



# Fire Department Site Plan Review Checklist

## Property Information

Building Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

## Building

Occupancy Type: \_\_\_\_\_

Square Footage: \_\_\_\_\_

Number of Stories: \_\_\_\_\_

Construction Type: \_\_\_\_\_

Occupant Load (based on net gross): \_\_\_\_\_

- Fire Sprinkler or Standpipe System
- Fire Alarm System
- Commercial Kitchen Hood System
- Underground or Aboveground Fuel Storage Tanks
- Other: \_\_\_\_\_

## Site Access:

- Fire access roads are designed to support the imposed load of a fire apparatus weighing 75,000 lb. gross vehicle weight. **(503.2.3)**
- Fire access roads are a minimum of 13 ft. 6. Inches vertical clearance and 20 ft. unobstructed width. **(503.2.1)** Additional road width (26 ft.) may be required for buildings that require aerial apparatus access. **(503.2.2)**
- Fire access roads are all-weather driving surface such as asphalt, concrete, chip-seal (oil matting) or similar. Grass pavers with fire lane signage is permitted if a low concrete curb is provided along the edges to outline and identify the driving area. **(503.2.3)**

- All portions of the building exterior walls are within 150 ft. of the fire access road. **(503.1.1)**
- Turnarounds provided for any dead-end road in excess of 150ft in length. **(503.2.5)** Dead-end roads in excess of 150 ft. resulting from a phased projects are required to provide temporary approved turnarounds.
- Additional access road provided for residential subdivisions with more than 30 single family lots or multifamily with more than 100 units. **(503.1.2)** Commercial buildings may require additional access depending on design.
- Grades do not to exceed 10 percent. **(503.2.7)**
- As an alternate for grade exceeding 10 percent: Access grade shall not exceed 10 percent but if it does, the first portion of the grade shall be limited to 10 percent for a length of 200 ft. and then 15 percent to 20 percent for a maximum of 200 ft., repeat the cycle as necessary or as approved by fire code official. **(503.2.7)**
- Dead-end fire access road(s) in excess of 150 ft. are provided with an approved turn-around. **(503.2.5)**
- The turning radius for the emergency apparatus road(s) is in accordance with Southern Pine Fire Department Turning Performance Analysis data sheet. Overlays are shown on plans for all access roads show turning in both directions. **(503.2.4)** Final approval for all turning radii shall be field verified by the fire department prior to Certificate of Occupancy.
- Plan for fire access during construction. **(501.4)**
- Details for No Parking Fire Lane Signage if required including road stripping (cross-hatching) are indicated. **(503.3)**
- Security gate(s) across fire access roads are electronically operated by siren and are provided with fire department KnoxBox key switch override. **(503.6)**

**Site Water:**

- Fire flow calculations determined using the current (ISO Guide for Determination of Needed Fire Flow) and submitted with plan. **(507.3)**
- This project requires \_\_\_\_\_ GPM fire flow, a minimum of (number of hydrants) \_\_\_\_\_ hydrants spaced an average of \_\_\_\_\_ feet. **(507.3)**

- Hydrant water flow reports completed and witnessed by the water purveyor and submitted to the fire marshal. Existing reports may be used if the test has been performed within 6 months of the date of the permit application or as required by the fire marshal. **(507.4)**
- The most remote exterior portion of a non-sprinklered building is within 400 ft. of a hydrant or for sprinklered building(s) within 100 - 50ft. of a hydrant. Hydrant(s) shall be provided in accordance with towns UDO. **(507.5.1)**
- All existing and proposed water mains and fire hydrant locations indicated on plans.
- Fire system backflow prevention devices are located inside the building and indicated on plans. **(903.3.5)**
- Fire Department Connections (FDC) for fire sprinklers or standpipes are located remote from the building exterior outside of the collapse zone and within 50 ft. of a hydrant. **(903.3.7)**
- As an alternative materials and method, the building may be protected throughout by an approved automatic sprinkler system, if the minimum required fire flow is not available.

Staff Contact Information:

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