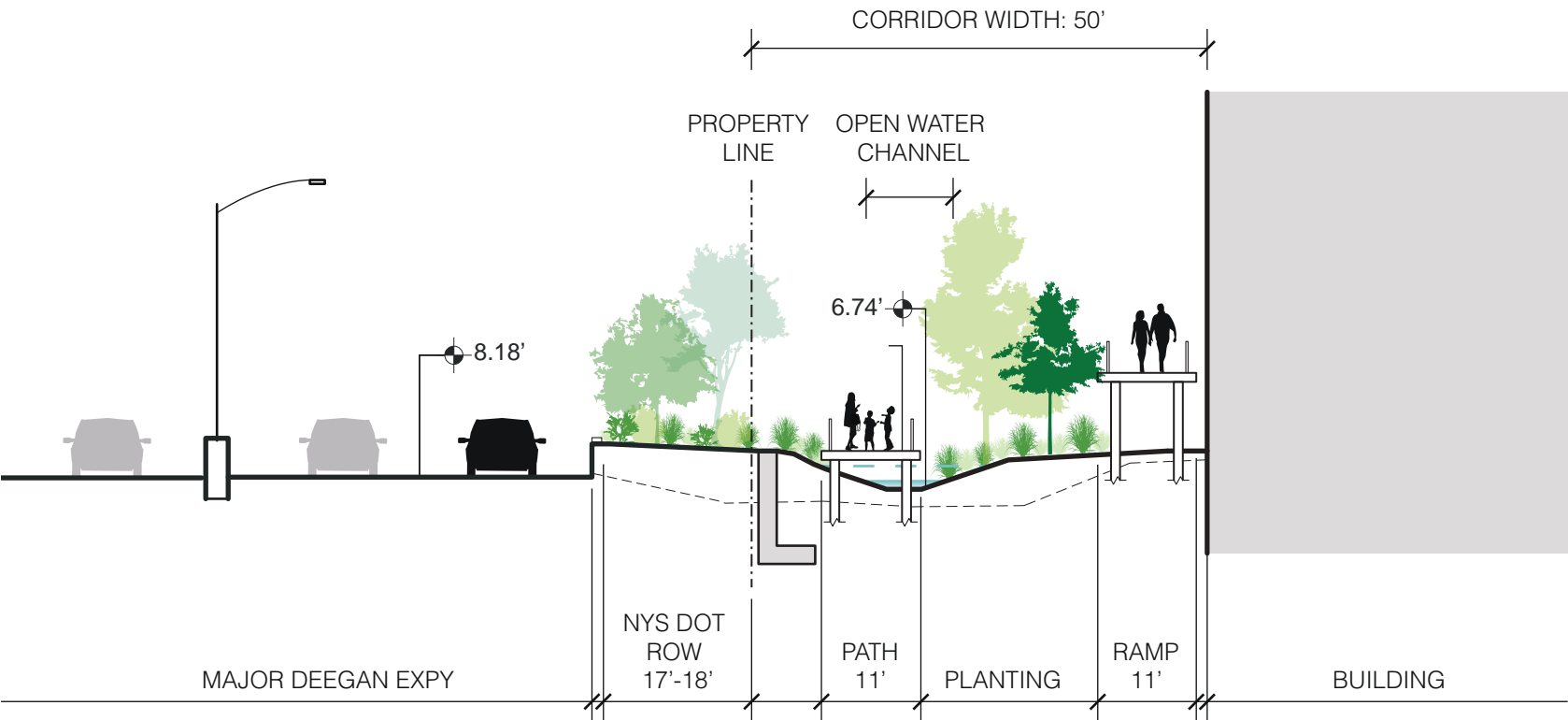
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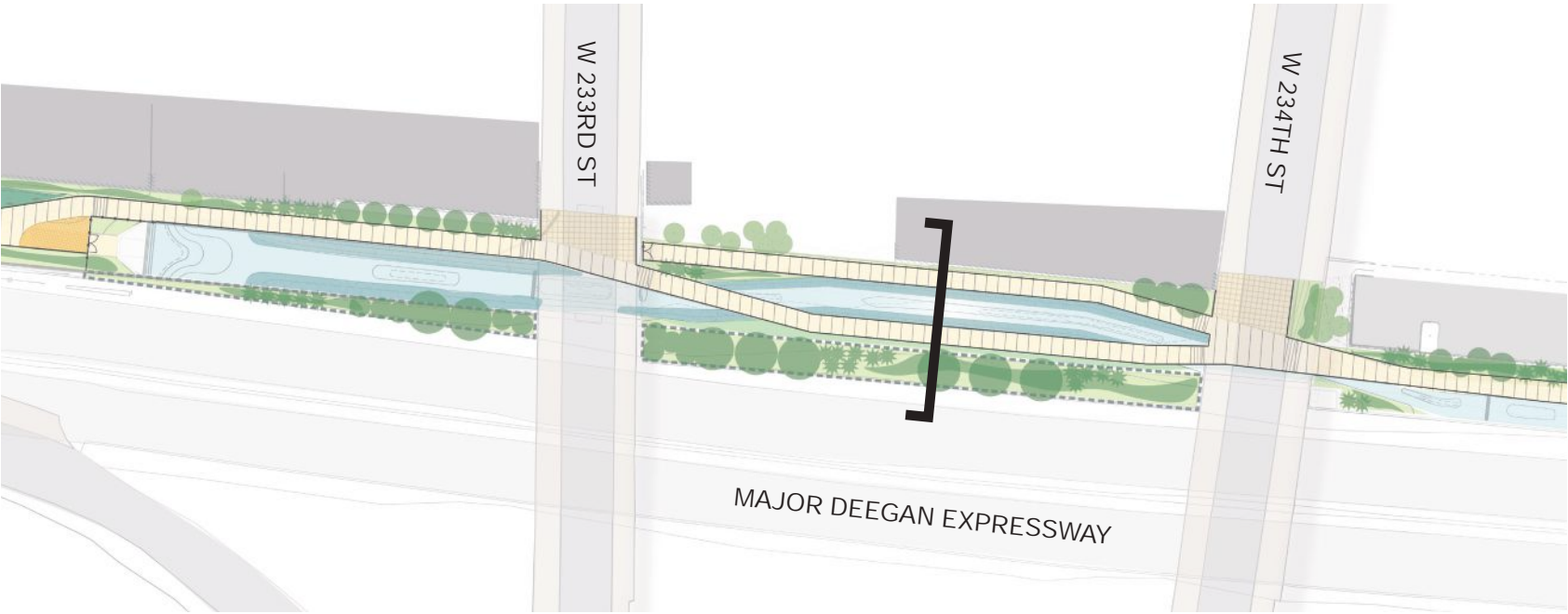
Tibbetts Brook Daylighting | W. 233rd St - W. 234th St

May 24, 2023

SECTION
Section through proposed access ramp and stream corridor



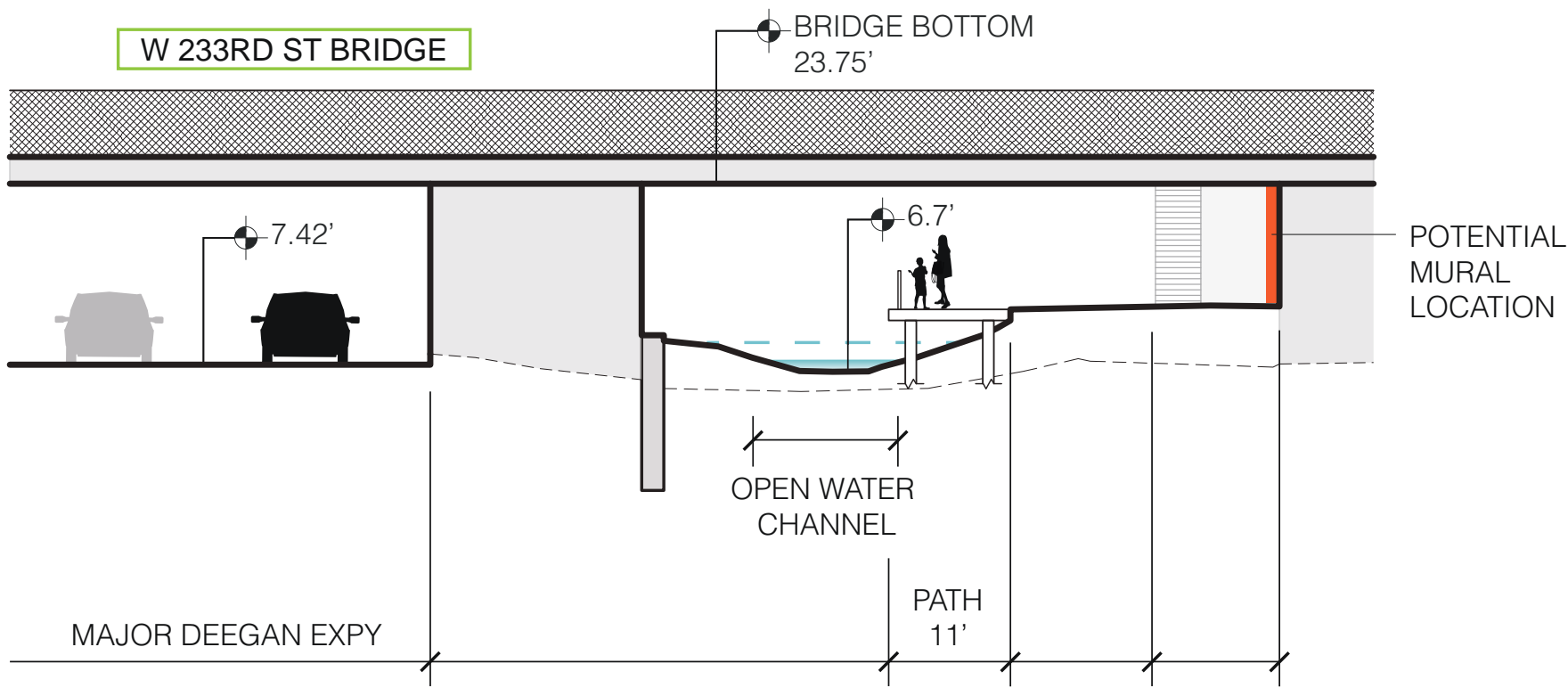
- LEGEND
- Proposed grade
 - - - Existing Grade
 - Base Flow
 - Wet Weather Flow



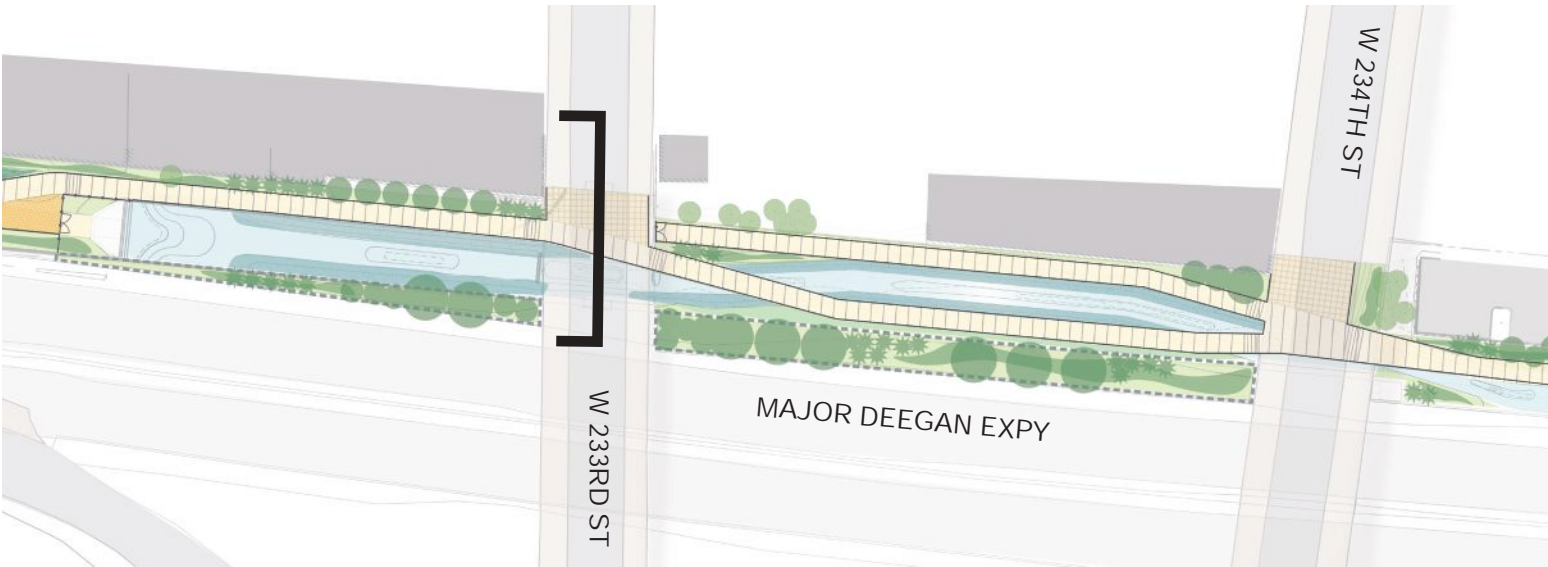
Tibbetts Brook Daylighting | Section - W. 233rd St to W. 234th St

May 24, 2023

SECTION
Section through area under W 233rd St Bridge



- LEGEND
- Proposed grade
 - - - Existing Grade
 - Base Flow
 - - - Wet Weather Flow



BRIDGE UNDERPASS



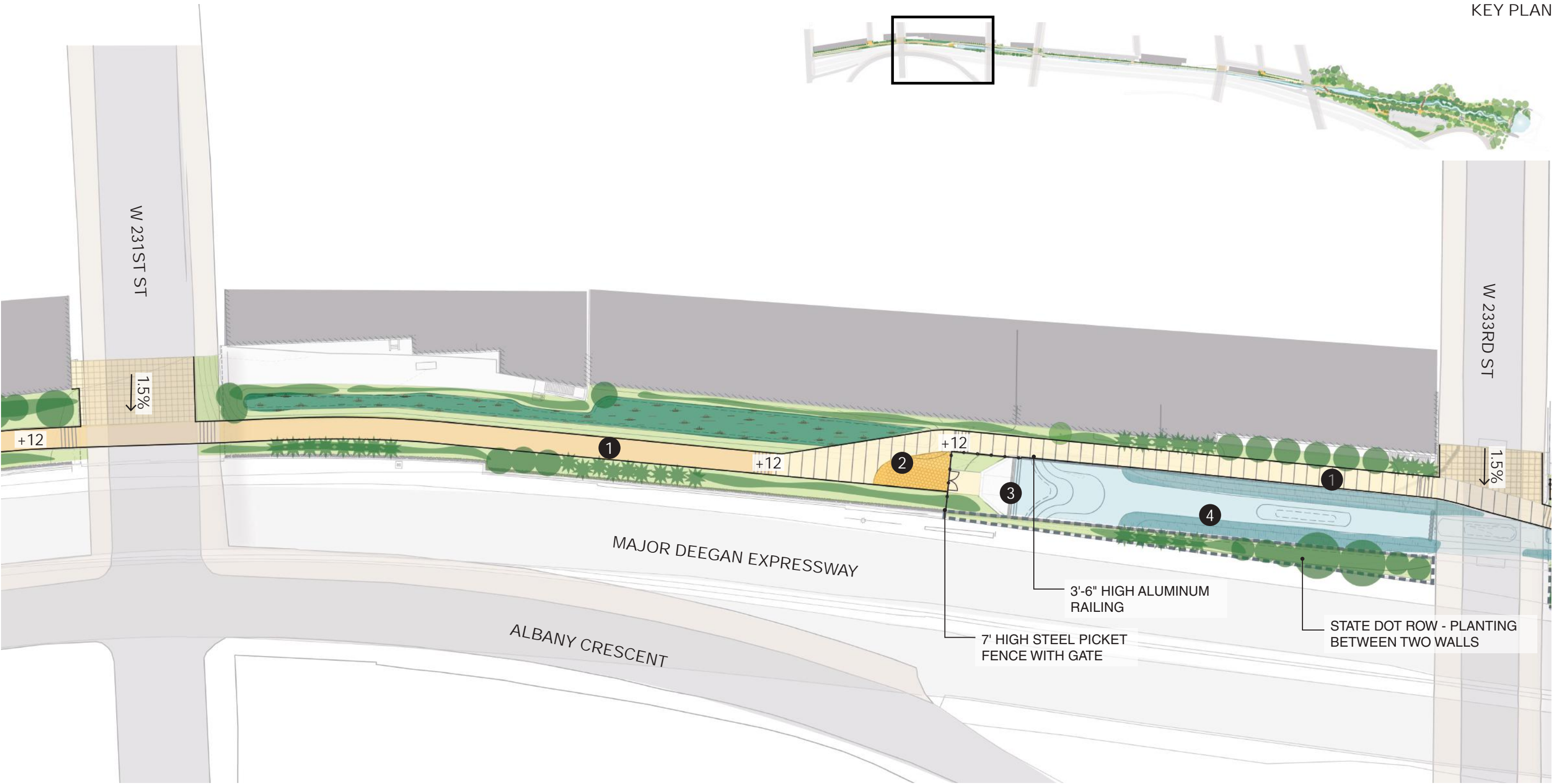
BRIDGE UNDERPASS

Tibbetts Brook Daylighting | Section - W. 233rd St to W. 234th St

May 24, 2023



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LEGEND

1 Putnam Trail

2 Proposed Deck

3 Intake Structure

4 Proposed Channel

Asphalt

C.I.P. Concrete Elevated Pathway with 42" High Handrails

Scored Concrete

Special Pavement

Surrounding Buildings

Water

Shrubland

Wetland

Proposed Trees

Proposed Shrubs

Steel Picket Fence

Gate

Painted Warning Strip

0

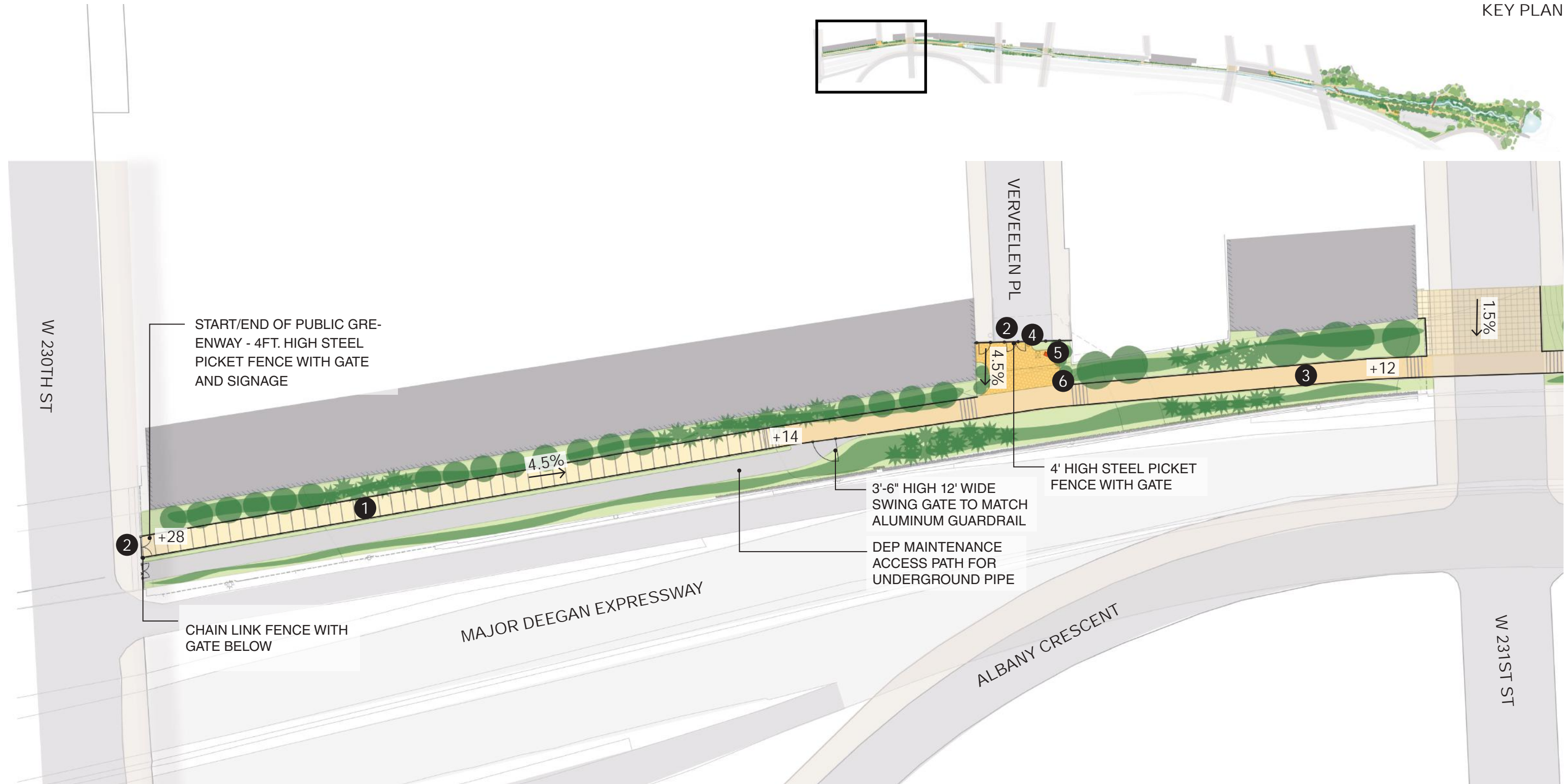
25'

50'

N

Tibbetts Brook Daylighting | W. 231st St - W. 233rd St

May 24, 2023



LEGEND

1 Proposed Ramp	2 Proposed Access Point Entrance	3 Putnam Trail	4 Trash Receptacle	5 Benches	6 Bike Racks
Asphalt	C.I.P. Concrete Elevated Pathway with 42" High Handrails	Shrubland	Scored Concrete	Proposed Trees	Steel Picket Fence
Water		Wetland	Surrounding Buildings	Proposed Shrubs	Painted Warning Strip

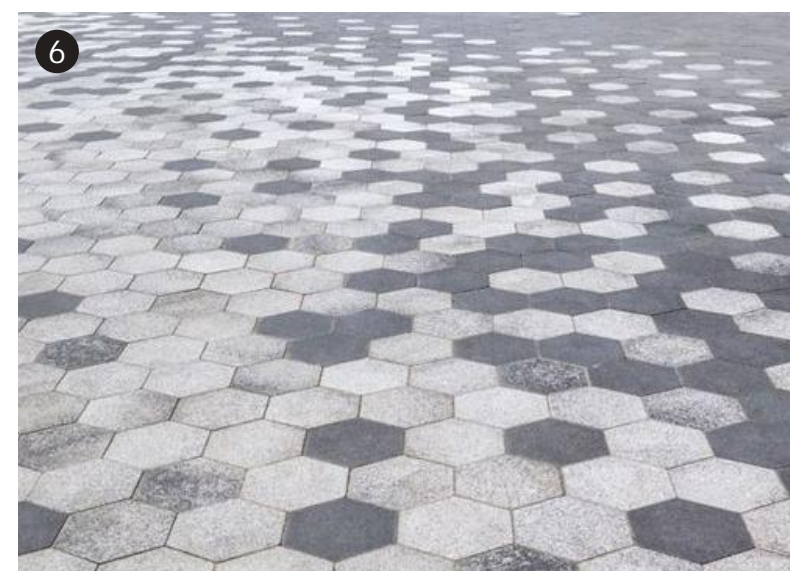
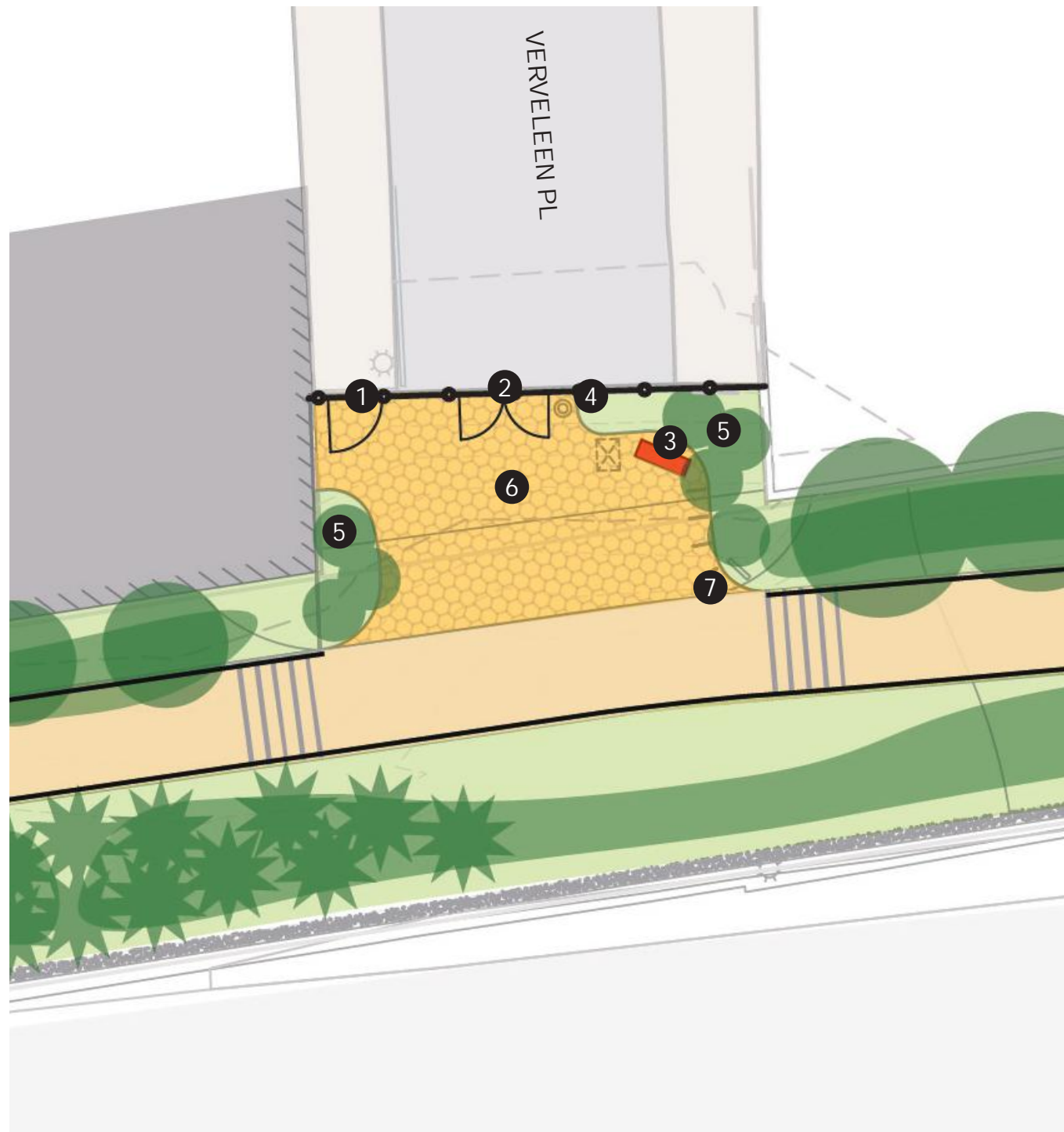
Gate

0 25' 50'

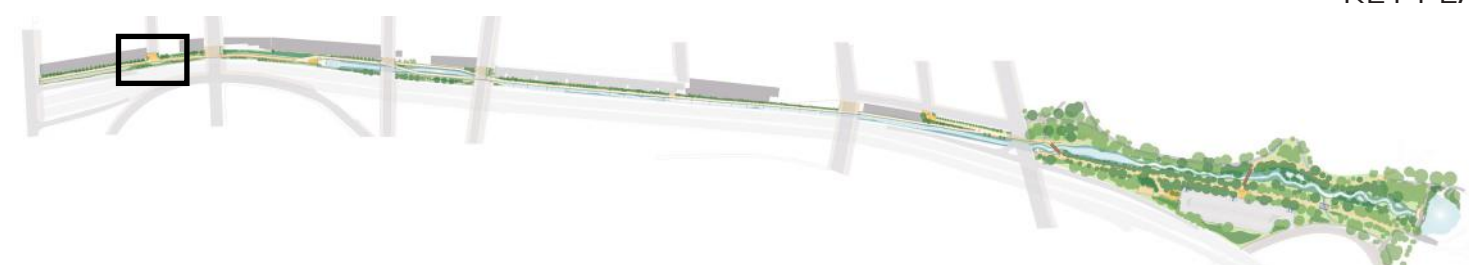
N

Tibbetts Brook Daylighting | W. 230th St - W. 231st St

May 24, 2023



KEY PLAN



LEGEND

- 1** 6 ft. wide Pedestrian Gate
- 2** 12 ft. Wide Vehicular Gate
- 3** 1964 World's Fair bench- Grey RPL slats with Companion Seating
- 4** Trash Receptacle
- 5** Plant Bed
- 6** Hex Block Pavement
- 7** Bike Racks

Tibbetts Brook Daylighting | Access Point Entrance: Kit of Parts

May 24, 2023



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Tibbetts Brook Daylighting | View North from W. 230th Street

May 24, 2023



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03 MATERIALS DEVELOPMENT – OVERALL SITE

Tibbetts Brook Daylighting

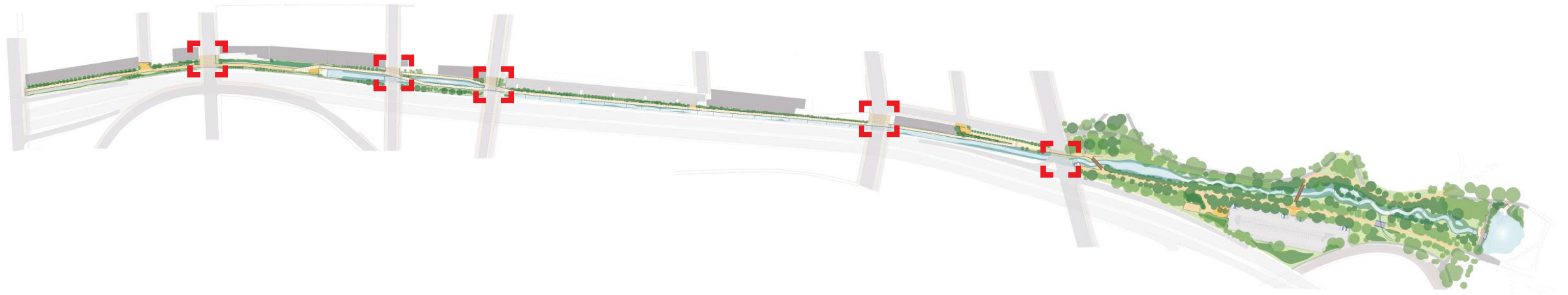
May 24, 2023



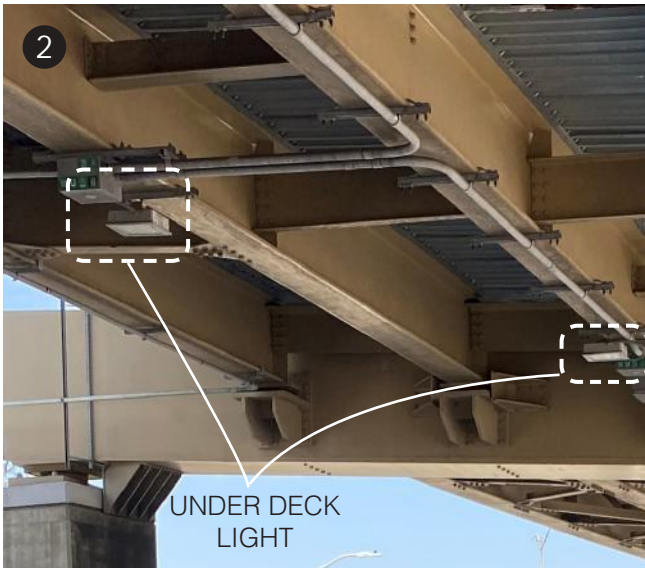
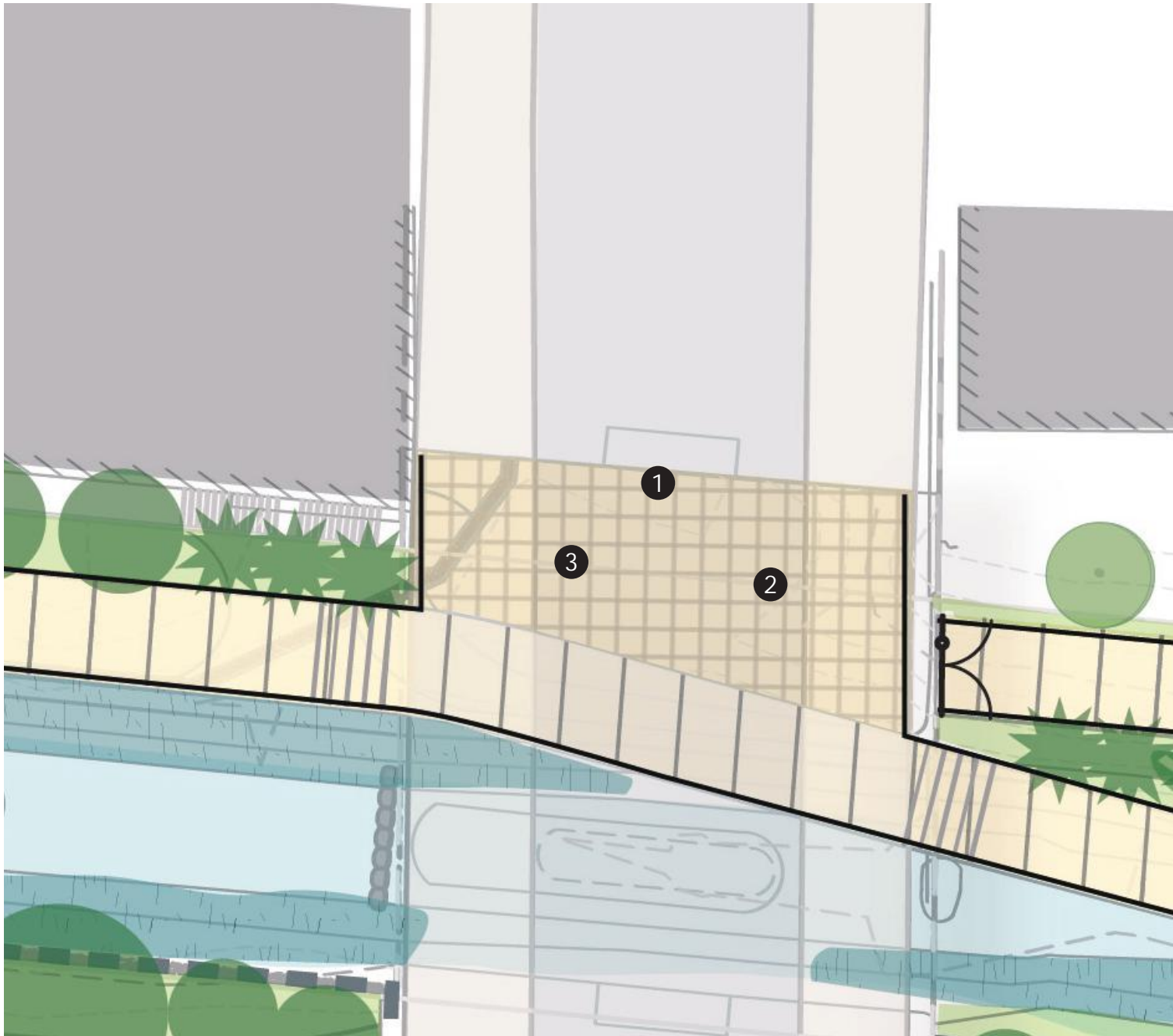
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PUBLIC ART CONSIDERATIONS

- Public art can enhance the trail experience and is an important means to bring community members into the trail experience.
- The City has robust temporary art programs that could help facilitate art in the corridor and showcase local artists' work.
- How does the design anticipate areas for temporary installations?
- Space under bridges present unique spaces that would benefit from animation through public art.



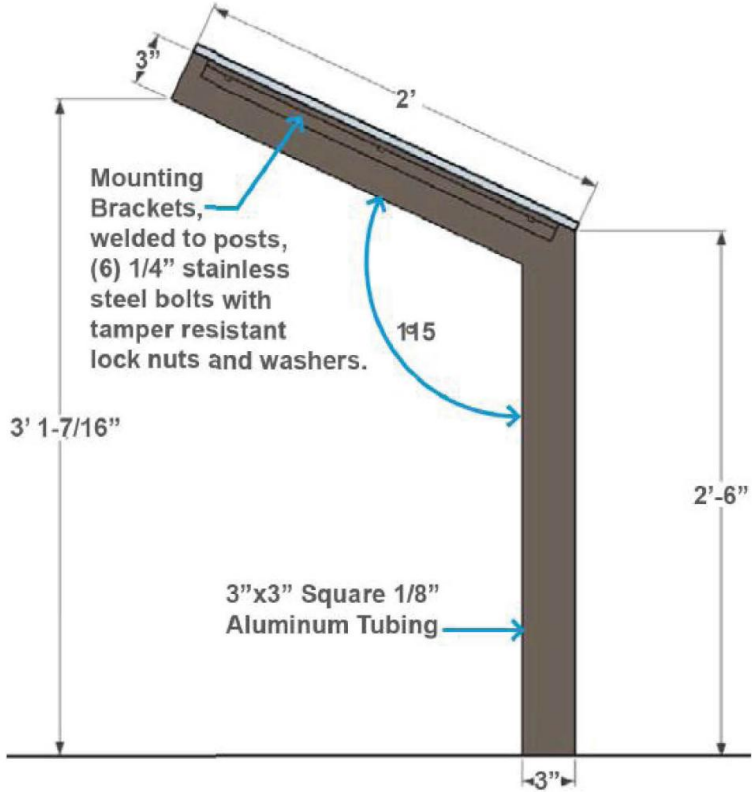
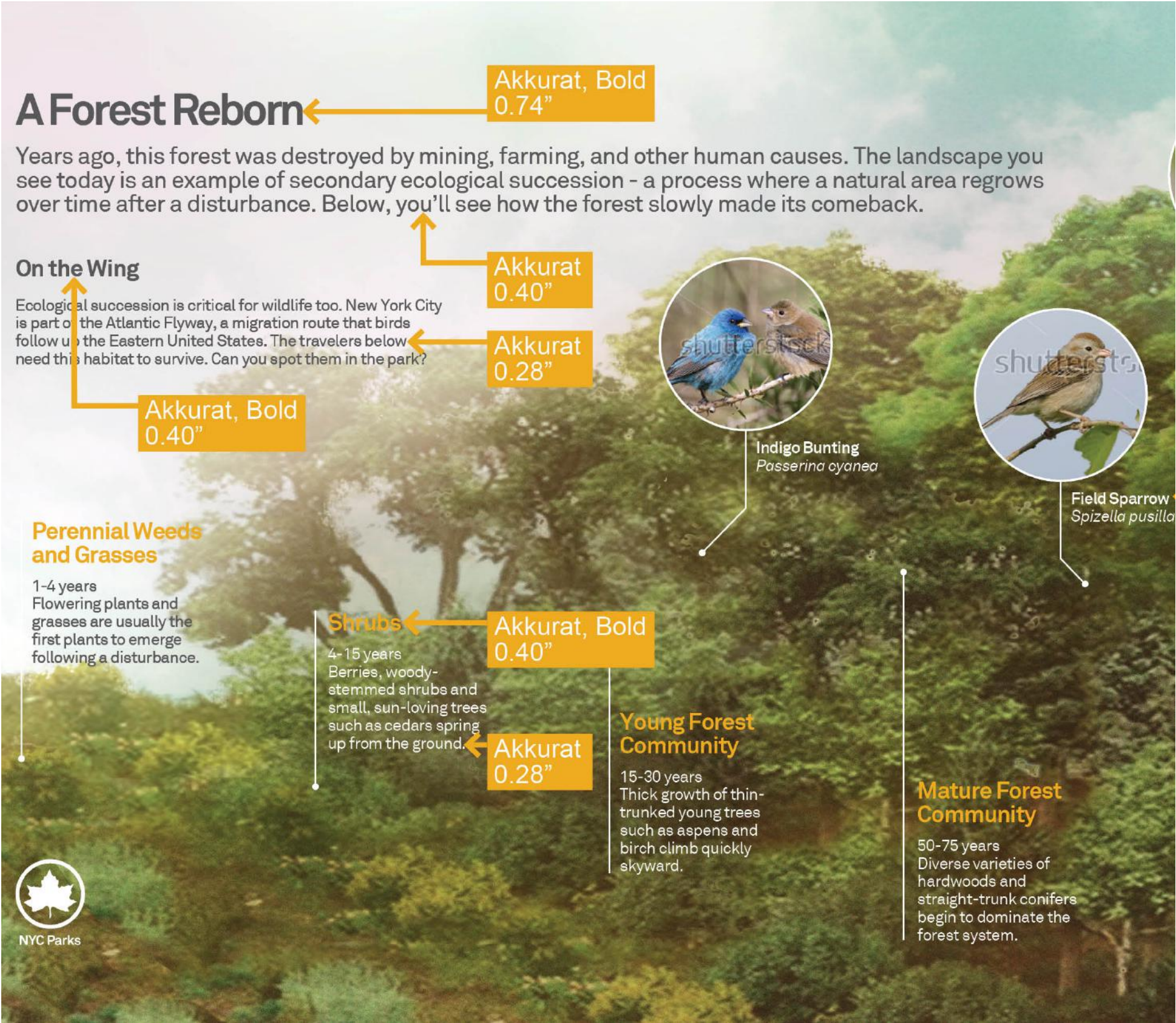
Art Opportunities Areas - Plan



LEGEND 1 Potential Mural Location 2 STD. DOT Underdeck lighting 3 CIP Concrete Pavement

Tibbetts Brook Daylighting | Under Bridge: Kit of Parts

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Tibbetts Brook Daylighting | Interpretive Signage Standard Template

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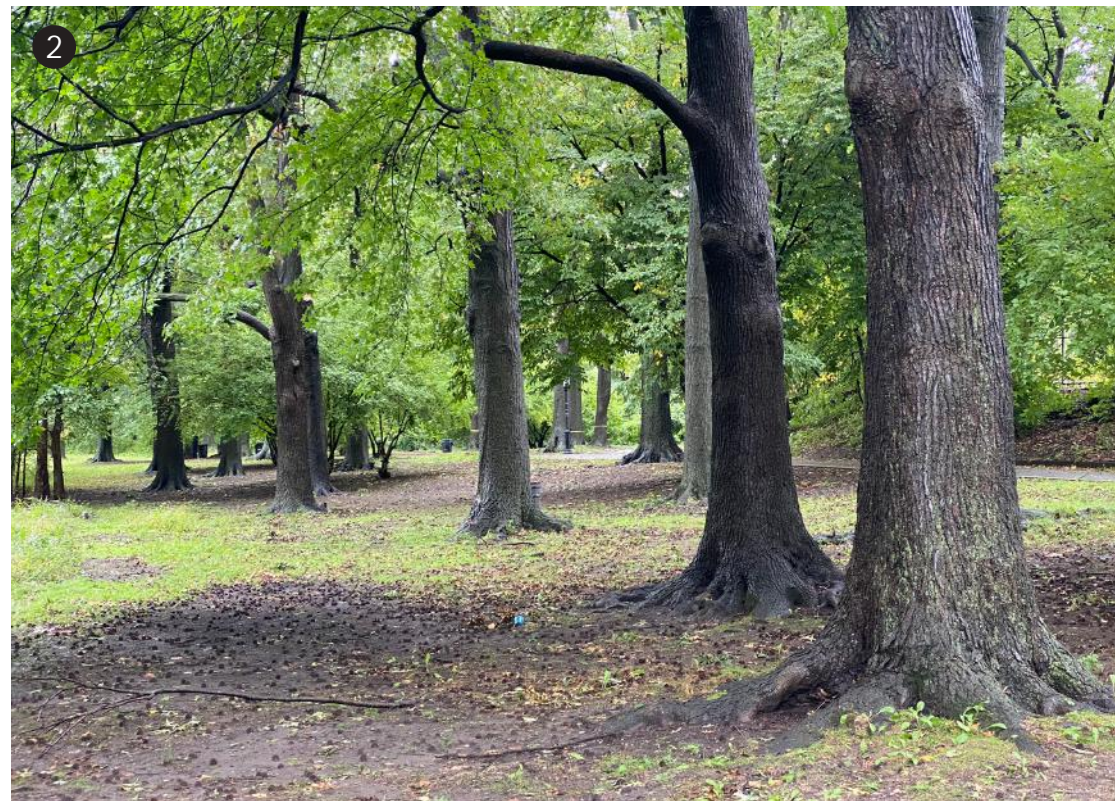


Tibbetts Brook Daylighting | Standard Greenway Signage

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The stream corridor has varying micro-climates from the rich shady banks of the existing water bodies of Van Cortland Park to the open, hot, dry, and exposed edges of the Major Deegan Expressway.

The plant palette has been selected to thrive in these diverse conditions, providing shade, buffers against high walls & habitat.

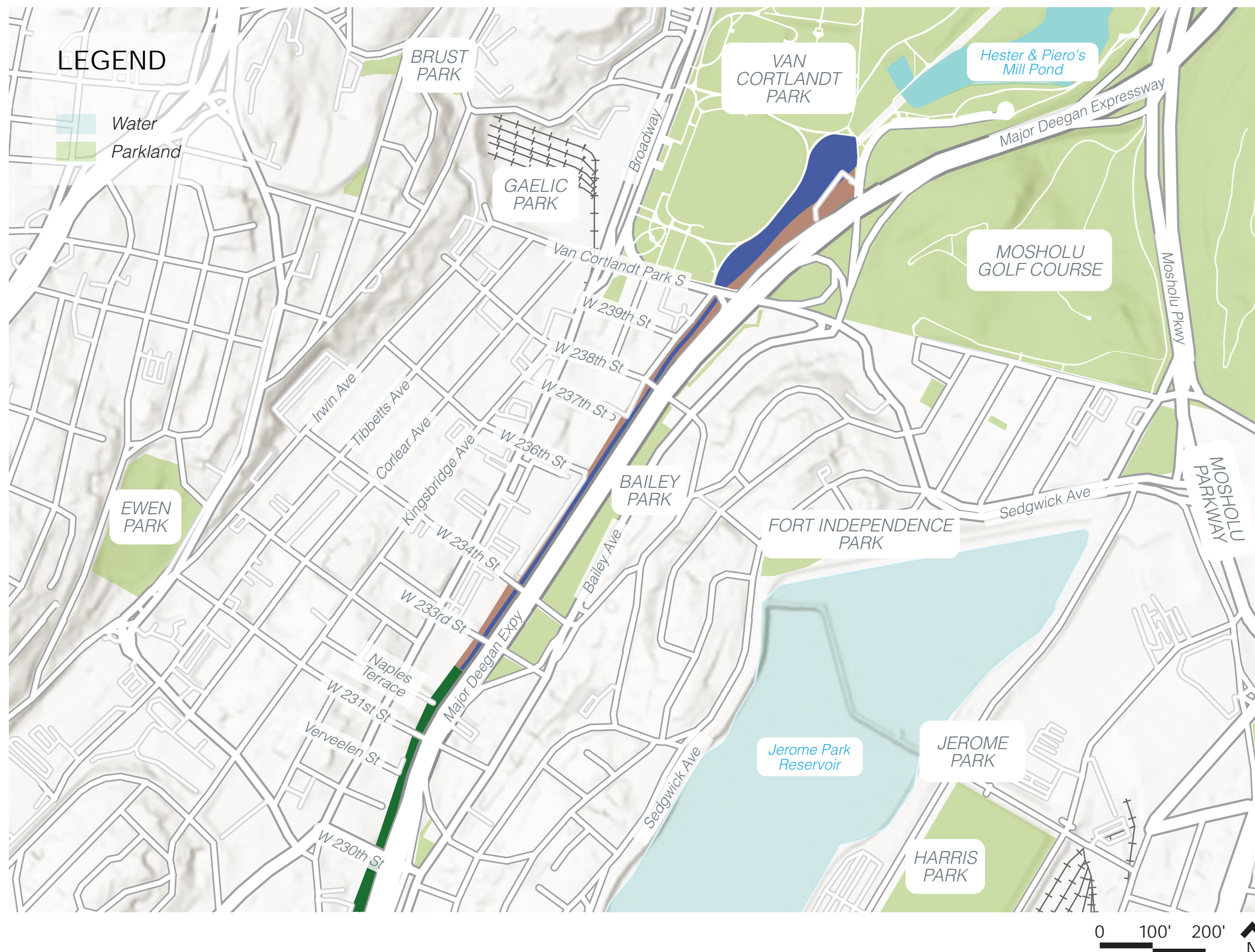
- 1 Van Cortland Park-Wetlands
- 2 Van Cortland Park-Upland Forest
- 3 CSX - Hydrological Corridor
- 4 CSX - Upland Urban Margins

Tibbetts Brook Daylighting | Ecosystems & Micro-climates

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The site's proposed ecology can be studied in four main categories:

- Freshwater Wetland**
 - Low lying area along stream corridor. Constructed wetlands with water levels that fluctuate seasonally, the base flow always with water. Riparian edge.
- Forested Wetland**
 - Woody plant community occurring along the fringes of the corridor, tolerate occasional inundation, help to shade out invasives.
- Urban Upland Forest + Stormwater Tolerant Plants**
 - Plant communities characterized by the open exposed environment of the CSX corridor.
 - Plant palette is dominated by woody plant species that can help to stabilize imported soils with stoloniferous root systems.
 - Select tree plantings for shade where allowed as permitted in relation to NYC DEP daylighting infrastructure.

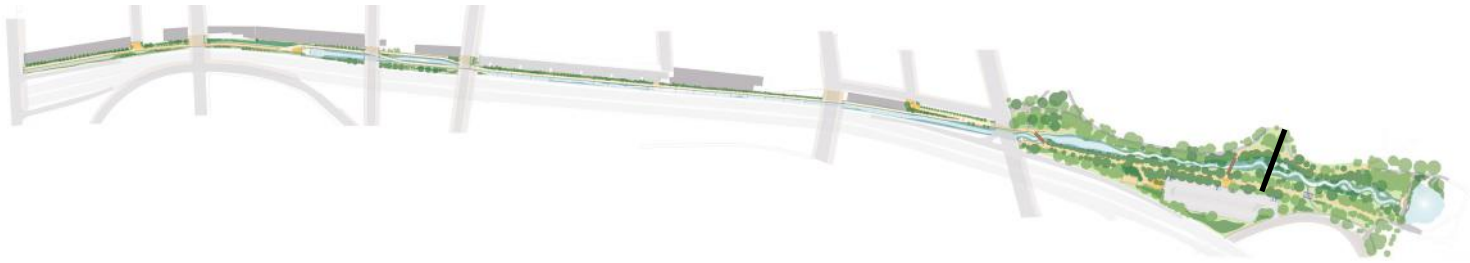
* ECOSYSTEM DEFINITIONS DERIVED FROM "NATIVE SPECIES PLANTING GUIDE FOR NEW YORK CITY"

Tibbetts Brook Daylighting | Ecological Zones - Proposed

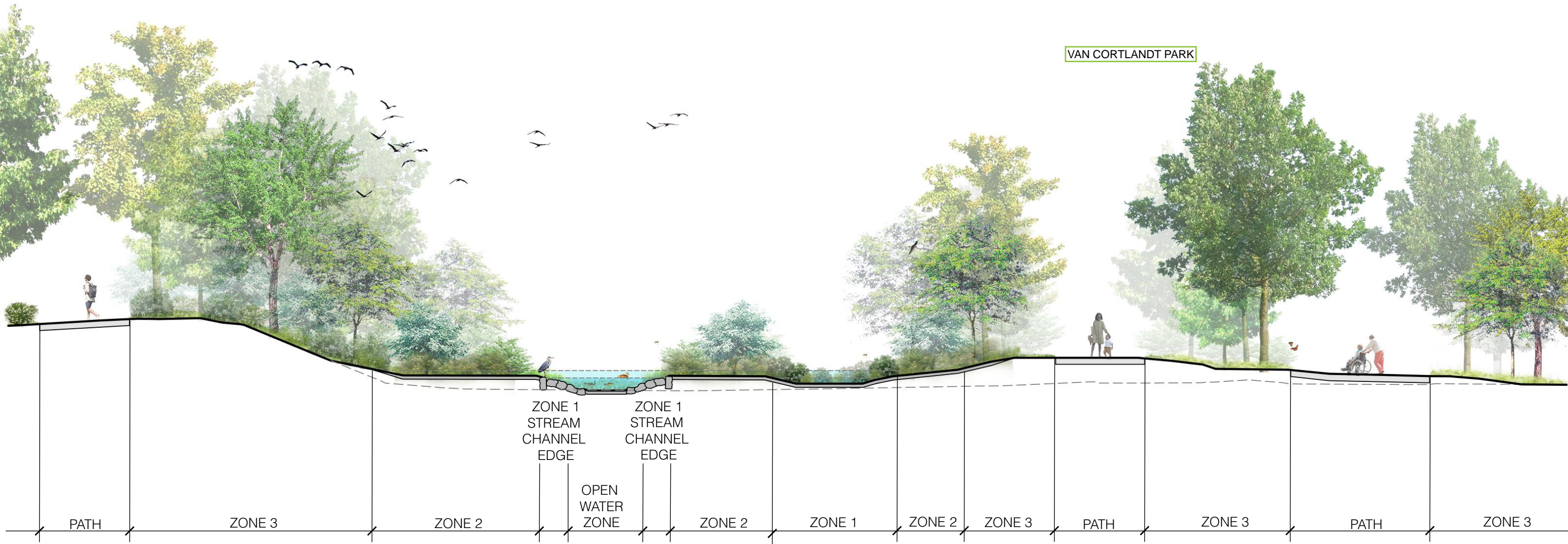
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VAN CORTLANDT PARK



Tibbetts Brook Daylighting | Micro Environments - VCP

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Freshwater wetland species common to the lowest elevations of the hydrological corridor and adjacent flood plains include the following types of herbaceous species:

- Sedges
- Grasses
- Forbs

- ① *Carex crinita* - Fringed Sedge
- ② *Scirpus cyperinus* - Three Square
- ③ *Carex stricta* - Tussock Sedge
- ④ *Pontederia cordata* - Pickerel Weed



Upland plants for VCP tolerate shade and frequent inundation, provide habitat and help to stabilize slopes with suckering root systems, can compete with invasives include the following woody species:



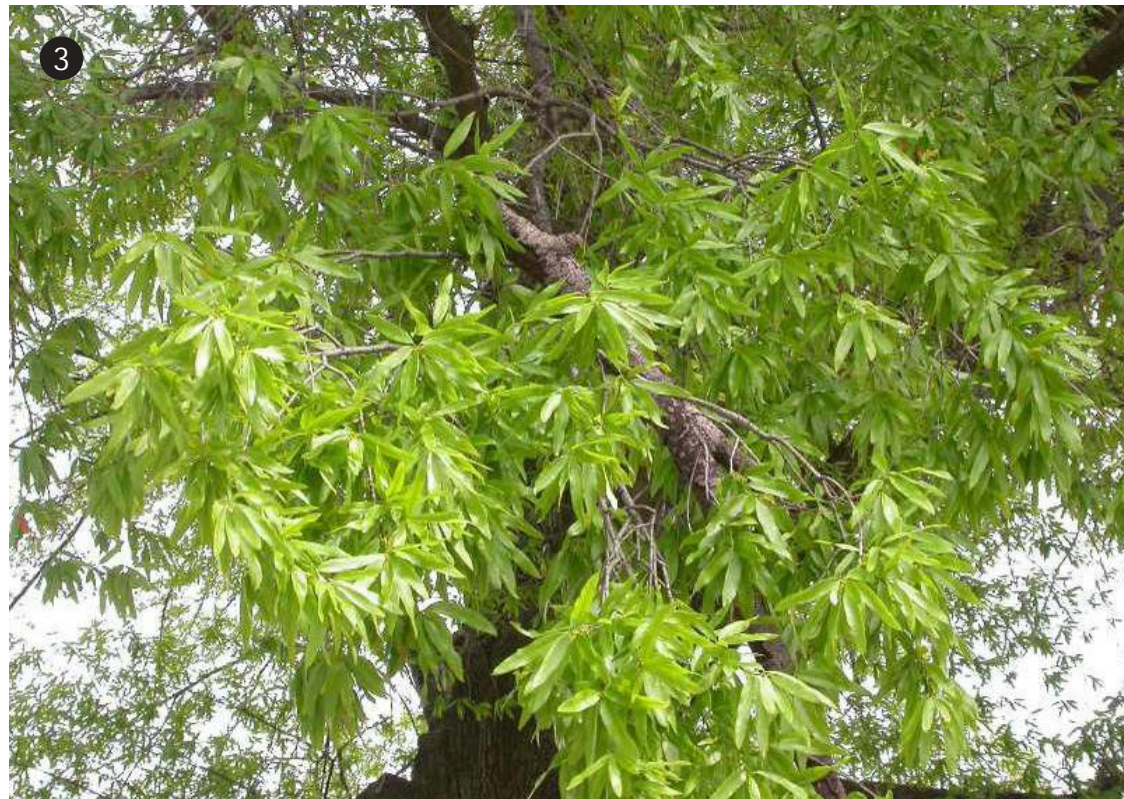
- ① *Cephalanthus occidentalis* - Button Bush
- ② *Cornus amomum* - Silky Dogwood
- ③ *Salix discolor* - Pussy Willow
- ④ *Sambucus canadensis* - Elderberry

Tibbetts Brook Daylighting | Floodplain Shade - Zone 2

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Understory and canopy trees adapted for Van Cortlandt Park environment.

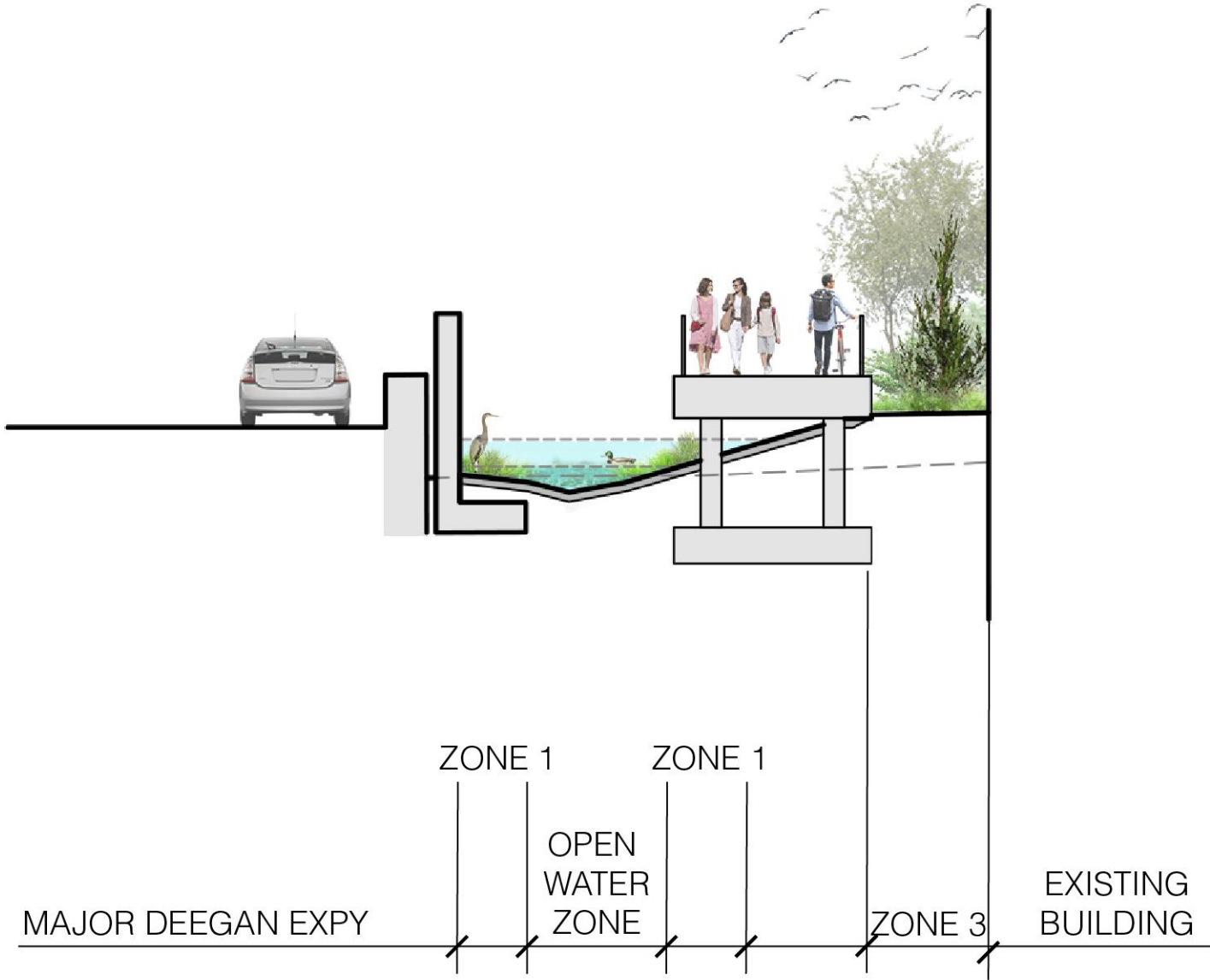
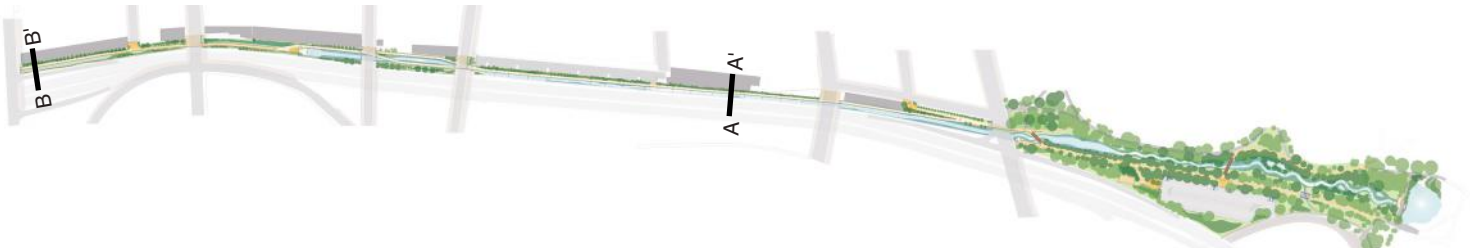
- ① *Nyssa sylvatica* - Black Gum
- ② *Alnus serrulata* - Smooth Alder
- ③ *Quercus* sp. (*bicolor*, *palustris*, *phellos*)
- ④ *Amelanchier canadensis* - Shadbush

Tibbetts Brook Daylighting | Floodplain Forest - Zone 3

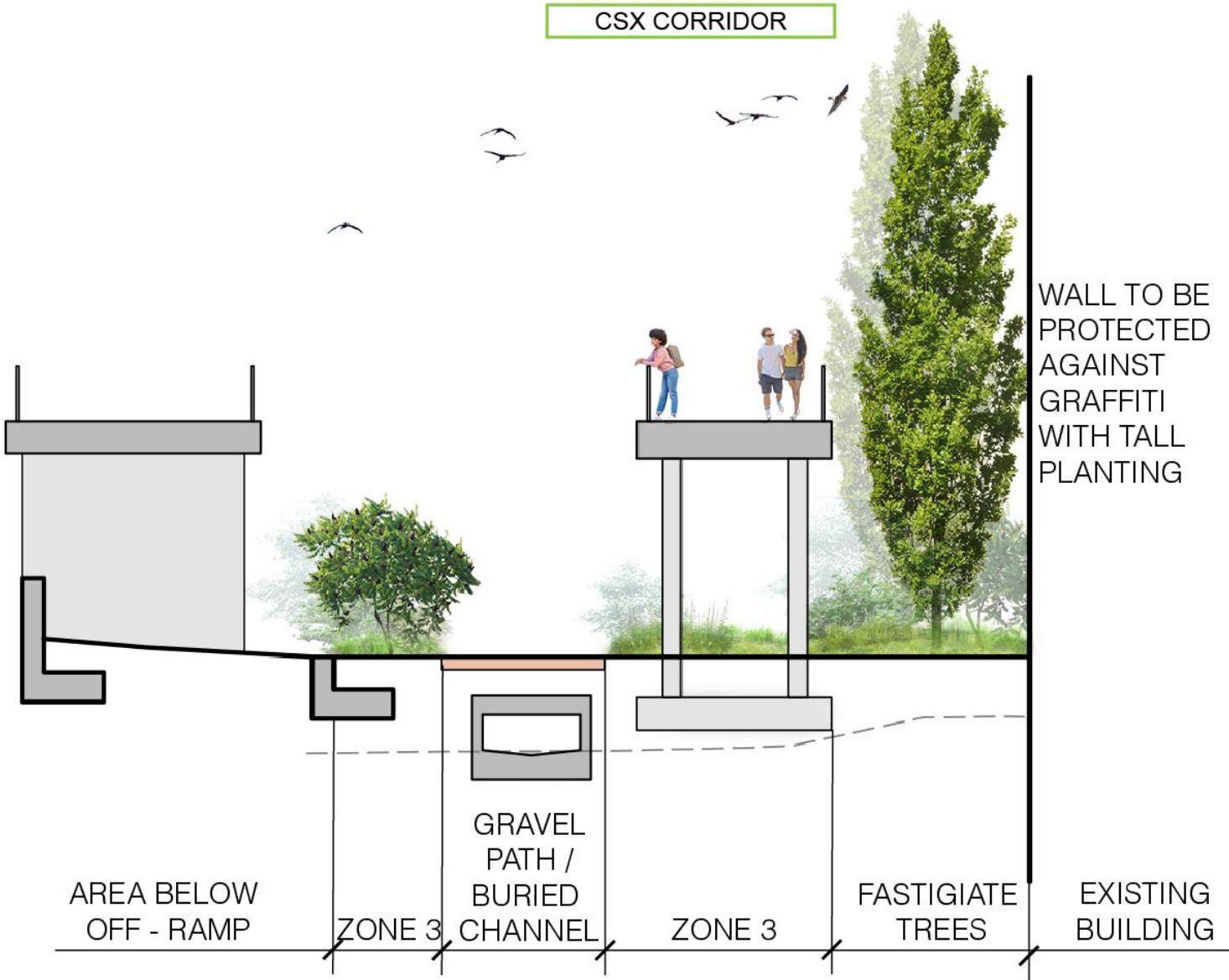
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Narrow section A-A' in CSX Corridor with open channel and elevated path



Section B-B' in CSX Corridor with closed channel and elevated path

Tibbetts Brook Daylighting | Micro Environments - CSX

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Desirable characteristics of the upland landscape include ease of establishment, ability to compete with invasive species, upright growth habit to fit in the narrow corridor, stoloniferous root systems, adaptability to drought and inundation.

- ① *Aronia melanocarpa* - Chokeberry
- ② *Baccharis halimifolia* - Groundsel Bush
- ③ *Rhus sp. (copallinum, typhinia)* - Sumac
- ④ *Morella pennsylvanica* - Bayberry

Tibbetts Brook Daylighting | Urban Upland CSX - Zone 3: Shrubs

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Trees can be planted within the CSX area where planting beds are a minimum of 6' from the open channel. Access points should have tree plantings for shade, walls can be buffered with upright species.

- ① *Celtis occidentalis* - Hackberry
- ② *Acer rubrum* - Red Maple
- ② *Quercus phellos* (*Climate Forward*)
- ② *Quercus palustris* - Pin Oak (*Green Pillar variety - Fastigiate oak for narrow wall buffer plantings*)

Tibbetts Brook Daylighting | Urban Upland CSX- Zone 3: Trees

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1. Will there still be a waterfall in Hester and Piero's Mill Pond?

There will be limited flows to the existing weir, but flowing water will be visible in the newly created stream on the south side of the lake path.

2. Will the new stream support wildlife?

Yes, the freshwater stream will support flora and fauna suitable for this ecosystem.

3. Will this project manage the 5-year design storm?

Yes, the proposed project is designed to convey the 5-year design storm, and the existing outfall has sufficient capacity to convey this flow.

4. How much CSO reduction is expected with this project?

215-220 million gallons per year of reduced CSO overflows to the Harlem River.

5. Will this project eliminate overtopping of Hester and Piero's Mill Pond?

No, this project will not eliminate overtopping during extreme events, due to the large tributary area to the lake. Under current conditions, the lake does not overtop with a 10-year, 24-hr (5.1 inches total) storm event. Our project maintains the same level of service.

6. Will a sound barrier be installed along the Major Deegan?

The Tibbetts project team is considering multiple factors to optimize project goals and strike a balance between hydrology, ecology, and user experience along the corridor. The project team is still in discussions with NYS DOT but at this juncture, it was determined that a sound barrier is not required for this project. The project design will however, include vegetation planted along the highway boundary within the corridor, with denser/woodier vegetation where space permits, making up approximately 50% of the frontage.

7. Would this project be in conflict with extending the greenway south of W. 230th Street?

No, our project will not preclude any extension of the greenway through the Metro North property by others. NYC DOT is currently studying potential routes for future extensions to this greenway.

8. What will the pedestrian experience be like along the CSX Corridor?

Due to the limited width available in the CSX corridor, the greenway will be primarily for active movement, with a few places to pull to the side and rest or observe the stream channel below. The corridor will have lights, vegetation, and locations for temporary art below the bridge overpasses. Vehicles on the Major Deegan will be visible and audible from the corridor.



Tibbets Brook Daylighting and Greenway

Bronx, NY

NYC Parks



**Environmental
Protection**

May 24, 2023

Community Board 8 Meeting

CRO-AGS Croton Above Ground Structure Bronx Community Board Presentation

Department of
Design and Construction

CRO-AGS Croton Water Filtration Plant
Above Ground Structure & Landscaping
DPR Facilities
May 24, 2023

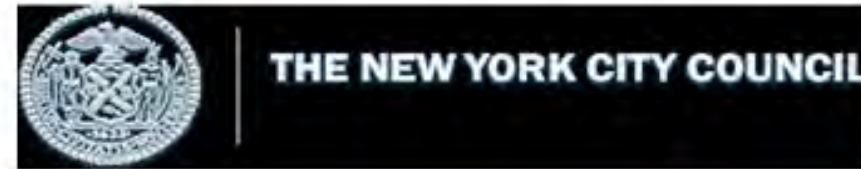
Eric Adams
Mayor

Thomas Foley, P.E.
Commissioner



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Construction Management, PE PC.
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PUBLIC PARTNERS

May 24, 2023



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GRIMSHAW



AGENDA

Welcome

Project Summary

Scope of Work

Current Progress

Progress Photos

Project Summary

- Project Name:
 - Croton Above Ground Structure and Landscaping
- Project ID Number:
 - CRO-AGS/HED-CLUB
- Contract Value:
 - \$83,824,574.00
- Project Location:
 - 3651 Jerome Avenue, Bronx, New York
- Anticipated Completion Date:
 - Q2 2024
- The Croton Water Treatment Plant, New Above Ground Structure and Landscape is being undertaken as the fourth and final phase of the larger DEP Croton Water Treatment Plant in Van Cortlandt Park in The Bronx.
- This fourth phase of the project is a new building and site work project on an 11.6 acre site encircling the new golf driving range; the new work includes: a new golf club house (approximately 16,000 SF); driving range with (55) tee boxes; gabion walls and landforms; excavation and regrading; hardscape and plant materials; surface parking; pedestrian and golf cart paths; on-site storm water collection/water filtration and water management systems to be interconnected to irrigate the site and surrounding golf course; new utilities.
- **Sponsor Agency:** NYC Dept. of Environmental Protection
- **Managing Agency:** NYC Dept. of Design & Construction
- **Owner of completed facility:** NYC Dept. of Parks & Recreation
- **Architect of Record:** Grimshaw Architects, P.C (GA)
- **General Contractor:** C&L Contracting Corp (C&L).
- **Construction Manager:** LiRo Program and Construction Management PE P.C. (LiRo)

Current Progress

Work Activities

- Structural – Parapet installation
- Architectural - Installation of Face Stone at Exterior of Building, Eave framing, and Waterproofing
- Mechanical – First Floor Ductwork
- Plumbing – Irrigation piping, irrigation pump installation, and water/sewer street connection.
- Electrical – Tee box wiring, fire alarm wiring, and basement lighting
- Landscaping – Tree planting, Topsoil Grading, Lighting pole installation, and Flagpole Installation

Delay Reasons

- Covid
 - Supply chain issues.
 - Personnel shortages.
- Field Conditions
 - Additional bedrock removal.
- Design Changes
 - Replacing obsolete equipment.
 - Changes for radial building complications.
 - Structural modifications to address updated loads.
- Utility Issues
 - Water/Sewer connection finding unknown piping.
 - ConEd
 - Need ConEd to install a new electric service pole.
 - Need ConEd to install the gas line connection.



Progress Photos



Building Eave Framing

Progress Photos



First Floor Ductwork

Current Progress



Water/Sewer Test Pit



Trees and Lighting Poles

Progress Photos



Tree and Shrub Planting

Progress Photos



Landscaping



Bench Installation

View of outdoor seating/common area



View of Concession Area



View from Jerome Avenue



Progress Photos

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THANK YOU!

For questions or concerns please feel free to reach out to:

Anna Killion

Outreach Coordinator , DDC Office of Community Outreach & Coordination

KillionAn@ddc.nyc.gov

347-622-0423

