Sewer System Diagnosis and Analysis using the Aqua Zoom Camera

Service Description
- Designed for inspection of sanitary, storm, combined or industrial sewers.
- Inspection of physical and structural conditions of manholes and pipes.
- Identification of remedial actions required in order of priority.
- Report presentation.

Technical Description
- The camera is lowered into the manhole using a telescopic boom.
- The lens allows images to be recorded up to 35 meters (115 feet) away from manholes, depending on pipe diameter.
- Specially designed lighting is controlled from inside the truck.
- The camera is waterproof and multi-directional.
- The Aqua Zoom unit is equipped with a control centre and a mini-recording studio.
- Our evaluation and report can be prepared in accordance with various standards (CERIU-NASSCO PACP/MACP, WRc, and NASSCO PACP/MACP).

Advantages
- Identifies sections needing cleaning (approximately 30% of the system on average).
- Identifies and prioritizes sections requiring inspection with an in-line camera (approximately 25% of the system in average).
- An inspection using the Aqua Zoom camera typically costs approximately 25% of an in-line camera inspection.
- Identifies 80% of system deficiencies.
- Cleaning is not required prior to inspection.
- First step in establishing cleaning frequency.
- Manhole entry is unnecessary.
- The system can be adapted to various field conditions.
Sewer System Diagnosis and Analysis Report

Service Description

- Analysis using the aquaGEO software.
- Digitizing paper plans and integration into the database.
- Plans are updated following field inspections.

Video Recording

- Superior quality colour images.
- Inspections recorded on CD or DVD.
- On-screen technical data.

Sewer Lines

- Plans of system deficiencies recommending further in-line camera inspection.
- Plan showing cleaning priorities.
- Recommendations for cleaning.
- Photos of major deficiencies (collapsed pipes, infiltration, misaligned joints).
- Budget estimates for cleaning and in-line camera inspection.
- Summary of conditions encountered.
- Detailed record for each inspection.

Manholes

- Plans showing manhole rehabilitation priorities.
- List of deficiencies.
- Overview of physical and structural condition of manholes.
- Detailed record for each manhole inspection.