



Project Profile

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Meridian, ID Chooses Pipe Bursting with Fusible C-900® Pipe to Reduce Waterline Replacement Costs

When the rapidly growing city of Meridian, Idaho needed to replace and upgrade the waterlines under Broadway Avenue, it sought to minimize the inconvenience to its citizens and reduce the construction costs. The City's design firm for the project, Civil Survey Consultants, evaluated both open trench and static pipe bursting rehabilitation methods. The trenchless installation technique of "pipe bursting" was expected to reduce costs by 20% and allow residents better access to their homes than the traditional dig-and-replace method.

In September 2010, Cascade Pipeline Construction was awarded the pipe bursting project option and contracted with Underground Solutions, Inc. (UGSI) to provide UGSI's Fusible C-900® PVC pipe for the Broadway Avenue Sewer and Water Replacement Project. The City of Meridian completed two other projects with Fusible PVC™ pipe in 2010, that accounted for a total of 3,000 LF installed.

John McNatt, President of Cascade Pipeline Corporation, said: "This was a very challenging project that upsized old 4" cast iron pipe to 8" Fusible C-900® pipe in an area crowded with existing utilities. UGSI assisted us in successfully completing the project with a minimum amount of disruption for the residents."

Pipeline Details and Project Summary

Project:	Broadway Avenue Sewer and Water Replacement
Location:	Meridian, ID
General Contractor:	Cascade Pipeline Corporation
Length:	1,800 LF
Pipe size:	8" DR18 Fusible C-900®
Pressure Test:	2 hours at 150 PSI
Installation:	Static Pipe Burst
UGSI Contact:	Cal Ogle (208)304-4844 (cogle@undergroundsolutions.com)

Corey Peacock, Project Engineer for Civil Survey, added: "Fusible C-900® pipe was a good choice for Meridian since the majority of its water system is bell-and-spigot PVC, so fittings are interchangeable. Bursting was considered to be a less invasive construction method that would allow the residents to have better access to their homes during construction."



Underground Solutions, Inc. (UGSI) provides infrastructure technologies for water/wastewater applications. UGSI's Fusible PVC™ products, including **Fusible C-900®**, **Fusible C-905®** and **FPVC®**, contain a proprietary PVC formulation that, when combined with UGSI's patented fusion process, results in a monolithic, fully-restrained, gasket-free, leak-free piping system. UGSI's **Duraliner™** is a patented, close-fit pipeline renewal system creating a stand-alone structural liner.