

Township of West Goshen Fire Marshal's Office

Residential Sprinklers Plan Submission And Inspection Requirements

Required information on the Plans

- Site location
- Static water pressure at the water supply
- Description of water service line, including pipe material and diameter
- Location and Size of the water meter
- Hydraulic calculations
- Scaled drawings
- Type of pipe material used for sprinklers
- Details about each type of sprinkler used, including manufacturer, model number, temperature rating, K factor and manufacturer's spacing requirements

Sprinkler Plan Details

- A block identifying the pipe material, total number of sprinklers, and static pressure at water supply.
- Detail illustrating the bracing and mounting methods for each type of sprinkler
- Riser details
- Identification of remote sprinkler which is the hydraulically most remote on the plans
- Dimension lines for plan review to document the correct distances were used in the calculations
- Floor plan showing all exterior and interior walls so the sprinkler coverage can be reviewed

Manufacturer Information

All relevant manufacturers' information should be submitted along with the plans and calculations

- Data sheets for sprinklers, pipe, and fittings to confirm the items are listed for residential sprinklers.
- Manufacturer's instructions to include installation instructions such as spacing, support, bracing and related information needed to install the items in compliance with the IRC Section P2904 or NFPA 13D.

Required Inspections

- **Pre-concealment Inspection**
- **Final Inspection**
- **Flow Test (Bucket Test)**