



Community Development Department
3600 Kirchoff Road
Rolling Meadows, IL 60008
847-506-6030 www.cityrm.org

Fire Sprinkler Plan Review Submittal Requirements

For inspections please call:

**Fire Safety Consultants, Inc.
2420 Alft Lane – B100
Elgin, IL 60124
847-697-1300**

In order to perform a thorough Fire Sprinkler System Plan Review a minimum of four (4) copies of the following specifications, drawings and details must be submitted along with a completed City of Rolling Meadows permit application.

- Complete signed and wet-sealed plans, hydraulic calculations and specifications for the fire sprinkler system and related equipment.
- Details and plans shall be drawn to scale with sufficient clarity, details and dimensions to show the nature and extent of the work proposed.
- Each building in a multi-building development shall be a completely separate submittal.
- Descriptions and locations of all rooms and uses within the building.
- Occupancy and commodity classifications and storage arrangements.
- Design details in accordance with the appropriate reference standard (i.e. 1999 NFPA 13, 13 D, 13R) as referenced by the 2003 International Building Code as amended by the City.
- Design calculations, sprinkler summary sheet and water supply graphs indicating the discharge requirements of each system and evaluation of the arrangement and source of the water supply.
- Available water supply shall exceed the system demand by 10 psi minimum.
- Provide documentation indicating a successful flushing of the underground lead-in.
- Site plan drawn to scale showing the underground main and feeder details, location of tap into main and location of flow test hydrants. Static and flow hydrants shall be properly labeled.
- Complete results of a current flow test (dated within 12 months) indicating the location and date of the test and the names of the personnel involved in conducting the test. Test shall be conducted by the Fire Department or the Public Works Department. Results shall be submitted on a form approved by the City.
- Working shop drawings indicating all pipe sizes and the spacing between branch lines and sprinklers on the branch line. All hydraulic calculation reference points or nodes shall be shown and labeled.
- Material and equipment specifications and catalog cut sheets, with the appropriate item(s) highlighted. All materials used should be verified that they are installed in accordance with their listing.
- A backflow preventer assembly is required in accordance with Illinois Plumbing Code 890.1130(d)(2).