

# CONCRETE PIPE – Project Profile #2

## Wal-Mart

New Ulm, MN

### Installation

Wal-Mart retail store  
New Ulm, MN

### Designer

Olsson Associates  
Minneapolis, MN

### Utility Contractor

Mathiowetz Construction  
Leavenworth, MN

### Project Completion Date

2006



### Project Description

- New retail store
- Concrete pipe quantities: 1,676 l.f.
- Pipe diameter range: 12" – 36"
- Pre-cast concrete manhole structures: 27

### Why Concrete Pipe?

This Wal-Mart project utilized reinforced concrete pipe for two key reasons:

1. Unlike flexible pipe systems, concrete pipe could safely utilize this project's existing site soil as backfill material because it doesn't require special backfill to meet in-place strength requirements.

Imported fill is expensive, significantly increasing the cost of a flexible pipe installation.

2. Project management was concerned that construction traffic would be harmful to recently-installed storm sewer pipe.

Concrete pipe alleviated this concern because its un-matched strength is best at handling site construction traffic, even when minimal backfill heights are the norm.