

Miscellaneous CSO Improvements (MCSO)



DESCRIPTION

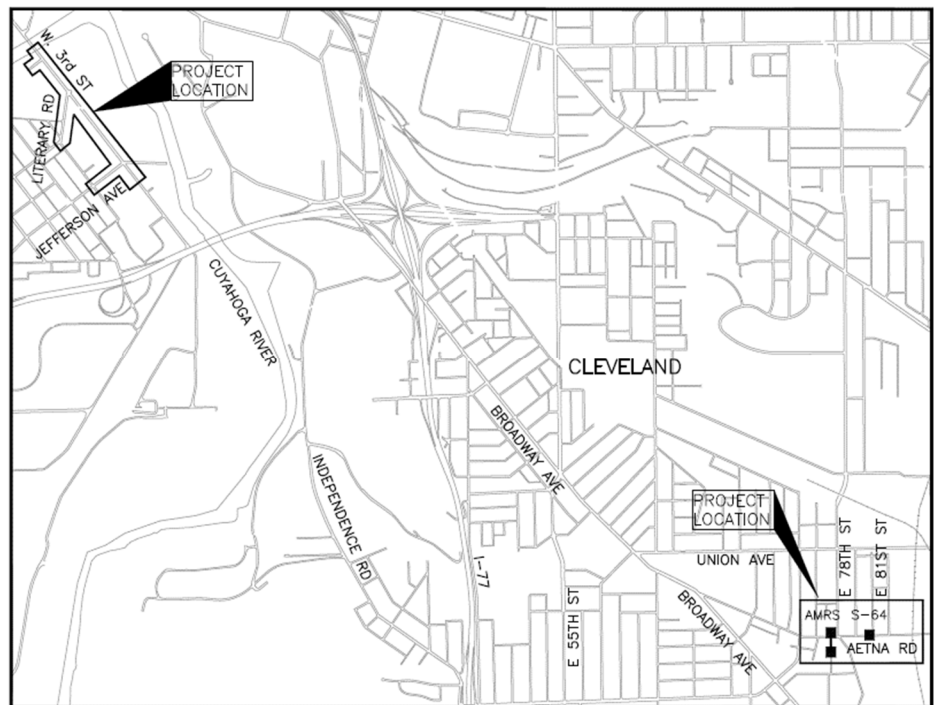
The Miscellaneous CSO Improvements (MCSO) project is part of Project Clean Lake, a \$3B, 25-year program NEORSD began in 2011 designed to meet Clean Water Act standards and address water quality issues. This is one of the projects that the NEORSD will use to reduce the 4.5 Billion Gallons of wet weather combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area. The MCSO project includes four main components: W. 3rd St. Sewer Separation, Jefferson Ave. Sewer Separation, Aetna-Morgana Relief Sewer, and Flow Divider S-64 Modifications.

This project includes abandonment of two flow regulators and one flow divider; modification of one flow divider; construction of 591 LF of 15” diameter storm sewer, 479 LF of 12” diameter sanitary sewer, and 197 LF of 24” sanitary sewer; cleaning of 5,070 LF of existing sewers. This project includes abandonment of two flow regulators and one flow divider; modification of one flow divider; construction of 591 LF of 15” diameter storm sewer, 479 LF of 12” diameter sanitary sewer, and 197 LF of 24” sanitary sewer; cleaning of 5,070 LF of existing sewers; and site and pavement restoration.

PROJECT BENEFITS

The project will reduce sewer surcharging in the local sewer system upstream of the Morgana Run Culvert during the 5-year 1-hour storm and will convert 2 permitted CSO locations on the Cuyahoga River, CSO-082 and CSO-240, to stormwater only outlets through sewer separation, resulting in the following benefits:

- Improved water quality in the Cuyahoga River;
- A reduction in public health risks associated with CSOs;
- Wet weather flood relief; and
- A cleaner Lake Erie for drinking water, boating, beach-going, and other recreational purposes.



MCSO Project Map

CONSTRUCTION COST: \$2.1 million

CONTRACTOR: DiGioia Suburban

STATUS: Construction

Consent Decree milestones

W. 3rd Sewer Separation: 2025

Jefferson Ave. Sewer Separation: 2028

MCSO Project Schedule					
	Year				
Project Phase	2017	2018	2019	2020	2021
Design	█	█	█	█	█
Bidding				█	█
Construction				█	█