POTOMAC RIVER TUNNEL

DC Water's Clean Rivers Project

CSO 022

Fact Sheet

PROJECT OVERVIEW

The Potomac River Tunnel is the next major phase of the DC Clean Rivers Project. The project consists of a large-diameter deep sewer tunnel, diversion facilities, drop shafts, and support structures to capture flows from existing combined sewer overflows (CSOs) along the Potomac River and convey them to the Blue Plains Advanced Wastewater Treatment Plant. The project is needed to reduce CSOs that contribute to water quality impairment of the Potomac River and ultimately the Chesapeake Bay; and to comply with the 2005 Federal Consent Decree entered by DC Water, the District of Columbia, the US Environmental Protection Agency, and the US Department of Justice, as amended in January 2016.

CSOs are released into the Potomac River from CSO Outfalls during rainfalls that exceed the capacity of the system. CSOs impair water quality by increasing water bacteria levels, contributing to low dissolved oxygen impacting aquatic life, and increasing the amount of trash in waterways. An estimated 654 million gallons of CSOs currently enter the Potomac River in a year of average rainfall. The proposed controls are estimated to reduce the volume of CSOs to the Potomac River by 93% and reduce their frequency from approximately 74 events to 4 events in a year of average rainfall.

The Potomac River Tunnel Construction is anticipated to begin in Early 2024 and end in 2030.

ANTICIPATED SCHEDULE

(SUBJECT TO CHANGE)

CSO 022

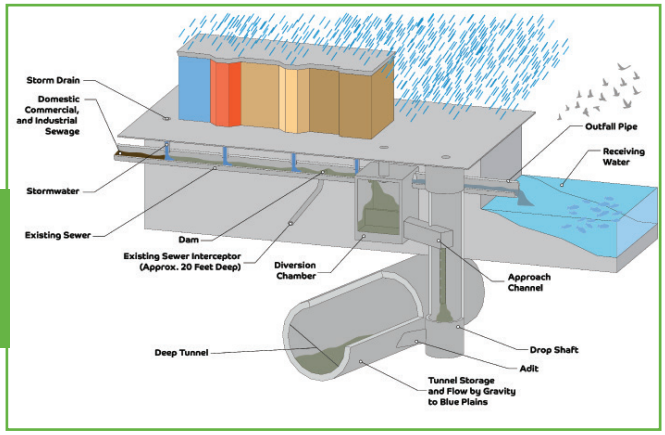
CONSTRUCTION START
Late 2024

ESTIMATED CONSTRUCTION COMPLETION
2030

SITE OVERVIEW

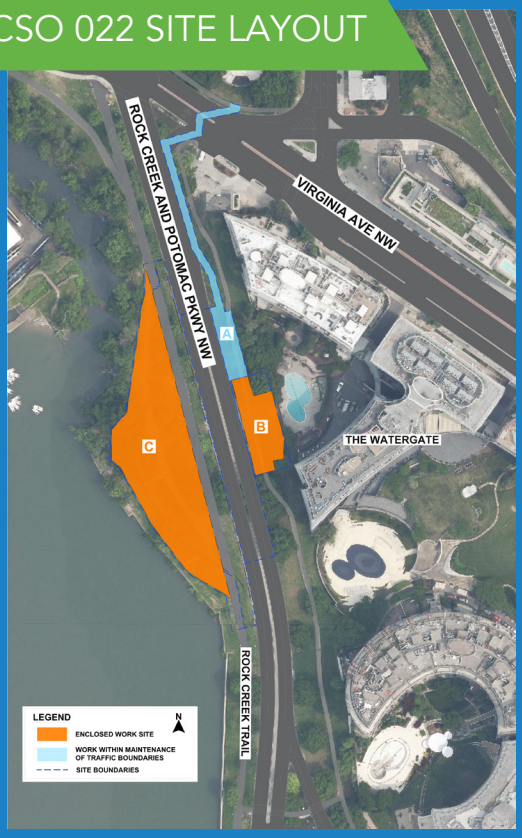
This site is located along the bank of the Potomac River adjacent to Rock Creek and Potomac Parkway, west of the Watergate.

The CSO 022 construction site will include a fenced in staging area, construction office trailers and staff parking.



If you would like to receive project updates via email, please email: dcpotomacrivertunnel@dcwater.com

CSO 022 SITE LAYOUT



PHASE 1

PHASE 2

PHASE 3

SCOPE OF WORK

- Installation of construction staging, fencing and sea wall support piling
- Construction of 45' diameter shaft
- Construction of diversion structure along sewer approach channel
- Construction of ventilation pipe and ventilation structure
- Restoration and landscaping

WORK HOURS

7:00 am – 7:00 pm for surface activities

PROJECT CONTACT INFORMATION

Project Email:
dcpotomacrivertunnel@dcwater.com

Project Website:
www.dcwater.com/prt

Dedicated Project Hotline:
202-972-1388

DC Water 24-hour Emergency:
202-612-3400

SCAN ME

ANTICIPATED CONSTRUCTION PHASES

Phase 1

- Utilities installation with traffic control (area A)
- Installation of fencing and tree protection (areas B and C)
- Tree removal and site clearance
- Piling for seawall support (area C)
- Construction of trail diversion (area C)
- Construction of ventilation structure (area B)
- Hauling of materials

Phase 2

- Ventilation pipes construction, with traffic control (area D)
- Moving fences (area C) and opening of trail diversion
- Ventilation structure completion (area C)
- Installation of equipment and offices

Phase 3

- Construction of shaft and sewer diversion structure supports of excavation
- Excavation of shaft and diversion structure
- Structural works for shaft and diversion structure
- Tunnel boring machine crossing the shaft

Restoration Phase

- Site restoration and landscaping

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