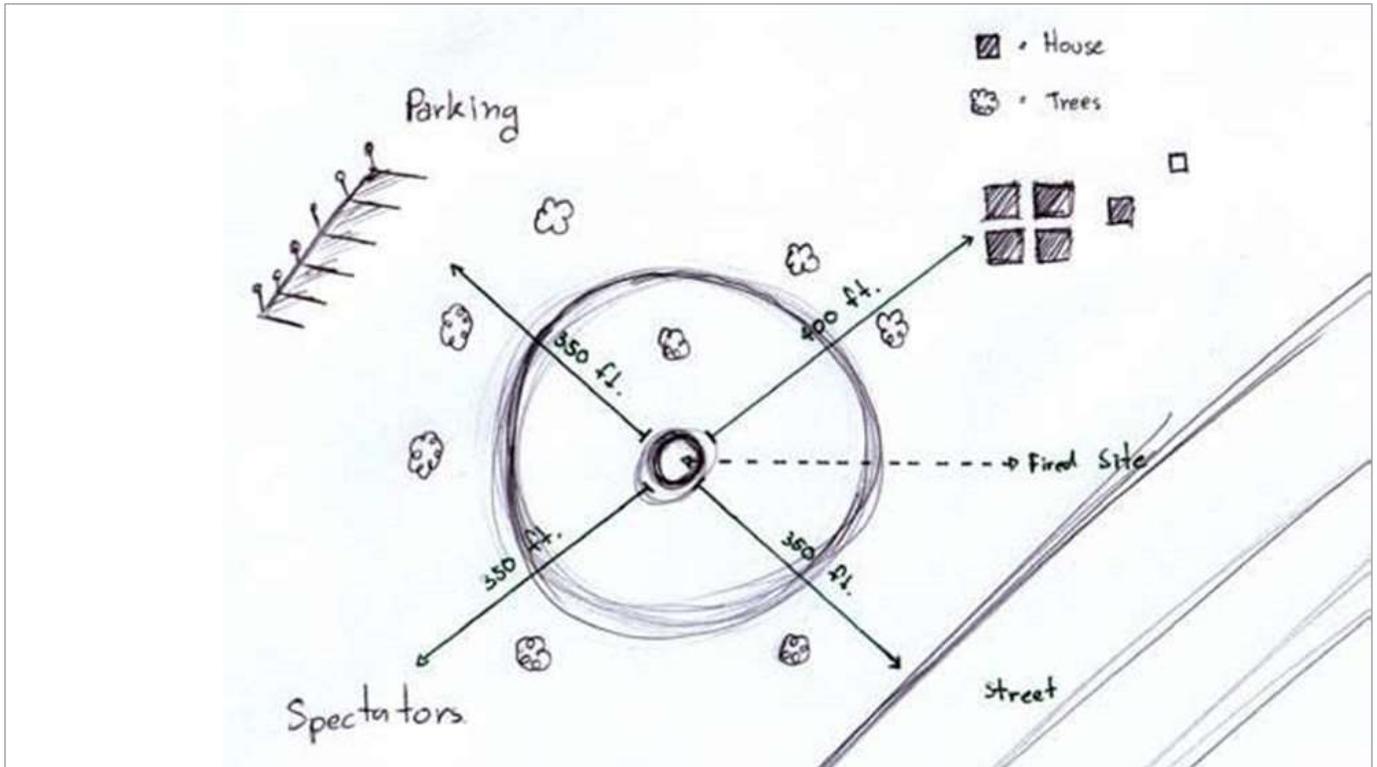


## Fireworks Display Site Plan

Please provide information about your event. Complete your site sketch and **upload it with your Fireworks Public Display Permit Request Form** OR Mail to Vermillion Fire EMS Department on the day you submit your Fireworks Public Display Permit Request.

**Mailing Address:** Vermillion Fire EMS Department  
25 Center St.  
Vermillion, SD 57069

Example of a Completed Site Sketch:



### Specifications for Firing Distances

Excerpted from NFPA 1123 2000 Edition

Shell Size Diameter	Separation Distances	Minimum Fallout Area
< 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	

## Site Sketch

Event Date: \_\_\_\_\_ Applicant Name: \_\_\_\_\_

Event Location: \_\_\_\_\_

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 previous page. Make sure your diagram indicates the locations and distances (in feet) to the firing site of the following:

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



## **Standard for the Use of Pyrotechnics before an 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).