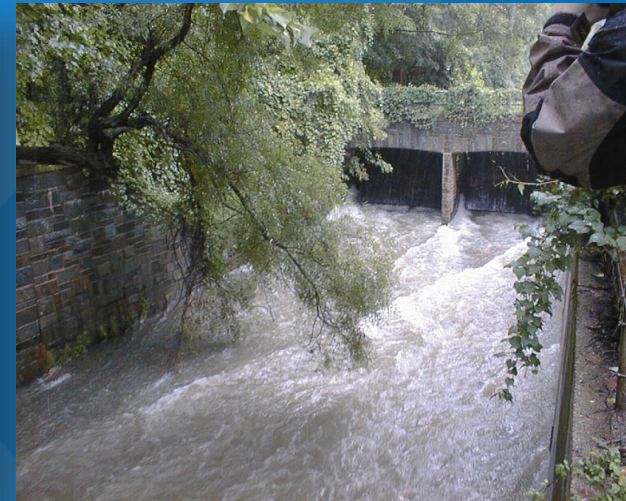
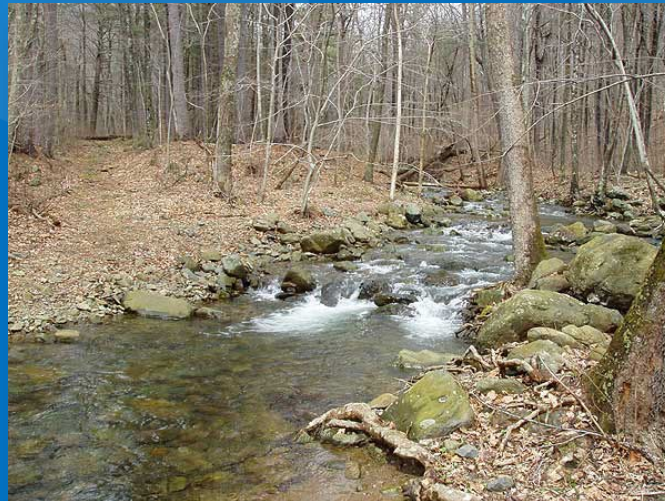
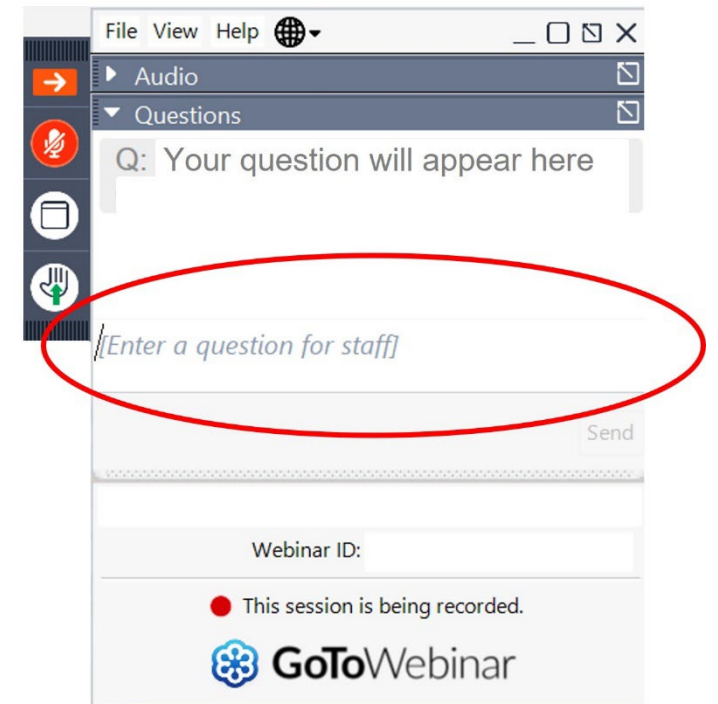


January 18, 2023

Welcome!



- This meeting is being recorded
- As an attendee, you will be in listen-only mode
- Type your questions at any time during the meeting
 - On computer: Expand the **Questions** box on the side panel
 - On mobile device: Click the **Question Mark (?)** at the top of your screen
- Questions will be answered at the end of the presentation, as time allows





Questions and Comments

- Questions or comments submitted as part of this meeting will not be considered formal comments on the project – we require written comments.
- Your comments and feedback are important to us!
- To submit comments online, visit the project website:
<http://parkplanning.nps.gov/dcPineyBranch>
- Send written comments by U.S. Mail to:

Superintendent

Rock Creek Park

RE: Piney Branch Sewer

3545 Williamsburg Lane NW

Washington, DC 20008

IMPORTANT!

Comments must be submitted online
or postmarked by 11:59 pm EST
February 16, 2023 to receive
consideration

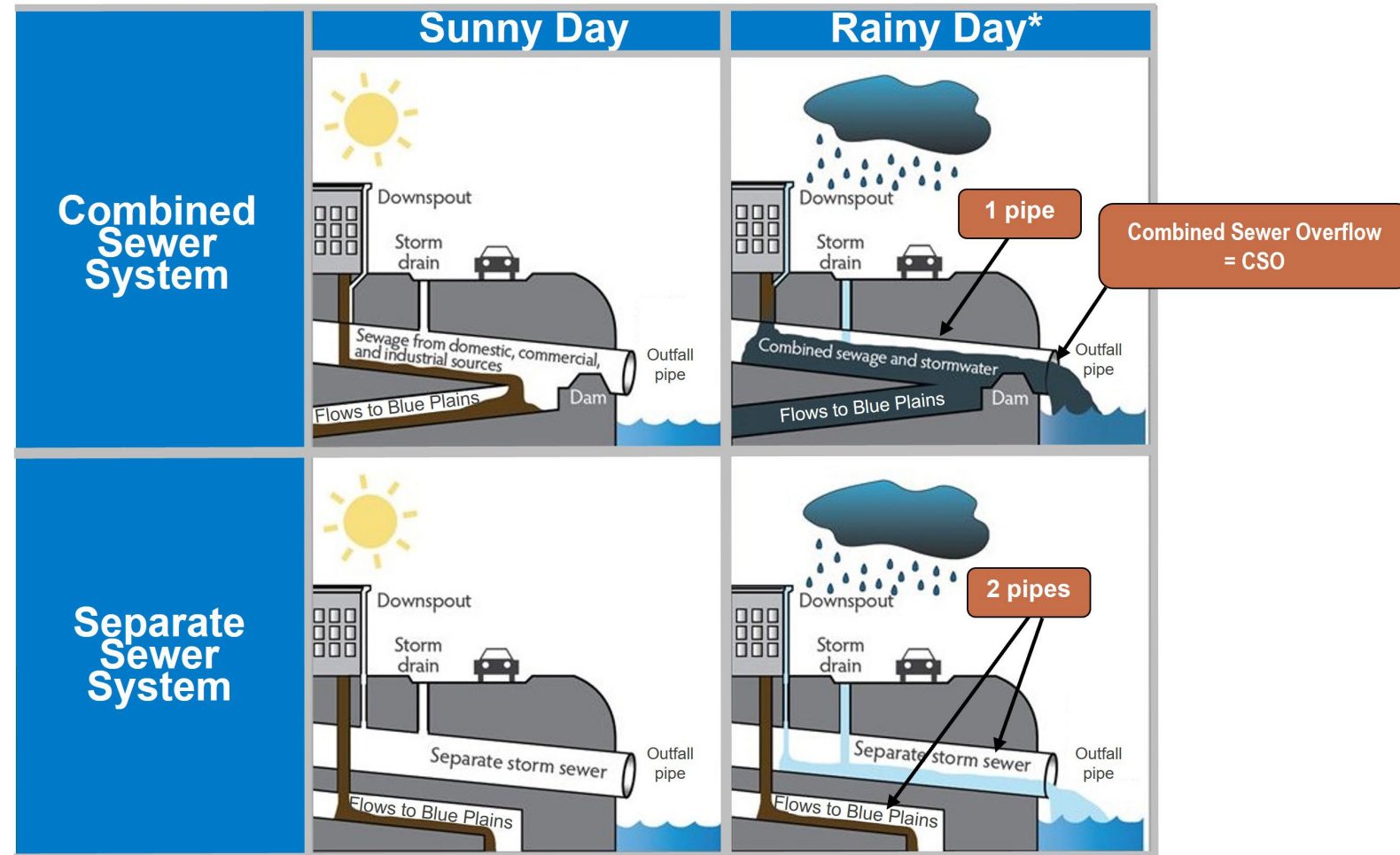


Meeting Purpose and Agenda

- Meeting Purpose
 - Inform you on the proposed Piney Branch CSO 049 Storage Project and provide you with an opportunity to ask questions
- Meeting Agenda
 - Project Background
 - Project Overview
 - National Environmental Policy Act
 - National Historic Preservation Act
 - Schedule
 - How to Comment
 - Questions and Answers



- What is a Combined Sewer Overflow or CSO?
 - Stormwater
 - Sewage
 - “Gray” water from showers, dishwashers, kitchens, laundry, businesses, etc.



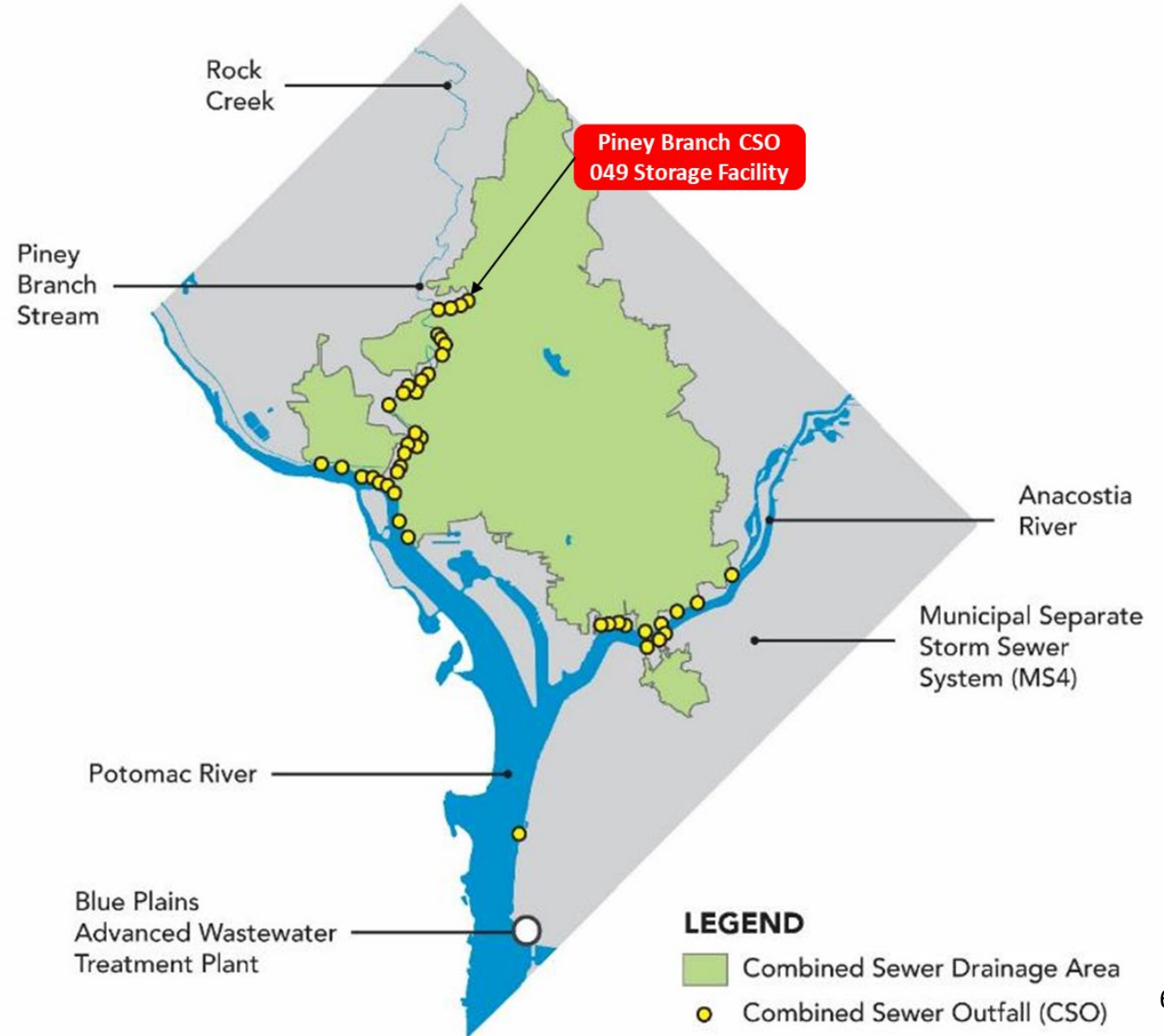
*Discharge occurs when pipe's capacity is exceeded



Project Background

Combined Sewer Locations

- Combined sewer system covers 1/3 of the District (12,478 acres)
- There are 48 potentially active CSO outfalls:
 - 15 to the Anacostia River
 - 10 to the Potomac River
 - 23 to Rock Creek

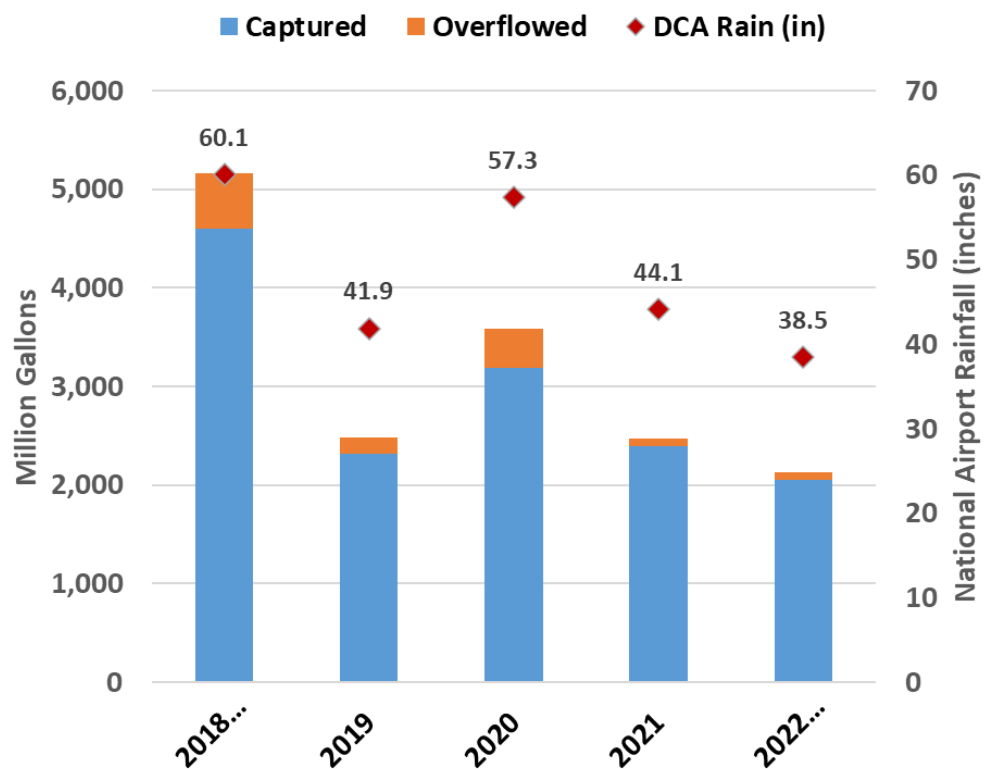




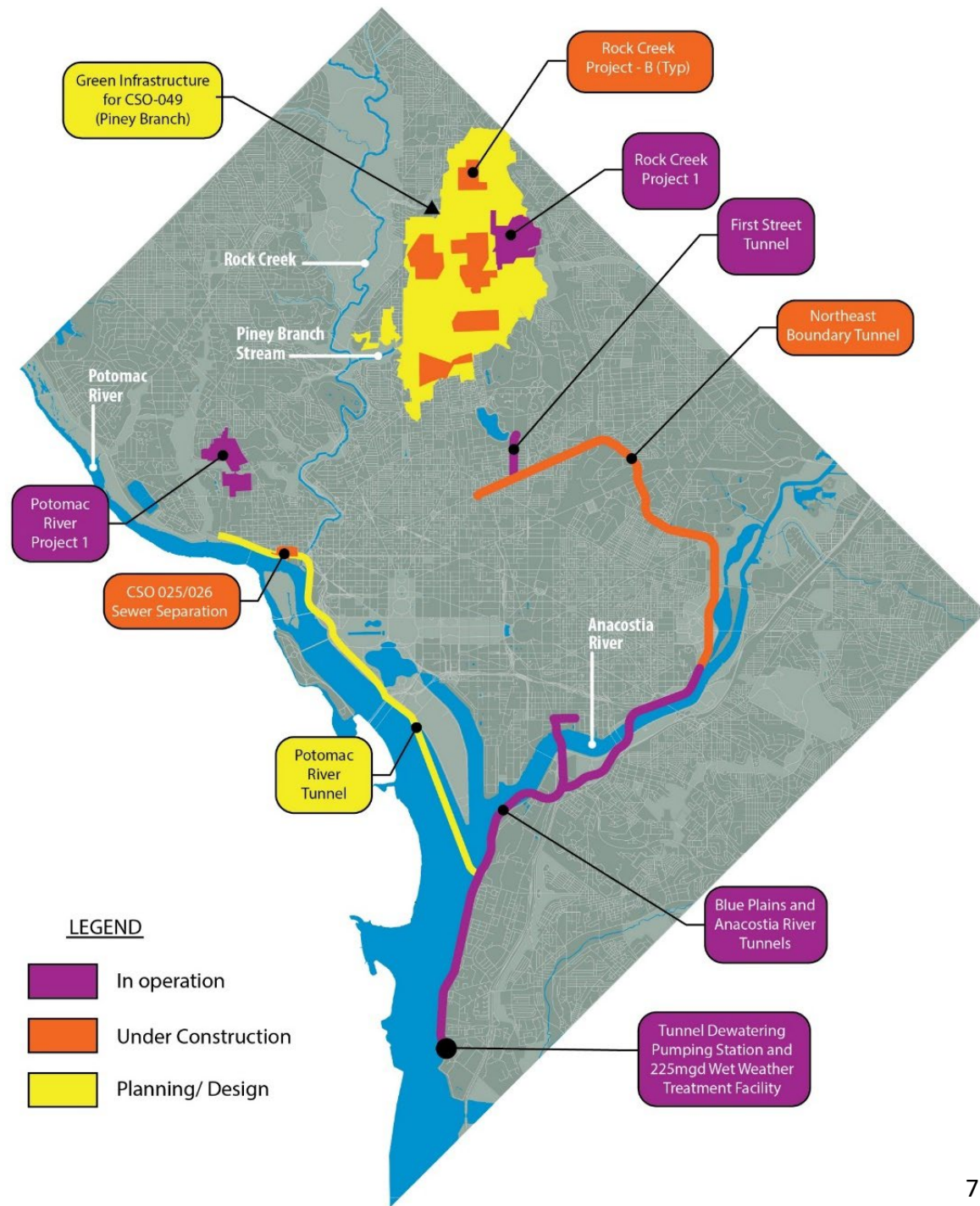
Project Background

DC Clean Rivers Project Status

Anacostia Tunnel System Performance



- Over **14.5 billion gallons** captured March 2018 – November 2022
- Over **9,151 tons of trash**, debris, and other solids captured
- Exceeding predicted capture rate (91%>80%)





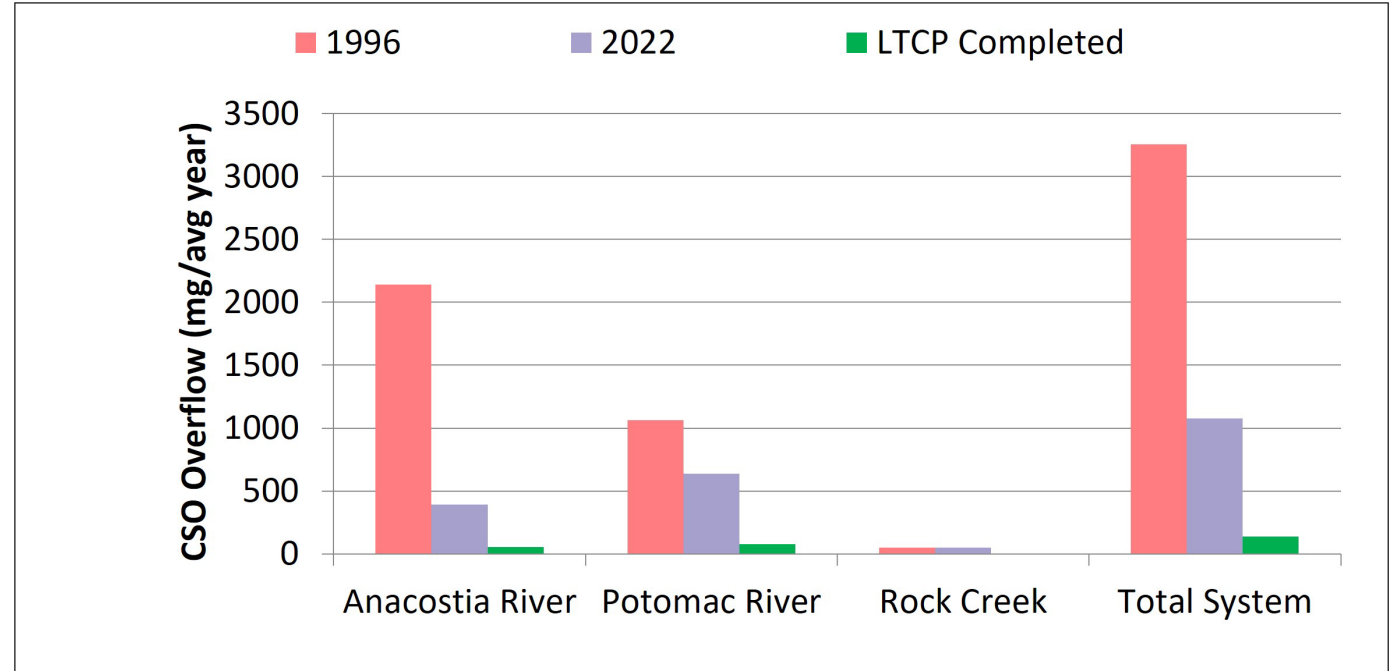
Project Background

Clean Rivers Project Performance

- District government determined that project meets District Water Quality Standards for remaining overflows, subject to post construction monitoring
- EPA concurred with determination

Parameter	Phase	Anacostia River	Potomac River	Rock Creek	Total
CSO Volume (mg/avg yr)	DC Water Created (1996)	2,142	1,063	49	3,254
	Clean Rivers Complete	54	79	5	138
	% Reduction	98%	93%	90%	
CSO Frequency (#/avg yr)	DC Water Created (1996)	82	74	30	82
	Clean Rivers Complete	2	4	1 / 4 ¹	4

¹One at Piney Branch, four at the other Rock Creek CSOs

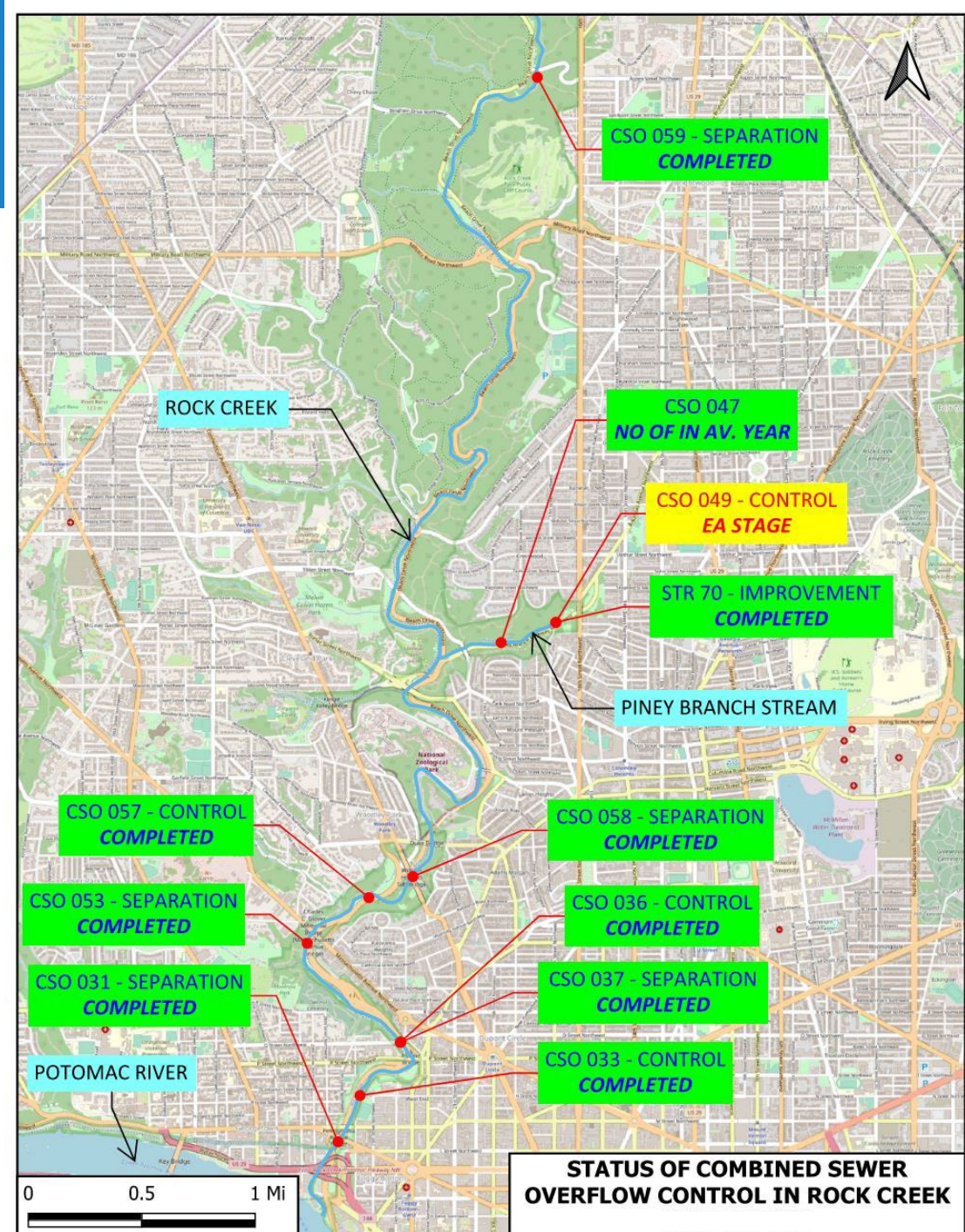




Project Background

Status of Rock Creek CSO Control Projects

- Completed projects:
 - Sewer separation -5 outfalls ✓
 - Diversion structure improvements - 5 outfalls ✓
- Remaining projects:
 - CSO 049 storage facility in operation by November 23, 2029
 - 92 acres of Green Infrastructure (GI) in operation by March 23, 2030 (27 acres have been completed)





Project Overview

Piney Branch CSO 049 Storage Project

- The purpose of the project is to reduce untreated discharges from the combined sewer system to Piney Branch by increasing CSO storage and conveyance capacity
- Largest CSO to Rock Creek
- Average year predictions at CSO 049:

Parameter	<u>Before</u> Clean Rivers	<u>After</u> Clean Rivers
No. Overflows (#/avg yr)	25	1
Overflow Volume (mil. gal./avg yr)	39.7	1.4
% Reduction	--	96%



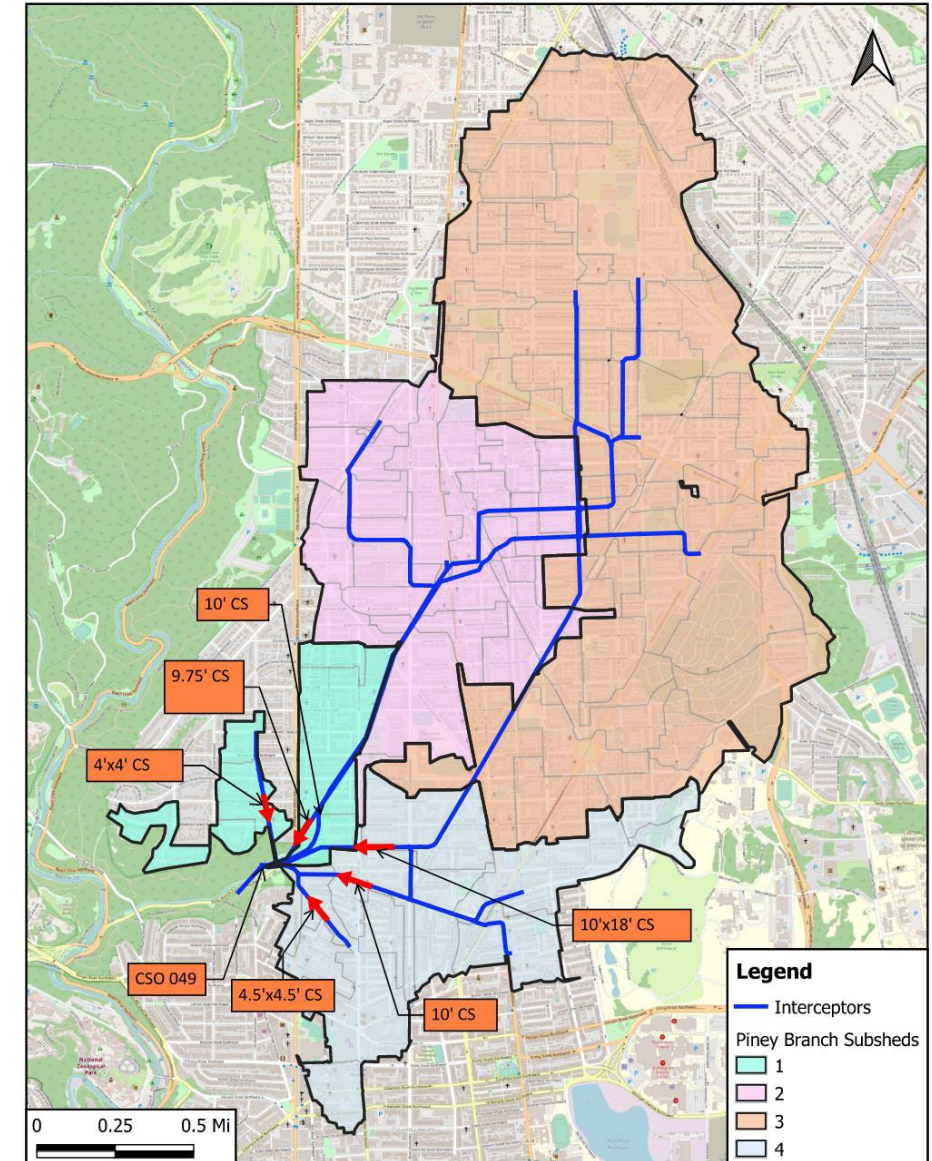
Piney Branch CSO Event



Project Overview

Existing CSO 049 Sewer System Configuration

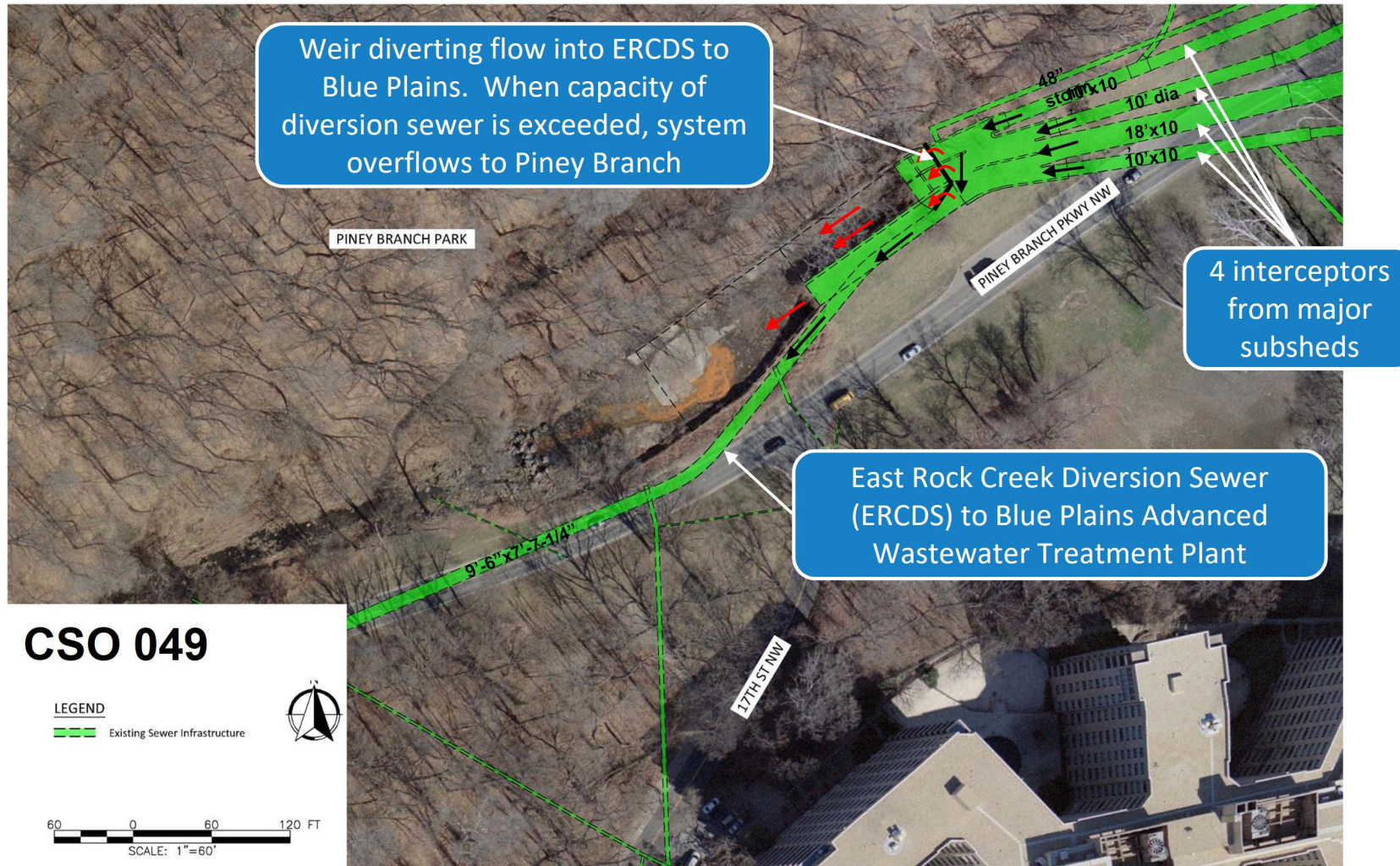
- Drainage area of about 2,400 acres
- Federal Board of Engineer's recommended constructing separate sewers in 1890, but the government constructed combined sewers likely because of the lower cost
- Four major subdrainage areas that converge at outfall in Rock Creek Park





Project Overview

Existing CSO 049 Sewer System Configuration (continued)

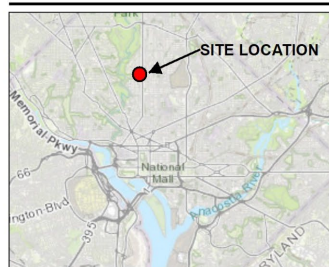
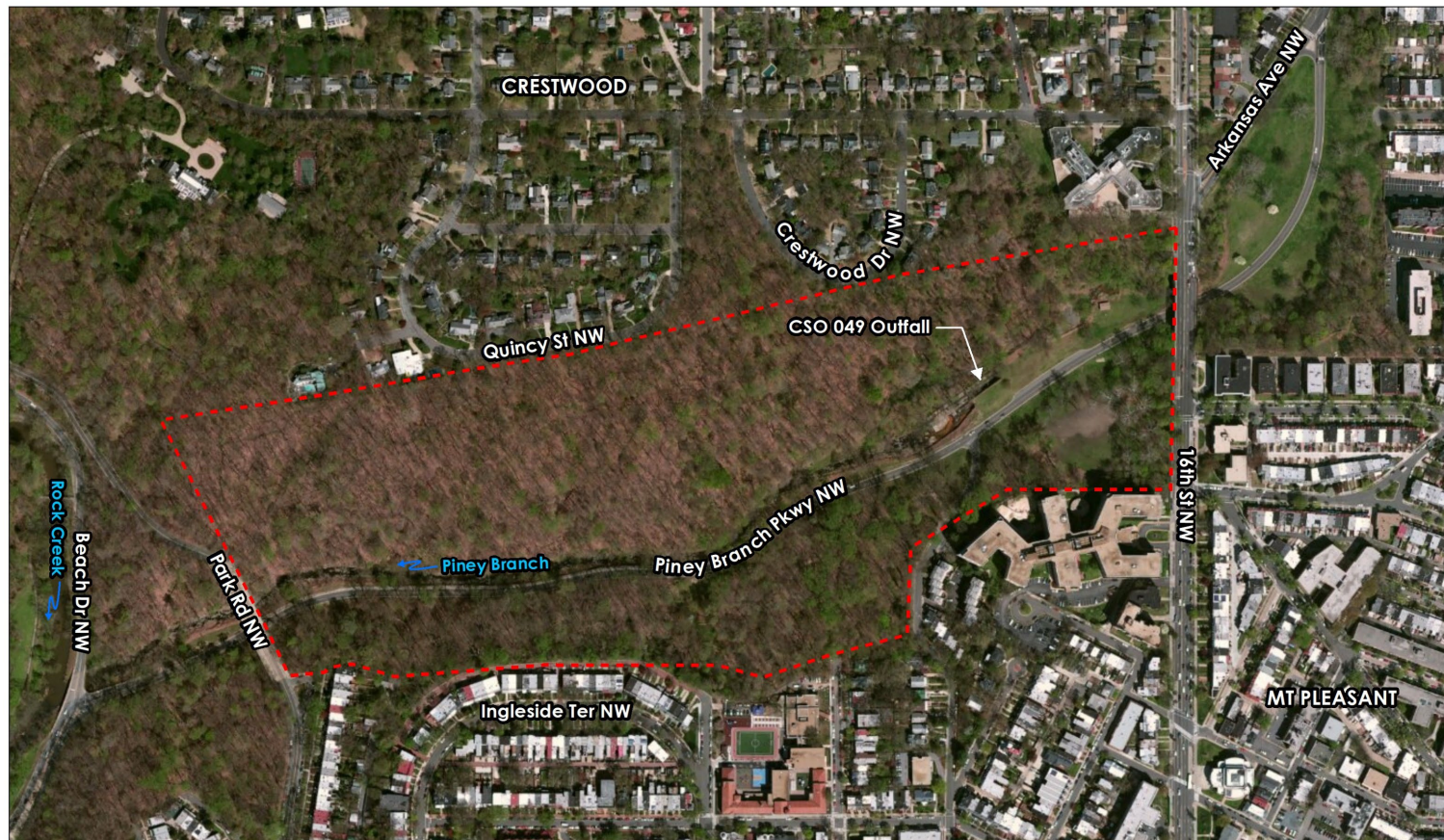




Project Overview

Tunnel Corridor

- DC Water has identified a corridor within which a storage facility may be constructed
- DC Water currently conducting geotechnical investigations to identify feasible locations



Legend

Tunnel Corridor



Project
Piney Branch CSO 049 Control Project

Figure No.
1

Title
Project Location Map

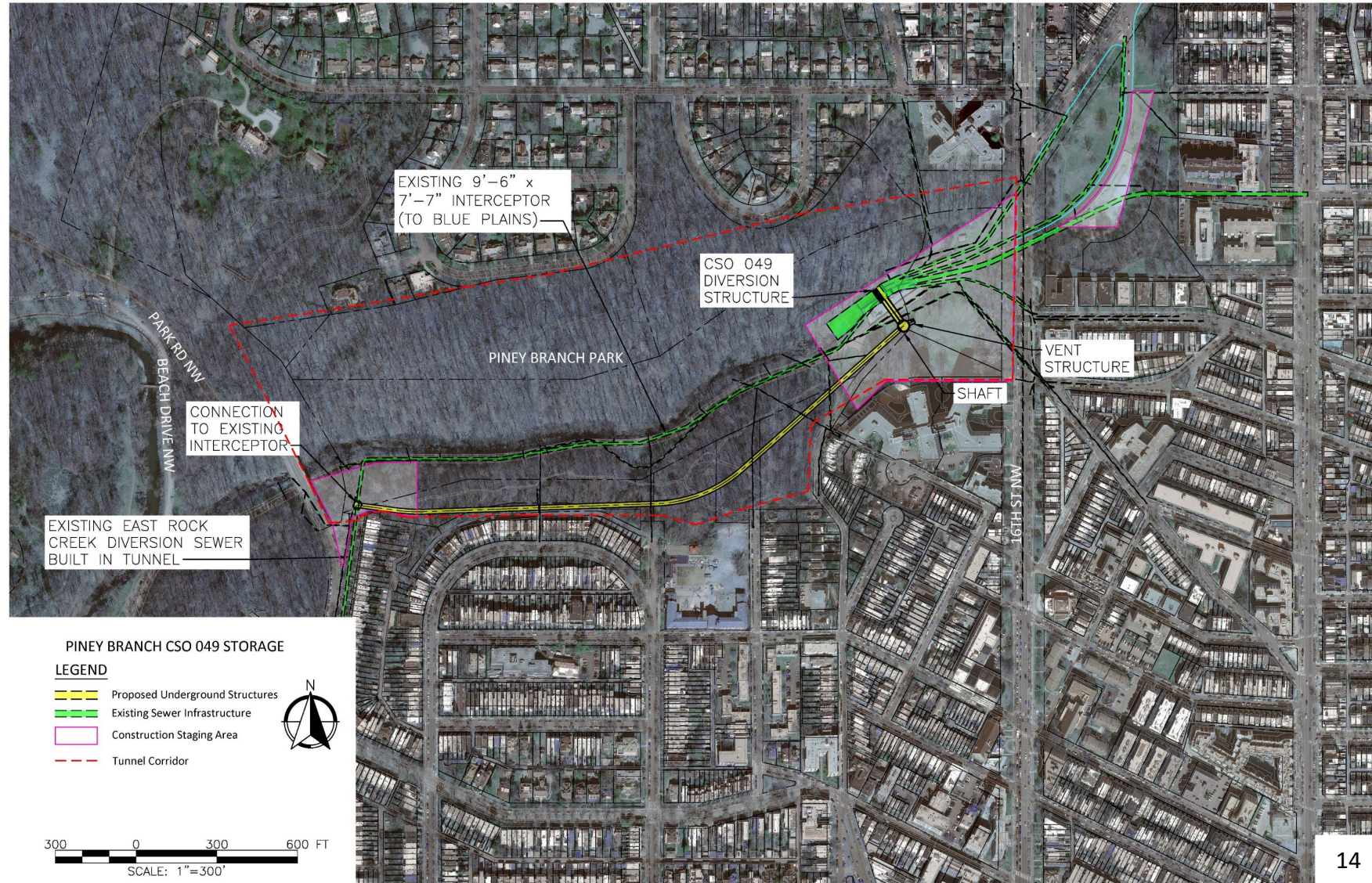




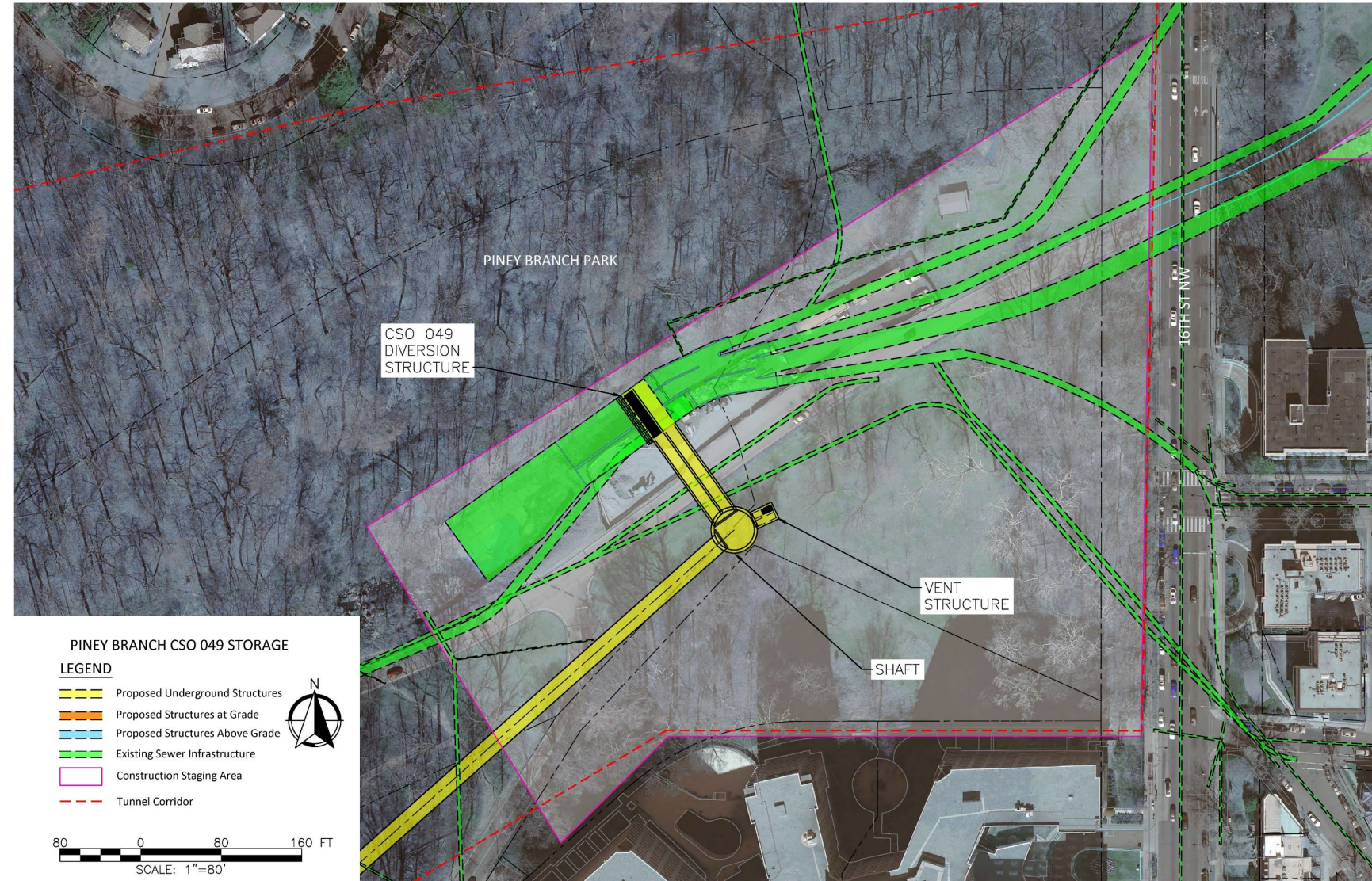
Project Overview

Conceptual Design Layout

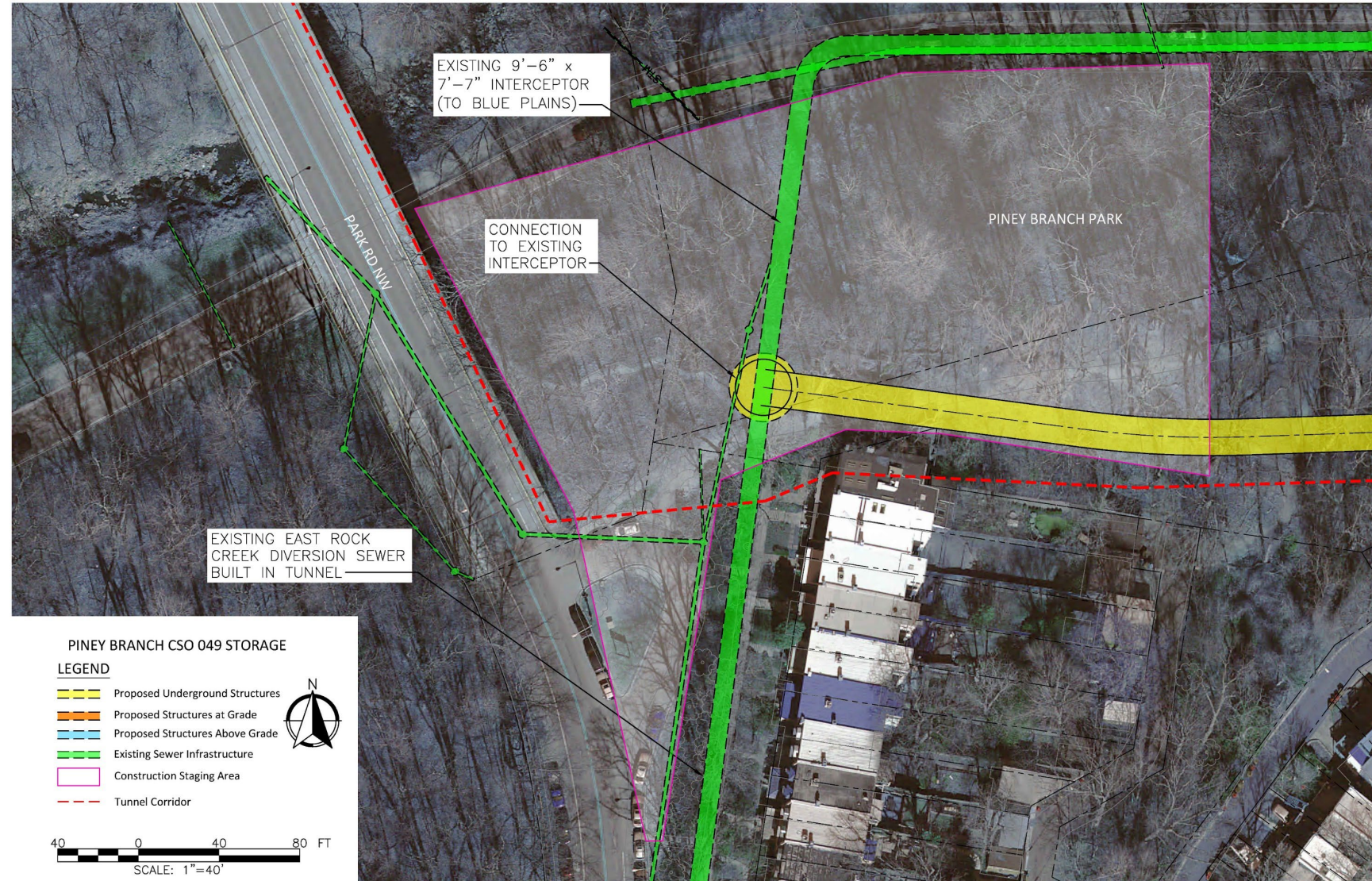
- Storage options being evaluated include a tunnel to control CSO 049 (approx. location shown).
- Minimal impacts with tunnel option vs. tank, i.e., underground, gravity operation, minimal impacts to park.
- Construction would involve “drill and shoot” to excavate rock.



- Diversion structure constructed at outfall to direct CSO into tunnel
- Minimal expression at surface (manholes, hatches, electrical cabinet)



- The facility would store the overflows until they can be released back into the sewer system during low flow conditions and conveyed to Blue Plains for treatment (approx. location shown)
- Minimal expression at surface (manholes, hatches, electrical cabinet)

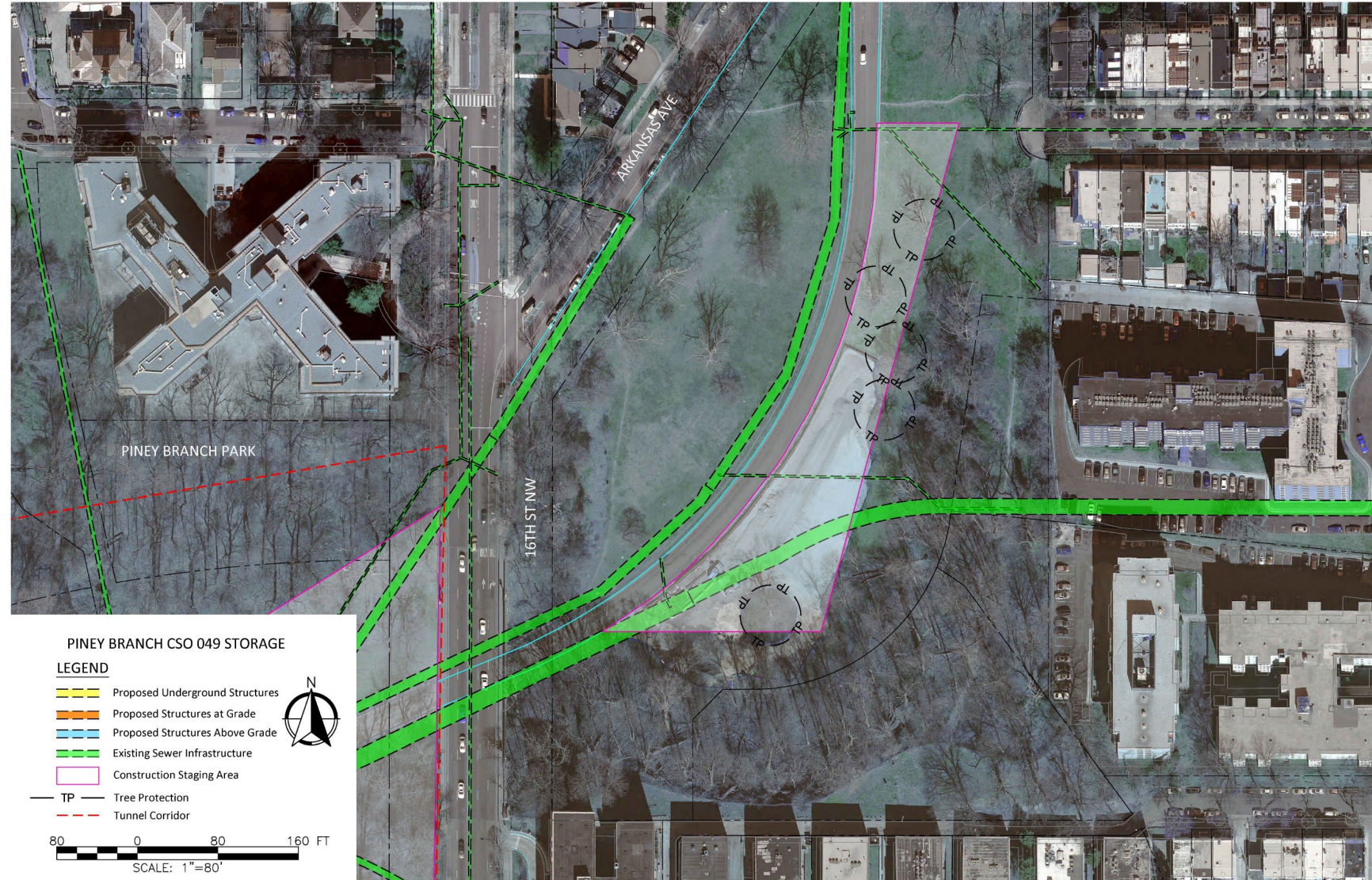




Project Overview

Additional Staging Area

- Additional temporary staging area for construction shown east of 16th St NW bridge (if needed)





What is NEPA?

- The National Environmental Policy Act (NEPA) is a federal law that requires planning to ensure informed decision-making
- NEPA requires federal agencies to:
 - analyze the environmental impacts of actions, and
 - engage the public as part of project planning
- DC Water will need federal permits from NPS to construct the proposed storage facility project
- Issuance of permits by NPS is a federal action that requires NEPA compliance





NEPA Planning Process

Public and Agency Scoping

- DC Water and NPS are currently in the “scoping” phase of the NEPA compliance process
- Scoping occurs early in planning and typically involves:
 - Identifying the purpose of and need for the project
 - Developing a proposed action that meets the purpose and need
 - Developing alternatives to the proposed action
 - Collecting data on existing environmental conditions
 - Identifying important issues to address in the NEPA document
 - Engaging the public as part of project planning



NEPA Planning Process

Environmental Assessment

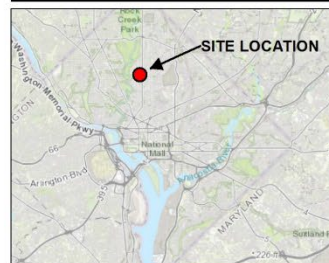
- NPS and DC Water will prepare an EA to document and disclose potential environmental impacts that would occur if the project is implemented
- Impacts related to the following subject matter may be addressed in the EA:
 - Water Quality
 - Wetlands and Waterways
 - Vegetation
 - Rare, Threatened, and Endangered Species
 - Visitor / Community Use and Experience
 - Cultural Resources – more on next slide





National Historic Preservation Act

- Effects to historic properties will also be assessed to comply with Section 106 of the National Historic Preservation Act (NHPA)
- Assessments being planned in consultation with the DC SHPO include
 - Preparing determination of eligibility for the CSO 049 outfall
 - Conducting archeological investigations as needed
 - Assessing effects to historic properties
 - Rock Creek Park Historic District
 - Mount Pleasant Historic District
 - Woodner Apartment Building
 - Archeological Resources



- Mount Pleasant Historic District
- Rock Creek Park Historic District

- 1 - Rock Creek Park Historic District
- 2 - Mount Pleasant Historic District
- 3 - Woodner Apartment Building

Project
Piney Branch CSO 049 Control Project

Figure No.
1

Title
Area of Potential Effects Map



0 500 1,000 Feet



- Tentative NEPA Compliance Schedule

Date	Milestone / Activity
December 16, 2022	Agency Scoping Meeting
January 18 – February 16, 2023	Public Scoping (We are here)
February – August 2023	Prepare EA
September 2023	EA Public Review and Comment Period (30 days)
October 2023	NPS Reviews Public Comments on Plan/EA
October - November 2023	Finding of No Significant Impact or Preparation of Environmental Impact Statement

- CSO 049 Storage Project Consent Decree Schedule

Date	Requirement
May 23, 2024	Award Contract for Design
May 23, 2026	Award Contract for Construction
November 23, 2029	Place in Operation



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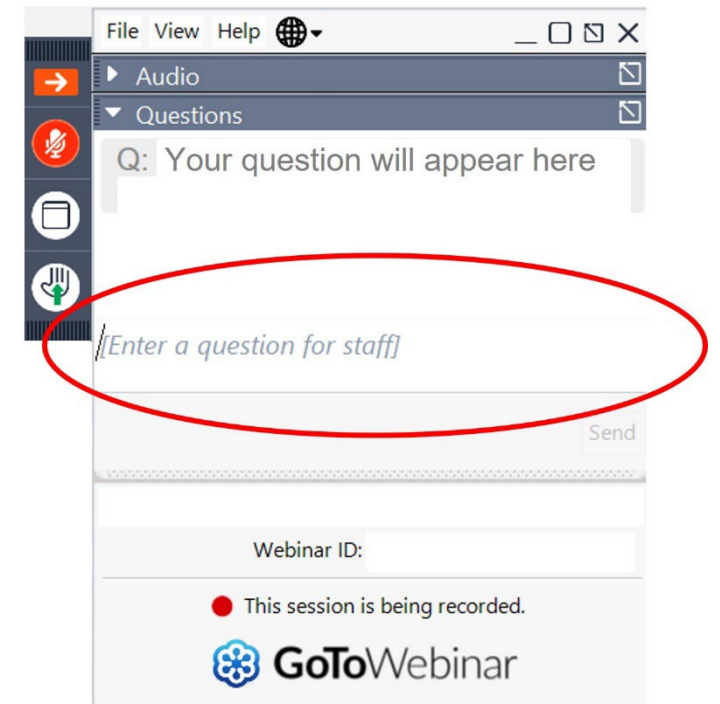
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For more information on the DC Clean Rivers Project visit:

<https://dcwater.com/cleanrivers>

For more information on the Piney Branch CSO 049 Storage Project visit:

<https://www.dewater.com/projects/piney-branch-storage>