

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

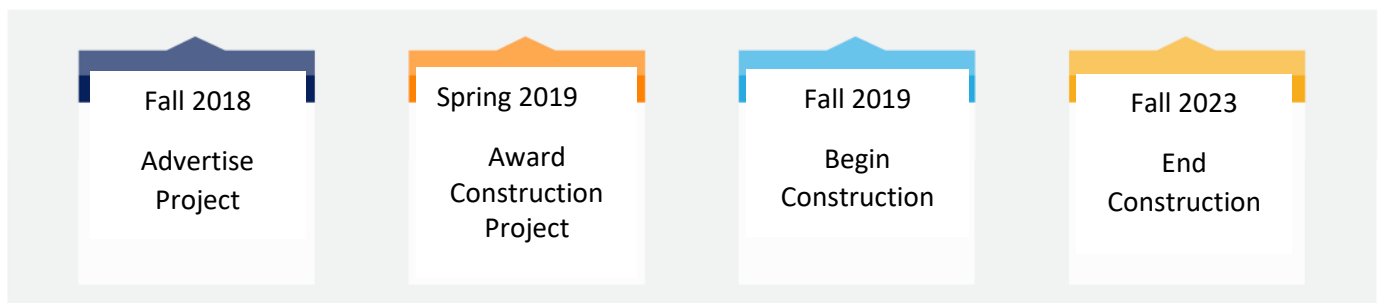
Project Area Map



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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Project Updates

- Manhole Rehabilitation – Various Locations– complete
- 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 is ongoing. Ellsworth St remains closed to traffic. Rutland St restoration – pavement, sidewalk, curbs – is complete
- Broadway Bypass Pumping – Updated Route and Traffic Control
 - Bypass anticipated to be deployed through September 2023. 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
- 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 H₂S readings.

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

WEEKLY GAS MONITORING VISITS CONTINUED DURING WEEK OF JULY 24. HANDHELD METERS REGISTERED LOW-LEVEL ODORS. THE THIRD FULL WEEK OF CONTINUOUS DATA SHOWED 'NO H₂S HITS'. A HIGHER RESOLUTION (2 PPB) METER HAS ALSO BEEN DEPLOYED – MAXIMUM H₂S READING 6 PPB. ALL READINGS TO DATE SHOW H₂S CONCENTRATIONS DISSIPATING RAPIDLY WITH DISTANCE FROM THE SOURCE.

UPCOMING ACTIVITIES:

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

THE DATA LOGGER WILL STAY IN PLACE COLLECTING CONTINUOUS DATA

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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

UPCOMING ACTIVITIES:

WITH THE BYPASS ACTIVE, WORK AT THE VAULT (B) WILL CONTINUE

PIPE INSTALLATION ON ELLSWORTH ST WILL CONTINUE

FINAL RESTORATION ACTIVITIES ON ELLSWORTH ST WILL RESUME AFTER PIPE INSTALLATION IS COMPLETE

RUTLAND AVENUE



- A. Rutland St PCCP Installation. Heavy machinery will be used (construction noise is expected)
- B. Rutland St PCCP Installation Heavy machinery will be used (construction noise is expected)
- 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 JULY 24. HANDHELD METERS REGISTERED LOW-LEVEL ODORS.

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

LANE SHIFT WAS IMPLEMENTED (WEEK OF JULY 3RD) IN THE 1400 & 1500 BLOCKS OF SB BROADWAY – NO PARKING (EVEN SIDE ONLY)

BYPASS IS ACTIVE

UPCOMING ACTIVITIES:
VALVES IN THE OLIVER ST VAULT WILL BE REPLACED DURING THE ACTIVE BYPASS PHASE

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. Additional information and resources are also available on our website <https://publicworks.baltimorecity.gov/sewer-consent-decree-project-history>

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