

## **VILLAGE OF ELK GROVE VILLAGE SPRINKLER SYSTEM PLAN SUBMITTAL CHECKLIST**

This checklist is an effort to help provide a uniform approach for the design community and to provide owners and sprinkler system designers with complete sprinkler system design and submittal package requirements. By including all of the necessary information requested it is the intent of this document to provide efficient and appropriate turnaround of the plans submitted.

Please note the following important information regarding the installation, renovation, addition, and/or maintenance of any sprinkler system:

- It is the responsibility of the installer/designer to assure that all applicable Code requirements are followed. (Review the [Village Code](#) to find the current standards.)
- No installation work shall be performed until the plans have been reviewed and approved.
- Plan reviews are completed within 5-10 business days.

### **CHECKLIST** (All plans submitted must contain the following)

- Proof of Contractor's license to be able to work within the Village limits.
- Must be licensed to install Sprinkler Systems with the Illinois Office of the State Fire Marshal.

### **SPRINKLER SYSTEM DRAWINGS**

- The scaled drawings need to be clear, legible and understandable. They must be of a sprinkler system design only and must include the following:
  - Title block to include the following information: Property name and address, Sprinkler company name/Contractor name, address and phone number, date of drawing with space for revision dates, classification of the system per NFPA 13, who drew the drawing, and a detailed scope of work.
  - All hydraulic node points shall be shown clearly on the drawing.
  - The specific type and quantity of sprinklers shall be provided on every page.
  - All ceiling information including soffits, heights, construction type, slope, etc. shall be shown and noted with cross section detailed on the plans.
  - Specific code sections and storage information shall be provided for all design densities over an Ordinary Group II.
  - Provide a scaled site plan clearly showing the building fire department connection location and fire hydrant locations.

### **CALCULATIONS**

- Hydraulic calculations shall clearly show the friction loss for the backflow preventer and include a graph curve sheet.
- Fire hydrant flow test information shall be dated and less than one (1) year old.



## **SPECIFICATION SHEETS**

*Please provide cut sheets for all devices installed.*

- All sprinklers, valves, etc. shall be included on the cut sheets.

## **ROUGH INSPECTION**

A rough inspection of all sprinkler piping shall be done by the Village of Elk Grove Village Inspectional Services Division prior to the installation of drywall and/or ceiling materials.

## **TESTS**

A flush of the underground water mains must be made prior to the connection to the sprinkler system. All tests must be witnessed by the Village of Elk Grove Village Inspectional Services Division.

All underground and overhead systems and piping should be hydrostatically tested with water at not less than 200 psi for two hours. This test must be witnessed by the Village of Elk Grove Village Inspectional Services Division.

When the system is complete a 2 inch main drain test must be completed and must be witnessed by the Village of Elk Grove Village Inspectional Services Division.

When the system is completed a wet system inspectors test must be completed and the inspectors test report must be provided to the Village of Elk Grove Village Inspectional Services Division.

## **FINAL INSPECTION**

No acceptance testing will be conducted prior to completion of construction. A minimum of 2 working days is needed to schedule test.

Final acceptance is subject to Field Inspection (appointment required).

The contractor must provide the Village of Elk Grove Village Inspectional Services Division with a certificate stating that the fire protection systems are installed in full compliance with NFPA standards, IBC/IFC requirements, and that all acceptance tests have been conducted. This certificate must be presented to the Fire Inspector at the time of the final hydrostatic/acceptance test.

