

*Clean Rivers Project  
Northeast Boundary Tunnel*

*Tunnel Forum Meeting*

***WELCOME NEIGHBORS!***

March 14, 2019

**Community Welcome –**



# Agenda

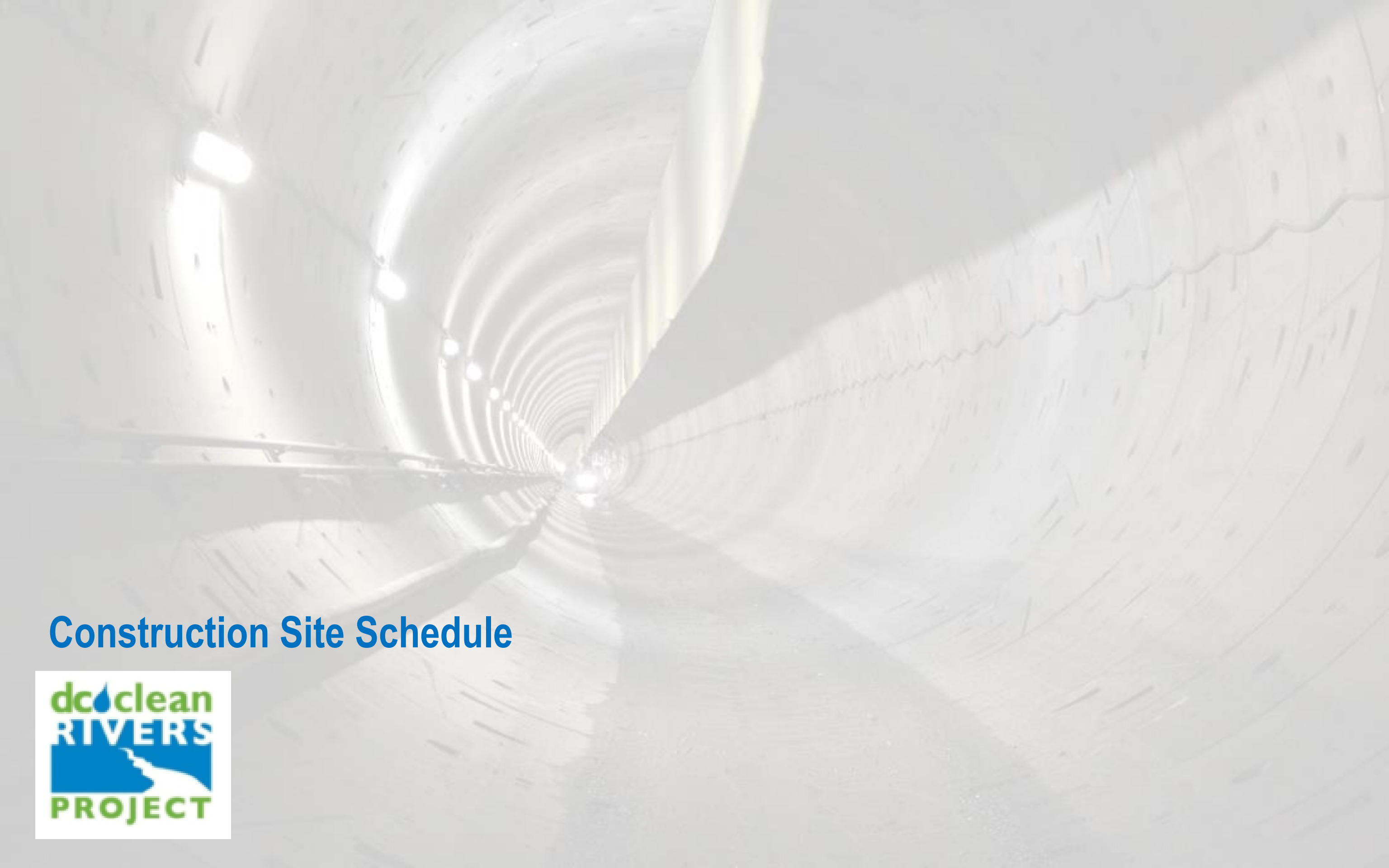
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- **Welcome**
- **Construction Sites Schedule**
- **First Street NW Pumping Station Construction Site**
- **Florida Avenue NW Construction Site**
- **Local Business Partnership with North Capitol Main Street**
- **NEBT Outreach and Tunnel Forum Recruitment**
- **Questions**

# Northeast Boundary Tunnel Project Overview

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- **This is a Federal Consent Decree Project**
  - Between DC Water, the District of Columbia, the U.S. Environmental Protection Agency, and the U.S. Department of Justice. Salini-Impregilo/Healy Joint Venture (SIH) is the design-builder selected for the work.
- **Mitigate chronic flooding**
  - For decades during heavy rainfalls, the neighborhoods of LeDroit Park and Bloomingdale, the Rhode Island Metro Station area, other neighborhoods near Rhode Island Avenue, and Mount Olivet Road, NE experienced chronic flooding. The Northeast Boundary Tunnel, being mined by Chris the Tunnel Boring Machine, will significantly mitigate sewer flooding while improving the water quality of the Anacostia River.
- **Reduce untreated combined sewage overflows to Anacostia and Potomac Rivers and Rock Creek**
  - Currently 88% (?) of the CSO discharging to the Anacostia prior to the Clean Rivers project, now go to Blue Plains for treatment. It will go up to 98% after NEBT. 300 tons of floatables were captured in Blue Plains last year.



## Construction Site Schedule





# Construction Site Schedule

## R Street NW

- **MAY 2019 – JUNE 2019**
  - Mobilization on Site
  - Install Geotechnical and Monitoring Instrumentation
  - Site Preparation

## T Street NW

- **Completed Utility Relocation**
- **OCTOBER 2019 – DECEMBER 2019**
  - Mobilization on Site/Site Preparation
  - Install Geotechnical and Monitoring Instrumentation

R Street NW  
Construction Site



T Street NW  
Construction Site





## First Street NW Pumping Station Construction Site –





# First Street NW Pumping Station Construction Site

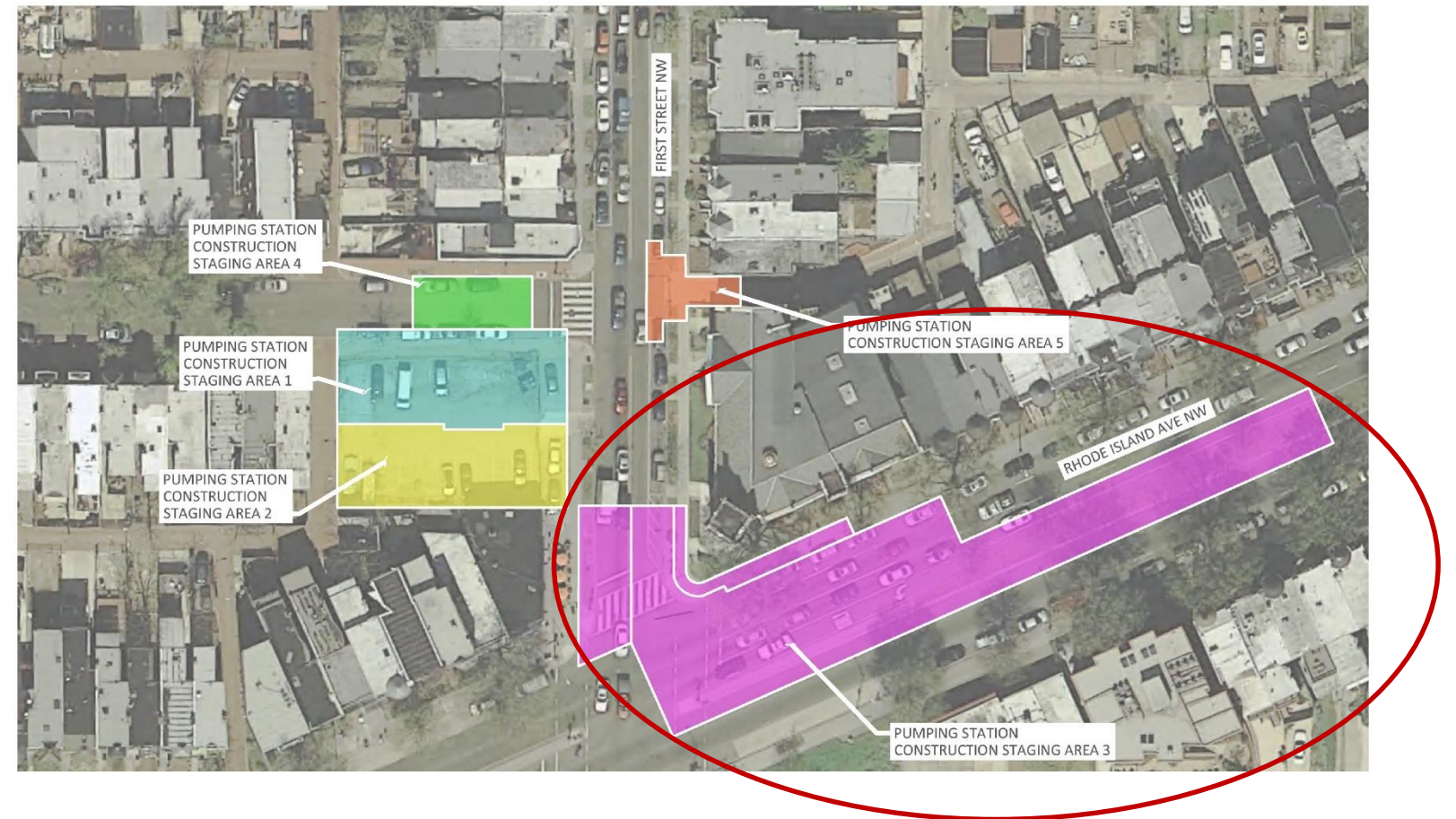
## Construction Site Work Sequencing Overview

### FEBRUARY 2019 – MARCH 2019

- Mobilization on Site/Site Preparation
- Bryant Street Alternate Parking Area (APA)
- Install Geotechnical and Monitoring Instrumentation
- Median Removal

### MARCH 2019 – NOVEMBER 2019

- Jet Grout / Ground Improvement



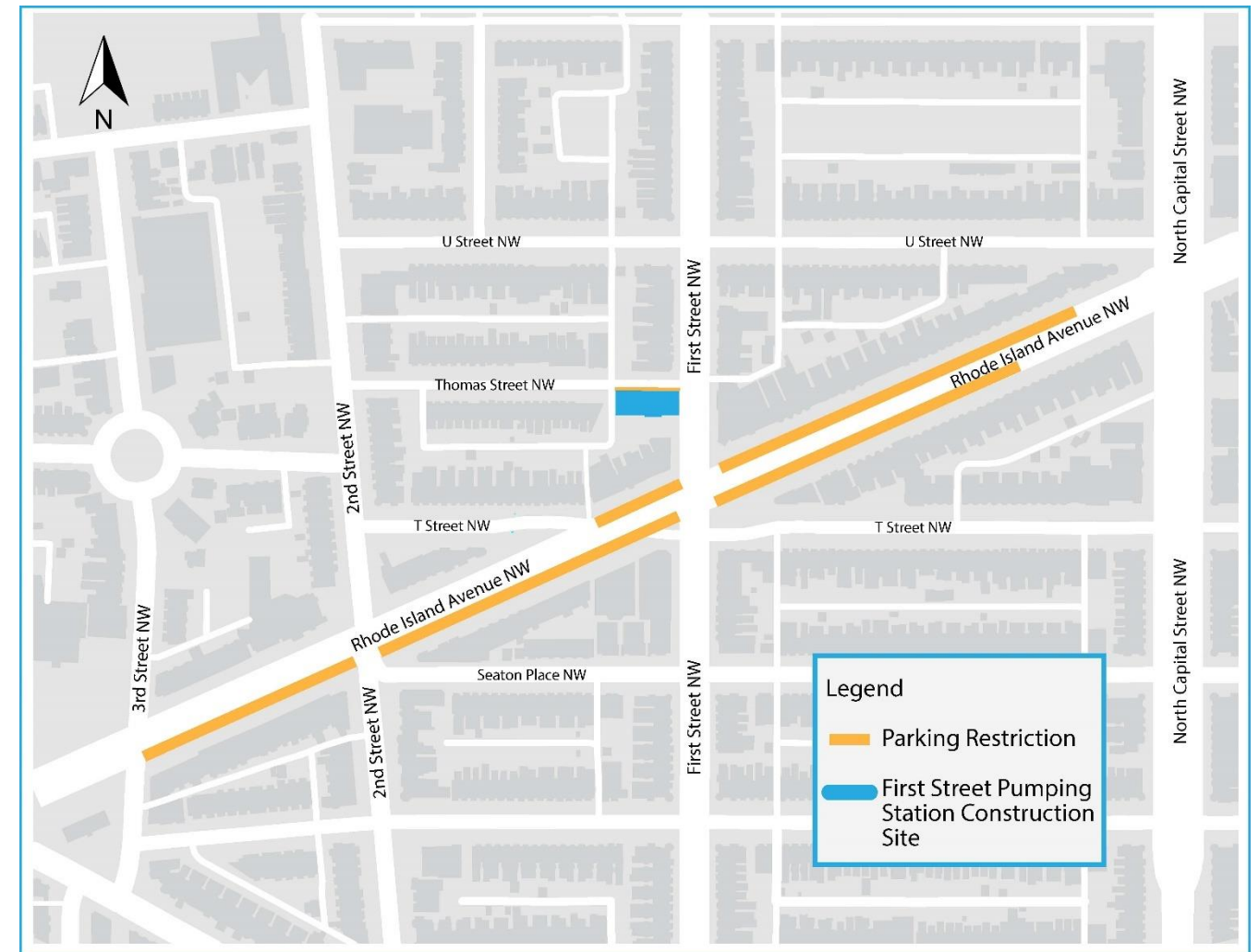


# First Street NW Pumping Station Construction Site

## Rhode Island Avenue NW Median Removal

### MEDIAN REMOVAL

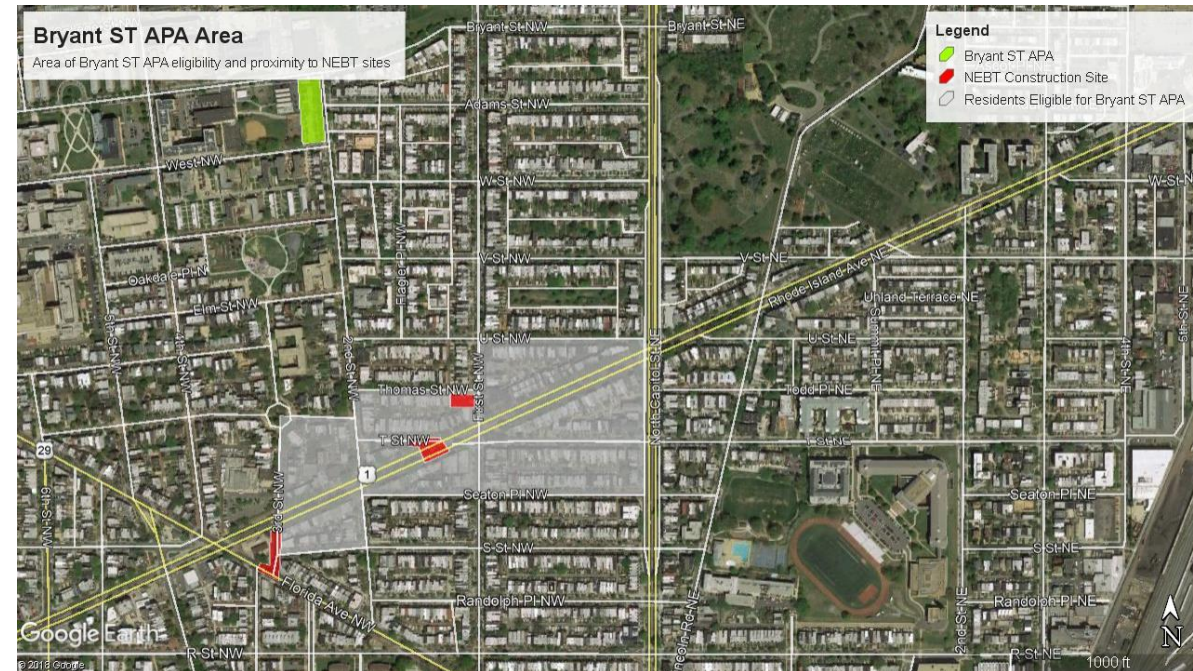
- Purpose
  - Safely move motorists, pedestrians, bicyclists around construction work. Assure the safety of our workers.
  - Minimize impact on traffic due to our construction work
    - Maintain 2 lanes-- 11-feet wide-- in each direction and at all times on Rhode Island Avenue NW
  - Designed to meet DDOT Maintenance of Traffic standards



Parking Restrictions

# Update on Bryant Street Alternative Parking Area

- Letters mailed to residents eligible to park in the APA
- Welcome packages to include the parking tags will be mailed this week
- Security guards will be posted at the APA



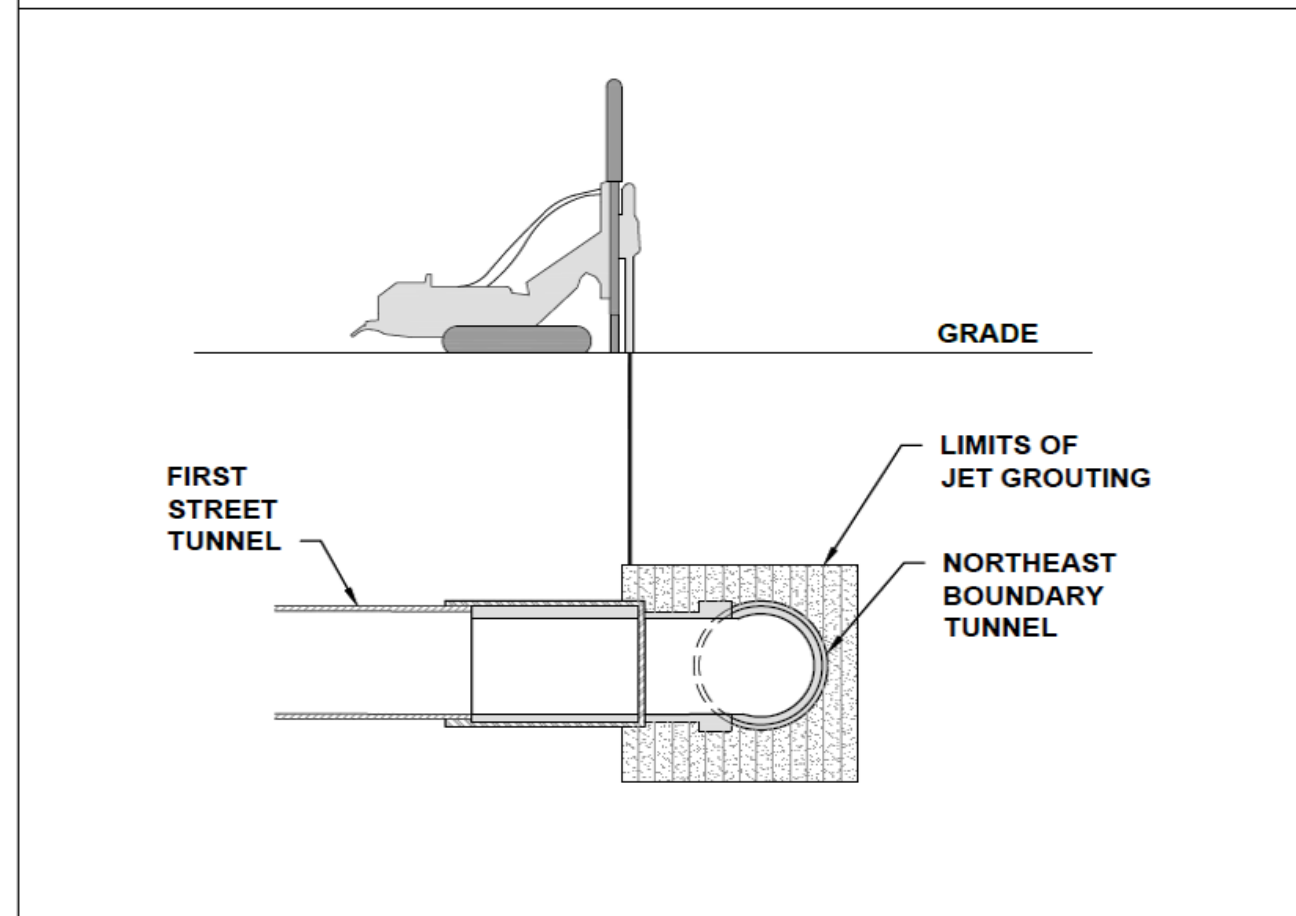
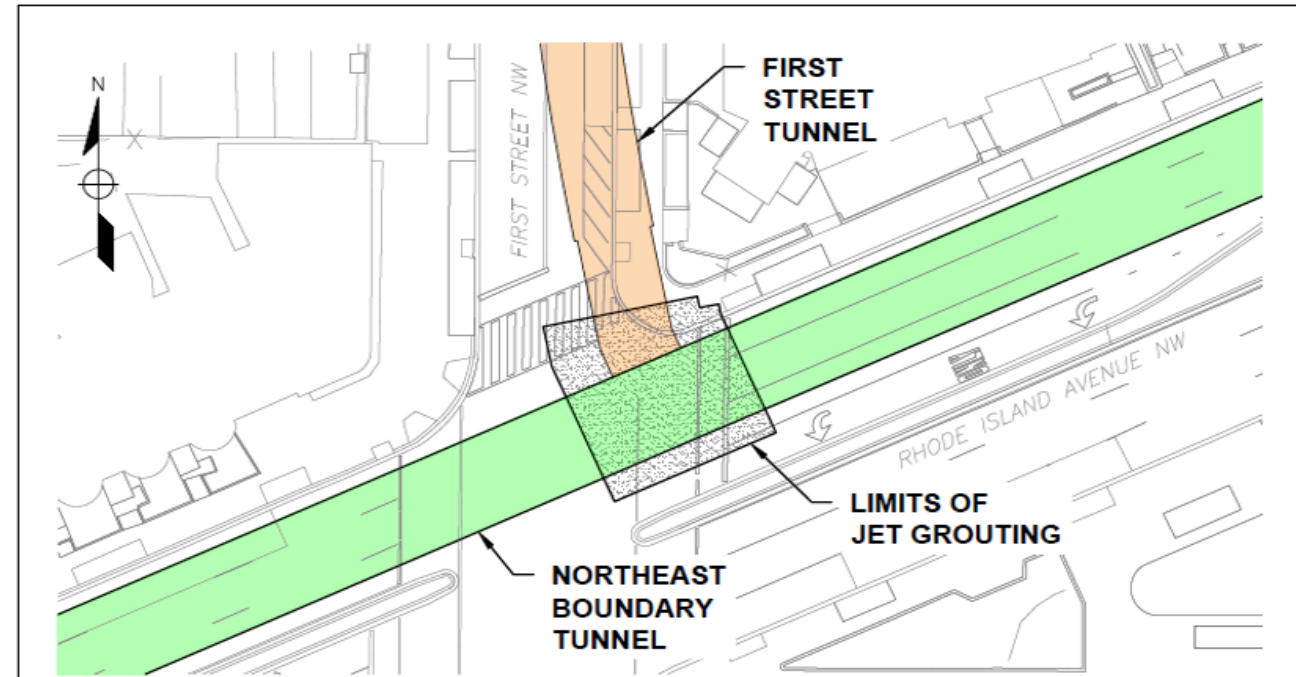


# First Street NW Pumping Station Construction Site

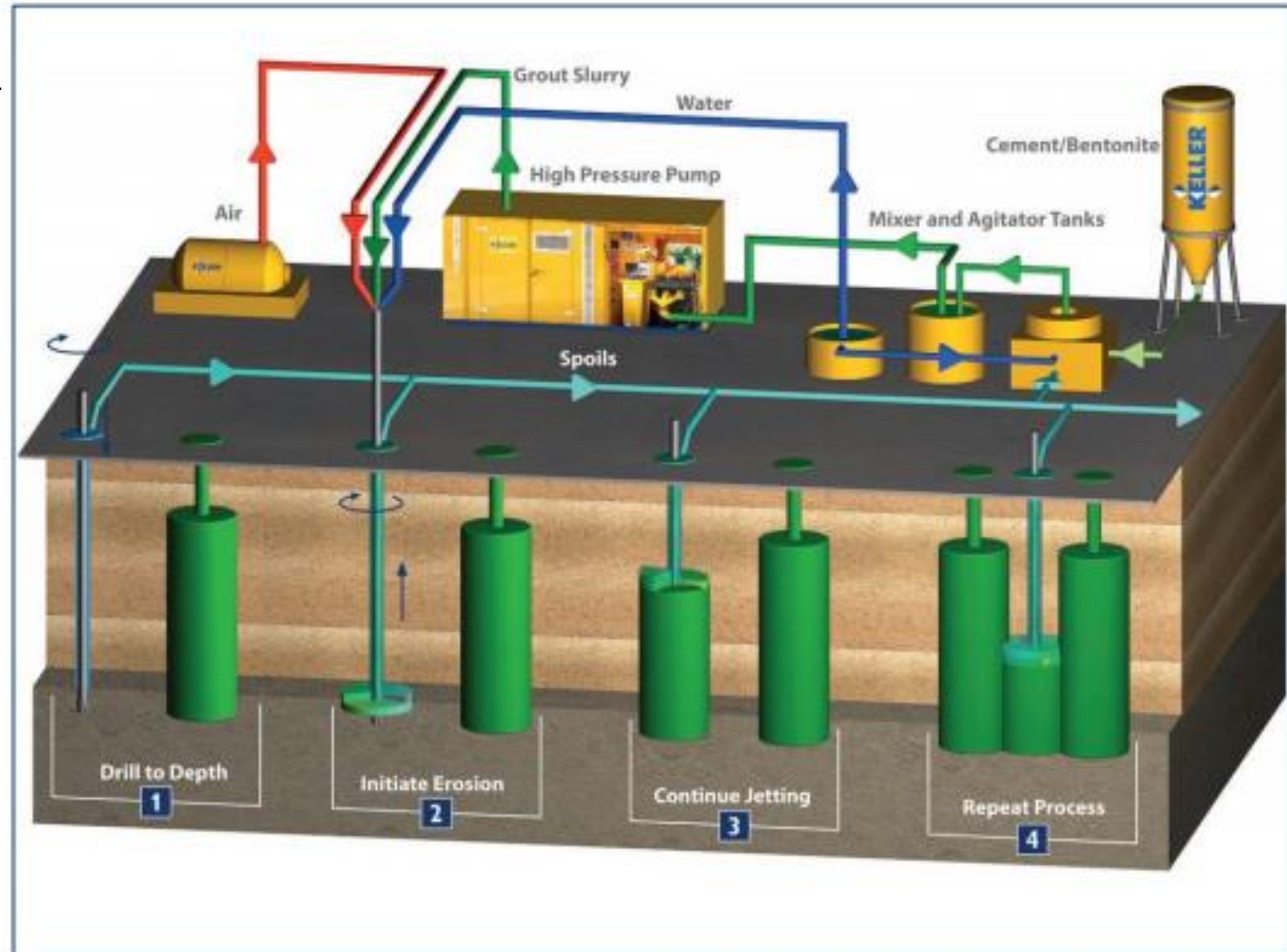
## Median Removal Plan

The **First Street Tunnel** and the **Northeast Boundary Tunnel** will be connected at the intersection of First Street NW and Rhode Island Avenue NW.

Jet grouting is a construction method for ground improvement or soil stabilization.



# Jet Grouting



*Jet grouting equipment and process schematic. This diagram shows the standard equipment layout during column installation on a site.*



# First Street NW Pumping Station Construction Site

## Tree Replanting Plan

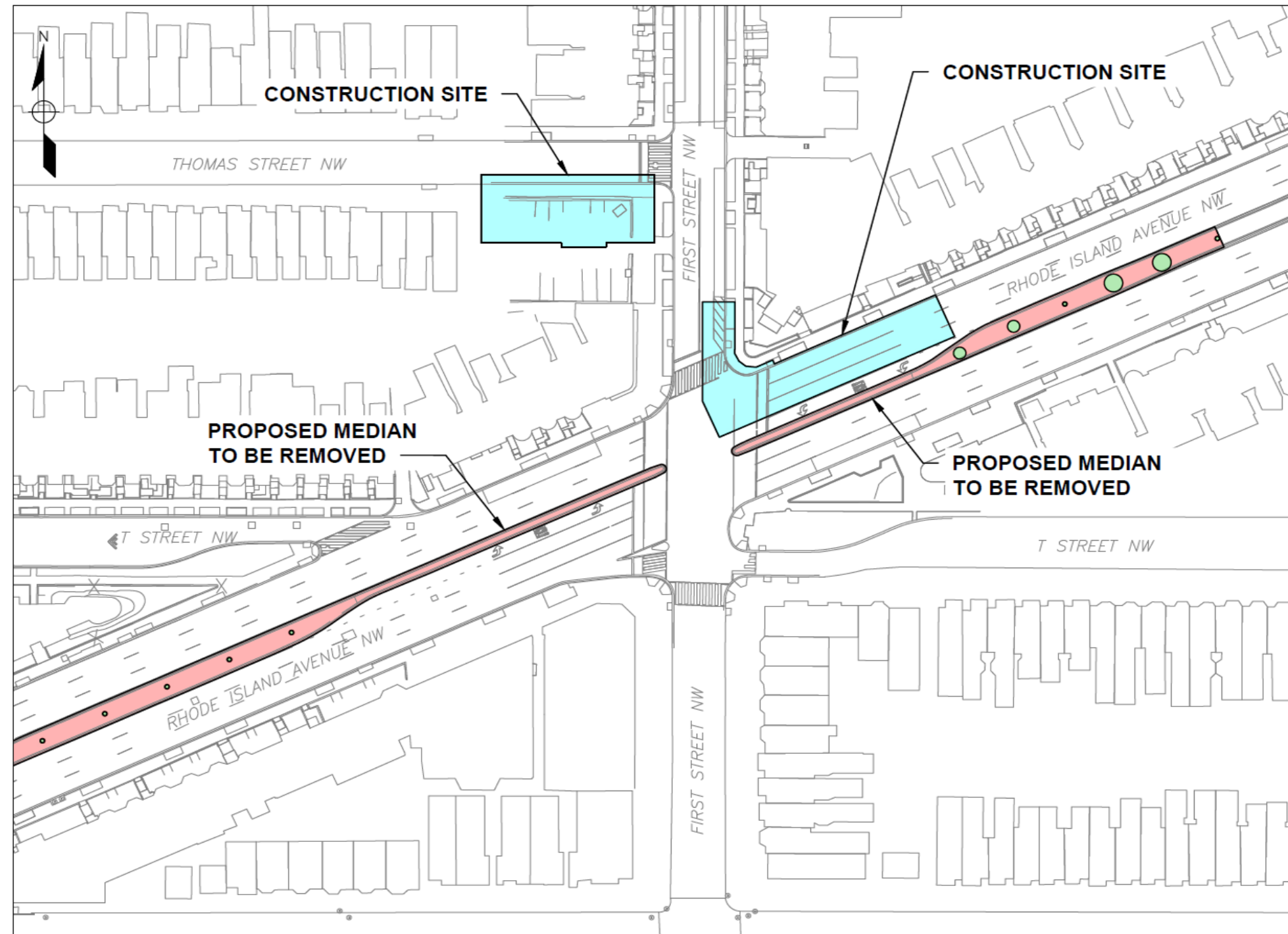
Willow Oak



© Robert O'Brien



Legend  
○ Trees



# First Street NW Pumping Station Construction Site

## Monitoring Noise and Vibration

- 24-hour noise and vibration meter continuously uploads data to our server for review
- The noise and vibration specialist checks meter regularly
- Meters are programmed with an alarm that when triggered, the specialist and others on the team, receive a notification
- Determine if alternative construction methods or additional mitigation is required based on meter readings
- A portable meter is available if a resident informs us of excessive noise or vibration impacts





## Florida Avenue NW Construction Site –





# Florida Avenue Construction Site

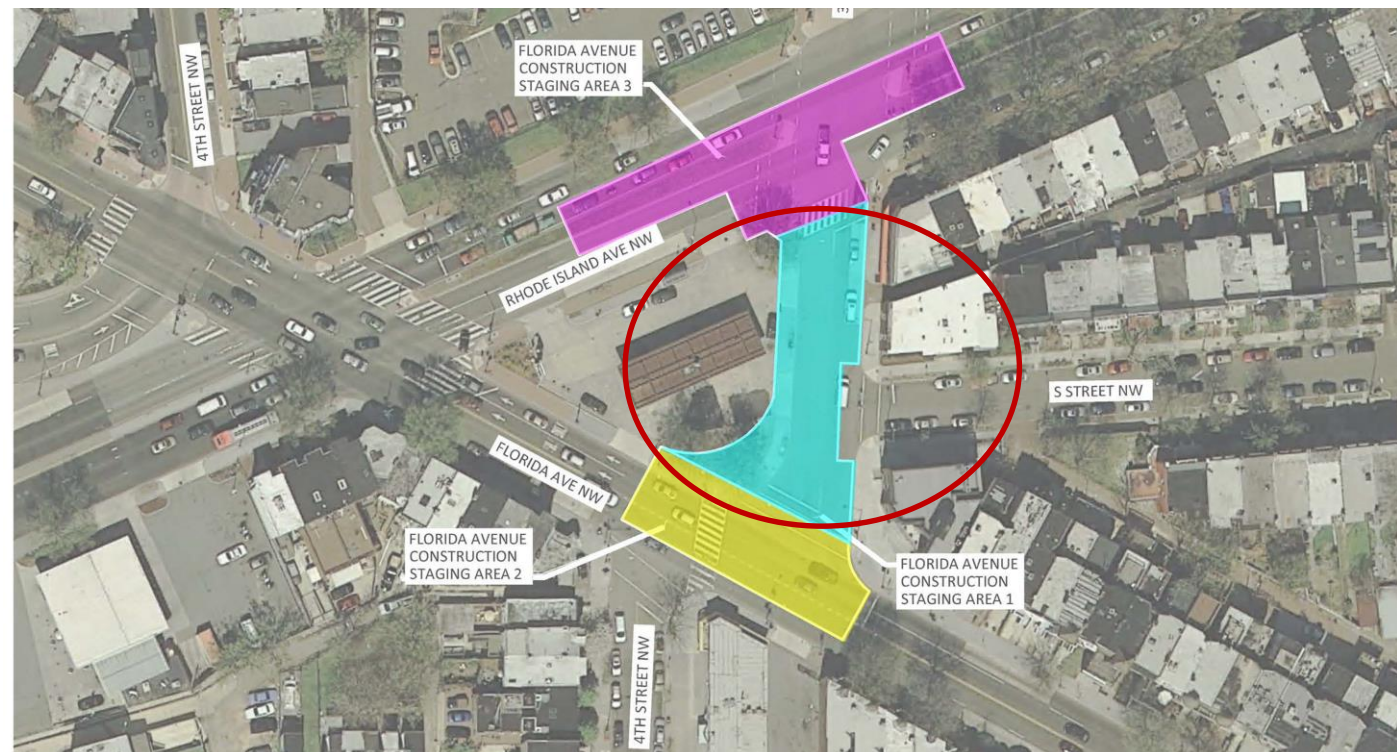
## Construction Site Work Sequencing Overview

### FEBRUARY 2019 – APRIL 2019

- Mobilization on Site
- Install Geotechnical and Monitoring Instrumentation
- Site Preparation

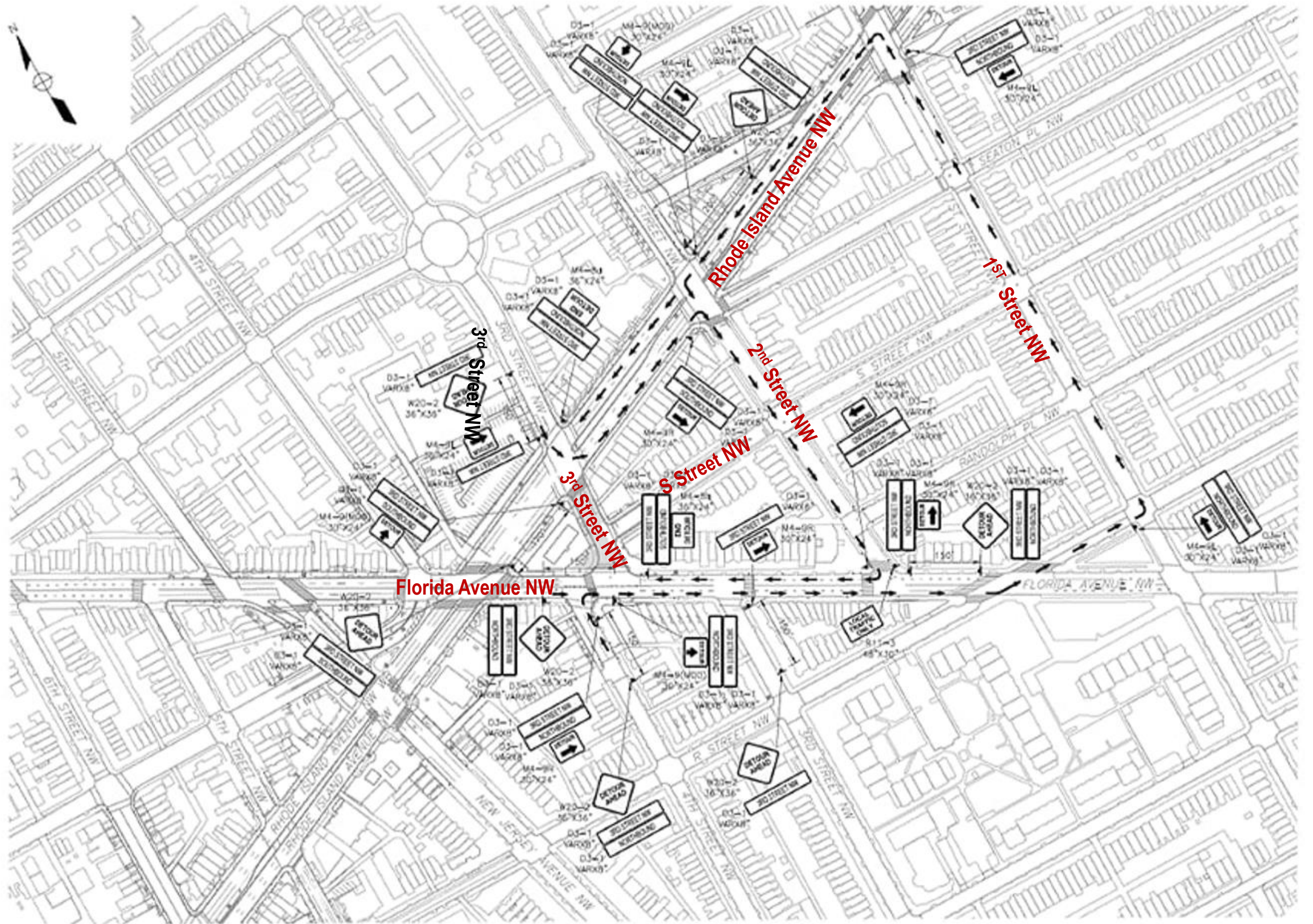
### APRIL 2019 – JANUARY 2020

- Install Secant Piles for Shaft
- Ground Stabilization: Ground Freezing and Jet Grouting
- Drop Shaft Excavation, Final Lining, and Hydraulics



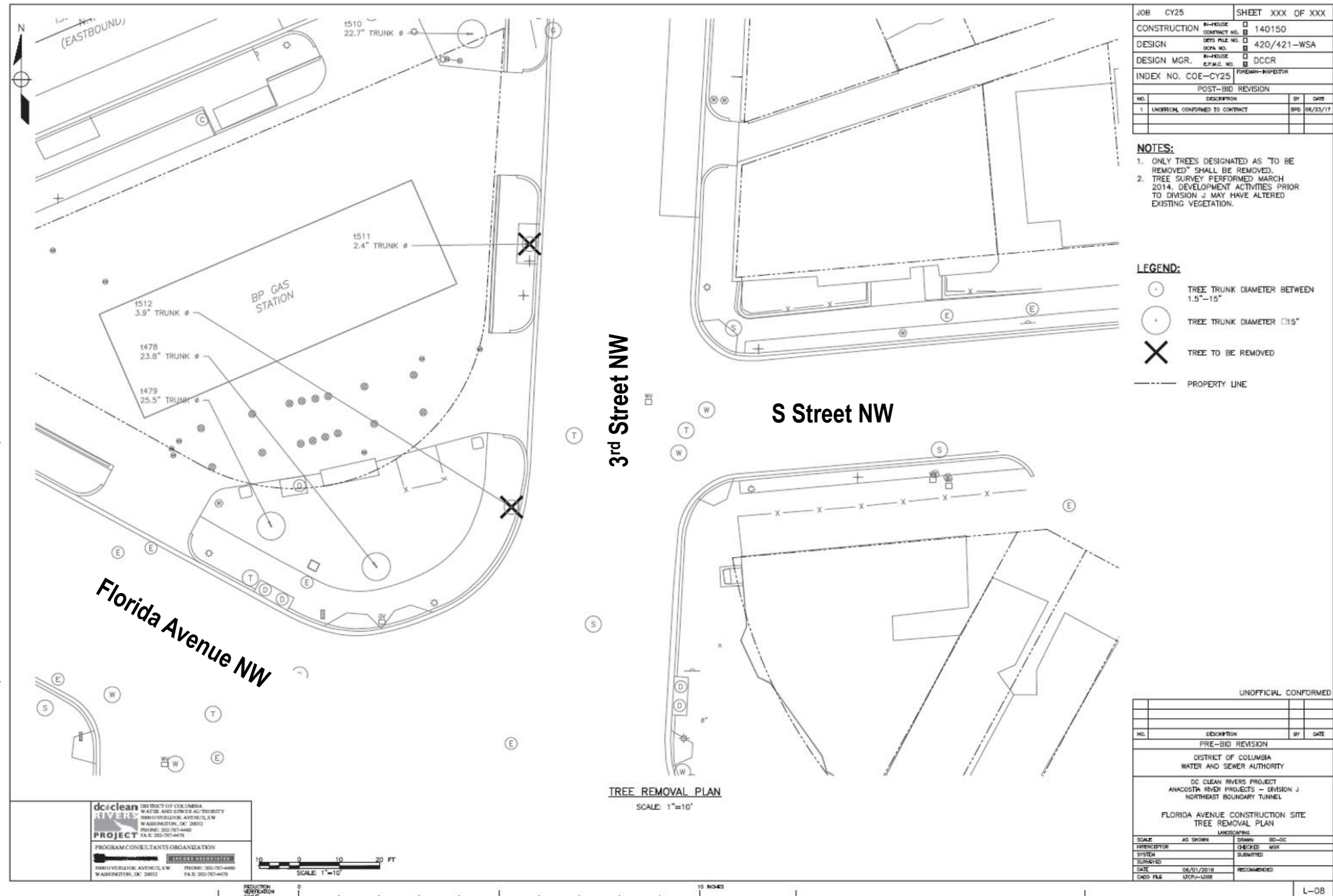


# Florida Avenue Construction Site Alternative Route





# Florida Avenue NW Construction Site Tree Removal Plan

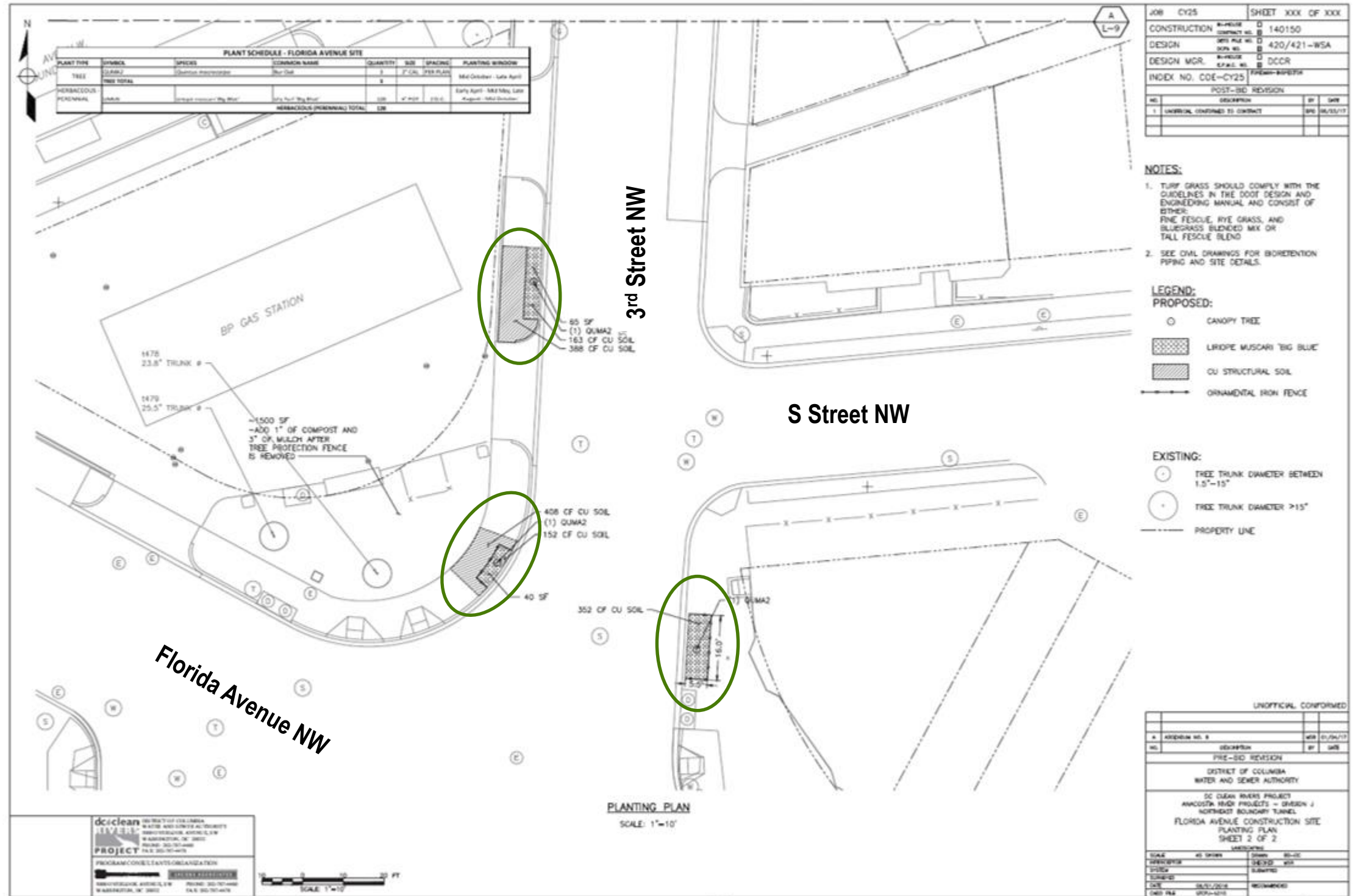


# Florida Avenue NW Construction Site Tree Planting Plan

Bur Oak



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**Local Business Partnership with North Capitol Main Street –**





# North Capitol Main Street Partnership

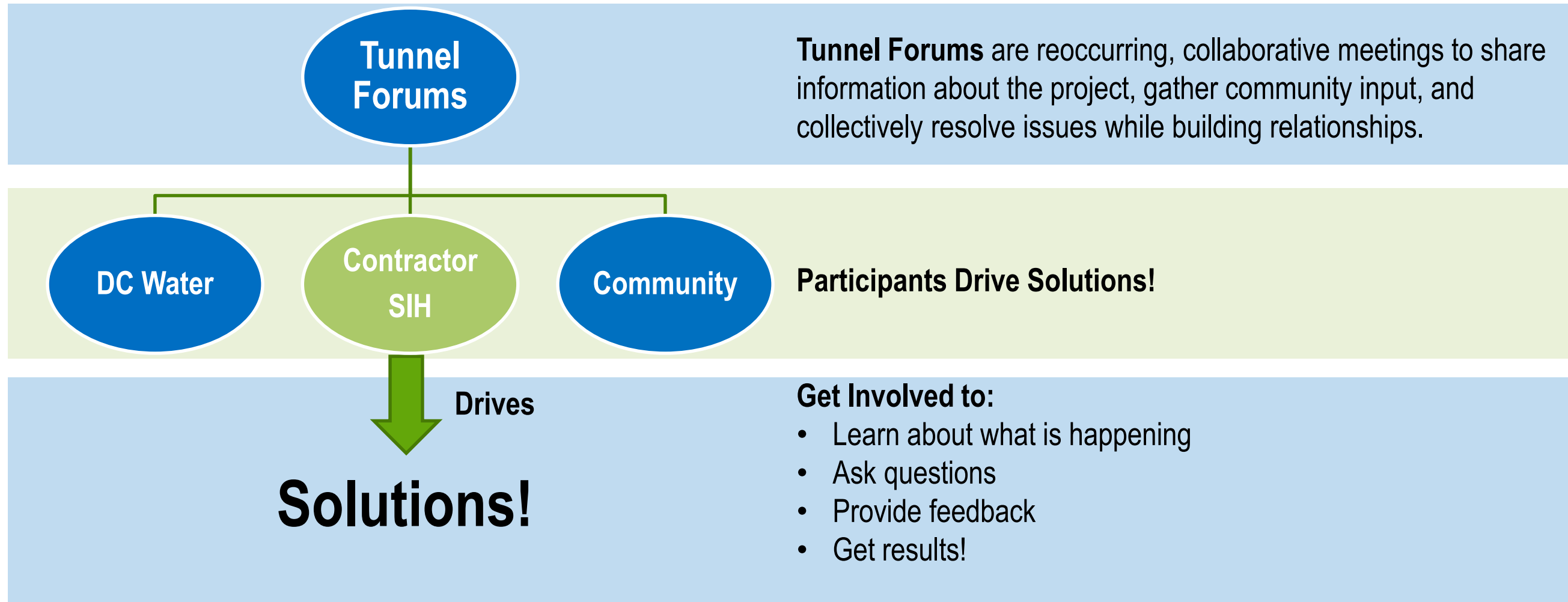
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Service	Description
Business Impact Mitigation Assistance	<ul style="list-style-type: none"><li>• Construction Impact Mitigation Plan</li><li>• Wayfinding Signage and Beautification Plan</li><li>• Needs Assistance and Health Check</li></ul>
Economic Vitality	<ul style="list-style-type: none"><li>• Web, Social Media, and Mobil Delivery</li><li>• Marketing and Branding</li><li>• Negotiation Assistance</li></ul>
Design	<ul style="list-style-type: none"><li>• Storefront Enhancement</li><li>• Storefront Signage</li></ul>

## NEBT Outreach and Tunnel Forum Recruitment –



# Tunnel Forum Recruitment



**Sign up today to participate!**

**Contact Us:**

NEBT Outreach Team: [dccleanrivers@dcwater.com](mailto:dccleanrivers@dcwater.com)

Northeast Boundary Tunnel Project: [dcwater.com/NEBT](http://dcwater.com/NEBT)

24/7 NEBT Hotline: 1-800-988-6151



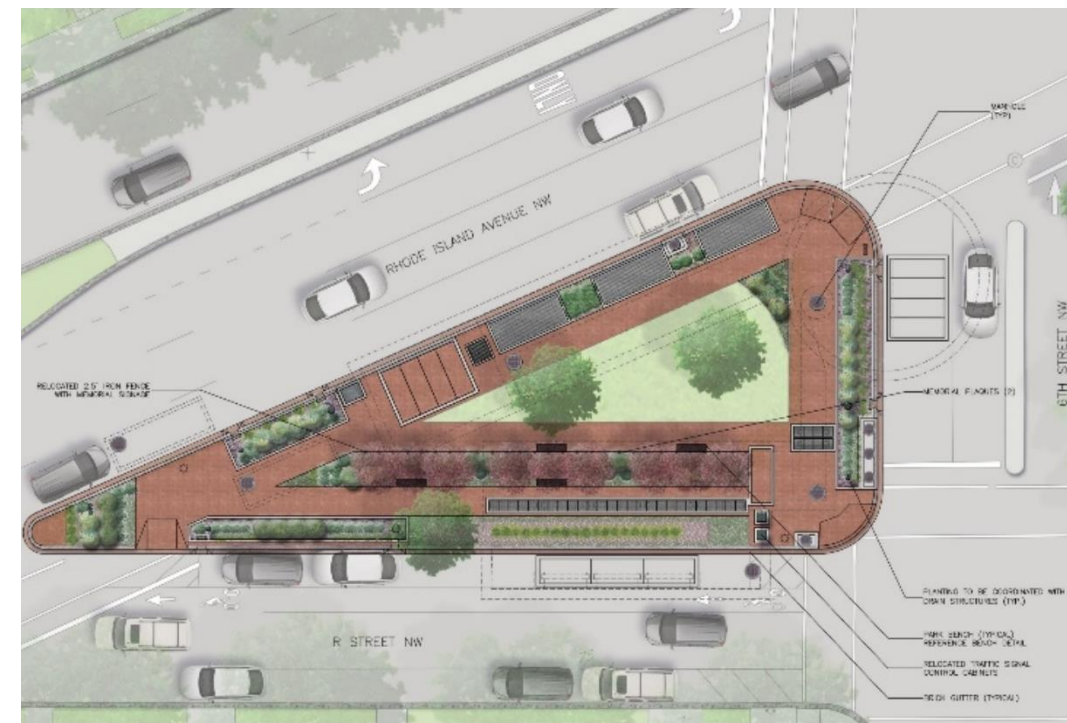
**Questions?**





# R Street NW Construction Site

## Restoration Plan



Restoration Plan and  
Renderings  
of Cooper/Gordon Park



# T Street NW Construction Site

## Tree Removal Plan

