

NORTH LEWIS BOULEVARD WATER MAIN – 1ST STREET TO 31ST STREET

SIoux CITY, IOWA



PROJECT DESCRIPTION

Working with the City, McClure developed a construction phasing and connection plan to allow for minimal water service disruption to customers during construction. McClure staff conducted individual meetings with affected businesses in order to understand impacts to their water service and access drives and incorporated these concerns into the design. McClure worked closely with the local Iowa DOT office during design to get their input on design decisions before the final plans were developed. McClure also evaluated different pipe sizes and recommended a 16" main, rather than the planned 24", saving on material costs while still improving system connectivity flows.

PROJECT HIGHLIGHTS:

- Existing water main along N. Lewis Blvd failed several times and repairs were difficult because of the location of the water main under the pavement
- A larger main was also needed to improve distribution flows and connectivity.
- Challenges included maintaining water services to existing customers during construction, project coordination with the Iowa DOT, impacts from several Leaking Underground Storage Tanks (LUST), and traffic control along the heavily traveled corridor

COMPLETION DATE

2015

REFERENCE

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