

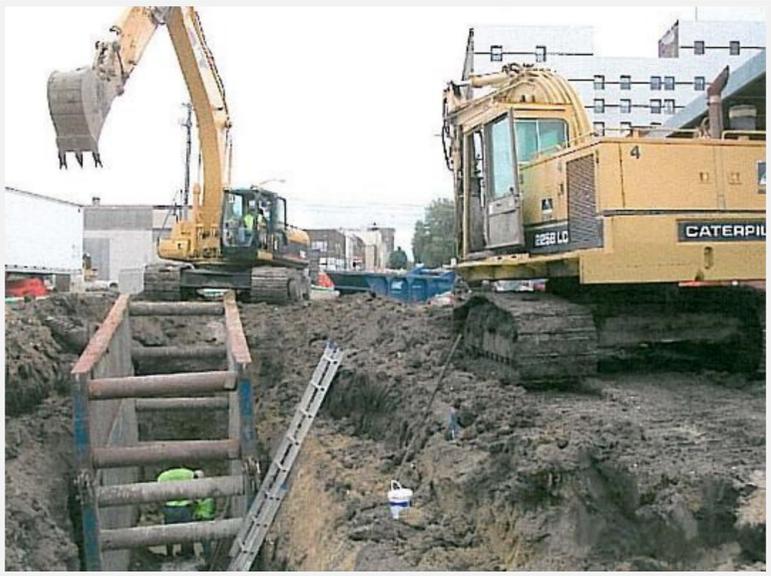
Open Cut Construction

Open Cut will be considered for the "Base Case"



Factors to Consider:

- ◆ Amount of excavation and backfill (depth of pipe)
- ◆ Conflicts with other utilities
- ◆ Amount, extent, and type of surface restoration
- ◆ Length, diameter, and cost of pipe materials
- ◆ Geotechnical conditions
 - ◆ Rock
 - ◆ Groundwater
 - ◆ Soft soils
 - ◆ Hazardous materials
- ◆ Potential risks to construction
- ◆ Temporary construction measures required:
 - Bypass pumping existing sewer flows
 - Impacts to surrounding properties
 - Traffic control
 - Construction site safety



Flat Branch Watershed Relief Sewers

*Project #3: Elm Street, Providence Road to Hitt Street
Sixth Street, Elm Street to North of Cherry*

