



**LOGAN**  
Today's Clay Pipe

# Project Profile

## Overflow Sewer Prevents System Back-Ups



*Clay pipes, properly installed, will last longer than any alternative material.*

-- Robert Seleen  
City of Milwaukee

### Location:

Milwaukee, WI

### Contractor:

Globe Contractors, Inc /  
Bore Master, Inc.

### Design Firm:

Clark Dietz, Inc.

### Ground Conditions:

Clay suitable for PTM

### Installation Method:

Pilot Tube Method  
of Guided Boring

### Equipment:

Akkerman 240A  
Guided Boring Machine

### Pipe:

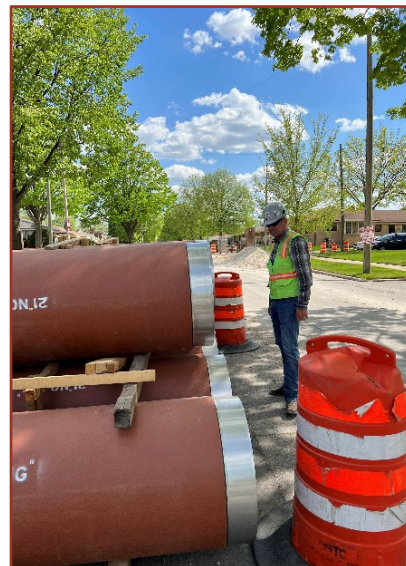
21" ID NO-DIG®  
Vitrified Clay Jacking Pipe

### Total Length:

1,900 linear feet

### Longest Drive:

435 ft.



### Project Overview

The residents in the area were experiencing frequent basement backups during large rainfall events. Clark Dietz, Inc. identified the installation of an overflow sewer as the best option. It would reduce the hydraulic grade line, create greater capacity in the area, and minimize the probability of basement backups.

### Challenges

- A crowded urban setting
- A canopy of mature trees
- A design depth of 15 - 25 feet
- Design slope of less than 1% due to tie-in elevations

### Solution

The Pilot Tube Method of Guided Boring (PTM) is the best solution for any project requiring this level of precision. Trenchless installation was an especially attractive option for the project as the nature of an overflow sewer meant no laterals or extra connections were needed.

### Results

The project was completed on time and under budget! "There were no complaints from the public during the installation," according to Robert Seleen, Notice 27-2022 New Sanitary Sewer and Sanitary Relay for the City of Milwaukee.