



## Tolleson Fire Department Guide for Construction/Demolition Site

### Fire Department Access Roads

- A fire apparatus access plan shall be provided to the fire department clearly noting a twenty (20) foot wide, all-weather fire apparatus road consisting of six (6) inches of ABC compacted to 90 percent over an approved base. Fire apparatus access roads shall have a vertical clearance of not less than 13 feet 6 inches. Access roads shall be in place prior to combustible materials being brought on site.
- All open trenches in a fire apparatus access road shall be plated at all times with steel plates capable of maintaining the integrity of the fire apparatus access road design.
- Fire department access roads shall be clearly marked at the entrance with an approved sign no less than three (3) feet by four (4) feet. The sign shall be of a red background with white lettering six (6) inches high with a ½ inch minimum brush stroke. The sign shall read “Fire Department Access Road” and shall include the address of the site.
- The fire department access road shall be marked throughout the site by red reflectors no less than twenty-four (24) inches above grade and spaced no further than fifty (50) feet apart.
- Vehicle access shall be provided to within one hundred and fifty (150) feet of temporary or permanent fire department connections (FDC’s), buildings, combustible construction materials, and combustible debris storage areas.
- Dead-End fire apparatus access roads in excess of one hundred fifty (150) feet, shall be provided with an approved apparatus turnaround.

### Fire Hydrants

Fire hydrants shall be in place and operational prior to combustible materials being brought onto the site. Operational means being fully tested. Chlorinated and approved. Fire hydrants shall be located no further than seventy-five (75) feet off the access road and no further than three hundred (300) feet from the most remote building site. A hydrant shall be located within 150 feet of stored combustible construction materials.

### Combustible Waste

Combustible material shall not be allowed to accumulate on any site except in approved containers. Waste material shall be removed from the building(s) daily. Combustible waste material or trash shall not be burned.

### Fire Extinguishers

Fire Extinguishers with a minimum rating of 2-A/10-BC are required in buildings under construction. Extinguishers shall be located in an accessible location, be in plain view and away from hazardous areas.

### Asphalt Kettles

Asphalt (tar) kettles and pots shall not be used inside or on the roof of a building or structure. Kettles shall not be located within twenty (20) feet of combustible materials, combustible surfaces or any building opening. A control area around the kettle shall be identified and conspicuously marked. Asphalt kettles and control areas shall not block emergency escape routes or roadways. An attendant shall be within one hundred (100) feet of an operating kettle at all times. The attendant must be knowledgeable of the operations and hazards associated with asphalt kettles.

A portable fire extinguisher with a minimum 40-BC rating shall be located

within twenty-five (25) feet of the kettle being used. An additional 3-A/40-BC

rated extinguisher shall be on the roof during operations.

### Hot Work

Any person using a torch or other flame-producing device for removing paint, sweating pipe joints, welding or cutting or in other process that requires an open flame device in any building or structure shall provide a fire extinguisher with a minimum rating of 2-A/20-BC within thirty (30) feet of the operation. Hot work areas shall be clear of combustible materials or appropriate shielding must be utilized. A fire watch shall be maintained in the vicinity of the operation for no less than thirty (30) minutes after completion of the task. Personnel responsible for operation of torches or other flame-producing devices and those

individuals responsible for providing a fire watch, shall be trained in the proper use of portable fire extinguishers.