



Water Main & Fire Hydrant Flow Testing Programs



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:

- Improves water quality by eliminating taste and odor problems.
- Removes accumulated sediment from the system.
- Helps to maintain effective chlorine disinfection levels.
- Increased water safety by controlling bacterial growth.
- Helps ensure that hydrants and valves are working properly.



Unidirectional Water Main / Hydrant Flushing



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

Fire Hydrant Pressure and Flow Testing:

Fire fighters and citizens depend on properly working hydrants with adequate pressure and water flow. An underperforming hydrant could literally mean the difference between life and death in an emergency.

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.

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 are located with sub-meter accuracy with our Juniper & Trimble GNSS Receivers.
- Digitally document hydrant function, flow capability, & test data for your records.



Juniper Geode & Trimble R1
Sub-Meter Grade GPS Location Equipment



Free On-Site Consultation
Services for Municipalities

ASSOCIATED TECHNICAL SERVICES LTD.
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or across the country*



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