



Project:	CSO 075 Regulator Manhole Reconfiguration
Project Owner:	City of Syracuse
Project Location:	Intersection of Solar St and Hiawatha Blvd
Sewershed:	Hiawatha
CSO:	075
Technology:	Sewer Hydraulic Improvement
CSO Reduction:	1,800,000 gallons
Year Contracted:	2021
Construction Cost:	\$355,778.69
Prime Contractor:	DE Tarolli

FACT SHEET

CSO 075 Regulator Manhole Reconfiguration

Project Description: The CSO 075 Regulator Manhole Reconfiguration included modifications to the regulator manhole in the Hiawatha Blvd. and Solar St. intersection. Before construction, backwater flow from the Inner Harbor was entering the overflow line and flowing back over the CSO overflow weir during storm events, which caused flow monitoring issues and resulted in the conveyance and treatment of non-sewage water.

This project modified the existing trunk sewer by installing two new manholes, which improved the hydraulics of the sewer. A concrete weir was also installed in the new regulator manhole. Furthermore, an in-line backflow preventer on the outlet pipe to the Inner Harbor was installed as part of the project. These modifications reduced CSO volume, eliminated the issues with backwater flow, and will allow for accurate metering of CSO overflow volumes in the future. The project was completed in May of 2021.

Post-construction of the project, SWMM modeling indicates that CSO 075 will no longer discharge during the typical year, resulting in an annual reduction of 1.8 million gallons of CSO discharge into the Inner Harbor and Onondaga Lake.



LOCATION MAP
NOT TO SCALE

Project location for regulator manhole modifications for CSO 075



Photo showing the two new manholes in the intersection of Solar St and Hiawatha Blvd