Grand Ave Pipe Replacement Case Study

Pipeline replacement. Safe excavation. Reliable execution.

At a glance

Charps replaced 200 feet of 24-inch mainline pipe, installed sheet piling for safe excavation, completed hydrotesting, and tied the new section into the existing pipeline as part of a coordinated replacement project.

Delivery Highlights

- SAFE EXCAVATION
- END-TO-END EXECUTION
- QUALITY WORKMANSHIP

CHALLENGES

Replacing an active mainline required careful planning to safely excavate the work area, install temporary support systems, complete hydrotesting, and tie the new pipeline into the existing system. Every phase required disciplined execution to maintain safety, quality, and schedule throughout construction.

SOLUTIONS

Charps managed the project from excavation through final tie-in using a structured approach to field execution and hydrotesting. By coordinating each phase of work, the team delivered the replacement safely and efficiently while maintaining clear communication with the client.

- Full-Scope Integration
- In-House Fabrication
- Safety First Culture

BENEFITS

1. **Safe Project Delivery**

   Sheet piling and disciplined field practices supported a safe and controlled excavation throughout the project.

2. **Reliable Pipeline Integration**

   Hydrotesting and final tie-ins verified the integrity of the new pipeline before it was returned to service.

3. **Coordinated Execution**

   Managing excavation, testing, and installation under one team streamlined project delivery and reduced complexity.

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PROJECT MANAGER PERSPECTIVE

"This project required careful coordination from excavation through final tie-in. By maintaining a disciplined approach to safety, communication, and execution, our team delivered a smooth pipeline replacement that met the client's expectations."