



OLP GRANT AGREEMENT FOR SEWER SEPARATIONS AT COMBINED SEWER OVERFLOW (CSO) BASINS 045, 047, 048 AND 050

Project Description: Combined sewer overflows (CSOs) represents a significant health, environmental and aesthetic problem in many cities, especially older cities in the Eastern and Midwestern parts of the U.S. These overflows constitute direct discharges of untreated municipal sewage, mixed with varying amounts of storm water, to lakes and streams during periods of storm flow. The most significant health problem is that of possible disease from pathogenic organisms. Presently this risk is reduced in many locations by closing beaches following rainstorms. The environmental and aesthetic problems include floatables, suspended solids (SS) and oxygen-demanding materials. These types of pollution interfere with receiving-water biota, with the oxygen-demanding material creating the risk of destruction of fish and other aquatic organisms.

The CSOs listed in the Amended Consent Judgment (ACJ) are a significant source of contaminants to Onondaga Creek and Onondaga Lake, contributing combined sewer overflow to receiving waters on an average of 55 days per year. There are 66 CSO's within the Syracuse City limits. Forty-five of these CSO's discharge to Onondaga Creek, 19 CSO's discharge into Harbor Brook, and 2 CSO's discharge to Ley Creek. Onondaga County is obligated under the federal Amended Consent Judgment (ACJ) to eliminate or capture no less than 85% by volume of the combined sewage during precipitation events, eliminate floating substances in the lake attributable to CSOs, and achieve water quality standards for bacteria for that part of the lake designated Class-B for recreational contact including swimming



Sewer Separation Construction

The objective of this project is to separate and improve the existing combined sanitary and storm sewers in the locations of combined sewer overflow (CSO) Basins 045, 047, 048, & 050 in Syracuse, New York. Separation of these sewers will eliminate the discharge of untreated sewage to Onondaga Creek from these basins during precipitation events.

Location: The CSO basins identified under this project are located in the south-central portion of the City of Syracuse.

CSO Basin 045 encompasses 6.6 acres and generally includes Rich Street from Onondaga Creek to Hudson Avenue, Crescent Avenue from Cortland Avenue to Hudson Street and Hudson Street from Crescent Avenue to Onondaga Creek. CSO Basin 047 includes a portion of South Avenue from Onondaga Creek to West Kennedy Street. The 9.1 acre drainage basin to CSO 048 includes West Bissel Street and a portion of Bissel Street to the east of South Avenue. A portion of South Avenue between Onondaga Avenue and Onondaga Creek is also included. The drainage basin to CSO 050 is approximately 30 acres and includes Rockland Avenue, Parkway Drive, Shelbourne Place, Bellaire Place and Temple Place and portions of Bissel Street and South Avenue.



Map of CSO Basins

Project Sponsor: Onondaga County serves as the non-Federal sponsor of this Onondaga Lake Partnership project, and the U.S. Army Corps of Engineers serves as the Federal sponsor. Federal funding is provided through a U.S. Army Corps of Engineers grant to Onondaga County.

Current Status: Project status is as follows:

- Notice to Proceed was given to C.O. Falter Construction on May 9, 2006.
- CSO 047 - Separation and restoration work in this basin is complete.
- CSO 048 - Installation of new mainline sewers and street restoration along South Avenue and West Bissel St is now complete. Since there were no catch basins on East Bissel it was determined that there was no need to install a new sanitary sewer.
- CSO 050 – Construction in this basin is scheduled to begin in Spring 2007.