Water and Environmental Programs Engineering Success Stories

State:	Iowa
Borrower Name:	Rathbun Regional Water Association City of Exline
Engineering Firm:	McClure Engineering Company
RD Contact:	James Carroll, P.E., State Engineer, (515)284-4136
Congressional Information:	Congressman Leonard Boswell
Counties:	Southeast Iowa
Keywords:	Directional Boring

Directional Boring of Conventional Sanitary Sewer Gravity Lines

Description:

Sanitary sewer construction costs for very small towns.

Solution:

We have used directional boring on water main projects for the past five years. Why not on sanitary sewer lines? We first tried directional boring on a gravity line through a deep cut, through a hill. We then tried directional boring on conventional gravity lines with slopes down to 0.5%. This has worked very well. We check the grade at all service line connections.