



Project:	Clinton CSO Storage
Project Owner:	Onondaga County
Project Location:	Trolley Lot, Syracuse
Sewershed:	Clinton/Lower MIS
Technology:	Storage Facility
Capacity:	6 million gallons
CSO Capture:	114 million gal/yr
# CSOs Abated:	9
Completion Date:	12/31/13
Contract amount:	\$70,640,000
Bid Date:	7/14/11
Prime Contractor:	Jett Industries

# FACT SHEET

## Clinton CSO Storage Facility

**Project Description:** The Clinton CSO Storage Facility Project is a 6 million gallon combined sewer overflow storage facility that will be constructed in the parking area between the elevated rail tracks and Onondaga Creek just south of the Armory Square area of downtown Syracuse (formerly known as the Trolley Lot). During wet weather events, the facility’s three, parallel 18-foot diameter, underground storage tunnels will capture flow from 9 combined sewer overflows (CSOs) in the vicinity of the former Trolley Lot. The wastewater will be stored in the tunnels until it can be conveyed via the main interceptor sewer to the Syracuse Metropolitan Sewage Treatment Plant (Metro) for treatment. The off-site conveyance piping, which will transmit the flow to the facility, was installed under the Clinton CSO Phase 1 and 2A conveyances projects completed in 2009. There will be additional on-site conveyance piping installed under this project to connect the existing sewers to the new facility. In addition to the tunnels there will be two above ground structures located at either end (east and west) of the parking lot which provide access to the tunnels and house the pumping, grit collection and odor control facilities.

**Green Components:** To further enhance the sustainability of the facility, the project includes green infrastructure components. The stormwater runoff from the entire site that measures approximately 275,000 square feet or 6.3 acres will be managed by green infrastructure. The stormwater from the area surrounding the main structure on the western half of the site will be collected by a series of catch basins and stormwater piping that will outfall into two bioretention basins. The bioretention basins will allow the stormwater to infiltrate into the ground rather than immediately runoff to the creek. In addition, stormwater runoff from the eastern half of the project site, to be restored as a parking area, will be directed to a subsurface collection facility and used to flush the storage tunnels to clear them of grit and debris that may have settled or been left behind after the stored combined sewage was transmitted to Metro. In addition, a green roof will be installed on the west building.

**Construction Update:** The contractor continued construction activities associated with the storage facility that will collect combined sewage from 9 downtown Syracuse CSOs during wet weather events. In January, February and March construction continued on the cast-in-basin interior walls, the valve vault, the West Chamber base slab, the East chamber stair towers and baffle walls, and the outfall chamber.





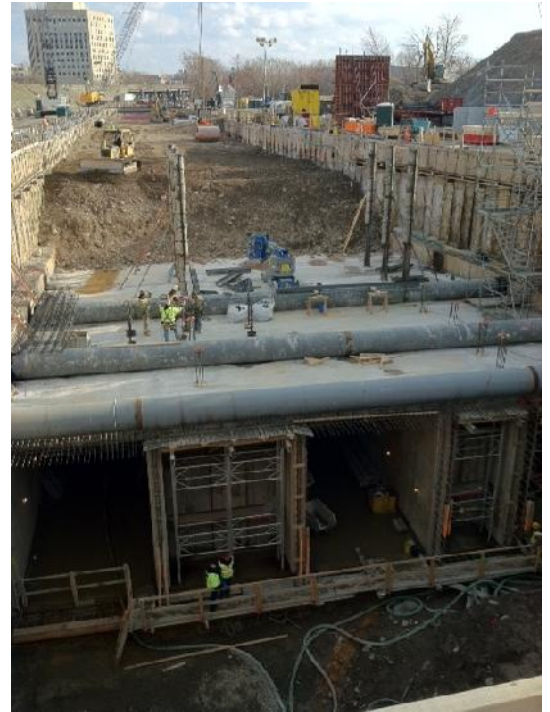
**Underground Storage  
Concrete Base under Construction  
(5 Stories below Surface)**



**Clinton CSO Storage Facility – Construction 1/25/12**



**Underground Storage Tank - Concrete Base under  
Construction  
(5 Stories below Surface)**



**Clinton CSO Storage Facility  
Construction  
Backfilling over the Tunnels  
(12/01/12)**

Version 4/1/2013