

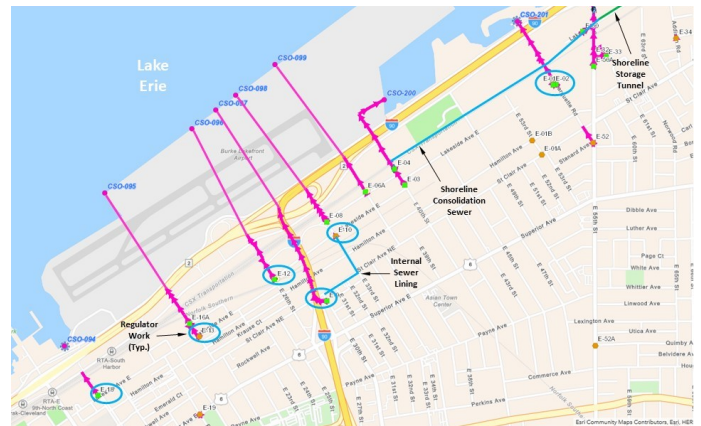
# SHORELINE CONSOLIDATION SEWER & E-09 CSO CONTROL AND RELIEF SEWER PROJECT

## DESCRIPTION

The Shoreline Consolidation Sewer & E-09 CSO Control and Relief Sewer project (SCS) is part of Project Clean Lake, a \$3B, 25-year program NEORSRSD began in 2011 designed to meet Clean Water Act standards and address water quality issues. The SCS project will reduce wet weather combined sewer overflows (CSOs) released into Lake Erie in the Greater Cleveland area by about 202.7 million gallons (MG) in a typical year.

At this time, the SCS project is anticipated to include the following:

- A 5,100 LF soft ground micro-tunnel parallel to, and north of, the CSX railroad corridor north of Lakeside Avenue from East 40th Street to East 55th Street, where it will connect to the Shoreline Storage Tunnel. It will convey wet weather flow diverted from CSO 200.
- Internal lining of 2,200 LF of brick sewer ranging in size from No. 2 to No. 10 under St. Clair Avenue and East 33rd Street.
- Modification/replacement of regulators associated with CSOs 094, 095, 096, 097, 098 and 201. These regulators are located from East 12th Street to Marquette Street and are generally north of St. Clair Avenue



## PROJECT BENEFITS

The improvements brought by the SCS project to the combined sewer system will greatly reduce the volume and frequency of wet weather CSOs to Lake Erie, thereby helping to improve Lake Erie water quality. The SCS project will reduce the annual frequency of overflows at 8 CSOs to two events (CSO 200) or three events (CSOs 093, 094, 095, 096, 097, 098 and 201) in a typical year and will reduce the annual volume of combined sewage released to Lake Erie by these 8 CSOs from 208.1 million gallons to about 5.4 million gallons in a typical year.

## CONSTRUCTION COST:

\$47 Million (Est.)

## STATUS:

Design started in November 2019

SCS Project Schedule						
	Year					
Project Phase	2019	2020	2021	2022	2023	2024
Design		■	■	■		
Bidding			■			
Construction				■	■	■