

*Clean Rivers Project
Northeast Boundary Tunnel*

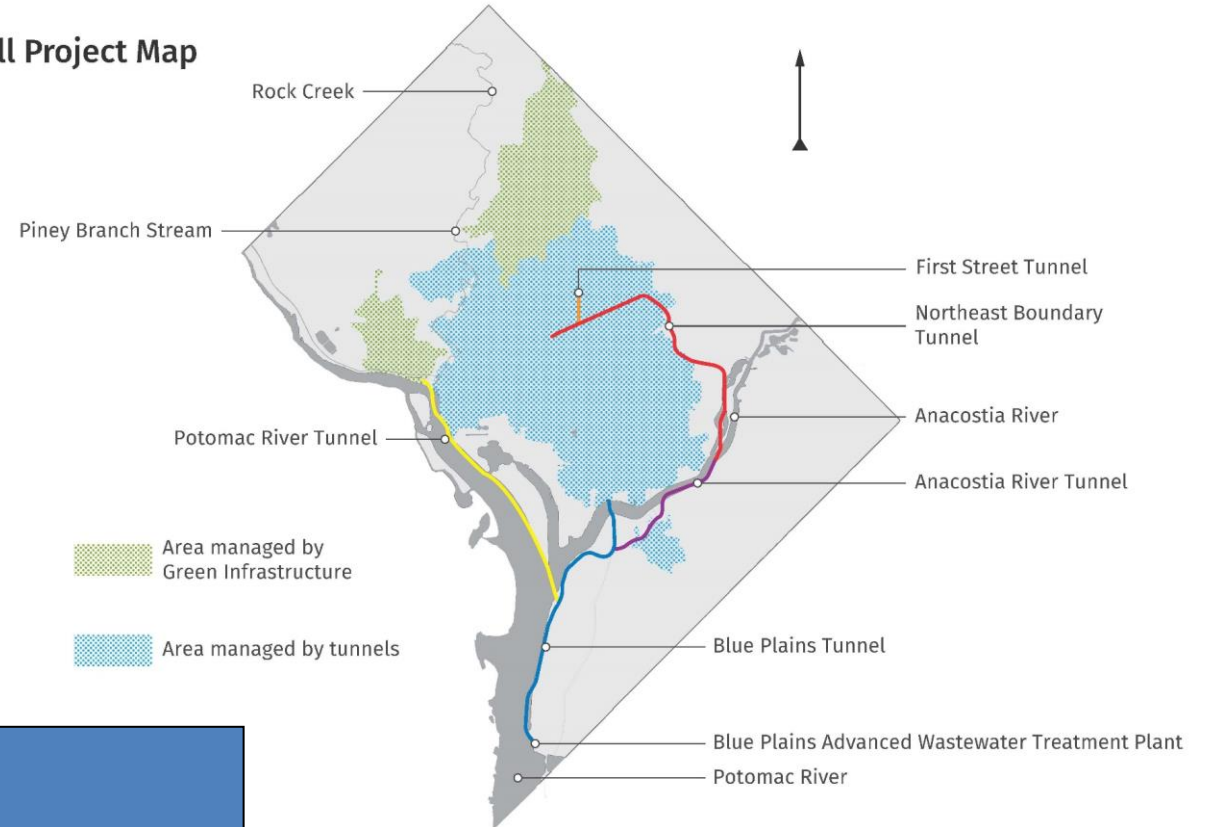
T Street NW Construction Site Block Meeting

March 13, 2020

DC Clean Rivers Project

Tunnel System	Status	Operation Date
First Street Tunnel	In Operation	2016
Blue Plains Tunnel	In Operation	2018
Anacostia River Tunnel	In Operation	2018
Northeast Boundary Tunnel	Construction	2023
Potomac River Tunnel	Planning	2030

Overall Project Map



DC CLEAN RIVERS PROJECT AND NITROGEN REMOVAL PROGRAMS

- DC Clean Rivers Project: \$2.7 Billion
- Nitrogen Removal: \$950 Million
- Total > \$ 3.6 Billion
- 25 year implementation (2005 – 2030)
- 96% reduction in CSOs & flood relief in Northeast Boundary
- Approx 1 million pounds/year nitrogen reduction predicted

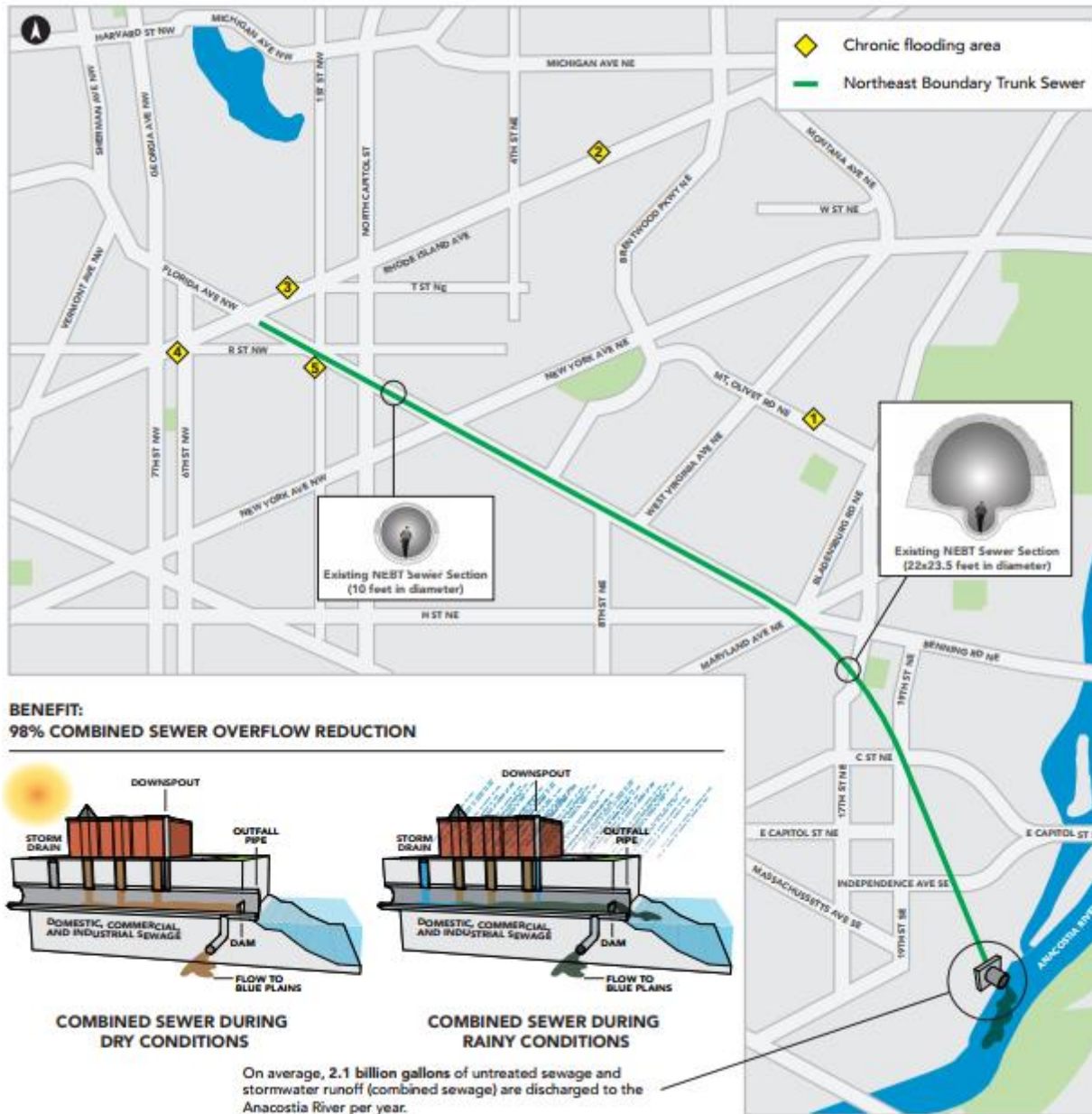
Anacostia River Tunnel System Performance to Date

- ❑ Approximately 6.9 billion gallons captured to date
- ❑ Nearly 3,100 tons of trash, debris, and other solids captured
- ❑ Exceeding predicted capture rate (90%>80%)
- ❑ First year in operation was the wettest year on record for the District of Columbia



Trash and debris removed from CSO captured by tunnel at ECF
Fine Screens

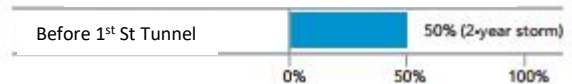
Northeast Boundary Tunnel – Problem



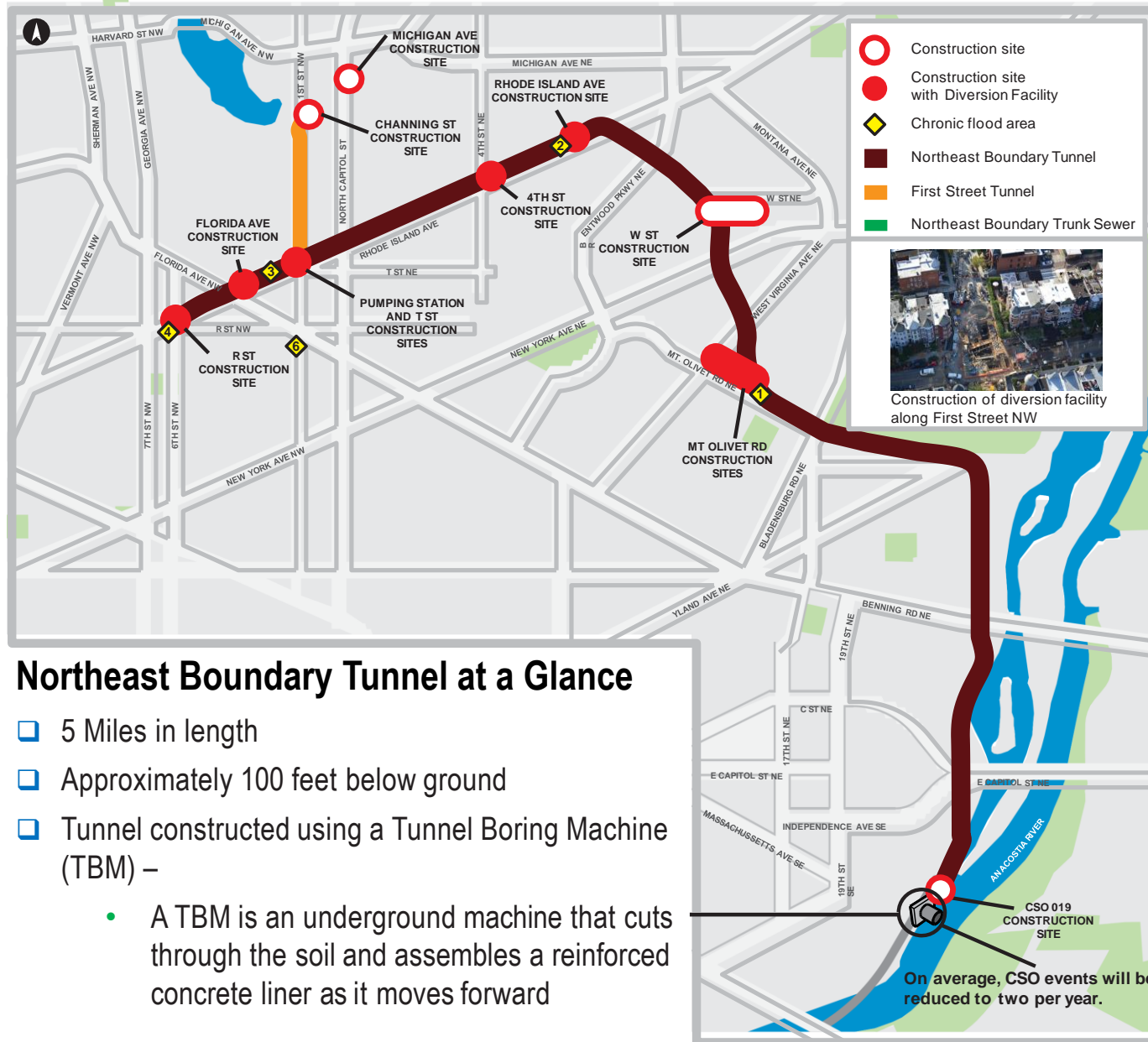
**THE PROBLEM:
CHRONIC SEWER FLOODING**



Chance of flood occurring in any given year



Northeast Boundary Tunnel – Solution



Northeast Boundary Tunnel at a Glance

- 5 Miles in length
- Approximately 100 feet below ground
- Tunnel constructed using a Tunnel Boring Machine (TBM) –
 - A TBM is an underground machine that cuts through the soil and assembles a reinforced concrete liner as it moves forward

Tunnel Benefits

- Significantly mitigate the frequency, magnitude and duration of sewer flooding and basement backups in the Northeast Boundary drainage area
- Control CSO discharges to the Anacostia River, significantly improving water quality
- Minimize the nuisance and economic costs associated with flooding
- Reduce risks to human health

T Street NW Construction Site

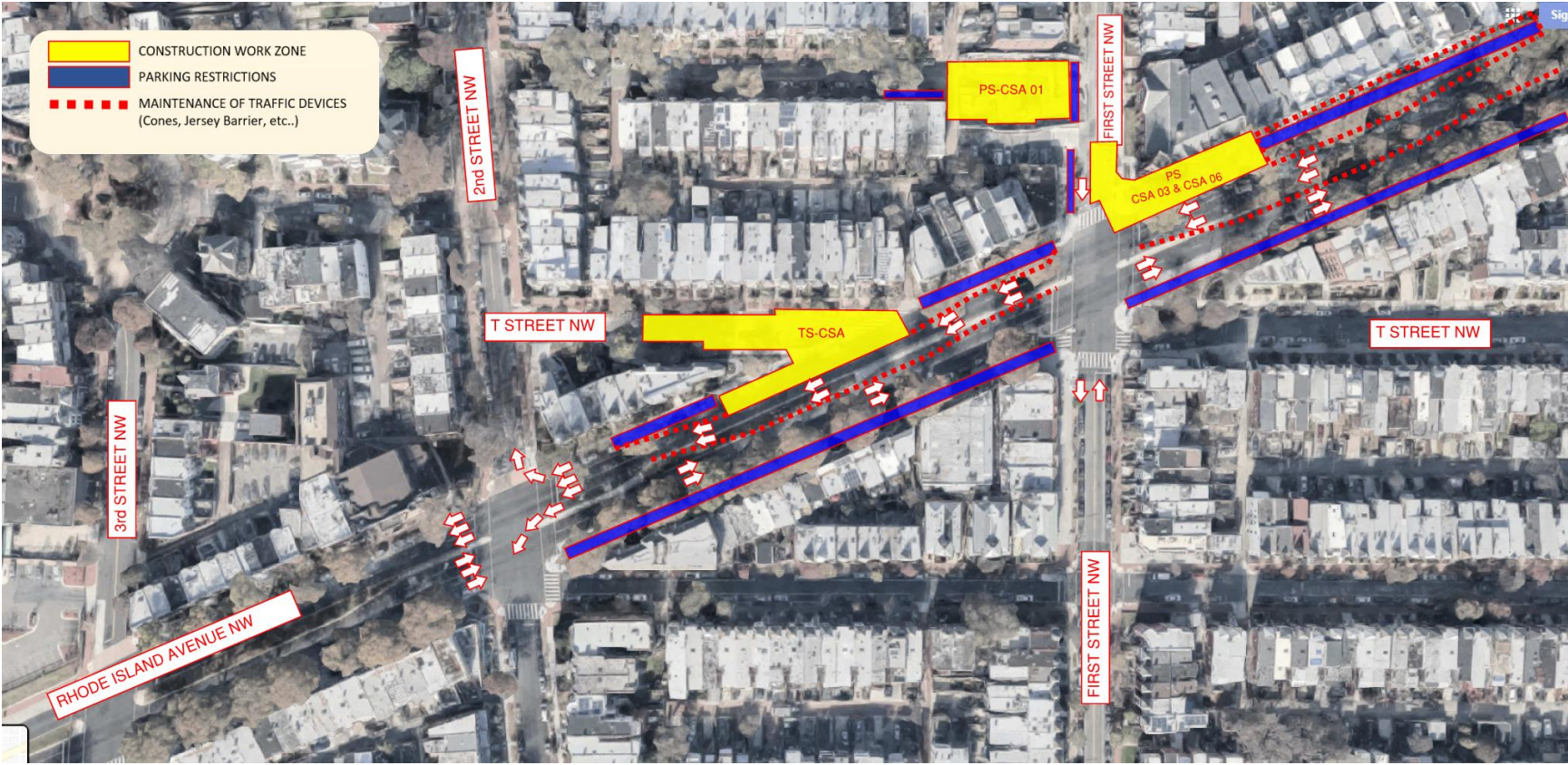
*Dates are approximate and subject to change as construction progresses



Schedule*		Work Hours	
Start	Finish	Start	Finish
March 2020	February 2023	7:00 AM	7:00 PM

In the above map, the three colors of the construction site—blue, yellow, and pink—represent the various phases of construction. The Outreach Team will alert you of the phase changes and the impacts to traffic patterns and pedestrian detours.

Traffic Pattern and Parking Restrictions



T STREET NW CONSTRUCTION SITE – Travel Lanes

MAIN IMPACT: Traffic access to the 100-block of T Street will be closed from Rhode Island Avenue NW. However, access to T Street will still be available from 2nd Street NW. Two-lanes of traffic in each direction and parking restrictions on Rhode Island Avenue.

Pedestrian Detour



T STREET NW CONSTRUCTION SITE – Pedestrian Detour

MAIN IMPACT: At T Street NW the crosswalk is closed at the westbound side of Rhode Island Avenue NW.

Major Construction Equipment



Slurry Plant Silos



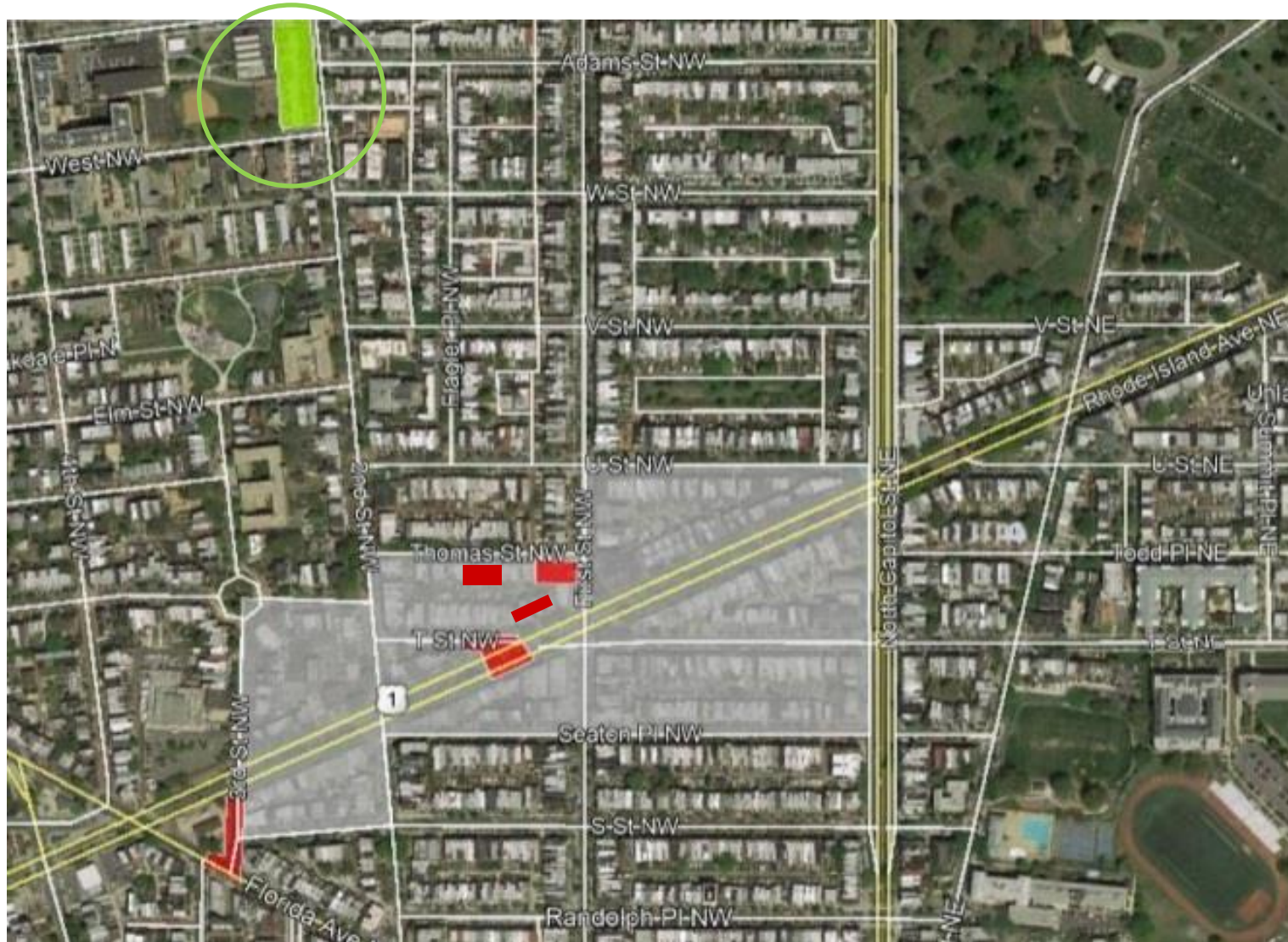
Jet Grout Rig



Caisson Drill Rig

Bryant Street Alternative Parking Area (APA)

2nd & Bryant Streets, NW



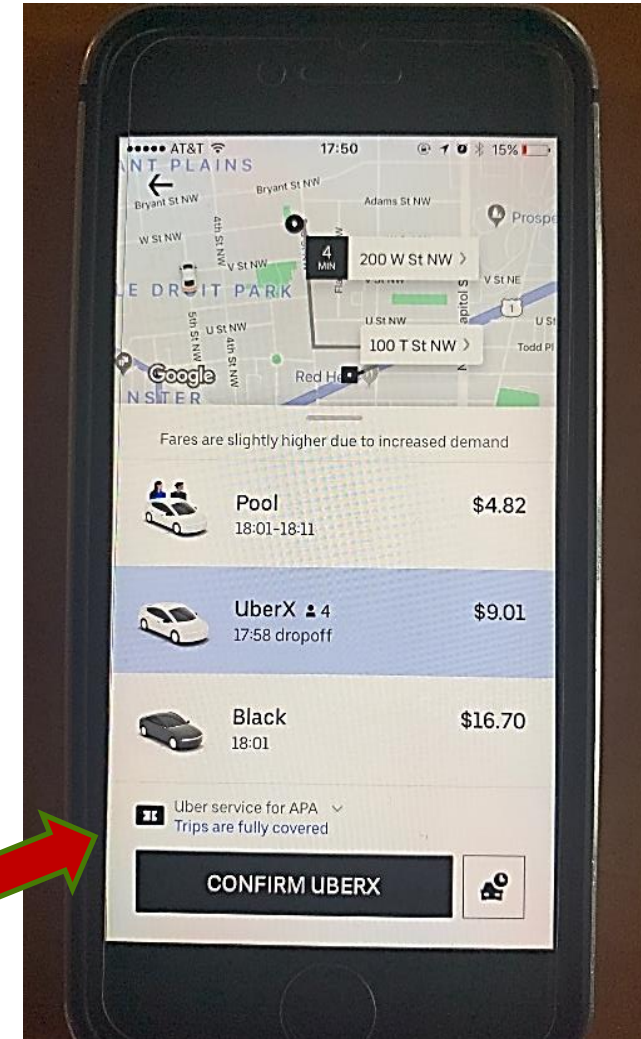
The Bryant Street APA is located at the intersection of Bryant Street and 2nd Street NW. It is available to residents impacted by the NEBT construction. To register for a parking pass at the APA, please send an email to dccleanrivers@dcwater.com or call the NEBT Hotline at (800) 988-6151.

Bryant Street Alternative Parking Area

2nd & Bryant Streets, NW

How to Use the Uber Service for the Bryant Street APA

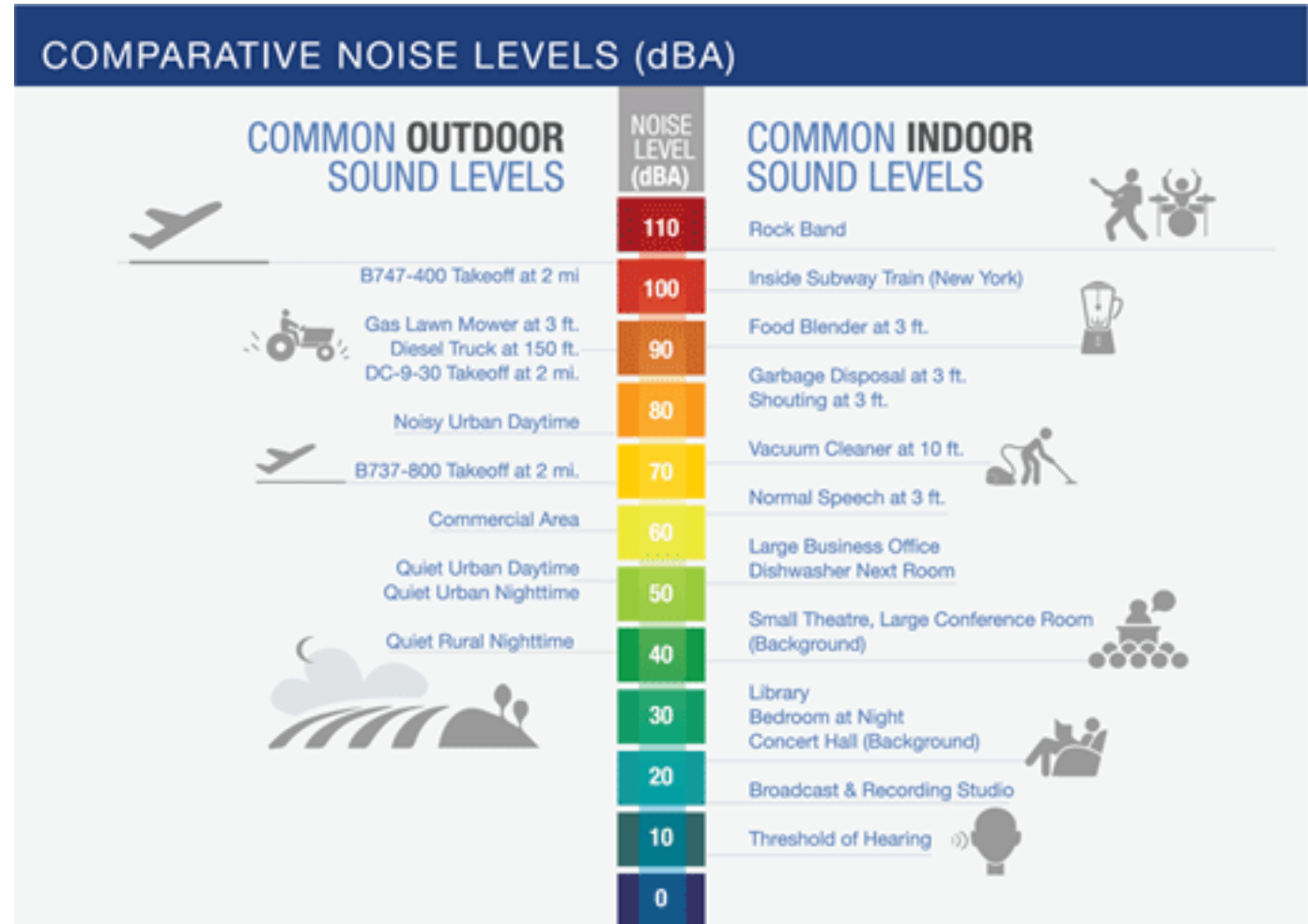
- Register for Bryant Street APA.
 - (email: dccleanrivers@dcwater.com)
- You must have a smartphone with the Uber App installed.
- Check your email for a link. Click on the link, and the Uber App will be opened.
- Follow the instructions to download Uber Vouchers.
- When you are ready to ride, open the Uber App.
- Type in your destination.
- If you are within the geographically designated area, you will see a screen like this:



Community Concerns

Construction Noise and Vibration Monitoring Program

- ❑ Construction activities generate sound
- ❑ Noise and Vibration Specialist
 - ❑ Conducts daily monitoring
 - ❑ Implements mitigation measures
- ❑ Contractor held to District of Columbia Municipal Regulations (DCMR) limit of an hourly average of 80 decibels during weekday days
 - ❑ Same limit as for a leaf blower



Source: Federal Aviation Administration

Community Concerns

Typical Structure Monitoring Devices Where Necessary

- ❑ A monitoring program will measure and document movements.
- ❑ Instrumentation data is routinely reviewed by engineers from the Contractor and DC Water.
- ❑ A Right of Entry between DC Water and the Owner is required for survey targets to be installed and monitored on private property.
 - ❑ Survey targets will only be placed on the exterior of structures.
 - ❑ Survey targets will be measured daily when excavation occurs nearby.



Stick-on Survey Target



Prism

Restoration Plan



Kentucky Coffee Tree

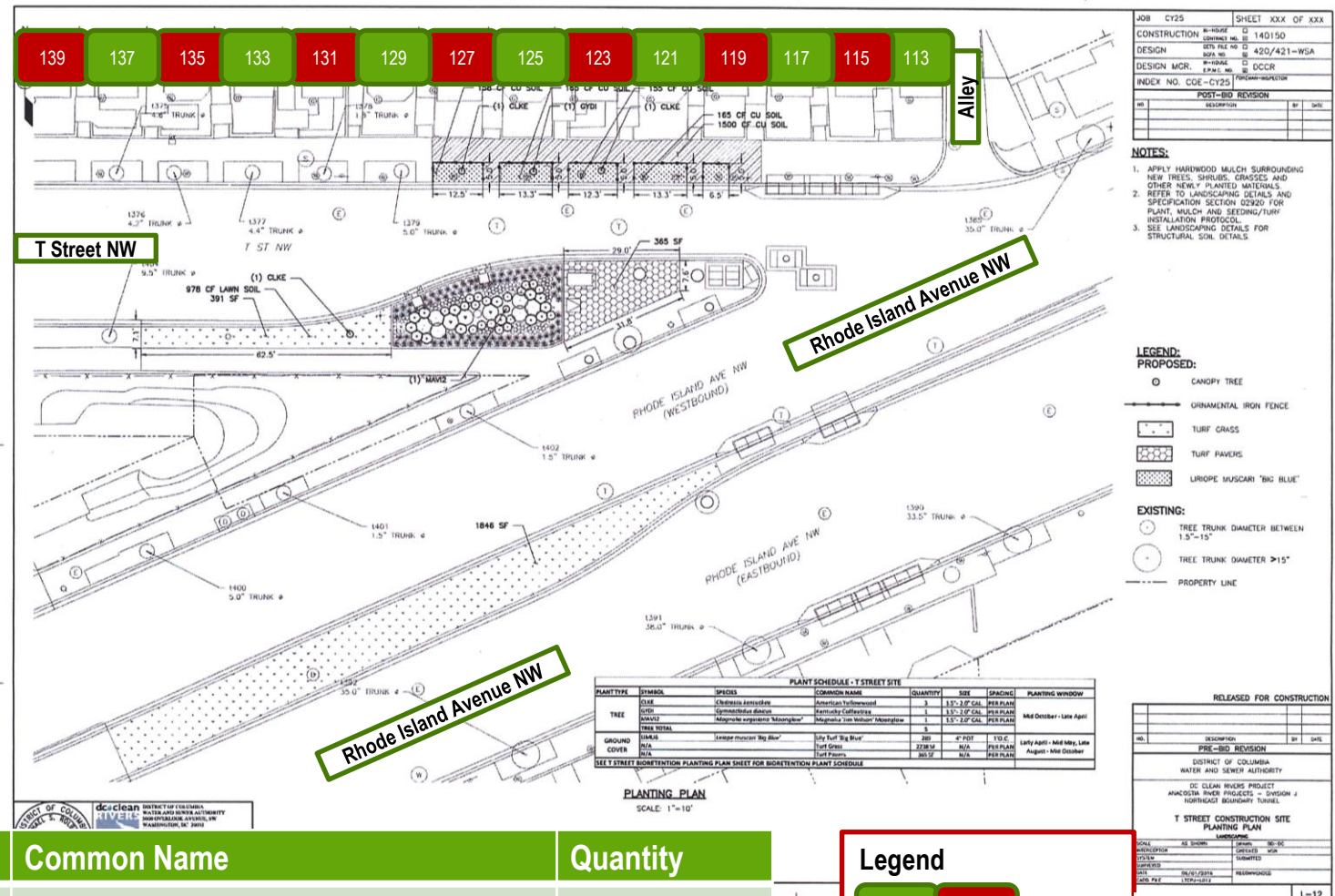
- Height: 60–70 feet
- Spread: 40–50 feet
- Trunk: 3 feet diameter
- Pods: 6 to 10 inches



Yellowwood Tree

- Height: 33–49 feet
- Flowers: white, fragrant
- Pod: 2-6 seeds

Plant Type	Common Name	Quantity
Tree	American Yellowwood	3
	Kentucky Coffee Tree	1
	Magnolia “Jim Wilson” Moonglow	1
Ground Cover	Lily Turf “Big Blue”	289
	Turf Grass	2238 sf
	Turf Pavers	365 sf



Legend

113 115

Addresses on the 100-block of T Street NW



Contact Us

For More Info

- [24/7 NEBT Hotline: \(800\) 988-6151](tel:(800)988-6151)
- [Email: dccleanrivers@dcwater.com](mailto:dccleanrivers@dcwater.com)
- [Website: dcwater.com/NEBT](http://dcwater.com/NEBT)