



HDPE pipe enables the Region of Ottawa-Carleton to save time and money

High density polyethylene (HDPE) pipe enabled the Region of Ottawa–Carleton to save time and money during the restoration of a deteriorating 915 mm (36-inch) diameter cast iron water main.

During the summer of 1999, the 82-year-old cast iron water main under Gloucester Street (one of the busiest streets in downtown Ottawa) was sliplined with HDPE pipe, instead of using traditional open-cut construction.

HDPE pipe was the choice for its superior abrasion resistance and flexibility to negotiate minor bends during the trenchless sliplining installation. The water main rehabilitation project utilized approximately 1,500 meters of 33-inch pipe. The pipe was grouted in-place and is expected to have a service life in excess of 50 years, based on a study performed by National Research Council of Canada.

Source: KWH pipe
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