

**GREEN VALLEY FIRE DISTRICT AMENDMENTS TO THE INTERNATIONAL FIRE CODE 2012 EDITION**

The following provision of the International Fire Code, 2012 Edition, as published by the International Code Council, Inc. is hereby amended as follows:

**Revise Section 101.1 as follows:**

101.1 Title. These regulations shall be known as the Fire Code of [THE GREEN VALLEY FIRE DISTRICT] hereinafter referred to as “this code” OR THE FIRE CODE.

**Revise Subsection 101.2.1 as follows:**

**101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted; THEREFORE, THE FOLLOWING APPENDICES ARE ADOPTED AS PART OF THIS CODE:  
APPENDIX-B FIRE-FLOW REQUIREMENTS FOR BUILDINGS  
APPENDIX-C FIRE HYDRANT LOCATIONS AND DISTRIBUTION  
APPENDIX-D FIRE APPARATUS ACCESS ROADS**

**Add new Subsection 102.10.1 as follows:**

**102.10.1 OTHER LAWS. THE PROVISIONS OF THIS CODE SHALL NOT BE DEEMED TO NULLIFY ANY PROVISIONS OF LOCAL, STATE OR FEDERAL LAW.**

**Revise Section 105.6.43 as follows: Temporary membrane structures and tents.**

2.1 Delete, “700 square feet (65 m<sup>2</sup>)” and replace with, “900 (83.6 m<sup>2</sup>)”

2.2 Delete, “700 square feet (65 m<sup>2</sup>)” and replace with, “900 (83.6 m<sup>2</sup>)”

**Revise Section 105.7.16 as follows: Temporary membrane structures and tents.**

3.1 Delete, “700 square feet (65 m<sup>2</sup>)” and replace with, “900 (83.6 m<sup>2</sup>)”

3.2 Delete, “700 square feet (65 m<sup>2</sup>)” and replace with, “900 (83.6 m<sup>2</sup>)”

**Add new Subsection 108.4 as follows:**

**108.4 ADMINISTRATIVE APPEAL. WHENEVER A VIOLATION OF THIS CODE HAS BEEN FOUND AND THE APPLICANT WISHES TO APPEAL THE DECISION OF THE STAFF BECAUSE OF CODE INTERPRETATION, OR UNREASONABLE HARDSHIP, AN APPEAL MAY BE FILED TO THE FIRE CHIEF AND FIRE MARSHAL OR AN AUTHORIZED REPRESENTATIVE, AS FOLLOWS:**

- 1. AN APPEAL SHALL BE FILED IN WRITING TO THE GREEN VALLEY FIRE DISTRICT, FIRE PREVENTION BUREAU.**
- 2. THE FIRE CHIEF AND FIRE MARSHAL, OR AN AUTHORIZED REPRESENTATIVE WILL HEAR THE APPEAL WITHIN 10 WORKING DAYS OF THE RECEIPT OF THE APPEAL.**
- 3. THE FIRE CHIEF AND FIRE MARSHAL, OR AN AUTHORIZED REPRESENTATIVE, MAY USE A HEARING COMMITTEE CONSISTING OF SUCH STAFF AS IS DEEMED APPROPRIATE TO PROVIDE ADVICE ON A PARTICULAR APPEAL.**
- 4. ADEQUATE INFORMATION SHALL BE PROVIDED BY THE APPLICANT ON THE PETITION OF APPEAL TO FULLY DESCRIBE THE CONDITION(S) IN QUESTION.**
- 5. THE APPLICANT MAY, BUT IS NOT REQUIRED TO, MEET WITH THE FIRE CHIEF AND FIRE MARSHAL, OR A DESIGNATED REPRESENTATIVE, TO DISCUSS THE APPEAL.**
- 6. IF THE APPEAL IS DENIED, THE APPLICANT SHALL COMPLY WITH THE REQUIREMENT(S) OF THE FIRE CODE OR FILE AN APPEAL TO THE BOARD OF APPEALS AS PROVIDED IN SECTION 108.1 OF THIS CODE.**

**Revise Section 109.4 by inserting text as follows:**

**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 [CIVIL INFRACTION], punishable by a fine of not more than [TWO THOUSAND FIVE HUNDRED] dollars or by imprisonment not exceeding [NUMBER OF 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.

**Revise Section 111.4 by inserting text as follows:**

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 less than [AMOUNT] dollars or more than [TWO THOUSAND FIVE HUNDRED] dollars.

**OCCUPANCY CLASSIFICATION.**

**[B] Institutional Group I-1.**

Revise as follows:

**Institutional Group I-1**

Delete “for more than 16 persons,” and replace with:

“for more than 10 persons,” and delete “The persons receiving care are capable of self preservation

**Five or fewer persons receiving care.**

Delete section (in its entirety) and replace with:

“**Six or fewer persons receiving care.** A facility such as the above with six or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the *International Residential Code*.”

**Six to sixteen persons receiving care.**

Delete section (in its entirety) and replace with:

“**Seven to ten persons receiving care.** A facility such as above, housing at least seven and not more than 10 persons receiving such care, shall be classified as Group R-4.”

**Institutional Group I-2.**

**Five or fewer persons receiving care.**

Delete section (in its entirety) and replace with:

“**Six or fewer persons receiving care.** A facility such as the above with six or fewer persons receiving such care shall be classified as Group R-3 or shall comply with the *International Residential Code*.”

**Residential Group R-3.**

Boarding houses (nontransient), change, “16,” to read: “6,”

Boarding houses (transient), change, “10,” to read: “6,”

Care facilities, change “five” to read “six”

Congregate living facilities (nontransient), change, “16,” to read: “6,”

Congregate living facilities (transient), change, “10,” to read: “6,”

**Care facilities within a dwelling.**

Delete section (in its entirety) and replace with:

“Care facilities for six or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the *International Residential Code*.”

**Residential Group R-4.**

Delete “more than five but not more than 16 persons,” and replace with:

“more than six but not more than 10 persons,”

Delete the following sentence in paragraph one, “The persons receiving care are capable of self preservation.”

Add the following after *International Building Code*:

“provided an automatic sprinkler system is installed in accordance with Section 903.3 and has a water-flow switch electronically supervised by an approved supervising station, and sound an audible (minimum 15 decibels) signal at a constantly attended location.”

**Revise Section 503.1 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.**

**Revise Section 503.2 as follows:**

503.2 Specifications. Fire apparatus access roads shall be installed and arranged in accordance with Sections

503.2.1 through 503.2.7, **AND APPENDIX D.**

**Add new Section 503.7 as follows:**

**503.7 TRAFFIC CONTROL SIGNALING DEVICES. FIRE APPARATUS ACCESS ROADS, WHICH HAVE NEW ELECTRONIC TRAFFIC CONTROL SIGNALING DEVICES INSTALLED, SHALL INCLUDE PREEMPTIVE CONTROL EQUIPMENT COMPATIBLE WITH THE FIRE DEPARTMENT'S EXISTING SYSTEM.**

**Revise Section 505.1 as follows:**

505.1 Address numbers. New and existing buildings shall have approved address numbers, building numbers, or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numerals or alphabet letters. Numbers shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). **IN ACCORDANCE WITH PIMA COUNTY ADDRESS DISPLAY REQUIREMENTS, AS APPLICABLE. ADDRESS NUMBERS SHALL BE VISIBLE FROM BOTH DIRECTIONS OF TRAVEL ALONG THE FIRE APPARATUS ACCESS ROAD. ADDRESS NUMBERS SHALL ALSO BE LOCATED AT THE DRIVEWAY ENTRANCE WHERE THE ADDRESS IS NOT VISIBLE FROM THE DRIVEWAY ENTRY.**

**Revise Section 507.1 as follows:**

507.1 Required water supply. An approved water supply capable of supplying the required fire flow for fire protection shall be provided to premises upon which facilities, buildings or portions of buildings are hereafter constructed or moved into or within the jurisdiction. **WHERE PROPERTY IS SUBDIVIDED WITH OR WITHOUT THE CREATION OF PUBLIC OR PRIVATE STREETS FOR THE EXPRESSED PURPOSE OF PROVIDING SAID SUBDIVIDED PARCELS FOR SALE OR OTHERWISE PERMITTING SEPARATE AND/OR INDIVIDUAL DEVELOPMENT TO OCCUR, AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE PROJECTED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED AND EXTENDED TO SERVE DIRECTLY ANY AND ALL SUBDIVIDED PROPERTIES. THE PROJECTED FIRE FLOW WILL BE BASED ON THE GREATEST POTENTIAL DEMAND POSED BY ANY TYPE OF OCCUPANCY ALLOWED BY ZONING LAWS ON THE PROJECTED PROPERTY.**

**EXCEPTION: ADDITIONS TO EXISTING AND NEWLY CONSTRUCTED ONE- AND TWO-FAMILY HOMES LOCATED IN AREAS HAVING SUBSTANDARD WATER SUPPLIES, WHERE THE DEVELOPMENT OF FULL FIRE-FLOW IS IMPRACTICAL, SHALL COMPLY WITH THE PROVISIONS OF APPENDIX B SECTION B103 WITH THE APPROVAL OF THE FIRE CODE OFFICIAL.**

**Revise Section 507.3 as follows:**

507.3 Fire flow. Fire flow requirements for buildings or portions of buildings and facilities shall be determined by an approved method **AND IN ACCORDANCE WITH APPENDIX B.**

**Revise Section 507.5 as follows:**

507.5 Fire hydrant systems. Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6 **8 AND APPENDIX C.**

**Add new Subsection 507.5.7 as follows:**

**507.5.7 REFLECTIVE PAVEMENT MARKERS. ALL FIRE HYDRANTS SHALL BE IDENTIFIED BY THE INSTALLATION OF APPROVED BLUE REFLECTIVE PAVEMENT MARKERS.**

**Add new Subsection 507.5.8 as follows:**

**507.5.8 OUT OF SERVICE HYDRANTS. OUT OF SERVICE HYDRANTS SHALL BE CLEARLY MARKED OR TAGGED AS OUT OF SERVICE. WHILE THE WATER LINES ARE UNDERGOING BACTERIOLOGICAL CLEANSING AND TESTING, THE HYDRANTS SHALL BE MARKED AS OUT OF SERVICE. OUT OF SERVICE MARKING AND TAGS SHALL REMAIN UNTIL THE HYDRANT HAS BEEN INSPECTED AND APPROVED BY THE WATER UTILITY, AND IS IN SERVICE. THE WATER UTILITY WILL NOTIFY THE FIRE MARSHAL WHEN THE HYDRANTS ARE IN SERVICE AND AVAILABLE FOR FIRE FLOW TESTING.**

Add new Subsection 912.7 as follows:

**ALL FIRE DEPARTMENT CONECTIONS (FDC) SHALL BE MARKED AS APPROVED BY THE FIRE CODE OFFICIAL. TWO STREET LANE REFLECTORS (STIMSONITE MODEL 88AB OR SIMILAR) SHALL BE INSTALLED SIX INCHES FROM THE CENTERLINE OF THE FIRE APPARATUS ACCESS ROADWAY ON THE SIDE CLOSEST TO THE FDC. MARKERS SHALL BE PARALLEL TO THE FDC HAVING THE REFLECTIVE ENDS OF THE STREET MARKERS FACING THE DIRECTION OF TRAFFIC.**

Add new Subsection 3310.3 as follows:

**ADDRESS AND ACCESS ROAD SIGNS. ALL STRUCTURES UNDER CONSTRUCTION SHALL BE CLEARLY IDENTIFIED WITH AN APPROVED ADDRESS AND BUILDING NUMBER. DURING CONSTRUCTION, APPROVED SIGNS SHALL BE LOCATED TO DIRECT EMERGENCY RESPONDERS INTO AND THROUGH THE CONSTRUCTION SITE. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE OF VEHICLES. SIGNS SHALL BE OF AN APPROVED SIZE, WEATHER RESISTANT, AND BE MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS.**

**APPENDIX D FIRE APPARATUS ACCESS ROADS**

Revise Appendix D as follows:

Revise Subsection D103.1 as follows:

**D103.1 Fire apparatus Access road width with a hydrant.** Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925mm) ~~exclusive of shoulders~~ (see Figure D103.1).

**EXCEPTION: MINIMUM WIDTH LESS THAN 26 FEET AS APPROVED BY THE FIRE CODE OFFICIAL.**

Replace Table D103.4 as follows:

**Table D103.4 REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS.**

<b>LENGTH (feet)</b>	<b>WIDTH (feet)</b>	<b>TURNAROUNDS REQUIRED</b>
<b>0-150</b>	<b>20</b>	<b>None required</b>
<b>151- 600</b>	<b>20</b>	<b>"Hammerhead", "Y" or cul-de-sac in accordance with Figures D103.1 at terminal end</b>
<b>601-1200</b>	<b>26</b>	<b>"Hammerhead", "Y" or cul-de-sac in accordance with Figures D103.1 at terminal end and midway</b>
<b>Over 1200</b>	<b>Special approval required</b>	

For SI: 1 foot – 304.8mm

Revise Subsection D103.5 as follows:

**D103.5 Fire apparatus access road gates.** Gates securing fire apparatus access roads shall comply with all of the following criteria:

1. The minimum **UNOBSTRUCTED** gate width shall be 20 feet (6096mm) **FOR TWO-LANE TRAFFIC, 14 FEET (4267MM) FOR ONE-LANE TRAFFIC.**  
**EXCEPTION: ONE AND TWO-FAMILY DWELLINGS AS APPROVED BY THE FIRE CODE OFFICIAL**
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.

Revise Subsection D103.5 (5) as follows:

~~5.—Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official.~~

**ELECTRICALLY OPERATED GATES:**

- A. SHALL BE EQUIPPED WITH A MEANS OF OPENING THE GATE BY FIRE DEPARTMENT PERSONNEL FOR EMERGENCY ACCESS. EMERGENCY OPENING DEVICES SHALL BE APPROVED BY THE CODE OFFICIAL.**
- B. SHALL BE IN THE FULLY OPENED POSITION IN NO MORE THAN 30 SECONDS.**

C. SHALL HAVE A MANUAL OVERRIDE SYSTEM. MANUAL OVERRIDE OPERATIONS SHALL BE LOCATED ON THE ENTRANCE SIDE OF GATE, OR WHEN POWER HAS FAILED, THE GATE(S) SHALL OPEN AND STAY OPEN UNTIL POWER IS RESTORED FOR NORMAL OPERATIONS.

D. SHALL HAVE INSTALLED APPROVED PREEMPTIVE CONTROL OPENING EQUIPMENT COMPATIBLE WITH THE FIRE DEPARTMENT'S EXISTING SYSTEM.

EXCEPTION: DRIVEWAYS SERVING ONE AND TWO FAMILY DWELLINGS AS APPROVED BY THE FIRE CODE OFFICIAL

Revise Subsection D103.5 (6) as follows:

6. ~~Manual opening gates shall not be locked with a padlock or chain and padlock unless they are capable of being opened by means of forcible entry tools or when a key box containing the key(s) to the lock is installed at the gate location.~~

**MANUAL OPENING GATES:**

A. MAY BE LOCKED WHEN APPROVED BY THE FIRE CODE OFFICIAL.

B. IF EQUIPPED WITH A LOCK, KEYS SHALL BE PROVIDED FOR INSTALLATION INTO AN APPROVED FIRE DEPARTMENT KEY BOX. KEYS SHALL BE MAINTAINED CURRENT.

Add Subsection D103.5 (10) as follows:

10. A CONSTRUCTION PERMIT IN ACCORDANCE WITH SUBSECTION 503.6 IS REQUIRED TO INSTALL OR MODIFY A GATE ACROSS FIRE APPARATUS ACCESS ROADWAYS.

Add Subsection D103.5.1 as follows:

D103.5.1 EXISTING FIRE APPARATUS ACCESS ROAD GATES. EXISTING GATES SECURING FIRE APPARATUS ACCESS ROADS SHALL COMPLY WITH D103.5.

Replace Subsection D103.6 as follows:

D103.6 SIGNS. Where required by the fire code official, fire apparatus access roads shall be marked with permanent ~~NO PARKING FIRE LANE~~ signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (304.8mm) wide by 18 inches (457mm) high and have ~~red letters on a white reflective background~~ **AND AN INTERNATIONAL NO PARKING SYMBOL WITH A BLACK P, SIX INCHES (152.4mm) HIGH. UNDERNEATH THE NO PARKING SYMBOL, IN ONE-AND-FIVE-EIGHTHS INCH (41.270mm) HIGH AND ONE-QUARTER INCH (6.350mm) STROKE, IN RED LETTERING IT SHALL READ: FIRE ACCESS TOW-AWAY (SEE FIGURE D103.6).** Signs shall be posted on one or both sides of the fire apparatus road as required by section D103.6.1 or D103.6.2.

SIGNS SHALL BE INSTALLED AT POINTS NOT MORE THAN 100 FEET (30480mm) APART ALONG THE LENGTH OF THE REQUIRED FIRE APPARATUS ACCESS ROAD. SIGNS SHALL BE VISIBLE FROM THE DIRECTION OF TRAFFIC. THE BOTTOM OF EVERY SUCH SIGN SHALL BE LOCATED NOT LESS THAN 7 FEET (2134mm), NOR MORE THAN 10 FEET (3048mm) ABOVE THE GROUND SURFACE LEVEL AND THE LEADING EDGE SHALL BE A MINIMUM OF 2 FEET (609.6mm) FROM THE DRIVE LANE OR EDGE OF CURB. CONSTRUCTION, INSTALLATION, AND MAINTENANCE OF THE SIGNS SHALL BE DONE AT NO EXPENSE TO THE DISTRICT.

MATERIALS AND LOCATIONS OF EACH SIGN SHALL BE INDICATED IN THE DEVELOPMENT PLANS OR CONSTRUCTION DOCUMENTS SUBMITTED TO THE CODE OFFICIAL. SIGNS SHALL BE POSTED ON ONE OR BOTH SIDES OF THE FIRE APPARATUS ROAD, AS REQUIRED BY SECTION D103.6.1 OR D103.6.2.

ALTERNATIVE SIGNS MAY BE ALLOWED WITH SUFFICIENT DOCUMENTATION AND PRIOR APPROVAL. ONLY FIRE APPARATUS ACCESS ROADWAYS REQUIRED UNDER THE AUTHORITY OF THIS SECTION OR AS APPROVED BY THE FIRE CODE OFFICIAL MAY BE POSTED OR IDENTIFIED WITH THE APPROVED SIGN. UNAUTHORIZED SIGNS SHALL BE REMOVED.

FIGURE D103.6

FIRE ACCESS TOW-AWAY



**Add Subsection D103.8 as follows:**

**D103.8 DIVIDED FIRE APPARATUS ACCESS ROAD TURNAROUNDS. FIRE APPARATUS ACCESS ROADS THAT ARE DIVIDED WITH MEDIANS SHALL BE PROVIDED WITH MEDIAN BREAKS FOR EMERGENCY VEHICLE TURNAROUND. THE MAXIMUM DISTANCE BETWEEN MEDIAN BREAKS SHALL BE 2,640 FEET (804,700mm).**

**Add new Subsection D104.4 as follows:**

**D104.4 WIDTH. FIRE APPARATUS ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 28 FEET (8534mm) IN THE IMMEDIATE VICINITY OF ANY BUILDING OR PORTION OF BUILDING. FIRE APPARATUS ACCESS ROADS NOT EXCEEDING 32 FEET (9754mm) WIDE SHALL BE POSTED ON BOTH SIDES OF THE ROAD AS A FIRE LANE. FIRE APPARATUS ACCESS ROADS EXCEEDING 32 FEET (9754mm) WIDE SHALL BE POSTED ON ONE SIDE OF THE ROAD AS A FIRE LANE. POSTING SHALL INCLUDE SIGNAGE AS INDICATED IN SECTION D103.6 AND CURBS OR PAVEMENT PAINTED RED WITH THE WORDS “NO PARKING – FIRE LANE” STENCILED EVERY 50 FEET (15240mm).**

**Revise Subsection D105.2 as follows:**

**D105.2 Width. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 ~~28~~ feet (~~7925mm~~) (8534mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof **MORE THAN 30 FEET (9144mm) IN HEIGHT.****