

Nicholas Street Sewer Extension

Phase 3



PROJECT SCHEDULE:

- The Nicholas Street Sewer Extension Project is being constructed in two phases, Phases 3A and 3B. Phase 3B construction will take place in years 2021 through 2024. Metropolitan Utilities District replaced a large gas pipeline on the east side of the 16th Street corridor prior to Phase 3B construction. Other utilities were relocated in the 2020 and 2021 time period.
- Phase 3B construction began in Q4 2021, at the south proceeding north. The project is scheduled for substantial completion in 2024.

**COMPLETED DATE:**

- Phase 3A – Q3 2020



COST AT COMPLETION

- Phase 3A – \$1.4 million

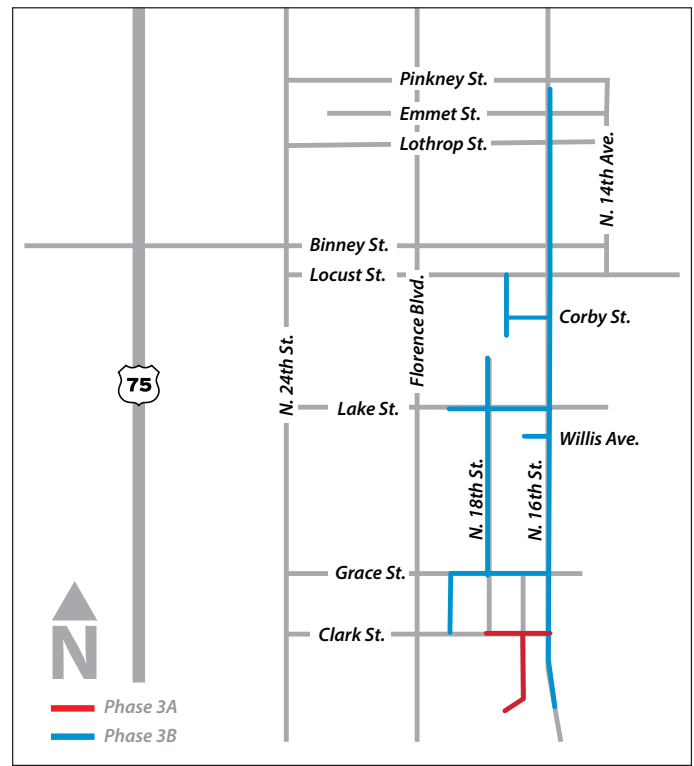


PROJECT LOCATION:

- In the Burt-Izard Basin, the project is bounded by Florence Blvd, Pinkney, 16th and Charles Streets.

The Nicholas Street Sewer Extension Phase 3B Project includes further extension of the storm trunk sewer from the Phase 2 junction structure at 16th & Charles to the north and west to serve additional areas in the Burt-lizard Basin. The project has been broken up into two separate projects – Phases 3A and 3B.

Phase 3A involved constructing a storm sewer pipe in 17th Street tied into the storm sewer constructed through Kellom Greenbelt in the Nicholas Phase 2 project. Additional pipes were constructed in Clark Street to pick up the 16th, 17th and 18th Street intersections. This initial project eliminated the possibility of street overtopping along 16th Street



and removed additional storm inlets on 16th Street that tie into the City's sanitary system, a system that has a history of surcharging.

Phase 3B includes the construction of 84-inch to 15-inch storm trunk sewer along 16th Street from just south of Charles to Pinkney Street. Additional storm sewers will be constructed in Corby Street, Lake Street, Grace Street, 18th Street and Florence Boulevard. All sewers will be constructed by open cut methods of construction. A new 12-inch sanitary sewer in 16th Street will replace an existing 8-inch sanitary sewer constructed in the 1880s. Additional sanitary sewers will be constructed in Willis Avenue and Corby Street.

This project will reduce the combined flows downstream of the project area and thereby reduce combined sewer overflows to the Missouri River. In addition, full pavement removal throughout the extent of the project will take place. Along 16th Street, the street pavement will be narrowed and provide bike lanes and parking. Restoration will include sidewalk replacement and ADA compliant ramps.

Improving Water Quality in Our River and Streams

In Omaha and about 800 other cities, combined sewer overflows are a major cause of water pollution. When it rains or snow melts, the water cannot soak into the ground and flows to the combined sewer system, which carries both stormwater and sewage.

If flows in the combined system become more than the pipes and the treatment facilities can handle, it overflows into the Missouri River and nearby streams. These overflows can contain animal waste, fertilizer runoff, untreated sewage and other pollutants, which impact water quality.

In 2006, the City of Omaha initiated **Clean Solutions for Omaha (CSO!)**, a program to develop and implement a plan that addresses combined sewer overflows and improves the water quality of our local waterways. Omaha is committed to meeting the unfunded, federal mandate to address such releases and has been recognized as a leader in managing stormwater and combined sewage.



How CSO! Work is Funded

The CSO! Program is financed using long-term bonds and funded through sewer use fees. Fees are necessary to fund the Program's federally mandated — but not federally funded — projects and improve the water quality in our river and streams. The sewer fee rate structure supports not only the CSO! Program but the operations, maintenance and necessary upgrades to the City's wastewater collection and treatment system.



Ratepayer Assistance is Available

While residents' future monthly sewer bill increases will be lower than previously projected, rate increases of any size can be a financial burden to some. A fund, established in 2011, is available to provide low-income residents with sewer use fee assistance. Assistance is available for households that qualify for the Low-Income Energy Assistance Program (LIHEAP), administered by Metropolitan Utility District and Omaha Public Power District.



Keeping Opportunities Local

CSO! construction projects provide opportunities for businesses and the use of local materials and labor. Through the Small Emerging Business (SEB) program, the City actively encourages businesses to bid and work on these projects. The SEB program also has a youth outreach component to share career opportunities with high school students.

Green Infrastructure

Natural and engineered systems mimic nature to manage urban stormwater and improve water quality to rivers and streams.



Elmwood Park Weirs



Fontenelle Park

Cost-Effective Solutions

New technologies, a better understanding of the system and better tools have allowed the Program to realize significant progress from projects to date, which have met requirements in a more efficient and cost-effective manner.



Treatment Facilities



Lift Stations

Targeted Sewer Separations

New pipes are installed to separate the stormwater from sanitary sewer pipes, releasing stormwater to the waterways and directing sanitary waste to the treatment plants.



Information line: 402-341-0235

OmahaCSO.com

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