



Fireworks Display Site Plan

Vermillion Fire Department

25 Center ST Vermillion, SD 57069

(605) 677-9637

Site Plan

Please provide information about your event on page 1, sketch the site on page 2 and fax back to us. Page 4 includes an example of a completed site sketch and firing distance specifications from the NFPA. Page 3 is a checklist you may refer to when planning your event.

ABOUT YOU

Name (first, last) _____

Street address _____ City _____ State _____ Zip _____

Primary phone _____ Mobile _____ Email address _____

EVENT INFO

Display date _____ Rain date _____ Display time (am/pm) _____ Length of display _____

Exact location of display (for example, park, ball field, office complex, etc) _____

Fire official _____ Phone: _____

Place to meet on date of display _____ Meeting time _____

INSURANCE

Name of insurance certificate holder 1 _____

Additional insured (list all additional) 2 _____

3 _____

4 _____

CONTACT INFO FOR DAY OF SHOW

Primary contact _____ Home phone _____ Work phone _____

Mobile _____ Email _____

Pager _____

Secondary contact _____ Home phone _____ Work phone _____

Mobile _____ Email _____

Pager _____

Signature of Approving Fire Official: _____ (Application)

_____ (Site Visit)



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Your Name _____ Display date _____ City _____ State _____

Site Sketch

Please sketch your display location in the box below and provide as much information as possible about the site including firing location, spectator location(s), ground display pieces and other low-level fireworks products. Refer to the sample of a completed diagram appears on the next page. Make sure your diagram indicates the locations and distances (in feet) to the firing site of the following:

- A. Spectators
- B. Parking
- C. Residences
- D. Commercial Buildings
- E. Churches
- F. Nursing Homes
- G. Schools
- H. Hazardous Materials (ex: fuel tanks)

Driving directions to display site _____

Signature of Approving Fire Official: _____ (Application)
_____ (Site Visit)



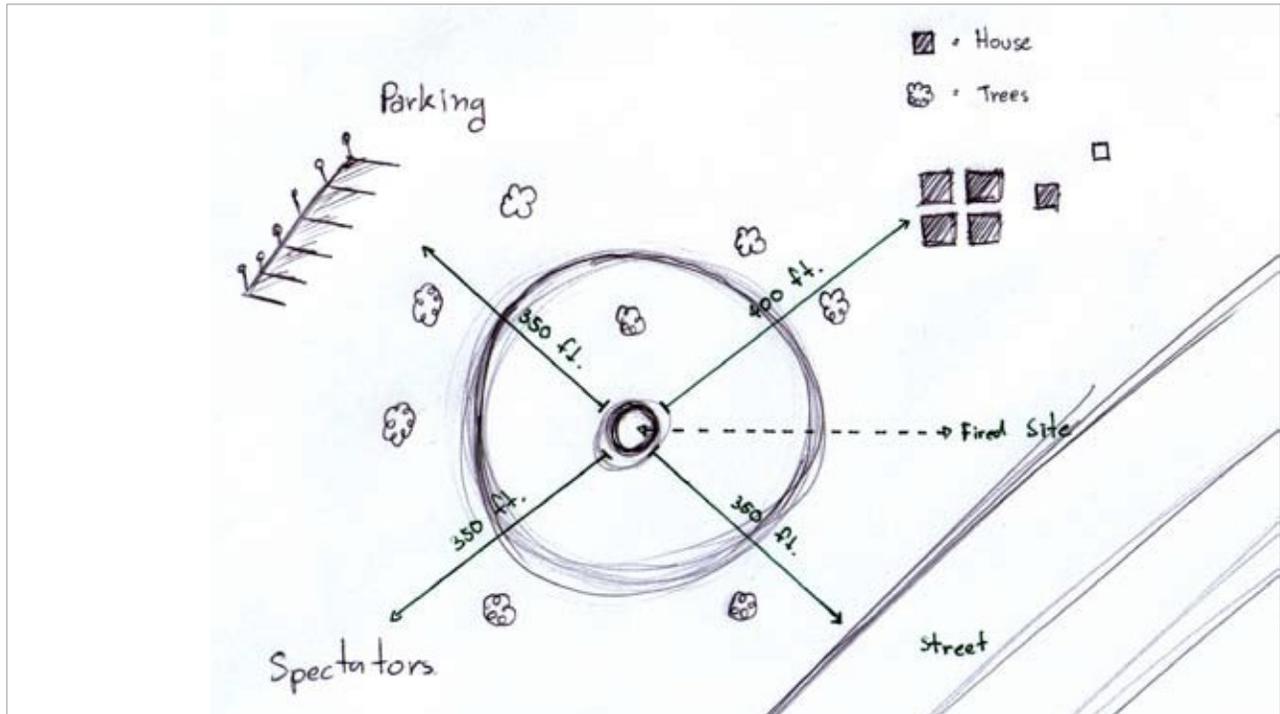
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Example of a Completed Site Sketch



Specifications for Firing Distances

Excerpted from NFPA 1123 2000 Edition

Shell Size	Separation Distances	Minimum Fallout Area Diameter
< 3 Inches	140 Feet (43m)	200 Feet
3 Inches	210 Feet (64m)	300 Feet
4 Inches	280 Feet (85m)	400 Feet
5 Inches	350 Feet (107m)	500 Feet
6 Inches	420 Feet (128m)	600 Feet
8 Inches	560 Feet (170m)	800 Feet
10 Inches	700 Feet (214m)	1000 Feet
12 Inches	840 Feet (256m)	1200 Feet
> 12 Inches	Approval of Authority Having Jurisdiction	



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Standard for the Use of Pyrotechnics Before a Outdoor Audience

Mortars shall be separated from spectator viewing areas, parking areas and occupied residences by at least 70 feet per inch of internal mortar diameter, except as noted in the above table. The area selected for the discharge of aerial shells shall be located so that the trajectory of the shells does not come within 25 feet of any overhead object. Ground display pieces shall be located a minimum of distance of 75 feet from spectator viewing areas and parking areas. Exception: Ground display pieces with greater hazard potential, such as large wheels with powerful drivers, Roman candle batteries, and items employing large salutes, the minimum separation distance shall be increased to 125 feet.

Standard for the Use of Pyrotechnics Before a Proximate Audience

Portable fire-fighting equipment, four or more fire extinguishers of the classification and size as approved by the authority having jurisdiction shall be readily accessible while the pyrotechnics are being loaded, prepared for firing, or fired. In all cases, at least two pressurized water, Class 2-A extinguishers and two Class 10-BC extinguishers shall be provided, in addition to those required by NFPA 10, standard for portable fire extinguishers, for the building. Separation distances for audiences, each pyrotechnic device fired during a performance shall be separated from the audience by a minimum of 15 ft (4.6 m) or twice the fallout radius of the device, whichever is greater, except where otherwise approved by the authority having jurisdiction. Concussion mortars and concussion effects shall be separated from the audience by a minimum of 25 ft (7.6 m).