

*Clean Rivers Project  
Northeast Boundary Tunnel*

*T Street NW Block Meeting*

***WELCOME NEIGHBORS!***

November 14, 2019

Mt. Bethel Baptist Church – 75 Rhode Island Avenue NW

# Agenda

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- **Welcome**
- **Anacostia River Tunnel System Success**
- **T Street NW Construction Site**
- **Major Construction Equipment**
- **Tree Removal and Planting Plan**
- **Bryant Street Alternative Parking Area (APA)**
- **Questions and Answers**

# Anacostia River Tunnel System Performance to Date

| Month              | Rainfall, (in) | Volume Captured by Tunnel (MG) | Measured Overflow (MG) | Total (captured + OF) | % captured |
|--------------------|----------------|--------------------------------|------------------------|-----------------------|------------|
| March 20 -31, 2018 | 1.48           | 20                             | 0                      | 20                    | 100%       |
| April 2018         | 3.59           | 249                            | 10                     | 259                   | 96.0%      |
| May 2018           | 8.73           | 860                            | 13                     | 873                   | 98.5%      |
| June 2018          | 5.21           | 265                            | 47                     | 311                   | 85.0%      |
| July 2018          | 9.73           | 679                            | 260                    | 939                   | 72.3%      |
| August 2018        | 5.19           | 334                            | 14                     | 349                   | 95.9%      |
| September 2018     | 9.73           | 784                            | 116                    | 900                   | 87.1%      |
| October 2018       | 3.06           | 164                            | 0                      | 164                   | 100%       |
| November 2018      | 7.57           | 777                            | 5                      | 782                   | 99.3%      |
| December 2018      | 5.82           | 468                            | 100                    | 568                   | 82.3%      |
| January 2019       | 3.30           | 259                            | 0                      | 259                   | 100%       |
| February 2019      | 3.52           | 74                             | 0                      | 74                    | 100%       |
| March 2019         | 4.00           | 337                            | 46                     | 384                   | 87.9%      |
| April 2019         | 2.24           | 77                             | 0.1                    | 77                    | 99.9%      |
| May 2019           | 5.36           | 311                            | 1                      | 312                   | 99.7%      |
| June 2019          | 4.27           | 134                            | 0.1                    | 134                   | 100.0%     |
| July 2019          | 6.49           | 339                            | 77                     | 416                   | 81.4%      |
| August 2019        | 2.10           | 183                            | 18                     | 201                   | 91.1%      |
| <b>Total</b>       | <b>91.39</b>   | <b>6312</b>                    | <b>709</b>             | <b>7022</b>           | <b>90%</b> |

- Over 6.3 billion gallons captured to date
- Over 2,500 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



April 2018



November 2018

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

# How much is 6.3 billion gallons and 2,525 tons?

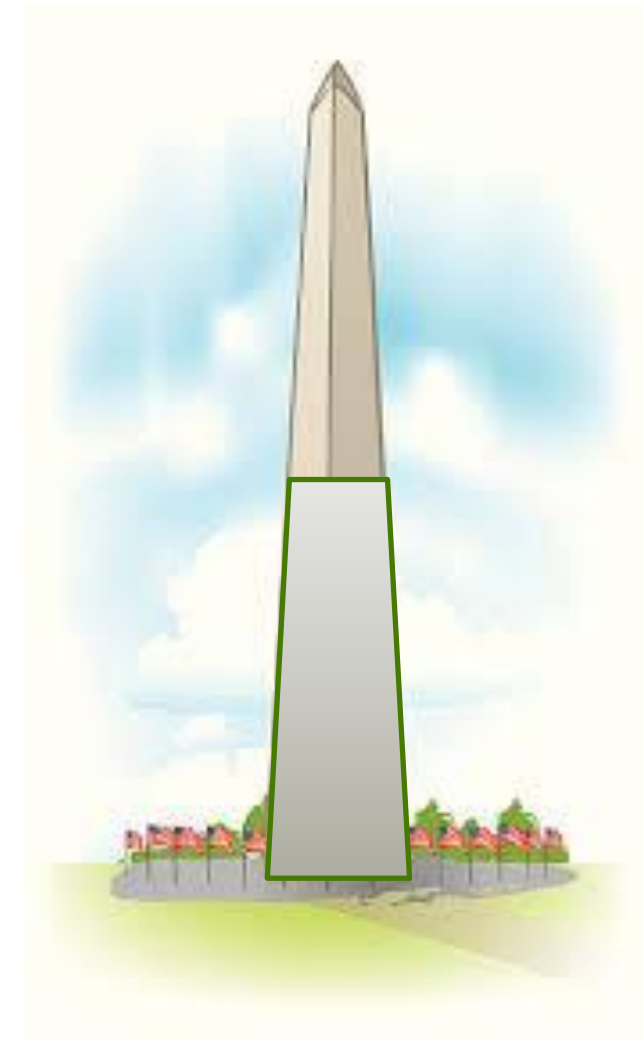
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6.3 billion gallons combined sewer overflows

National Mall from Capitol to Lincoln Memorial 280 feet deep

2,525 tons trash

2,104 Mazda Miatas





# T Street NW Construction Site

Shane Yanagisawa, Project Director



# T Street NW Construction Site

## Construction Site Work Sequencing Overview

Dates are approximate and subject to change as construction progresses

(NOVEMBER 12-15, 2019)

- Potholing for Inlet Structure

(JANUARY 2020 – MARCH 2020)

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

(APRIL 2020 – SEPTEMBER 2020)

- Secant Pile Installation
- Ground Improvement: Perform Jet Grouting for the Adit, Shaft, Near Surface Structures

(OCTOBER 2020 – DECEMBER 2020)

- Drop Shaft Excavation and Final Lining
- Prepare for TBM Arrival

(JANUARY 2021 – AUGUST 2021)

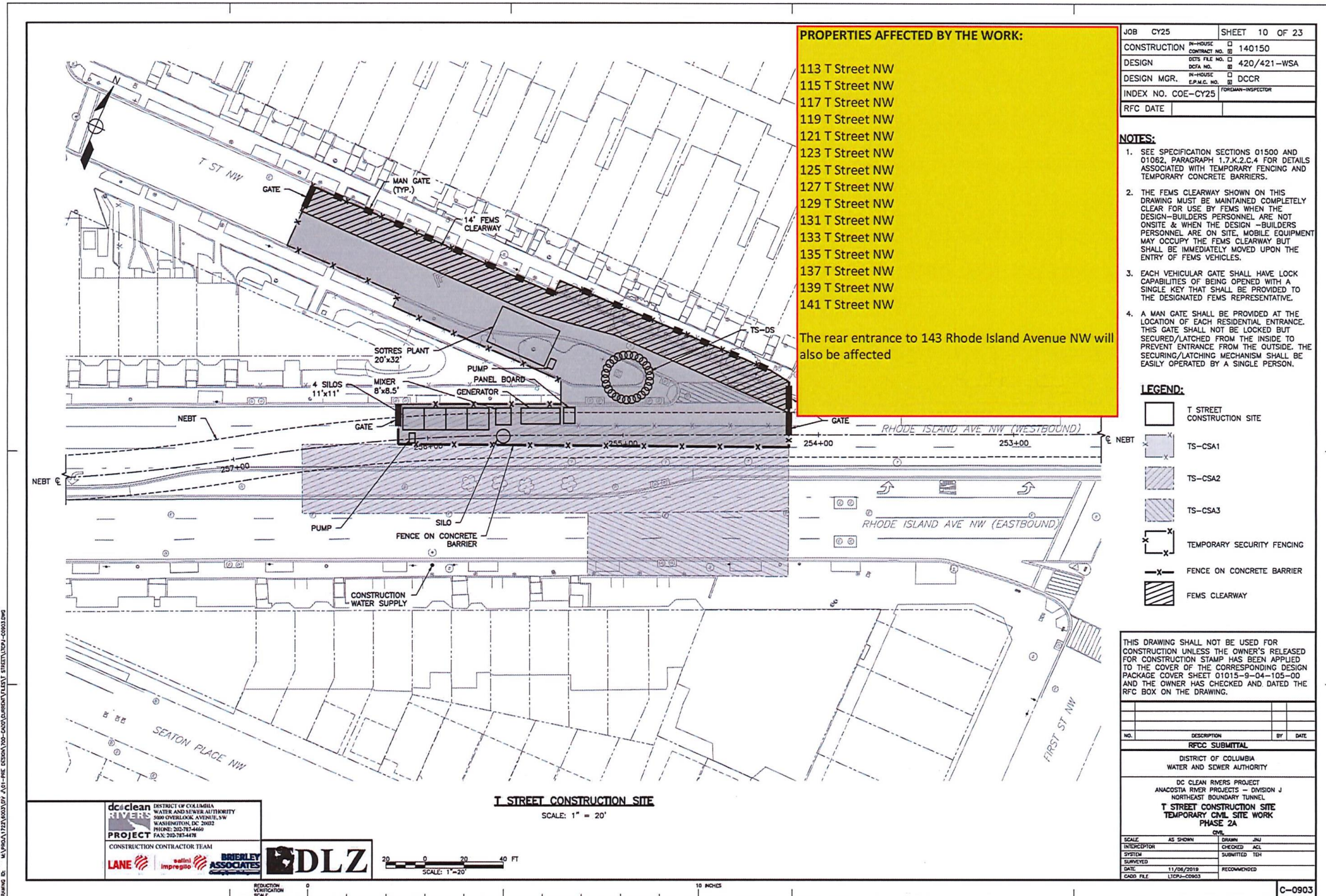
- Construction of Near Surface Structure (NSS)
- Perform Final Adit Connection or “Tie-in”

(APRIL 2021 – NOVEMBER 2021)

- Installation of Soldier Piles for Diversion Sewers
- Backfill and Full Site Restoration



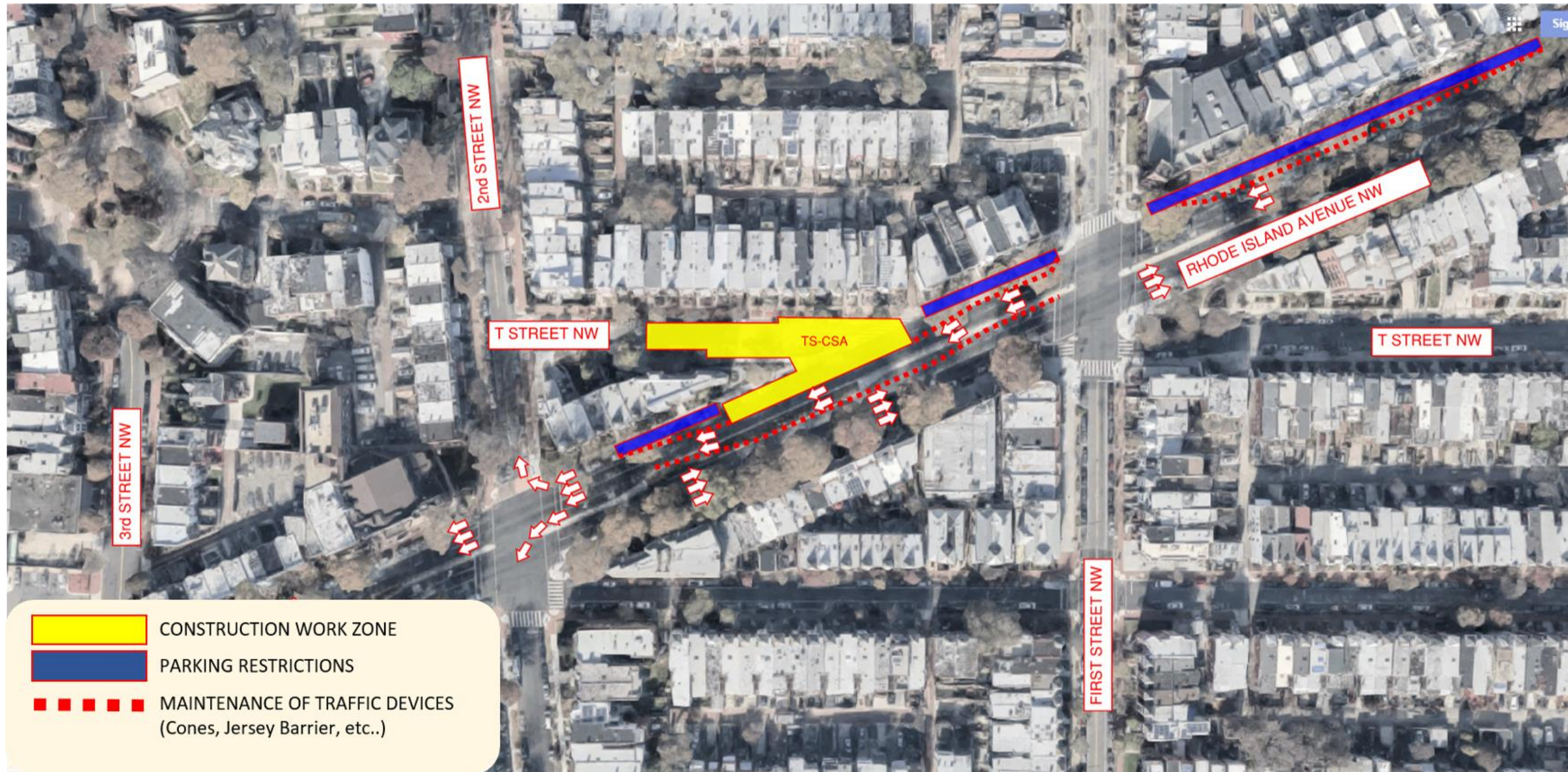
# T Street NW Construction Site





# T Street NW Construction Site

## Phases 2 – 5, Traffic Impacts



| T STREET NW CONSTRUCTION SITE – Travel Lanes |   |
|--|---|
| MOT PHASE:                                   | Phase 2-5 – Jet Grouting, Duration approximately 23 Months  |
| MAIN IMPACT:                                 | Two-lanes of traffic westbound and three-lanes eastbound on Rhode Island Ave. NW. Parking restrictions on westbound side of Rhode Island Ave. NW. |





# T Street NW Construction Site

## Phases 2 – 5, Pedestrian Detour



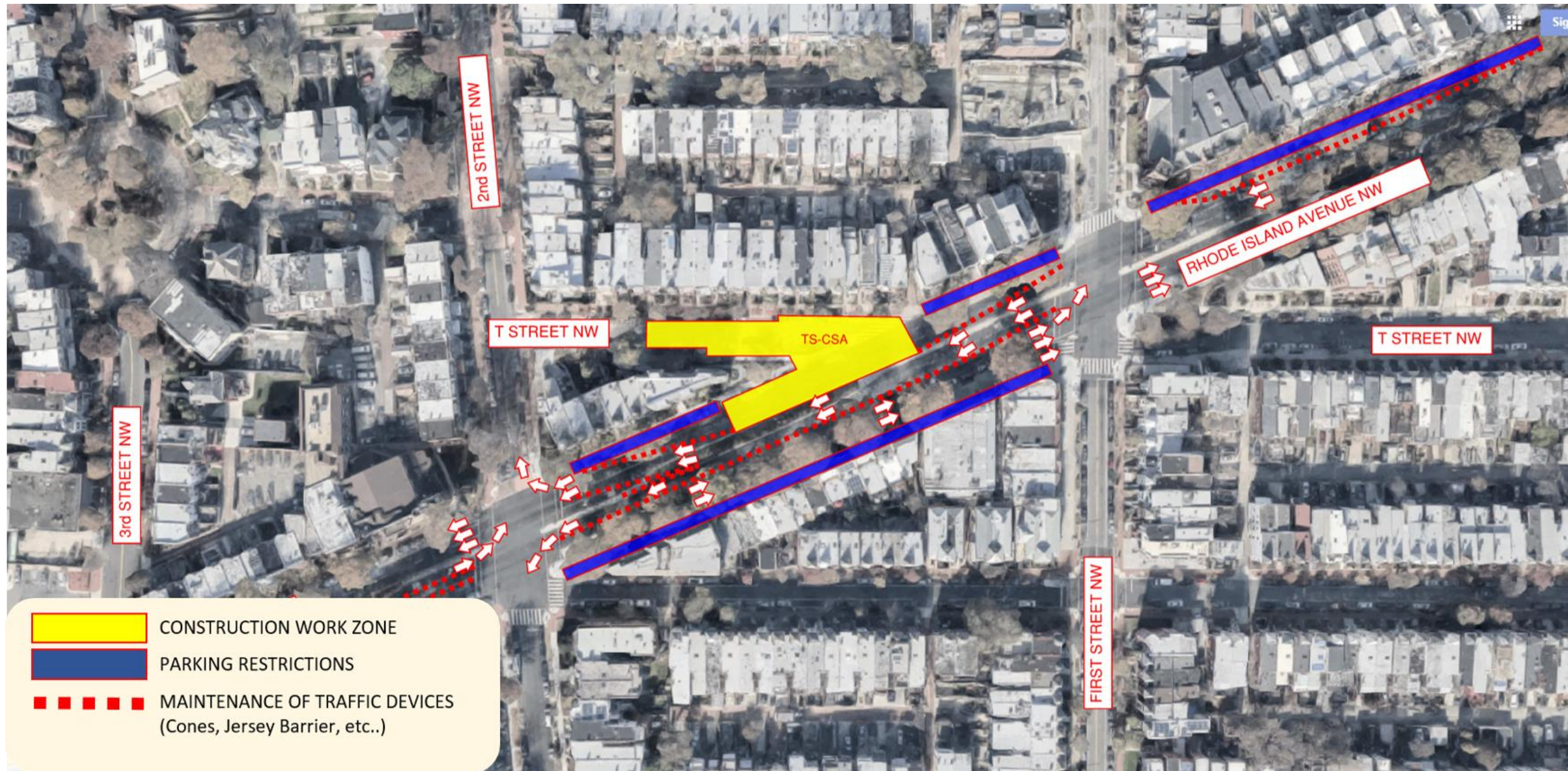
| T STREET NW CONSTRUCTION SITE – Pedestrian Detour |   |
|---|---|
| MOT PHASE:  | Phase 2-5 – Jet Grouting, Duration approximately 23 Months  |
| MAIN IMPACT:                                      | Crosswalk closed on westbound side of Rhode Island Ave. NW. |





# T Street NW Construction Site

## Phase 6 – 7, Traffic Impacts



| T STREET NW CONSTRUCTION SITE – Travel Lanes |   |
|--|---|
| MOT PHASE:                                   | Phase 6-7 – Jet Grouting, Duration approximately 3 Months   |
| MAIN IMPACT:                                 | Two-lanes of traffic and parking restrictions on each side of Rhode Island Ave. NW. Dedicated left-turn lanes provided onto First and 2 <sup>nd</sup> Streets NW. |





# Major Construction Equipment



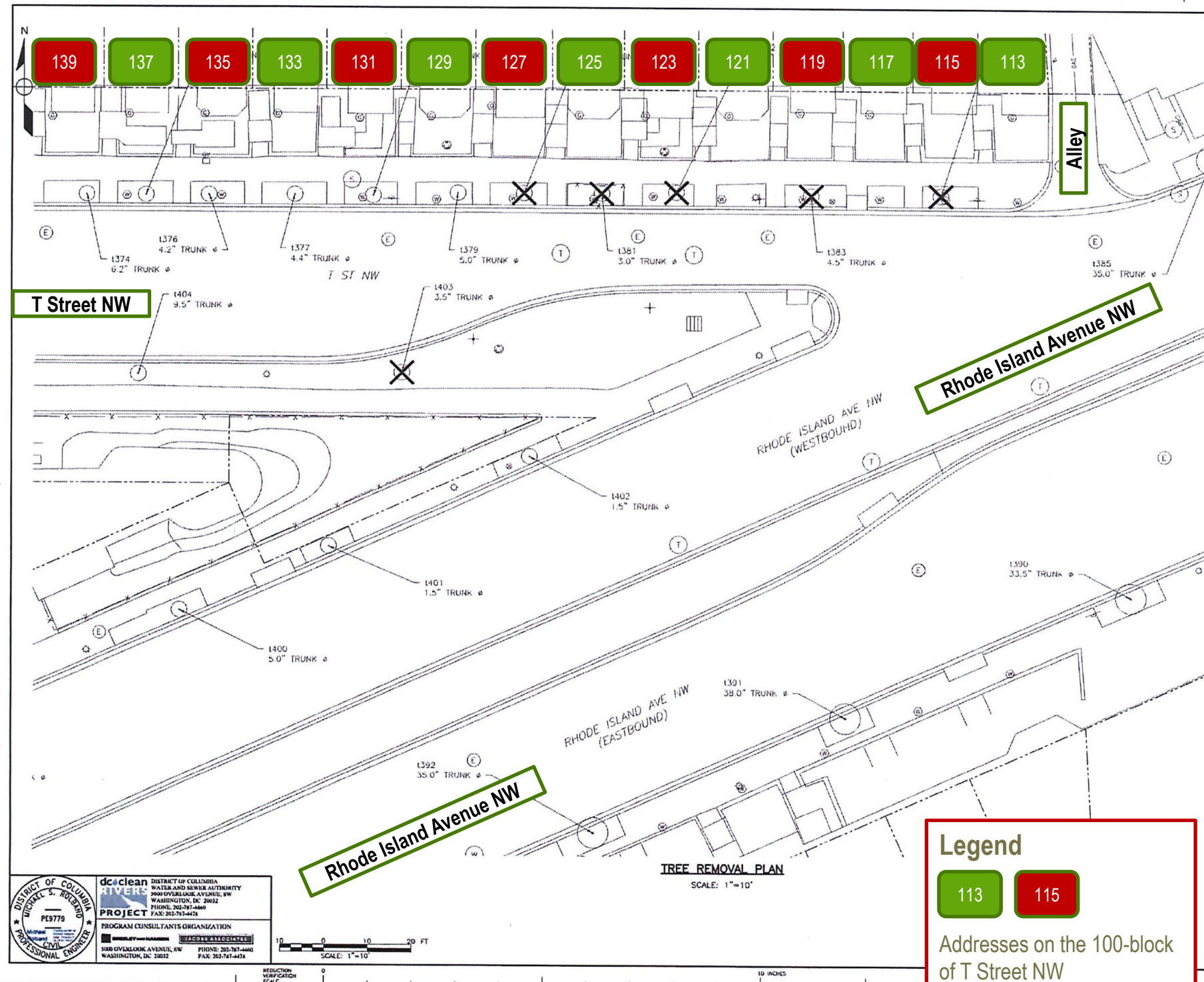
Jet Grout Rig



Caisson Drill Rig



# Tree Removal Plan



|                   |              |                   |             |
|-------------------|--------------|-------------------|-------------|
| JOB               | CY25         | SHEET             | XXX OF XXX  |
| CONSTRUCTION      | BY-HOUSE     | CONTRACT NO.      | 140150      |
| DESIGN            | DCFA NO.     | DCFA FILE NO.     | 420/421-WSA |
| DESIGN MGR.       | E.P.M.C. NO. | DCCR              |             |
| INDEX NO.         | COE-CY25     | FORWARD-INSPECTOR |             |
| POST-BID REVISION |              |                   |             |
| NO.               | DESCRIPTION  | BY                | DATE        |
|                   |              |                   |             |

- NOTES:**
- ONLY TREES DESIGNATED AS "TO BE REMOVED" SHALL BE REMOVED.
  - TREE SURVEY PERFORMED MARCH 2014. DEVELOPMENT ACTIVITIES PRIOR TO DIVISION J MAY HAVE ALTERED EXISTING VEGETATION.

- LEGEND:**
- TREE TRUNK DIAMETER BETWEEN 1.5"-15"
  - TREE TRUNK DIAMETER >15"
  - TREE TO BE REMOVED
  - PROPERTY LINE

**Legend**

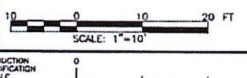
113 115

Addresses on the 100-block of T Street NW

**DISTRICT OF COLUMBIA**  
MUNICIPAL S. REGISTER  
PE9779  
PROFESSIONAL ENGINEER

**dc clean RIVERS PROJECT**  
DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
2900 OVERLOOK AVENUE, NW  
WASHINGTON, DC 20032  
PHONE: 202-787-4400  
FAX: 202-787-4474

**PROGRAM CONSULTANT'S ORGANIZATION**  
WILSON & HANCOCK  
1500 OVERLOOK AVENUE, NW  
WASHINGTON, DC 20032  
PHONE: 202-787-4400  
FAX: 202-787-4474



RELEASED FOR CONSTRUCTION

|   |             |             |       |
|---|-------------|-------------|-------|
| NO.   | DESCRIPTION | BY          | DATE  |
| PRE-BID REVISION  |             |             |       |
| DISTRICT OF COLUMBIA<br>WATER AND SEWER AUTHORITY   |             |             |       |
| DC CLEAN RIVERS PROJECT<br>ANACOSTIA RIVER PROJECTS - DIVISION J<br>NORTHEAST BOUNDARY TUNNEL |             |             |       |
| T STREET CONSTRUCTION SITE<br>TREE REMOVAL PLAN   |             |             |       |
| SCALE   | AS SHOWN    | DRAWN       | SO-DC |
| INTERCEPTOR   | CHECKED     | MSR         |       |
| SYSTEM  | SUBMITTED   |             |       |
| DATE  | 06/01/2014  | RECOMMENDED |       |
| CADD FILE   | L1021-1011  |             |       |

L-11





# Planting Plan



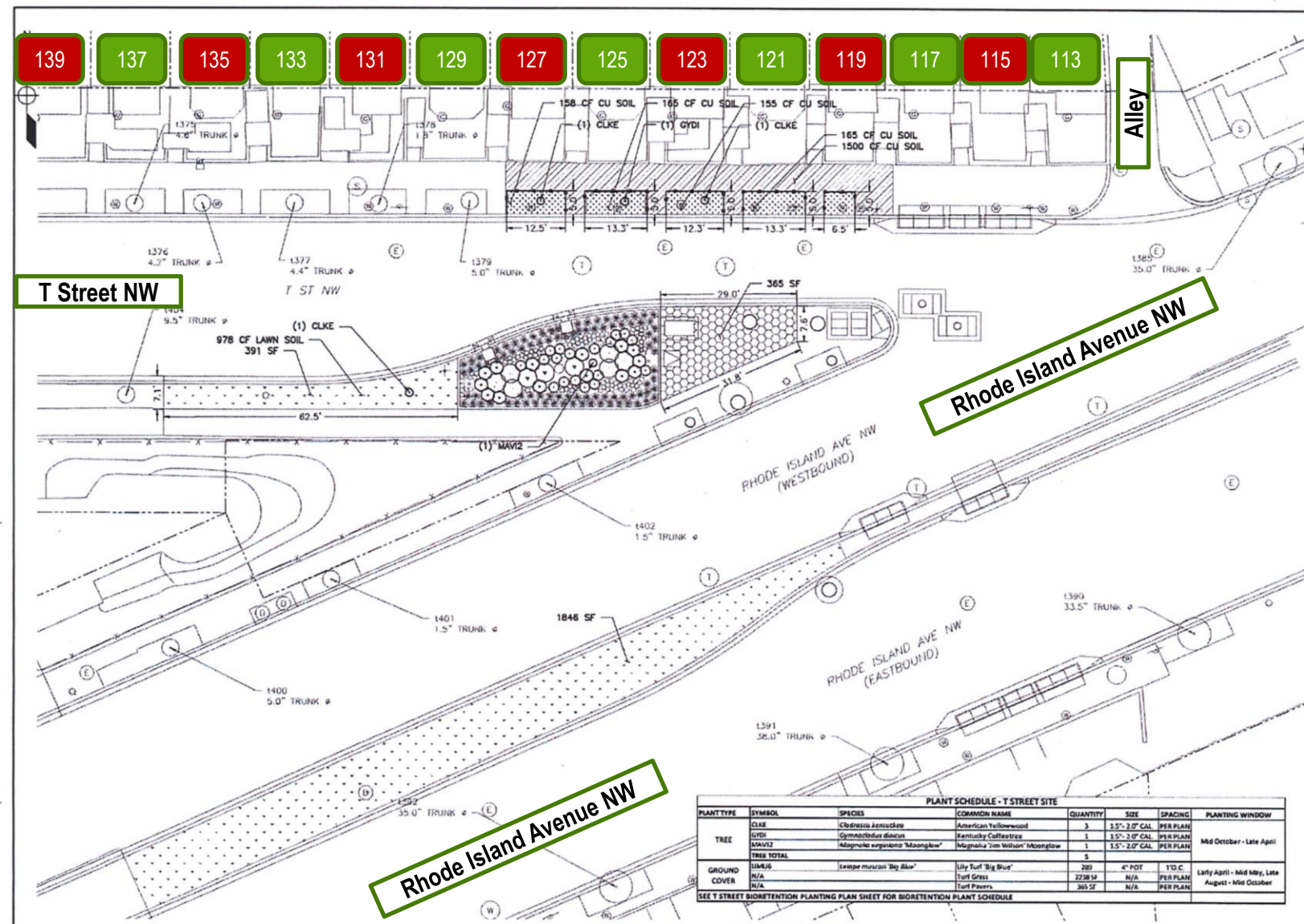
## Kentucky Coffee Tree

- 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



|              |                 |       |            |
|--------------|-----------------|-------|------------|
| JOB          | CY25            | SHEET | XXX OF XXX |
| CONSTRUCTION | NO. 140150      |       |            |
| DESIGN       | NO. 420/421-WSA |       |            |
| DESIGN MCR.  | DCCR            |       |            |
| INDEX NO.    | COE-CY25        |       |            |

**NOTES:**

1. APPLY HARDWOOD MULCH SURROUNDING NEW TREES, SHRUBS, GRASSES AND OTHER NEWLY PLANTED MATERIALS. REFER TO LANDSCAPING DETAILS AND SPECIFICATION SECTION 02920 FOR PLANT, MULCH AND SEEDING/TURF INSTALLATION PROTOCOL.
2. SEE LANDSCAPING DETAILS FOR STRUCTURAL SOIL DETAILS.

**LEGEND:**

**PROPOSED:**

- CANOPY TREE
- ORNAMENTAL IRON FENCE
- TURF GRASS
- TURF PAVERS
- LIRIOPE MUSCARI "BIG BLUE"

**EXISTING:**

- TREE TRUNK DIAMETER BETWEEN 1.5" - 15"
- TREE TRUNK DIAMETER ≥ 15"
- PROPERTY LINE

|   |                  |          |       |
|---|------------------|----------|-------|
| RELEASED FOR CONSTRUCTION   |                  |          |       |
| NO.   | DESCRIPTION      | BY       | DATE  |
|   | PRE-BID REVISION |          |       |
| DISTRICT OF COLUMBIA<br>WATER AND SEWER AUTHORITY   |                  |          |       |
| DC CLEAN RIVERS PROJECT<br>ANACOSTIA RIVER PROJECTS - DIVISION J<br>NORTHEAST BOUNDARY TUNNEL |                  |          |       |
| T STREET CONSTRUCTION SITE<br>PLANTING PLAN<br>LANDSCAPING                                    |                  |          |       |
| SCALE   | AS SHOWN         | DRAWN    | BO-DC |
| REVISION  |                  | CREATED  | WJA   |
| SYSTEM  |                  | DATE     |       |
| DATE  | 06/01/2015       | REVISION |       |
| CAD FILE  | L10P-1013        |          |       |

| Plant Type   | Common Name                    | Quantity |
|--------------|--------------------------------|----------|
| Tree         | American Yellowwood            | 3        |
|              | Kentucky Coffeetree            | 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





# Bryant Street Alternative Parking Area

## 2<sup>nd</sup> & Bryant Streets, NW



- Area eligible for APA
- Bryant St. APA
- Construction Site

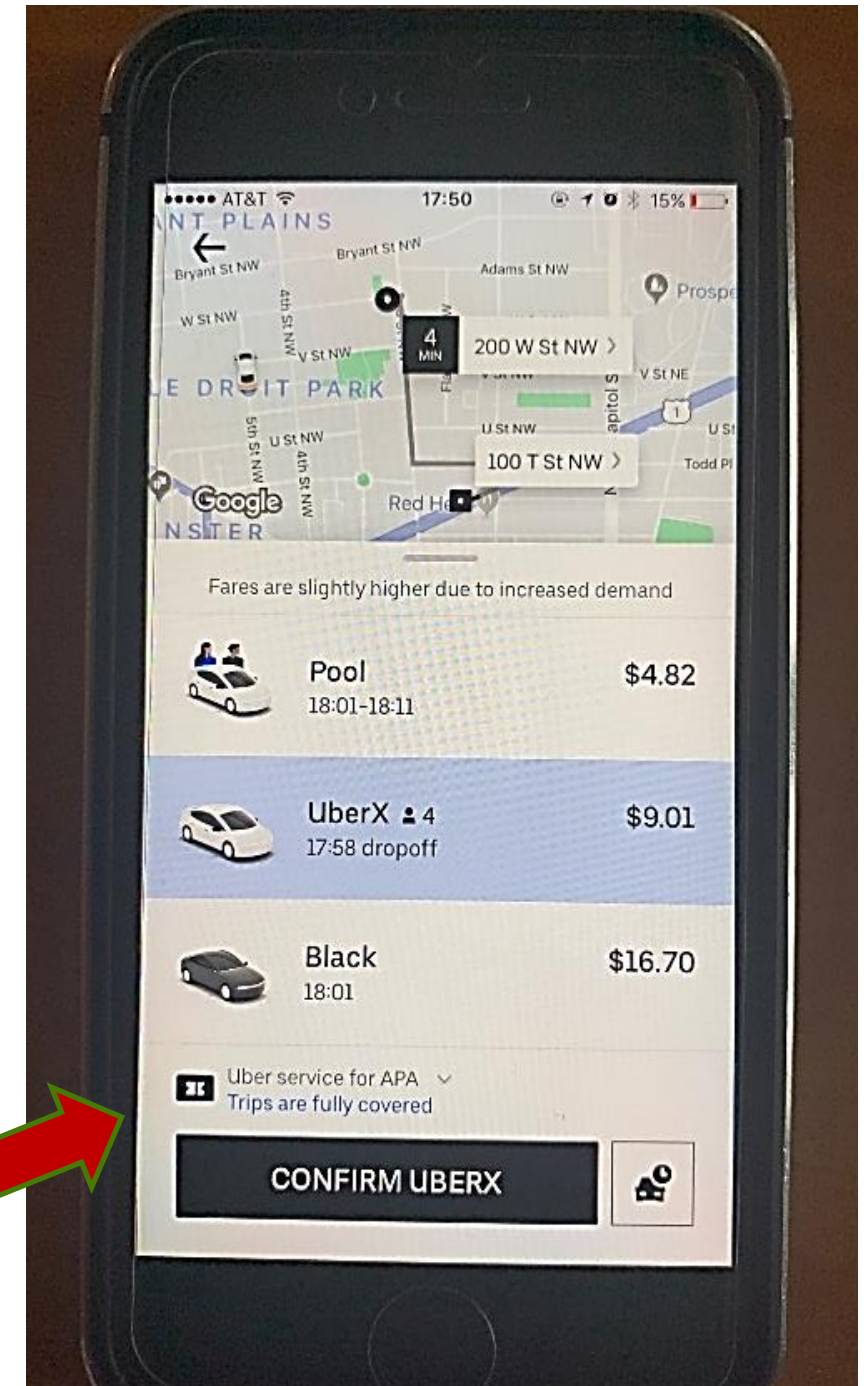


# Bryant Street Alternative Parking Area

## 2<sup>nd</sup> & Bryant Streets, NW

### How to Use the Uber Service for the Bryant Street APA

- Register for Bryant Street APA.
  - (email: [dccleanrivers@dcwater.com](mailto: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:





# Questions?

## For More Info

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

