

Northeast Boundary Tunnel Project

Briefing/Presentation for ANC 5E

November 15, 2022



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Temporary Closure of the First Street Tunnel



DC Water will temporarily take the First Street Tunnel out of service from **December 2022 through February 2023.**

Temporary Closure of the First Street Tunnel



The purpose is to clean the tunnel and demolish the cunette as a preliminary step for connecting the First Street Tunnel to the Northeast Boundary Tunnel.

The cunette, a concrete cross-section at the bottom of the First Street Tunnel, directs flow towards the pump station.

NEBT/FST Commissioning Plan: Revised



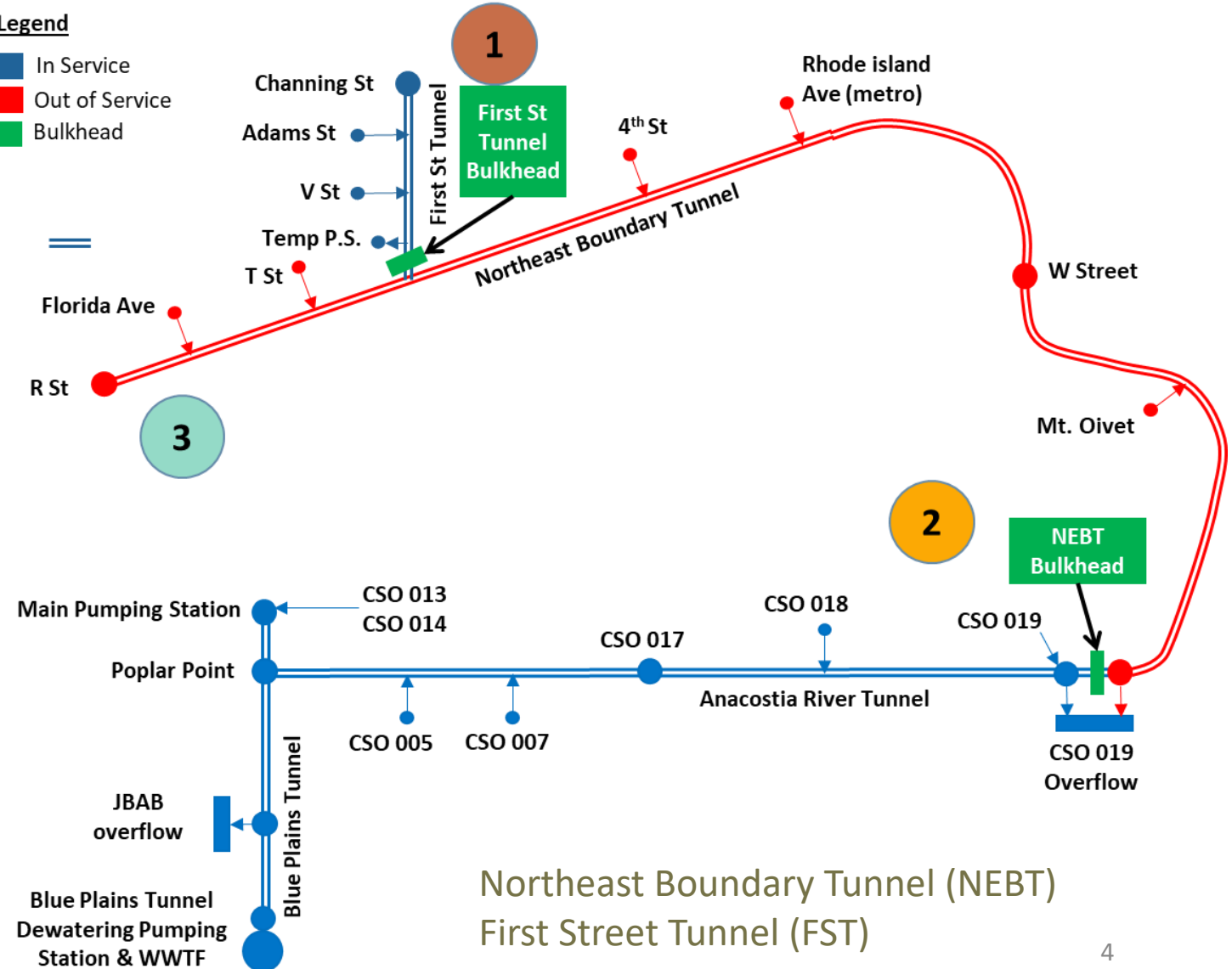
- 1
 - Take First St Tunnel out of service, remove cunette
 - Put tunnel back in service
- 2
 - Take CSO 019 diversion out of service and demolish NEBT Bulkhead
 - Demolish First St Tunnel Bulkhead
- 3
 - Put CSO 019 back in service
 - Activate NEBT diversions

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

**Work around
rain events in
Summer 2023**

Legend

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



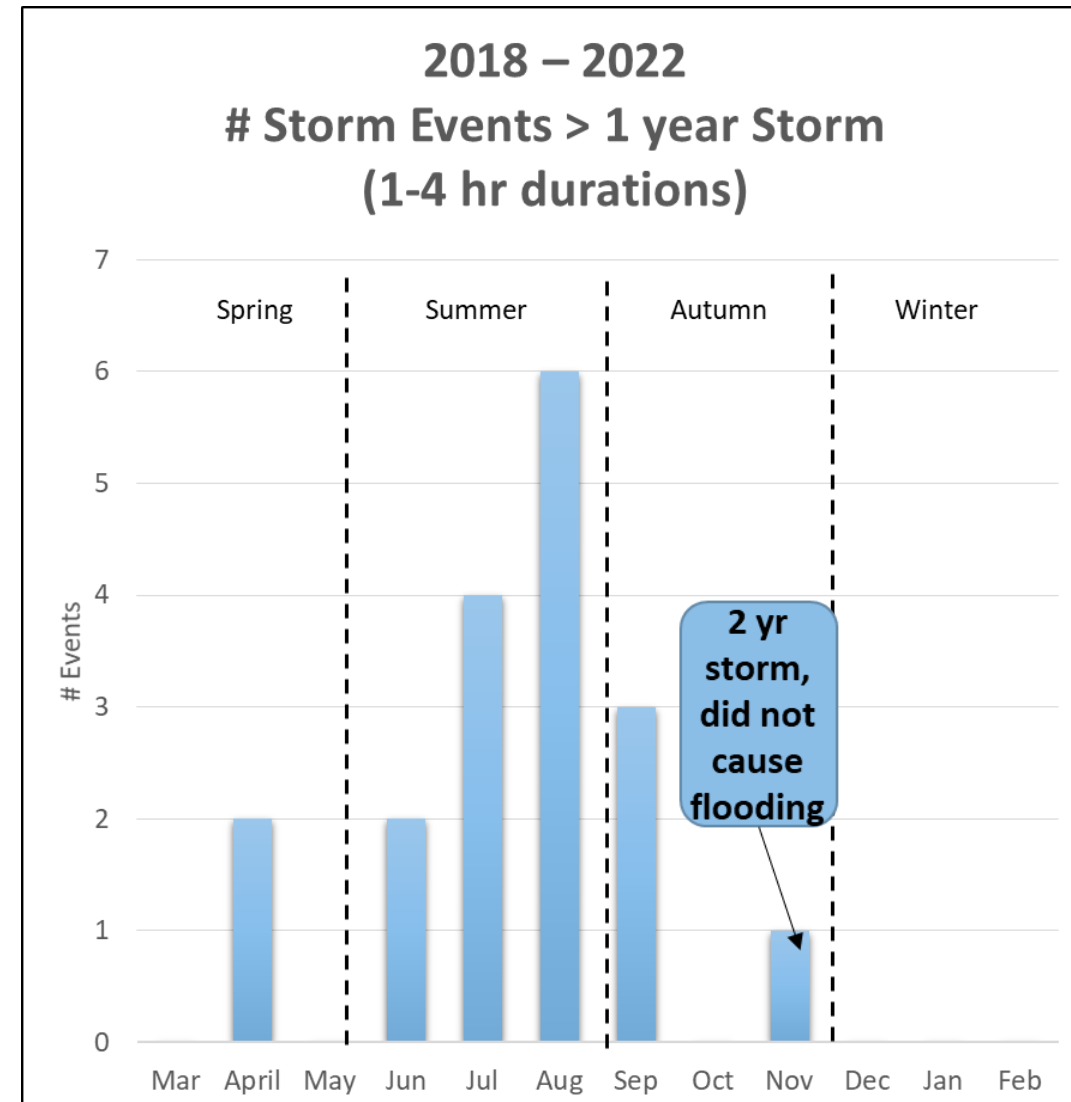
Mitigates risk of taking First St Tunnel out of service during flood risk period

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

NEBT/FST Commissioning Plan: Risk Mitigation Plan

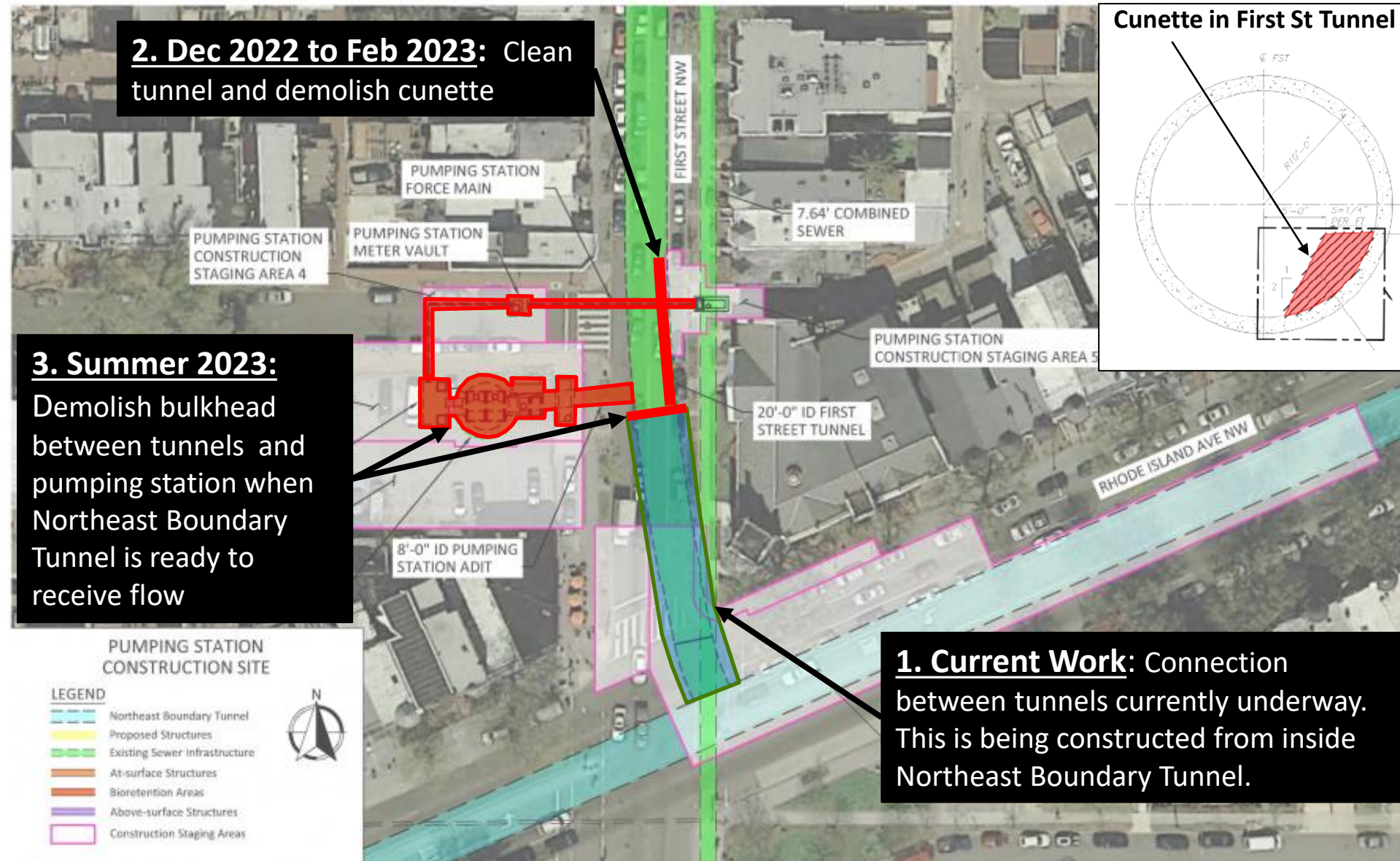


- Large and intense rain events that cause flooding don't typically occur in winter
- Facilities that remain in service
 - Irving Street Green Infrastructure Project = 0.4 million gallons
 - McMillan Stormwater Storage Projects = 3.6 million gallons
 - DDOT 5' diameter detention sewer under Rhode Island 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



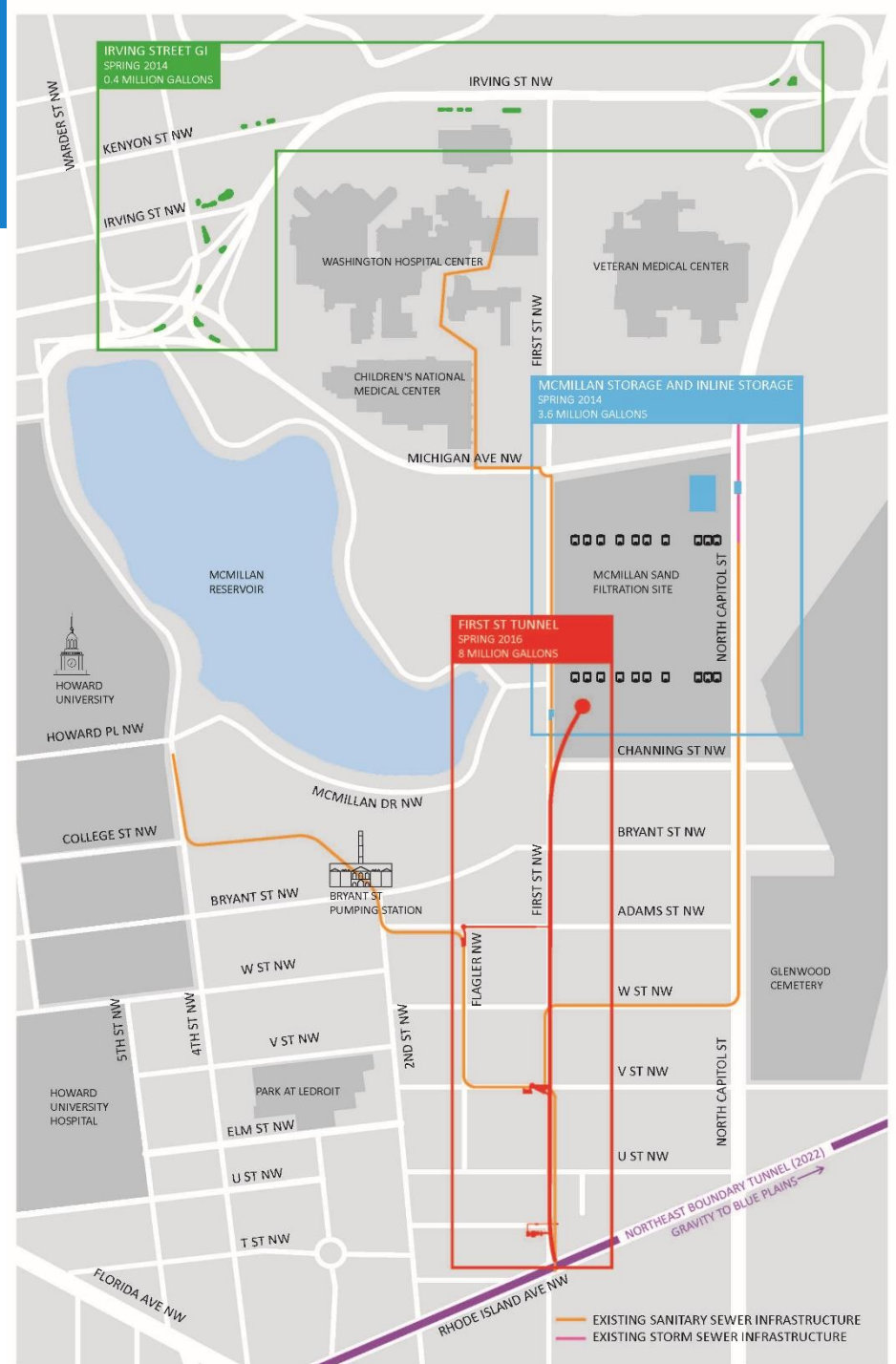
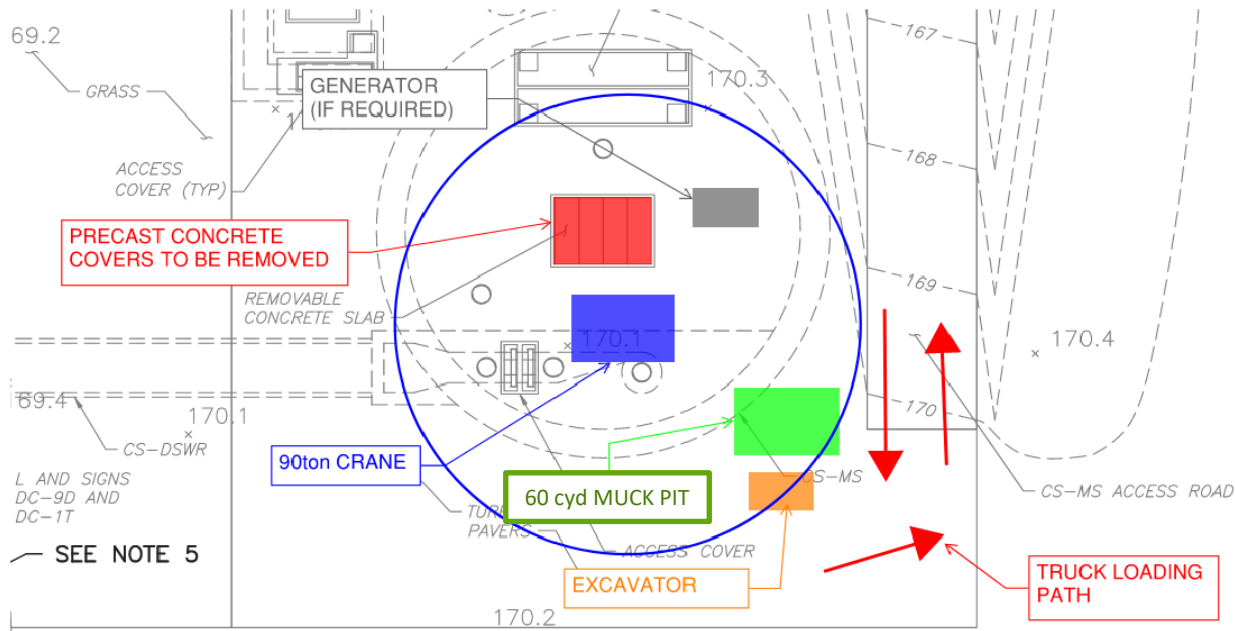
Northeast Boundary Tunnel (NEBT)
First Street Tunnel (FST)

First Street Tunnel Connection Work



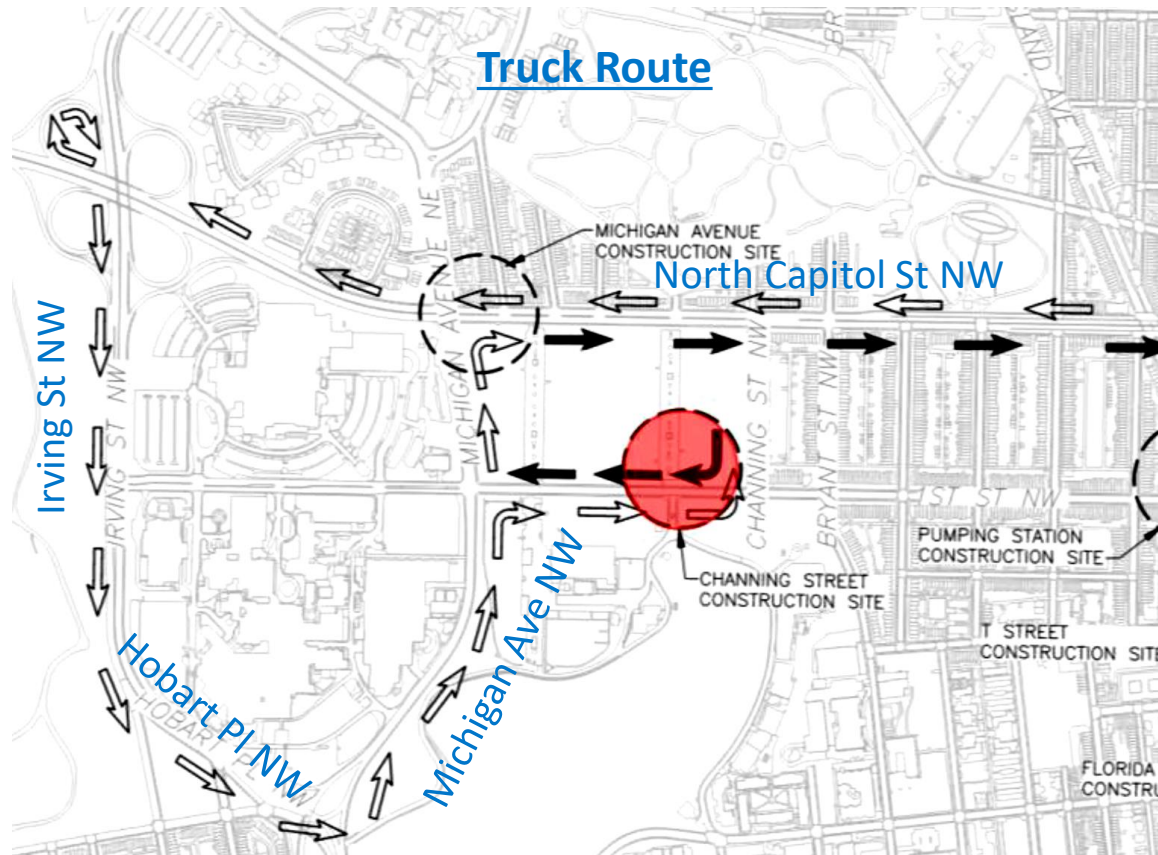
dc Channing Street NW

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).





NEBT/FST Commissioning Plan: Channing 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.

NEBT/FST Commissioning: Getting Prepared



■ Catch Basin Cleaning

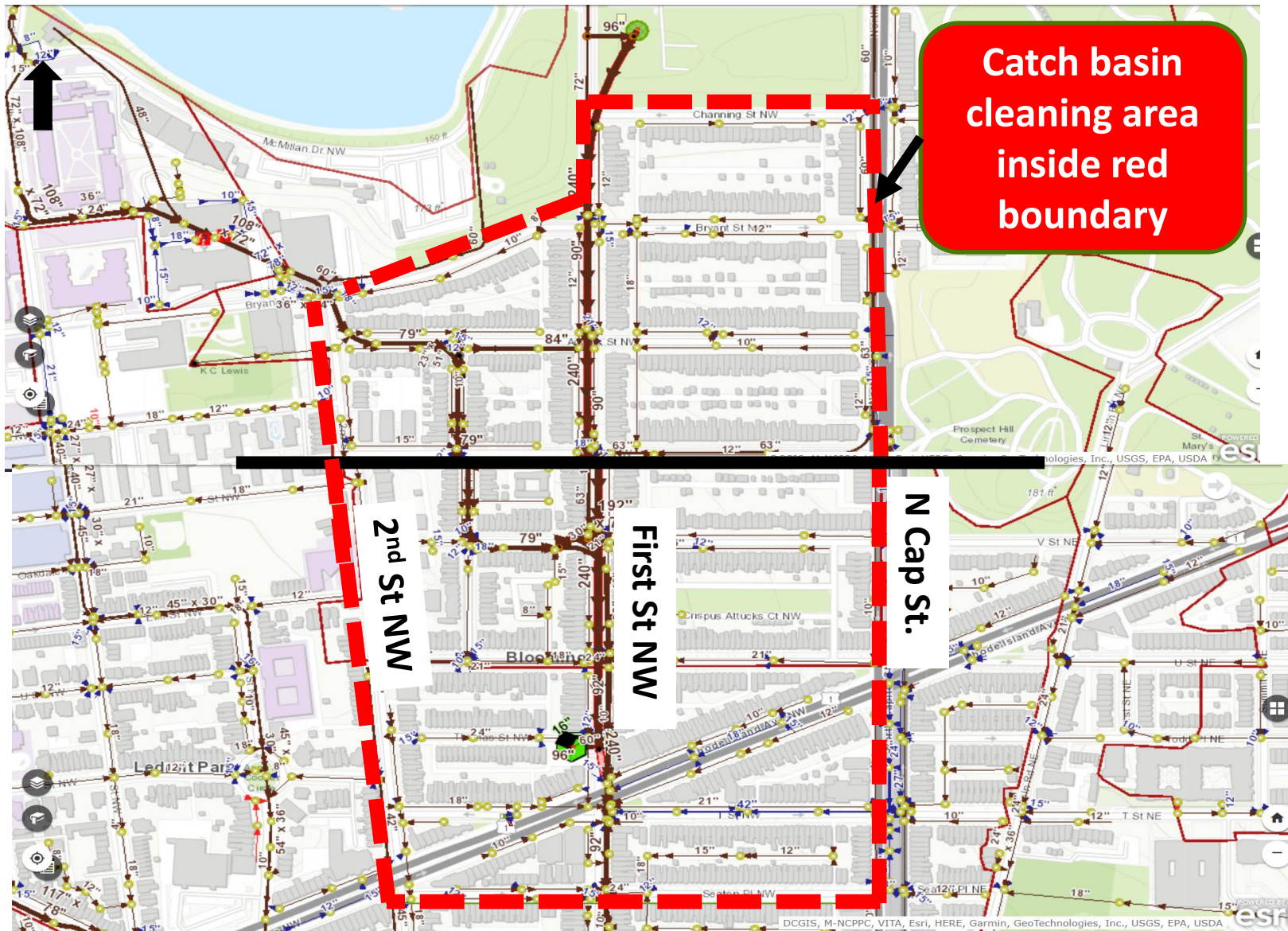
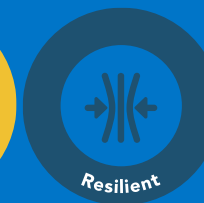
- DC Water will clean catch basins in Oct and 1/month during an outage

■ 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)
- Contact [DC Water Command Center](#) by phone at **202-612-3400**, email at command.center@dcwater.com, or by Tweet “@dcwater”



Location for Catch Basin Cleaning & Sandbag Distribution

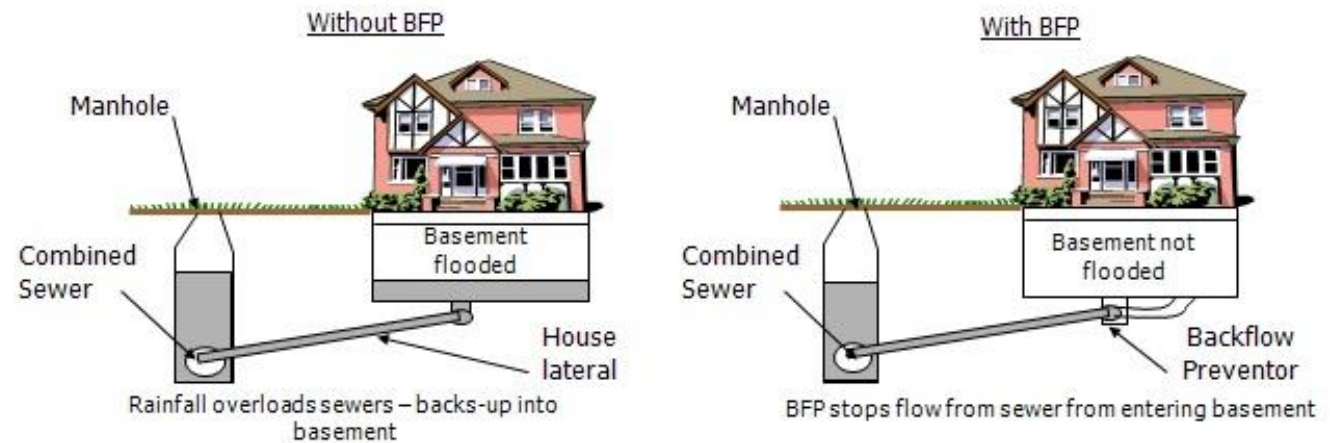


NEBT/FST Commissioning: Getting Prepared



■ Backflow Preventor Program

- Get Yours: dcwater.com/backwater-valve-information-and-rebate-program-application
- Contact DC Water Community Outreach Manager: Emanuel Briggs (202) 787-2003, emanuel.briggs@dcwater.com



■ 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



- 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