



Fire Sprinkler Systems Required Inspections

These items must be completed prior to request for each inspection.

Underground Piping

- Minimum cover is 36".
- Thrust block forms in place (if required).
- All piping complete.
- Pipe bedded on compacted earth.
- Clean backfill on site.

Underground Hydrostatic Test

- Hydro test – 200 PSI – 2 hour test.
- Building Official must be present at beginning of test and will follow up within 2 hours.
- Ambient temperature must be greater than 40 degrees Fahrenheit or system will fail inspection.
- Test gauge shall be rated at 400 psi maximum and listed for use with sprinkler systems.

Underground Flush Test

(At completion of test – submit completed Contractors material and test certificate)

- Have piping ready to safely discharge without causing nuisance for adjoining properties and road ways.
- Minimum outlet size is 4" pipe or wye/Siamese with two 2 ½ inch hoses.
- Must discharge through burlap sack(s) and must be free of debris to pass inspection.

*Note: if interior piping system is tied into underground piping prior to AHJ approved flush test all mains and drops will have to be flowed or **all interior piping replaced**.*

Interior Piping – Wet/Dry System

(At completion of test – submit completed Contractors material and test certificates)

- Have all piping and hangers completed.
- Have 200 PSI or 50 PSI above working pressure whichever is greater on piping system.
- Test gauge shall be rated at 400 PSI maximum and listed for use with sprinkler systems.
- Ambient temperature must be greater than 40 degrees Fahrenheit or system will fail inspection.

Interior Piping – Dry System (24-hour Test)

- Have 40 PSI or greater on dry system.
- Schedule follow up inspection for 24 hours later.
- If air test is passed, 60 second flow test will be performed at this time.
- Perform 30 minute air build up test.

Final – Wet System

- System is ready to go into operation.
- Sprinkler room is labeled 4" high lettering.
- Fire department connection labeled.
- Fire alarm panel is operational. (Will be tested and must pass final inspection)
- Spare heads and tools are in place.
- Have responsible party on site to perform main drain test, inspectors test and flow tests.
- Calculations plate installed.

Please call (540) 994-8615 if you have any questions.