



Clean Rivers Project - Potomac River Tunnel

Washington Area Bicyclist Association

April 10, 2024



Moussa Wone, Vice President, DC Clean Rivers Project

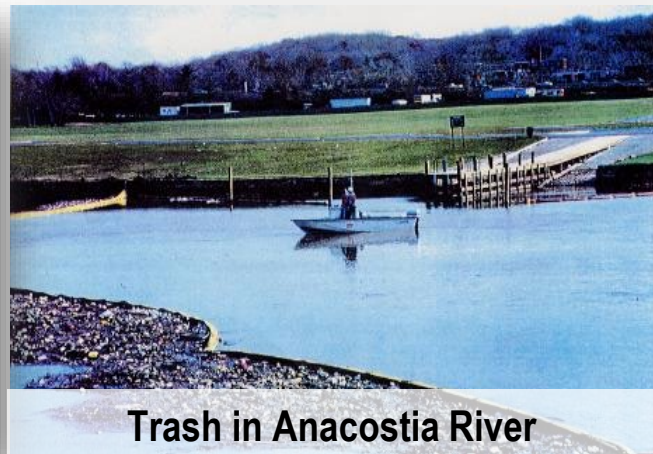
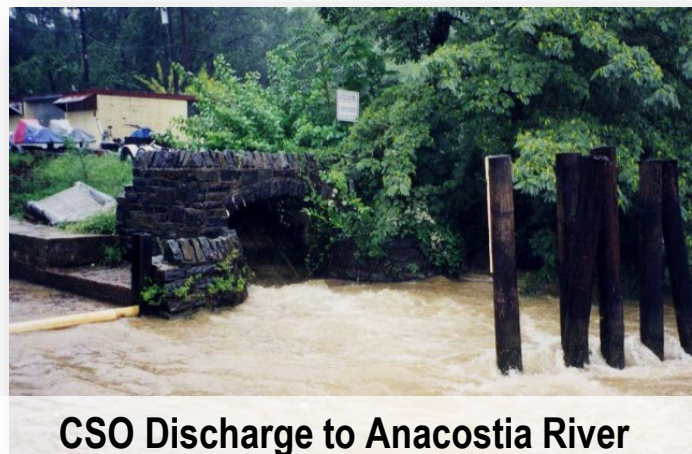
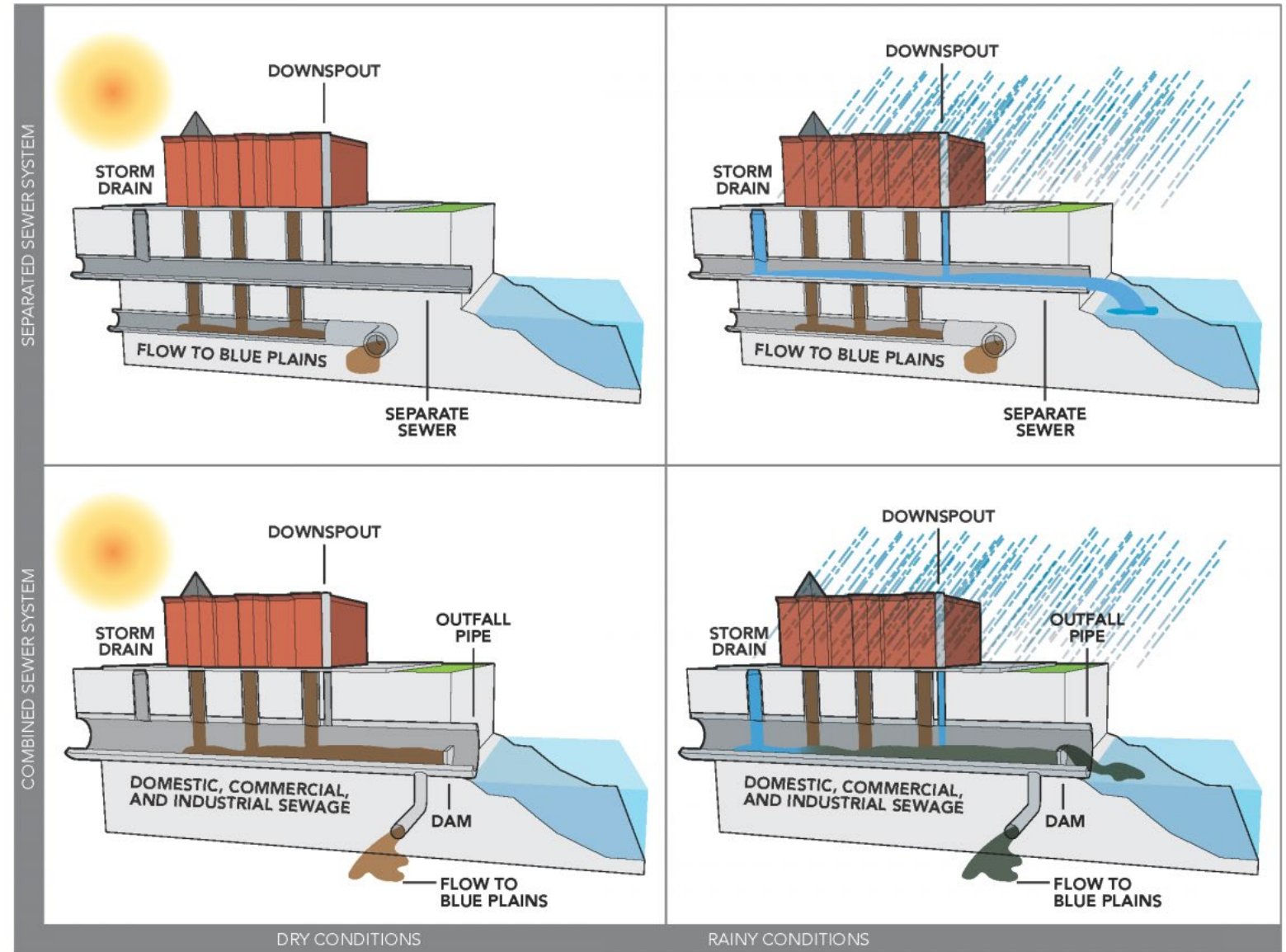
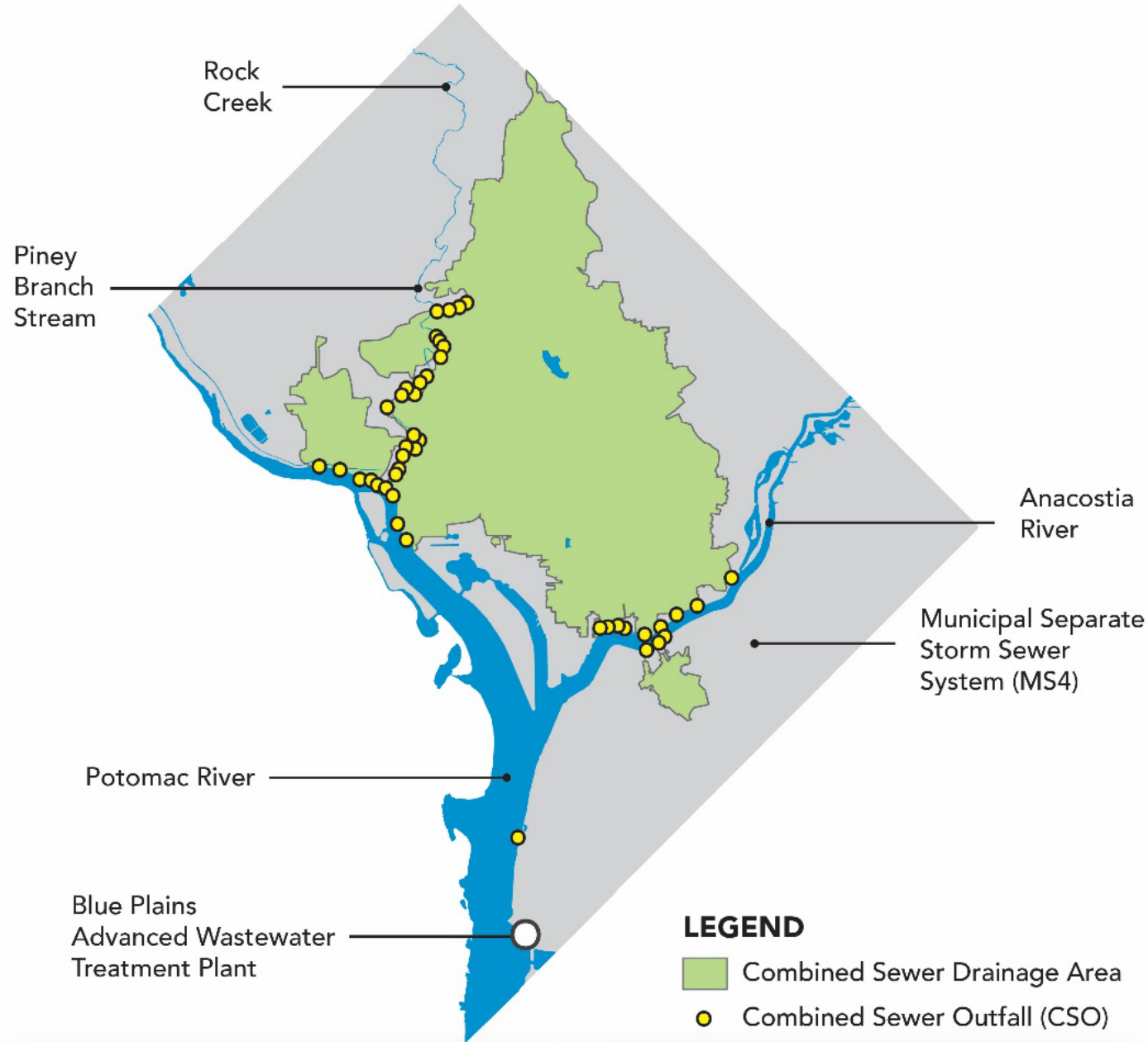
1. Team Introduction and Purpose of the Meeting
2. DC Clean Rivers
 - 1) Combined Sewer System in the District
 - 2) Clean Rivers Project and Performances
 - 3) General Construction Process
 - 4) Public Outreach and Engagement
3. Potomac River Tunnel Project Sites
 - 1) Potomac River Tunnel
 - 2) Anticipated Schedule
 - 3) WPP Site
4. Contact Information & Questions

Team Introduction and Purpose of the Meeting

DC Clean Rivers



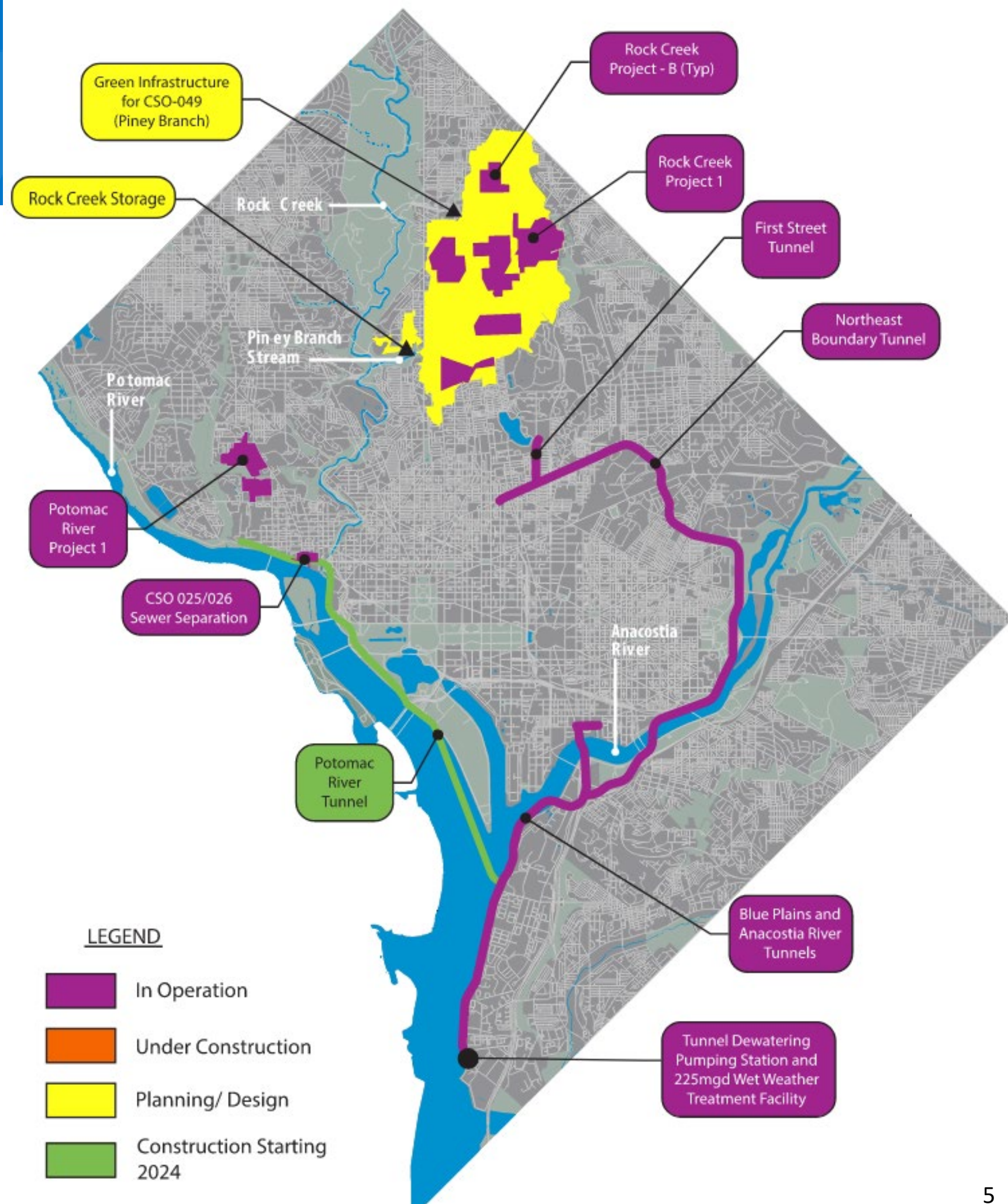
Combined Sewer System in the District



- 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

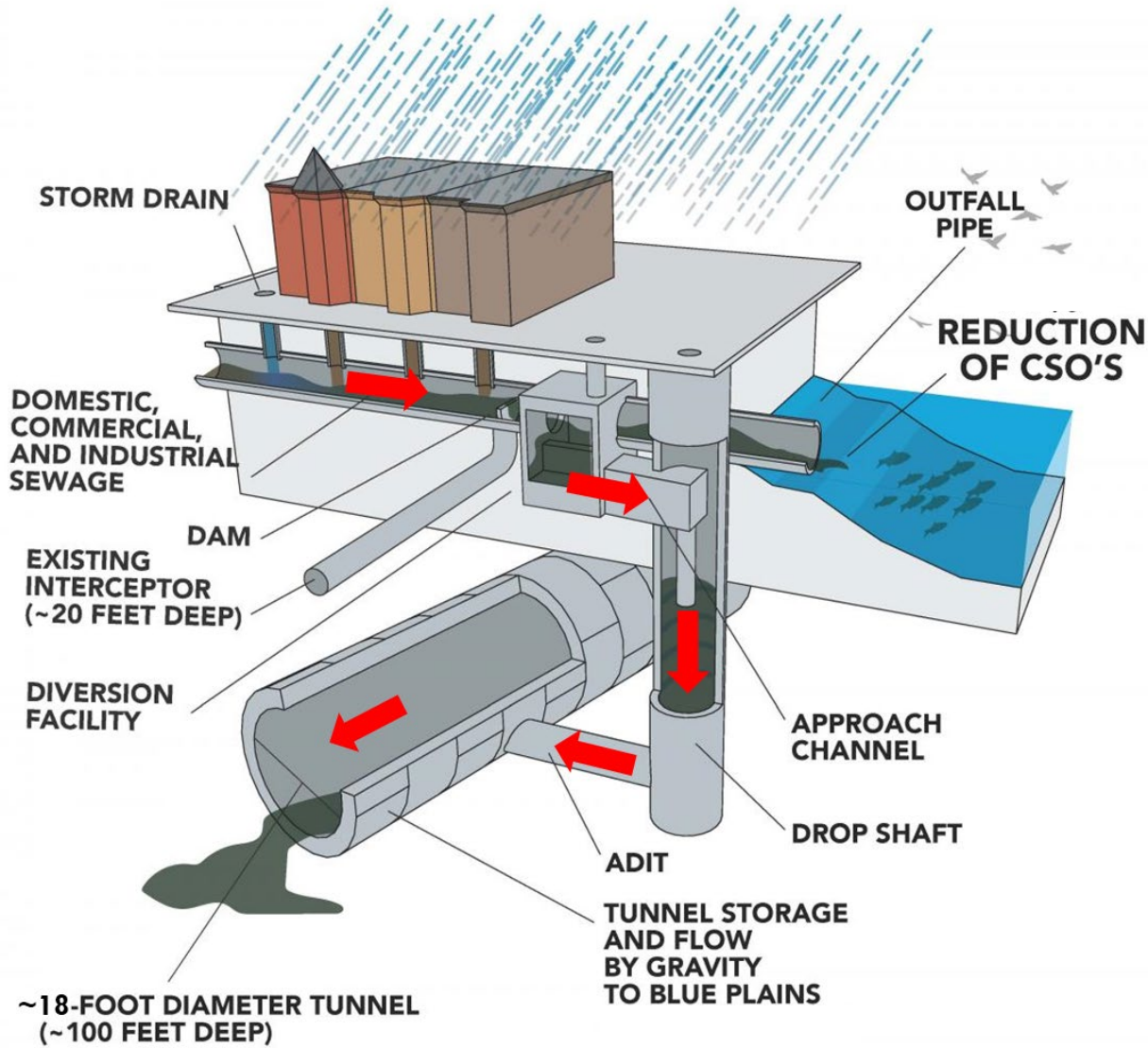
DC CLEAN RIVERS PROJECT AND NITROGEN REMOVAL PROGRAMS

- 💧 DC Clean Rivers Project: \$2.99 Billion
- 💧 Nitrogen Removal: \$950 Million
- 💧 Total > \$ 3.4 Billion
- 💧 25 yr implementation (2005 – 2030)
- 💧 96% reduction in CSOs
- 💧 Approx. 1 million lbs/yr nitrogen reduction



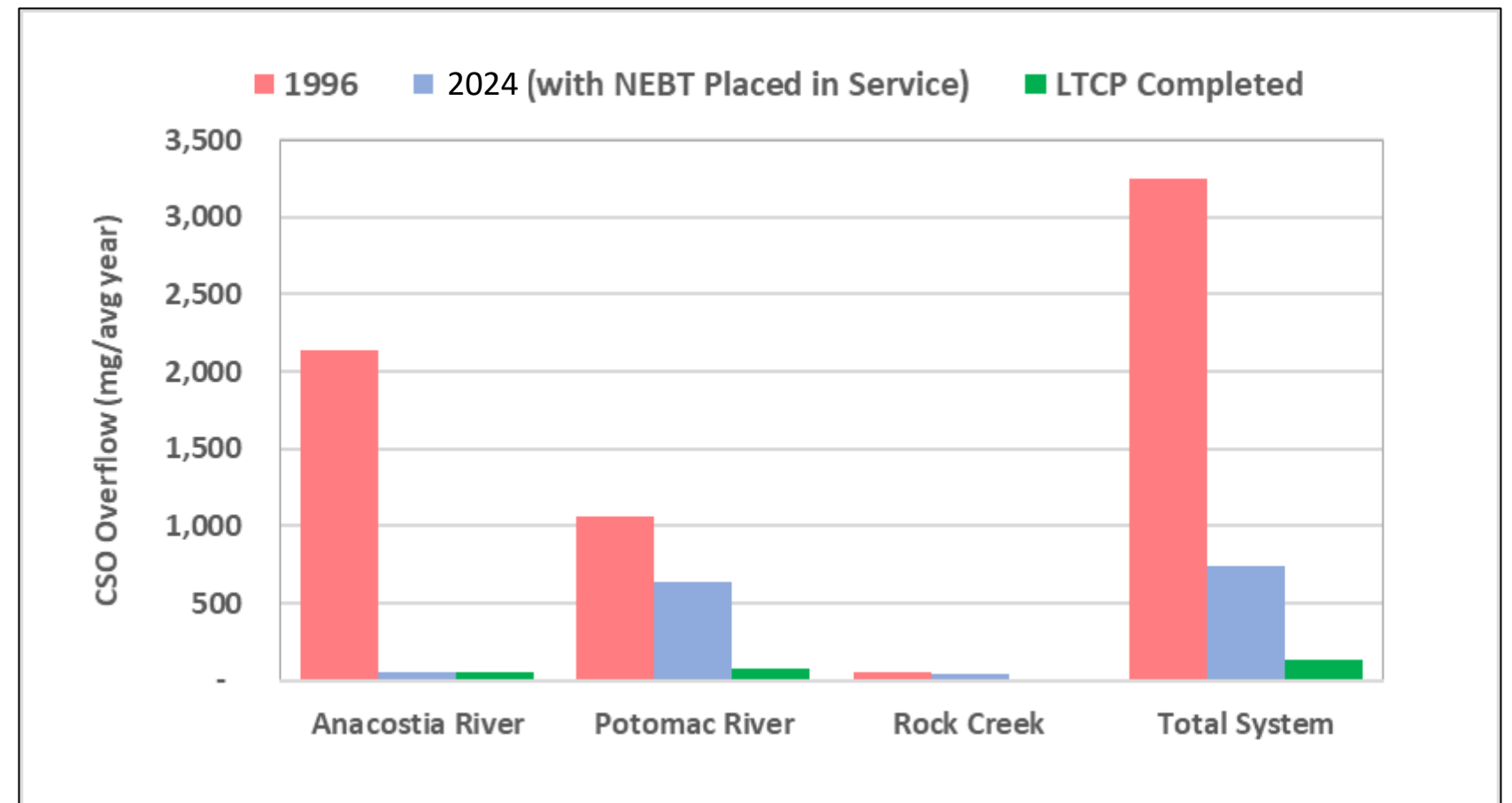


Clean Rivers Project Performance



Parameter	Phase	Anacostia River	Potomac River	Rock Creek	Total
CSO Volume (mg/avg year)	DC Water created (1996)	2,142	1,063	49	3,254
	Clean Rivers complete	54	79	5	138
	% reduction	98%	93%	90%	96%
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



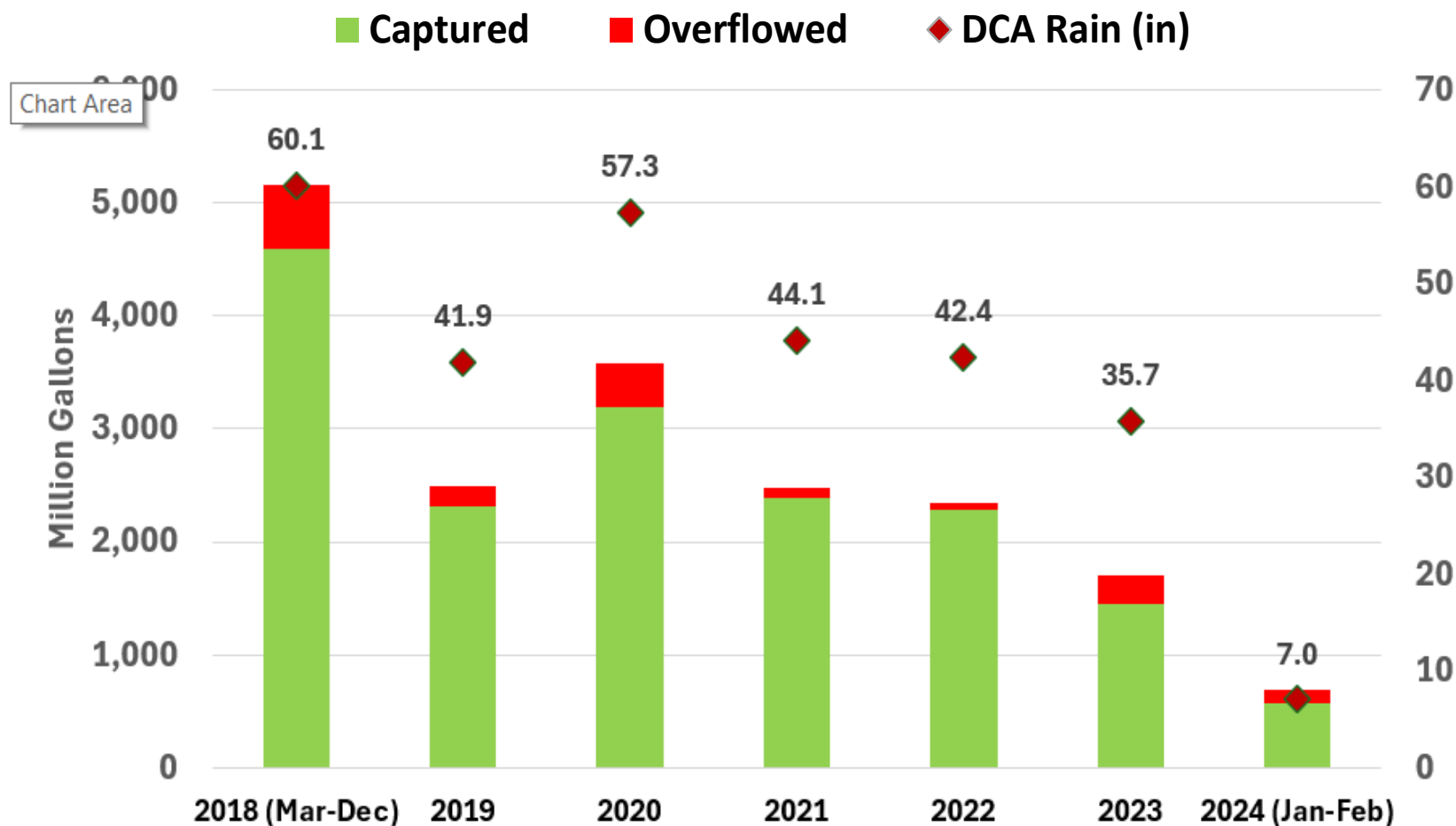
Project is required by a Consent Decree signed by EPA, DOJ, District of Columbia & DC Water



Anacostia Tunnel System Performance to Date

- Over **16.8 billion gallons of CSOs** captured March 2018 – February 2024
- Over **10,339 tons of trash**, debris, and other solids captured
- Exceeding predicted capture rate (**91% > 80%**)

Anacostia Tunnel System Performance



Trash, Debris and Solids Removed at Blue Plains from Anacostia Tunnel System



General Construction Process

- 24/7 Project Hotline
- Work Hours
 - Anticipated Weekdays: 7:00am – 7:00pm
 - Weekend work may be considered
- Water and sewer services
 - Continued service anticipated
- Site conditions
 - Site secured at the end of each workday
 - Site restored in kind per DDOT requirements at construction completion
- Site Security
 - Signage
 - Barriers or fencing
- Vibration and noise monitoring and mitigation, dust control, and rodent control will be in place throughout project.
- Access for garbage collection, other contractors, handicap access, home health care needs, etc. to be provided as needed
- Tree Protection
 - Tree protection will be provided as necessary and as required by NPS/Urban Forestry Administration permit

We are committed to:

- Providing regular updates and communication to Councilmember Pinto's office, Mayor's office, Georgetown BID, impacted ANCs, businesses, and residents.
- Maintaining a 24-hour project hotline and a project email address
- Coordinating with major event organizers such as Cherry Blossom Festival, Marine Corp Marathon, etc.
- Hosting numerous public meetings and community day events to increase project awareness
- Advanced notification to all impacted stakeholders
- Maintaining the project website and providing updates throughout the construction phase at www.dewater.com/prt
- Providing updates to our email distribution list and door-to-door canvassing as needed
- Receiving input from the affected neighbors through community meetings and presentations, and via our project hotline and email
- Attending ANC meetings and other community meetings as needed
- Coordination with property managers at surrounding business and residential buildings.

Potomac Tunnel Work Sites



Potomac River Tunnel

Project

- Approx 5.5 miles of 18' ID finished tunnel
 - 2.4 miles in rock (north)
 - 3.1 miles in soil (south)
- 7 shafts
- Connection to existing Tunnel System

Schedule

- NTP: Nov 2023
- Construction Start: 2024
- Consent Decree Deadline: 2030

LEGEND

- Potomac River Tunnel
- Anacostia River Tunnel System
- Construction Site With Diversion Facility
- West Potomac Park Site
- ⊗ Connection to Blue Plains Tunnel and JBAB Overflow Site



SITE LOCATIONS

- CSO 029**
Georgetown University: West of Canal Road Entrance
- CSO 028**
Georgetown: Capital Crescent Trail west of Aqueduct
- CSO 027**
Georgetown: Georgetown Waterfront Park
- CSO 024**
Georgetown: K St NW and 30th St NW
- CSO 022**
Rock Creek Trail west of the Watergate Complex
- CSO 021**
Victoria Park at Kennedy Center
- CSO 020**
West side of the Park at Lincoln Memorial
- West Potomac Park**
West Potomac Park Field #7
- Tunnel Connection to JBAB**
Riverfront location at Joint Base Anacostia-Bolling



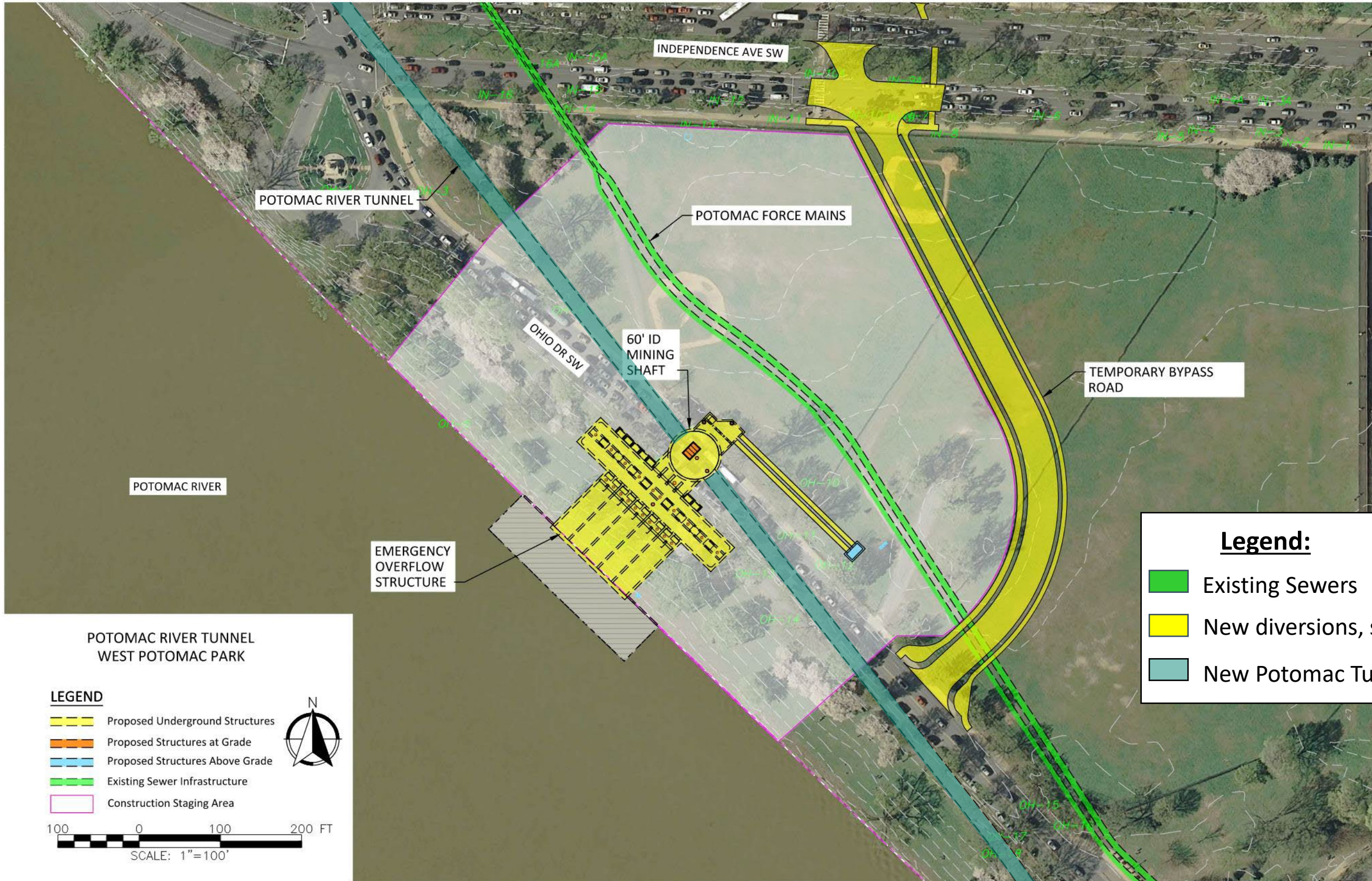
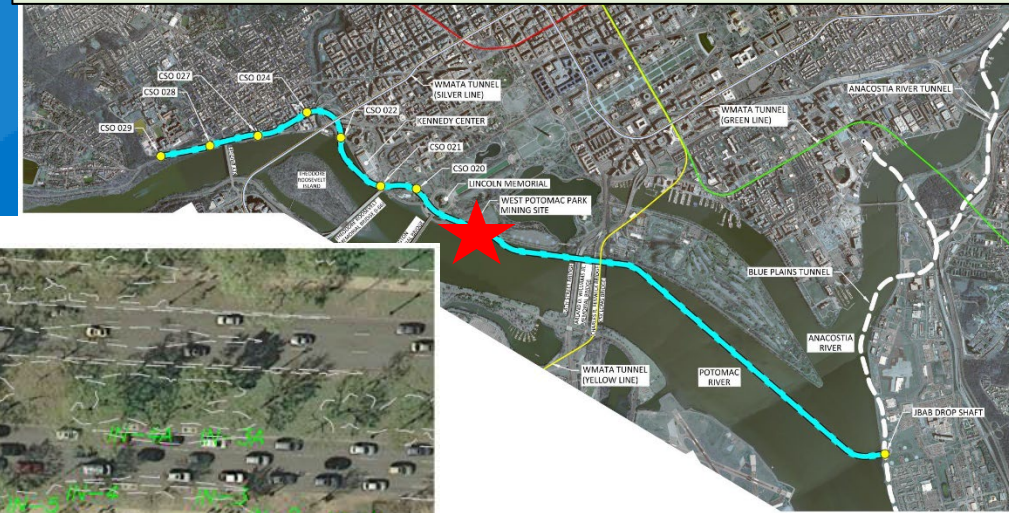
Anticipated Schedule (Simplified)

Legend

- Planned work
- Work may be performed pending construction progress/schedule adjustments

Activity	2024				2025				2026				2027				2028				2029				2030			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
West Potomac Park	Planned work				Planned work				Planned work				Planned work				Planned work				Planned work				Planned work			
CSO 022 (Watergate)	Planned work				Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments					
CSO 028 (C&O Canal at Key Bridge)	Planned work				Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments					
CSO 027 (Potomac and K St NW)	Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments									
CSO 024 (30th and K St NW)	Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments									
CSO 020	Planned work				Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments					
CSO 029 (Georgetown University)	Planned work				Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments		Work may be performed pending construction progress/schedule adjustments					
CSO 021 (Kennedy Center)	Planned work				Planned work				Planned work				Planned work				Planned work				Planned work				Work may be performed pending construction progress/schedule adjustments			
JBAB	Planned work				Planned work				Planned work				Planned work				Planned work				Planned work				Planned work			

Schedules subject to change



Legend:

- Existing Sewers
- New diversions, shafts and other facilities
- New Potomac Tunnel & Adits

**POTOMAC RIVER TUNNEL
WEST POTOMAC PARK**

LEGEND

- Proposed Underground Structures
- Proposed Structures at Grade
- Proposed Structures Above Grade
- Existing Sewer Infrastructure
- Construction Staging Area

100 0 100 200 FT
SCALE: 1"=100'

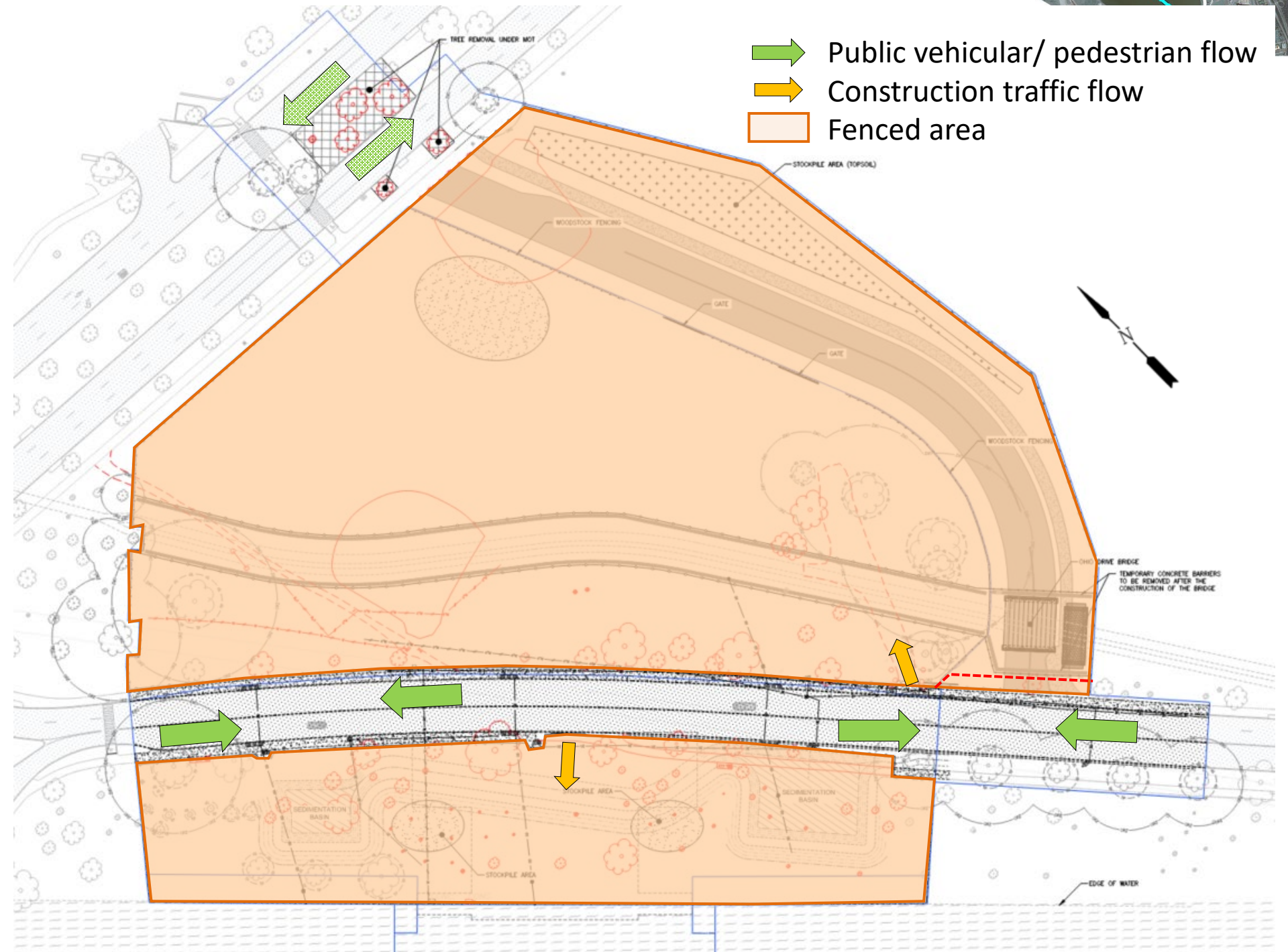


WPP Site – Current Work Phase

Anticipated Construction:
2024 through 2030 (planned)



- 2 fenced areas on both sides of Ohio Dr
- Construction accesses on both sides of the road



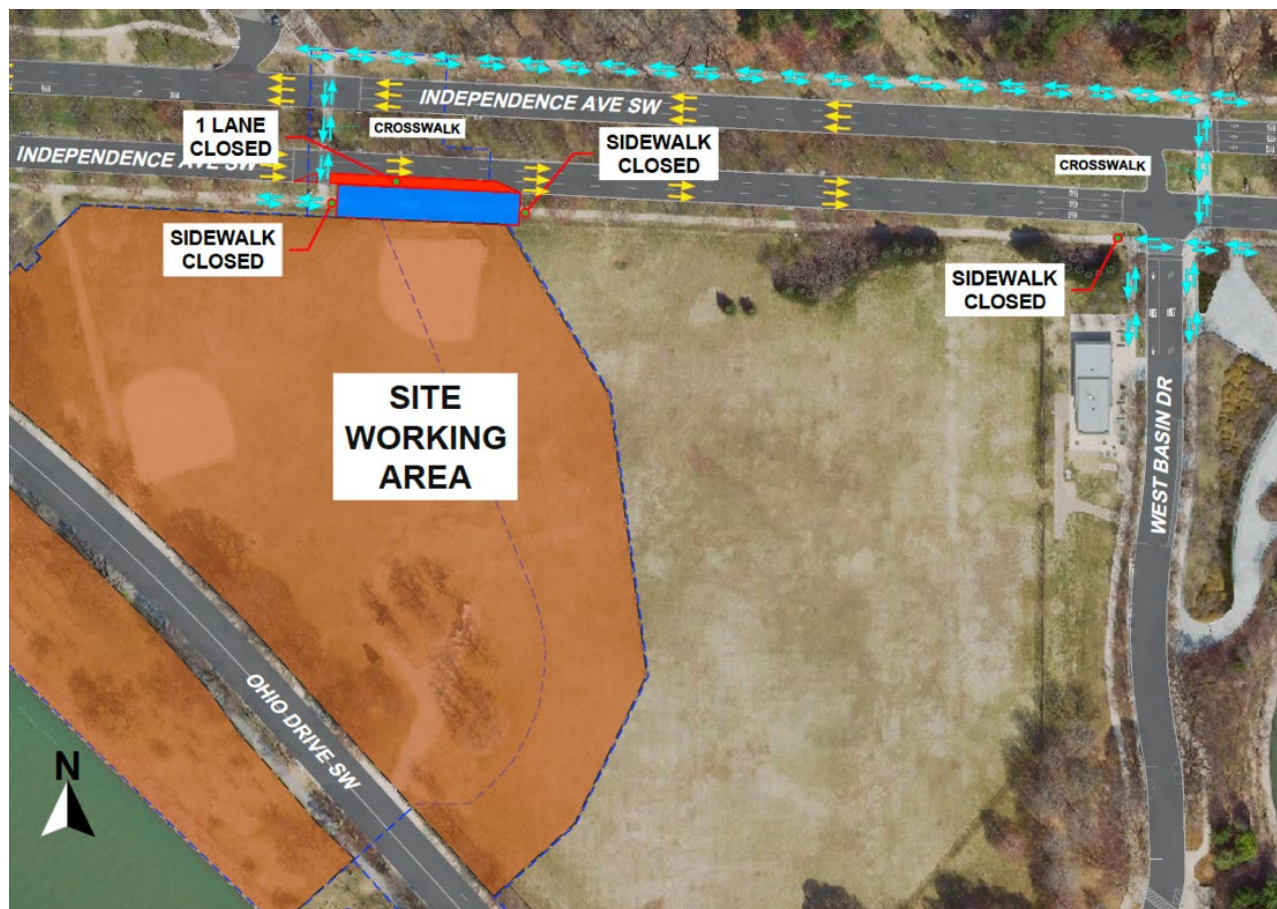


WPP Site – Current Work Phase

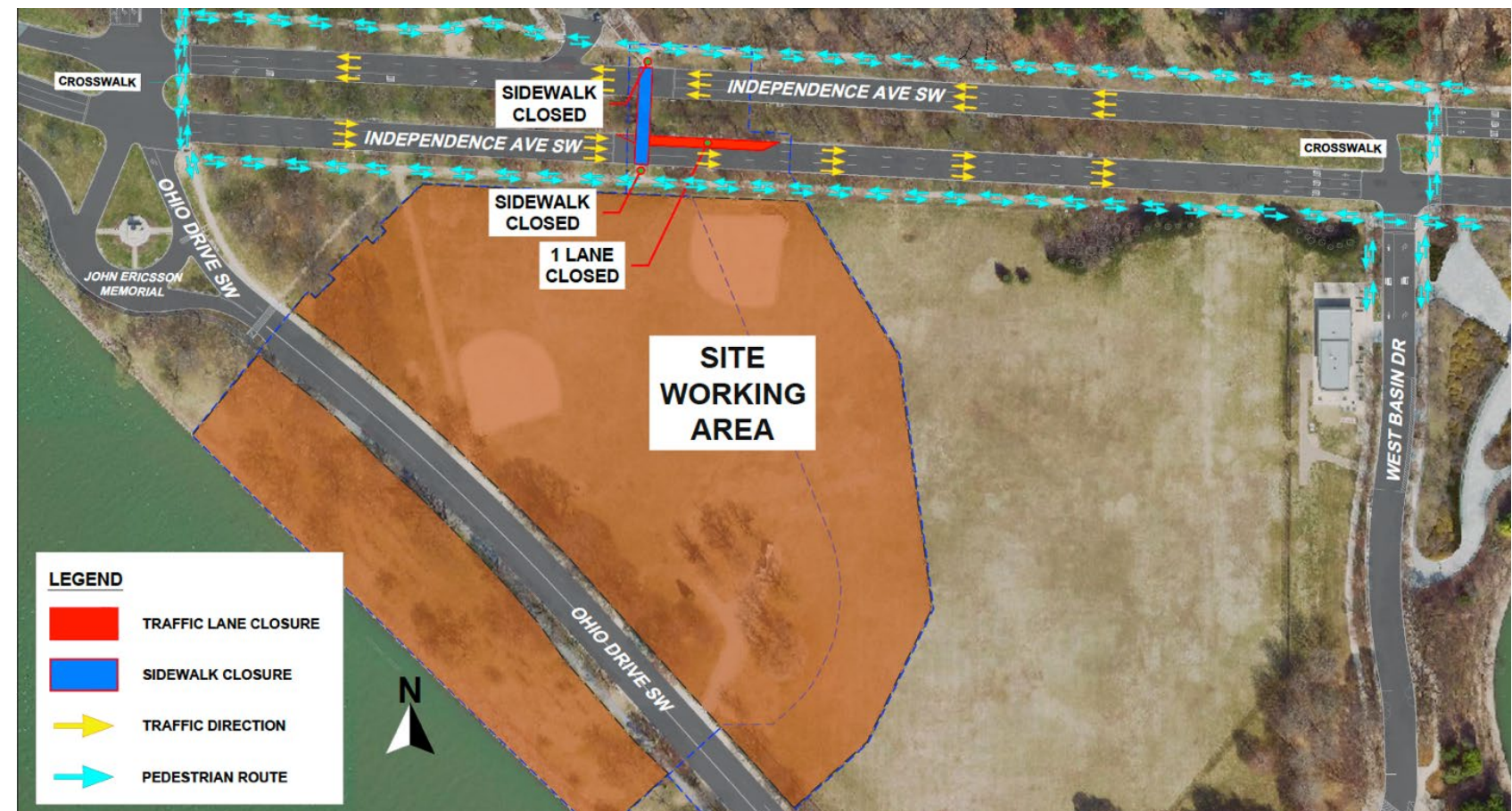
Anticipated Construction:
2024 through 2030 (planned)



- Temporary sidewalk/lane closures on Independence Ave after Cherry Blossom Festival (mid April) for utility investigation (1 week)



Map C: Sidewalk and lane closure (Independence Ave, SW)

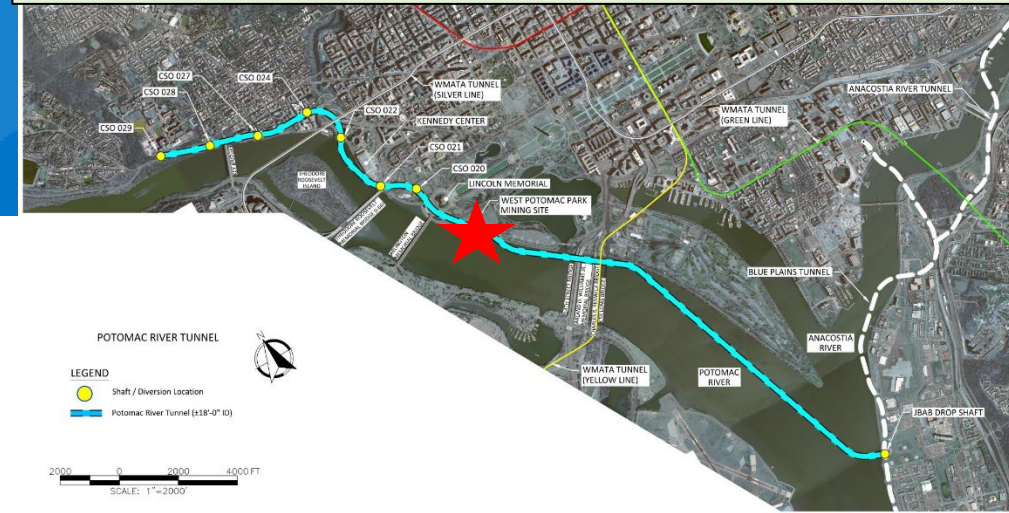


Map D: Crosswalk and lane closure (Independence Ave, SW)



WPP Site – Current Work Phase

Anticipated Construction:
2024 through 2030 (planned)



- Temporary sidewalk/lane closures on Independence Ave after Cherry Blossom Festival (mid April) for utility investigation (1 week)



Map E: Lane closure
(Independence Ave, SW)

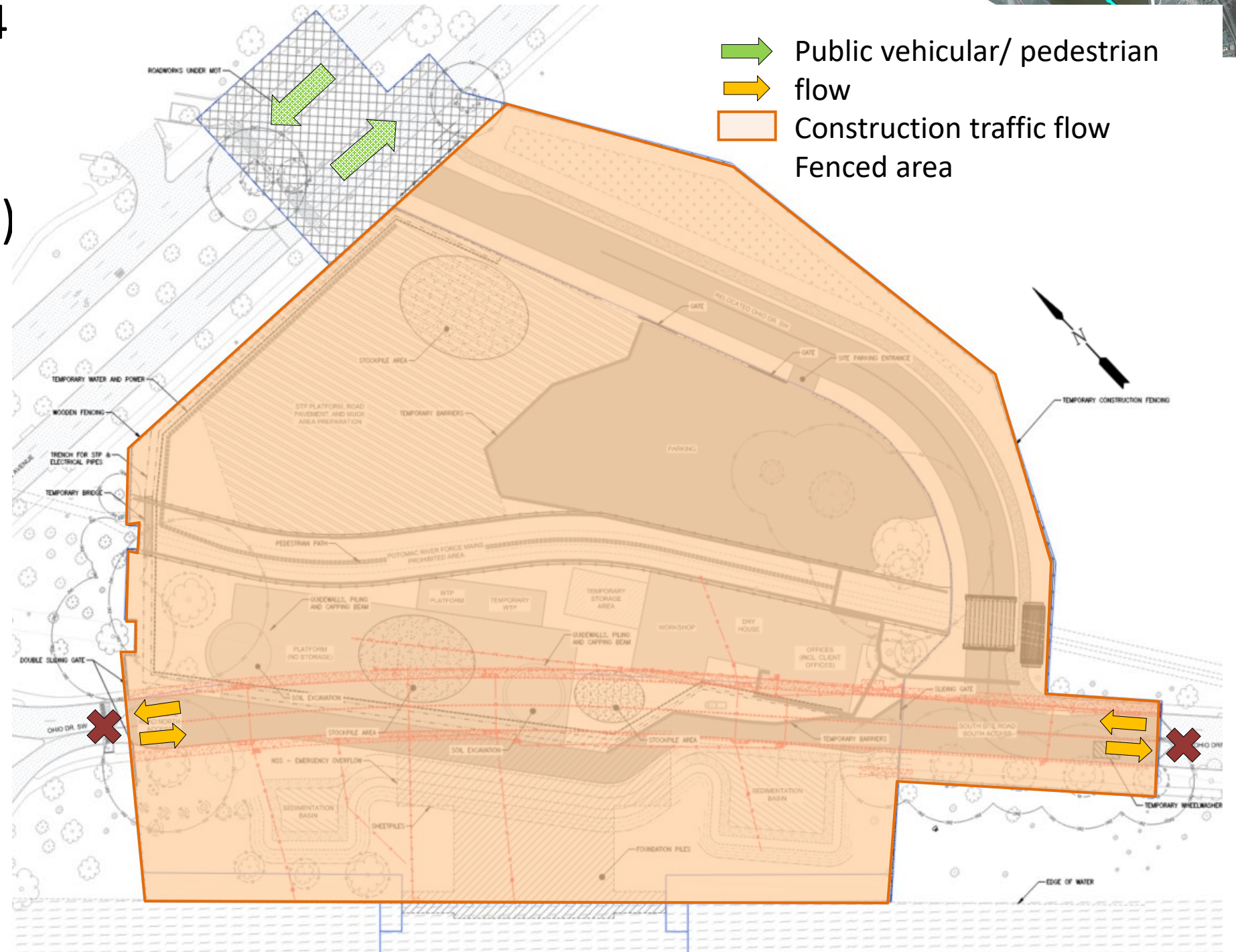


WPP Site – Spring 2024

Anticipated Construction:
2024 through 2030 (planned)

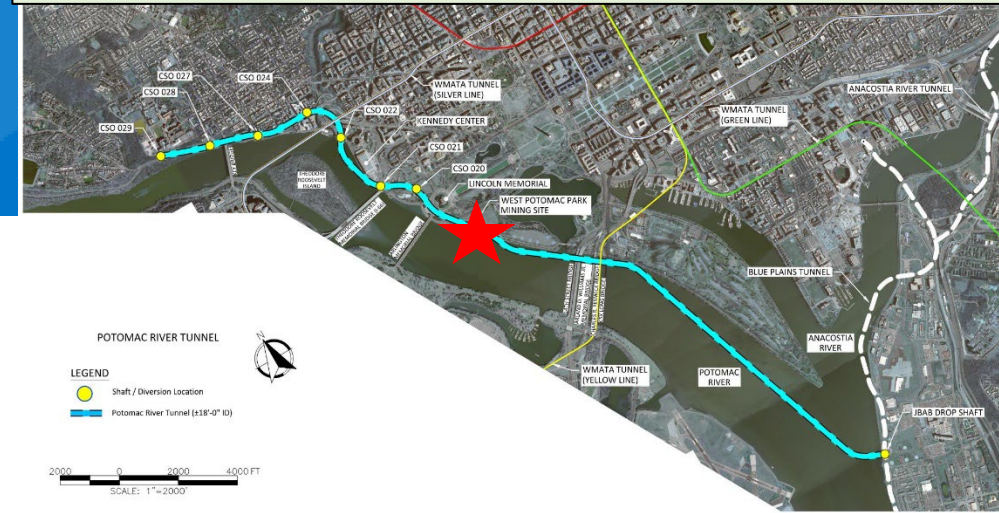


- Closure of Ohio Dr SW on April 29, 2024
- Opening of an alternative road within 4 months
- Construction access on Ohio Dr (main access close to John Ericsson memorial)



dc WPP Site – Spring 2024

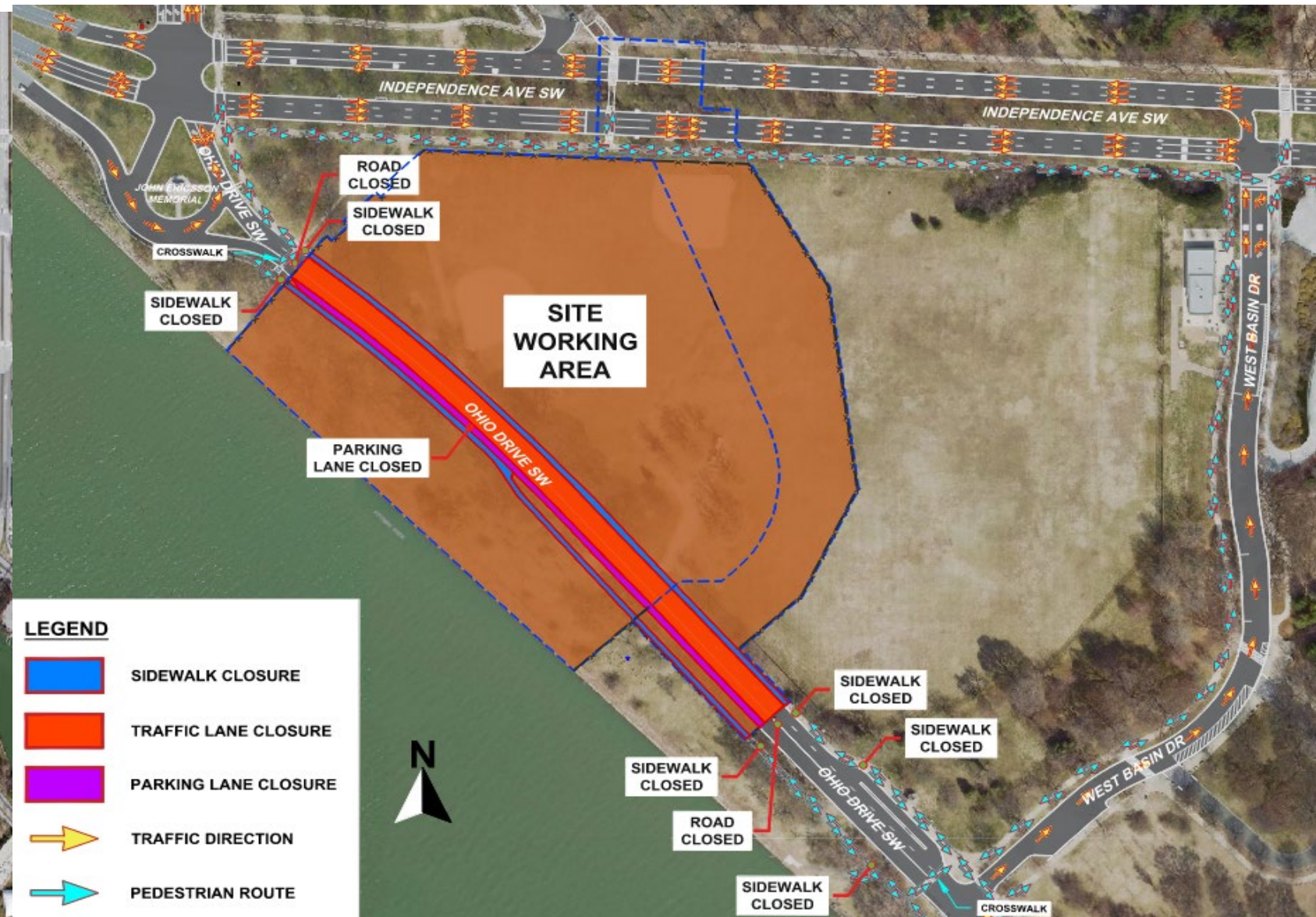
Anticipated Construction:
2024 through 2030 (planned)



- Closure of Ohio Dr SW on April 29, 2024, for 4 months
- Detour on West Basin Dr

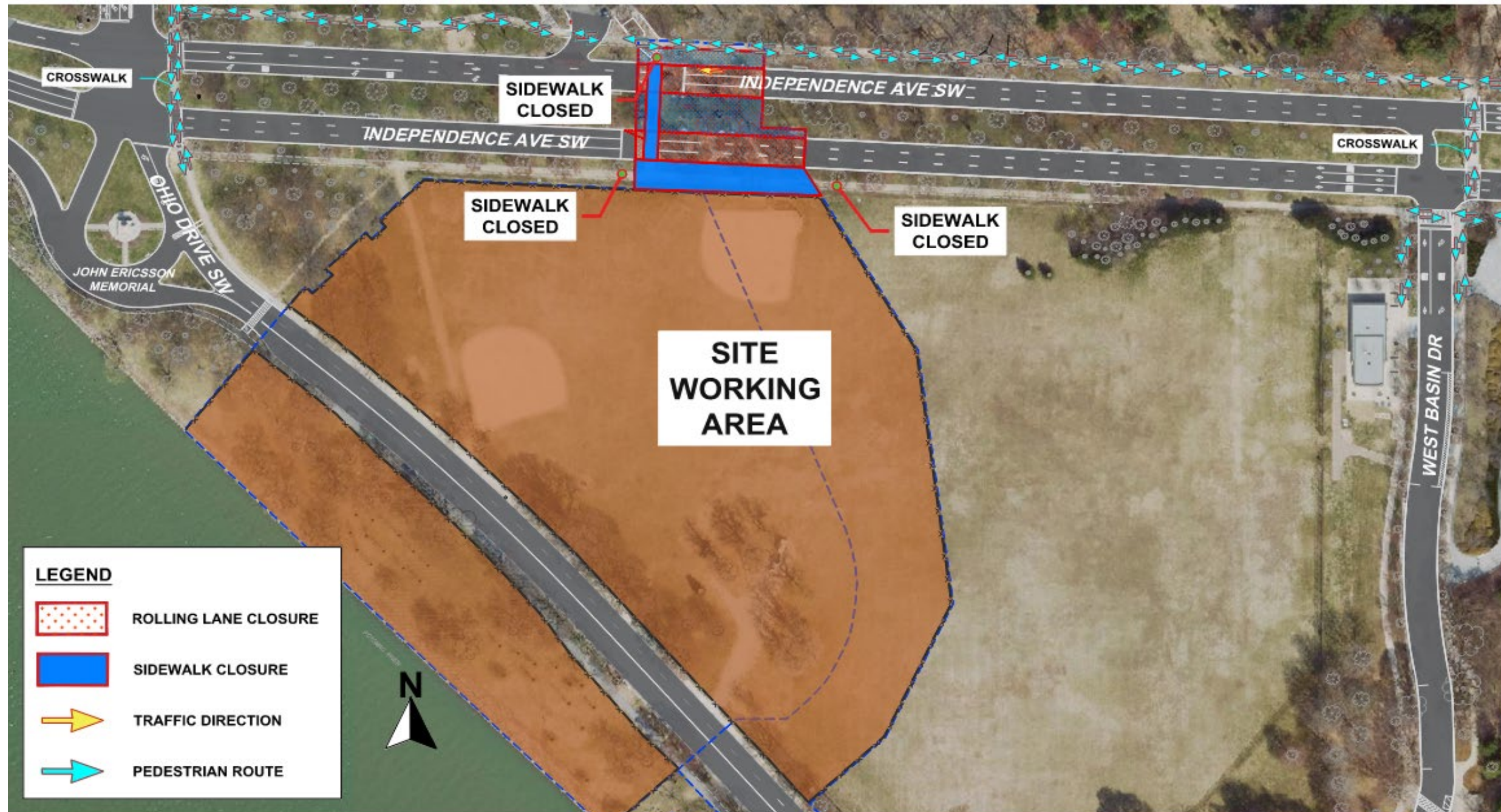
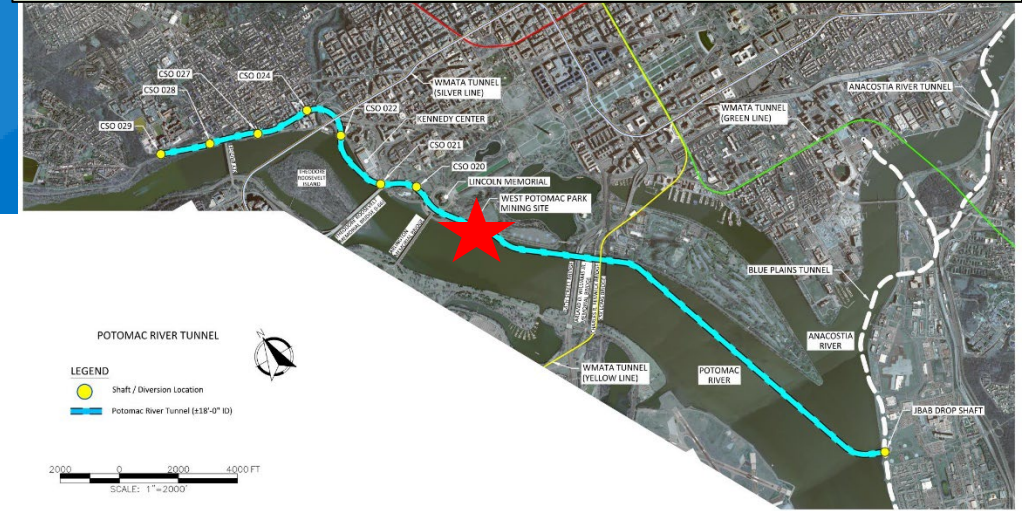


1. Recommended motorist detour



2. Recommended pedestrian/bicycle detour via West Basin Dr

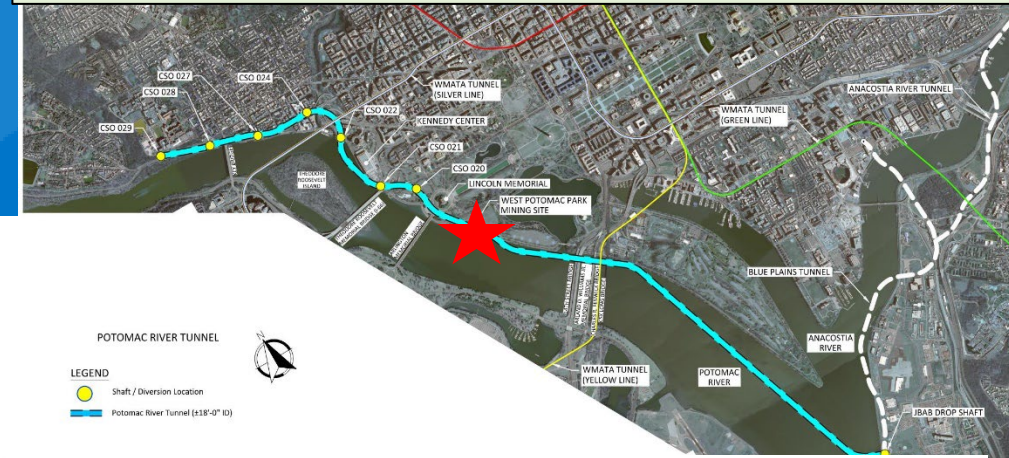
- Temporary sidewalk/lane closures on Independence Ave from mid May to mid August 2024 for construction of the bypass road



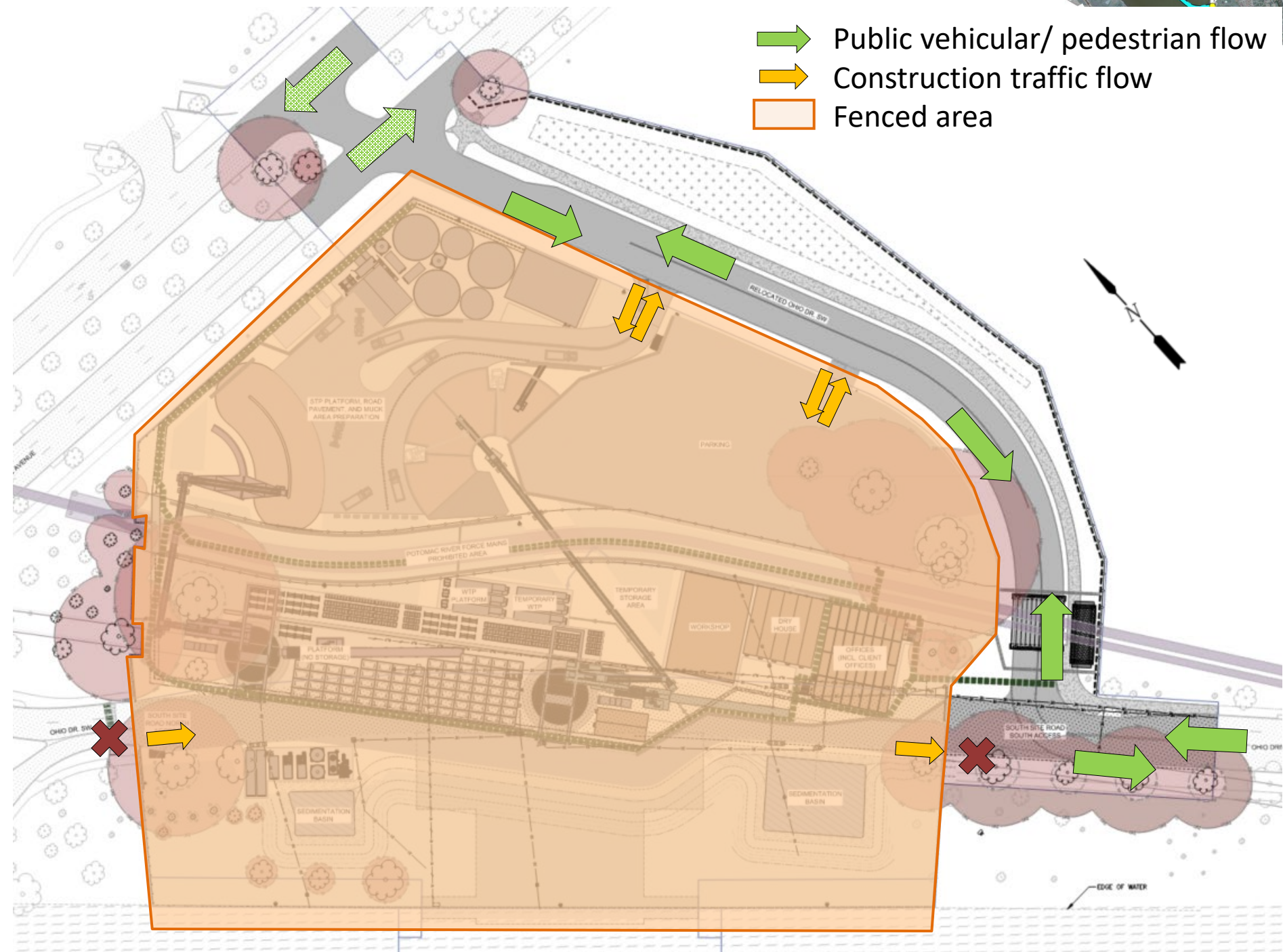


WPP Site – Summer 2024 to 2030

Anticipated Construction:
2024 through 2030 (planned)



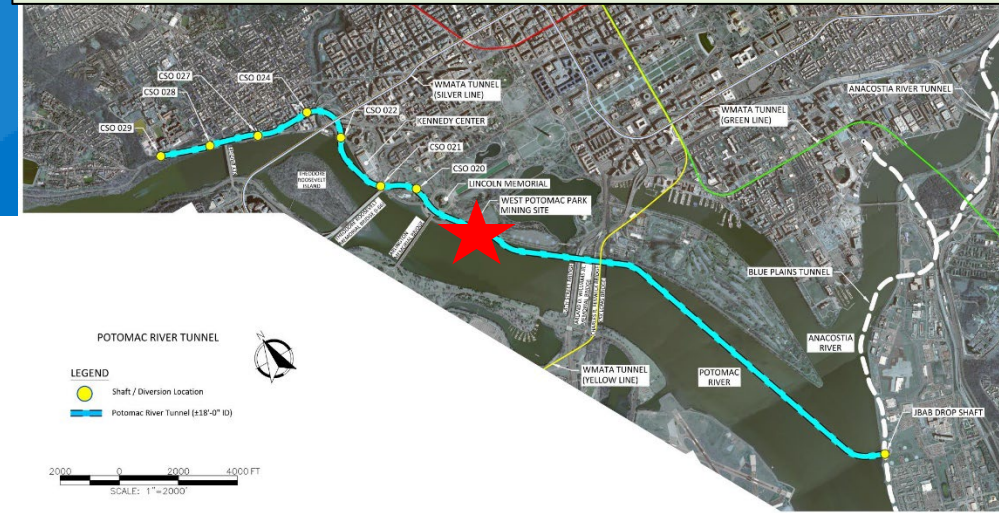
- Opening of relocated Ohio Dr
- Includes a shared pedestrian/bicycle lane
- 2 construction accesses on the new bypass road



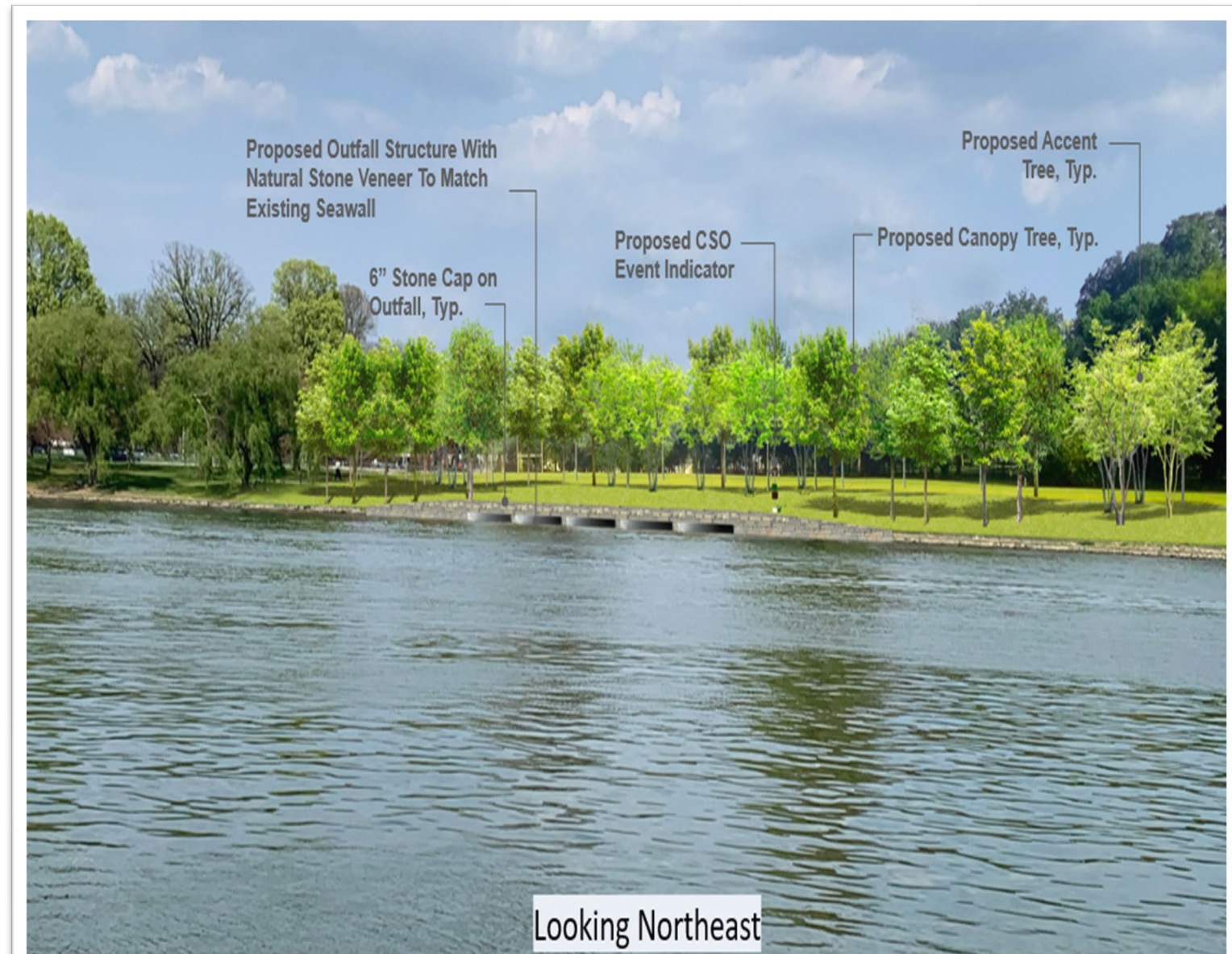
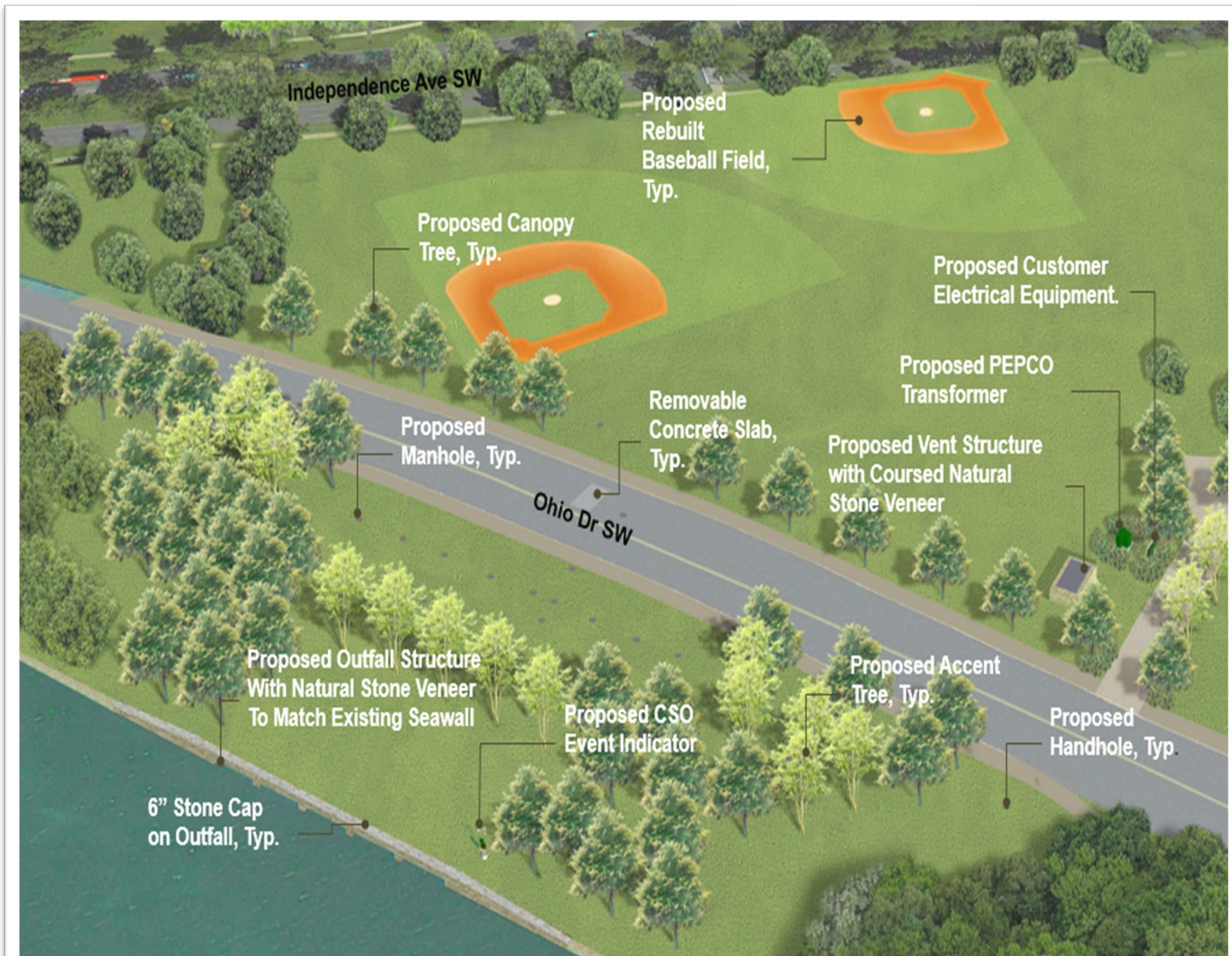


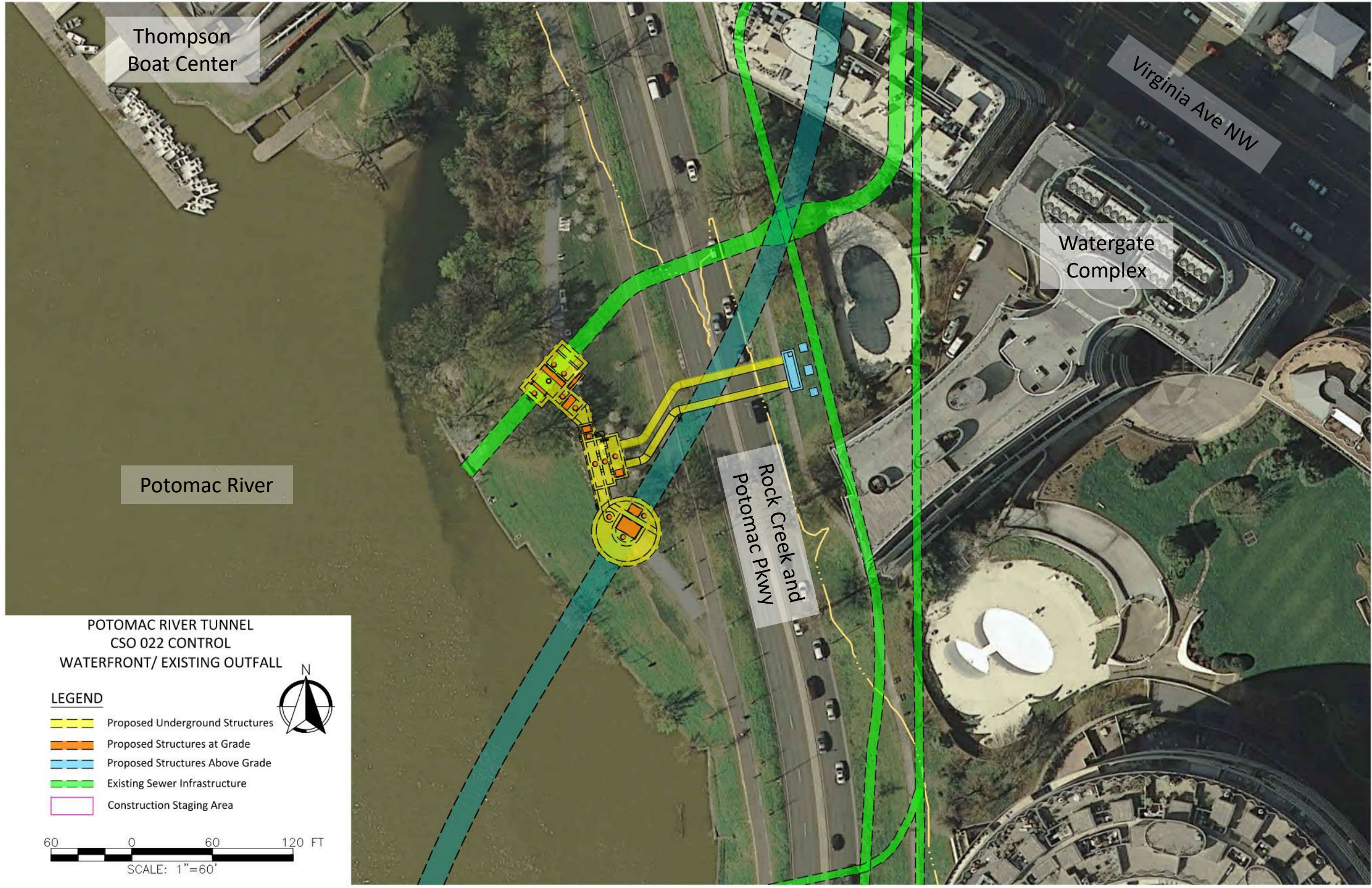
WPP Site – Site Restoration

Anticipated Construction:
2024 through 2030 (planned)



- Restoration of the existing Ohio Dr roadway to its original location at the end of the project (2030)



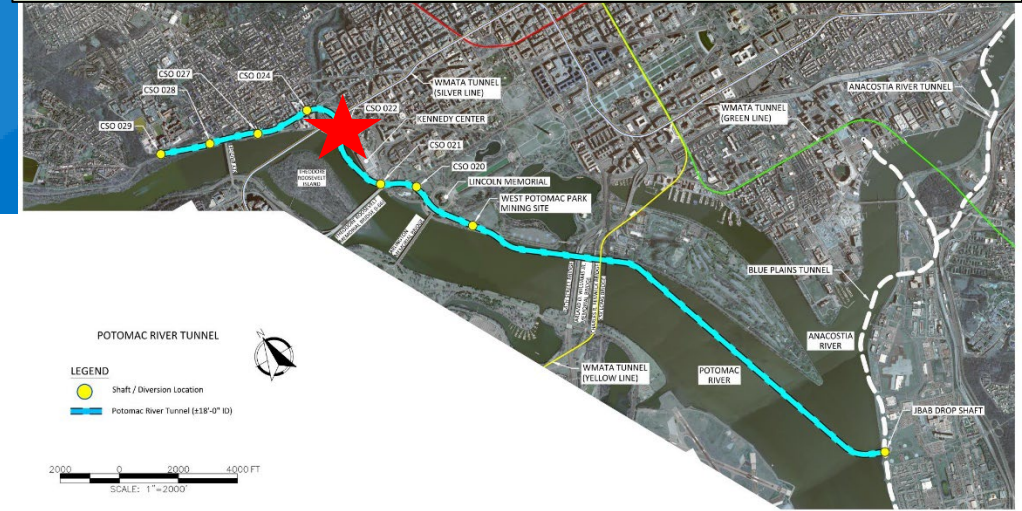


POTOMAC RIVER TUNNEL
CSO 022 CONTROL
WATERFRONT/ EXISTING OUTFALL

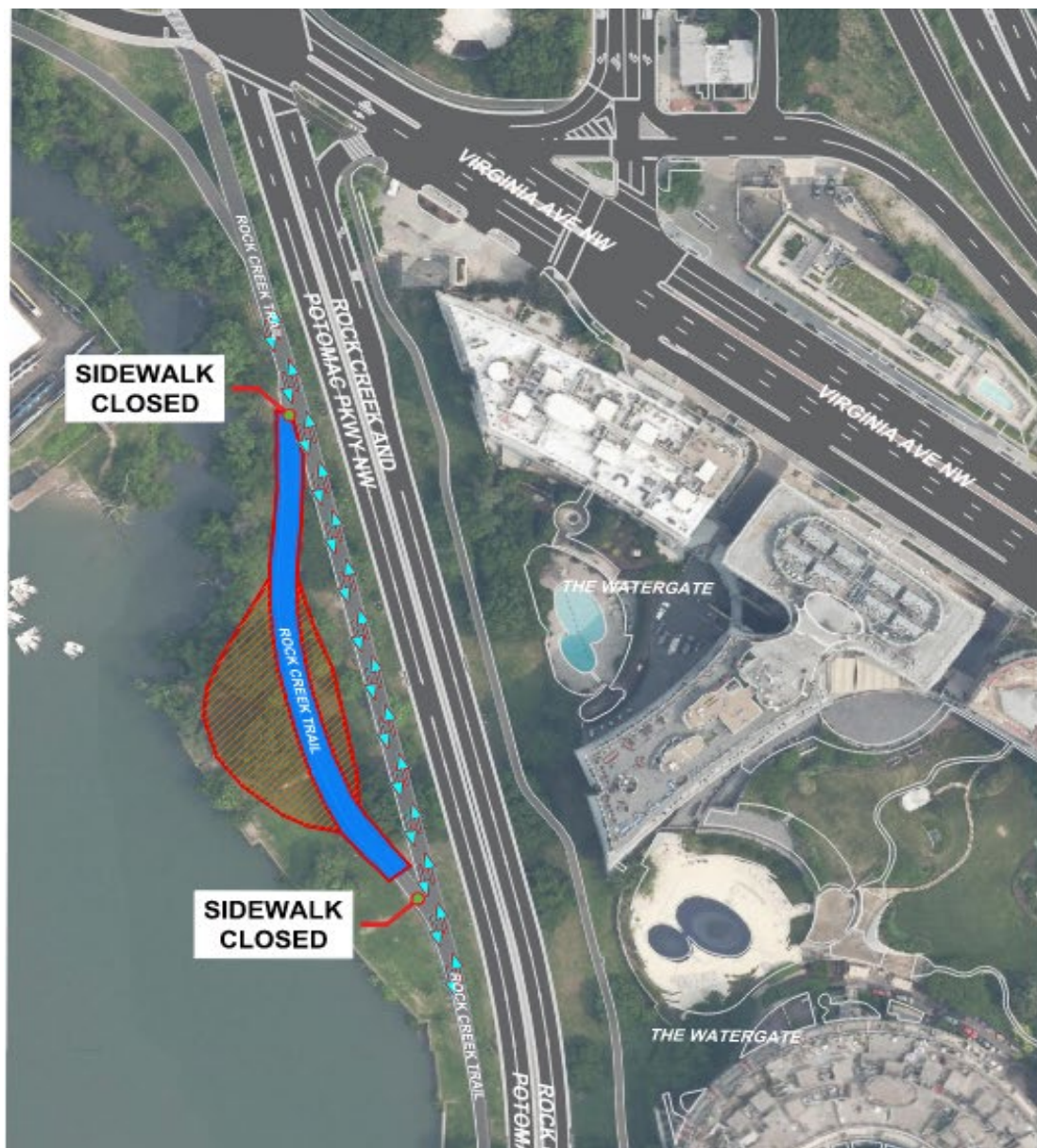
LEGEND

- Proposed Underground Structures
- Proposed Structures at Grade
- Proposed Structures Above Grade
- Existing Sewer Infrastructure
- Construction Staging Area

60 0 60 120 FT
SCALE: 1"=60'



- Temporary sidewalk/lane closures on Rock Creek Trail/sidewalk and Virginia Ave at the end of April/beginning of May for utility investigation

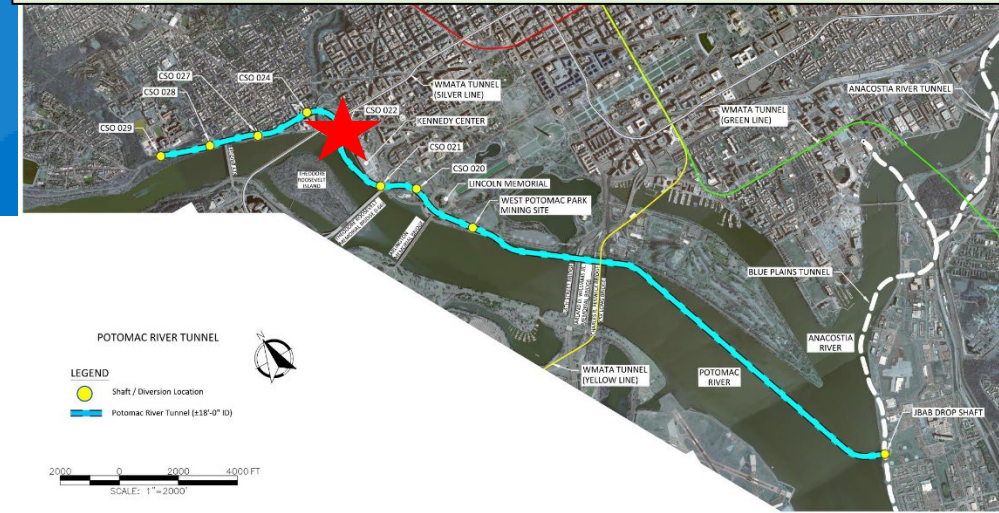


LEGEND

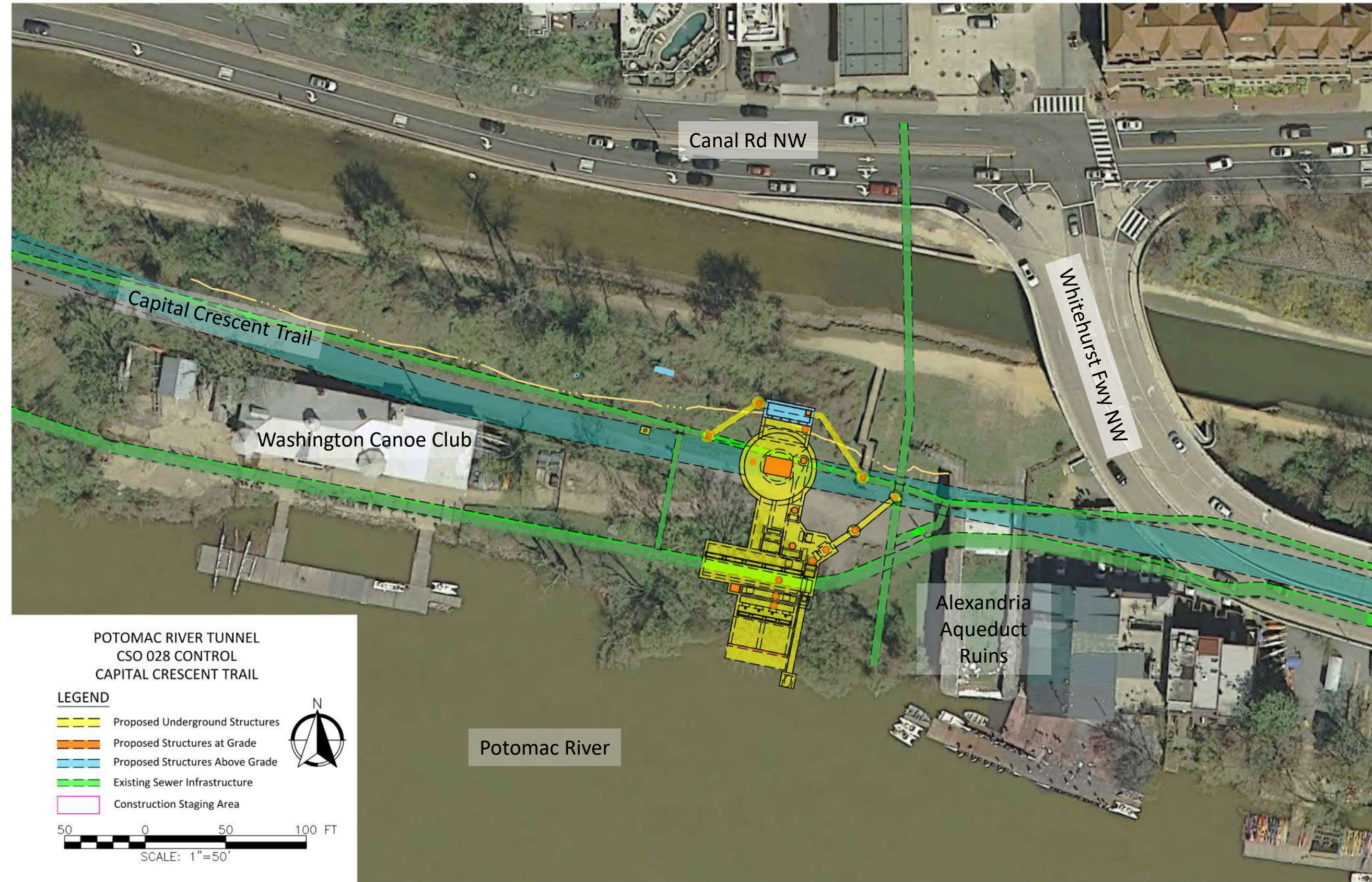
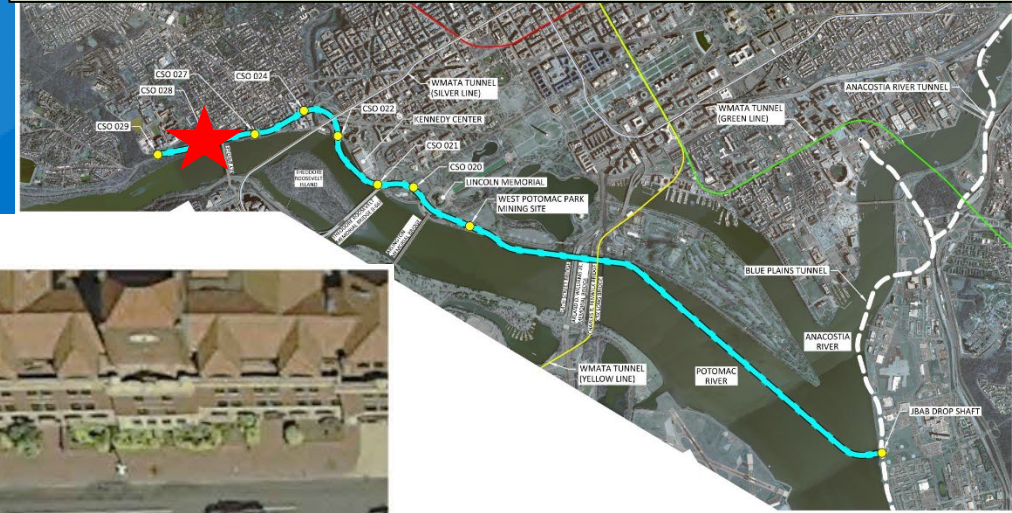
-  WORK ZONE
-  TRAFFIC LANE CLOSURE
-  SIDEWALK CLOSURE
-  TRAFFIC DIRECTION
-  PEDESTRIAN ROUTE

1. Rolling trail/sidewalk closure along Rock Creek & Potomac Pkwy NW (1 week each phase)

- Temporary sidewalk/lane closures on Rock Creek Trail/sidewalk and Virginia Ave at the end of April for utility investigation




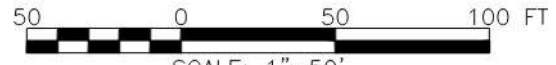
1. Flagger opening of crosswalk at the intersection between Virginia Ave NW and Rock Creek & Potomac Pkwy NW (1 week approximately)



POTOMAC RIVER TUNNEL
CSO 028 CONTROL
CAPITAL CRESCENT TRAIL

LEGEND

- Proposed Underground Structures
- Proposed Structures at Grade
- Proposed Structures Above Grade
- Existing Sewer Infrastructure
- Construction Staging Area

SCALE: 1"=50'

Contact Information & Questions



Contact Information for Public

- If you would like to be included in DC Water's email distribution list for updates on Potomac River Tunnel, please email dcpotomacrivertunnel@dcwater.com
- Future community meetings to be scheduled and advertised

Contact Information

Project Email: dcpotomacrivertunnel@dcwater.com

Project Website: www.dewater.com/prt

Dedicated Project Hotline: Coming Soon!

THANK YOU!

