

## CHAPTER 22. THE FIRE CODE

### ARTICLE I. THE FIRE PREVENTION CODE

#### **Sec. 22.0010 Short Title.**

This Chapter will be known and may be cited as "The Fire Code."

#### **Sec. 22.0020 Fire Prevention Code Adopted.**

That a certain document, a copy of which is on file in the office of the Director of Planning and Development of the City of Webster Groves being marked and designated as "The 2015 International Fire Code" as published by The International Code Council, Inc., be and hereby is adopted as the Fire Code of the City of Webster Groves in the State of Missouri; for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of said International Fire Code are hereby referred to, adopted and made a part hereof as if fully set out in this ordinance, with the additions, insertions, deletions and changes as set forth in "Exhibit A".

#### **Sec. 22.0030 Amendments to the 2015 International Fire Code.**

MODIFICATIONS, ADDITIONS, INSERTIONS AND CHANGES TO THE  
**2015 INTERNATIONAL FIRE CODE**  
ADOPTED BY THE WEBSTER GROVES CITY COUNCIL

**[A] 101.1 Title.** : insert: *the City of Webster Groves, Missouri* in lieu of the phrase "[name of jurisdiction]".

Add new section 103.1.1, to read as follows;

**[A] Section 103.1.1. Fire Code Official:** The Fire Chief of the City of Webster Groves shall be the Fire Code Official for the purposes of enforcing this code.

Section 105, amend the following;

**Section 105 Permits.** Change *Fire Code Official* to Webster Groves Department of Planning and Development throughout.

Section 108.1, delete in its entirety and replace with the following;

**[A] 108.1 Board of Appeals Established.** The Board of Appeals appointed under the provisions of the Webster Groves Building Code shall have jurisdiction to hear all appeals related to this Fire Code

Section 108.2, Delete in its entirety

Section 108.3, Delete in its entirety

Section 109.4, amend to read as follows;

**[A] 109.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the *approved construction documents* or directive of the *fire code official*, or of a permit

or certificate used under provisions of this code, shall be guilty of a , punishable by a fine of not more than one thousand dollars (\$1000.00) or by imprisonment not exceeding ninety (90) days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section 111.4, amend to read as follows;

**[A] 111.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not more than one thousand dollars (\$1,000.00).

## **Chapter 2 Definitions**

Insert new definition to read as follows;

**Code of Webster Groves.** The Revised Code of Ordinances of the City of Webster Groves, Missouri as adopted by Ordinance of the City Council of the City of Webster Groves, Missouri and any amendments thereto.

Section 307.1.1, amend to read as follows;

**307.1.1 Prohibited open burning.** Open burning that is offensive or objectionable because of smoke or odor emissions or when atmospheric conditions or local circumstances make such fire hazardous shall be prohibited.

Section 307.1.2, insert new sub-section to read as follows;

**307.1.2 Yard waste** Open burning of leaves, residential brush, vegetation or other yard waste is prohibited

Section 307.1.3, insert new sub-section to read as follows;

**307.1.3 Trash or Refuse** Open burning of residential or commercial trash or refuse is prohibited

Section 307.1.4, insert new sub-section to read as follows;

**307.1.4 Construction material** Open burning of construction materials, is prohibited

Section 307.2, amend to read as follows;

**307.2 Permit required.** A permit shall be obtained from the fire code official, or his designee, prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, or a bonfire. Application for such approval shall be presented by and permits issued to the owner of the land upon which the fire is to be kindled.

Section 307.3, amend to read as follows;

**307.3 Extinguishment authority.** Where open burning creates or adds to a hazardous or objectionable situation, or a required permit for open burning has not been obtained, the fire code official, or his designee, is authorized to order the extinguishment of the open burning operation.

Section 503.1, amend to read as follows;

**503.1 Where required.** Fire apparatus access roads shall be provided and maintained in accordance with Sections 503.1.1 through 503.1.3 and Appendix D.

**Exception:** The *Fire Code Official*, may modify these requirements due to unique conditions that comply with the intent of these provisions.

Section 507.4.1, insert new sub-section to read as follows;

**507.4.1 Water flow tests.** Water flow tests for fire sprinkler systems shall be conducted between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday.

Section 507.4.2, insert new sub-section to read as follows;

**507.4.2 Water flow safety factor.** A safety factor shall be applied to all flow tests for fire sprinkler systems. A parallel curve shall be drawn to the actual flow test curve that has been reduced by 10 percent of the static pressure. A sprinkler system design shall not exceed the 10 percent curve.

Section 507.6, insert new section to read as follows;

**507.6 Color coding of public fire hydrants.** All public fire hydrant barrels are to be painted yellow. All fire hydrant bonnets are to be painted as follows:

COLOR	WATER MAIN SIZE
Green:	Twelve (12) inch and larger
Orange:	Eight (8) and ten (10) inch
Red:	Six (6) inch and smaller

Section 901.6.1.1, insert new sub-section to read as follows;

**901.6.1.1 Standpipe Testing.** Building owners/managers must maintain and test standpipe systems as per NFPA 25 requirements.

1. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the fire code official) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.

Section 901.6.2.2, insert new sub-section to read as follows;

**901.6.2.2 Records copies to fire code official.** Within sixty (60) days of the completion of the required system inspections, tests and maintenance a copy of the report shall be forwarded to the fire code official.

Section 907.5.3, insert new sub-section to read as follows;

**907.5.3 Notification at Fire Department Connection:** An approved exterior audible and visual fire alarm notification appliance shall be installed above all fire department connections. This device shall activate upon a water flow fire alarm signal only. This device shall be visible from the closest fire apparatus access road and installed at an approved location.

## **Chapter 56 Explosives and Fireworks**

Add **5608.1.1 Permit and Bond for Fireworks Display.** The Fire Code Official may, upon written application, permit a public display of fireworks at any time including but not limited to the fourth of July. Such permit may not be issued unless the Fire Code Official is satisfied that the proposed display will be supervised by responsible persons and will be of such character and so located that it will not constitute a hazard to property or endanger the life or limb of any person. The Fire Code Official may, at its discretion, as a condition of granting any such permit, provide such rules and regulations as to the character and quantity of fireworks, and manner of using them, as well as insurance, location and supervision of the proposed display, as in the opinion of the Fire Code Official will best insure safety to both persons and property. The permit holder shall furnish a bond or certificate of insurance in an amount deemed adequate by the *fire code official* for the payment of all potential damages to a person or persons or to property by reason of the permitted display, and arising from any acts of the permit holder, the agent, employees or subcontractors. The bond or certificate of insurance shall name the City of Webster Groves as additionally insured.

Section 5704.1.1, insert new sub-section to read as follows;

**5704.1.1 Permit.** A permit is required for the storage of flammable and combustible liquids as defined in this code and the International Building Code as adopted by the City of Webster Groves.

Section 5704.2.9.6.1, amend to read as follows;

**5704.2.9.6.1 Locations where above-ground tanks are prohibited.** Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited unless otherwise specifically approved by the building code official.

Section 6104.1, amend to read as follows;

**6104.1 General .** The storage and handling of LP-gas and the installation and maintenance of related equipment shall comply with NFPA 58 and be subject to the approval of the *fire code official*.

Section 6104.2, delete in its entirety

Appendix C, amend to read as follows;

## **APPENDIX C FIRE HYDRANT LOCATION AND DISTRIBUTION**

### **C101 Definitions:**

1. Structure – for the purposes of this ordinance a structure shall not include minor residential structures including but not limited to fences (both residential and non-residential), arbors, sheds, toys (swing sets, play houses, etc.), cell towers.
2. Adjoining ground shall be construed to mean any surface within 3 feet of the fire hydrant.

**C102 Single family and two family residential properties.**

1. No fire hydrant shall be distant more than 600 feet from another fire hydrant.
2. No structure shall be erected where any point along the perimeter of such structure is more than 500 feet from an existing fire hydrant.
3. In measuring the distances set forth in 1 and 2 above, such distances shall be measured only over all weather streets, roads, driveways or paved all weather parking areas.

**C103 Commercial and industrial properties.**

1. A fire hydrant shall be provided every 300 feet, and no fire hydrant shall be distance more than 300 feet from the nearest fire hydrant.
2. No point along the perimeter of any structure shall be more than 300 feet distant from a fire hydrant.
3. Notwithstanding the provisions of 1 and 2 above, each structure shall have not less than 3 fire hydrants located within 1,000 feet of such structure. Any fire hydrants installed within such 1,000 feet of the building or structure shall:
  - A. Have one of such fire hydrants within 300 feet of the building or structure.
  - B. One additional fire hydrant within 500 feet of the building or structure.

**C104 Minimum size of water mains serving fire hydrants.** All water mains serving fire hydrants shall be installed in accordance with the following minimum standards.

1. Single family and two family structures shall have water mains not less than 8 inches in diameter, except that if such main is connected to the water system in more than 1 location, such main may be reduced to not less than 6 inches.
2. All other structures within the scope of this ordinance shall be served by water mains having fire hydrants thereon, which water mains shall not be less than 8 inches in diameter. Larger mains shall be provided as required by the fire department.
3. Notwithstanding the provisions of 1 and 2 above, single leads to the fire hydrants may be served with a water main of not less than 6 inches in diameter so long as such lead main is not greater than 300 feet in length.
4. The minimum fire flow from a single fire hydrant in any Use Group shall be 1,500 gallons per minute at 20 psi residual pressure.

**Exception:** On existing public and private water mains, sufficient water supply for hydrants shall be provided such that hydrants are capable of flowing a minimum of 500 gallons per minute with 20 psi residual pressure for 15 minutes. Additional water supply may be required by the fire department.

5. The minimum fire flow from multiple fire hydrants in any Use Group shall be 1,500 gallons per minute at 20 psi residual pressure as measured at the most hydraulically remote fire hydrant.

**Exception:** On existing public and private water mains, sufficient water supply for hydrants shall be provided such that hydrants are capable of flowing a minimum of 500 gallons per minute with 20 psi residual pressure for 15 minutes. Additional water supply may be required by the fire department.

**C105 Water hydrant supply control valve.** Each fire hydrant shall be provided with a control valve on the hydrant connection such that the hydrant can be removed from service without shutting off water supply to other fire hydrants. Control valves not required on hydrants of a looped water main less than 8 inches in diameter and such water main has a control valve every 1200 feet or less.

**C106 Fire hydrant obstruction.** It shall be unlawful for any person, persons, firm, partnership or corporation to damage, deface, obstruct, obscure from view or restrict access to any fire hydrant whether the same is located on a public way, public or private lands. No parking within 10 feet of a hydrant. Maintain clear area of 3 feet from hydrant.

**C105 Hydrant location.** Fire hydrants shall be placed in accordance with the following specifications:

1. For average conditions, hydrants should be placed 50 feet from the building protected. When it is impractical to place them at this distance, they may be put nearer, provided they are set in locations where the chance of injury by falling walls is minimal, and from which fire department personnel are not likely to be driven away by smoke or heat.
2. All fire hydrants should be located on or adjacent (within 20 feet) to all weather streets, roads, driveways, or parking areas. In parking or traffic areas, fire hydrants should be located on islands or otherwise protected from the traffic and available to the fire apparatus at all times.
3. In setting hydrants due regard should be given to final grade plane. The fire department connection shall be located not less than 18 inches nor more than 48 inches above the level of the adjoining ground, sidewalk, or grade surface.
4. There shall be a hydrant within 150 feet of the fire department connection of buildings with sprinkler systems. The Fire Marshall shall be permitted to require a distance closer than 150 feet.

**C108 Tampering with fire hydrant.** It shall be unlawful for any person to use or operate a fire hydrant for any purpose other than the suppression of a fire. This provision shall not apply to employees of the City of Webster Groves or Missouri American Water employees. All other persons shall obtain a permit to draw water from a fire hydrant. (water meter, back flow preventer).

**C109 Fire hydrant standards.** All fire hydrants installed within the jurisdiction of the Webster Groves Fire Department from and after the effective date of this ordinance shall each have not less than (2) 2 ½ inch outlets and (1) 4 ½ inch outlet and shall be of break away design, frost free with chain, left hand open design and have National Standard threads.

## APPENDIX N

### FIRE LANES

**Fire Lanes:** In addition to those locations required by code, duly designated and posted fire lanes are as follows:

**Hixson Junior High School and Moss Athletic Field:** Along the north line of above property, beginning at the northeast corner and continuing west a distance of 596 feet following curb-line on the north side of driveway.

Along the south side of the driveway immediately north of Moss Athletic Field from the northeast to northwest corners, a distance of 335 feet.

South along the east side of Moss Athletic Field a distance of 73 feet beginning at the northeast corner of the fenced area.

South along the west side of Moss Athletic Field a distance of 97 feet beginning at the northwest corner of the fenced area and continuing along curb line.

Both sides of the semi-circle driveway located immediately in front of the front entrance to 630 South Elm Avenue.

Both sides of the outer roadway and driveway from South Elm Avenue northeastwardly a distance of 870 feet.

Union Pacific Railroad Right-of-Way, along the north side of Glencoe Avenue from North Gore Avenue to Allen Avenue.

**Webster College, 470 East Lockwood Avenue:** Along the south curb line of the driveway beginning 21 feet east of the southeast corner of the intersection of East Lockwood Avenue and Plymouth Avenue, thence running southwardly, southeastwardly, northeastwardly and northwardly in a semicircle for a distance of 623 feet.

**Webster University, Big Bend Buildings:** Beginning at a point 132 feet east of the west property line at 8342 Big Bend Boulevard at the curb line of Big Bend Boulevard running 154 feet along the south curb of the semicircular driveway. Also from a point at the curb line of Big Bend Boulevard 118 feet west of the east property line of 8338 Big Bend Boulevard, running southward along the east side of the driveway for 178 feet, and from that point running west for 126 feet on the south side of the driveway. Also beginning at a point 138 feet west of the east property line and 47 feet south of the curb line of Big Bend Boulevard thence running south 126 feet along west side of drive to a point, thence running west for a distance of 210 feet along north curb line of the driveway. (No-Parking--Fire Lane).

**Loretto-Hilton Center for the Performing Arts, 130 Edgar Road:** Along the east curblines of the drive beginning 322 feet south of the southeast corner of the intersection of Big Bend Boulevard and Edgar Road, thence running eastwardly, southwardly and southwestwardly for a distance of 305 feet.

**Old Orchard Municipal Parking Lot:** Beginning at a point 100 feet east of the southeast corner of the intersection of Log Cabin Lane and Big Bend Boulevard, thence running south 200 feet along the western edge of the sidewalk of the parking lot, being the rear property lines of 8110 Big Bend Boulevard to 8144 Big Bend Boulevard.

**Webster Pines Apartments, 8717 Watson Road:** Beginning at a point 61 feet east of the west property line of the Webster Pines Apartments, 8717 Watson Road, and the northern edge of the

right-of-way of Watson Road, then running northwardly, northwestwardly and northeastwardly along the curb lines of the east and west entrances and driveway for a distance of 88 feet in each direction.

Along the inner curb line running southeastwardly, eastwardly and northeastwardly in a semicircle for a distance of 120 feet between the western and eastern edge of the building located at 8717 Watson Road.

**Theatre Lane:** The east side of Theatre Lane for a distance of 95 feet from the intersection of Newport Avenue.

The east side of Theatre Lane for a distance of 40 feet from the intersection with Fairview Avenue.  
The west side of Theatre Lane.

The north side of the private alley running between Theatre Lane and Bompert Avenue (and situated between Newport Avenue and Fairview Avenue) between the west line of Theatre Lane and a point 90 feet west thereof.

**Valley Road:** The west side of Valley Road from East Cedar Avenue to East Swon Avenue.

**History Center and Southwest Park:** South of the entrance to the driveway to the History Center and Southwest Park, prohibiting parking for 25 feet in both directions from the same entrance off Rock Hill Road.

(Ord. No. 9102, §1-2, 12-17-2019)