

**CHAPTER 1507
Special Provisions**

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1507.01 YARD SYSTEMS.

All new and existing oil storage plants, lumber yards, amusement or exhibition parks, and educational or institutional buildings and similar occupancies and uses involving high fire, or life hazards, and which are located more than 300 feet from a public fire hydrant or which require quantities of water beyond the fire suppression capabilities of the City's water distribution system shall be provided with properly placed fire hydrants. Such fire hydrants shall be capable of supplying fire flows as required by the Fire Official and shall be connected to a water system in accordance with the accepted engineering practice standards listed in this Fire Prevention Code . The Fire Official shall designate and approve the number and location of such fire hydrants. Such fire hydrants shall not be placed into or removed from service until approved by the Fire Official.

(Ord. 06-303. Passed 8-8-06.)

1507.02 FIRE SUPPRESSION EQUIPMENT.

(a) No person shall damage, obstruct, obscure from view, remove, tamper with or otherwise disturb any fire hydrant, fire department connection, or fire protection system or equipment required to be installed or maintained under the provisions of this Fire Prevention Code or Building Code except for the purpose of extinguishing fire, training or testing purposes, recharging, or making necessary repairs, or when permitted by the Fire Official. Whenever a fire protection system or equipment is removed as herein permitted, it shall be replaced or re-installed as soon as the purpose for which it was removed has been accomplished. Defective and nonapproved fire protection systems or equipment shall be replaced or repaired as ordered by the Fire Official.

(b) No person shall sell, offer for sale, or use any fire protection system or equipment which does not meet the minimum standards for such system or equipment as specified in this Fire Prevention Code.

(c) No person shall service, test, repair or install for profit any fire protection or fire fighting equipment without first being certified by the Ohio Fire Marshal, as required by Ohio R.C. 3737.65.
(Ord. 06-303. Passed 8-8-06.)

1507.03 RESIDENTIAL FIRE PROTECTION.

(a) All one, two and three-family dwellings and all dwelling units in any residential building constructed after the effective date of this Fire Prevention Code shall be equipped with one or more approved smoke detector devices installed in a manner and location in accordance with The Residential Code For One, Two-and Three-Family Dwellings as adopted in Springfield Codified Ordinances Part 13..

(b) Whenever the structural parts of a one, two or three-family dwelling are altered or improved in an amount in excess of two thousand dollars (\$2,000) in value, such dwelling shall be equipped with one or more approved smoke detector devices installed in a manner and location in accordance with The Residential Code For One, Two-and Three-Family Dwellings as adopted in Springfield Codified Ordinances Part 13.

(c) All one, two and three-family dwellings occupied after the effective date of this Fire Prevention Code by any handicapped person shall be equipped with one or more approved smoke detector devices installed in a manner and location in accordance with The Residential Code For One, Two-and Three-Family Dwellings as adopted in Springfield Codified Ordinances Part 13. The term "handicapped person" means any individual whose ability to protect himself in the event of a fire is significantly limited by reason of illness, injury, age, congenital malfunction, or other permanent incapacity or disability, and whose vulnerability to the hazards of fire is appreciably greater than persons not so affected.

(d) All buildings constructed or converted for use after the effective date of this Fire Prevention Code as a hotel, motel, lodging house, boarding house or dormitory building arranged for the shelter and sleeping accommodation of more than twenty (20) persons shall have an approved automatic fire suppression system installed therein.
(Ord. 06-303. Passed 8-8-06.)

1507.04 FIRE SAFETY PLAN; HIGH RISE BUILDINGS.

(a) The owner or other person having charge of buildings identified as high rise buildings in the Building Code shall be required to prepare and submit for the review and approval of the Fire Official a fire safety plan and evacuation procedure as set forth in this section.

(b) A fire safety plan, prepared in accordance with the requirements of the Fire Official, shall be distributed to the tenants and building service employees. Tenants shall distribute to their employees applicable parts of the fire safety plan which affect their action in the event of a fire or emergency.

(c) It shall be the responsibility of the owner or his agent to promptly update the fire safety plan and evacuation procedures upon changes in occupancy, use or physical arrangement.
(Ord. 06-303. Passed 8-8-06.)

1507.05 OUTSIDE STORAGE.

Notwithstanding the provisions of Chapter 1501 of the Codified Ordinances, the outside storage of combustible or flammable materials shall be enclosed by chain link fencing at least six (6) feet in height.

(Ord. 06-303. Passed 8-8-06.)

1507.06 FIRE LANES.

Notwithstanding the provisions of 1501 of the Codified Ordinances, additional requirements regarding fire lanes are set out in the following sections.

- (a) Extent. Fire lanes shall be required by the Fire Official to extend on any or all sides of a building's perimeter where necessary for fire fighting access.
- (b) Turning Radius. Turning radius within fire lanes shall be a minimum of forty-five (45) feet turning path. "Turning path" means that area which includes the outer front overhang and the inner rear wheel of the fire apparatus.
- (c) Special Equipment. The Fire Official shall require when necessary a larger turning path for other typical fire apparatus of the jurisdiction.
- (d) Signs. Fire lanes shall be posted at a maximum of every seventy-five (75) feet with an approved sign capable of being seen from the direction of travel.
- (e) Sign Installation. The property owner, or any agent shall furnish, install and maintain all signs required to properly designate the fire lanes required by this Fire Prevention Code.
- (f) Site Plan. The property owner, or any agent, shall provide a scaled site plan of the premises for the Fire Official to visually illustrate designated fire lanes.
- (g) Special Areas. The Fire Official may, upon written request from the property owner or any agent, designate certain loading/unloading areas within the fire lanes. These loading/unloading shall be designated for reasons such as the movement of merchandise or materials to stores within the fire lane area, the loading or discharging of passengers from a means of public mass transit, or the movement of handicapped persons.
- (h) Obstructions. The obstructing, parking, standing, stopping or any cessation of motion of a vehicle or object, irrespective of whether such vehicle is occupied or not and irrespective of the duration of time, within a designated fire lane, is prohibited except where lawfully permitted, or by a public safety vehicle on an emergency basis.

(Ord. 06-303. Passed 8-8-06.)

1507.07 FIRE-DAMAGED STRUCTURES.

Any building, grounds or structure that has been damaged by fire, shall be secured from tampering or trespass and maintained in a nuisance free condition by the owner or his agent, in a manner acceptable to the Fire Official. All fire debris shall be removed from the outside of the property within fifteen (15) days after being damaged by the fire or explosion. All structures damaged by fire or explosion shall have repairs begun, demolished or torn down, within ninety (90) days after being damaged by fire or explosion. An exception shall be for structures involved in suspicious or arson fires which are deemed as evidence by the Fire Official.

(Ord. 06-303. Passed 8-8-06.)

1507.08 FIRE HYDRANT AND WATER MAIN SYSTEMS FOR FIRE PROTECTION.

(a) General. Where a public water supply is within a reasonable distance of a property or area being built upon, or where a structure is being constructed, added to or remodeled to the extent that a fire flow is required, or where a change in occupancy or use will result in a greater hazard classification requiring an increase in available water for fire protection, the owner or developer shall comply with the applicable requirements of this Fire Prevention Code.

(b) Water Mains. All water mains shall be sized a minimum of eight inches in diameter as well as to meet usage and fire flow demands unless otherwise specified as follows:

- (1) Lines may be required to be larger than eight inch if identified in the City's master water or facilities plan. Lines may also be required to be larger if an identified need can be documented based on flow or pressure deficiencies or if the City desires to enter into an oversize agreement.
- (2) If a line segment is to be installed that completes a loop, grid, or extends lines of uniform size and no current deficiencies for pressure or flow can be identified, a like diameter pipe size will be installed.
- (3) Should it be determined by the Service Department that inadequate cycling of the water would occur, thus resulting in nonconformance with water quality standards and regulations, alternative line sizing and connection configurations will be identified by the City Engineer. The City Engineer shall cooperate with the Fire Official in determining the main size to ensure adequate fire flow demands.
- (4) Waterlines in one- and two-family residential subdivisions may be six-inch diameter if interconnected and looped in segments unless a segment of a main functions as a transmission or supply main through the subdivision.

(c) All water distribution systems in a subdivision shall be designed with looping for proper water flow. Dead end lines shall be approved by the City Engineer, after consultation with the Fire Official, only if the developer can show no feasible means to loop the lines.

(d) Adequacy. Where an area or property is being developed or built upon, and such area or property is being served by water mains not meeting the minimum requirements of this standard, the Fire Official may permit connection to such water mains if it is demonstrated that the available water for fire protection from those water mains is adequate to protect the properties being served, except that, in no case shall a water main less than six (6) inches in diameter be considered acceptable.

(e) Fire Hydrants. Fire hydrants shall be installed as designated by the Fire Official based on the following guidelines:

- (1) Installed along public and/or private water mains at distances no greater than 400 feet apart, as measured along the main, except in areas of one- and two-family residential buildings. Such distances shall be no greater than 500 feet. All fire hydrants shall be placed on lot lines.
- (2) Installed at the end of six-inch lines or greater.
- (3) Installed at street corners ten foot from end of radius.

- (4) Installed as required for maintenance and operational purposes.
- (5) All cul-de-sacs shall have a fire hydrant at the end for fire flow demands.
- (6) Fire hydrants shall be located within four hundred (400) feet of all building access points as designated by the Fire Official, and shall be measured along actual fire apparatus routes of travel.

(f) Hydrant Location and Setback. Fire apparatus and equipment shall be provided safe, unconstrained access to all fire hydrants as determined by the Fire Official. No natural or man-made barriers such as walls, fences, posts, curbs, shrubbery or trees shall be installed or maintained so as to impede the use or operation of a fire hydrant. Exact fire hydrant locations shall be as detailed by the Fire Official.

(g) Private Fire Hydrants. All fire hydrants not part of a private yard system, shall meet the Service Department specifications and shall have at least two (2), two and one-half (2-1/2) inch hose nozzles, and one four (4) inch steamer type nozzle. All nozzles shall have threads conforming to the Springfield Fire Division thread specifications. Fire hydrants shall be installed as designated by the Fire Official. Fire hydrant colors shall be designated by the Fire Official.

(h) Option. When fire hydrants are required by the Fire Official, the owner of the property, or his agent, shall have the option of installing a hydrant or hydrants as required by subsection (e) hereof or may install a single barrel hydrant with only the steamer nozzle conforming with the requirements of subsection (g) hereof, subject to the approval of the Fire Official.

(i) Hydrant Height. Fire hydrant height shall be at least twelve (12) inches, but no more than twenty-one (21) inches above the surrounding finished grade of the hydrant. Such measurements shall be made from the bottom of the lowest nozzle on the hydrant barrel. Break type fire hydrants shall have such feature installed as close as practical, or to serve such purpose, to the surrounding finished grade.

(j) Hydrant Protection. In areas subject to vehicular traffic where fire hydrants are located, such hydrants, when deemed necessary by the Fire Official, shall have collision protection installed; the extent and type of such protection shall be acceptable to the Fire Official.

(k) Hydrant Service. A fire hydrant shall not be placed into or removed from service unless such condition is reported to the Fire Official.

(l) Hydrant Damage. Any person who damages, witnesses damage to, or has knowledge of damage to a fire hydrant shall report same to the Fire Official or the Service Department.

(m) Tampering. No person, not duly authorized in writing, shall knowingly move, deface, paint, damage, destroy or otherwise unlawfully tamper with any fire hydrant, valve, plug, or other fixture or facility of the public water supply unless authorized in writing by the Fire Official or Service Department.

(n) Obstructing Prohibited. No person shall obscure from view, obstruct, block or restrict the use or access to any fire hydrant. Such obstruction, blockage or restriction shall be considered a violation of this section.

(o) Fire Suppression Support. In those buildings or structures where automatic fire suppression is provided throughout, the number and location of fire hydrants may be reduced or altered by the Fire Official.

(p) Suppression System Hydrant. A fire hydrant meeting the specifications and installed according to this section and connected to a public water supply, shall be installed at a location designated by the Fire Official that is within seventy-five (75) feet of a suppression system Fire Department connection, but no closer than forty (40) feet to the building or structure, except as modified in subsection (o) hereof.

(q) Fire Suppression Equipment. No person shall damage, obstruct, obscure from view, remove, tamper with, or otherwise disturb any fire hydrant, Fire Department connection, or fire protection system or equipment required to be installed or maintained under the provisions of this Fire Prevention Code or Building Code except for the purpose of extinguishing fire, training or testing purposes, recharging, or making necessary repairs, or when permitted by the Fire Official. Whenever a fire protection system or equipment is removed as herein permitted, it shall be replaced or re-installed as soon as the purpose for which it was removed has been accomplished. Defective and nonapproved fire protection systems or equipment shall be replaced or repaired as ordered by the Fire Official.

(r) All water mains and water services shall have a minimum of 48-inches of cover.

(s) Fire Hydrant Colors. All public, private, and/or yard fire hydrants shall be painted colors as designated by the Fire Official. All caps on all fire hydrants all be painted as designated by the Fire Official to indicate the amount of water flow available from said hydrant.

(t) Fire Hydrant Flows and Flushing. All public, private, and/or yard fire hydrants shall be flowed and/or flushed to determine the adequacy of water availability and fire flows on a regular basis and as determined by the Fire Official. Every owner of a privately-owned fire hydrant or of a yard hydrant shall maintain his fire hydrant or fire hydrants and his yard hydrant or yard hydrants in good operating order at all times. Members of the City's Fire Division or of the City's Service Department may enter onto private property at any time for the purpose of performing flow and/or flushing functions on a private fire hydrant or a yard hydrant. The City shall not be liable for any damage or harm occurring in connection with performing flow and/or flushing functions on a private fire hydrant when the damage or harm is proximately caused by failure of the private fire hydrant to be in good operating order. The City shall not be liable for any damage or harm occurring in connection with performing flow and/or flushing functions on a yard fire hydrant when the damage or harm is proximately caused by failure of the yard fire hydrant to be in good operating order.

(Ord. 06-303. Passed 8-8-06.)

1507.09 FIRE DIVISION ACCESS.

(a) Scope. The provisions of this section shall apply to all premises which the Fire Division may be called upon to protect. Suitable gates, access roads and fire lanes shall

be provided so that all buildings on the premises are accessible to emergency vehicles.

(b) Restricted Access. When access to or within a structure or an area is unduly difficult because of secured openings or where immediate access is necessary for lifesaving or fire fighting purposes, the Fire Official may require a key box to be installed in an accessible location. The key box shall be of a type approved by the Fire Official and shall contain keys to gain necessary access as required by the Fire Official.

(c) Automatic Alarms. When an area is protected by an automatic fire alarm, the Fire Official may require a key box to be installed in an accessible location. The key box shall be of a type approved by the Fire Official and shall contain keys to gain necessary access as required by the Fire Official.

(Ord. 06-303. Passed 8-8-06.)

1507.10 HAZARDOUS MATERIAL INFORMATION.

(a) The owner or operator of any facility which is required to prepare or have available a "Material Safety Data Sheet" (MSDS) or an emergency and hazardous chemical inventory from under subtitle B, Sections 311 and 312 of the Superfund Amendments and Re-authorization Act of 1986 hereinafter referred to as "(SARA)", or any facility where such information is deemed necessary by the Fire Chief or his designee, shall provide and maintain the following information at the facility site for emergency response personnel:

- (1) A current list of key facility personnel knowledgeable about safety procedures of materials on site, complete with current telephone numbers for such personnel in the event of an incident after normal business hours of facility operation.
- (2) A current emergency and hazardous chemical inventory form as per Section 312 SARA.
- (3) A binder containing the MSDS required under Subtitle B, Section 311 of SARA or in the event of a volume of MSDS too great to practically keep in the lock box or boxes, the information in the lock box or boxes shall give the location of the on site MSDS and the MSDS shall be readily available for use by emergency personnel.
- (4) A site plan which shall include the following:
 - A. The location of storage and use of hazardous materials on-site.
 - B. The location of on-site emergency fire fighting and spill clean-up equipment.
 - C. A diagram of the complete sewer system, water system, fire hydrants and topographical information relative to the facility.

(b) Lock Boxes. The information required in subsection (a) hereof shall be maintained in an approved lock box or boxes at a location or locations approved by the Fire Official. All information required by this chapter shall be maintained in current order in accordance with this chapter and Sections 311 and 312 of Subtitle B of SARA.

(c) Lock Box Specifications. All lock boxes as required by subsection (b) hereof shall be a minimum of fourteen (14) inches x eighteen (18) inches x five (5) inches and constructed of one-eighth (1/8) inch plate steel with an additional one-fourth (1/4) inch steel front plate or equivalent. All lock boxes required shall be equipped with a high security

Medeco Level three (3) lock or equivalent.

(d) Lock Box Alternative. When the information required by subsection (a) hereof is too great for a lock box or boxes an alternative method for making the information available shall be permitted. The information may be kept in a locked file cabinet or cabinets in a location protected from vandalism and fire, in an area remote from where the hazardous materials are stored, handled or processed. The alternative method and location shall be acceptable to, and approval by, the Fire Official. When this method is used to provide the required information keys to the building, area within the building where the cabinet or cabinets are, and the file cabinet or cabinets shall be kept in a lock box as required by subsection (b) hereof.

(e) Identification of Lock Box or Boxes and/or Alternative. The location of all lock boxes or alternative filing cabinets required by this section shall be clearly identified by a highly visible three (3) inch reflective federal safety yellow diagonal stripe across the "Box or Cabinet".

(f) Large Facilities. For larger facilities or facilities with multiple buildings, the Fire Chief or his designee shall designate the number and location of the lock boxes.
(Ord. 06-303. Passed 8-8-06.)