

# Evanston Relief Sewer Project, 6A

Evanston, Illinois

Evanston Relief Sewer Project, Phase 6, Contract A



**DATE OF COMPELTION**  
December 2001

**VALUE OF CONTRACT**  
\$18,970,440

**OWNER**  
City of Evanston, IL

**ENGINEER**  
Harza Environmental Services



## Project Description

**TUNNEL DIMENSIONS**  
4,400' x 142"

**EXCAVATION METHOD**  
142" Lovat 142 TBM

**GEOLOGY**  
Soft ground, stiff silty clay,  
numerous boulders

**TUNNEL INITIAL SUPPORT**  
Steel ribs & lagging

**TUNNEL FINAL LINING**  
108" cast-in-place concrete pipe

### SHAFTS

- 70' dia x 70' deep
- 17'6" dia x 200' deep
- 16' dia x 71' deep
- 16' dia x 58' deep
- 25' dia x 67' deep

### STRUCTURES

Five shallow drop structures  
Outfall structure  
Deep Drop Structure  
Connection Structure

### MISC. WORK

3000 ft of 10"-54" dia open-cut  
4000 ft of 6"-12" water mains

