

Wastewater System Geospatial Locations



Know Where Your System is Located

Michels offers an accurate alternative to traditional GIS mapping of wastewater systems consisting of the overlay of an as-built sewer map onto a GIS template. As identification of the mainline, utility manhole and sewer locations can often be inaccurate, the results we provide are suitable for exact engineering designs.

Depth and GIS Position: By combining a live digital CCTV inspection with available multi-frequency sonde location plus Michels GIS with Real Time Correction, we ensure accuracy to specifically know where your utility manholes, mainlines and laterals are located.

Depths of the pipes and structures are recorded to within the inch diameter of the pipe while the X, Y and Z GIS axes can be determined to within sub-inch accuracy.

Accurate GIS Mapping: Information is uploaded to the Michels GIS network as it is collected in the field. From there, our team of GIS experts process the data and make available a downloadable shape file that can be immediately uploaded into any GIS system. Real-time progress is available through our online GIS portal.

Quality Information with Easy Access: The digital videos, observation reports and pictures are combined with the depth of GIS information into one deliverable that creates a single point of access for all of your sanitary and storm sewer data.

GIS-related services:

- Lateral Inspections – Combination Mainline and Lateral Evaluation Television Systems (LETS) allow for PACP-certified inspections with one vehicle
- Manhole Inspections – MACP-certified condition assessment of manholes condition
- Wastewater Cleaning – Save time, water and money by using recycled wastewater to clean sewers

Geospatial information:

- Watermain Design – EPA-regulated sewer/water separation projects
- Post-construction pipe location
- Emergency dig location
- Utility location
- Sewer asset management

Michels GIS advantages:

- Seamless integration with current GIS system
- Improved data retrieval and recovery
- Simple CAD conversion