



Water Main Flushing & Fire Hydrant Flow Testing

Water Conservation Specialists
Established 1979

Leak Surveys • Leak Pinpointing • Utility Location • Hydrant Flow Testing • Water Main Flushing
Valve Assessment Programs • GPS-GIS Mapping Surveys • Location Equipment Sales and Expert Training

Water Main Flushing Programs:

Annual hydrant testing and water main flushing programs improve water quality, uncover potential problems, save lives and property.

Benefits of a Pro-Active Water Main Flushing Program:

- Ensuring that the hydrant valves are working properly.
- Removes accumulated sediment from the system.
- Helps to maintain effective chlorine disinfection levels.
- Improves water quality by eliminating taste and odor problems.
- Increased water safety by controlling bacterial growth.
- GPS Hydrant Location in CAM profile GPS coordinates with sub-foot accuracy compatible with ESRI ArcGIS software



Unidirectional Water Main / Hydrant Flushing



Hose Monster unidirectional flow testing, shown with optional de-chlorination system

Fire Hydrant Pressure and Flow Testing:

Hydrant flushing also provides the opportunity to check the volume of water as well as pressure that is available at each hydrant. The hydrant's mechanical operation is also checked to ensure it will be in working order when needed means no guesswork for Fire Fighters.

Fire Fighters depend on properly working hydrants with adequate pressure and water flow. A stuck or poor flowing hydrant could literally make the difference between life and death in an emergency.

The condition of each hydrant is also used for reporting for the Insurance Service Organization (ISO), which rates municipalities' abilities to service fire calls. Homeowner insurance rates are calculated based upon the ISO rating.

- Hydrants are properly exercised and accurately tested to National Fire Protection Assn. standards.
- Hydrants can be located to sub-meter and sub-foot accuracy with our Magellen GPS System
- **ATS** digitally documents hydrant function, flow capability and test data with Track One software



Magellen Mobile Mapper CX
GPS / GIS – Survey grade accuracy



Free On-Site Consultation
Services for Municipalities

ASSOCIATED TECHNICAL SERVICES LTD.
524 W. Saint Charles Rd, Villa Park, IL 60181

24 Hour Hot-Line: 630.834.1558
www.ATSLimited.com

*Services available across town
or across the country*



Pitotless nozzle for precise flow rate
measurement from 48 – 1,602 GPM



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Improve Water Quality and Uncover Potential Problems

Water Main Flushing Programs:

- Ensure that the valves are working properly.
- Remove accumulated sediment from the system.
- Increase water safety and maintain effective chlorine levels.
- Improve water quality.
- GPS Hydrant Location in CAM profile GPS coordinates with sub-foot accuracy.

Fire Hydrant Pressure & Flow Testing:

- Check the volume of water flow at the hydrant.
- Measure the water pressure at each hydrant.
- Ensure your hydrant's are in tip top working order when needed.
- Better protect the lives of your residents and their property.
- Improve your ISO fire insurance rating.

ASSOCIATED TECHNICAL SERVICES Ltd.

24-Hour Hot Line: 630 834-1558 • E-Mail: info@ATSLimited.com

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