

Northeast Boundary Tunnel (NEBT)

Tunnel Forum

October 27, 2022



Moussa Wone, Director, DC Clean Rivers Project



- First Street Pumping Station
- T Street NW
- Florida Avenue NW
- R Street NW

Welcome to the Virtual Tunnel Forum Meeting!



How to Participate

- **Participants may opt to turn on or off your video.**
- All participant lines are muted to minimize disruptions.
- The **Questions and Answers (Q&A) period** will be held at the end of the presentation. **Please hold your questions until the Q&A portion of the meeting.**

- Site Safety
- First Street Tunnel Connection
- Channing Street NW Construction Site
- Bryant Street APA Restoration
- Responses to Recent Concerns
- Construction Site Updates
 - First Street NW Pumping Station
 - T Street NW
 - Florida Avenue NW
 - R Street NW
- NEBT Claims Process
- Main Street Partnerships
- Outreach Team Contact Information



Site Safety: Four Points

- Pay attention to all signs and stay on designated walking paths near and around active sites.
- All construction equipment follow the traffic rules— dump trucks, lowboys, forklifts, etc.
- Listen to the direction of site personnel while construction activities are going on around the site.
- All construction entrances and exits must always remain clear of the public's vehicles or during work activities.





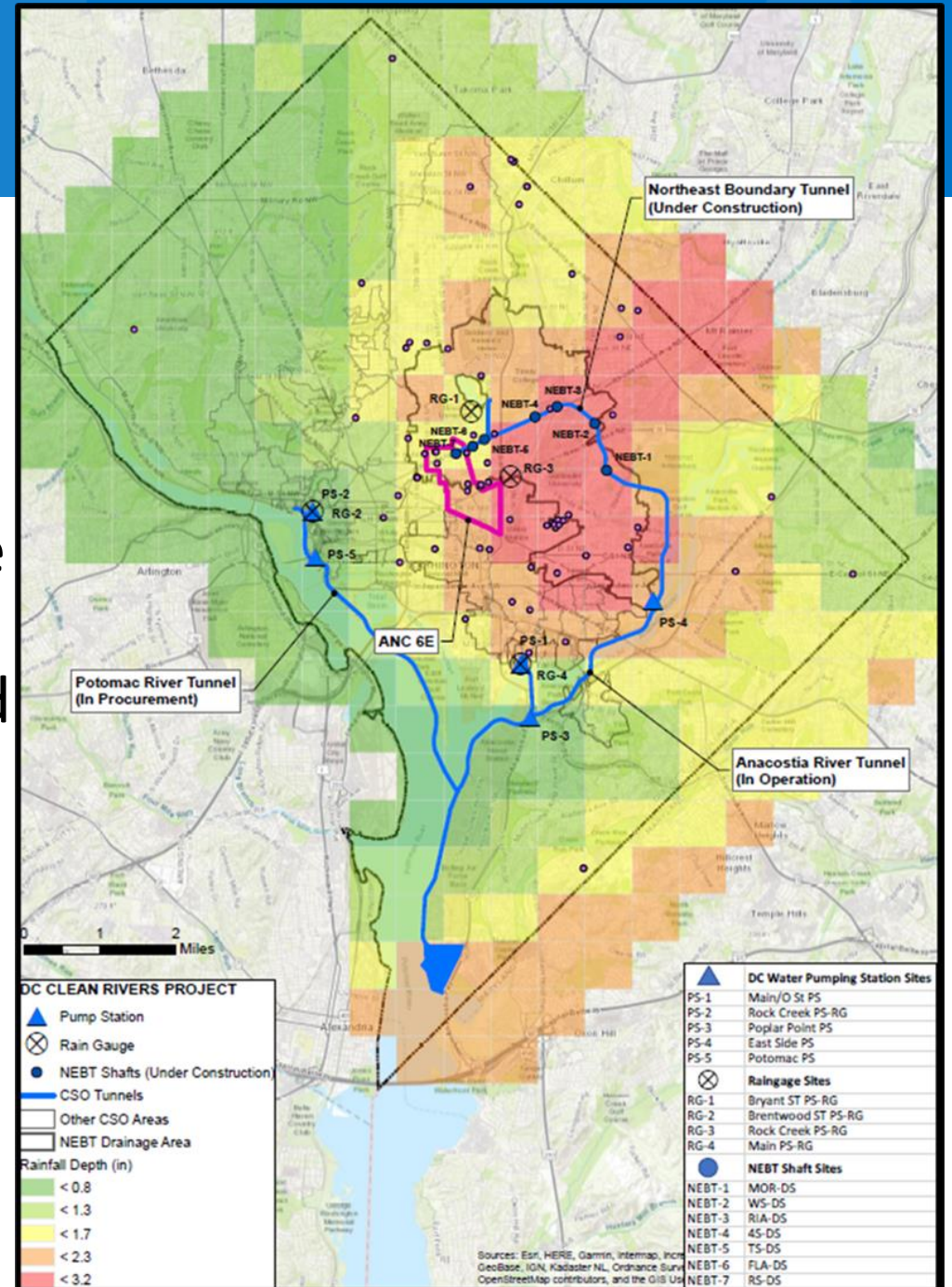
Outreach Concerns & Responses (Hadiyah Jordan)

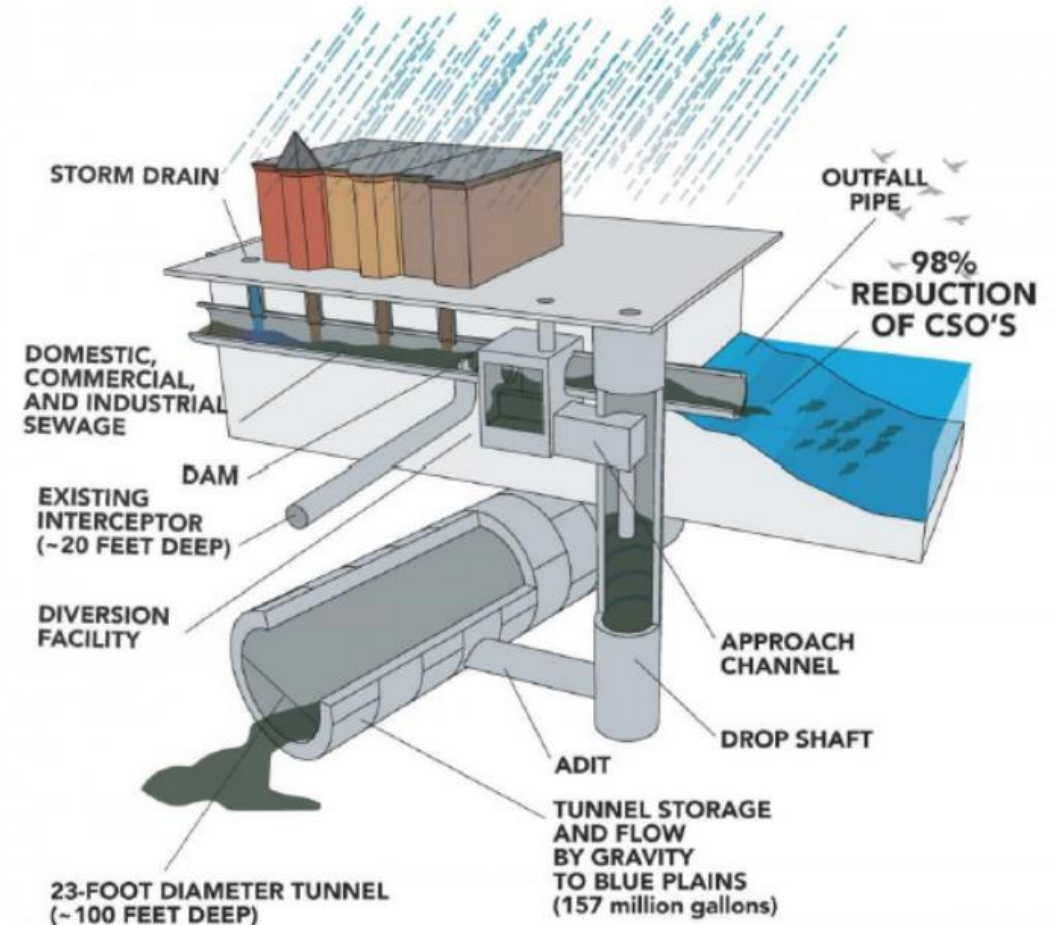
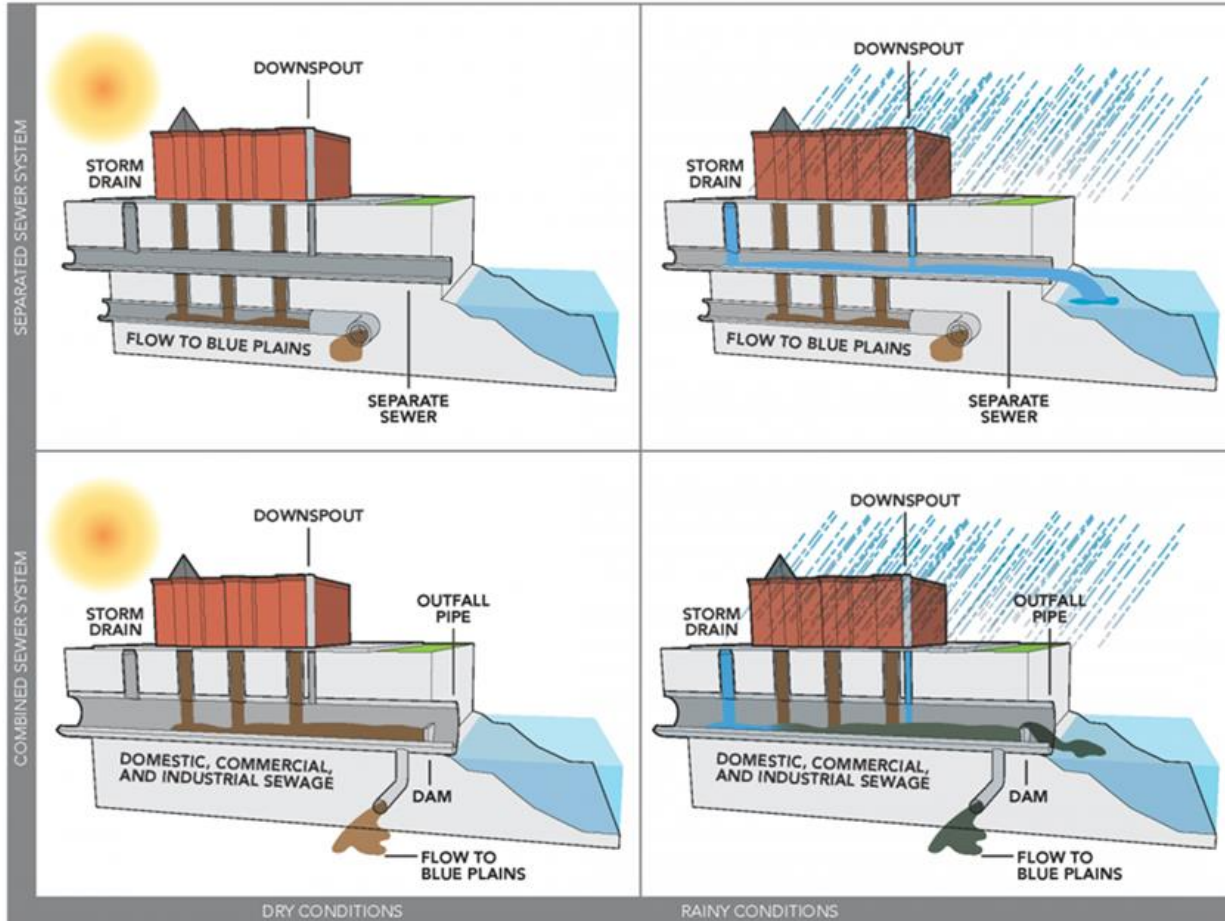


CONCERN	RESPONSE
<p>A resident near Rhode Island Ave expressed concern about the flooding in the area and asked if the new facility would alleviate flooding in the area.</p>	<p>Once the tunnel is completed the chances of surface flooding will be reduced to 7% during any given year.</p>
<p>TST resident expressed concern about the traffic on Rhode Island Ave at 1st Street NW and requested No Parking signs and barrels be placed to allow westbound traffic to shift correctly at 1st Street NW.</p>	<p>After consulting with DDOT about the MOT, the traffic pattern would remain as is; and the project team will continue to post signage. DPW was asked to continue ticketing parked cars.</p>
<p>A resident expressed concern about the pedestrian crossing time and the red-light running camera not being operational at First Street NW and Rhode Island Avenue NW.</p>	<p>DC Water has additional drums at the intersection to provide a median refuge. DDOT has reviewed the signal timings and found them to be in accordance with national standards. The red-light running camera will be reinstalled when the final signal is constructed.</p>
<p>EMERGENCY TREE REMOVAL: Looking forward, we would like to know the plan for restoring our block after the devastation, including sidewalks, trees, greenery, and the median. Are you able to share these plans? Are there opportunities for input? Are DC Water and Urban Forestry undertaking this project together?</p>	<p>UFD will choose the most suitable replacement tree that meets its own District-wide standards. We will work closely with DDOT toward that end with the understanding that the community would appreciate the planting of a larger tree rather than a sapling. As the schedule and plan are updated for the construction activities and the planting of a new tree, I will keep you and the community informed as I gain more information.</p>

- Rainfall has a significant geographical variation – especially summer thunderstorms
- Radar rainfall data (1-kilometer square grids) shows more intense rain in northeast portions of DC and Maryland
- Rainfall exceeded capacity of system

- Over 2 inches of rain was observed during the first half-hour of the storm
- Storm estimated to be between a 12 and 17- year storm event

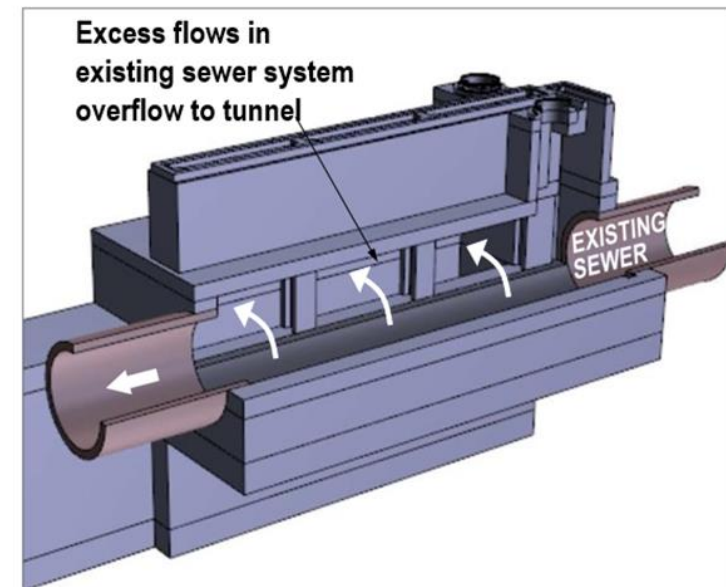






Construction Areas

Number	Site
1	CSO 019
2	Mt Olivet Road
3	W Street
4	Rhode Island Avenue (near Metro)
5	4th Street
6	1st Street
7	T Street
8	Florida Avenue
9	R Street





- 23' diameter tunnel, 5 miles long
- Largest project ever implemented by DC Water (\$580 M)
- Designed to:
 - Provide CSO control
 - Mitigate flooding in specific chronic areas up to 15-year 24-hour storm (the current design standard for the system)
 - Will not eliminate flooding for a larger storm, but will mitigate the impact
- Consent Decree requires project to be placed in operation by March 23, 2025. The project was accelerated after Bloomingdale/LeDroit Park flooding in 2012 and is planned to be placed in service in summer 2023



- Established by the Office of City Administrator (OCA) in September 2021
- Purpose: identify policies and projects to bolster flood readiness while equitably protecting the District's residents and economy from the damage that floods
- Chair: Deputy Mayor for Operations and Infrastructure (DMOI)
- Co-chairs: Director of the Department of Energy and Environment (DOEE) and the Chief Executive Officer and General Manager of DC Water
- dcfloodtaskforce.org/
- Develop action plans on key topics





■ Resources for flooding

- Customer service, claims, what to expect, etc.
- dcwater.com/flooding

■ DC Water Command Center

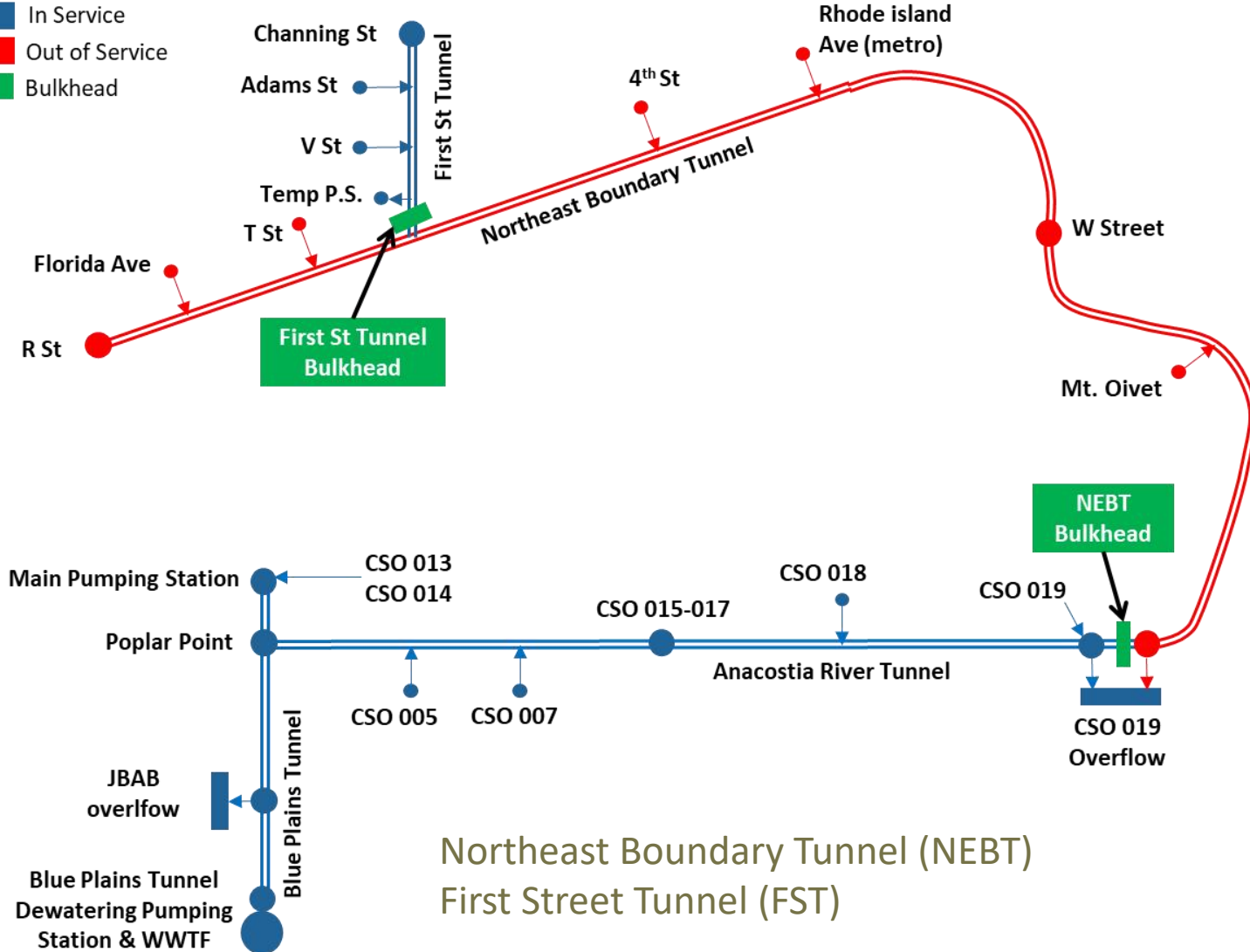
- By phone at 202-612-3400, email at command.center@dcwater.com, or by Tweet “@dcwater”



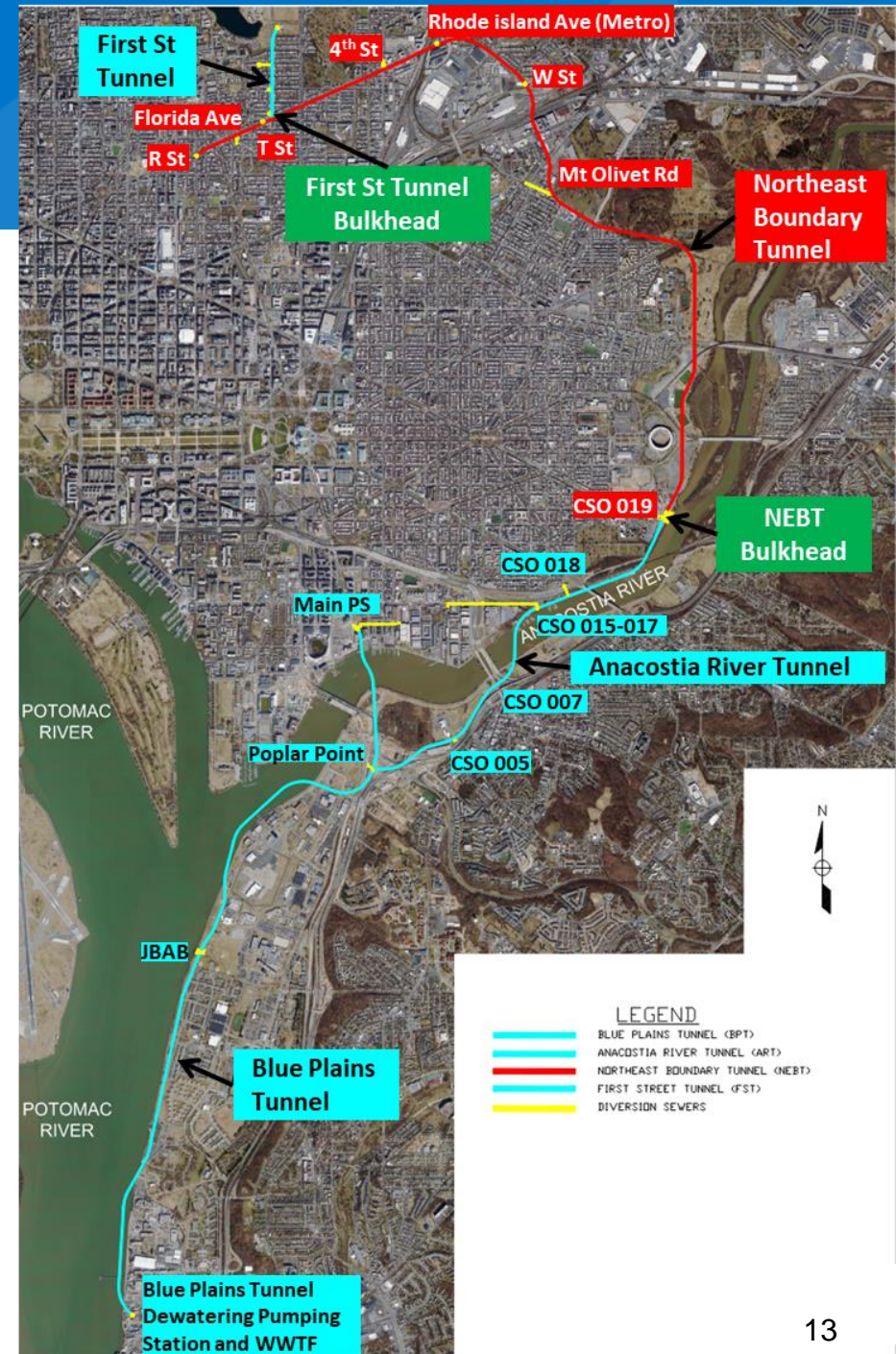
NEBT/FST Commissioning Plan: System Layout

Legend

- In Service
- Out of Service
- Bulkhead



Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)





NEBT/FST Commissioning Plan: Original (Plan has 16 phases, this is a simplified plan)

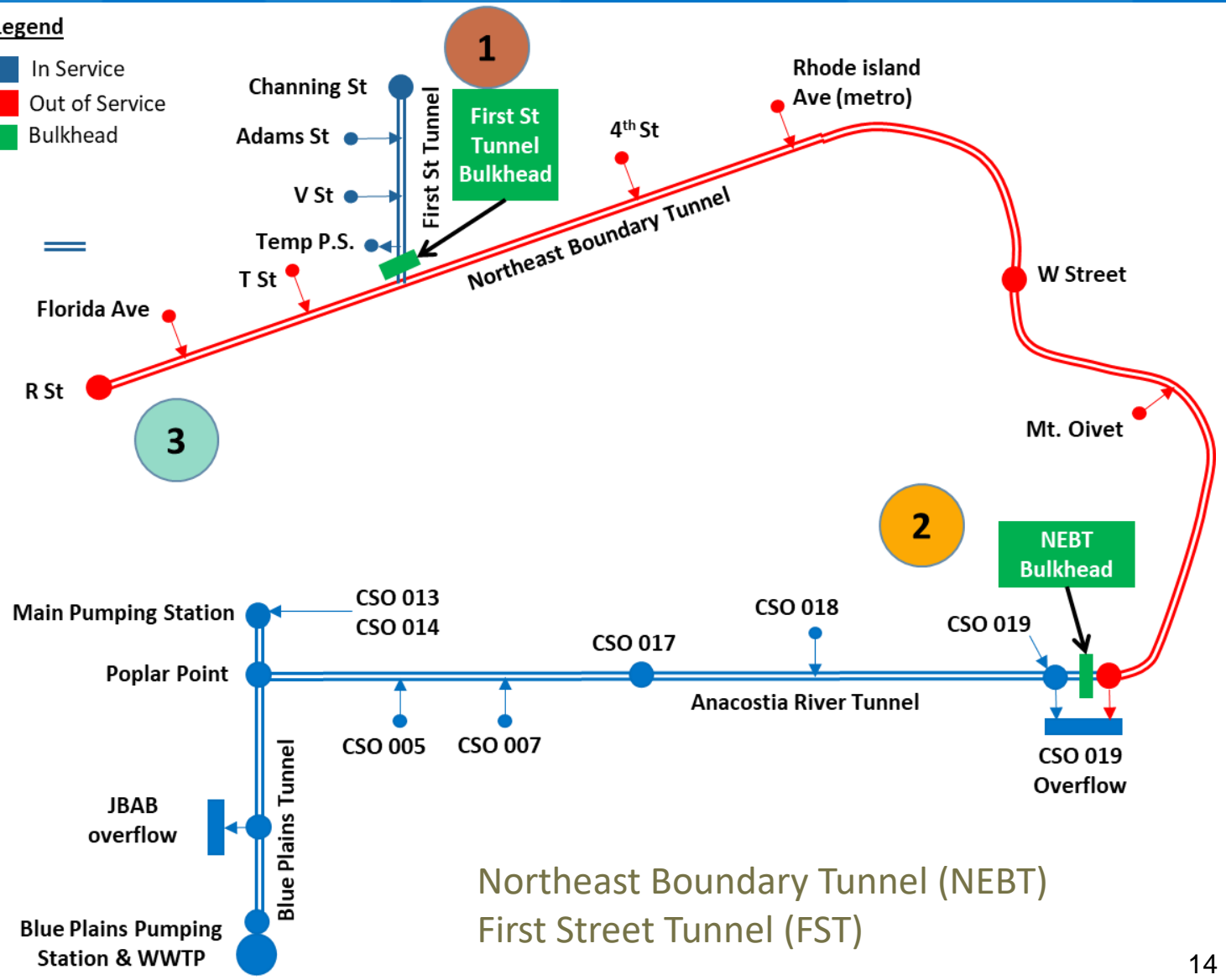


- 1** • Take First St Tunnel out of service, remove cunette & bulkhead
- 2** • Take CSO 019 diversion out of service and demolish NEBT bulkhead
- 3** • Put CSO 019 back in Service
• Activate NEBT diversions
• Activate First St Tunnel

Summer 2023, 90 days max

Legend

- █ In Service
- █ Out of Service
- █ Bulkhead



Concern: flooding risk of taking First St Tunnel out of service in summer 2023

Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)

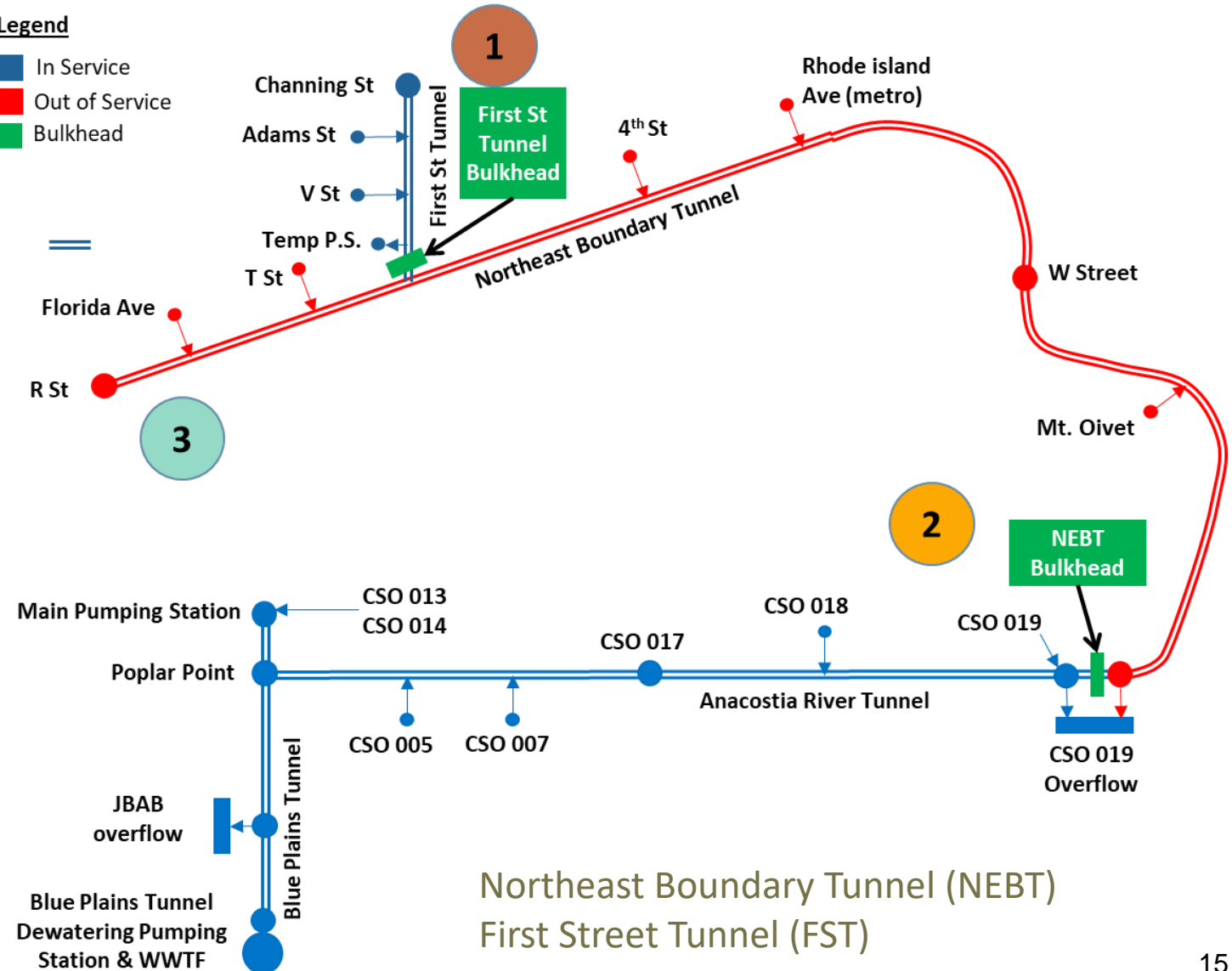
- 1
 - Take First St Tunnel out of service, remove cunette
 - Put tunnel back in service
- 2
 - Take CSO 019 diversion out of service and demolish NEBT Bulkhead
 - Demolish First St Tunnel Bulkhead
- 3
 - Put CSO 019 back in service
 - Activate NEBT diversions

**This winter:
Dec'22-Feb'23**

**Work around
rain events in
Summer 2023**


Legend

- █ In Service
- █ Out of Service
- █ Bulkhead

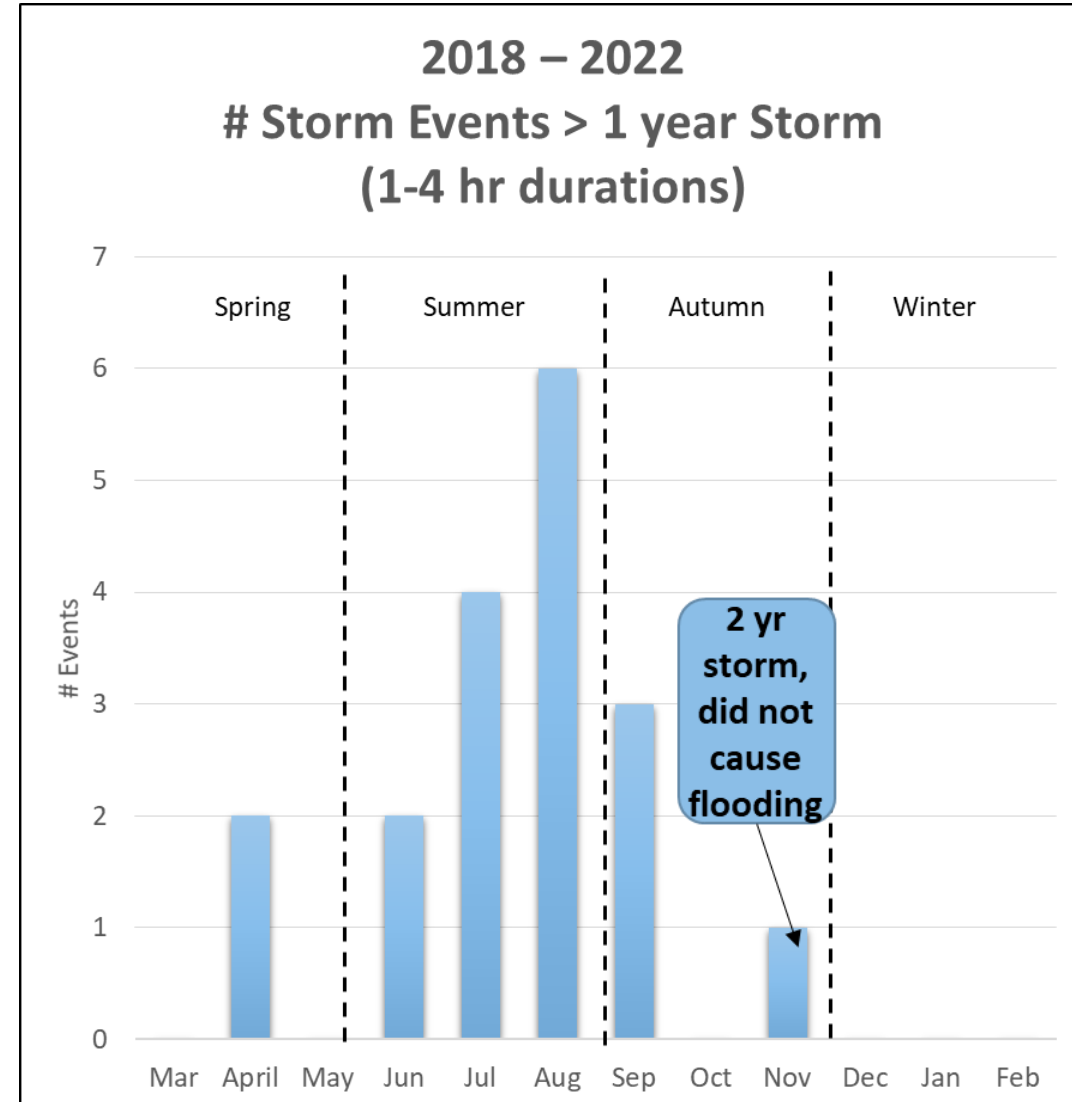


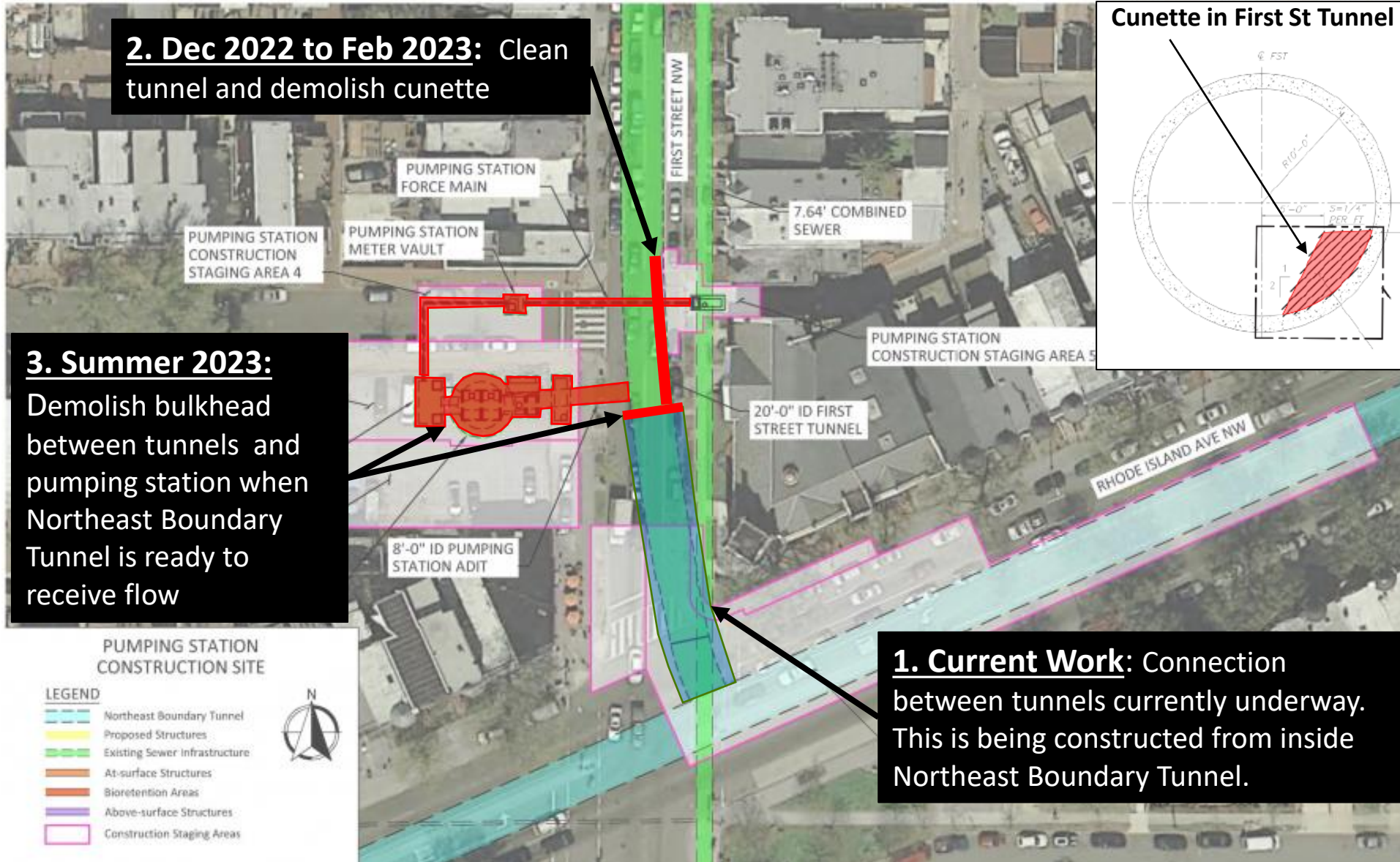
Mitigates risk of taking First St Tunnel out of service during flood risk period

Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)

- Large and intense rain events that cause flooding don't typically occur in winter 
- Facilities that remain in service
 - Irving Street Green Infrastructure Project= 0.4 million gallons
 - McMillan Stormwater Storage Projects = 3.6 million gallons
 - DDOT 5' diameter detention sewer under Rhode Island Avenue NW
 - Pervious pavement installed in Bloomingdale alleys
- Large storm that is predicted
 - Tunnel can be put back in service with 24hrs notice for a Hurricane/Tropical Storm or other large predicted storm

Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)







NEBT/FST Commissioning Plan: Revised Schedule



First St Tunnel out of
service Dec '22-Feb '23



Activity	2022		2023	
	Oct, Nov, Dec	Jan, Feb, Mar	Apr, May, June	July, Aug, Sept
Florida Ave - NEBT Liner & Diversion	[Solid blue bar]			
First St Tunnel Connection	[Solid blue bar]			
Diversion Sites, Inlets, Shaft Covers	[Solid blue bar]			
Bulkhead Demolition & Commissioning	[Dashed orange bar]			



Predicted commissioning period
based on current schedule,
dependent on construction
progress over next 9 months

Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)

▪ Catch Basin Cleaning

- DC Water will clean catch basins in Oct and 1/month during an outage

▪ Sandbag Distribution ahead of major storm events

- DC Water will prepare sandbags and make them available in the neighborhood if a major event is predicted (hurricane/tropical storm)

▪ Backflow Preventor Program

- Get Yours: dcwater.com/backwater-valve-information-and-rebate-program-application

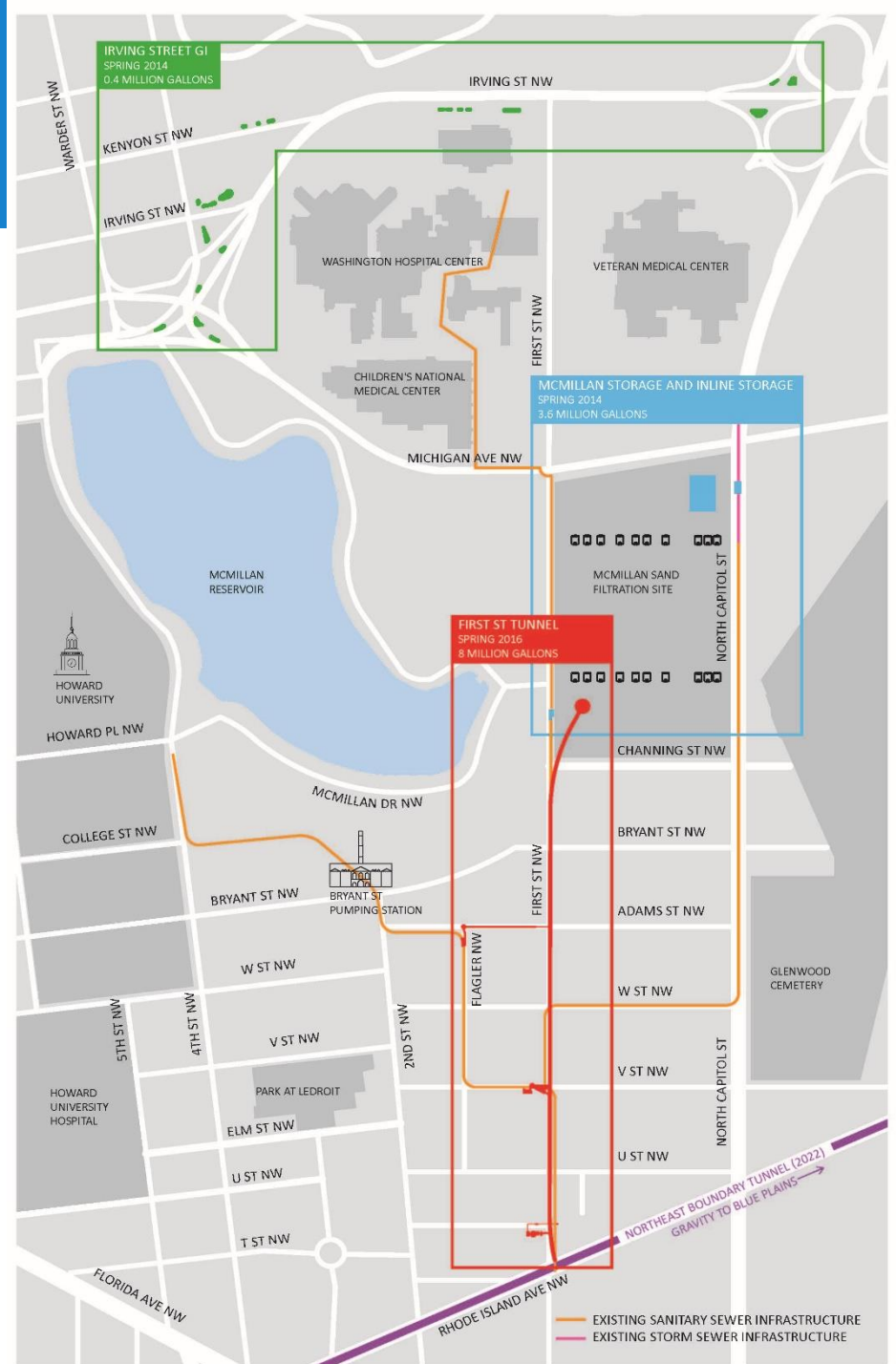
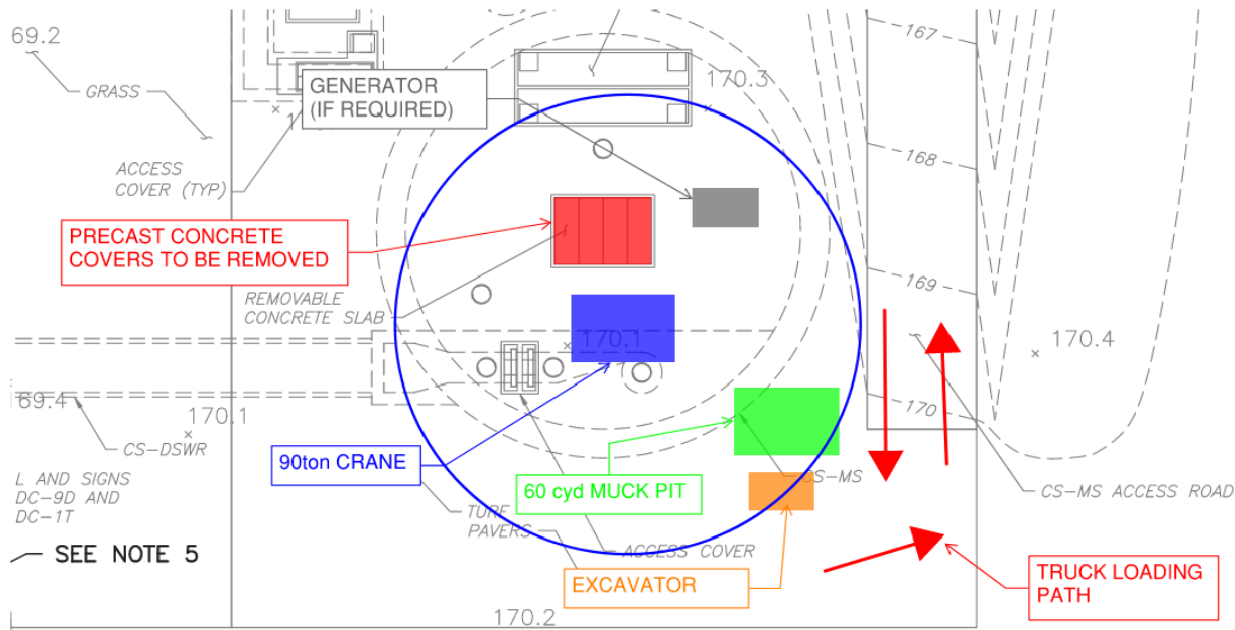
▪ Floodproofing Homes Program

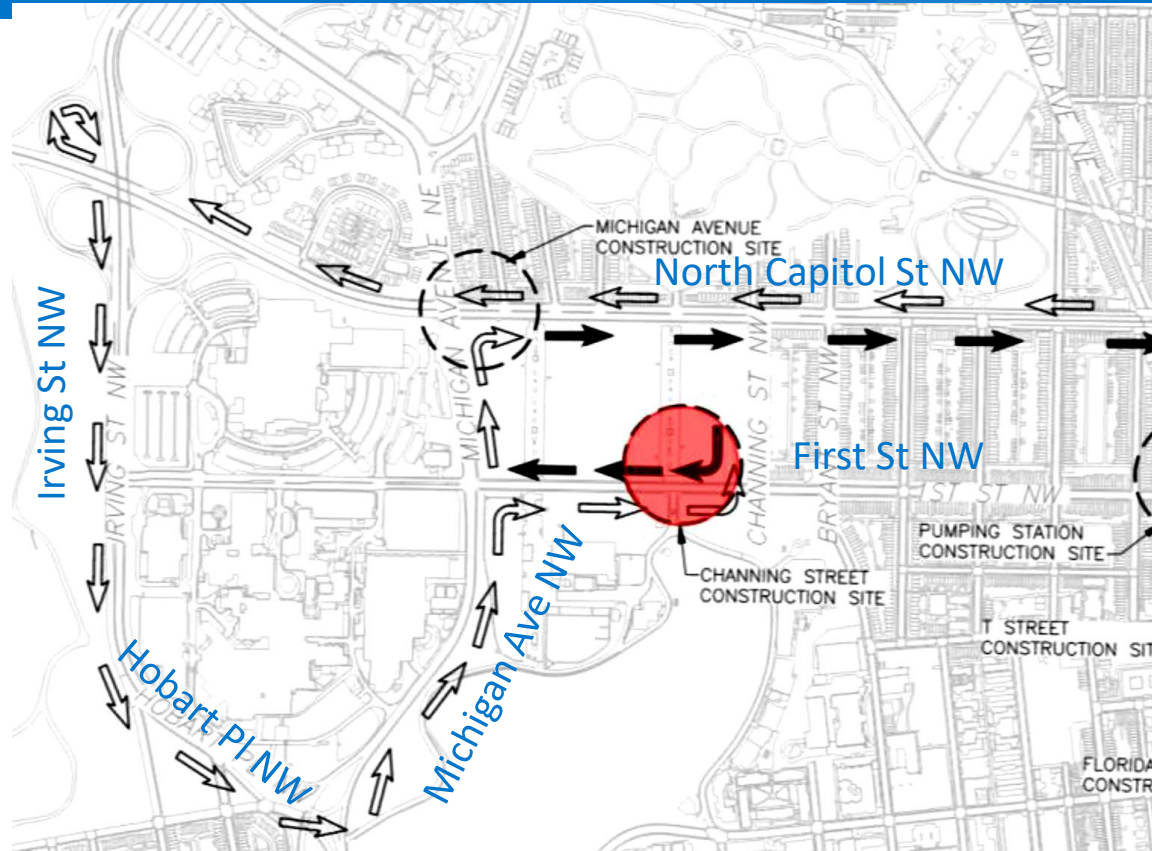
- To mitigate overland flooding at specific chronic areas in Bloomingdale and LeDroit Park: dcwater.com/whats-going-on/news/dc-water-offers-flood-proofing-rebate-program-residents-bloomingdale-and-ledroit



dc Channing Street NW

DC Water will work within the existing Channing Street shaft easement area to prepare the First Street Tunnel (FST) connection to the Northeast Boundary Tunnel (NEBT).





Truck Route:

- North Capitol Street NW
- Irving Street NW
- Hobart Place NW
- Michigan Avenue NW
- First Street NW

Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)

- SIH plans to mobilize equipment to the Channing St. shaft site in November 2022 and the work will begin in December 2022.
- Workers and equipment will access the tunnel by crane and cunette demo and tunnel cleaning work will begin.
- Tunnel sediments and cunette debris will be temporarily stored on site and removed by truck
- Truck deliveries and muck removal will follow DDOT approved haul route and not impact Channing St.



Bryant Street Alternative Parking Area Restoration Plan (Hadiyah Jordan)

To address the loss of parking during construction, DC Water created temporary parking lots in two locations close to the sites—Bryant Street APA and LeDroit Park APA. When the NEBT construction is completed, the Bryant St APA will be restored to green space.



BRYANT STREET NW



Common Name: Willow Oak
Species: Quercus Phellos
Symbol: QUPH



Common Name: Scarlet Firethorn
Species: Pyracantha Coccinea
Symbol: PYCO

LEGEND

Existing	New
TREES	TREES
GROUND COVER	GROUND COVER





Construction Site & Traffic Updates (Giuseppe Benevento & Matt Wolniak)

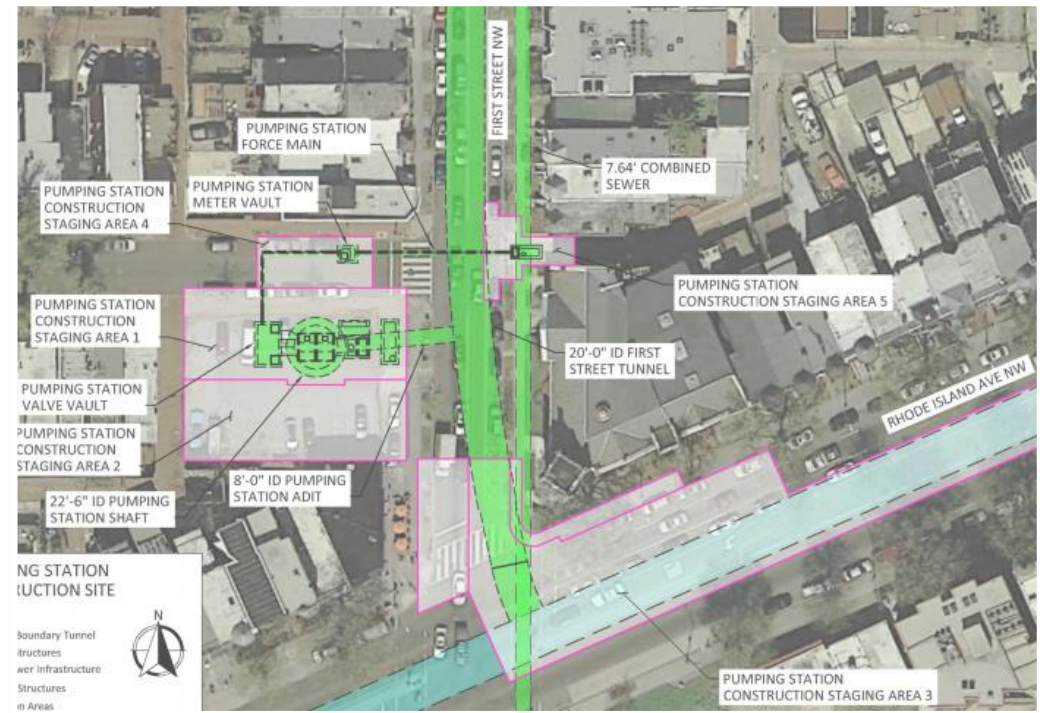


Current Activities: All construction activities are underground in the tunnel. Dismantling and removing the First Street Tunnel TBM. Adding a new lining is almost complete.

Next Activities: Continue constructing new tunnel lining to the First Street Tunnel bulkhead.

Later: Remove the First Street Tunnel bulkhead during the commissioning of the tunnel. Remove the temporary pump station equipment, flow fill shaft, vaults, and force main. Restore the construction site area.

CONSTRUCTION WORK HOURS	
Monday – Friday	7:00 AM to 7:00 PM
Saturday	7:00 AM to 5:00 PM
Construction End Date	Fall 2023

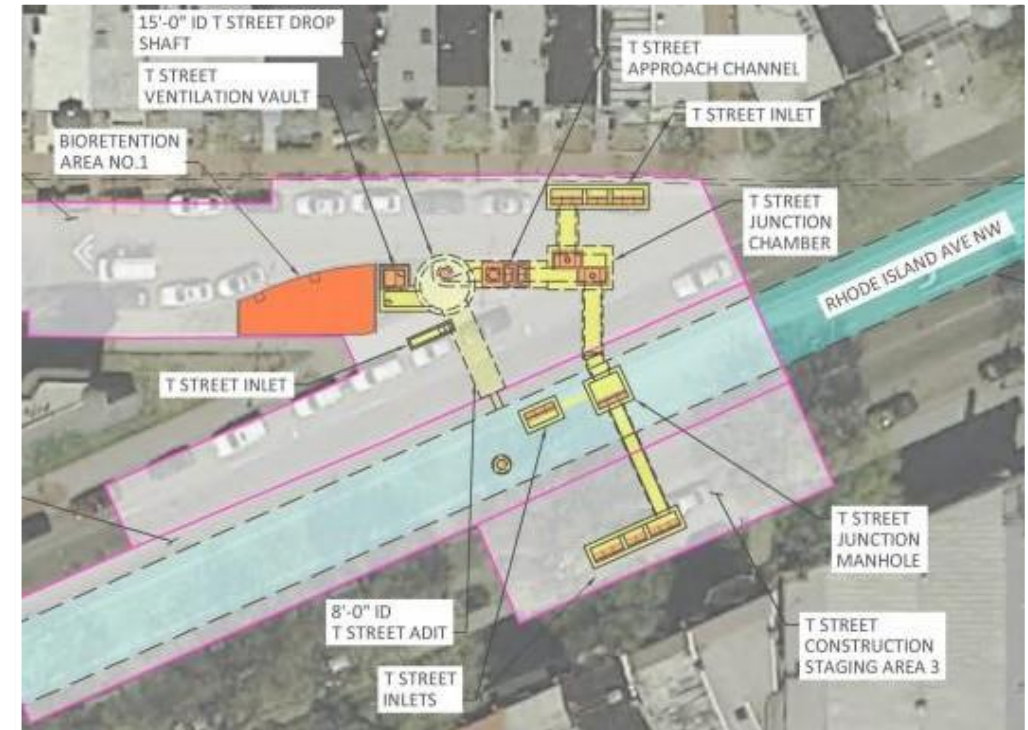


* The Construction End Date includes completing the restoration of the sidewalks and roadway.

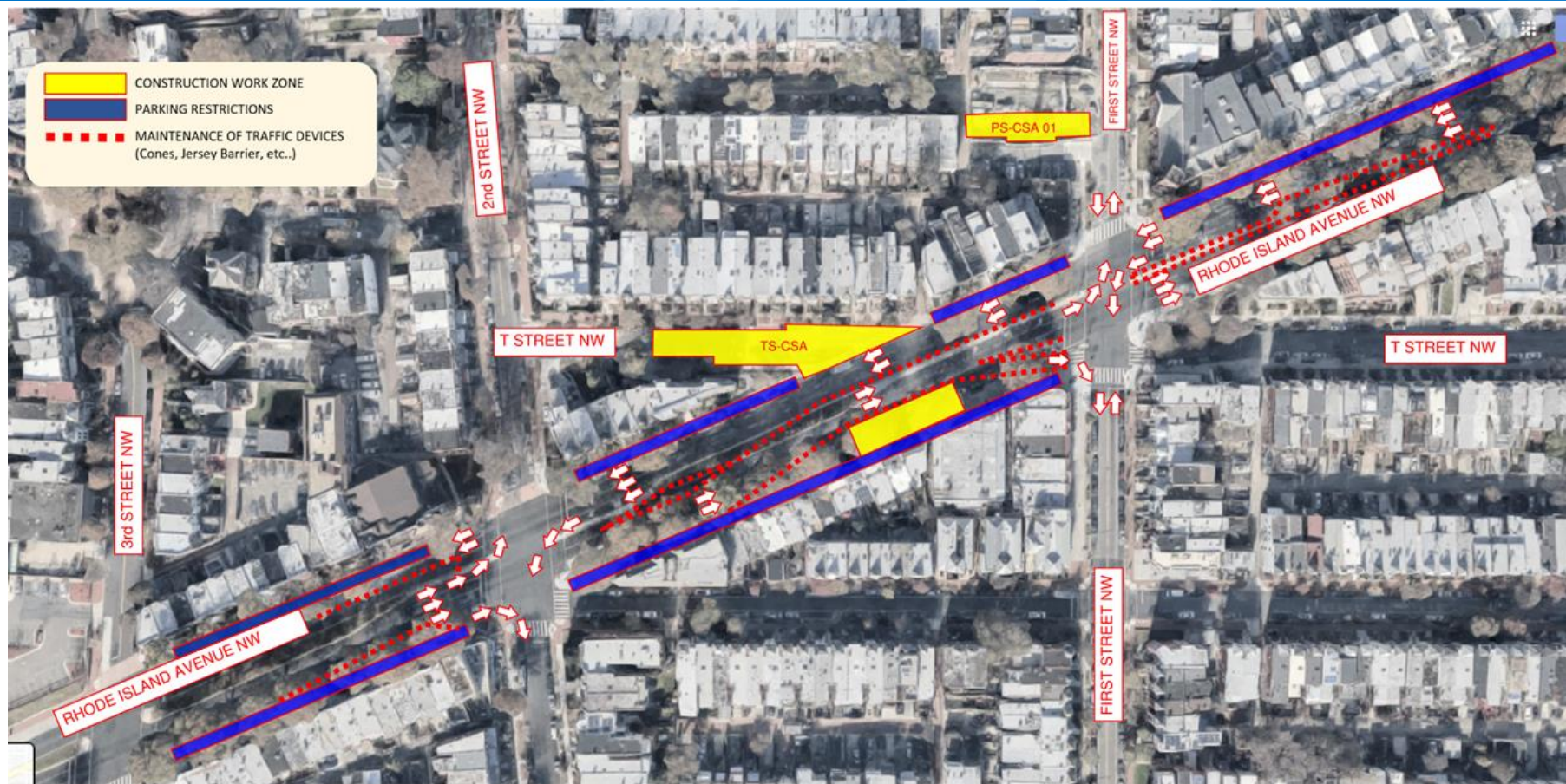
T Street: Demolishing the top portions of the secant piles on T Street to level and repave the road.

Rhode Island Avenue: As preparation for constructing the large inlet, the contractor is removing the existing inlet and surrounding pavement in the road. Next will begin the micropile work, followed by installing flood walls and excavating for the inlet.

CONSTRUCTION WORK HOURS	
Monday – Friday	7:00 AM to 7:00 PM
Saturday	7:00 AM to 5:00 PM
Construction End Date *	Summer 2023



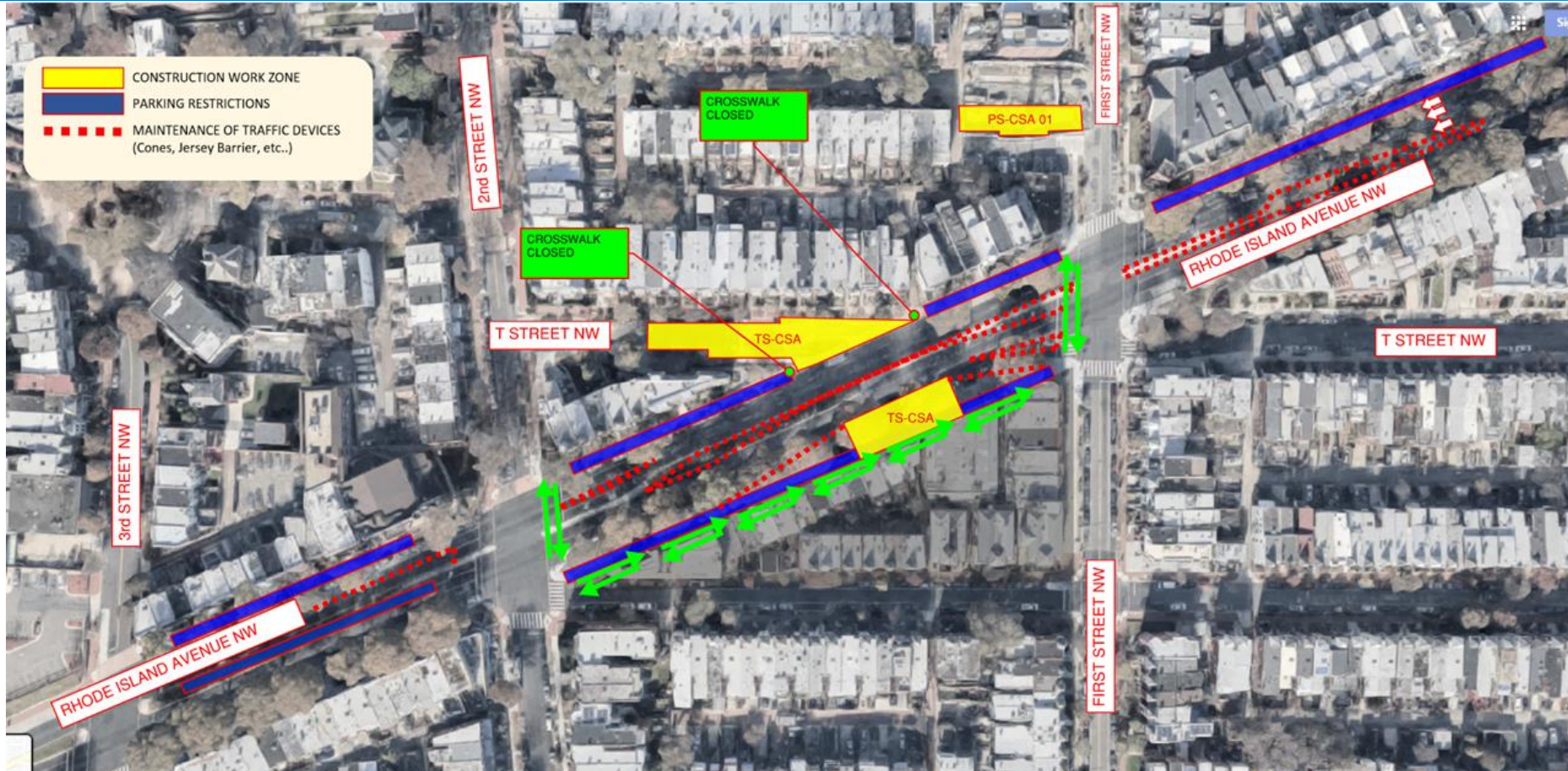
* The Construction End Date includes completing the restoration of the sidewalks and roadway.



T STREET NW CONSTRUCTION SITE – TRAVEL LANES

MAIN IMPACT:

On the 100-block of Rhode Island Avenue NW, travel is reduced to two lanes in each direction and shifted to move around the construction in an eastbound lane. Parking restrictions are on each side of Rhode Island Avenue.



T STREET NW CONSTRUCTION SITE – PEDESTRIAN DETOUR

MAIN IMPACT:

At T Street NW the crosswalk is closed at the intersection of Rhode Island Avenue NW. All crosswalks at First Street are open. **Pedestrians, please follow the detour signs.**



Florida Avenue NW Construction Site: Work Overview (Giuseppe Benevento)



Current Activities: Repaving the Florida Avenue NW roadway. Afterward will restore the sidewalk on Florida Avenue in front of KoChix Carryout. Connecting the adit to the drop shaft.

Next Activities: Complete the drop shaft internal structures. Excavate the ventilation vault.

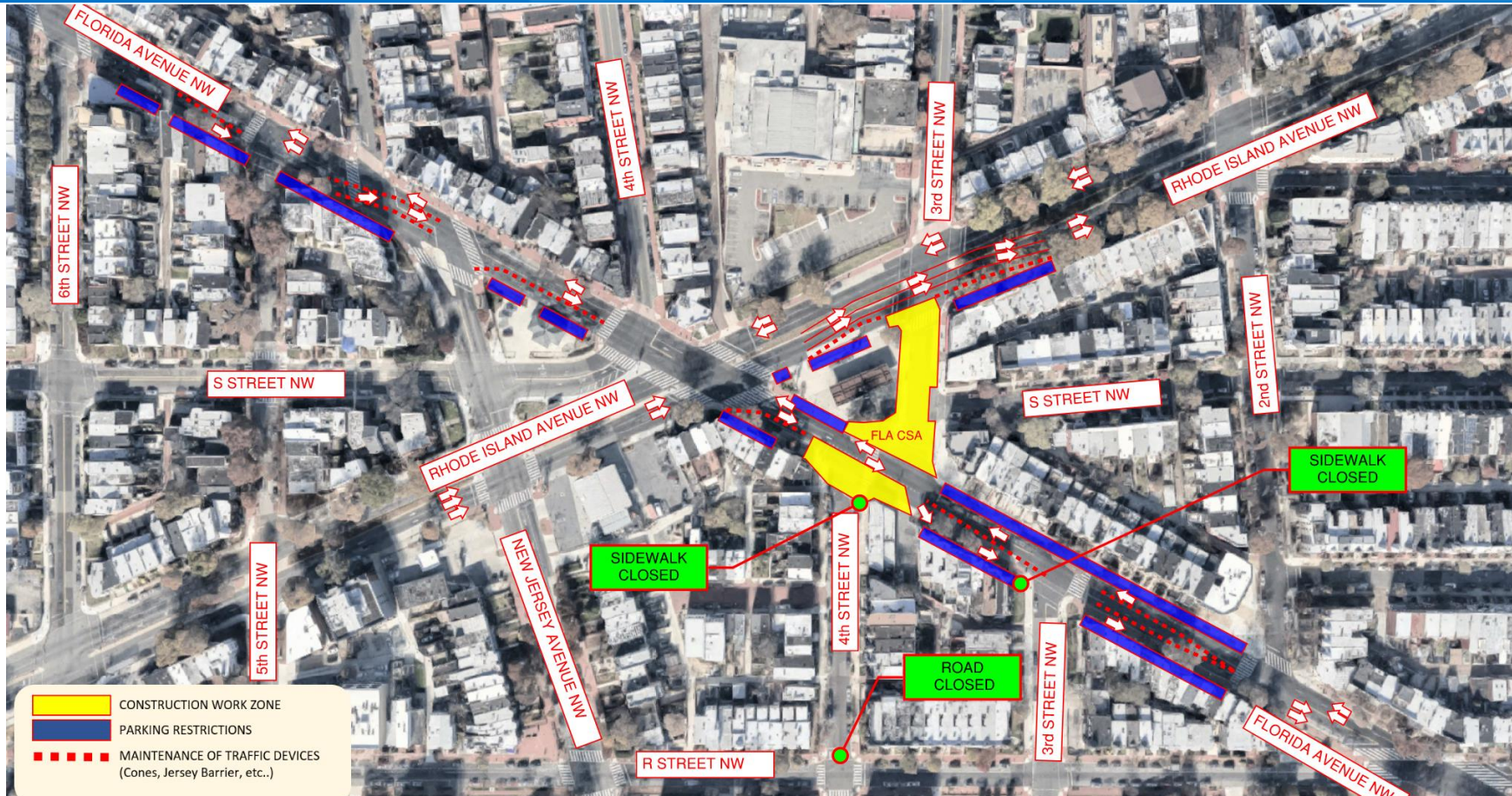
Later: Per DOEE requirements, one lane on the west side of Florida Avenue will be opened in each direction to allow for patching of the road. (2-3 days to complete)

CONSTRUCTION WORK HOURS

Monday – Friday	7:00 AM to 7:00 PM
Construction End Date	Summer 2023



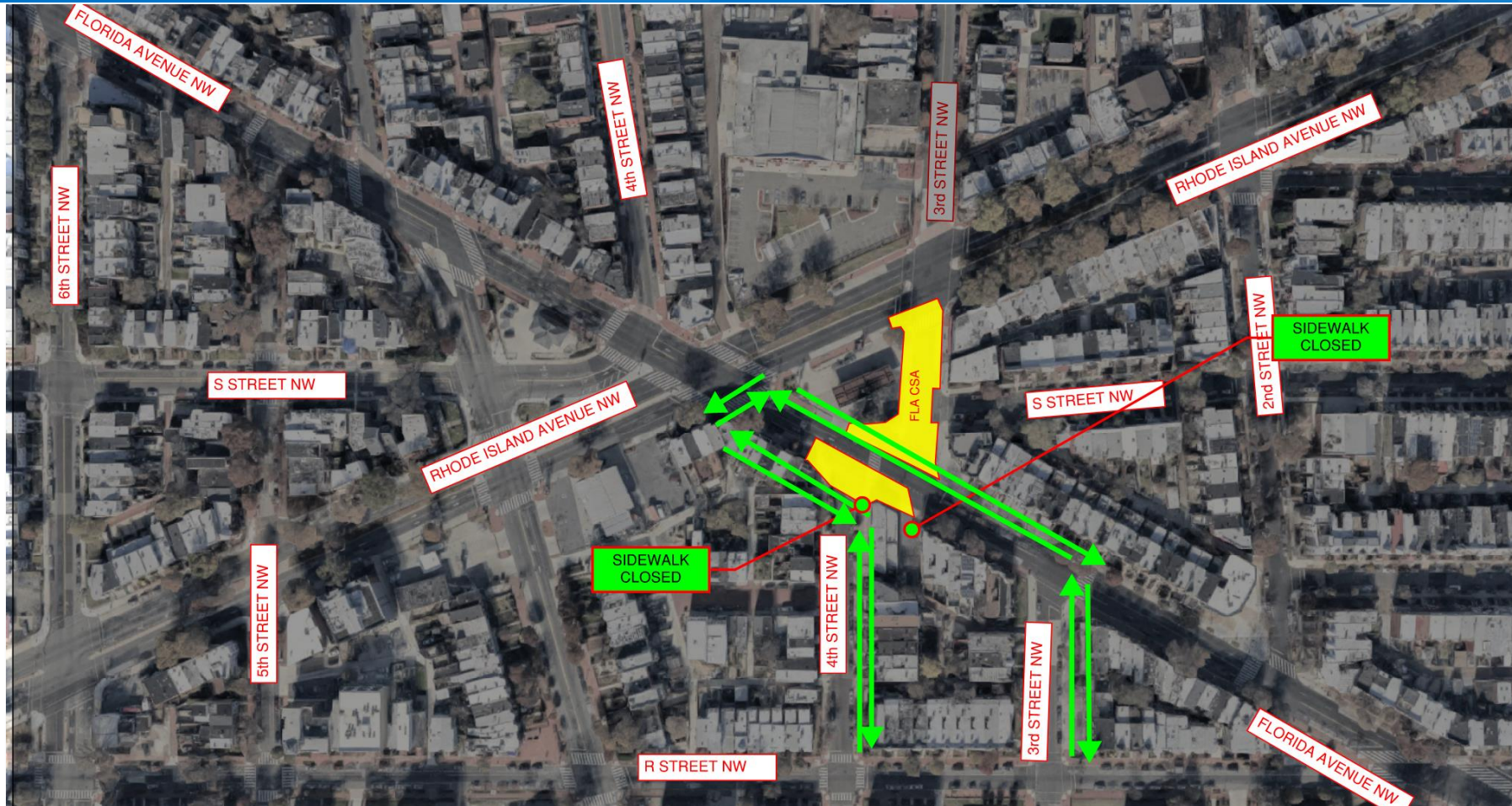
* The Construction End Date includes completing the restoration of the sidewalks and roadway.



FLORIDA AVENUE NW CONSTRUCTION SITE – TRAVEL LANES

MAIN IMPACT:

Traffic will travel in two lanes eastbound on Rhode Island Avenue between New Jersey Avenue and North Capitol Street NW. Southbound traffic on the 1800-block of 3rd Street will be able to make right turns onto Rhode Island Avenue.



FLORIDA AVENUE NW CONSTRUCTION SITE – PEDESTRIAN DETOUR

MAIN IMPACT:

East crosswalk open at Rhode Island Avenue NW at 3rd Street NW. Crosswalk closed at Florida Avenue NW between 3rd Street and 4th Street. **Pedestrians, please follow the detour signs.**



Florida Avenue NW Construction Site: Traffic Pattern (Matt Wolniak)



FLORIDA AVENUE NW CONSTRUCTION SITE – TRAVEL LANES

MAIN IMPACT:

Florida Avenue NW traffic will return to two lanes in each direction. Traffic will continue in two lanes in each direction on Rhode Island Avenue between Florida Avenue and North Capitol Street NW.

Current Activities: Constructing the walls and the base slab of the ventilation control vault with concrete.

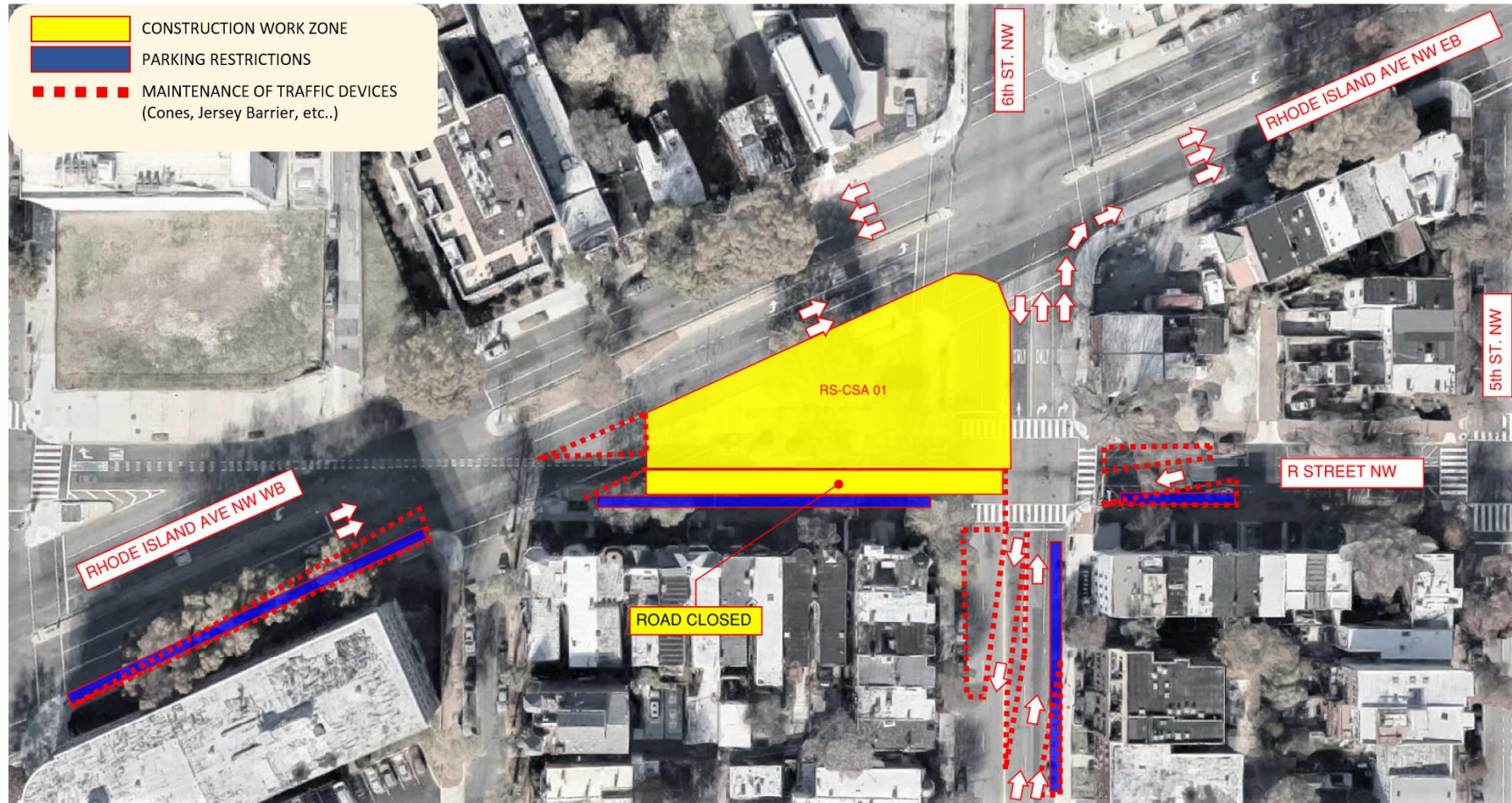
Next Activities: Install roof slab for the ventilation control vault and backfill the area.

Later: Install the electrical cabinet.

CONSTRUCTION WORK HOURS	
Monday – Friday	7:00 AM to 7:00 PM
After-Hours	7:00 PM to 3:00 AM
Saturday	7:00 AM to 5:00 PM
Construction End Date	Summer 2023



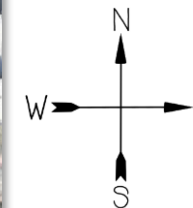
* The Construction End Date includes completing the restoration of the sidewalks and roadway.



R STREET NW CONSTRUCTION SITE – TRAVEL LANES

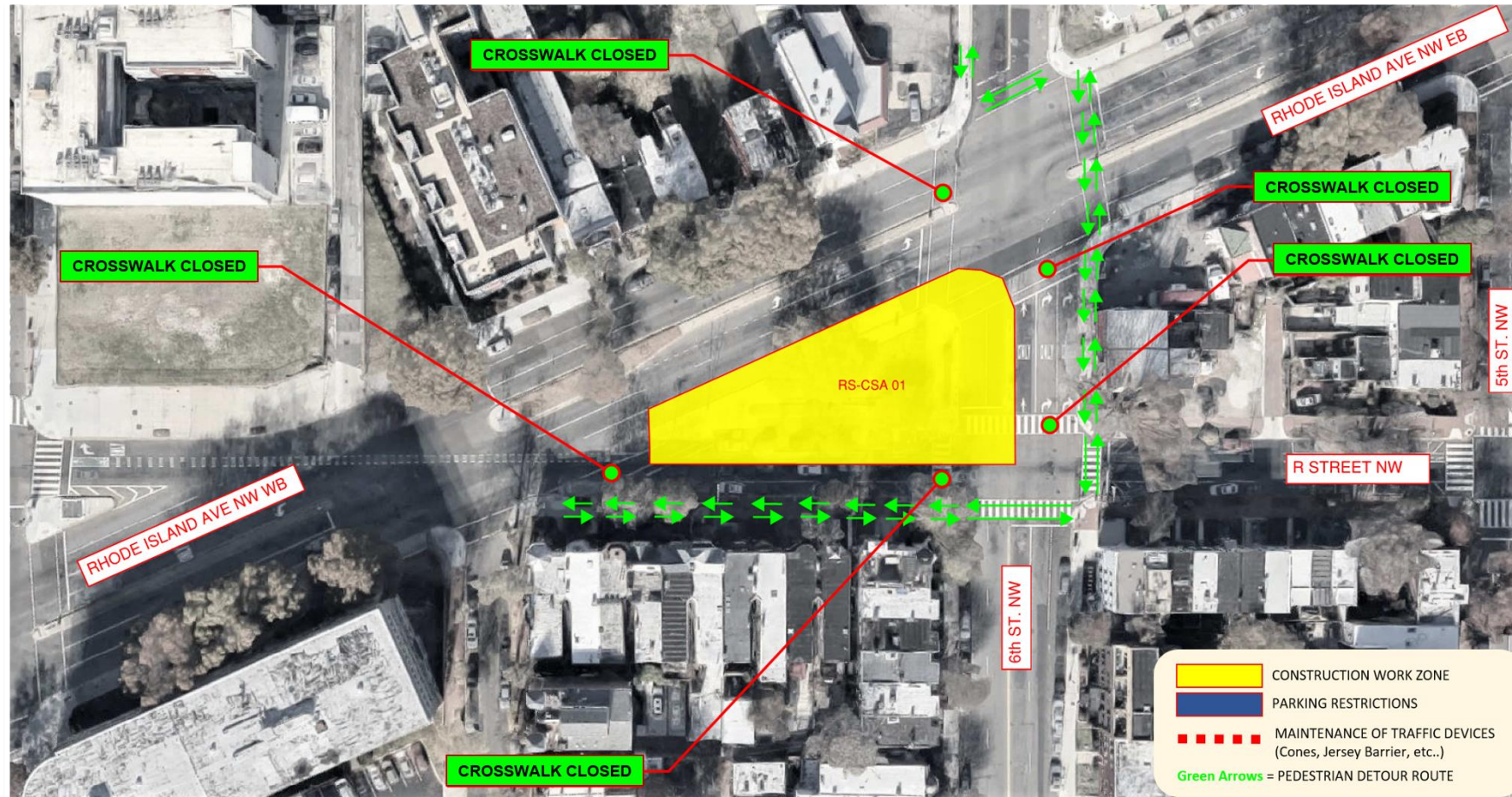
MAIN IMPACT:

Reduction and shifting of travel lanes on 6th Street. One lane closure on Rhode Island Ave NW eastbound. R Street NW westbound traffic is detoured. **Bike lane remains open through R Street NW.**



R STREET NW CONSTRUCTION SITE – TRAVEL LANES

MAIN IMPACT: Westbound traffic on R Street is detoured to P Street NW. Please follow all detour signs.



R STREET NW CONSTRUCTION SITE – PEDESTRIAN DETOUR

MAIN IMPACT:

Crosswalk closed at Rhode Island Avenue NW and 6th Street NW intersections and on 6th Street and R Street NW intersection. **Pedestrians, please follow the detour signs.**



NEBT Claims Process (Hadiyah Jordan)



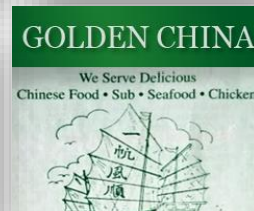
- If you are a property owner and you believe that construction activities undertaken as a result of this project have damaged your property in some way, you may send an email to dccleanrivers@dcwater.com or call the Hotline at 800-988-6151.
- A representative of the contractor, SIH, will contact you to receive the information for the claim. A claim will be initiated on your behalf and a copy will be transmitted to you. Further communications about the claim will occur between the property owner and DC Water's insurance company.
- The claim receives a claim number, and an adjuster investigates.
- It is recommended that when you see damage, report it.



Support Local Businesses (Bill Levy)



MEATS AND FOODS
247 FLORIDA AVE NW - WASH. DC





Main Streets Contact Information (Bill Levy)



Alexander M. Padro, Executive Director

**875 N Street NW
Washington, DC 20001**

202-265-SHAW
info@shawmainstreets.org
shawmainstreets.org



Layma Askarzoi, Executive Director

Office Location:

22 Quincy Place, NW
Washington, D.C. 20001

Mailing Address:

P.O. Box 29068, Washington, D.C. 20002

202-409-6485
info@northcapitoldc.com
northcapitoldc.com

DC Water continues to partner with the Main Street organizations to work with businesses impacted by the Northeast Boundary Tunnel Project.



NEBT Contact Information (Hadiyah Jordan)



- Send your questions to dccleanrivers@dcwater.com
- Call our 24/7 NEBT Hotline: (800) 988-6151
- Visit the NEBT Website: dcwater.com/NEBT
- To receive e-newsletters send your email to dccleanrivers@dcwater.com



We will acknowledge questions from participants who are online and on the phone.

ONLINE PARTICIPANTS: send your questions to the Host by using the Chat mode. You may also click on “Participants” to raise your hand for a question.

PHONE PARTICIPANTS: press *9 to alert us that you want to ask a question. We will unmute you when it’s your turn to ask a question.