

Briefing on:

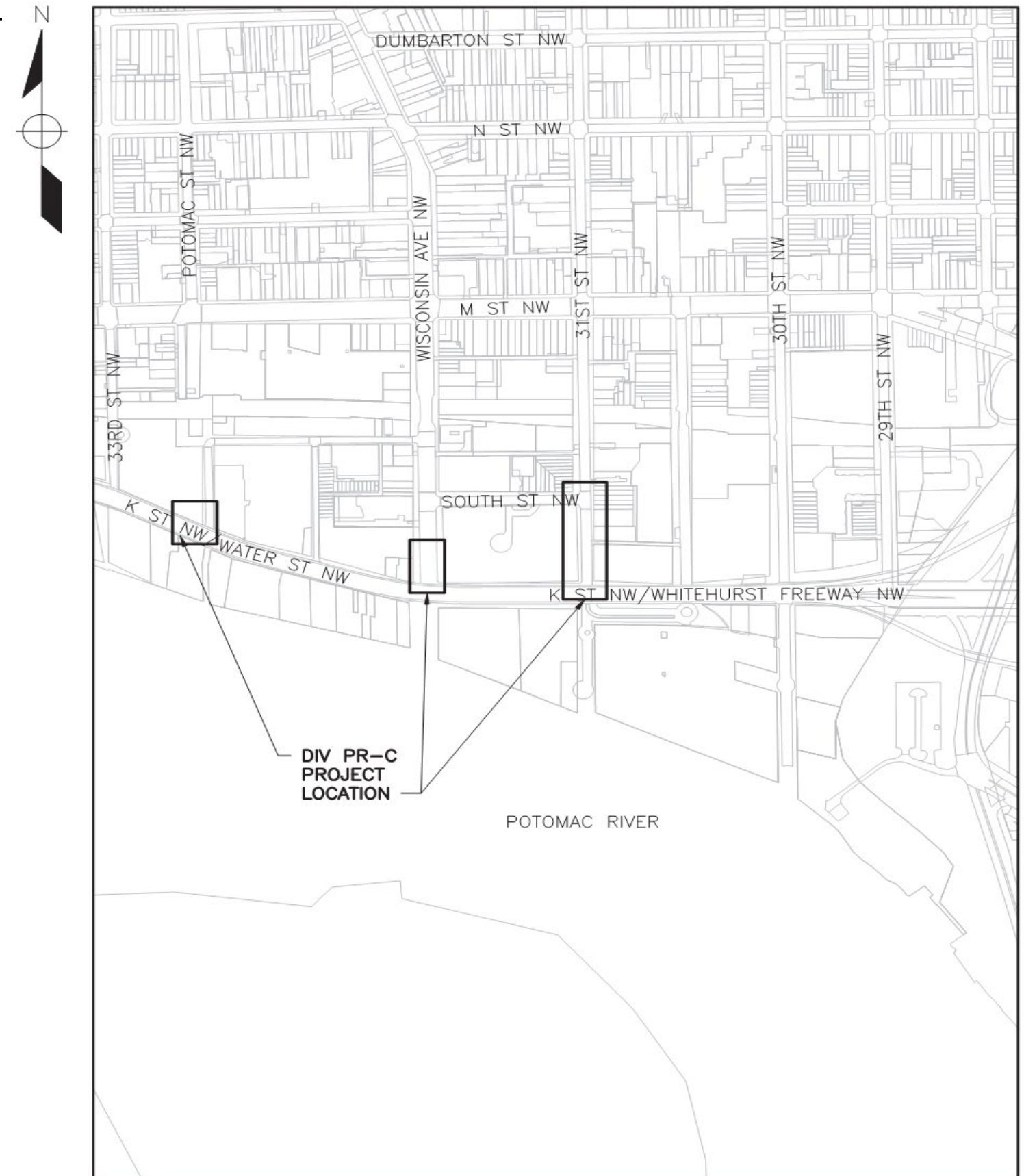
***DC CLEAN RIVERS UPCOMING
CONSTRUCTION ACTIVITIES
IN GEORGETOWN***

April 20, 2021



Agenda

- Virtual Meeting Participation Tips
- Consent Decree
- DC Clean Rivers Background and Status
- DCCR Potomac River Projects
- CSO 025/026 Sewer Separation
 - Project Scope
 - Project Schedules
 - General Construction Processes
 - Traffic Controls
 - Haul Routes
- Project Site Locations and Traffic Patterns
 - 31st Street NW
 - Water Street
 - Wisconsin Avenue NW
- Future DCCR Projects
- Next Steps



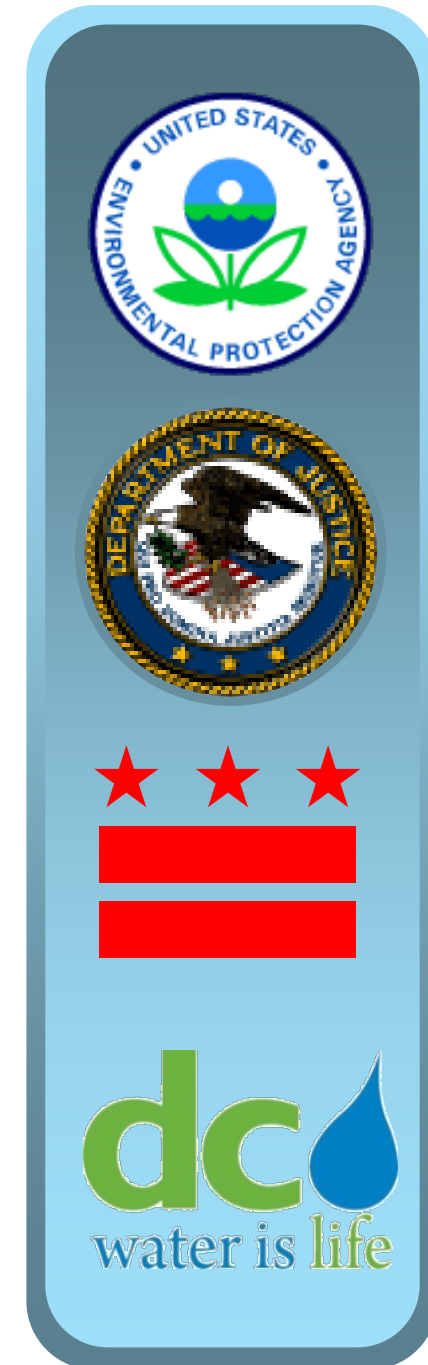
Virtual Meeting Participation Tips

- Online meetings are subject to your bandwidth limitations. If your connection to the meeting should freeze, please exit and reenter the meeting to refresh your connection.
- All attendees are muted to minimize disruptions.
- The Question and Answer (Q&A) period will be held at the end of the presentation. Please hold your questions until the Q&A portion of the meeting.
- During the Q&A portion of the meeting, we will acknowledge questions from attendees who are online and on phone.
- ONLINE PARTICIPANTS: send your questions to the Panelists by using the Chat mode. You may also click on the hand logo to raise your hand to ask 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.

DC Clean Rivers Project Background

What is Our Purpose?

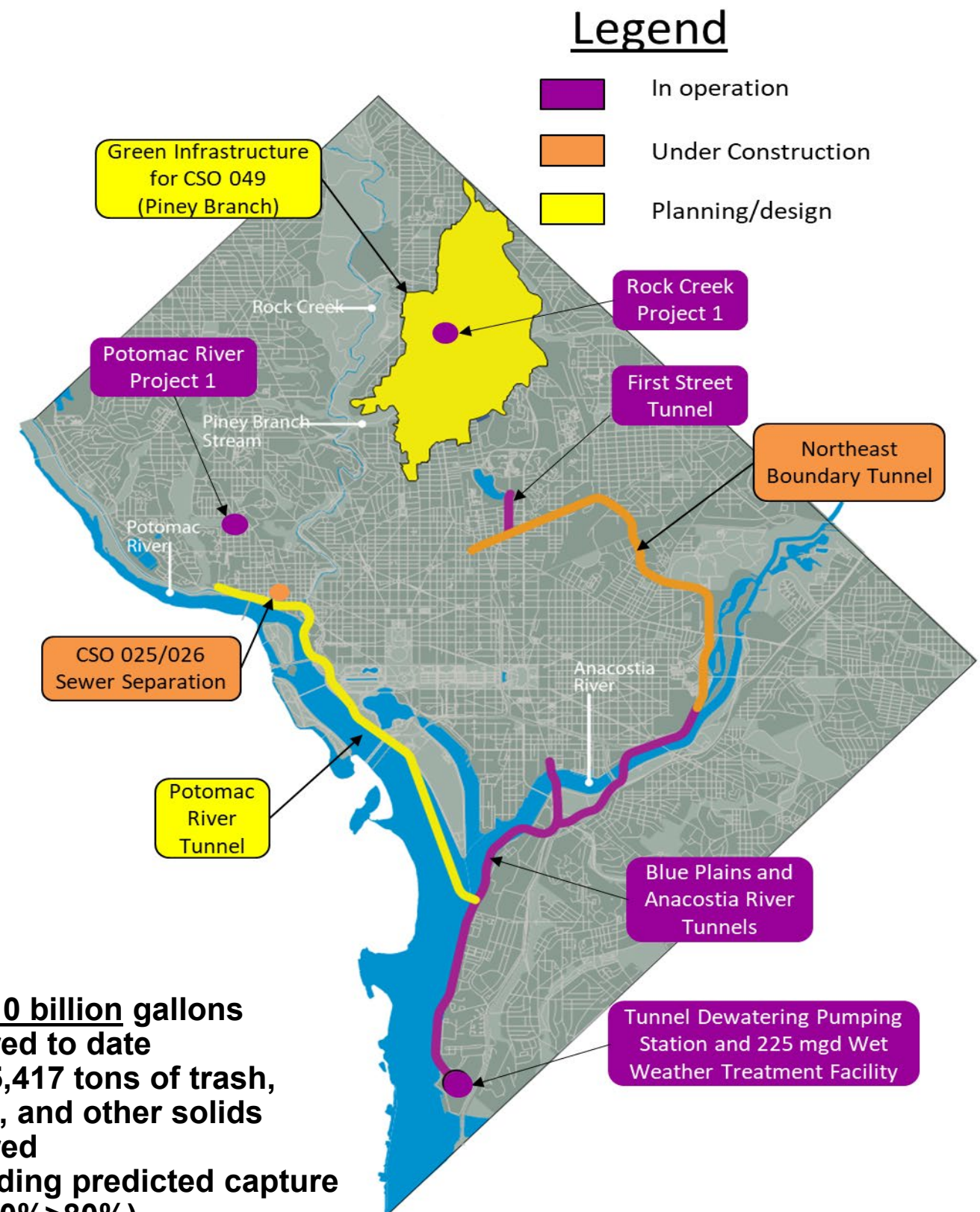
- Control combined sewer overflows to the:
 - Potomac River
 - Anacostia River
 - Rock Creek
- Relieve flooding in the Northeast Boundary Area
- Implemented under a Federal Consent Decree among:
 - US Environmental Protection Agency (US EPA)
 - US Department of Justice (US DOJ)
 - District of Columbia, and
 - DC Water
- Fully in operation by 2030
 - Major intermediate milestones in 2018 and 2025



DC Clean Rivers Project Background

Current Program Status

Month	Rainfall, DCA Gauge (in)	Volume Captured by Tunnel (MG)	Measured Overflow (MG)	% captured
March 20 -31, 2018	1.48	20	0	100%
April 2018	3.59	249	10	96.0%
May 2018	8.73	860	13	98.5%
June 2018	5.21	265	47	85.0%
July 2018	9.73	679	260	72.3%
August 2018	5.19	334	14	95.9%
September 2018	9.73	784	116	87.1%
October 2018	3.06	164	0	100%
November 2018	7.57	777	5	99.3%
December 2018	5.82	468	100	82.3%
January 2019	3.30	259	0	100%
February 2019	3.52	74	0	100%
March 2019	4.00	337	46	87.9%
April 2019	2.24	77	0.1	99.9%
May 2019	4.97	311	1	99.7%
June 2019	4.27	134	0.1	100%
July 2019	6.49	339	77	81.4%
August 2019	1.99	186	22	89.3%
September 2019	0.25	19	0	100%
October 2019	6.66	450	18	96.2%
November 2019	1.37	55	0	100%
December 2019	2.80	80	0	100%
January 2020	2.79	150	0	100%
February 2020	3.21	143	0.6	99.6%
March 2020	2.31	38	0	100.0%
April 2020	6.30	338	127	72.7%
May 2020	2.49	169	0	100.0%
June 2020	3.51	205	0	99.9%
July 2020	6.51	265	2	99.2%
August 2020	8.73	463	52	89.8%
September 2020	5.53	267	186	59.0%
October 2020	4.86	264	6	97.6%
November 2020	6.14	456	25	94.7%
December 2020	4.96	430	0	100%
January 2021	1.93	56	0	100%
February 2021	4.66	147	0	100%
March 2021 (DRAFT)	2.18	142	3	100%
Total	168.08	10,450	1,133	90.2%



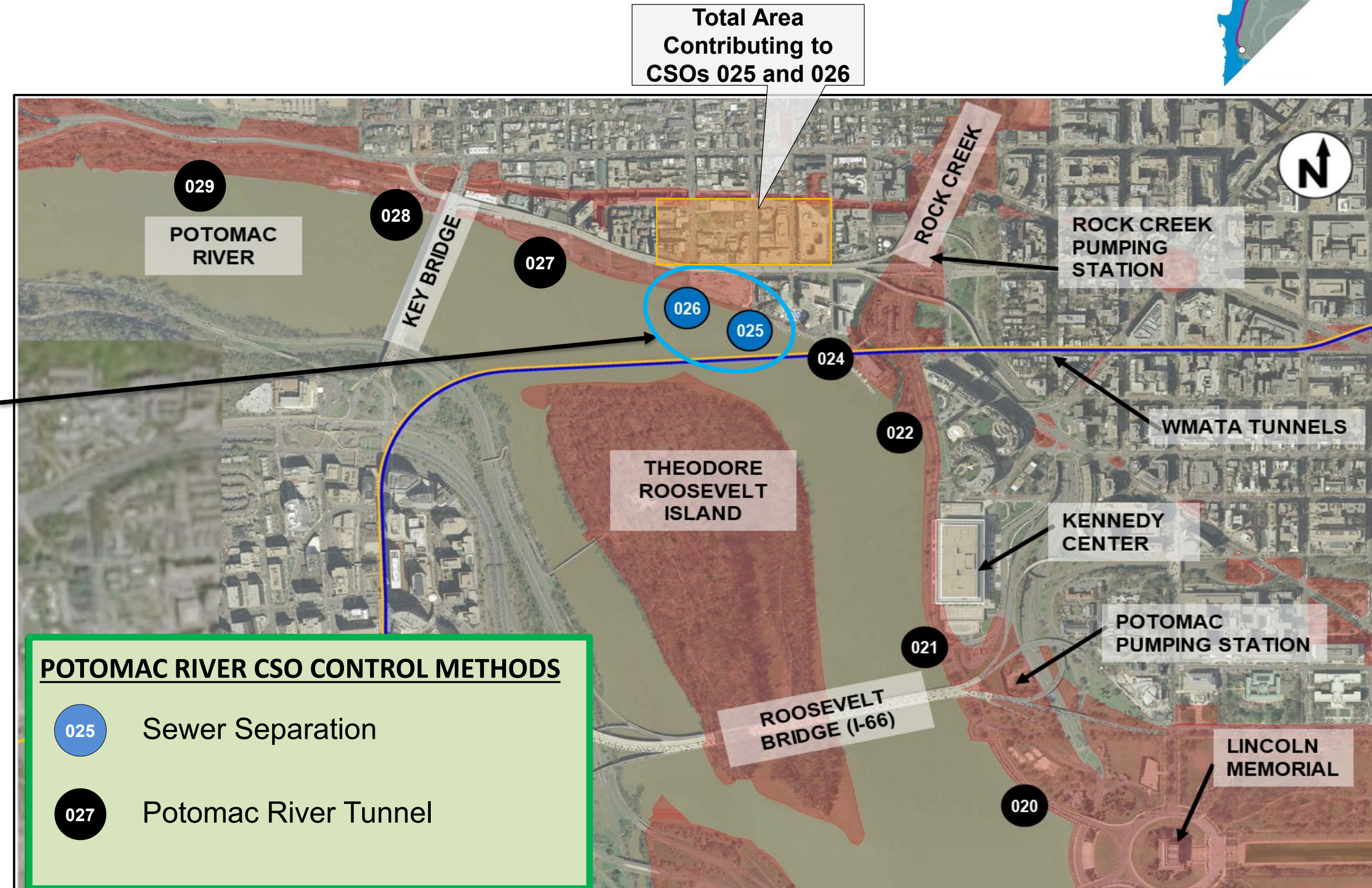
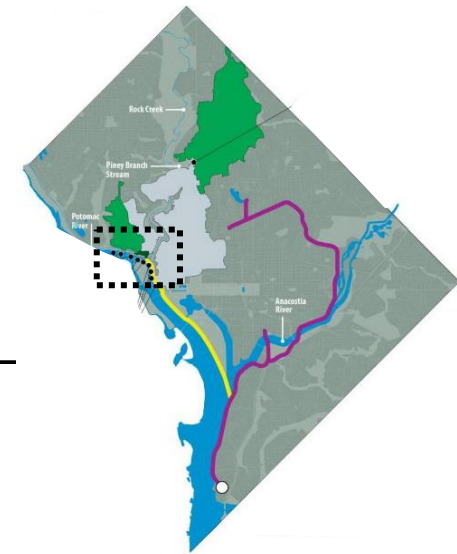
- Over 10 billion gallons captured to date
- Over 5,417 tons of trash, debris, and other solids captured
- Exceeding predicted capture rate (90%>80%)
- First year in operation was the wettest year on record for the District of Columbia

DCCR Potomac River Projects

- CSO 025 & 026 Sewer Separation (to be discussed in detail during today's meeting)
 - Contract awarded to Anchor Construction
 - Construction will start May 2021
 - Project duration is 18 months. Completion expected in September 2022
- Other DCCR Potomac River Projects
 - Potomac River Tunnel Advanced Utility Construction
 - Award contract for construction in July 2021
 - Work in Georgetown associated with this project will be performed from late 2021 through 2022
 - Potomac River Tunnel Project
 - Award contract for construction in Summer 2023
 - Place in operation early 2030

DCCR Potomac River Projects

Potomac River CSO Control



CSO 025 and CSO 026 to be separated

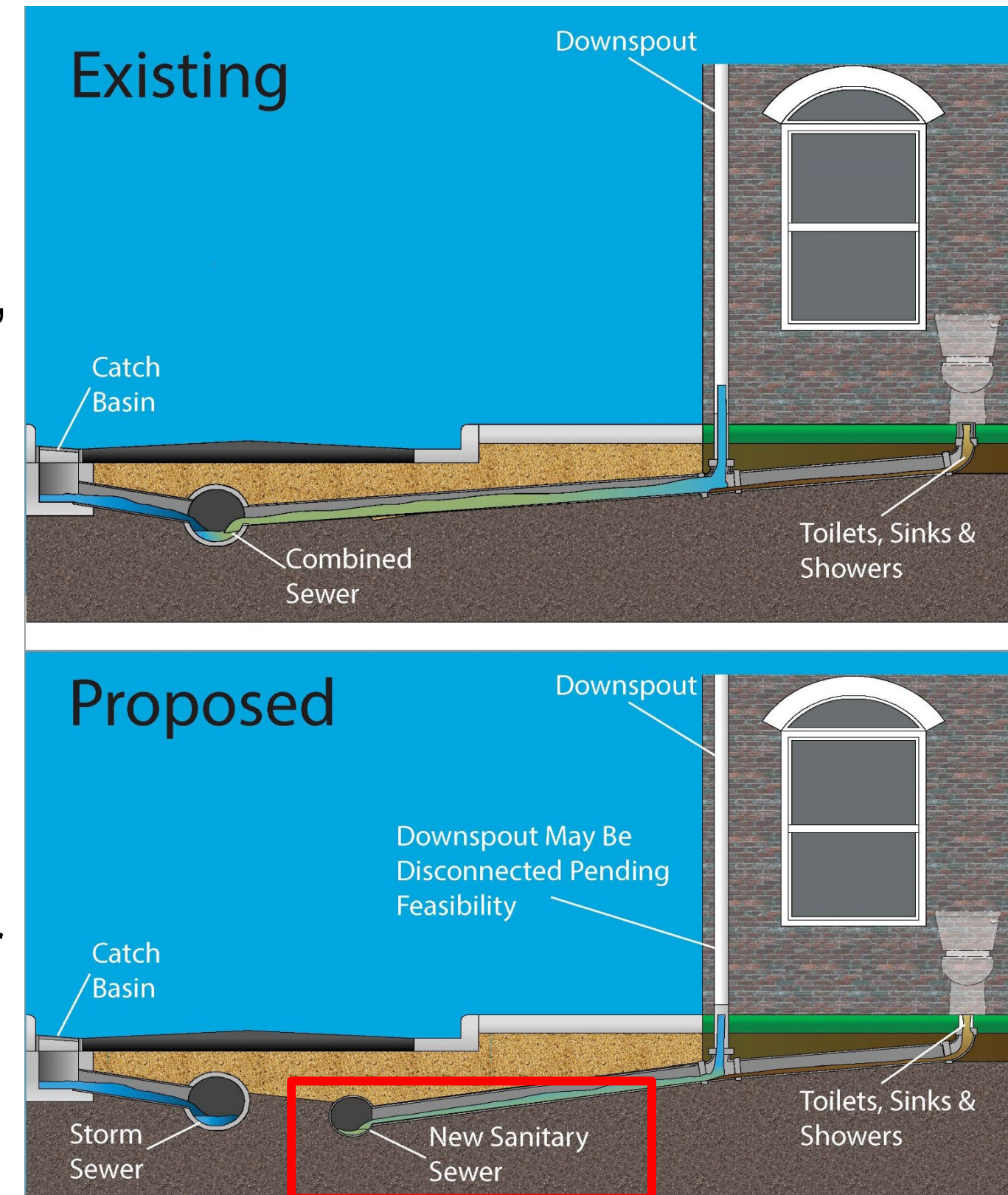
POTOMAC RIVER CSO CONTROL METHODS

- 025 Sewer Separation
- 027 Potomac River Tunnel



CSO 025 and 026 Sewer Separation Project Scope

- **Sewer separation of existing combined sewer overflow (CSO) 025 and 026 in Georgetown, Washington, DC**
 - Installation of new sanitary sewers, storm sewers, manholes, sewer laterals, cleanouts, and catch basins
 - Connection of existing sewer laterals to new sanitary sewers
 - Relocation of existing watermain lines
 - Connection of proposed sanitary sewers to 48-inch Upper Potomac Interceptor (UPI) sewer
 - Modification to existing combined sewer regulator Structure 44
 - Maintenance of traffic, erosion and sediment control, and site restoration



CSO 025 and 026 Sewer Separation Project Site Locations



CSO 025 and 026 Sewer Separation Anticipated Project Schedule

Activity	2021												2022											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Nov	Dec		
Project Coordination with Community	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow		
Outreach Events			Green	Green				Green			Green				Green									
Construction Activities					Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue				

TODAY



DC Water is committed to maintain community engagement throughout construction of the project by performing community meetings and establishing a project hotline.

Outreach Event milestones on schedule represent possible meetings or presentations to Ward 2 Councilmember's Office, ANC 2E, Georgetown BID, and community to discuss the project, proposed design, and/or possible impacts

Schedule may be updated pending actual construction progress



CSO 025 and 026 Sewer Separation Construction Schedule

Work along K Street

ANCHOR DIV PR-C SCHEDULE SUMMARY

Row	Activity	2020		2021												2022												
		N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
1	SUBMITTALS & SUBMITTALS REVIEW																											
2	31ST STREET																											
3	PHASE 1 (UPI CONCRETE COLLAR AND WATERMAIN RELOCATION - K ST)																											
4	PHASE 2 (WATERMAIN RELOCATION - K ST)																											
5	PHASE 3 (WATERMAIN RELOCATION - K ST)																											
6	PHASE 4 (SEWER, LATERAL CONNECTION, AND MANHOLES ALONG ROAD AND SIDEWALK - 31ST ST)																											
7	PHASE 8 [APPROACH DURING THIS PHASE ELIMINATES PHASE 6] (SEWERS, MANHOLES, CROSSING IN ROCK - 31ST ST / SOUTH ST)																											
8	PHASE 7 (CROSSING IN SOFT SOIL - 31ST ST)																											
9	PHASE 6 (SEWER, MANHOLES, INLET, AND LATERAL CONNECTIONS - 31ST ST)																											
10	WATER STREET - STRUCTURE 44																											
11	PHASE 1 (REMOVE CURB STOPS SEPARATING BIKE LINE AND NEW MARKINGS)																											
12	PHASE 2 (CONSTRUCTION OF STR 44 MODIFICATION)																											
13	PHASE 3 (REPLACE CURB STOPS SEPARATING BIKE LINE AND NEW MARKINGS)																											
14	WISCONSIN AVE																											
15	PHASE 1 (REMOVE CURB STOPS SEPARATING BIKE LINE AND NEW MARKINGS - K ST)																											
16	PHASE 2 (UPI CONCRETE COLLAR AND WATERMAIN RELOCATION - K ST)																											
17	PHASE 3 (WATERMAIN RELOCATION - K ST)																											
18	PHASE 4 (UPI CONCRETE COLLAR, WATERMAIN RELOCATION, SEWER, MANHOLES, LATERAL CONNECTIONS - K ST & WISCONSIN AVE)																											
19	PHASE 5 (REPLACE CURB STOPS SEPARATING BIKE LINE AND NEW MARKINGS)																											
20	PHASE 6 (SEWER AND MANHOLES ALONG ROAD - WISCONSIN AVE)																											

Work along K Street

Work along K Street



CSO 025 and 026 Sewer Separation General Construction Processes

- Pre-construction surveys will be conducted
 - Buildings/properties within 50 feet of construction areas
 - Right of Entry forms must be completed by Residents prior to survey
 - Survey will include photos, videos and notes
 - Whitehurst Freeway
- 24/7 Project Hotline
- Work Hours
 - Anticipated Weekdays: 7:00am – 7:00pm / 9:30am – 3:30pm
 - Extended work hours and weekend work may be considered
- Water and sewer services
 - Continued service
 - Limited disruptions to make connections
- Staging area and storage
 - Gravel lot north of K St NW between 29th St NW and 30th St NW
- Site conditions
 - Site plated or fenced at the end of each work day
 - Site restored in kind per DDOT requirements at construction completion

CSO 025 and 026 Sewer Separation General Construction Processes (Cont.)

- Anchor / DC Water will analyze potential impacts due to construction and coordinate appropriate mitigation requirements with:
 - DDOT – Traffic, Pedestrian and Bicycle Impacts
 - WMATA – Transit Impacts
 - DOEE – Environmental Impacts
 - FEMS – Fire and Emergency Services
 - DGS – Garbage Collection
- Anchor / DC Water will notify the community and post signage regarding traffic, pedestrian, bike and scooter, parking, and public transport impacts.
- Vibration, noise monitoring and mitigation, and dust control will be in place throughout project.
- Site Security / Safety
 - Heavy equipment – Back up camera or Proximity alert system installed
 - Controlled access will be maintained
 - Signage
 - Barriers or fencing
- Tree Protection and Removal
 - Tree protection will be provided as necessary and as required by Urban Forestry Administration permit
 - Three (3) trees will be impacted and replaced along 31st St NW.

CSO 025 and 026 Sewer Separation Temporary Traffic Controls

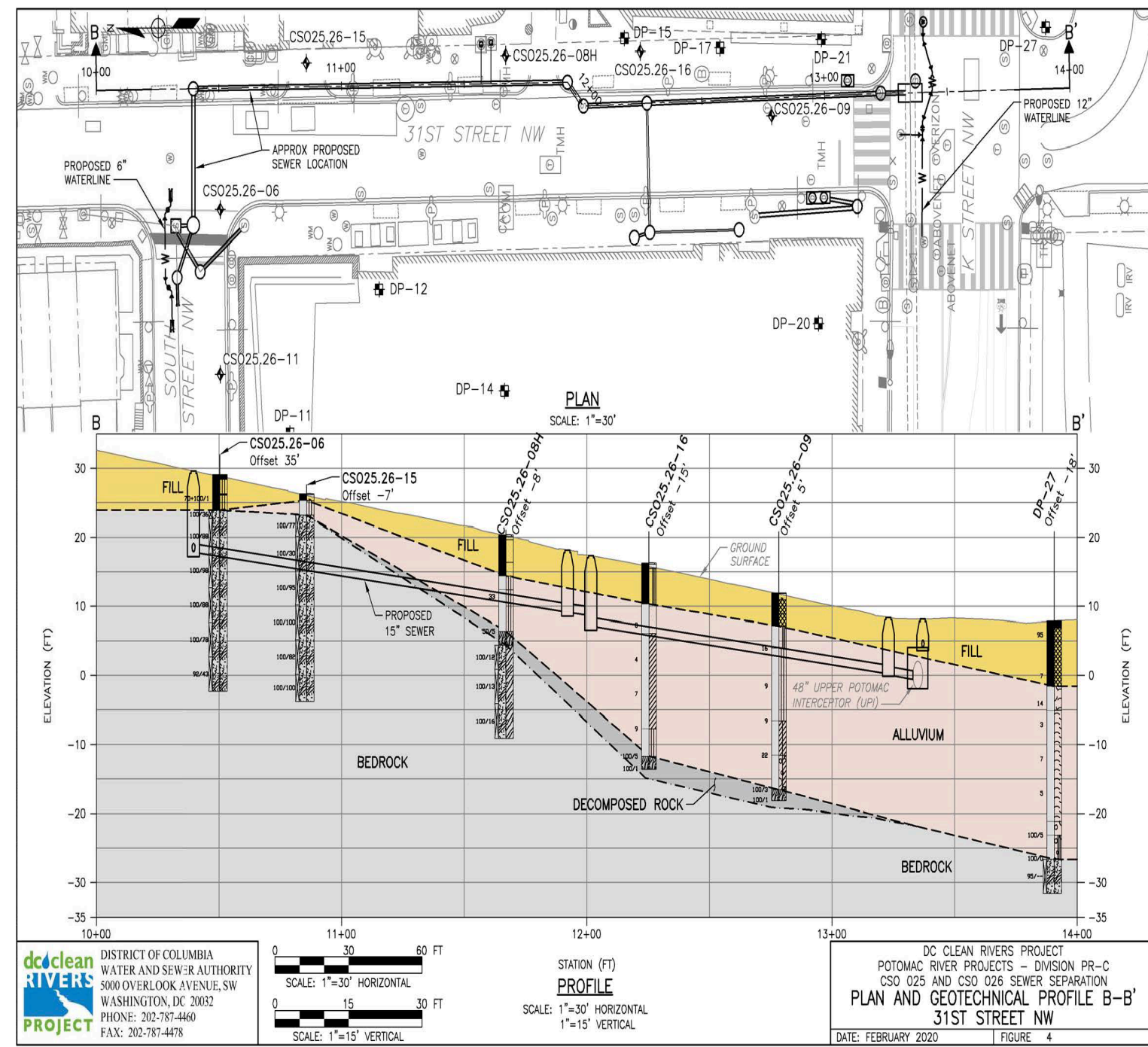
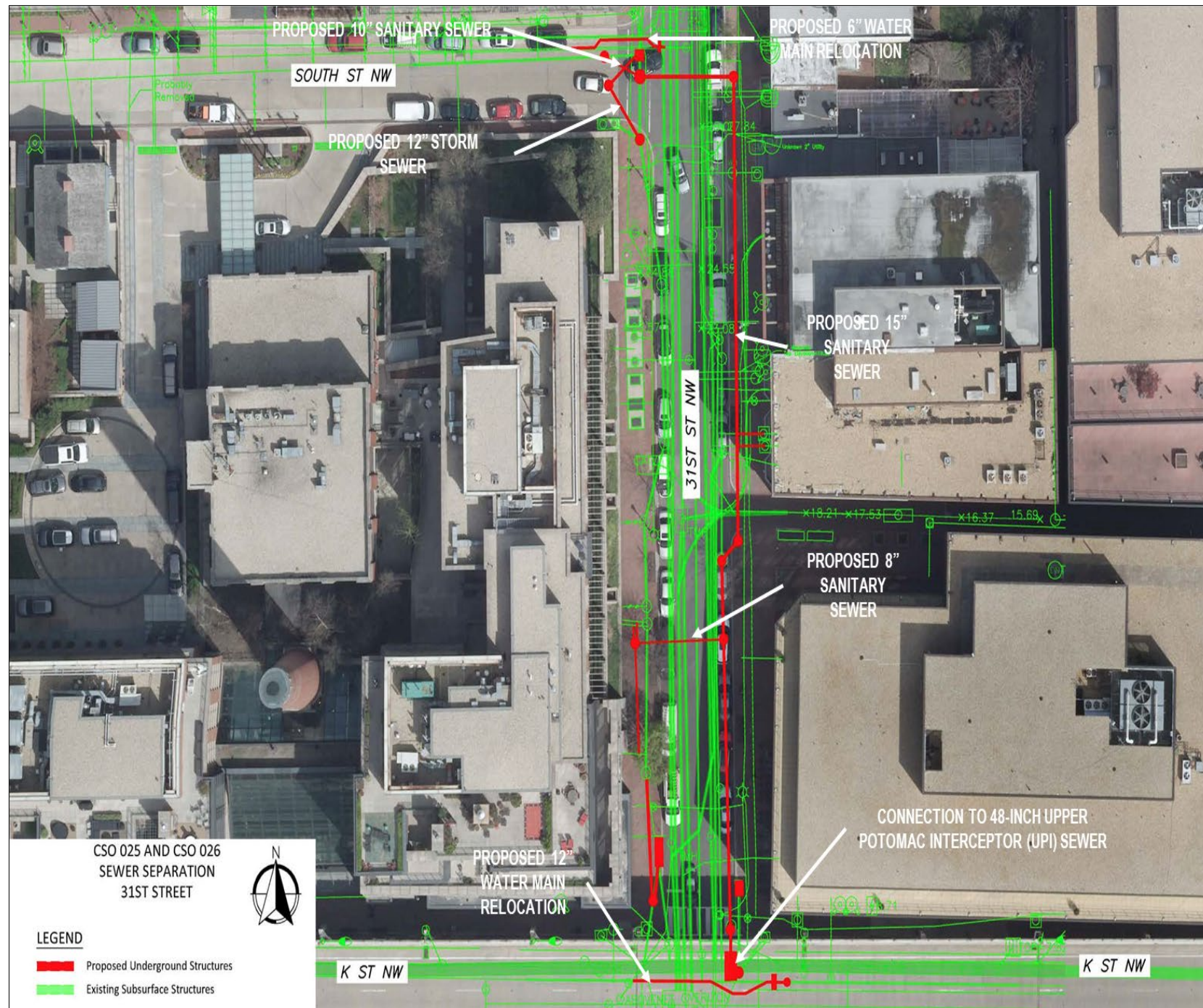
- Bicyclists will be provided clear and safe routes
- Safe pedestrian access will be provided
- Bicycle and pedestrian paths will be provided even for short duration activities
- Parking restrictions will be enforced
- Well trained flaggers will provide safe navigation
- No concurrent work at 31st Street and Wisconsin Avenue by Anchor
- South Street at 31st Street will be closed during excavation in the middle of the intersection (December 2021).
- Existing pavement markings will be removed so they will not conflict with temporary markings.
- All temporary traffic control signs will be placed to maximize visibility
- Anchor will coordinate parking garage access and deliveries during work activities.

CSO 025 and 026 Sewer Separation Approved Construction Haul Route



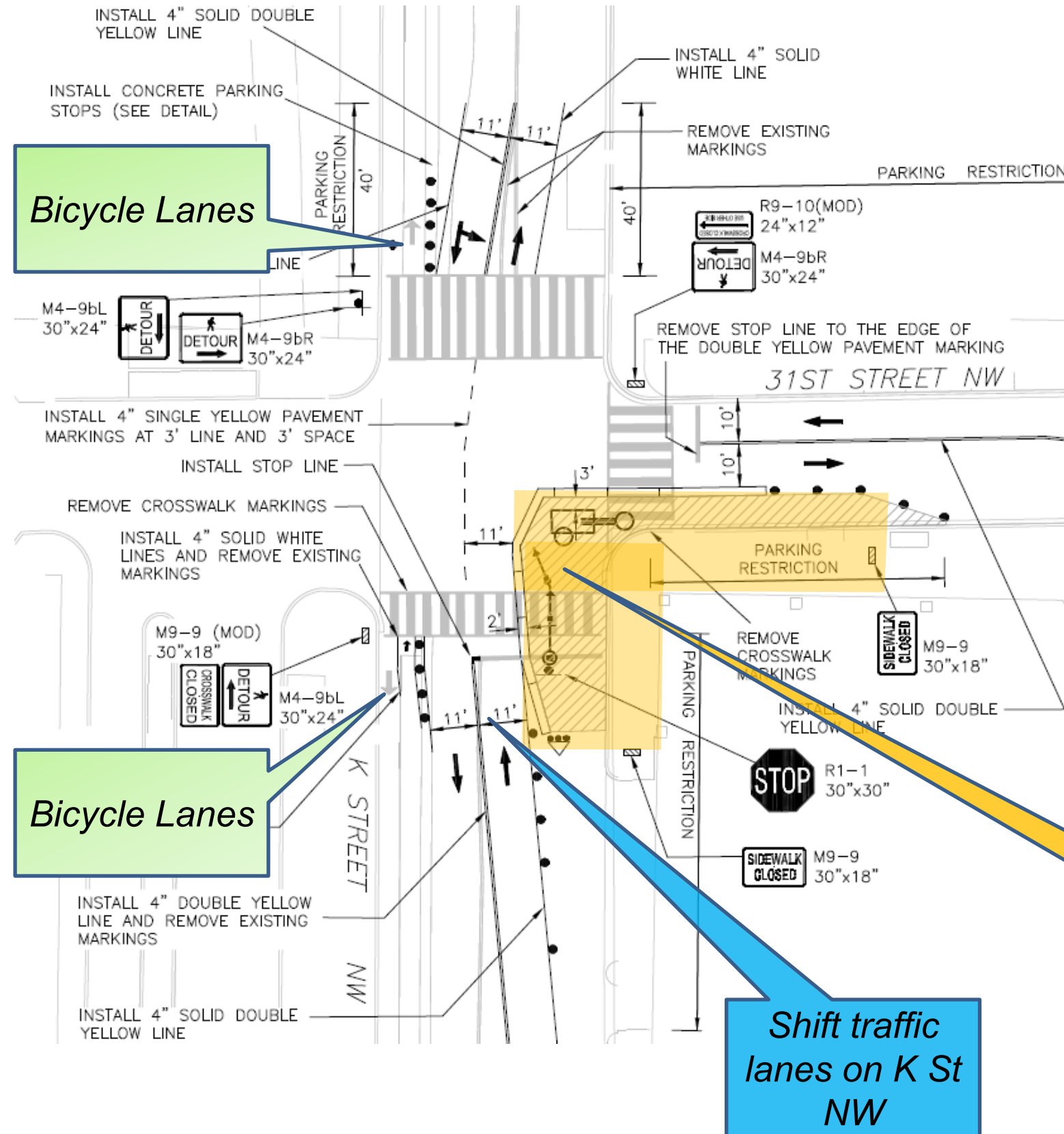
Project Site Locations

31st Street NW



- Approximate Construction Period
May 2021 – March 2022

31st Street NW at K Street NW Traffic Pattern During Construction



- K Street NW traffic shifted to the south
- Maintain on-street bicycle lanes
- Sidewalk Closure with detour
- Approximate Construction Period
May 2021 – July 2021

31st Street NW Traffic Pattern During Construction

- Phase 4

Replace 15" sewer and manhole

One-way traffic flow southbound
South St NW to K St NW

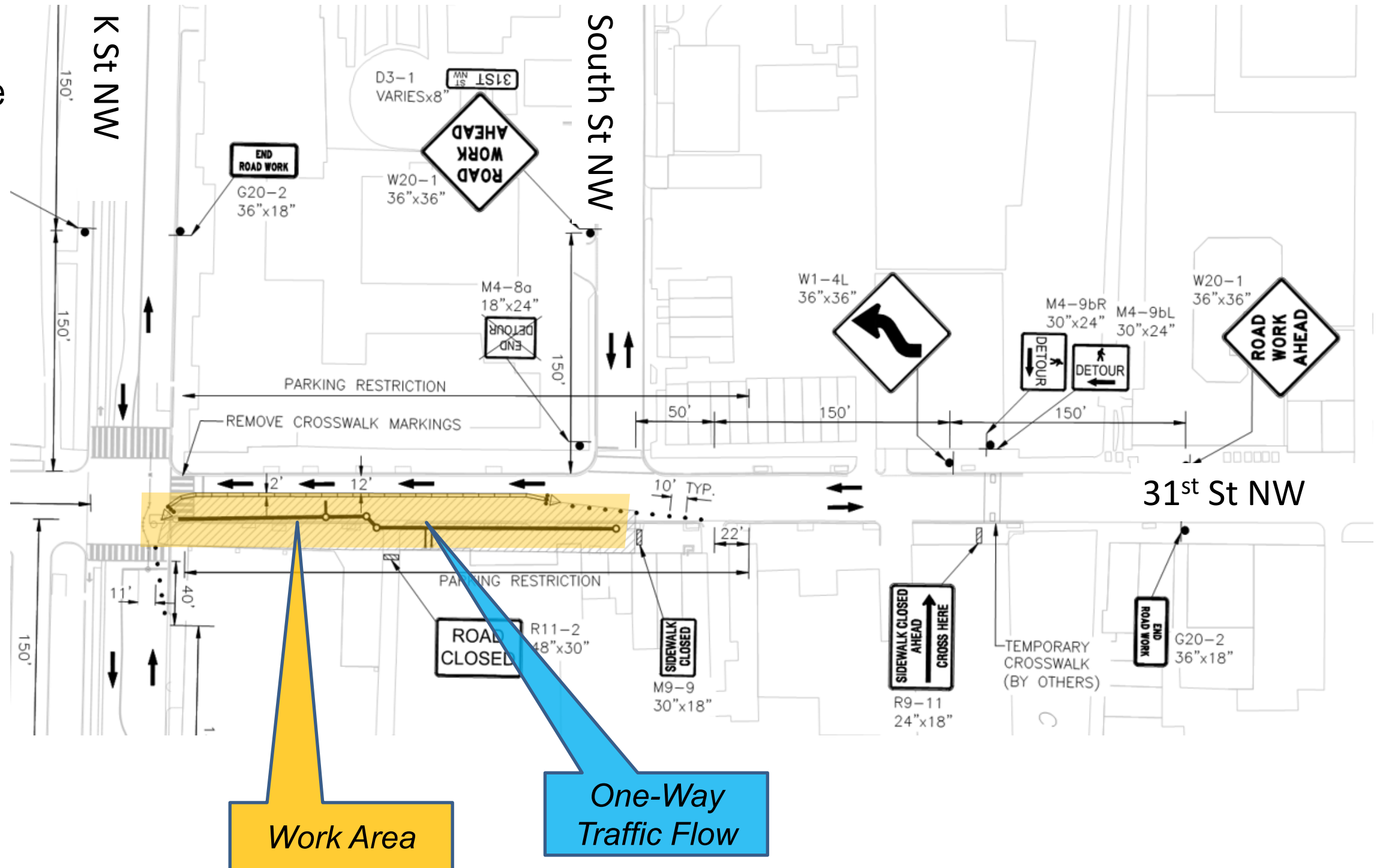
Detour route

Wisconsin Ave, Thomas
Jefferson St, M St NW

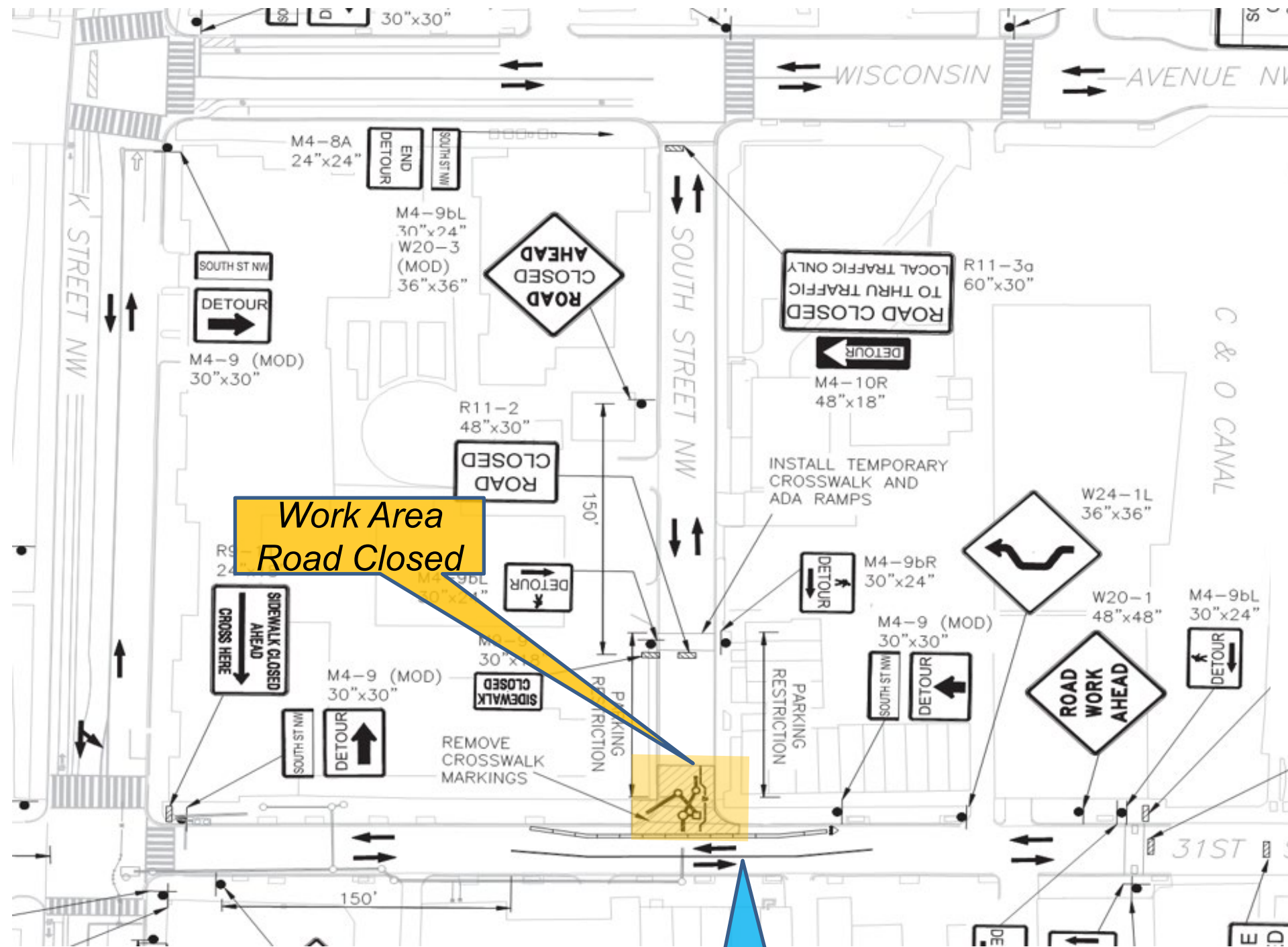
Sidewalk closure with detour

Construction period

July 2021 – October 2021



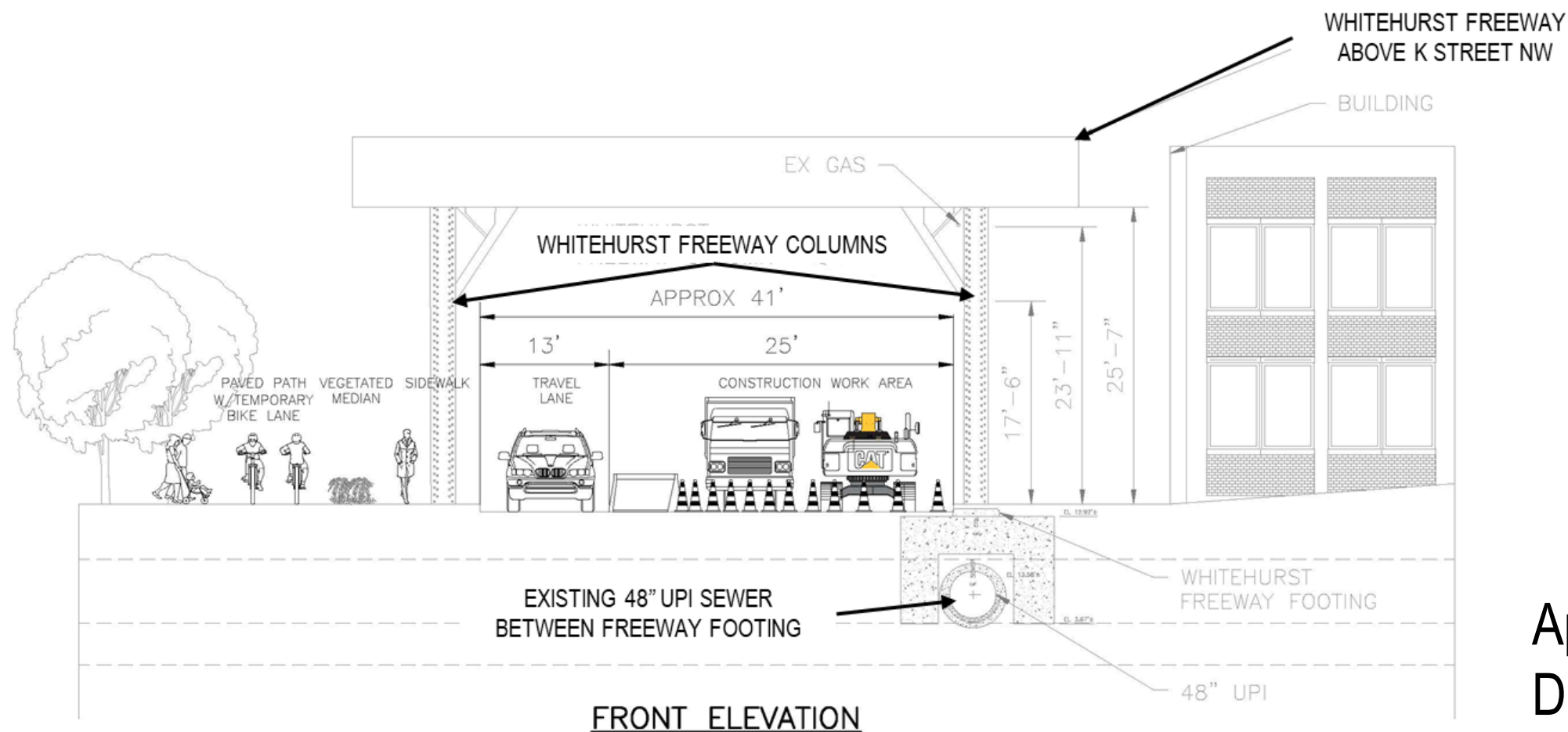
31st Street NW at South Street NW Traffic Pattern During Construction



- South St NW closed at 31st St
- Detour Wisconsin Ave NW, K St NW
- Sidewalk closures
- Approximate Construction Period October 2021 – January 2022

Project Site Locations

Water Street NW (West of Potomac Street NW)



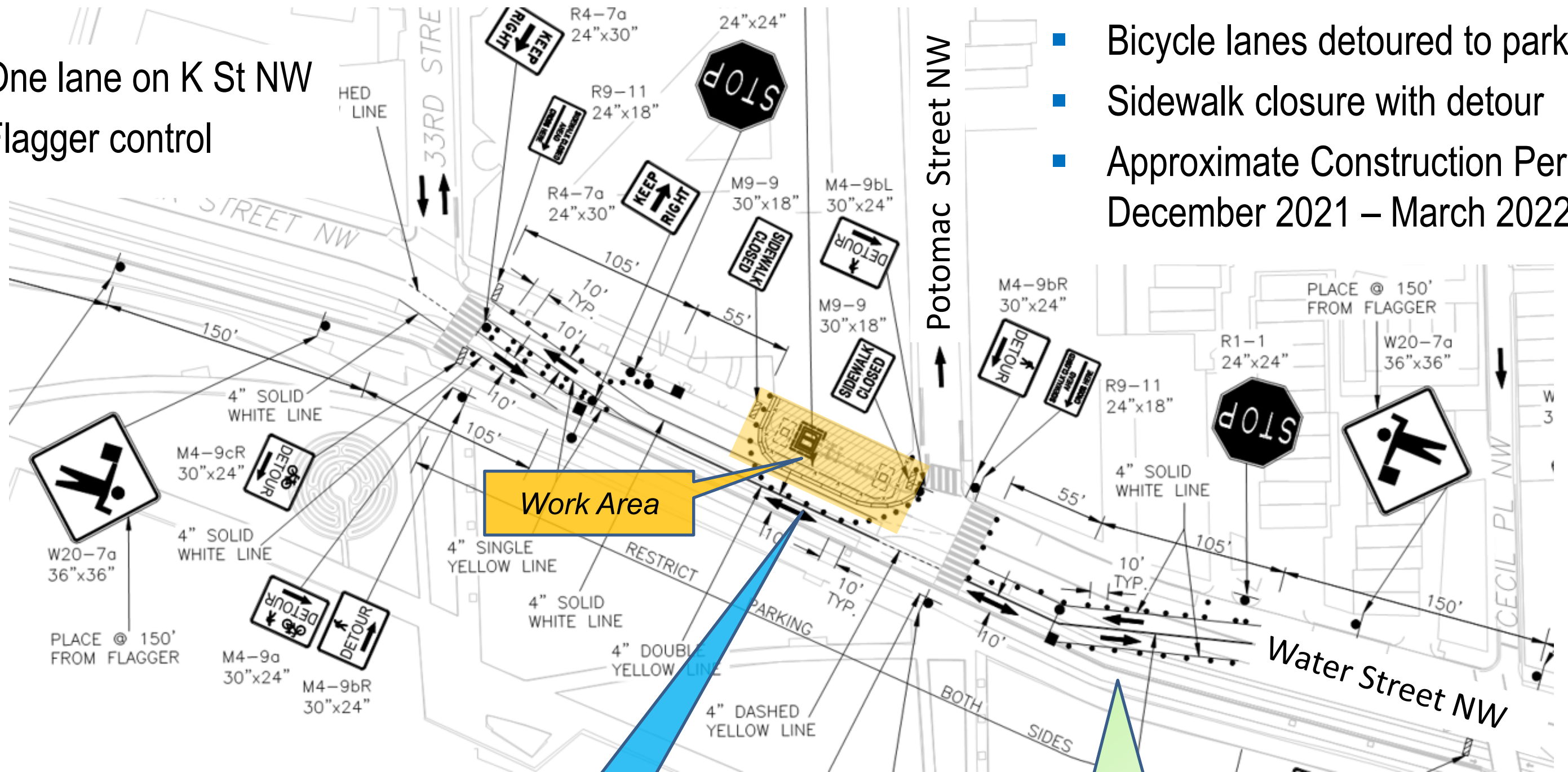
Approximate Construction Period
December 2021 – March 2022

- *During construction hours, traffic will be directed with flaggers through a two-way, one-lane configuration. Outside of construction hours, traffic configuration will be a two-lane, two-way configuration.*
- *Existing bicycle lane will be detoured to Waterfront Park through the duration of construction.*
- *Pedestrians will be detoured to opposite sidewalk during this work.*
- *Total expected construction at this site: approximately 4 months.*

Water Street NW (West of Potomac Street NW) Traffic Pattern During Construction Hours

- One lane on K St NW
- Flagger control

- Bicycle lanes detoured to park
- Sidewalk closure with detour
- Approximate Construction Period
December 2021 – March 2022

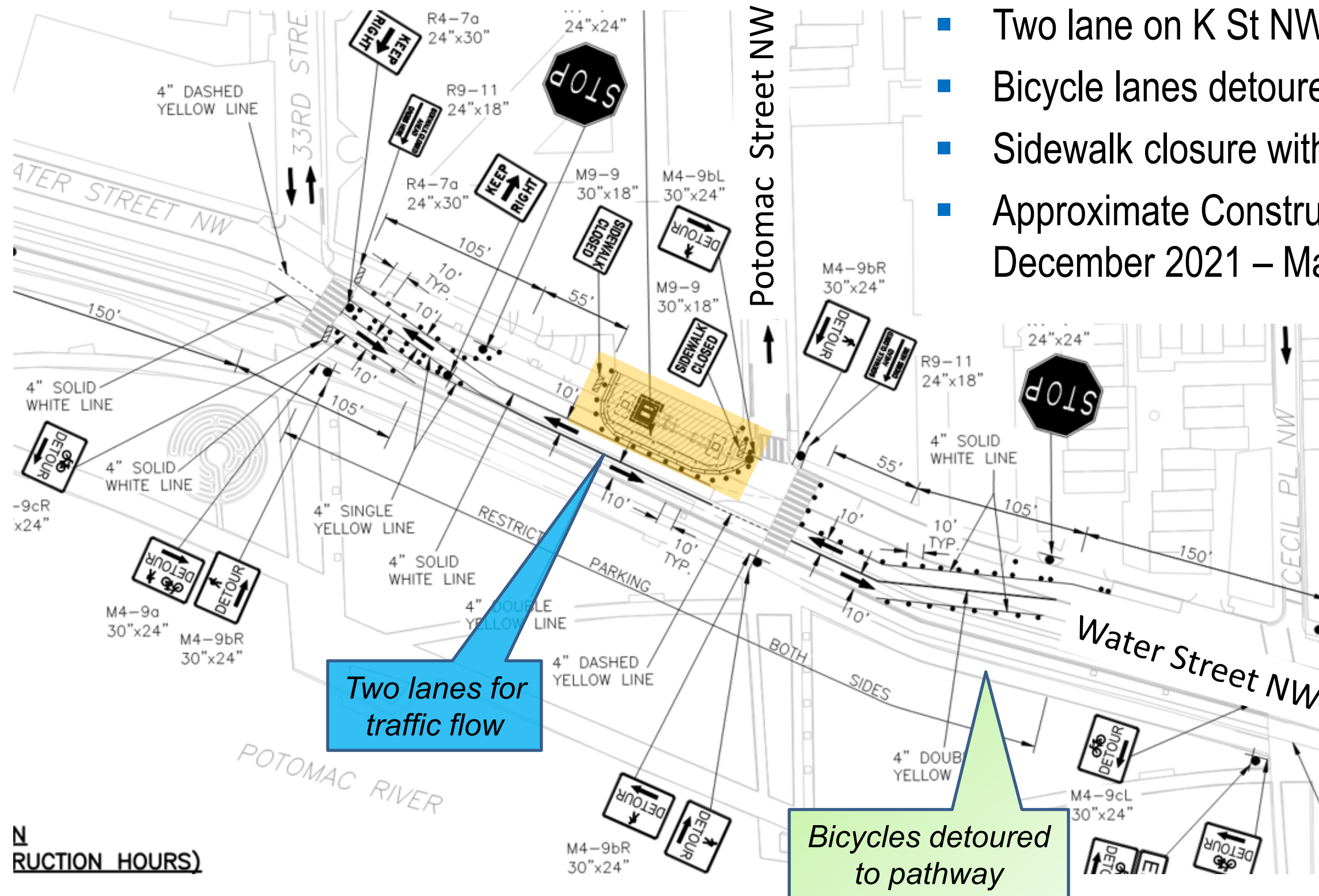


Work Area

One lane traffic flow during work hours

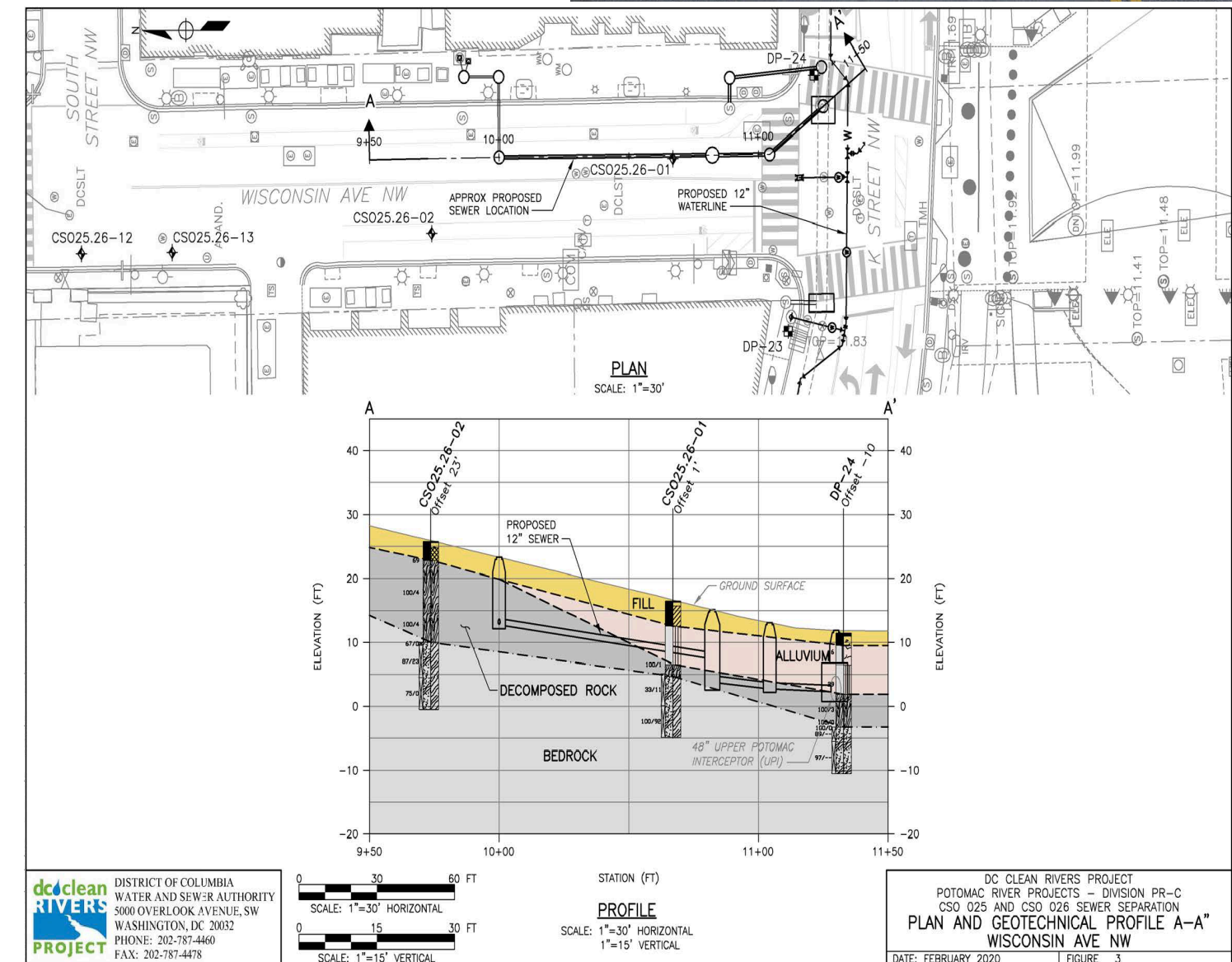
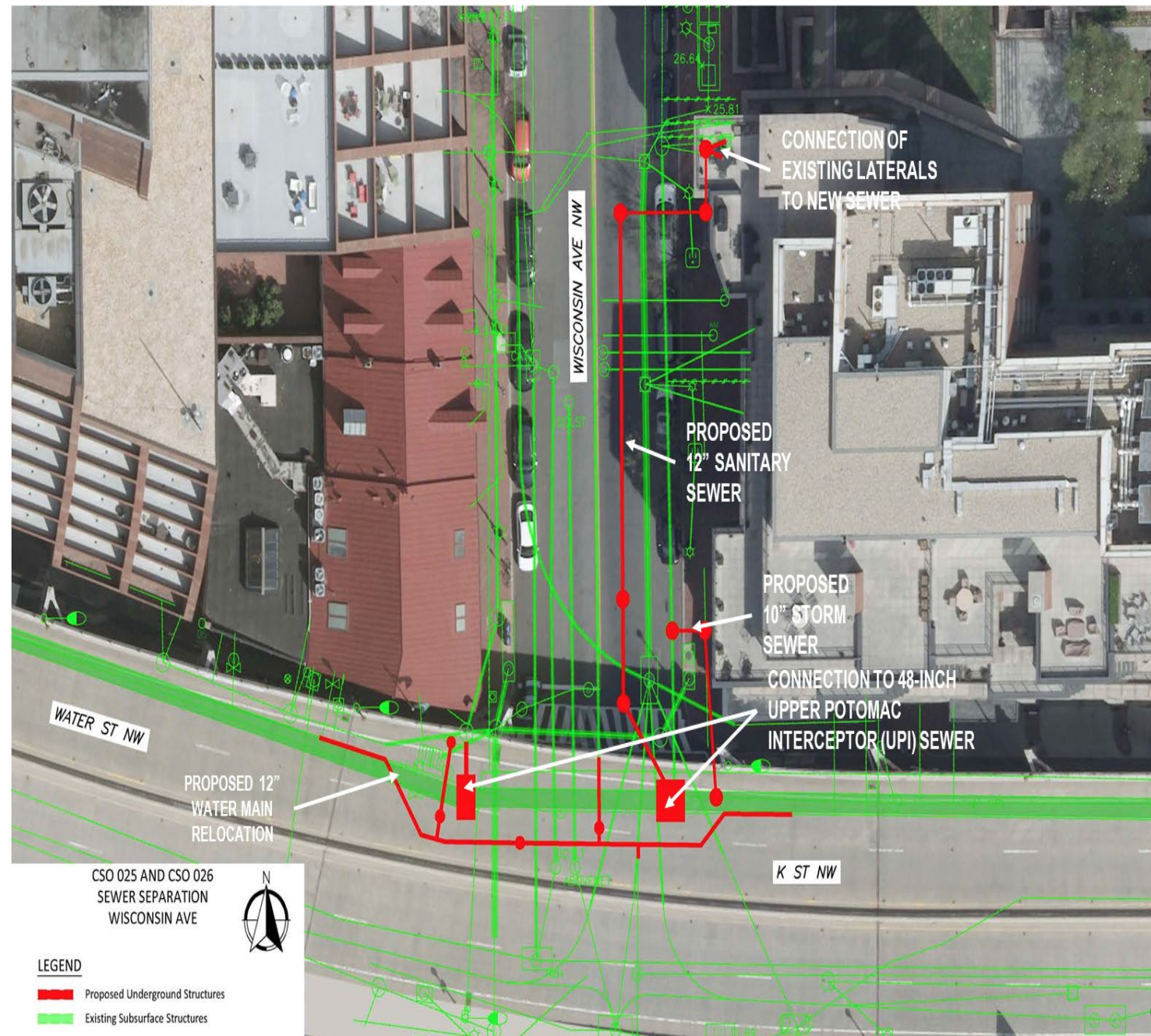
Bicycles detoured to pathway

Water Street NW (West of Potomac Street NW) Traffic Pattern Outside Construction Hours



- Two lane on K St NW
- Bicycle lanes detoured to park
- Sidewalk closure with detour
- Approximate Construction Period December 2021 – March 2022

Project Site Locations Wisconsin Avenue NW



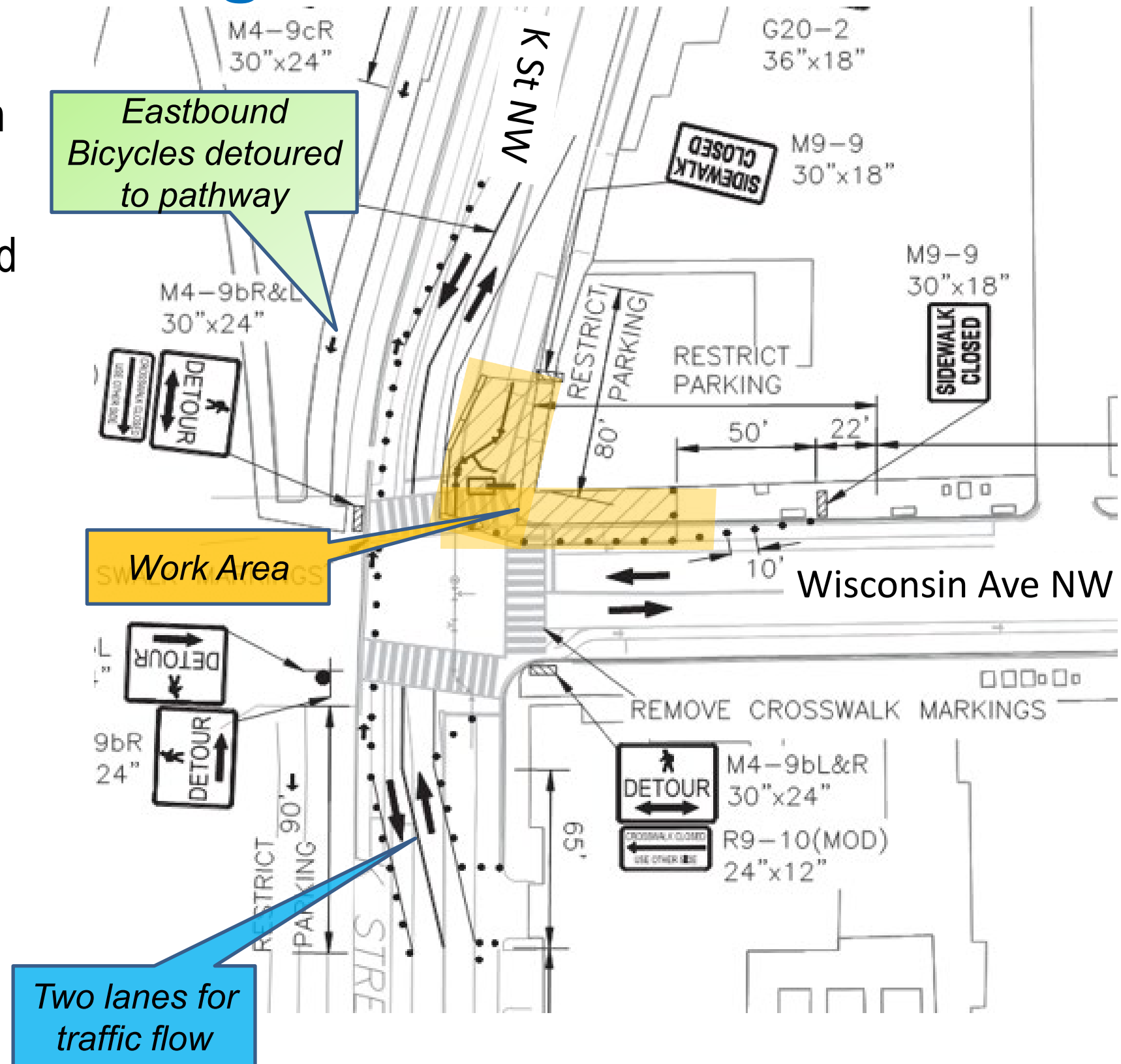
Approximate Construction Period
March 2022 – September 2022

WISCONSIN AVE NW – PHASE 4 MOT

Work includes construction of a portion of the watermain relocation, UPI collar, sewer and manhole construction, and lateral connections

Wisconsin Avenue NW at K Street NW Traffic Pattern During Construction

- K Street NW traffic shifted south
- Sidewalk closure with detour
- Eastbound bicycle lane detoured to Waterfront Park pathway





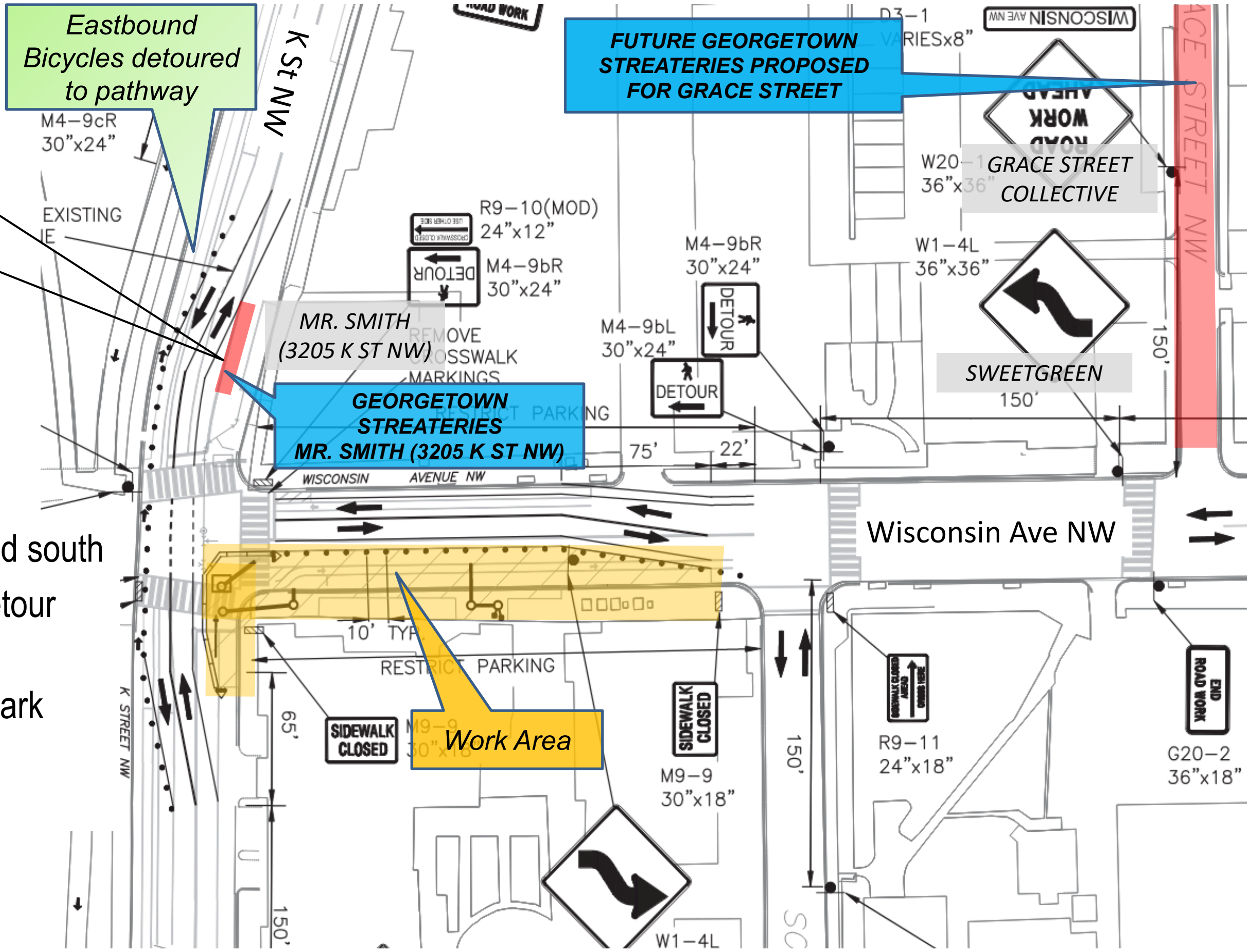
Eastbound
Bicycles detoured
to pathway

**FUTURE GEORGETOWN
STREATERIES PROPOSED
FOR GRACE STREET**

**GEORGETOWN
STREATERIES
MR. SMITH (3205 K ST NW)**

Work Area

- K Street NW traffic shifted south
- Sidewalk closure with detour
- Eastbound bicycle lane detoured to Waterfront Park



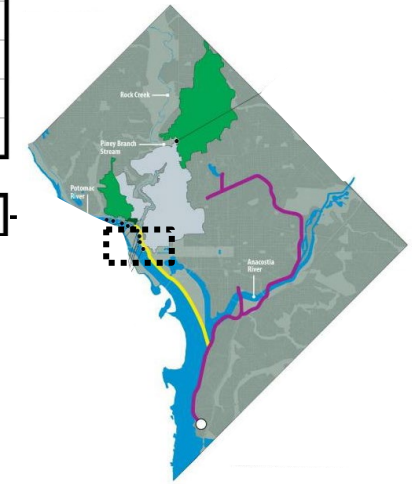
Project Overview

CSO 024

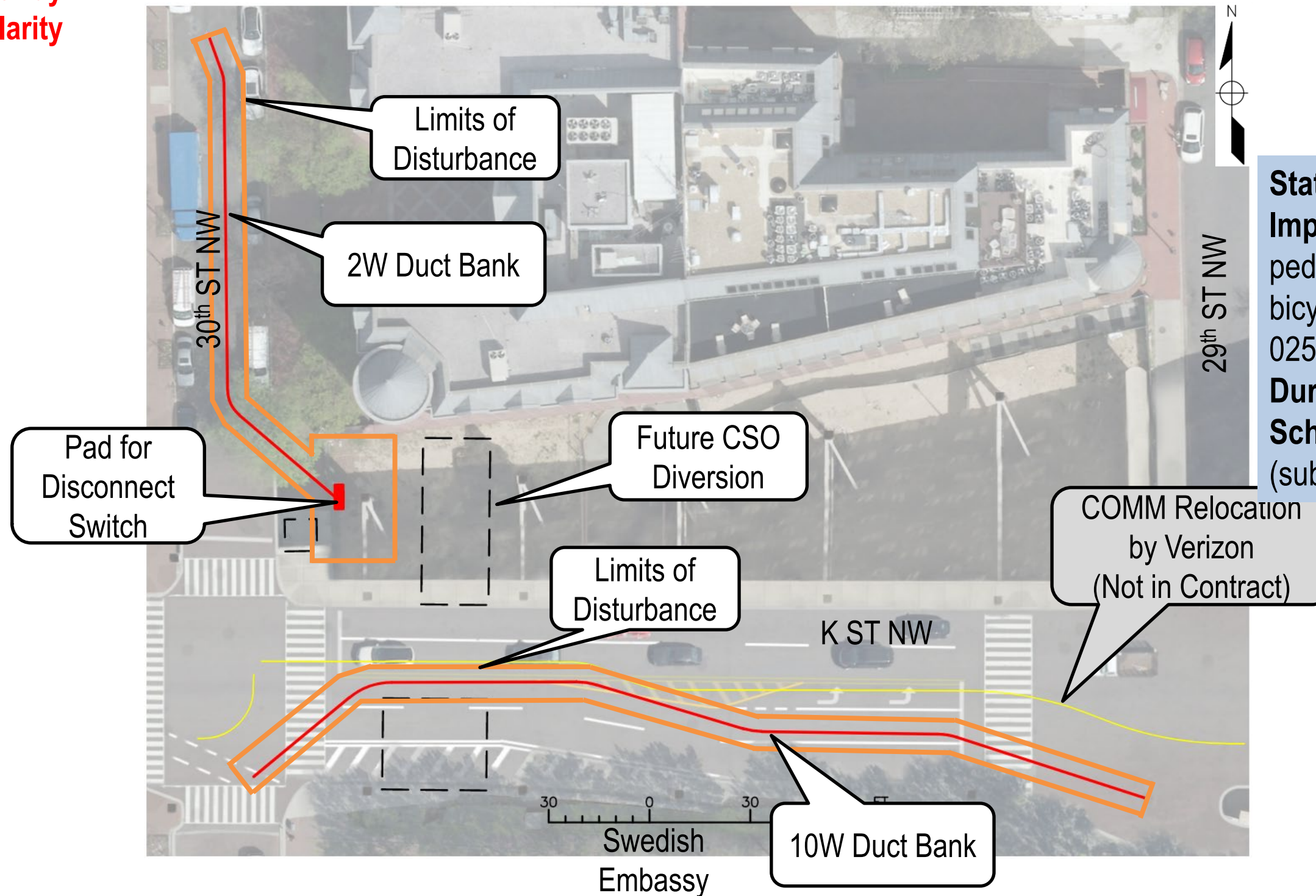
CSO 024 Preliminary Schedule (Pending Final Construction Schedule)	2021												2022											
	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D		
2W Duct Bank and MH Construction (175 LF)																								
10W Duct Bank and MH Construction (300 LF)																								
Verizon Duct Bank and MH Construction																								
Other Comm Companies																								

Note: Preliminary Construction Schedule

DCW Contract w/ Pepco Approved Contractor



Whitehurst Freeway
Removed for Clarity



Status: In procurement
Impact: Phased MOTs for pedestrians, motorists and bicyclists – similar to CSO 025 & 026 Sewer Separation
Duration: 2-3 months
Schedule: early 2022 (subject to change)

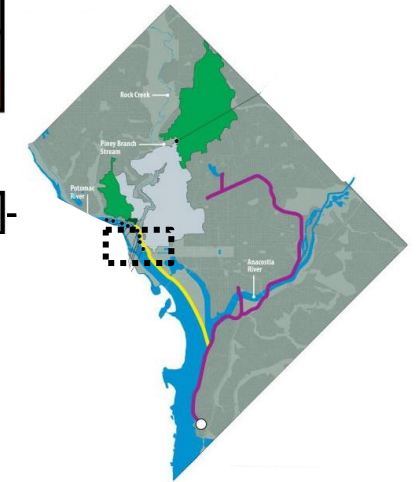
Project Overview

CSO 027

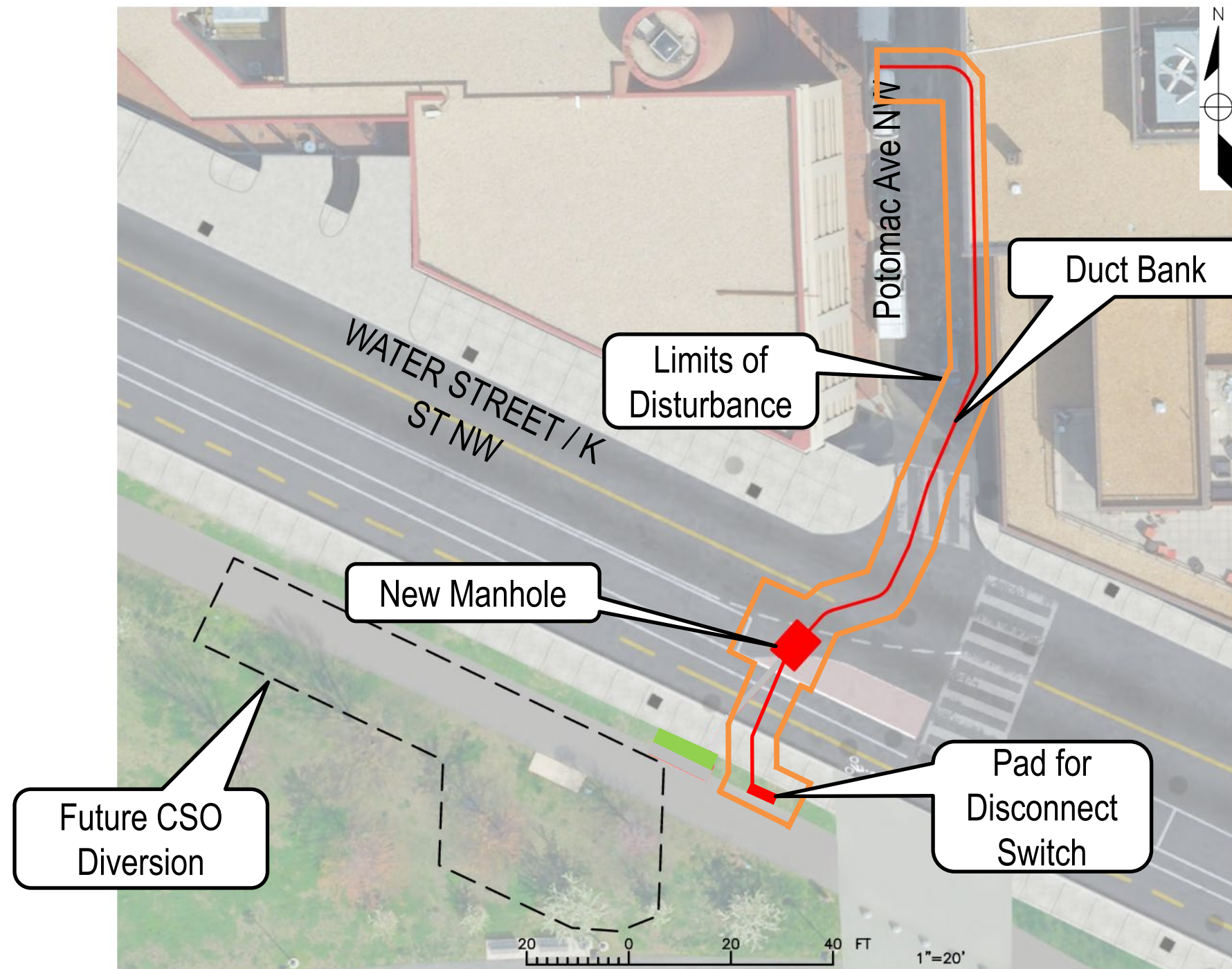
Activity	2021					2022													
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
CSO 027 Duct Bank and MH Construction																			

Note: Preliminary Construction Schedule

DCW Contract w/ Pepco Approved Contractor



Whitehurst Freeway
Removed for Clarity



Status: In procurement
Impact: Phased MOTs for pedestrians, motorists and bicyclists – similar to CSO 025 & 026 Sewer Separation
Duration: ~2 months
Schedule: Fall 2022 (after CSO 025 & 026 Sewer Separation work)



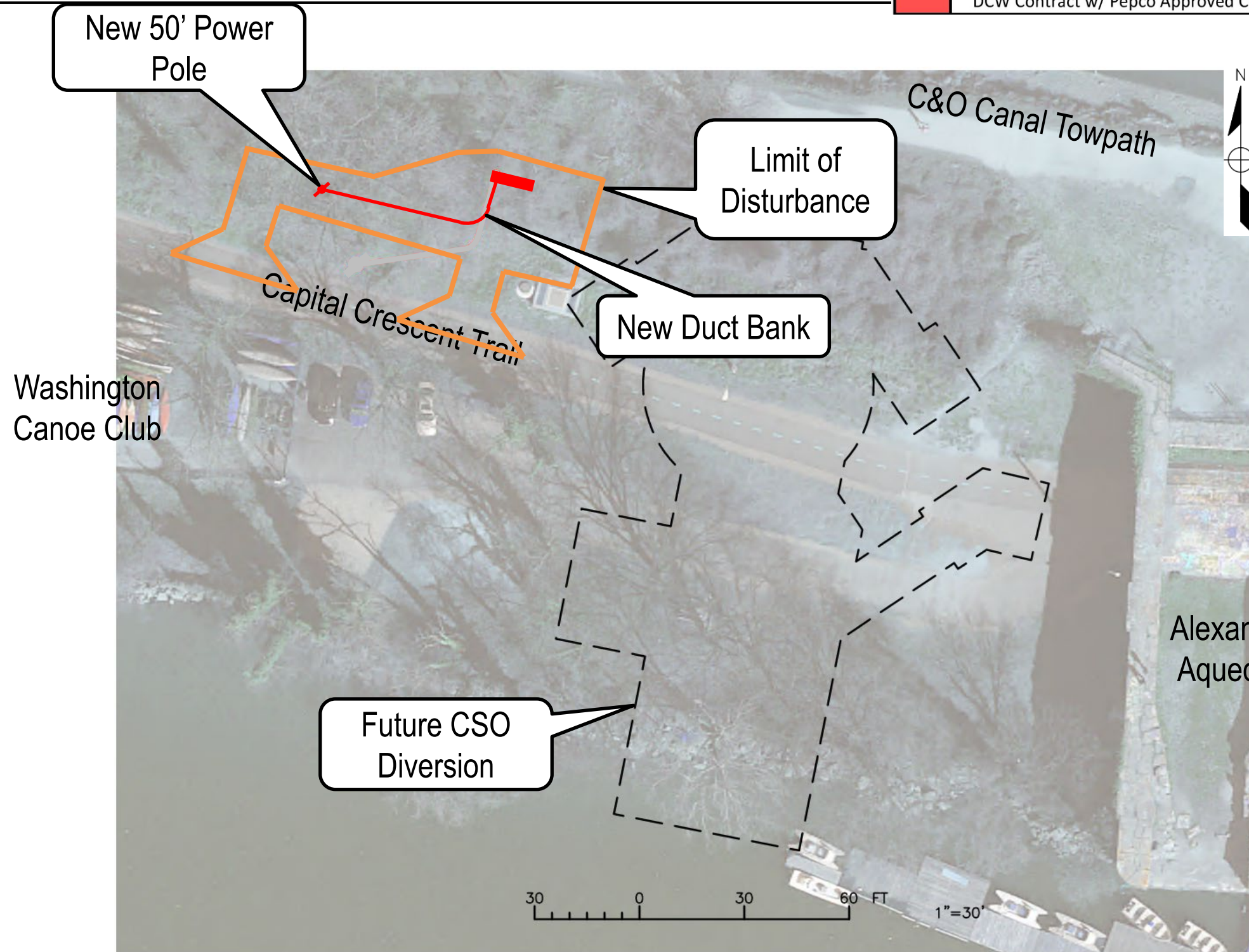
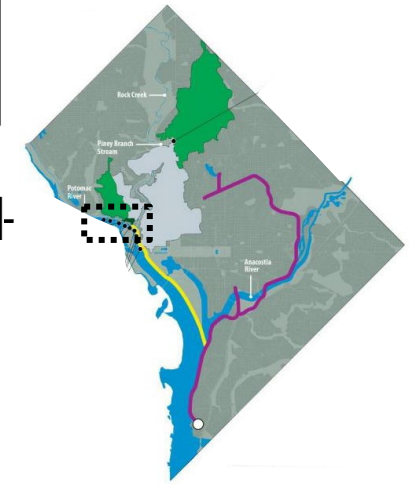
Project Overview

CSO 028

	2021					2022													
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	
CSO 028 Overhead Power and Duct Bank Construction (250 LF)						■	■	■											

Note: Preliminary Construction Schedule

■ DCW Contract w/ Pepco Approved Contractor



Status: In procurement
Impact: Phased MOTs for pedestrians and bicyclists – Capital Crescent Trail remains open
Duration: <1 month
Schedule: late 2021 (subject to change)

Next Steps

- Continued coordination with Councilmember's Office, ANC, and Georgetown BID
- Full-time monitoring of Project Hotline
- Construction expected to begin in early May 2021
 - Provide construction schedule updates as soon as they are known
- If you would like to be included in DC Water's email distribution list for updates on this project, please email dccleanriverssewarsep@dcwater.com

Contact Information:

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amanda.zander@dcwater.com

Project Hotline: 301-772-7358