



FIRE DEPARTMENT

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**Plan Submittal Requirements -
Residential Fire Sprinkler Systems Supplied by Domestic Well and Pump**

The following information shall be provided on the fire sprinkler plans:

1. The length, diameter and type of underground pipe, including fittings.
2. The location of the pump.
3. Note indicating what minimum pressure must be supplied by the source in order to meet the sprinkler system demand. Hydraulic calculations shall be carried out to the location of the source.
4. Note indicating exactly where the “source” node point is located (I.E. “Source is tank discharge valve”)
5. Note indicating the minimum capacity of tank that shall be provided. Tank shall be sized to provide the sprinkler system demand plus 5 gpm for domestic use for a minimum of ten minutes.
6. Calculations must show an additional 5 gpm for domestic use. A solenoid actuated valve which shuts off supply to the domestic line in lieu of adding 5 gpm to the calculations is permitted.

The following information shall be provided by the General Contractor prior to final inspection:

1. Manufacturer’s specification sheets for pump that include a pump curve. There shall be a note on the sheets indicating which model of pump and which curve is being used if sheets show multiple models.
2. Letter from a civil engineer or well contractor stating that the well is capable of providing the sprinkler demand plus 5 gpm for domestic use for 10 minutes at any time of the year.
3. Exact location of pump (distance from house)
4. Elevation of pump below grade.
5. Exact location of tank.
6. Capacity of tank.
7. Pump START/STOP settings.

Please Note: Since the above information must be thoroughly reviewed to verify the adequacy of the pump and tank, this information must be provided one week prior to final to permit the inspector sufficient time to review.

