

# DEPARTMENT OF PUBLIC WORKS

## Sanitary Sewer Modified Consent Decree

### Project Facts



## SC #941:

### Sewer Collection System Improvements in the Jones Falls Sewershed

#### Project Purpose

To comply with the conditions of the City's Modified Consent Decree with the U.S. EPA and MDE

- To inspect a sewer system that is up to 100 years old
- To prioritize pipe rehabilitation work through condition assessment
- To indirectly:
  - improve sewage flows and pipe capacity
  - To reduce/eliminate sewer overflows
  - To eliminate street closures due to sewer pipe collapses
  - To improve water quality in streams
  - To prevent sewer back-ups into private property

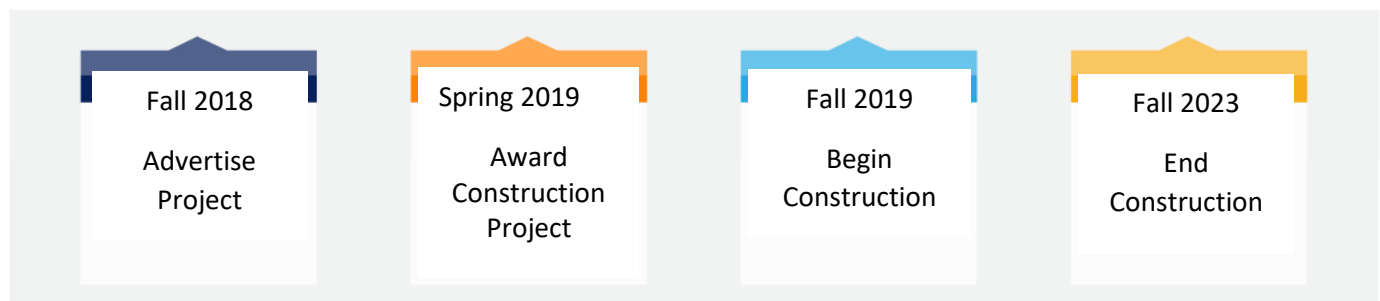
#### Project Area Map



#### Project History

In 2002 the City of Baltimore (City) entered a Consent Decree with the U.S. Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE). A Consent Decree is an agreement made in court by the parties to settle a suit in equity. In 2017, the Modified Consent Decree (MCD) was entered to address sewer system deficiencies in a proactive program by 2030. More information on the Consent Decree can be found at: <http://publicworks.baltimorecity.gov/>

#### Project Schedule



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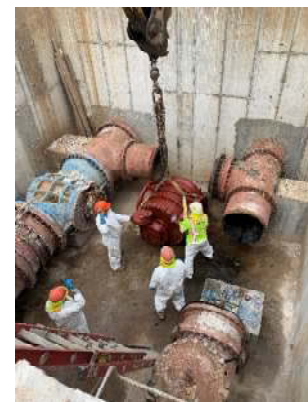
### Sewer Collection System Improvements in the Jones Falls Sewershed

#### Project Updates

- Manhole Rehabilitation – Various Locations– ongoing.
- Pressure Sewer Installation Along Ellsworth St and Rutland Ave
  - Heavy machinery will be used (construction noise is expected)
  - Lane closures /lane adjustments are expected
  - Prestressed Concrete Cylinder Pipe (PCCP) installation on Ellsworth St ongoing. Restoration has also started along Ellsworth. Ellsworth St remains closed to traffic
- Broadway Bypass Pumping – Updated Route and Traffic Control
  - Bypass anticipated to be deployed during September 2022. Several ADA compliant modifications for pedestrians at Biddle St. and at Preston St.
  - Bypass operations went active as of July 26, 2023 and flowing properly.
  - Preston St remains closed to traffic. Traffic detour will be in place through September 2023. New pedestrian ramp across Preston St.
  - 1700 block of E. Chase St is closed. Detours are posted.

#### Project Activities

- CCTV of Sanitary Sewers (47,000 LF)
- Cleaning of Sanitary Sewers (47,000 LF)
- Open Cut Replacement of Sanitary Sewer (178 LF)
- Rehabilitation Sanitary House Connection (199 EA)
- Siphon construction on Falls Rd
- Vault construction on Broadway
- Valve replacement at Oliver St
- PCCP Installation – Ellsworth St, Rutland Ave
- Air Quality Testing started and will be ongoing through the end of the project along N Broadway at E. Oliver, Ellsworth, E. Preston , E. Biddle, and E. Chase St.



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## Project Locations

### 1100 BLOCK OF N. BROADWAY



A – 1101 N. Broadway

B & C – Handicap accessible curb ramps to cross Chase St and access the sidewalk on the 1100 block (odd numbers) of Broadway

D – Bypass outfall protected by barriers and fencing. Chase St closed in the 1700 block. Parking in this block is not impacted.

E – Parking Lane occupied by two 30-inch diameter pipes

Gas monitor (pole-mounted) has been placed at this location to collect continuous H<sub>2</sub>S readings.

Chase St bypass outfall has been reconfigured to receive bypassed sewage flow. Manhole structure will be restored after bypass pipes removed.

AT CHASE ST, THE STEEL PLATE WAS REMOVED AND THE BYPASS PIPES WERE REPLACED IN THE HOLE. SPACES AND GAPS WERE CLOSED TO THE MAXIMUM EXTENT POSSIBLE TO REDUCE SEWER GAS ODORS.

WEEKLY GAS MONITORING VISITS CONTINUED DURING WEEK OF AUGUST 21. HANDHELD METERS REGISTERED LOW-LEVEL ODORS. THE SEVENTH FULL WEEK OF CONTINUOUS DATA SHOWED 'NO H<sub>2</sub>S HITS'. A HIGHER RESOLUTION (2 PPB) METER HAS ALSO BEEN DEPLOYED – MAXIMUM H<sub>2</sub>S READING 6 PPB. ALL READINGS TO DATE SHOW H<sub>2</sub>S CONCENTRATIONS DISSIPATING RAPIDLY WITH DISTANCE FROM THE SOURCE.

#### UPCOMING ACTIVITIES:

BYPASS WILL CONTINUE. THE DATA LOGGER WILL STAY IN PLACE COLLECTING CONTINUOUS DATA. CHASE ST WILL BE RESTORED AFTER BYPASS REMOVAL

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#### ELLSWORTH & BROADWAY



- A. 1326 N Broadway
- B. Proposed Pressure Sewer Vault #1. Pit secured and enclosed by fencing/barriers. Heavy machinery will be used (construction noise is expected).
- C. Above ground by-pass piping to allow for Prestressed Concrete Cylinder Pipe (PCCP) Installation
- D. Ellsworth St closed for PCCP Installation

#### ONGOING ACTIVITIES:

WORK AT THE VAULT (B) WILL CONTINUE

PIPE INSTALLATION ON ELLSWORTH ST (D) IS COMPLETE. RESTORATION ACTIVITIES (CURB, SIDEWALK, PAVEMENT) WILL CONTINUE

#### UPCOMING ACTIVITIES:

FINAL RESTORATION ACTIVITIES ON ELLSWORTH ST WILL RESUME DURING WEEK OF AUGUST 28

#### RUTLAND AVENUE



- A. Rutland St (1200 block) PCCP Installation and restorations is complete. Street is open to traffic (one-way)
- B. Rutland St (1100 block) PCCP Installation and restorations is complete. Street is open to traffic
- C. Above-ground by-pass piping along N Gay St

ALL RESTORATION ACTIVITIES ON 1100 AND 1200 BLOCKS OF RUTLAND AVE ARE COMPLETE. THE STREET IS OPEN TO TRAFFIC.

#### UPCOMING ACTIVITIES:

THREE TREES WILL BE PLANTED ON THE EAST SIDE OF RUTLAND AVE.

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#### OLIVER & BROADWAY



WEEKLY GAS MONITORING VISITS CONTINUED DURING WEEK OF AUGUST 21. HANDHELD METERS REGISTERED LOW-LEVEL ODORS.

THE SEVENTH FULL WEEK OF CONTINUOUS DATA SHOWED 'NO H2S HITS'.

LANE SHIFT IS IN PLACE (IMPLEMENTED WEEK OF JULY 3<sup>RD</sup>) IN THE 1400 & 1500 BLOCKS OF SB BROADWAY – NO PARKING (EVEN SIDE ONLY)

BYPASS IS ACTIVE.

**UPCOMING ACTIVITIES:**  
OLD VALVES IN THE OLIVER ST VAULT HAVE BEEN REMOVED. NEW VALVES WILL BE INSTALLED DURING WEEK OF AUGUST 28.

#### Note about project delays

The work in the N. Broadway - Ellsworth St - Gay St - Chase St corridor has experienced significant delays due to (1) adverse subsurface conditions (2) conflicts with existing utilities, (3) supply chain disruptions due to the COVID-19 pandemic and (4) need for replacement of non-functioning valves, which are a long lead-time item in the current economic climate. The original schedule would have dictated that the traffic control measures would be in place during the period October-November 2021. However, because of the delays, the traffic control measures were implemented in October 2022 and expected to remain through September 2023. Bypass is now active. During the latest phase of the bypass configuration, some parking will be eliminated on the 1400 and 1500 blocks of N. Broadway (southbound direction). The single traffic lane will be shifted to the parking lane. These required changes have made it necessary to upgrade current traffic control measures, achieving greater ADA compliance throughout the site. Drivers and bicyclists are urged to exercise caution.

The project team is deeply apologetic to the members of the community for the adverse impacts of these delays and is trying its best to accomplish the project goals in spite of them.

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We hope this provides insights for upcoming work as we strive to safely complete this project. If you have any question; you may call (410) 396-4700; Monday through Friday; between 8:30 AM and 4:30 PM. Mr. Indranil Goswami, the project manager can be reached at (410) 396-4700, as well as via email; [Indranil.Goswami@baltimorecity.gov](mailto:Indranil.Goswami@baltimorecity.gov). Additional information and resources are also available on our website <https://publicworks.baltimorecity.gov/sewer-consent-decree-project-history>

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