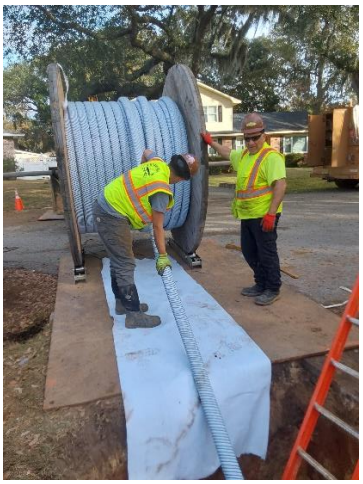
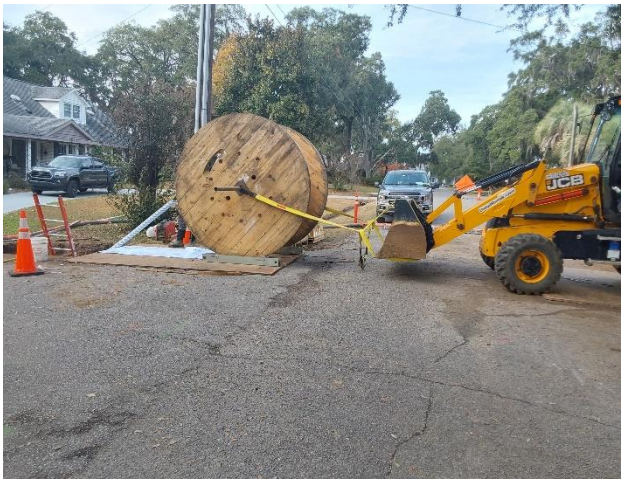
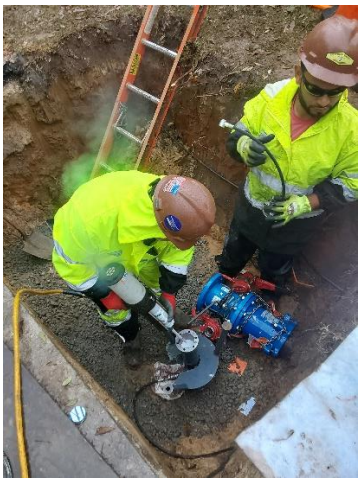
JOB REPORT



HURTES ISLAND DRIVE, CHARLESTON, SC
6” CAST IRON WATER MAIN REHABILITATION

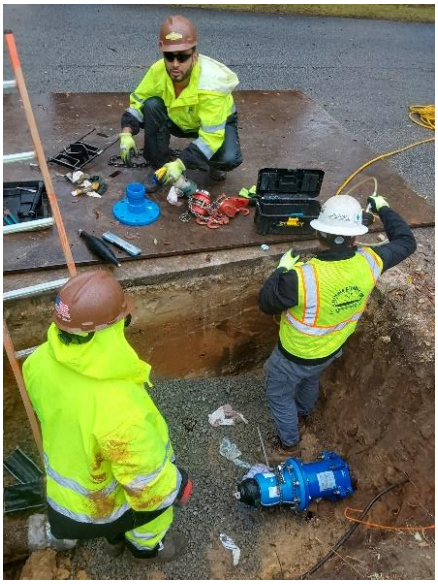
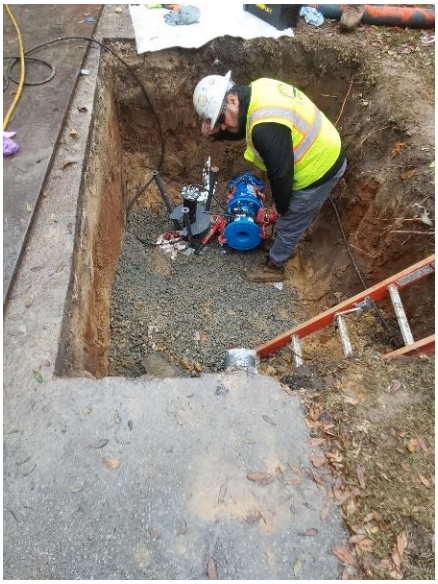
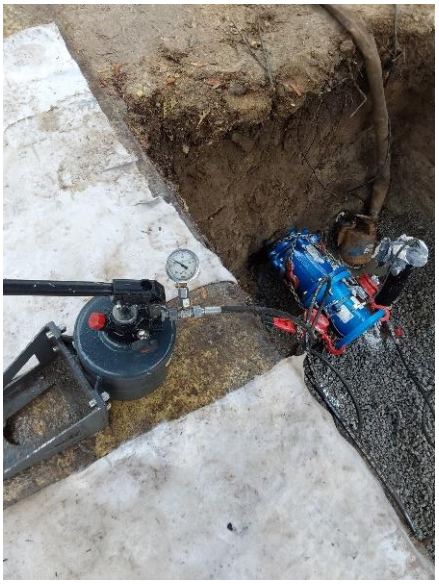
CLIENT:
Charleston Water System

YEAR OF CONSTRUCTION:
December 2024

TYPE OF CONSTRUCTION MEASURE:
Potable water main rehabilitation

OUR SERVICES:
- Engineering review and assessment
- Delivery of the Primus Line® system for installation

SITUATION:
The 6-inch cast iron water main was built in the mid-1970s and constructed with bell-and-socket connections. In 2024, multiple leaks were reported on a segment of the water main that spanned 820 linear feet along Hurtes Island Drive and flanked by marshy areas from the north and south, severely impacting the area residential water supply.
In late October 2024, Charleston Water System contracted J. Fletcher Creamer & Son, Inc. (Creamer) to rehabilitate the aging water main using the Primus Line® technology as the best long-term rehabilitation solution; requiring that all work must be completed before the Christmas Holidays.
The work scope also included installing two new fire hydrants, two new gate valves and a 42-foot section of 6” ductile iron pipe.

TECHNICAL DETAILS:

Material of Host Pipe:	Cast iron
Transported Fluid:	Potable water
Diameter of Host Pipe:	6 inches
Operating Pressure:	90 PSI
Primus Line® System:	6-inch low-pressure (ND) liner
Total Length:	820 feet
Number of Sections:	One
Installation Time:	Two days (cleaning, CCTV, installation and testing)

REHABILITATION SYSTEM:

- 6-inch low-pressure (ND) liner
- 6-inch R1 connectors

PROJECT DESCRIPTION:

The immediate availability of the Primus Line® technology within continental USA, backed by excellent logistics support, played a key role in having the materials delivered directly to the job site in South Carolina ahead of mobilizing Creamer's crew.

On December 10th, Creamer's crew started the excavations on both ends of the water main, to replace two old fire hydrants and install two new gate valves, then proceeded with installing 940 linear feet of 4-inch temporary by-pass.

On December 12th, and after two successful test samples of the bypass, the crew isolated the water main and proceeded with cutting the pipe, cleaning and CCTV inspection followed by liner and connectors installation.

Successful pressure test of the Primus Line® installation, pipeline integration, chlorination and samples testing were completed the next day.

On December 14th, Creamer's crew removed the bypass, completed road and grass area restorations and mobilized out of the job site, marking yet another successful and long-lasting rehabilitation with Primus Line®.

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Primus Line explained simply:
Watch the video!