

# SEWER SYSTEM EVALUATION

## OBJECTIVE: IMPROVE THE CAPACITY OF MUNICIPAL SEWER SYSTEMS

### PROVEN CORRECTION PROGRAM HELPS MUNICIPALITIES NATIONWIDE

Our sewer system evaluation experts have helped hundreds of municipalities and industries across the country meet EPA regulations. Working under the direction of the consulting engineer, we can handle all or any part of your sewer correction program, from beginning analysis through the rehabilitation of the entire system.

#### A typical sewer system evaluation survey includes:

- Infiltration/inflow analysis
- Continuous flow monitoring
- Isolation flow gauging
- Manhole inspection
- Rainfall simulation - dyed water flooding & smoke testing
- Building inspections for illegal connections
- Rehabilitation analysis of manholes & mainline defects
- Stormwater sampling, analysis and data collection for NPDES
- Stormwater permit application

#### Comprehensive sewer studies pinpoint cause

Our engineers first determine the cause and quantity of infiltration/inflow by the collection and analysis of pertinent sewer system data. We gather information on sewage flows, water consumption, population and relationship of storm sewers to sanitary sewers, plus the age, type and condition of sewers.

#### Developing a plan of action

If our study reveals excessive infiltration/inflow, we develop a plan of action for a systematic sewer system evaluation survey. The exact tasks, scheduling and cost-effectiveness analysis of various survey and rehabilitation alternatives are prepared in detail for you.

#### Detailed reports let you preserve data

As part of the survey, all field data are recorded on standard forms. Results of work performed are submitted in a computerized report, containing flow vector diagrams, flow tabulations, sewer plans showing locations of key manholes and other applicable information.

**Excessive infiltration/inflow can cause serious problems** for many municipal sanitary sewage systems by diminishing the system's capacity to properly handle and treat legitimate sewage. Municipal costs will increase. Power costs mount. Diluted sewage can overflow. Raw sewage can back up into basements.

