

MCES – South Washington County Interceptor, Minnesota

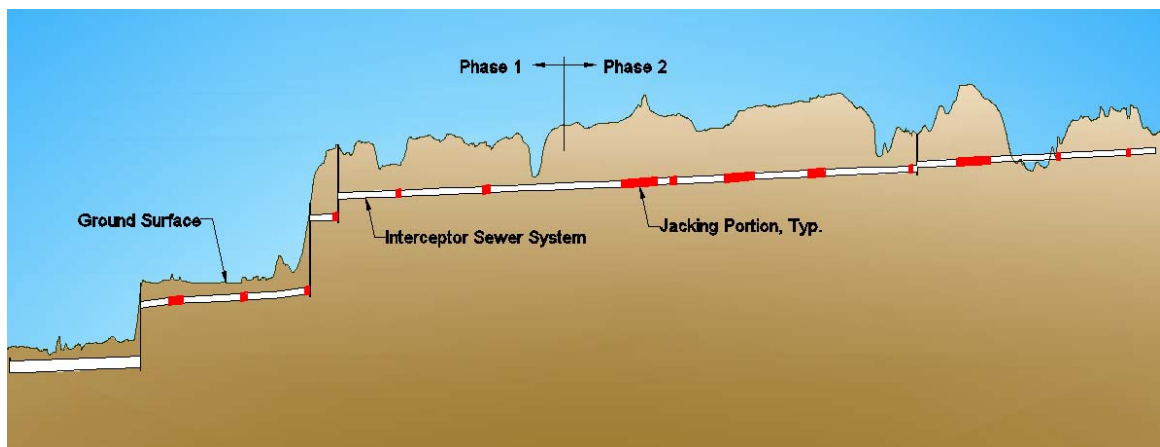
This project consists of a 7.5 mile interceptor sewer system that includes 14 tunnels. It was constructed under two construction phases through the cities of Cottage Grove and Woodbury, Minnesota. The tunnels lie in both glacial outwash sands and St. Peter sandstone bedrock. CNA's work on the first phase included the design of six 54" tunnels with a total length of 1633 feet. The second phase included the design of six 54" tunnels and two 48" tunnels with a total length of 4726 feet. CNA's duties included the following:

Design Phase

- Geotechnical exploration program, data report and tunnel baseline report
- Conceptual design
- Structural design
- Evaluation of tunneling methods
- Geotechnical analysis
- Contract document preparation for tunneling

Construction Phase

- Construction observation and coordination
- Construction engineering and project administration
- Geotechnical Instrumentation analysis and coordination of observations



Owner — Metropolitan Council Environmental Services

Completion Date – 2004

Construction Cost – \$24.5 million

CNA
Consulting
Engineers

2800 University Ave. SE
Minneapolis, MN 55414
Ph: (612) 379-8805
Fax: (612) 379-8160
E-mail: bkn@cnaengineers.com