



Clean Rivers Project – Piney Branch Tunnel

January 2026



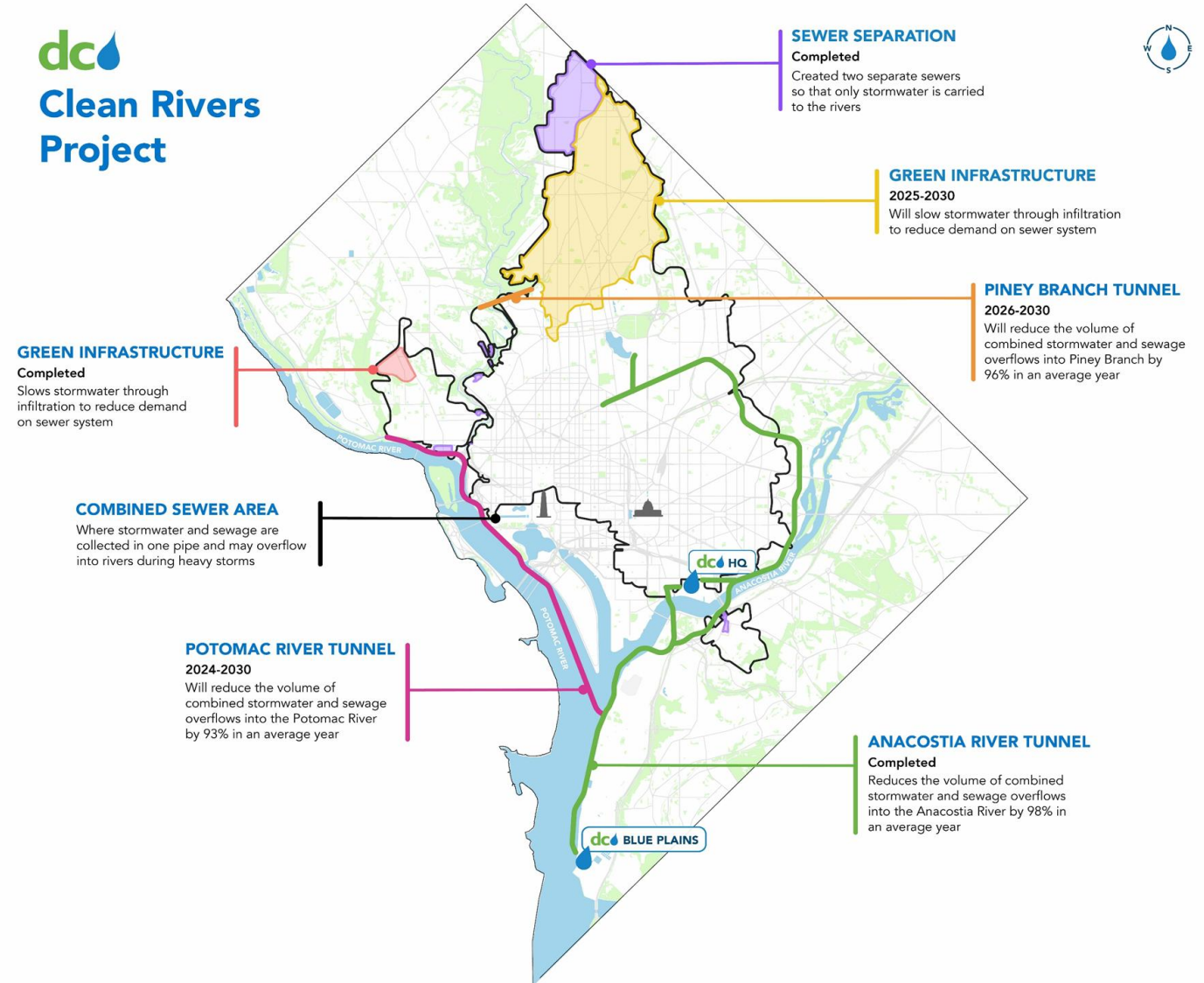
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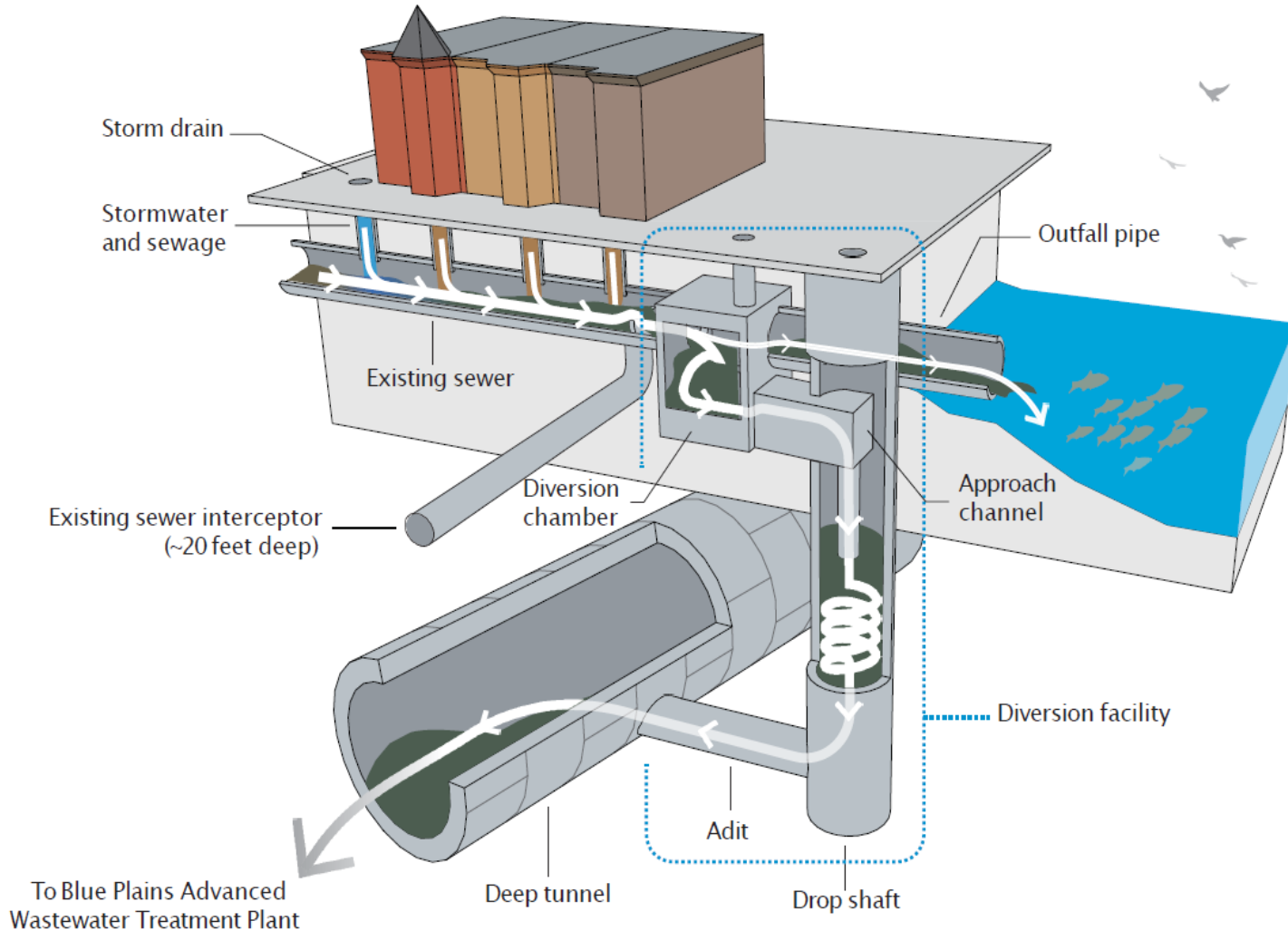


DC Clean Rivers Project

The project is required by a Consent Decree signed by the Environmental Protection Agency, Department of Justice, District of Columbia, & DC Water

- 1/3 of District is served by combined sewers (12,478 acres)
- Combined Sewer Overflow (CSO) outfalls
 - 15 to Anacostia River
 - 10 to Potomac River
 - 23 to Rock Creek
- 25 yr implementation (2005 – 2030)
- 96% reduction in CSOs
- Approx. 1 million lbs./yr nitrogen reduction





How The System Works

- DCWater's Clean Rivers Project has built a series of tunnels and diversion facilities that move sewage and stormwater to the tunnel during a storm event.

Diversion Facility Components

- Diversion chamber: constructed along the existing sewer to divert flow from the combined system when capacity is exceeded.
- Diversion sewer/approach channel: constructed to convey flows away from the existing sewer.
- Drop shaft: constructed to convey flows from the diversion sewer to tunnel depth.
- Adit: connects the drop shaft to the tunnel.



The Piney Branch Tunnel Project

Piney Branch Tunnel

The Piney Branch Tunnel will capture combined sewer overflows (CSOs) from the largest sewer outfall in Rock Creek Park CSO 049 and convey them to the Blue Plains Advanced Wastewater Treatment Plant. The Piney Branch Tunnel will reduce CSO overflow volume by 96% in an average year of rainfall.



CSO 049 – Dry Weather



CSO 049 – Wet Weather



Piney Branch Tunnel Site & Project Overview

Tunnel Facts

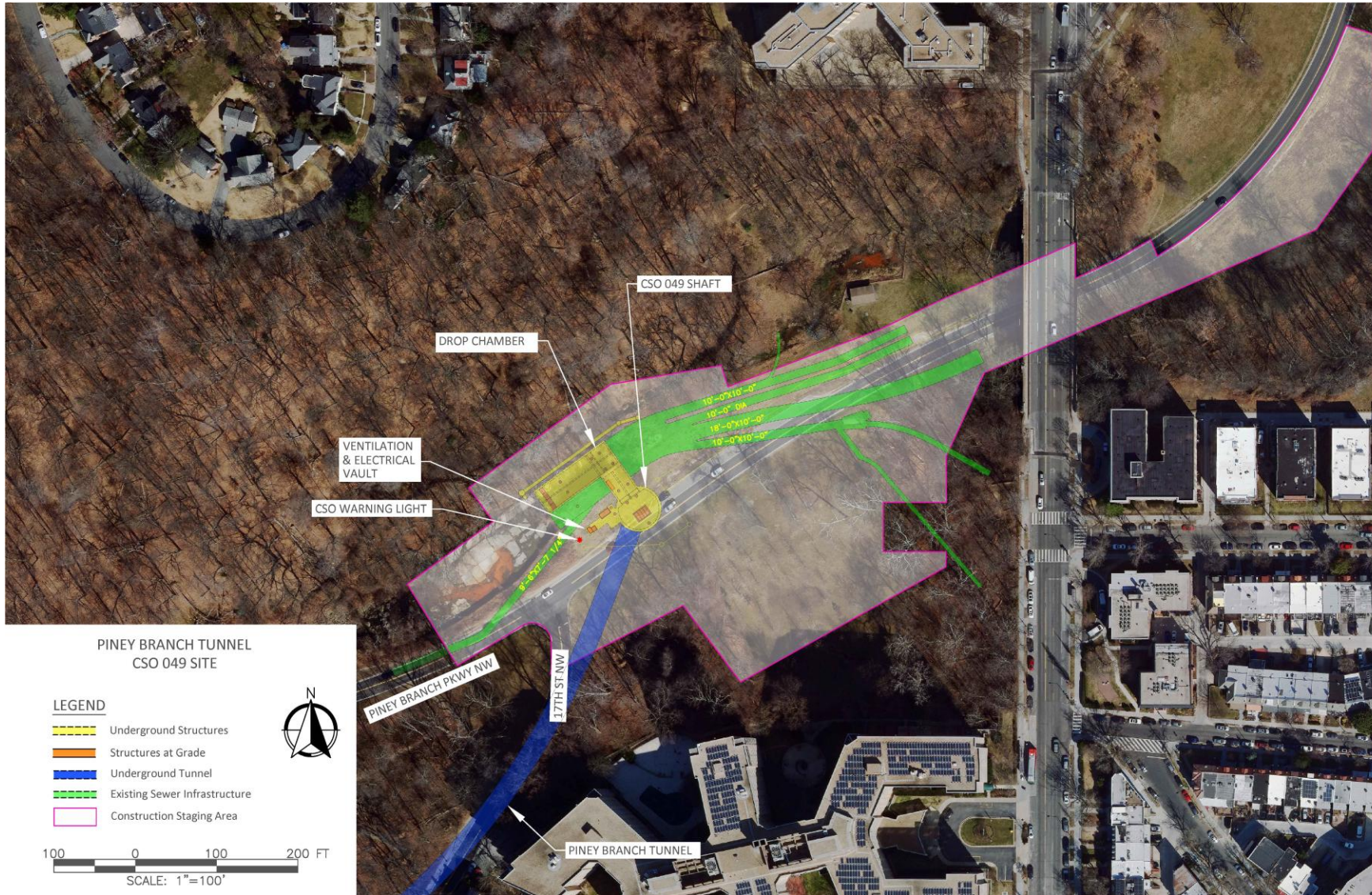
- Approximately 0.5 miles of 22-foot finished diameter reinforced concrete tunnel
- Tunnel will be excavated by drill and shoot and mechanized means
- Intercept and store overflow during rain event
- Discharge to sewer system by gravity after storm passes
- Construction 2025 to 2030
- Two Shaft Locations
 1. CSO 049
 2. Park Road



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

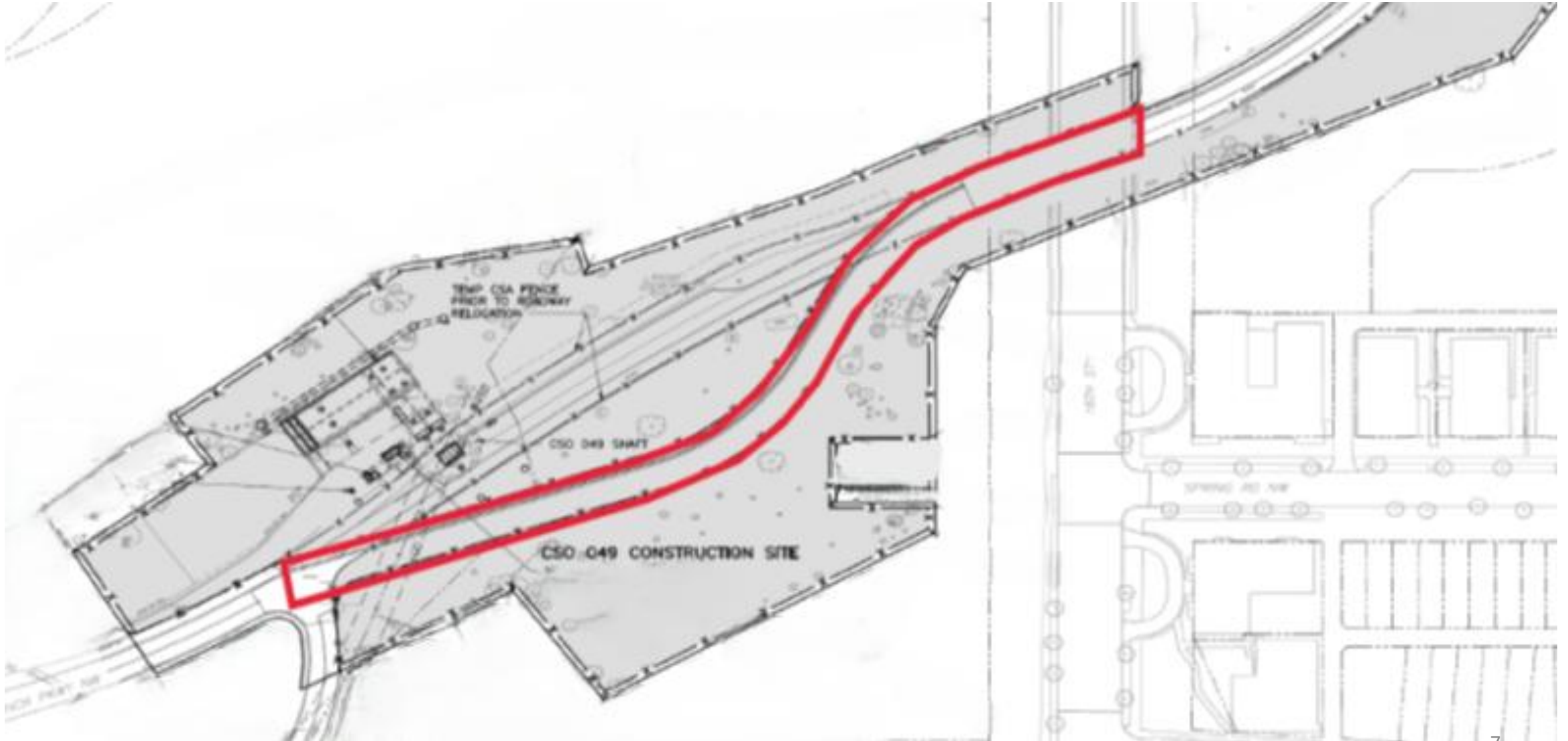


Piney Branch Tunnel – CSO 049 Construction





Next Steps – Piney Branch Parkway Relocation





Mitigations and Work Limits

Traffic Impacts	<ul style="list-style-type: none">• Piney Branch Parkway to be closed for up to 1 month both at the beginning and end of the project to facilitate the temporary roadway relocation. DC Water is coordinating with NPS and the Contractor to reduce the duration of closure.• During construction of the shaft and tunnel, one lane in each direction will be maintained along Piney Branch Parkway.• 17th Street utility impacts.
Pedestrian Impacts	<ul style="list-style-type: none">• Maintain pedestrian path along Piney Branch Parkway for the duration of the project.
Site Maintenance	<ul style="list-style-type: none">• Implement site security measures.• Placement of dust and rodent control measures.• Install tree protections for trees identified to remain.
Noise & Vibration Monitoring	<ul style="list-style-type: none">• Noise and Vibration levels will be monitored to meet DC Municipal Regulations (DCMR) noise standards during construction.• Implement noise and vibration mitigation measures as needed.
Pre & Post Construction Surveys	<ul style="list-style-type: none">• Residents in the area of influence may request a confidential pre-construction survey of their property to document baseline conditions prior to construction.• Post-construction surveys will be conducted for residents with pre-construction surveys to document the condition of the structures after construction.



Completed Work:

- Sediment and erosion controls
- Tree removal

Upcoming Work:

- Jan 2026 to May 2026
 - Security fence
 - Install construction offices
 - Temporary utilities
 - Relocate Piney Branch Parkway

Work Hours:

- Surface: Monday – Friday 7 am – 7 pm.*
- Hauling: Monday – Friday 7 am – 7 pm.*
- Below Grade (Tunnel Mining): 24 hours, 7 days

*Surface Work & Hauling: Saturday as needed.

Shaft Blasting Frequency and Duration:

- Blasting to start Late Summer/Fall 2026
 - 1 to 2 blasts per week
 - 4 to 6 total blasts
 - Approximately 2 months
- Monday – Saturday 7 am – 7 pm.
- No shaft blasting on Sunday
- No shaft and No shaft blasting during rush hour times or within 30 minutes before and after Bancroft Elementary School start time and end times.



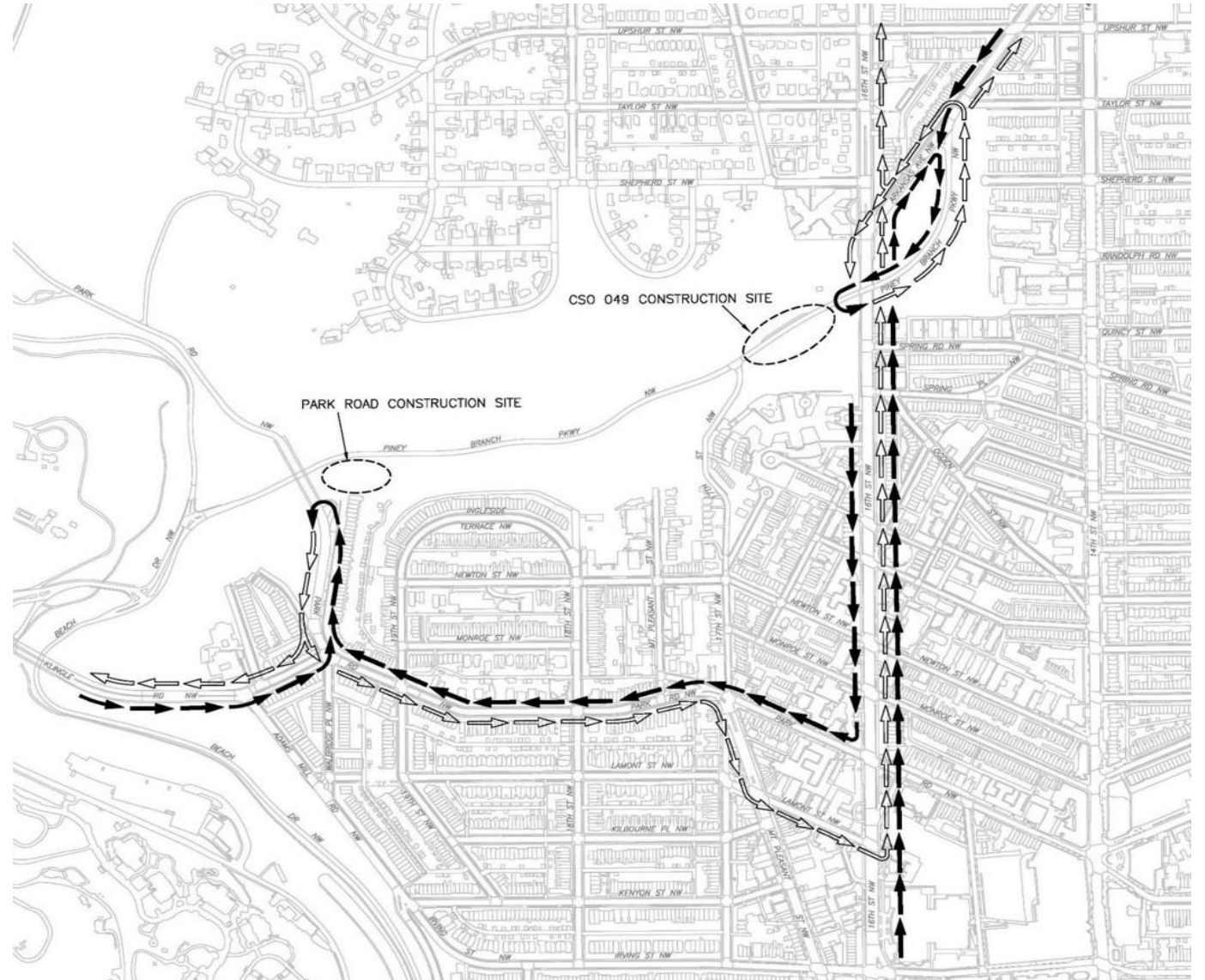
Project Hauling

Maintenance of Traffic (MOT) Set-up & Removal Hours

- Monday – Friday 9:30 am – 3:30 pm.
- Monday – Friday 7 pm – 5 am.

Hauling Hours

- Monday – Friday 7 am – 7 pm.
- *Hauling Saturday as needed.





What Are The Benefits

- Improve water quality by greatly reducing combined sewer overflows to the Piney Branch, Rock Creek, and eventually the Potomac River.
- Reduce CSOs by 96 percent in an average year of rain, decrease trash, debris, risks to human health, and improve aesthetics of Piney Branch and Rock Creek.
- Improve habitat for fish, wildlife, and plants throughout the river environment.



EXISTING CONDITION



PROPOSED CONDITION



Questions?

Contact Information

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