

# Project Impactor: On Location

On Line Pipe Replacement in Minot, North Dakota



**T**en degrees below zero and snow everywhere. Not the kind of place that you want to spend a day setting up to burst 215 feet of pipe the next day.

Enter the Rotary Impactor and a D33X44, on-line pipe bursting system. Setting up: 30 minutes. Boring out to the manhole: 30 minutes. Bursting the old pipe and pulling in the new: 44 minutes. Manhole extraction of the Impactor: 33 minutes. Equipment teardown: It's over when it's over...

"You guys set up and did a pull complete in one day, with sub-zero temps and 1 foot of snow." said Russ Gohl owner of Earth Movers, "You would probably have gotten another burst done if there was better weather. In the past we set up one day and burst the next."

So far, that about sums up the Impactor experience.

### Project Details

Contractors	Earth Movers
Date	December 6, 2001
Project	Sanitary sewer main replacement, Minot, North Dakota
Specifications	215' of 8" concrete replaced with 200 mm HDPE
Equipment	8" Rotary Impactor and Vermeer® Navigator® D33x44 Horizontal Directional Drill
Production Rate	Total burst time excluding rod changes; 17 minutes, including rod changes, 44 minutes.



**Bottom left:** New pipe being pulled in behind the Impactor. **Top right:** Jon Markel, Vermeer North Dakota, drilling out to the pipe entry point. **Bottom right:** The Rotary Impactor being extracted from the exit manhole.



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