

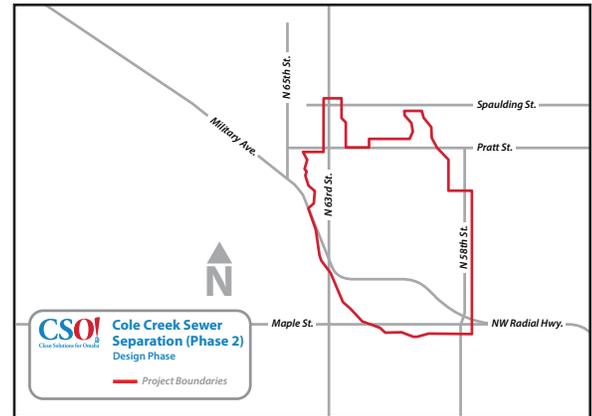
Cole Creek CSO 204

Sewer Separation Phase 2

The Cole Creek 204 Sewer Separation project is a multi-phase project located in a 522-acre basin referred to as Cole Creek CSO 204. It is bordered on the north by Brown St., on the east by 52nd St., on the south by Northwest Radial Highway, and on the west by Cole Creek.

Phase 2 preliminary design includes new sanitary sewer along 63rd St. from Spaulding to Bedford Streets. This sewer will connect to the sanitary sewer built under Phase 1 construction (2015-2016). Evans St., Pinkney St., Emmet St., and Bedford St. between 61st St. and 63rd St. will also have new sanitary sewer installed that connects to the 63rd St. sanitary system.

Specifically, Phase 2 currently includes approximately 5,200 linear feet (LF) of 8-inch diameter sanitary sewer and 2,100 LF of 10-inch diameter sanitary sewer to increase capacity and separate combined sewers on 63rd St. and side streets to the east. Storm sewer construction will primarily consist of re-routing inlets and addressing street flooding issues. Approximately 2,300 LF of 15–21-inch storm sewer will be constructed.



PROJECT BENEFITS

This project is Phase 2 of approximately six planned phases that will convert existing combined sewers to either storm or sanitary sewer while providing additional capacity with new sewers. It will ultimately result in reduced sewer backups into area homes and reductions in combined sewer overflow to Cole Creek.

CONSTRUCTION

The current design for Phase 2 construction includes:

- 1,900 LF of 12-inch and 15-inch diameter sanitary sewer required for sewer separation on 63rd St. between Spaulding St. and Bedford Ave.
- 800 LF of 8-inch and 12-inch sanitary sewer on 61st St. between Bedford Ave. to south of NW Radial Highway.
- 700 LF of 10-inch and 12-inch sanitary sewer along Evans St. between 61st St. and 63rd St.
- 200 LF of new 8-inch sanitary sewer constructed on Pratt St. to the east of 63rd St. to separate the combined sewer system.
- Approximately 1,200 LF of new 8-inch sanitary sewer from 61st St. to 63rd St. along Pinkney St.
- Emmet St. will have approximately 300 LF of new 8-inch sanitary sewer between 61st St. and 63rd St.
- 700 LF of new 12-inch sanitary sewer will be constructed between 61st St. and 63rd St. along Bedford Avenue.
- 300 LF of 8-inch sanitary sewer will be constructed from 61st St. into the St. James Manor Apartments, located at 3102 North 60th St. to enable sewer separation in the complex
- 200 LF of 8-inch sanitary sewer construction will be from an existing manhole near the Salvation Army building at 61st and NW Radial Hwy to a new manhole in 61st St.
- Storm sewer construction will primarily consist of re-routing existing inlets.



PROJECT SCHEDULE:

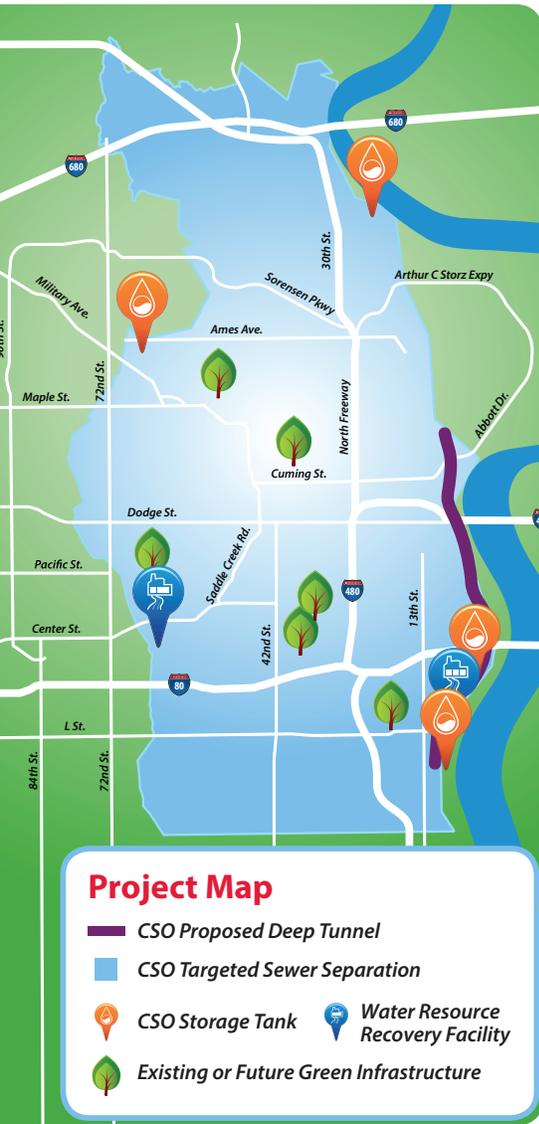
Preliminary and final design began September 2015 and continued into 2017. When escalating construction cost estimates and additional construction risks raised concerns about the current design concept, the project was placed on indefinite hold while other options are evaluated. The City/Program Management Team began design of Cole Creek CSO 204 Phase 3 to continue progress in this basin while the Phase 2 concept is re-evaluated.



PROJECT LOCATION:

Spaulding St. to Maple St., from 60th to 63rd St.

The project includes a new sanitary sewer along 63rd St. from Spaulding St. to Bedford Avenue and on 61st St. from Bedford Avenue to 40 feet south of NW Radial Hwy which will enable separation of the main combined sewer in the area. This sewer will connect to the new sanitary sewer built under Phase 1 construction (2015-2016).



Omaha's wastewater infrastructure includes a combined sewer system. This system collects rainwater runoff, domestic sewage and industrial wastewater into a pipe Conveyance system. In times of severe wet weather, the system has the potential to reach or exceed capacity causing backups or overflow to nearby streams, creeks and the Missouri River without treatment, causing potential risk to human health, wildlife and the environment. In 2006, in an effort to comply with Environmental Protection Agency and the Federal Clean Water Act (CWA) water quality requirements, the City of Omaha initiated the Clean Solutions for Omaha (CSO) Program to study, plan and update infrastructure to improve and ensure water quality in the community.

As a result, Omaha and its CSO Program are among more than 772 U.S. cities required by federal mandate to improve water quality in local rivers and streams.

IMPROVED WATER QUALITY HAS BENEFITS

Updating infrastructure dating back to the 1860s certainly creates significant challenges, but not without benefit. Aside from improving water quality for the community, projects offer opportunities for additional neighborhood enhancements including new streets, curbs, pedestrian ramps compliant with the American Disabilities Act and driveway approaches. New trees, plants and other green infrastructure features, such as bioswales, rain gardens or ponds for water retention add beauty and recreational features to some projects.

FUNDING THE PROGRAM

The CSO Program is primarily financed by 30-year revenue bonds issued in increments periodically, as approved by the Mayor and City Council. Sewer fees will be used to pay off the bonds—60% from residential customers, 30% from industrial and commercial users, and 10% from regional customers who use the City's sewer services.

RATEPAYER ASSISTANCE PROGRAM

Recognizing that increased sewer use fees may become a hardship for some residents, in 2011 the City took a proactive role to identify and implement a Ratepayer Assistance Plan to help low and fixed income households. Ratepayers are eligible if they qualify and receive Lower Income Heat and Energy Assistance Program (LIHEAP) benefits from other local utilities. The Ratepayer Assistance Program helps keep administrative costs to a minimum while providing the maximum benefit to those who need it. **For assistance or to apply for Nebraska LIHEAP, call 800-383-4278.**

JOB CREATION: LOCAL LABOR AND MATERIALS

The City and the CSO Program actively encourage local labor and the use of locally purchased or locally available materials. Through the City's Small and Emerging Small Business (SEB) Program, businesses of all sizes have the opportunity to bid or work on CSO Program contracts and projects. **For more information about Small and Emerging Small Business opportunities, call 402-444-5055.**



A City of Omaha Public Works Initiative
Report Street Flooding and Sewer Backups: **402-444-5332**
Contact the CSO Program Hotline: **402-341-0235**
Email: **Info@OmahaCSO.com**