

# DEPARTMENT OF PUBLIC WORKS

## Sanitary Sewer Project Facts



## SC #866:

### Replacement of the Southwest Diversion Pressure Sewer – Phase I

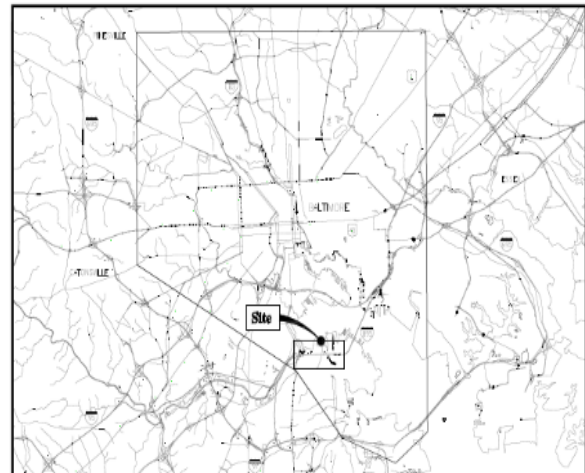
#### Project Purpose

This project replaces an aging pressure sewer line and addresses probable future failures due to microbiological influenced corrosion or MIC. Providing evaluation and maintenance access to sewer outside of the expanded CSX Curtis Bay railyard

Indirectly:

- To reduce/eliminate sewer overflows
- To eliminate street closures due to sewer pipe collapses

#### Project Area Map

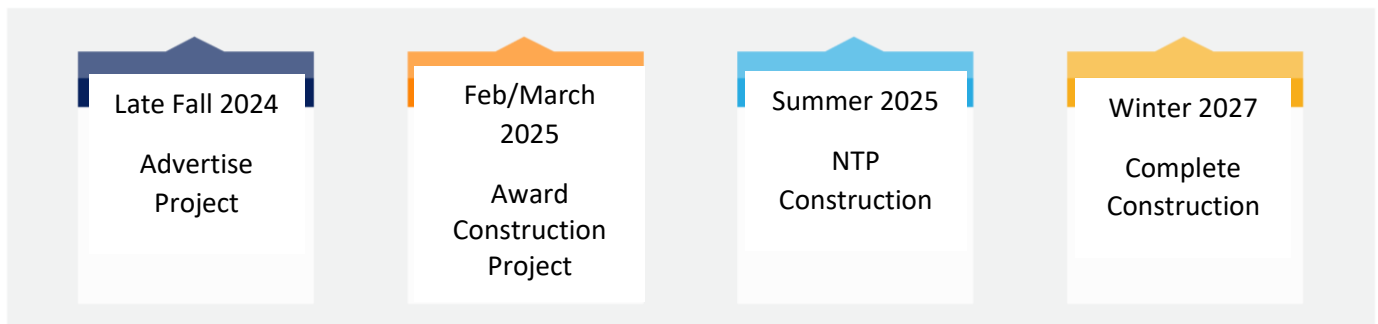


#### Project History

In 2009 a study report by the City evaluating the condition and design options for rehabilitation or replacement of the Southwest Diversion Pressure Sewer, (SWD) which currently runs under the CSX's Curtis Bay Rail Yard.

Evaluation and Maintenance of the existing sewer is difficult at best and can be catastrophic during an emergency event considering the level of coordination required between the City and CSX for access.

#### Project Schedule



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#### Project Updates

The SC866 project area is within the Patapsco Sewershed and includes work within the Fairfield area of Baltimore City. This project is currently undergoing some modifications to the design and scope. Due to constructability issues the original project has been separated into two phases. Phase 1 will construct a new 102 inch utility along the north side of Frankfurst Avenue beginning just east of 2<sup>nd</sup> Street. The work will replace an aging pressure sewer and involves the installation of approximately 7,000 linear feet of and 102-inch sewer pipe via open cut and tunneling methods. Phase 2 will involve the partial abandonment of existing 96-inch and 102-inch sewer under CSX property and connection to the existing utility on the western end at Potee Street. Also included will be connection to the existing parallel sewer on Chesapeake Avenue for the eastern end. All proposed work is within the 10<sup>th</sup> Council District.

#### Project Activities

- Installation of 5,500 linear ft. (LF) of 102 in. sewer mains along the westbound stretch of Frankfurst Avenue via open cut method
- Installing of 100 linear ft. (LF) of 102 in. encased sewer pipe via tunneling method under the CSX track on Shell Road
- Installing maintenance access manholes approx. every 1,500 ft.
- Abandonment of the 96"/102" Diameter Pressure Sewer – filling portions under the CSX rail yard with flowable fill
- Connecting new utility to the existing at the east and west extents of the project -Phase II



If you have any project-related questions, please call (410) 396-4700, Monday through Friday, between 8:30 AM and 4:30 PM. Additional information and resources are also available on our website <https://publicworks.baltimorecity.gov>