

Richmond DPU: City Improvement Projects

Job: CSO Outfall 004 Improvement Project

Location: Williamsburg Avenue between Stoney Run Road and East Main Street

Project Introduction

The CSO Outfall 004 Improvement Project is one of the mandated projects in Richmond's Combined Sewer Overflow Interim Plan. The project consists of the installation of a larger pipe that will hold more combined sewer system volume and infrastructure that will control flow at combined sewer overflow (CSO) Outfall 004. It will include construction of new sanitary sewer manholes and underground pipes, a relocated outfall into Gillis Creek, an underground solids and floatables control regulator structure, an access driveway and connection to the existing Fulton Bottom Interceptor sewer pipe.

This project will reduce the number of combined sewer overflow events by an estimated 48 events annually and reduce combined sewer overflow volume by an estimated 5.1 million gallons annually.



Project Schedule

Project Assignment: April 2021 (Greeley and Hansen)

Survey & Preliminary Design: Completed April 2022 (Greeley and Hansen)

Engineering Design: Completed November 2022 (Greeley and Hansen)

Construction Assignment: Began in July 2023, Estimated Completion is April 2025

WHAT HAPPENS NEXT:

Project Duration:

Construction began in late summer 2023. The projected completion date is April 2025.

Public Impacts:

There will be traffic impacts along Williamsburg Road until the completion of the project. Digital sign boards will remain positioned to inform residents of the traffic re-routing. The contractor has provided a means to access the Stone Brewing parking lot on Williamsburg Road. The public trails behind Chimborazo Park will have limited access.

American Rescue Plan Act:

The CSO Outfall 004 Improvement Project is one of the ten combined sewer projects in Richmond's CSO Interim Plan that has received federal funding support from the American Rescue Plan Act (ARPA), administered by the Virginia Department of Environmental Quality.

Project Benefits:

This project will reduce the number of combined sewer overflow events at this location by an estimated 48 events annually and reduce combined sewer overflow volume by an estimated 5.1 million gallons annually.

Current Status :

The project is now past the 50% point in the construction schedule. Key construction milestones so far include completion of the majority of the new CSO regulator structure and the successful completion of the large diameter pipe tunneling in Williamsburg Road and under the railroad track crossing.

The projected completion date has been extended by three months from January 2025 to April 2025 due to unexpected underground utilities and soil conditions. Despite these challenges adding construction time, the construction cost impact has been minimal and remains within the project's overall budget which is being fully funded by an ARPA grant.

For questions, comments, or concerns specifically about any of these projects, please contact:

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