



KIVA #: _____ Project Name: _____

Project Address: _____

Reviewed By: _____ Phone: _____ Date: _____

Designer: _____ Phone: _____

The purpose of this checklist is to provide the items required in order to obtain a permit for temporary fire access and hydrant location verification. Plan approval and issuing permits are contingent on compliance with this checklist.

A temporary fire access plan with an approved site plan must be reviewed and permitted by Fire Plan Review staff with the Planning and Development Department.

Please call 602-495-3664 regarding any questions for the temporary fire access and hydrant coverage plan. For questions on inspections please call 602-501-1632

Temporary Fire Department Access requirements can be found in the Phoenix Fire Code, Sections 503.4, 507.5.1 or 507.3.4.

The Designer of record (**DES**) must fill out all boxes in the first column as either (Addressed) or (Not Applicable).

Fire plan reviewer (**RVW**) shall check the second column as (Required) when requirements have been properly addressed.

REQUIRED SUBMITTALS

DES RVW

Plan sheets shall be 24" X 36"; submit two (2) sets of Site Plan showing temporary fire access, fire hydrant location and this completed checklist.

FIRE APPARATUS ACCESS ROADS DURING CONSTRUCTION – 503.4

Per the following Phoenix Fire Code sections:

- 503.4.1 Require access.** Fire apparatus access is required within 200 feet (60 960mm) of all points on the exterior of the building. *Fire apparatus access roads* shall be provided prior to introducing combustible materials on the construction site.
- 503.4.2 Width.** Fire apparatus access roads shall be a minimum of 20 feet (60 960mm) in width.
- 503.4.3 Surface.** At a minimum, the surface of fire apparatus access roads shall be as follows:
 1. Minimum 6 inches (152 mm) of native soil compacted to 95 percent of standard proctor density (ASTM D 698), and
 2. Minimum four (4) inches (102 mm) of aggregate base compacted to 100 percent of standard proctor density (ASTM D 698).

For more information or for a copy of this publication in an alternate format, contact Planning & Development at 602-262-7811 voice or TTY use 7-1-1.

The surface of fire apparatus access roads may differ from the above requirements if it is shown that the surface provided is sufficient to support an imposed live load of 70,000 pounds (31 751kg) with a maximum axle load of 28,000 pounds (12 712kg). A professional engineer registered by the State of Arizona shall prepare and seal the soil compaction report. The report shall be available for review by the fire code official.

- 503.4.4 Stabilization.** Curbs are not required for fire apparatus access roads for sites under construction.
- 503.4.5 Turning radius.** Fire apparatus access roads shall have a minimum 45-foot (13 716 mm) center line radius [35-foot (10 668mm) inside radius, 55-foot (16 764 mm) outside radius] on curves (see Appendix D).
- 503.4.6 Dead ends.** Dead-end fire apparatus access roads in excess of 200 feet (60 960 mm) in length shall terminate in an approved turnaround as shown in Appendix D.
- 503.4.7 Drainage.** Water drainage shall be directed away from the fire apparatus access road.

FIRE HYDRANT SYSTEMS

- 507.5.1 Where required.** Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (121 990mm) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official. For secondary hydrants the distance requirement shall be 700 feet (2131 mm).

Exception: For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet (183 m).

- 507.3.4 Temporary water supply.** When constructing one-and two-family houses, a temporary water supply for use during construction is allowed only by appeal to the fire marshal. The installation of a temporary water supply shall only be allowed for construction of model homes. Construction shall occur only on every other lot, or with a minimum of 30-foot (9144 mm) spacing between structures.

The following documentation is required to be submitted with the appeal:

1. A report, stamped by a professional engineer, shall be provided. This report shall include plans of the system and hydraulic calculations. A minimum 1,500 gpm at 25 psi (172 kPa) for a minimum of 2 hours duration shall be required for systems. Spacing of hydrants shall be in accordance with Section 508.4.4.
2. A permit shall be obtained from the Phoenix Fire Department before installation of the temporary water supply is commenced.
3. An inspection and test of the system shall be required prior to combustibles being brought on site.