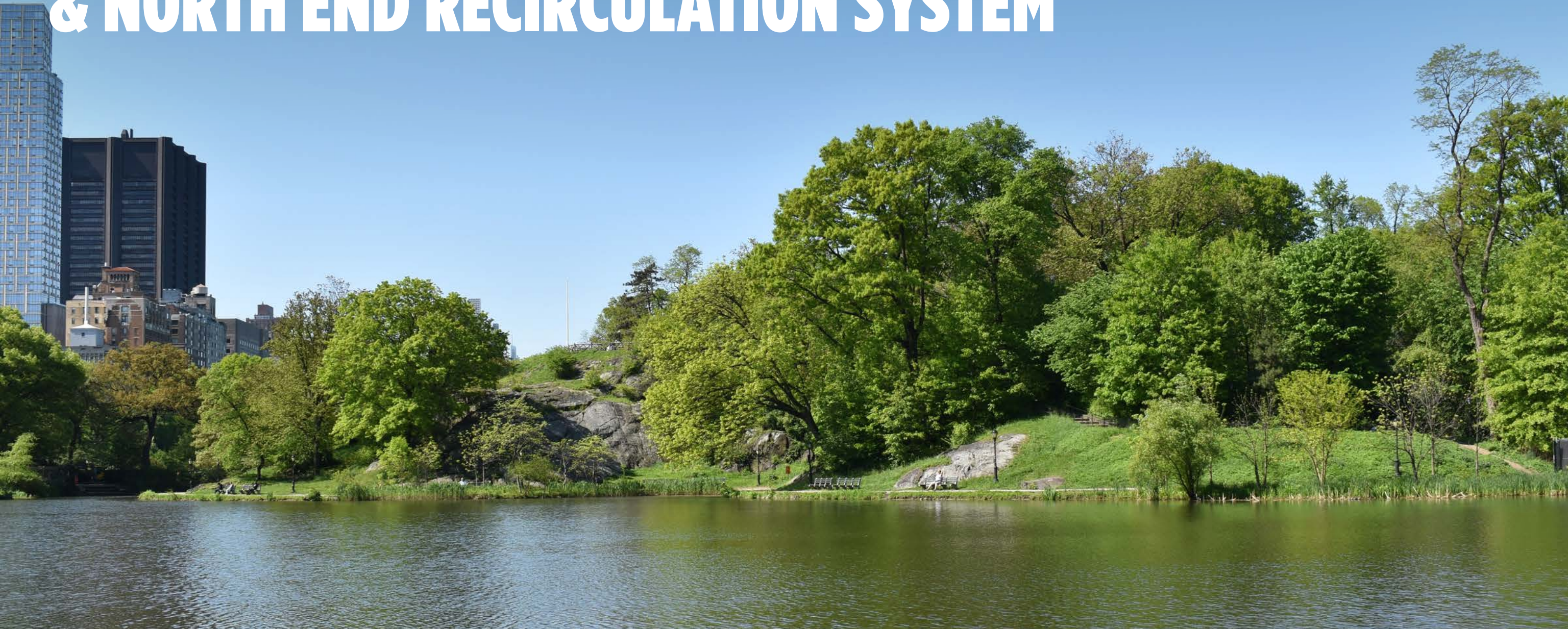
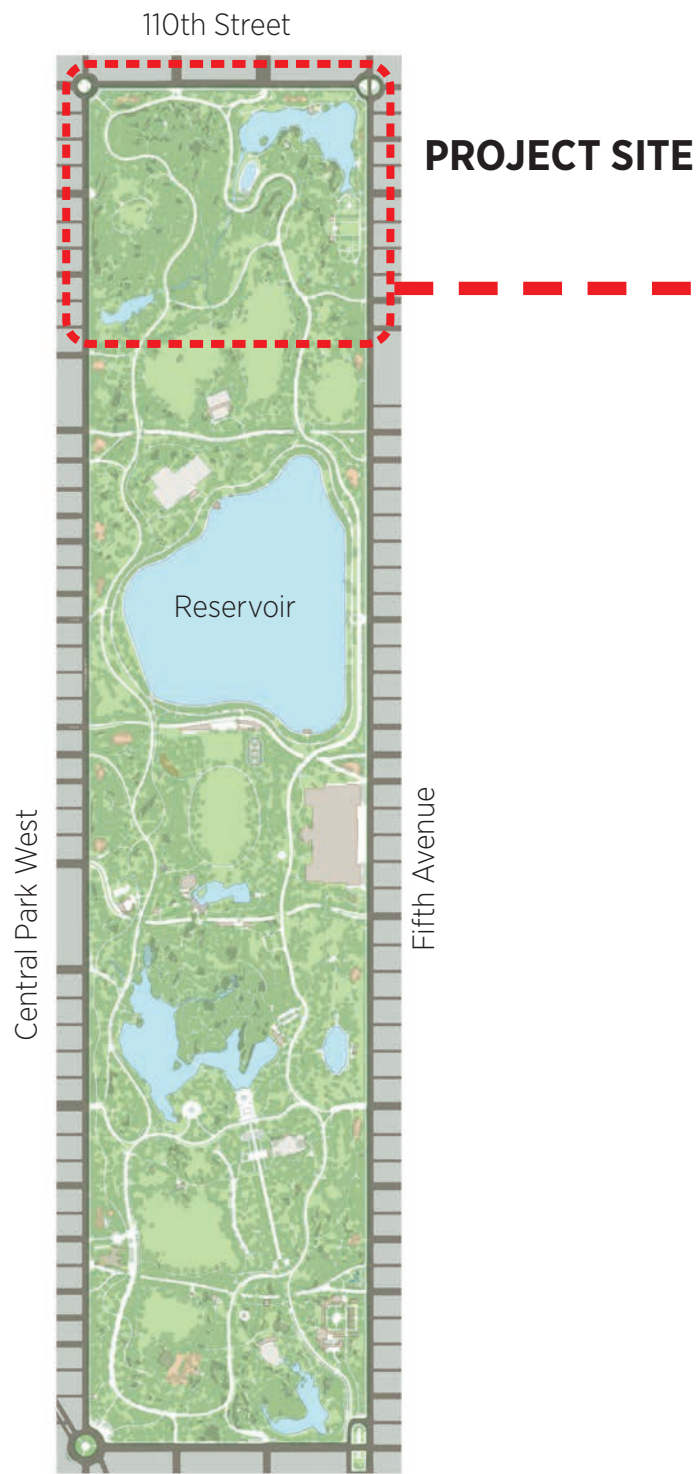


# RESTORATION OF THE HARLEM MEER SHORELINE & NORTH END RECIRCULATION SYSTEM





# COMPREHENSIVE HARLEM MEER PLAN

- 1 HARLEM MEER CENTER AND BOARDWALK, PHASE 1 (UNDER CONSTRUCTION)
- 2 HARLEM MEER SHORELINE RESTORATION AND BOARDWALK, PHASE 2
- 3 NORTH END RECIRCULATION SYSTEM















# PROJECT GOALS

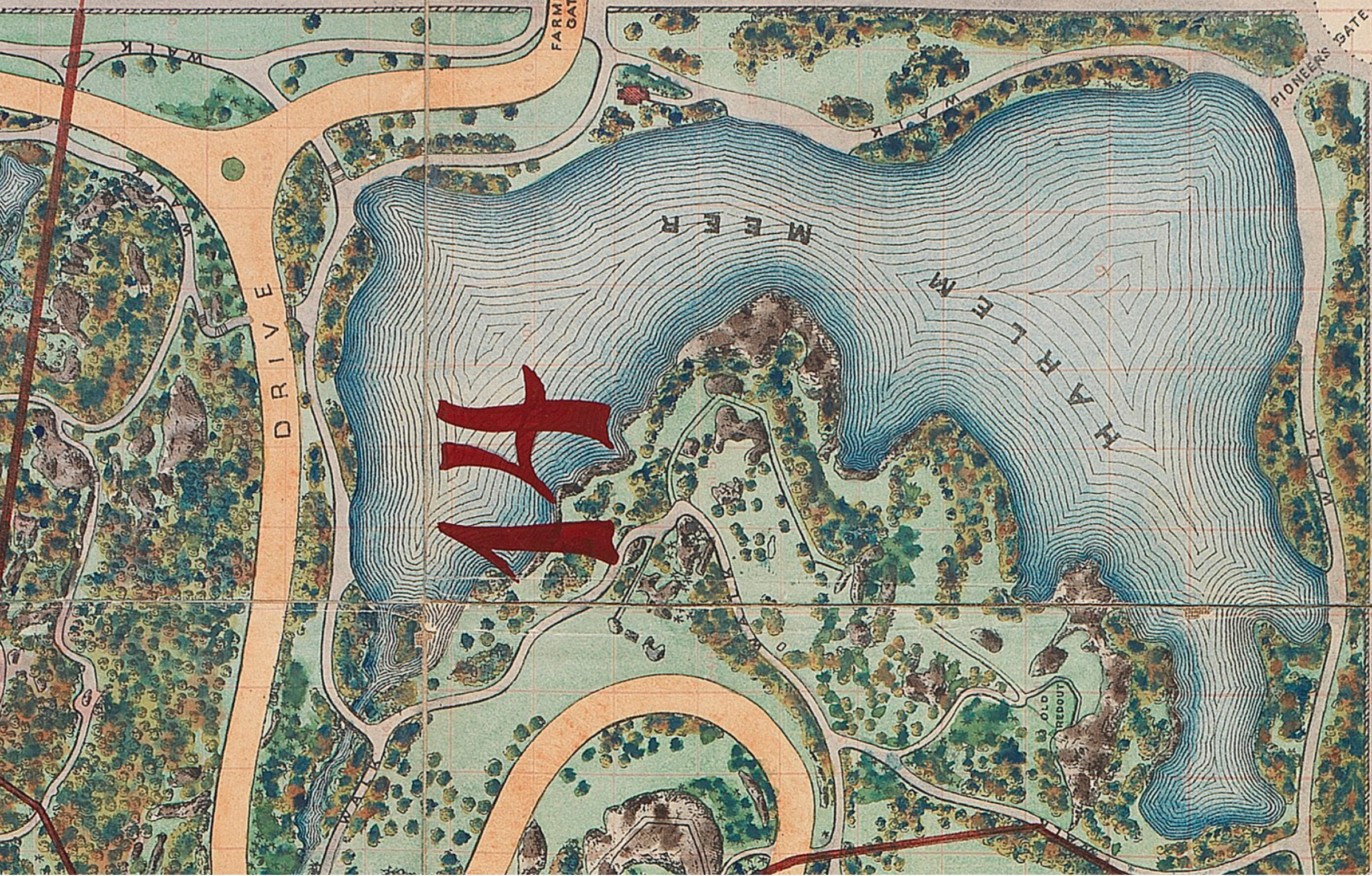
**Continued restoration** of the Harlem Meer and shoreline to its **historic character**

**Reduce water use and flooding while increasing water quality** through the implementation of a water recirculation system and aquatic planting

**Support wildlife habitat** through naturalizing the shoreline and expanding the waterbody surface

**Improve ADA access** to the waterfront and Park programs including the Harlem Meer Center, Dana Center, and playgrounds

# **RESTORATION OF THE HARLEM MEER SHORELINE**



109th St.
108th St.
107th St.
106th St.

F. L. Olmsted  
Calvert Vaux







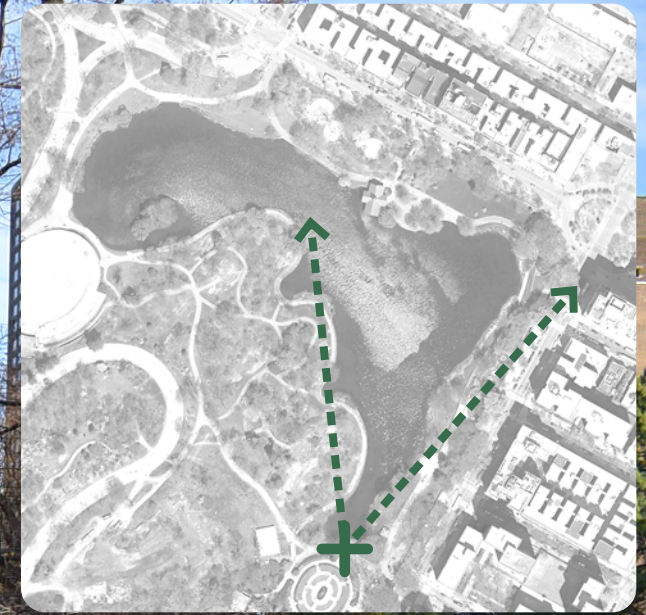






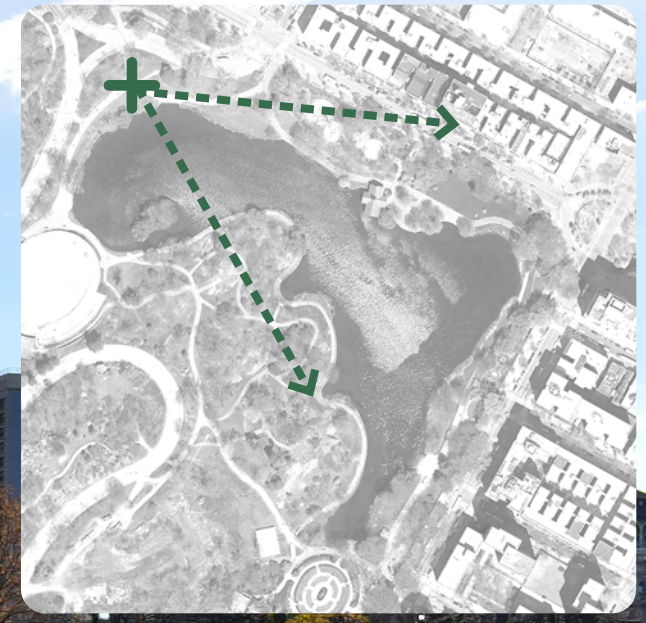


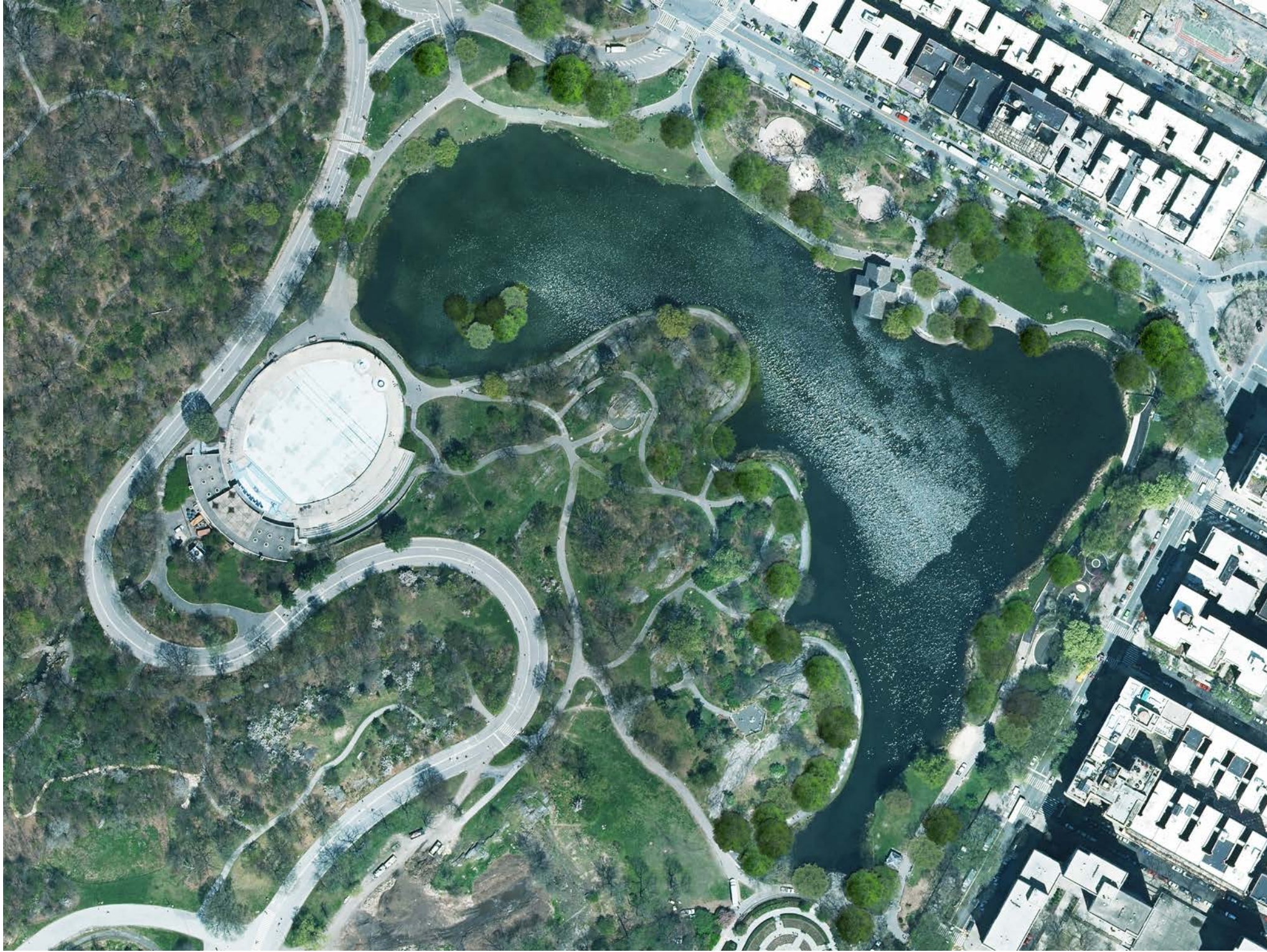






KEY MAP





NORTHWEST  
ACCESSIBILITY AND  
PATH RESTORATION

HARLEM MEER CENTER  
BOARDWALK AND  
SOUTH SHORE



NORTH SHORELINE

EAST SHORELINE

SOUTH SHORELINE  
AND BOARDWALK






SOUTHEAST COVE AND  
SHORELINE



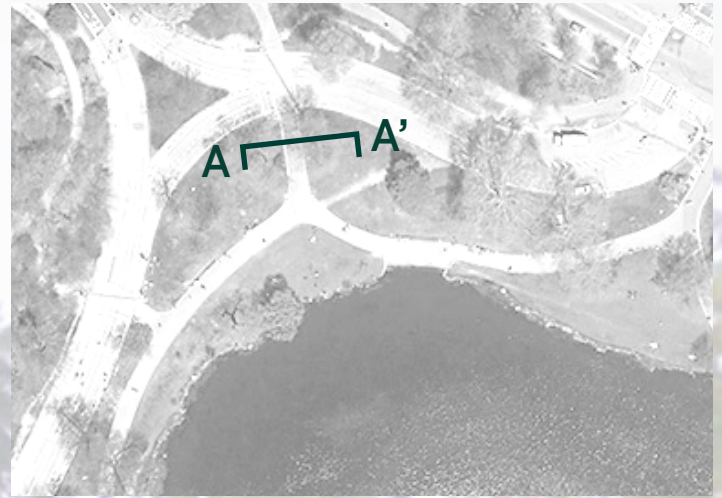
**KEY MAP**



**LEGEND**

- Restored Landscape 
- Site Boundary 
- Bench 
- Light Post 
- Relocated Light Post 

SECTION KEY MAP





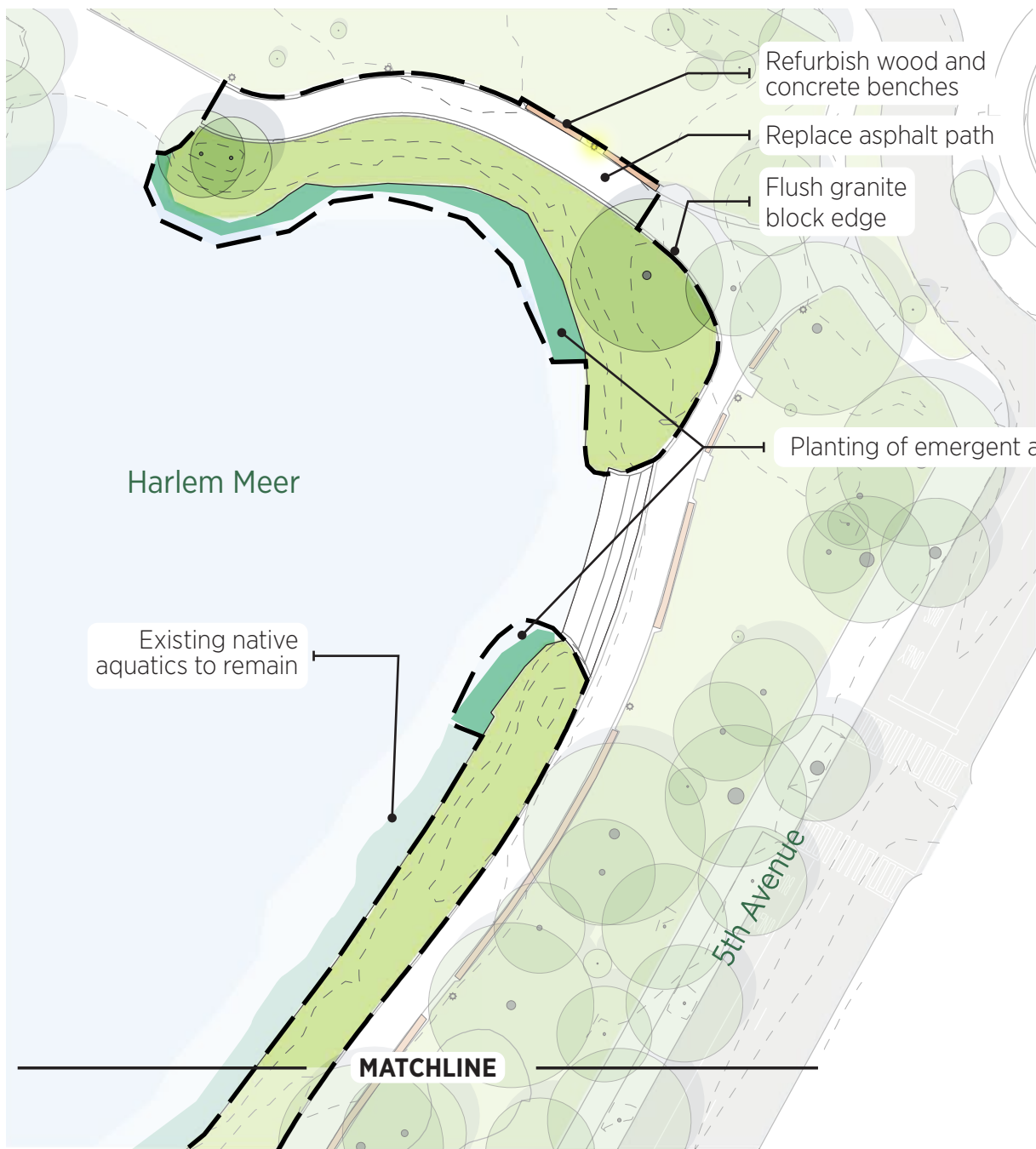
# KEY MAP



# LEGEND

- Restored Landscape
- Aquatic Vegetation
- Site Boundary
- Bench
- Light Post
- Relocated Light Post











**KEY MAP**



**LEGEND**







- Restored Landscape 
- Aquatic Vegetation 
- Site Boundary 
- Bench 
- Light Post 
- Relocated Light Post 



**KEY MAP**

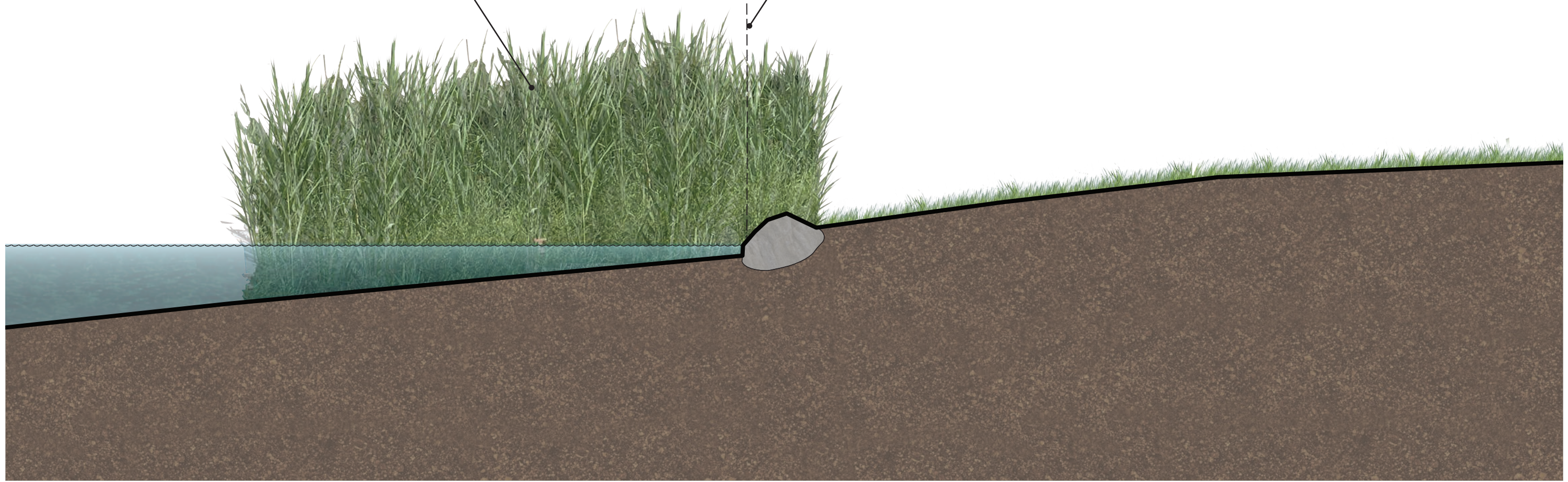


**LEGEND**

- Restored Landscape 
- Aquatic Vegetation 
- Site Boundary 
- Bench 
- Light Post 
- Relocated Light Post 

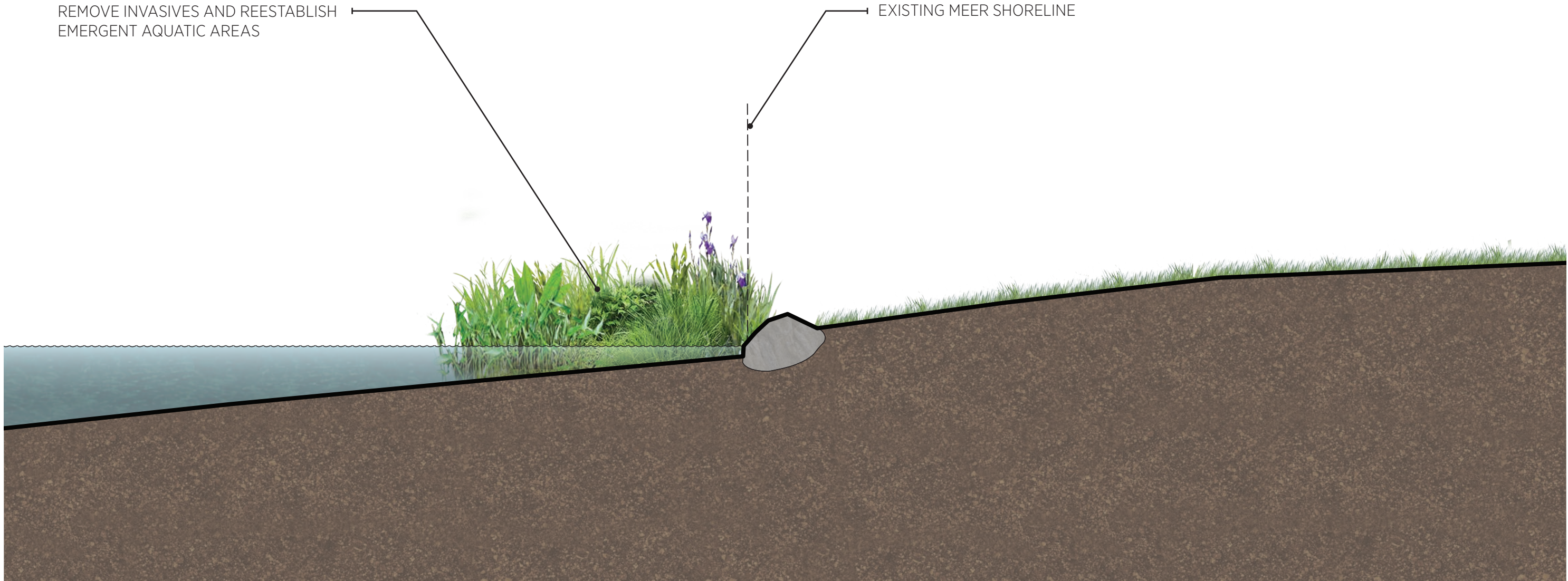
INVASIVES (PHRAGMITES) HAVE REPLACED  
EXISTING EMERGENT AQUATICS AND  
SPREAD BEYOND ORIGINAL FOOTPRINT

EXISTING MEER SHORELINE

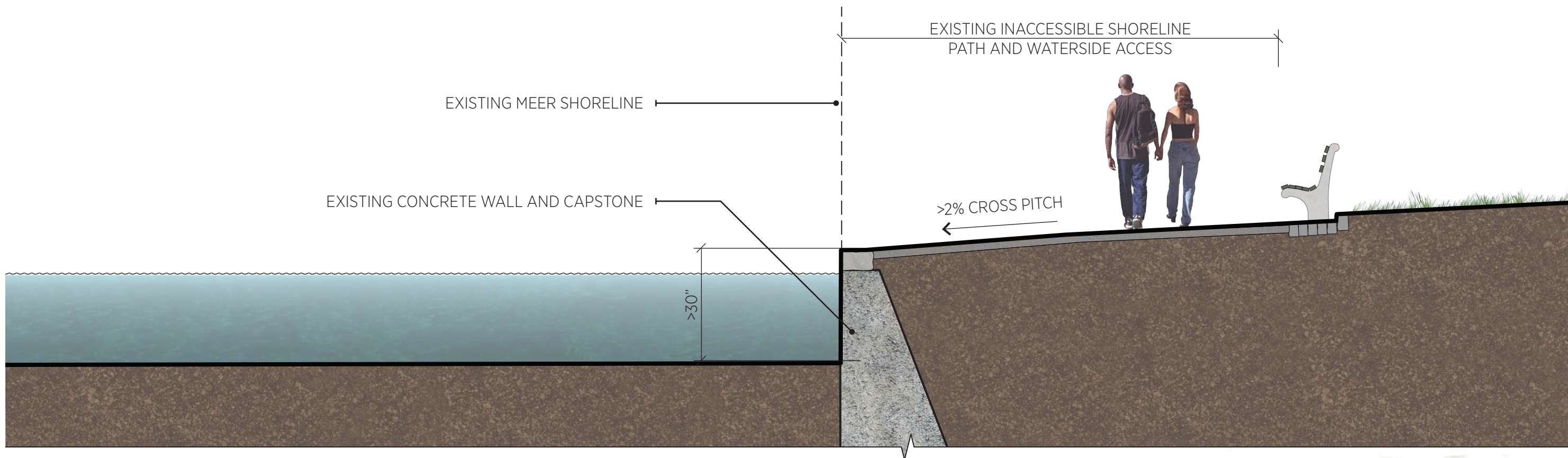


REMOVE INVASIVES AND REESTABLISH  
EMERGENT AQUATIC AREAS

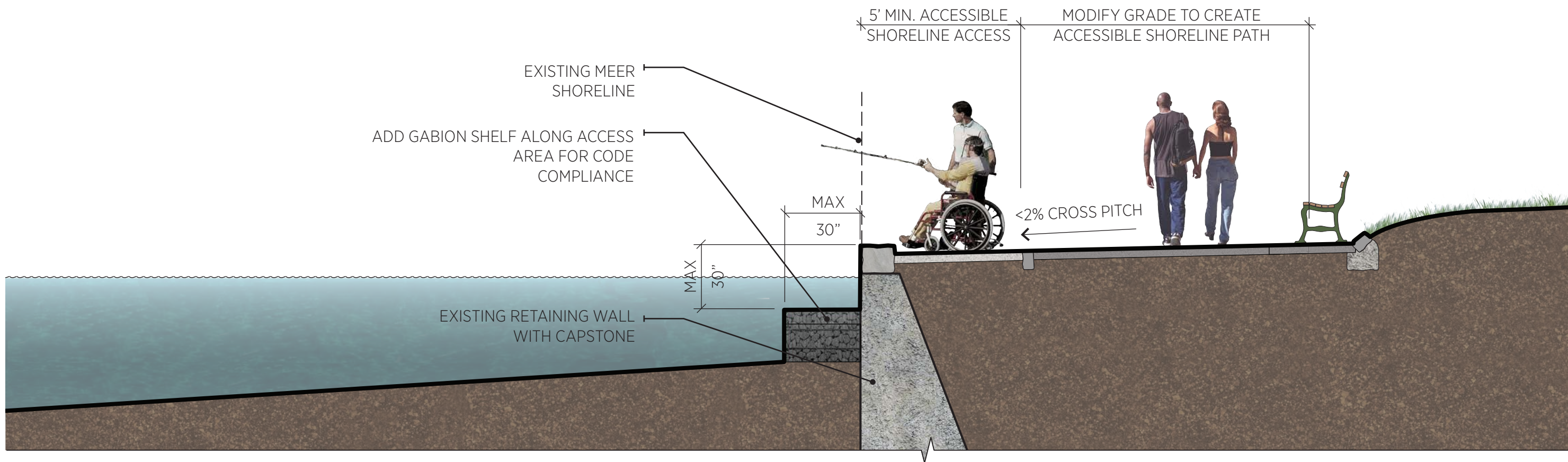
EXISTING MEER SHORELINE



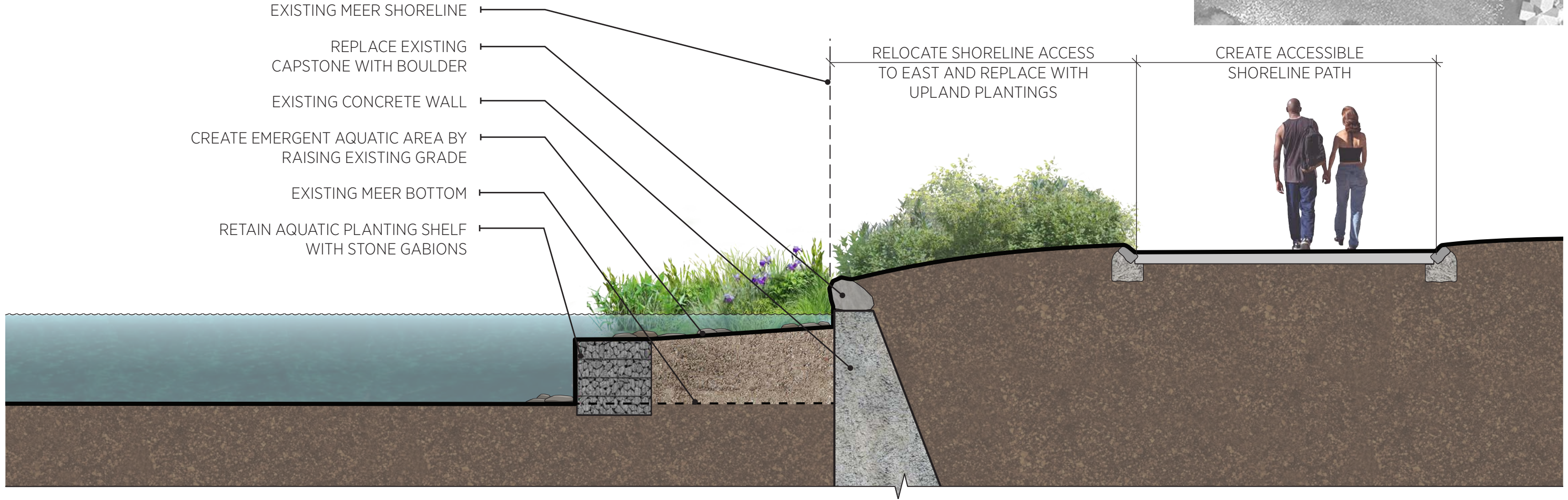
SECTION KEY MAP



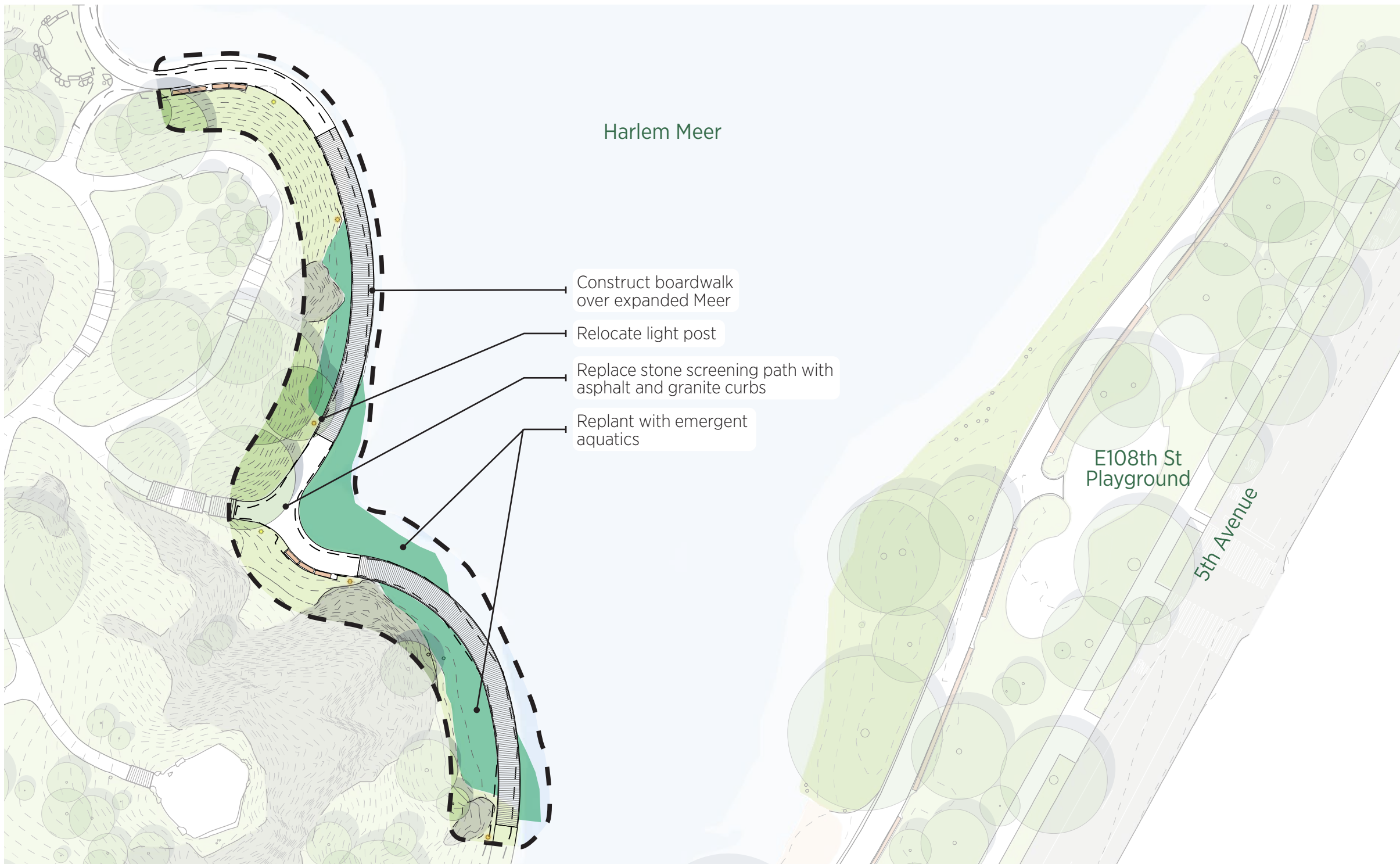
# SECTION KEY MAP



SECTION KEY MAP







Harlem Meer

- Construct boardwalk over expanded Meer
- Relocate light post
- Replace stone screening path with asphalt and granite curbs
- Replant with emergent aquatics

E108th St Playground  
5th Avenue

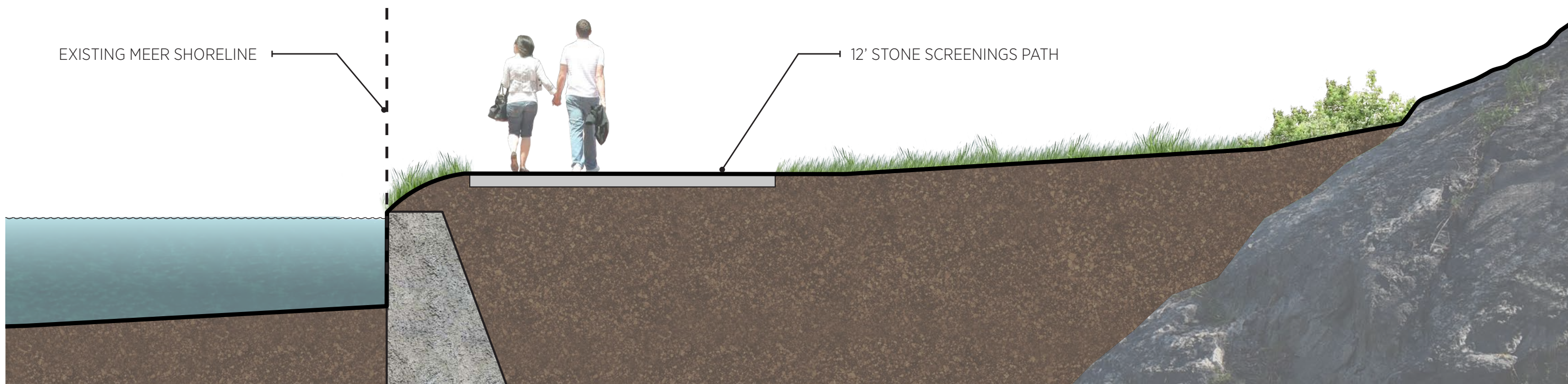
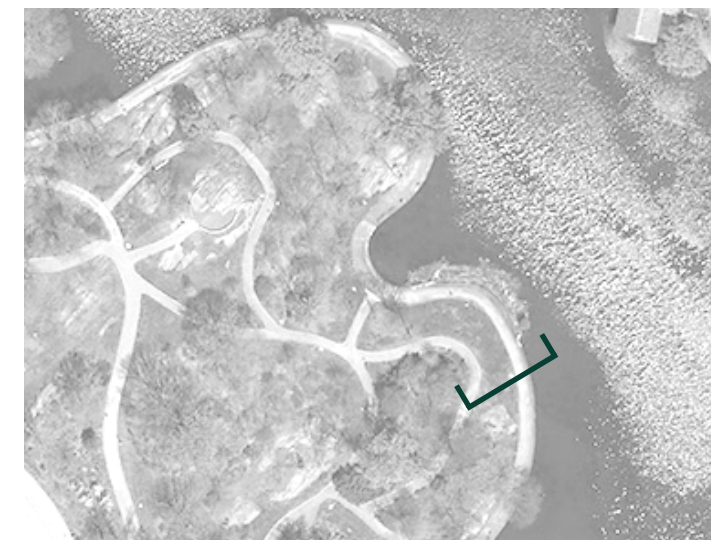
KEY MAP



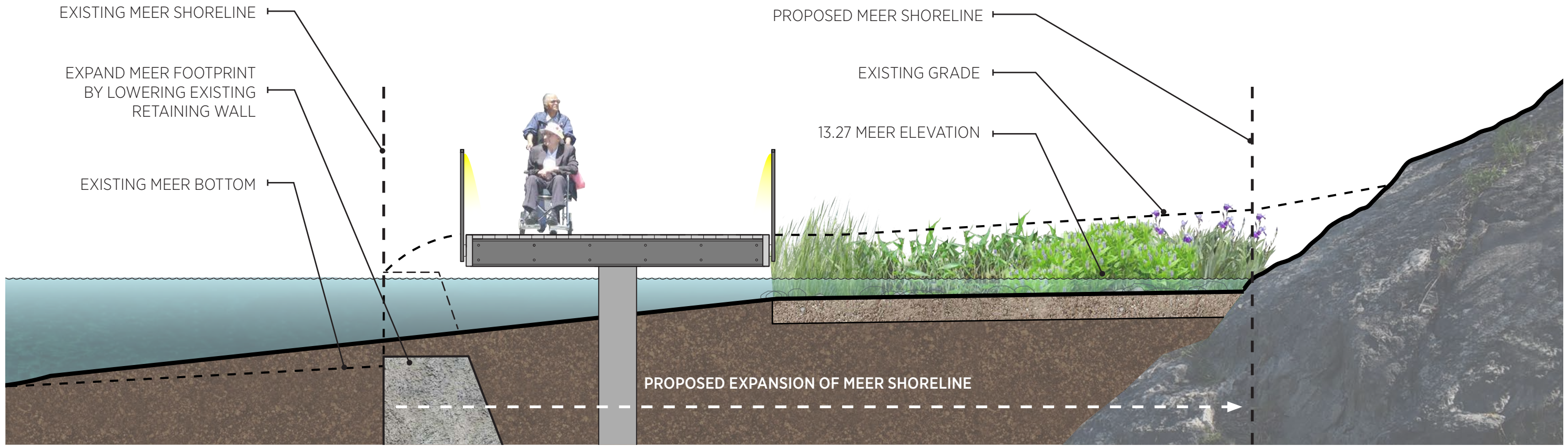
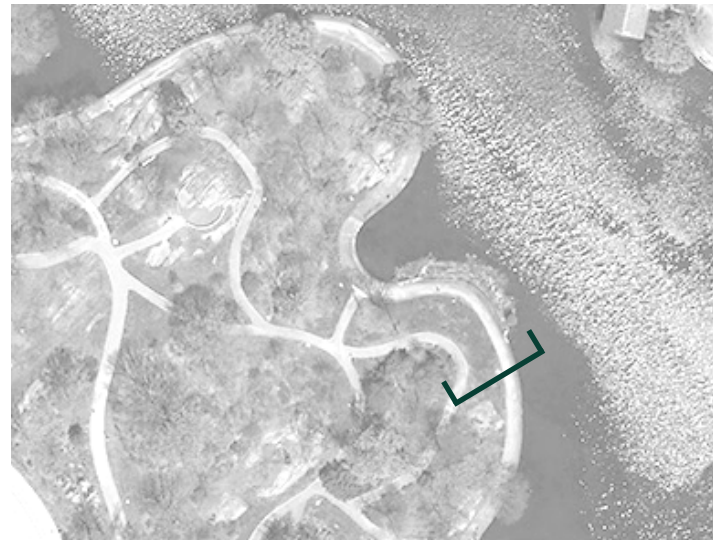
LEGEND

- Restored Landscape
- Aquatic Vegetation
- Site Boundary
- Bench
- Light Post
- Relocated Light Post

SECTION KEY MAP



SECTION KEY MAP

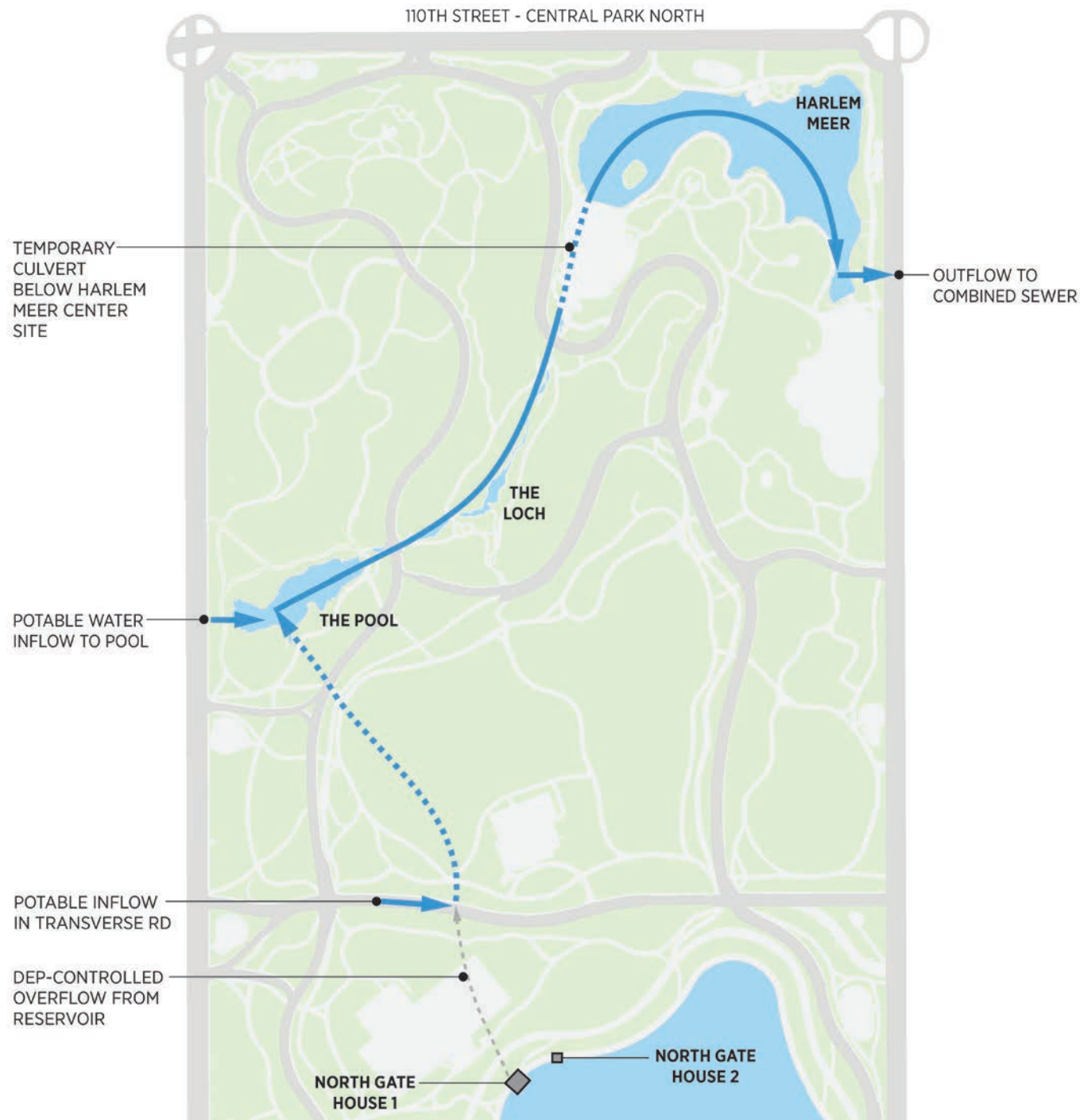




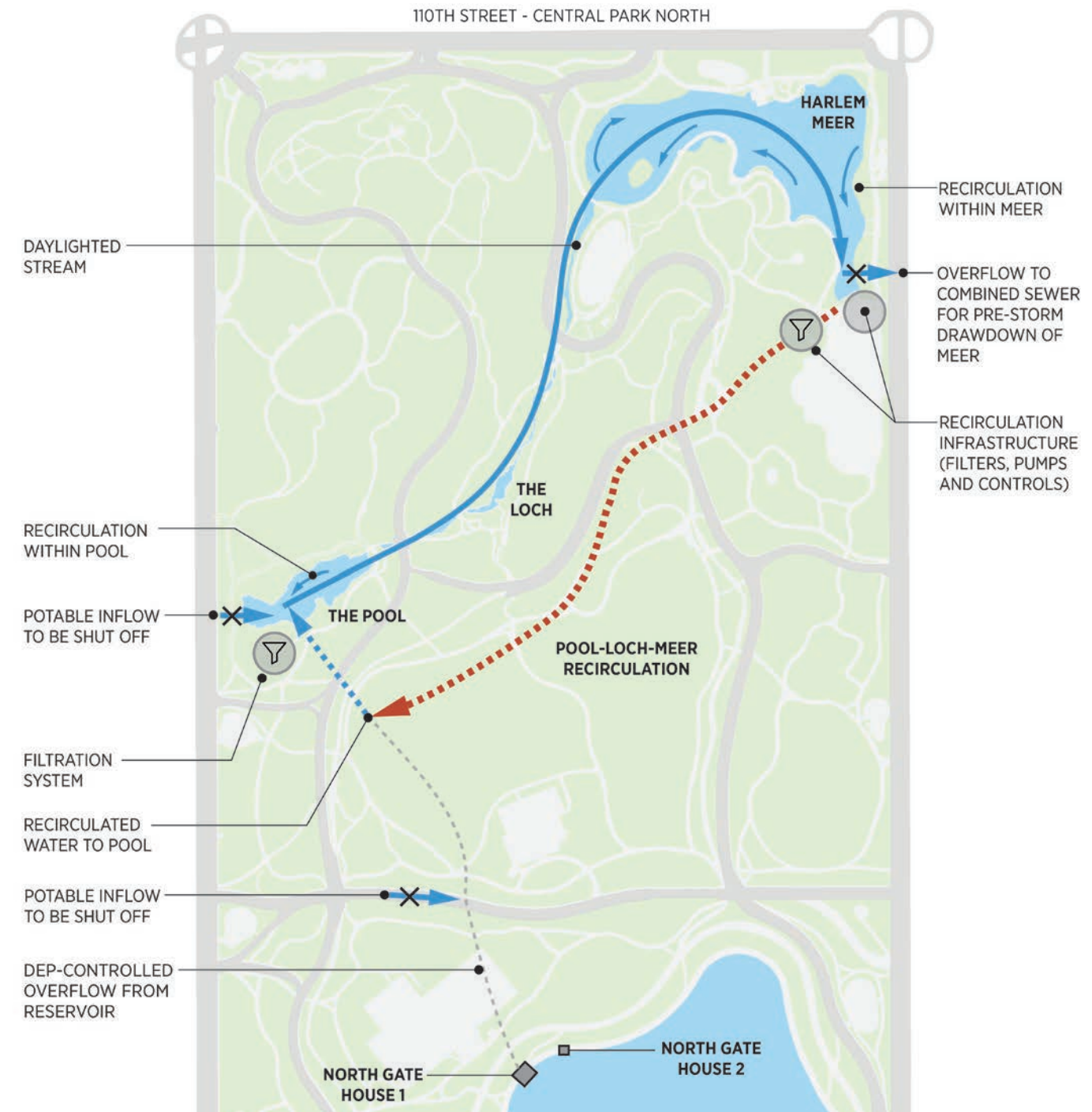




# **NORTH END RECIRCULATION SYSTEM**

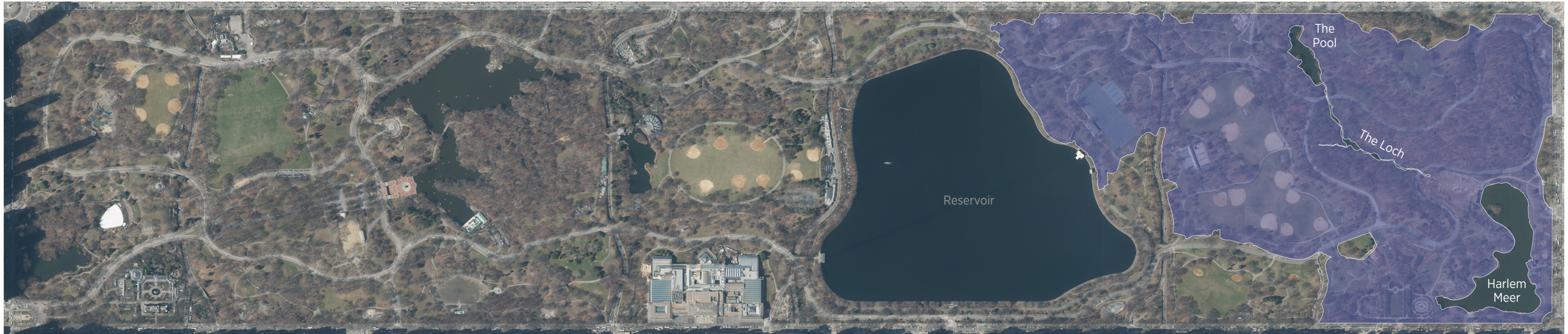


EXISTING CONDITIONS PLAN



PROPOSED RECIRCULATION PLAN





TOTAL AREA TO BE MANAGED BY RECIRCULATION SYSTEM: **204 ACRES (EXCLUDING AREA OF WATERBODIES)**

TOTAL AREA OF CENTRAL PARK (EXCLUDING WATERBODIES): **698 ACRES**

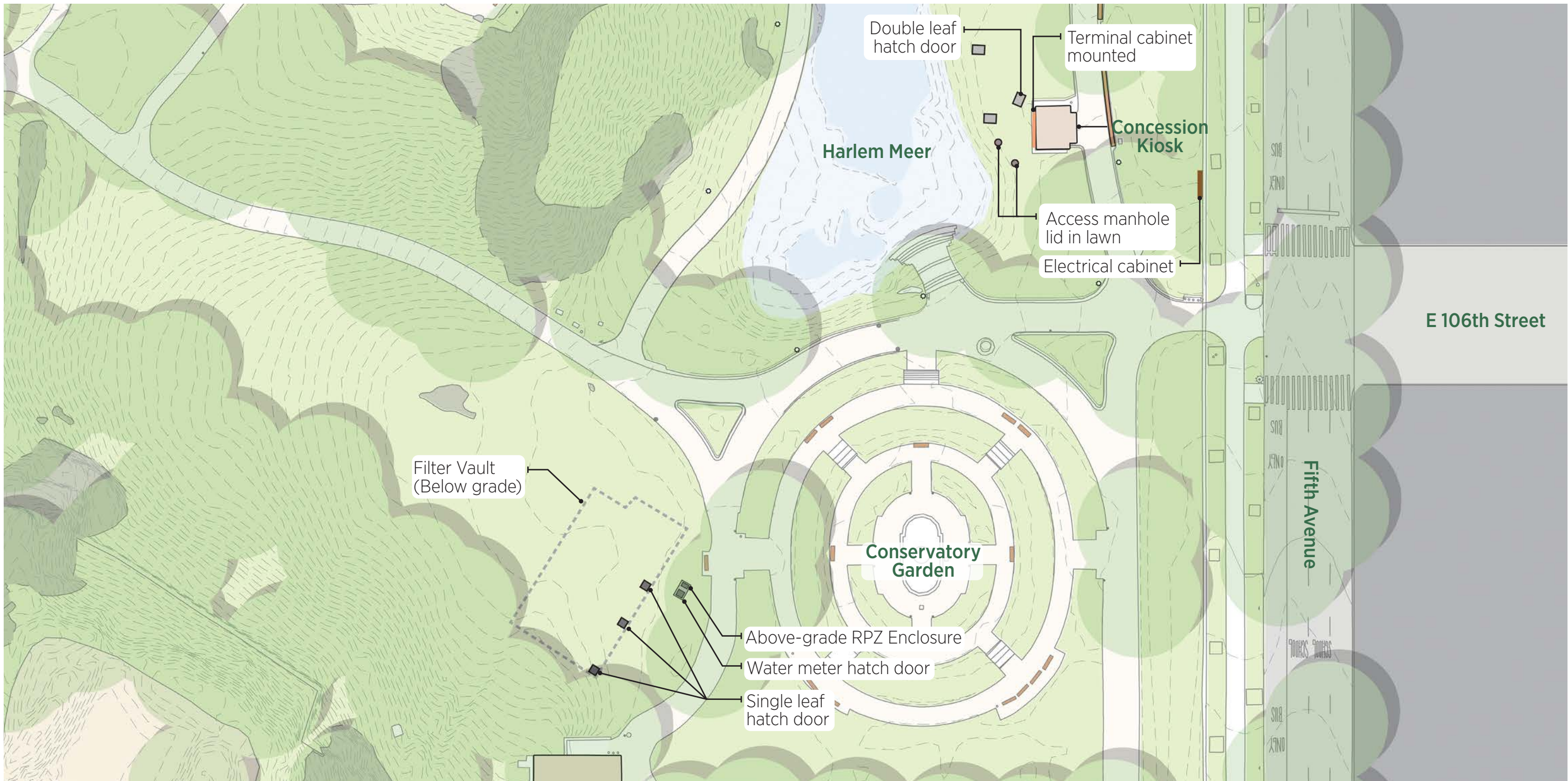
## PROJECTED SYSTEM BENEFITS:

POTABLE WATER SAVINGS PER DAY: **479,000 GALLONS**

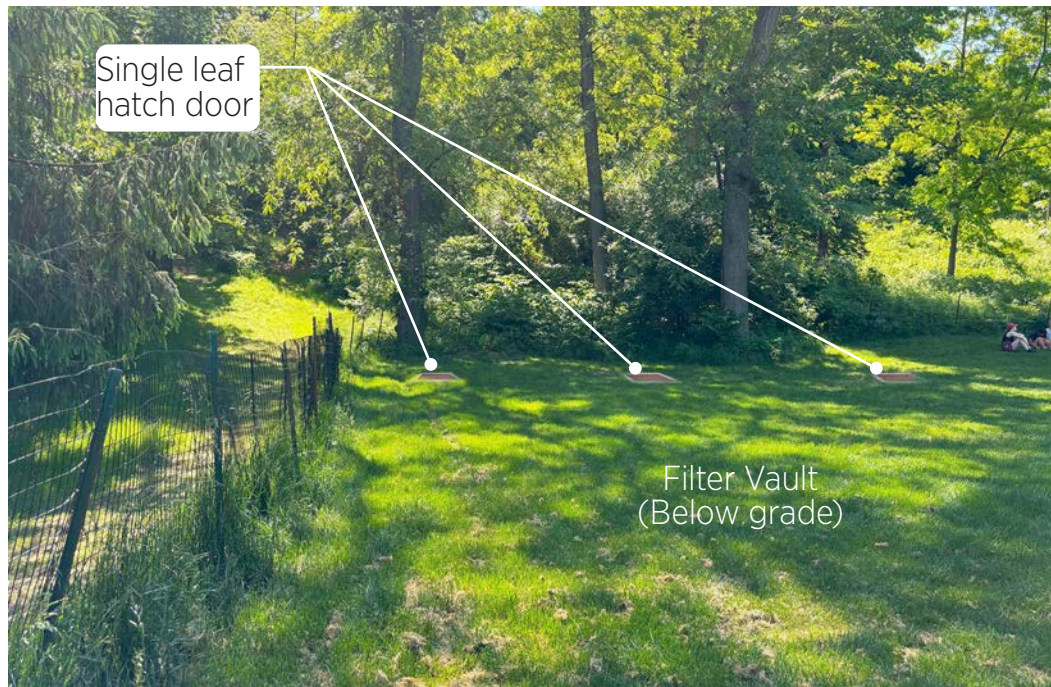
POTABLE WATER SAVINGS PER YEAR: **175 MILLION GALLONS**

REDUCED WET WEATHER FLOW TO COMBINED SEWER PER YEAR: **67 MILLION GALLONS (90% REDUCTION)**

IMPROVED WATER QUALITY AND **REDUCTION OF HARMFUL ALGAL BLOOMS**







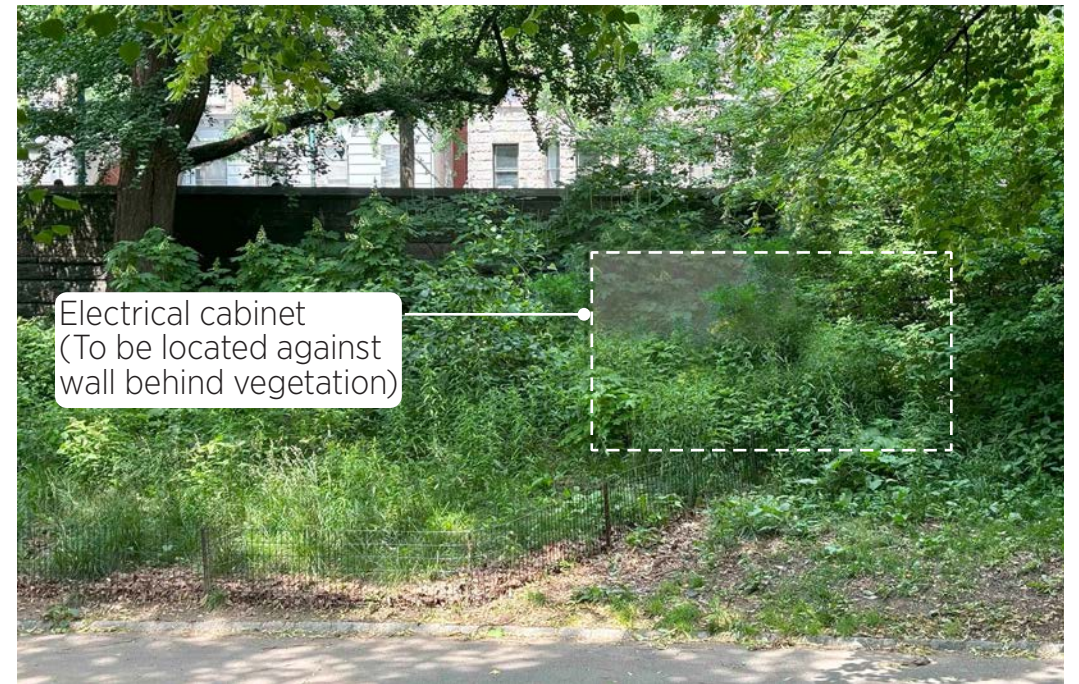
**FILTER VAULT (PROPOSED RENDERING)**



**RPZ AND WATER METER (TYPICAL CONDITION)**



**TERMINAL CABINET (PROPOSED RENDERING)**



**ELECTRICAL CABINET (PROPOSED RENDERING)**



