

BOARD OF FORESTRY AND FIRE PROTECTION

P.O. Box 944246
SACRAMENTO, CA 94244-2460
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(916) 653-8007



To: Resource Protection Committee

From: Edith Hannigan, Analyst

Date: October 18, 2016

Re: San Bernardino County 4290 Certification Request

On August 5, 2015, San Bernardino County Fire District submitted their Ordinance No. FPD 14-03 for certification by the Board of Forestry and Fire Protection in lieu of PRC 4290/14 CCR § 1270. After several meetings, the Committee declined to certify the submitted ordinance in December of 2015. The County has since revised their ordinances and they will be presented to the Committee for consideration at their November 2016 meeting.

There are several codes, ordinances, and standards used by San Bernardino to address fire safe development throughout the county. In the comparison matrix, there is reference to:

- San Bernardino County Fire Prevention Standard SRA-1: attached to this memo
- San Bernardino County Fire Protection District Fire Code: attached
- San Bernardino County Development Code: available online
<http://www.sbcounty.gov/uploads/lus/developmentcode/DCWebsite.pdf>
- San Bernardino Fire Prevention Standards A-2, A-3, Fire Safety Standard W-1, W-2: attached
- San Bernardino County Code Section 23.0801 Compliance with Roof Covering Requirement Provisions of the County Development Code and California Building Code: attached
- San Bernardino County Code Sections 23.0301, 23.0304, 23.0307, and 23.0308 Relating to Abatement of Fire Hazards and Hazardous Trees and Fire Access Road Obstructions: attached
- California Manual on Uniform Traffic Control Devices, pages 267-269: attached
- California Fire Code:
http://www.ecodes.biz/ecodes_support/Free_Resources/2013California/13Fire/13Fire_main.html
 - Of particular note, Chapter 1:
http://www.ecodes.biz/ecodes_support/free_resources/2013California/13Fire/PDFs/Chapter%201-%20Scope%20and%20Administration.pdf
 - And Chapter 5:
http://www.ecodes.biz/ecodes_support/free_resources/2013California/13Fire/PDFs/Chapter%205-%20Fire%20Service%20Features.pdf
- National Fire Protection Association (NFPA) 1142: <http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=1142> (must create an account to view code)
- NFPA 24: <http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=24> (must create an account to view code)
- San Bernardino County Standard Plans
 - Standard 303: <http://www.sbcounty.gov/dpw/land/Standards/Document303.pdf>
 - Standard 303a: <http://www.sbcounty.gov/dpw/land/Standards/Document303A.pdf>
 - Standard 303b: <http://www.sbcounty.gov/dpw/land/Standards/Document303B.pdf>
 - Standard 303c: <http://www.sbcounty.gov/dpw/land/Standards/Document303C.pdf>

For ease of reference, relevant section and page numbers of each code are included in the comparison matrix where possible.

The Board's mission is to lead California in developing policies and programs that serve the public interest in environmentally, economically, and socially sustainable management of forest and rangelands, and a fire protection system that protects and serves the people of the state.

**California Board of Forestry and Fire Protection
SRA Fire Safe Regulations
Certification Matrix**



Without an accompanying letter from the Board of Forestry and Fire Protection, completion of this matrix does not indicate Board certification approval or denial of submitted local ordinances under 14 CCR § 1270.03. This matrix does not reflect the full text of the regulations and should be used as a guide only.

<i>Internal Use Only</i>			
Jurisdiction	Date Received	Board Meeting Date	Board Action
San Bernardino	August 10, 2015	September 30, 2015 October 27, 2015 December 8, 2015 November 2, 2016	12/8/16 Did not certify

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
Sec. 1270 Title <i>Statement of the title of regulation</i>	San Bernardino County Fire Protection District Fire Code (SBSCFPDFC) Section 1(f), page 8	Y
Sec. 1270.01 Purpose <i>Statement of the purpose of regulation</i>	SBCFPDFC Section 1(a-f), pages 1 through 8	Y
Sec. 1270.02 Scope <i>Statement of the scope of regulation</i>	SBCFPDFC Section 1(f), page 8	Y
Sec. 1270.03 Local Ordinances <i>Board may certify local ordinances</i>	N/A	Y
Sec. 1270.04 Provisions for Application of These Regulations <i>How these regulations will be applied</i>	San Bernardino Development Code Chapter 81.01, page 1-3	Y
Sec. 1270.05 Inspection Authority <i>Establishing responsibility for enforcement</i>	SBCFPDFC Section 10(a), page 40	Y
Sec. 1270.06 Inspections <i>Authorization to conduct inspections</i>	SBCFPDFC Section 10(a), page 40	Y
Sec. 1270.07 Exceptions to Standards <i>Exceptions will be made on a case-by-case basis where the exception provides for same practical effect. Exceptions granted shall be forwarded to the CAL FIRE Unit Headquarters.</i>	California Fire Code (CFC) 104.9 – Chapter 1, page 14	Y
Sec. 1270.08 Requests for Exceptions <i>Requests shall be made in writing, stating the section(s), material facts, the exception proposed, and a map.</i>	CFC 104.9, 104.9.1 – Chapter 1, pages 14 and 15 SRA-1	Y
Sec. 1270.09 Appeals <i>Applicants may appeal exception denials. The inspection authority shall be consulted. If an appeal is granted, findings must be made and forwarded to CAL FIRE Unit HQ.</i>	SBCFPDFC Section 49, page 88	Y
Sec. 1271.00 Definitions <i>Definitions</i>		Y
Sec. 1271.05 Distance Measurements <i>Distance measurements are along the ground.</i>		Y
Sec. 1272.00 Maintenance of Defensible Space	San Bernardino Ordinance Number 5048 “Ordinance Pertaining to	Y

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
Measures <i>Defensible space maintenance plans shall be provided.</i>	the Abatement of Fire Hazards and Hazardous Trees and Fire Access Road Obstructions”	
Sec. 1273.00 Intent <i>Unobstructed traffic circulation during a wildfire emergency and concurrent fire equipment and civilian movement.</i>	CFC 503.4, as amended in SBCFPDFC page 26	Y
Sec. 1273.01 Road Width <i>Roads shall have a minimum of two 10-foot traffic lanes, not including shoulder and striping.</i>	CFC 503.2.1, as amended in SBCFPDFC page 24	Y
Sec. 1273.02 Roadway Surface <i>Designed and maintained to support the imposed load of fire apparatus weighing at least 75,000 pounds; provide an all-weather aggregate base; project proponent shall provide engineering specifications to support design if requested.</i>	CFC 503.2.3, as amended in SBCFPDFC page 24 through 25	Y
Sec. 1273.03 Roadway Grades <i>The grade of roads shall not exceed 16%.</i>	CFC 503.2.7, as amended in SBCFPDFC page 25	Y
Sec. 1273.04 Roadway Radius <i>Horizontal inside turning radius minimum 50 feet; additional 4 foot with added to curves of 50 to 100 foot radius; additional 2 feet shall be added to curves from 100 to 200 feet. Vertical curves no less than 100 feet.</i>	CFC 503.2.4 – Chapter 5, page 88 “shall be determined by the fire code official” <ul style="list-style-type: none"> • Standard A-2 provides more specifics; minimum radius does not meet state regulation but may be approved as same practical effect - roadway + smaller radius is same as state standards Standard SRA-1	Y
Sec. 1273.05 Roadway Turnarounds <i>Required on driveways and dead-end roads. Minimum turning radius shall be 40 feet, not including parking. The top of the “T” in a hammerhead/T turnaround shall be 60 feet.</i>	Standard SRA-1 <ul style="list-style-type: none"> • With some language clean up, Standard A-2 has this requirement. 	Y
Sec. 1273.06 Roadway Turnouts <i>Shall be a minimum of 12 feet wide, 30 feet long, and a 25 foot taper at both ends.</i>	Standard SRA-1	Y

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
<p>Sec. 1273.07 Roadway Structures <i>Designed to carry maximum load according to CVC; must have signage posting maximum weight and height; constructed and maintained according to AASHTO HB-17; one-way bridges must have unobstructed visibility and turnouts each end.</i></p>	CFC 503.2.6 – Chapter 5, page 88	Y
<p>Sec. 1273.08 One-Way Roads <i>All one way roads will have a minimum 12 foot traffic lane, not including shoulders. All one-way roads shall connect a two lane roadway at both ends. Maximum access to no more than 10 dwelling units. Maximum length 2,640 feet. Turnout constructed at approximately mid-point.</i></p>	CFC 503.2.1, as amended in SBCFPDFC page 24	Y
<p>Sec. 1273.09 Dead-End Roads <i>The length of dead-end roads is limited, based upon zoning.</i> <i>-800 feet for parcel zoned for less than one acre.</i> <i>-1320 feet for parcel zoned one to five acres</i> <i>-2640 feet for parcel zoned five acres to 20 acres</i> <i>-5280 feet for parcel zoned larger than 20 acres</i></p>	CFC 503.2.5 – Chapter 5, page 88 – requires turnaround if dead-end road is longer than 150 feet; no length requirements or limitation Standard A-2 has length requirements - 600 feet Standard SRA-1	Y
<p>Sec. 1273.10 Driveways <i>All driveways will provide a minimum 10 foot width traffic lane with a minimum width of 14 feet unobstructed horizontal clearance and vertical clearance of 15 feet. Driveways greater than 150 feet but less than 800 feet shall provide a turnout near the midpoint; turnouts every 400 feet if driveway >800 feet. A turnaround is required on all building sites with driveways over 300 feet in length, sited within 50 feet of building.</i></p>	CFC 503.2.1, as amended in SBCFPDFC page 24 <ul style="list-style-type: none"> • Exception (B) has no clearance requirements, no turnout requirements Standard SRA-1	Y

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
<p>Sec. 1273.11 Gate Entrances <i>Gates shall be at least 2 feet wider than the width of the traffic lane. Minimum width of 14 feet unobstructed horizontal clearance and 15 feet vertical clearance. All gates shall be located 30 feet from the roadway shall provide unobstructed traffic access on the roadway. Security gates shall not be installed without approval. Where a one-way road provides access to a gated entrance, a 40 foot turning radius shall be used.</i></p>	<p>CFC 503.1, 503.5.1 – Chapter 5, page 87 and 88; does not meet state regulation Standard A-3: minimum width of 20 feet of clearance when open, 12 feet for one way, driveways; 40 feet to street “when required” – standard practice is that the Fire Marshal always requires the 40 feet</p> <ul style="list-style-type: none"> The language in Standard A-3 does not meet or exceed the state regulation; the Board also cannot approve “standards” not referenced in code as meeting or exceeding state regulations. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1274.00 Intent <i>Roadways and buildings are to be clearly identified.</i></p>		<p>Y</p>
<p>Sec. 1274.01 Size of Letters, Numbers and Symbols for Street and Road Signs <i>Size of letters and numbers on street signs to be minimum 4 inch height, 0.5 inch stroke, reflectorized and contrasting with background.</i></p>	<p>County Standard Plan 303 and 303a – no stroke requirement but same practical effect may be acceptable as same practical effect given other design standards included.</p> <ul style="list-style-type: none"> Meets state regulation/intent but the Board requests a “paper trail”/better understanding of the process by which County Standard Plans are adopted by County Public Works. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1274.02 Visibility and Legibility of Street and Road Signs <i>Street signs to visible in both directions for a minimum distance of 100 feet.</i></p>	<p>As written, County Standard Plan 303 does not have distance requirement but may be acceptable as same practical effect given other design standards included.</p> <ul style="list-style-type: none"> Meets state regulation/intent but the Board requests a “paper trail”/better understanding of the process by which County Standard Plans are adopted by County Public Works. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1274.03 Height of Street and Road Signs <i>Height of street signs to be uniform county wide.</i></p>	<p>County Standard Plan 303b allows 8, 10, or 12 feet height – may be acceptable as same practical effect since the allowable height options are limited.</p> <ul style="list-style-type: none"> Meets state regulation/intent but the Board requests a “paper trail”/better understanding of the process by which County Standard Plans are adopted by County Public Works. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1274.04 Names and Numbers on Street and</p>	<ul style="list-style-type: none"> Meets state regulation/intent but the Board requests a “paper 	<p>Y</p>

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
Road Signs <i>Streets to be identified in a consistent countywide system. Signs to be mounted in a uniform manner.</i>	trail”/better understanding of the process by which County Standard Plans are adopted by County Public Works. Standard SRA-1	
Sec. 1274.05 Intersecting Roads, Streets and Private Lanes <i>Street signs shall be at provided road intersections.</i>	Fire Safety Overlays correspond to CAL FIRE’s Fire Hazard Severity Zones	Y
Sec. 1274.06 Signs Identifying Traffic Access Limitations <i>Shall be placed at the intersection preceding the limitation, no more than 100 feet before the limitation</i>	San Bernardino County Fire cited the California Manual on Uniform Traffic Control Devices, which states signs shall be placed “at the entrance” “in advance of the nearest intersection”; see CMUTCD excerpts <ul style="list-style-type: none"> Meets state regulation/intent but the Board requests a “paper trail”/better understanding of the process by which County Standard Plans are adopted by County Public Works. Standard SRA-1	Y
Sec. 1274.07 Installation of Road, Street and Private Lane Signs <i>Street signs shall be installed prior to final acceptance by local jurisdiction for road improvements.</i>	<ul style="list-style-type: none"> County code/standards does not include requirement for installation before final acceptance/approval of road improvements. Standard business practices provide for this. Reference in county code or provide information to the Board about the departmental documents outlining approval process. Standard SRA-1	Y
Sec. 1274.08 Addresses for Buildings <i>All buildings shall be addressed according to the jurisdiction’s address system. Each dwelling unit shall be separately identified.</i>	CFC 505.1.5, as amended in SBCFPDFC page 28	
Sec. 1274.09 Size of Letters, Numbers and Symbols for Addresses <i>Letter and numbers for addresses must be minimum 4 inch high, 0.5 inch stroke and contrasting background. Address shall be visible from street.</i>	CFC 505.1.5, as amended in SBCFPDFC page 28 – height and stroke requirements do not meet state regulation; per phone call, height/stroke meant to be included in amended CFC language Standard SRA-1	Y
Sec. 1274.10 Installation, Location and Visibility of Addresses <i>All buildings must be clearly identified. Shall have a permanently posted address placed at</i>	SBCFPDFC Section 2(e)(12) and 2(e)(13) (CFC 505.1 and subsections, as amended) – page 26 <ul style="list-style-type: none"> Does not quite meet state regulation for public visibility but may be approved as same practical effect. Does not meet 	Y

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
<p><i>each driveway entrance, visible from both directions of travel along road.</i></p> <p><i>Address shall be posted during construction and maintain thereafter.</i></p> <p><i>Address signs along one-way road shall be visible from both intended direction of travel and opposite direction.</i></p> <p><i>Multiple addresses on a single driveway shall be mounted on a single post.</i></p> <p><i>Addresses for single commercial business shall be placed at the nearest intersection providing access to the site.</i></p>	<p>requirement for stroke/height, visible from both directions along roadway, posting during construction, multiple addresses along a driveway.</p> <ul style="list-style-type: none"> This section establishes that addresses must be plainly legible and visible, but the state regulation establishes a minimum standard for what is reasonably and plainly legible and visible. <p>Standard SRA-1</p>	
<p>Sec. 1275.00 Intent</p> <p><i>Emergency water for wildfire protection shall be available, accessible, and maintained.</i></p>		
<p>Sec. 1275.01 Application</p> <p><i>Emergency water systems shall be installed and made serviceable prior to and during the time of construction except for alternatives approved by the authority having jurisdiction.</i></p>	<p>CFC 507.1, as amended in SBCFPDFC page 28</p> <ul style="list-style-type: none"> Submitted local ordinance does not require water supply during construction but standard business practice provides for this. Reference in county code or provide information to the Board about the departmental documents outlining approval process. Language in "...portions of buildings are hereafter construction or moved..." is unclear. No requirement to have water during construction. <p>Standard SRA-1</p>	Y
<p>Sec. 1275.10 General Standards</p> <p><i>System must meet or exceed NFPA 1142 and California Fire Code fire flow requirements. Water may be provided in a mobile water tender or other containment structure. Nothing prohibits the combined storage of emergency wildfire and structural firefighting water supplies unless prohibited by local ordinance. Freeze protection when required.</i></p>	<p>CFC 507.1 and subsections, as amended in SBCFPDFC page 28.</p>	Y

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
<p>Sec. 1275.15 Hydrant/Fire Valve <i>Hydrant shall be 18 inch above ground, 8 feet from vegetation, no closer than 4 feet nor farther than 12 feet from roadway, in a location where fire apparatus will not block the roadway.</i> <i>Hydrant servicing an a building shall be not less than 50 feet nor more than ½ mile by road from building it serves and be located at a turnaround along the driveway or road that intersects the driveway.</i> <i>Headed with a 2 ½ inch National Hose male thread with cap for pressure and gravity flow systems and 4 ½ inch draft system.</i> <i>Hydrant shall have wet or dry barrel and shall have suitable crash protection required by local jurisdiction.</i></p>	<p>CFC 507.5.1, as amended, page 30 – 300 feet</p> <ul style="list-style-type: none"> • Exception (B) – exception not provided for in state regulation. Sprinklers are a life safety protection; SRA Fire Safe Regulations are adopted for the purpose of minimum wildfire protection standards, specifically standards regarding emergency access and perimeter wildfire protection. Sprinklers are not an adequate mitigation for hydrants. • Most components of this regulation missing from submitted local ordinance. The Board recommends adopting the state regulation as minimum standards. • The supplied Fire Safety Standards W-1 and Standard W-2 are alternate guidelines to NFPA 1142 and 24. NFPA 24 not referenced in code text. Board cannot approve “standards” not referenced in code as meeting or exceeding state regulations. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1275.20 Signing of Water Sources <i>If located along a driveway: marked with a 3 inch reflectorized blue marker on the driveway address sign and mounted on a fire retardant post.</i> <i>If located on a street or road: 3 inch marker shall be mounted on a fire retardant post within 3 feet of hydrant, no less than 3 feet nor greater than 5 feet above the ground</i> <i>Or specified in the OSFM’s Guidelines for Fire Hydrant Markings Along State Highways and Freeways, May 1988.</i></p>	<ul style="list-style-type: none"> • No local ordinance or code to support this regulation. May require supporting information/examples before certification granted. The supplied Fire Safety Standards W-1 and Standard W-2 are alternate guidelines to NFPA 1142 and 24. NFPA 24 not referenced in code text. NFPA 1142 does not have signage standards. Board cannot approve “standards” not referenced in code as meeting or exceeding state regulations. <p>Standard SRA-1</p>	<p>Y</p>
<p>Sec. 1276.00 Intent <i>Reduce the intensity of wildfire through fuel modification for safe emergency operations and civilian evacuation and to establish a point of attack or defense from a wildfire.</i></p>		<p>Y</p>
<p>Sec. 1276.01 Setback for Structure Defensible Space</p>	<ul style="list-style-type: none"> • Setbacks in Development Code 82.13 Fire Safety Overlay (page 2-91) do not meet minimum requirements and only 	<p>Y</p>

CCR Title 14 SRA Fire Safe Regulations	Local Ordinance	Meets or Exceeds
<p><i>Parceled one acre or larger provide a minimum 30 foot setback.</i></p> <p><i>Parcels less than one acre, local jurisdiction shall provide same practical effect.</i></p>	<p>apply to FS Overlay areas. Other setback requirements throughout Development Code do not meet 30 foot minimum.</p> <p>Standard SRA-1</p>	
<p>Sec. 1276.02 Disposal of Flammable Vegetation and Fuels</p> <p><i>Disposal of flammable vegetation and fuel modification to be done prior to final building inspection.</i></p>	<p>San Bernardino Ordinance Number 5048 “Ordinance Pertaining to the Abatement of Fire Hazards and Hazardous Trees and Fire Access Road Obstructions”</p>	<p>Y</p>
<p>Sec. 1276.03 Greenbelts</p> <p><i>Subdivisions and other developments, which propose greenbelts as part of their plan, shall locate the greenbelts strategically. The locations shall be approved by the local authority having jurisdiction and may be consistent with the CAL FIRE Unit Fire Management Plan or Contract County Fire Plan.</i></p>	<p>Standard SRA-1</p>	<p>Y</p>

**REPORT/RECOMMENDATION TO THE BOARD OF DIRECTORS
OF THE SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
AND RECORD OF ACTION**

July 12, 2016

**FROM: MARK A. HARTWIG, Fire Chief/Fire Warden
San Bernardino County Fire Protection District**

**SUBJECT: URGENCY ORDINANCE TO AMEND THE SAN BERNARDINO COUNTY FIRE
PROTECTION DISTRICT FIRE CODE**

RECOMMENDATION(S)

Acting as the governing body of the San Bernardino County Fire Protection District:

1. Conduct a public hearing on an urgency ordinance to add Section 1(a)(10), amend Section 1(e), and amend Section 2 of the San Bernardino County Fire Protection District Fire Code (Ordinance No. 14-03) relating to standards for Title 14 of the California Code of Regulations.
2. Make alterations, if necessary, to the proposed ordinance.
3. Approve introduction of proposed ordinance.
4. Read title only of proposed urgency ordinance; waive reading of entire text and adopt the urgency **Ordinance FPD 16-02** and findings (Four votes required).

Hearing Opened
Public Comment: None
Hearing Closed

(Presenter: Mark A. Hartwig, Fire Chief/Fire Warden, 387-5779)

COUNTY AND CHIEF EXECUTIVE OFFICER GOALS AND OBJECTIVES

Provide for the Safety, Health and Social Service Needs of County Residents.

FINANCIAL IMPACT

Approval of this item will not result in the use of additional Discretionary General Funding (Net County Cost) as there are no direct costs associated with this revision to the fire code.

BACKGROUND INFORMATION

Pursuant to California Health and Safety Code Section 13869 et seq., the Board of Directors of the San Bernardino County Fire Protection District (SBCFPD) adopted Ordinance No. 14-03, referencing the 2013 Editions of the California Fire Code and Residential Code, on July 8, 2014 (Item No. 64). Ordinance No. 14-03 now needs to be revised to include updated fire prevention standards.

Page 1 of 2

cc: w/ordinance
SBCFPD-Hartwig
CAO-Forster
County Counsel-Hardy
File - SDD/SBCFPD w/attach
jr 7/15/16

ITEM 70

Record of Action of the Board of Directors

APPROVED
COUNTY OF SAN BERNARDINO
San Bernardino County Fire Protection District

MOTION	<u>AYE</u>	<u>ABSENT</u>	<u>AYE</u>	<u>MOVE</u>	<u>SECOND</u>
	1	2	3	4	5

LAURA H. WELCH, SECRETARY

BY _____

DATED: July 12, 2016

**URGENCY ORDINANCE TO AMEND THE SAN BERNARDINO COUNTY
FIRE PROTECTION DISTRICT FIRE CODE
JULY 12, 2016
PAGE 2 OF 2**

The California Board of Forestry (BOF) is responsible for enforcing regulations in the California Code of Regulations (CCR) Title 14 (T-14). SBCFPD developed fire department standards to address all of the T-14 requirements. The standards were approved by the BOF. However, the BOF requires SBCFPD to include the standards within the adopted fire code ordinance in order to be certified. BOF certification is necessary for SBCFPD to enforce County Fire Codes within the State Responsibility Area (SRA), which includes high fire hazard severity zones, wildland urban interface areas, and mountains.

The purpose of this urgency ordinance is to amend the SBCFPD's fire code to include the listing of SBCFPD's standards that address the T-14 requirements, as determined by the BOF. Approval of this urgency ordinance will provide SBCFPD with the authority to enforce and implement such standards within the SRA.

The urgency to adopt this amendment is to ensure that there is no lapse in the enforcement of County Fire Codes within the SRA. A delay in adopting this amendment to the Ordinance may prevent the use of SBCFPD's fire prevention standards within SRA lands which, in turn, has the potential of jeopardizing public safety by forcing SBCFPD to utilize the lesser requirements contained in the SRA Fire Safe Regulations in those areas more prone to dangerous fire conditions.

PROCUREMENT

N/A

REVIEW BY OTHERS

This item has been reviewed by County Counsel (Carol Greene, Deputy County Counsel, 387-5455) on June 27, 2016; Finance (Tom Forster, Administrative Analyst, 387-4635) on June 24, 2016; and County Finance and Administration (Gary McBride, County Chief Financial Officer, 387-5423) on June 24, 2016.

1 13869.7, provides that the San Bernardino County Fire Protection District ("District")
2 may adopt building standards more stringent than those standards adopted by the State
3 Fire Marshal. The Fire Prevention Standards adopted pursuant to Section 1(e) of the
4 current San Bernardino County Fire Protection District Code meet or exceed the current
5 California Fire Code requirements as adopted by the State Fire Marshal as well as the
6 regulations promulgated by the California Board of Forestry and Fire Protection ("State
7 Board") under California Code of Regulations, Title 14 ("14 CCR"), Division 1.5, Chapter
8 7, Subchapter 2, State Responsibility Area (SRA) Fire Safe Regulations.

9 (B) These more restrictive Fire Prevention Standards were found by the Board
10 of Directors of the District to be necessary due to increased fire danger in certain
11 mountainous and urban-wildland interface areas due to local climatic, geological, and
12 topographical conditions found in these areas. Typically, these areas within the
13 jurisdiction of the District also fall within lands designated as SRA land pursuant to
14 California Public Resources Code section 4126 and, as such, also are subject to the
15 SRA Fire Safe Regulations in 14 CCR.

16 (C) Because these areas fall within the SRA, the State Board, pursuant to 14
17 CCR section 1270.3, has required the San Bernardino County Fire Protection District
18 Code to be certified by the State Board. However, the State Board has determined that
19 the Fire Prevention Standards previously adopted pursuant to Section 1(e) are not
20 adequately defined and has required the District to define and specify, by title, each of
21 the adopted Fire Prevention Standards prior to certification. This urgency ordinance,
22 amending the San Bernardino County Fire Protection District Code, addresses the State
23 Board's concerns.

24 (D) This requirement has created an urgent need to amend the current San
25 Bernardino County Fire Protection District Code in order to be certified by the State
26 Board. Failure to adopt this amendment may create a legal challenge to the San
27 Bernardino County Fire Protection District Code by the State Board and may prevent
28 the use of the District's Fire Prevention Standards within SRA lands which, in turn, has

1 the potential of jeopardizing public safety by forcing the use of the lesser requirements
2 contained in the SRA Fire Safe Regulations in those areas more prone to dangerous
3 fire conditions.

4
5 SECTION 3. Section 1(e) of the San Bernardino County Fire Protection District
6 Code is amended to read:

7
8 **1. Findings and Adoption of the California Fire Code and California**
9 **Residential Code.**

10 (e) ADOPTION OF THE SAN BERNARDINO COUNTY FIRE DEPARTMENT
11 FIRE PREVENTION STANDARDS. The Board of Directors of the San Bernardino
12 County Fire Protection District hereby adopts the following San Bernardino County Fire
13 Protection District Fire Prevention Standards, as approved by the Fire Chief/Fire
14 Warden of the San Bernardino County Fire Department, for informational purposes in
15 clarifying and interpreting provisions of the California Fire Code, its amendments, and
16 referenced Standards: A-1 Fire Apparatus Access Road Designation and Marking; A-2
17 Fire Apparatus Access Road Designation and Marking; A-3 Gates and Other
18 Obstructions to Fire Department Access; A-4 Fire Department Access Key Boxes; B-1
19 Premise and building identification; B-2 Construction Site Fire Safety; F-1 Fire Sprinkler
20 Systems in Commercial and Industrial Buildings; F-2 Fire Sprinkler Systems in One
21 and Two Family Dwellings; F-3 Fire Sprinkler Systems in Multi-Family Dwellings; F-4
22 Post Indicator Valves and Fire Department Connections; F-5 Fire Alarm System Design,
23 Installation and Maintenance; G-1 Organic Products Storage; G-2 Outside Firewood
24 Storage and Logging Yards; G-3 Pallet Refurbishing and Storage Yards; S-1 High Piled
25 Combustible Storage; S-2 Auto Wrecking and Storage Yards; SRA-1 SRA
26 Requirements; W-1 Water Supply for Residential Fire Protection; W-2 Onsite Fire
27 Protection Water Systems; W-3 Reserved; and W-4 Temporary Water Supply Systems
28 for Fire Protection.

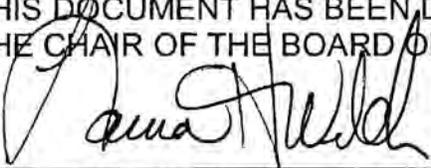
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SECTION 4. This urgency ordinance shall take effect immediately upon adoption.



JAMES RAMOS, Chair
Board of Directors

SIGNED AND CERTIFIED THAT A COPY OF THIS DOCUMENT HAS BEEN DELIVERED TO THE CHAIR OF THE BOARD OF DIRECTORS



LAURA H. WELCH, Secretary
to the Board of Directors



**SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION**

620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400

Standard Number

SRA-1

Revision Date:
3-22-16

FIRE PREVENTION STANDARD

**REQUIREMENTS TO MEET BOARD OF FORESTRY AND FIRE PROTECTION REGULATIONS FOR
STATE RESPONSIBILITY AREAS WITHIN SAN BERNARDINO COUNTY FIRE PROTECTION
DISTRICT**

AUTHORITY

Sections 102.9 of the 2013 California Fire Code and Sections 4 and 8 of the San Bernardino County Fire Protection District Fire Code (Fire Code) Ordinance provide that the fire code official of the San Bernardino County Fire Department shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to specify requirements not specifically provided for by the Fire Code. Additionally, pursuant to Title 14 CA Code of Regulations, State Responsibility Area (SRA) Fire Safe Regulations, Section 1270.03 the county will conform to the requirements set forth in Section 1270.03 within the SRA.

PURPOSE

The purpose of this standard is to provide the minimum requirements for construction within the SRA in compliance with Title 14 CA Code of Regulations, State Responsibility Area (SRA) Fire Safe Regulations, Section 1270 et seq.

SCOPE

This standard applies to construction within the SRA.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the latest shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed.

These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.



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SUBMITTALS

All submittals for construction in the SRA shall comply with Title 14 CA Code of Regulations, State Responsibility Area (SRA) Fire Safe Regulations, Section 1270 et seq (this standard), the San Bernardino County Fire Code and County Fire Standards as applicable.

REQUESTS FOR EXEMPTIONS

Title 14, Section 1270.08 states that all requests for exceptions to these regulations shall be made in writing, stating the section(s), material facts, the exception proposed, and a map.

APPEALS

Title 14, Section 1270.09 states that applicants may appeal exception denials. The applicant shall contact the Fire Code Official and request an appeal pursuant to the currently adopted County Fire Code. If an appeal is granted, findings must be made and forwarded to CAL FIRE Unit HQ.

TITLE 14 REQUIREMENTS IN THE SRA

- 1) All required fire apparatus access roadways shall meet the most restrictive requirements of the currently adopted versions of the Fire Code, Fire Dept Standards A-1, A-2, A-3, and Title 14 Sections 1273.01, 1273.02, 1273.03, 1273.04, 1273.05, 1273.06, 1273.07, 1273.08, 1273.09, 1273.10, 1273.11.
- 2) 1273.01, Road Width: Per the Fire Code, Fire Dept Access Roads shall have a minimum unobstructed width of 26' (or as per the exceptions).
- 3) 1273.02, Roadway Surface: Per the Fire Code, Fire Dept Access Roads shall be designed and maintained to support the imposed load of fire apparatus weighing at least 75,000 pounds, provide an all-weather aggregate base.
- 4) 1273.03, Roadway Grades: The Fire Code limits the grade of most roadways to 12%, however there are exceptions to a maximum of 16%.



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- 5) 1273.04, Roadway Radius: No roadway shall have a horizontal inside radius of curvature of less than 50 feet and additional surface width of 4 feet shall be added to curves of 50-100 feet radius; 2 feet to those from 100-200 feet.
- 6) 1273.05, Roadway Turnarounds: Turnarounds are required on driveways and dead-end roads. The minimum turning radius for a turnaround shall be forty (40) feet, not including parking, in accordance with the following figure. If a hammerhead/T is used instead, the top of the "T" shall be a minimum of sixty (60) feet in length. **(See Diagram SRA-1.1)**
- 7) 1273.06, Roadway Turnouts: Turnouts shall be a minimum of twelve (12) feet wide and thirty (30) feet long with a minimum twenty-five (25) foot taper on each end.
- 8) 1273.07, Roadway Structures: All driveway, road, street, and private lane roadway structures shall be constructed to carry at least the maximum load and provide the minimum vertical clearance as required by Vehicle Code Sections 35250, 35550, and 35750 and FD Standard A-1. Signage shall reflect the capability of each bridge. Roadway structures shall be constructed and maintained in accordance with the American Association of State and Highway Transportation Officials Standard Specifications for Highway Bridges, 17th Edition, published 2002 (known as AASHTO HB-17), hereby incorporated by reference. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits shall be posted at both entrances to bridges when required by the local authority having jurisdiction. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, barriers, or signs, or both, as approved by the local authority having jurisdiction, shall be installed and maintained. A bridge with only one traffic lane may be authorized by the local jurisdiction; however, it shall provide for unobstructed visibility from one end to the other and turnouts at both ends.
- 9) 1273.08, One Way Roads: All one-way roads shall be constructed to provide a minimum of one twelve (12)-foot traffic lane (not including shoulders). The local jurisdiction may approve one-way roads. All one-way roads shall connect to a two-lane roadway at both ends, and shall provide access to an area currently zoned for no more than ten (10) dwelling units. In no case shall it exceed 2,640 feet in length. A turnout shall be placed and constructed at approximately the midpoint of each one-way road.
- 10) 1273.09, Dead End Roads: The maximum length of a dead-end road, including all dead-end roads accessed from that dead-end road, shall not exceed the following cumulative lengths, regardless of the number of parcels served:
 - Parcels zoned for less than one acre - 800 feet
 - Parcels zoned for 1 acre to 4.99 acres - 1320 feet
 - Parcels zoned for 5 acres to 19.99 acres - 2640 feet



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Parcels zoned for 20 acres or larger - 5280 feet

All lengths shall be measured from the edge of the roadway surface at the intersection that begins the road to the end of the road surface at its farthest point. Where a dead-end road crosses areas of differing zoned parcel sizes, requiring different length limits, the shortest allowable length shall apply. Where parcels are zoned 5 acres or larger, turnarounds shall be provided at a maximum of 1320 foot intervals. Each dead-end road shall have a turnaround constructed at its terminus.

- 11) 1273.10, Driveways: Per the Fire Code and this section, all driveways shall be constructed to provide a minimum of one (1) twelve (12) foot traffic lane and fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet. Driveways exceeding 150 feet in length, but less than 800 feet in length, shall provide a turnout near the midpoint of the driveway. Where the driveway exceeds 800 feet, turnouts shall be provided no more than 400 feet apart. A turnaround shall be provided to all building sites on driveways over 300 feet in length, and shall be within fifty (50) feet of the building.
- 12) 1273.11 Gate Entrances: Gate entrances shall be at least two (2) feet wider than the width of the traffic lane(s) serving that gate and a minimum width of fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet. All gates providing access from a road to a driveway shall be located at least thirty (30) feet from the roadway and shall open to allow a vehicle to stop without obstructing traffic on that road. Security gates shall not be installed without approval of the Fire Code Official and where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Where a one-way road with a single traffic lane provides access to a gated entrance, a forty (40) foot turning radius shall be provided.
- 13) 1274.01, Size of Letters, Numbers and Symbols for Street and Road Signs: Size of letters, numbers, and symbols for street and road signs shall be a minimum 4 inch letter height, .5 inch stroke, reflectorized, contrasting with the background color of the sign.
- 14) 1274.02, Visibility and Legibility of Street and Road Signs: Street and road signs shall be visible and legible from both directions of vehicle travel for a distance of at least 100 feet.
- 15) 1274.03, Height of Street and Road Signs: Height of street and road signs shall be uniform county wide, and meet the visibility and legibility standards of this article.
- 16) 1274.04, Names and Numbers on Street and Road Signs: Newly constructed or approved public and private roads and streets must be identified by a name or number through a consistent countywide system that provides for sequenced or patterned numbering and/or



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non-duplicating naming within each county. All signs shall be mounted and oriented in a uniform manner. This section does not require any entity to rename or renumber existing roads or streets, nor shall a roadway providing access only to a single commercial or industrial occupancy require naming or numbering.

- 17) 1274.05, Intersecting Streets, Roads and Private Lanes: Street signs shall be provided at road intersections.
- 18) 1274.06, Signs Identifying Traffic Area Limitations: A sign identifying traffic access or flow limitations, including but not limited to weight or vertical clearance limitations, dead-end road, one-way road or single lane conditions, shall be placed at the intersection preceding the traffic access limitation, and no more than 100 feet before such traffic access limitation.
- 19) 1274.07, Installation of Road, Street and Private Lane Signs: Road, street and private lane signs required by this article shall be installed prior to final acceptance by the local jurisdiction of road improvements.
- 20) 1274.08, Addresses for Buildings: All buildings shall be addressed as per the currently adopted Fire Code and Standard B-1.
- 21) 1274.09, Size of Letters, Numbers and Symbols for Addresses: Size of letters, numbers and symbols for addresses shall be a minimum 4 inch letter height, .5 inch stroke, reflectorized, contrasting with the background color of the sign. Address identification shall be plainly legible and visible from the street or road fronting the property. Addresses shall be Arabic numbers or alphabetical letters. Where access is by means of a private road and the address identification cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the address.
- 22) 1274.10, Installation, Location and Visibility of Addresses: As per the currently adopted Fire Code and Standard B-1 and this section, all buildings shall have a permanently posted address, which shall be placed at each driveway entrance and visible from both directions of travel along the road. In all cases, the address shall be posted at the beginning of construction and shall be maintained thereafter, and the address shall be visible and legible from the road on which the address is located. Address signs along one-way roads shall be visible from both the intended direction of travel and the opposite direction. Where multiple addresses are required at a single driveway, they shall be mounted on a single post. Where a roadway provides access solely to a single commercial or industrial business, the address sign shall be placed at the nearest road intersection providing access to that site.



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23) 1275.01, Emergency Water Systems: The provisions of this article shall apply in the tentative and parcel map process when new parcels are approved by the SBCFD. When a water supply for structure defense is required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except when alternative methods of protection are provided and approved by the SBCFD.

24) 1275.10, Emergency Water Systems, General Standards: As per the currently adopted Fire Code and Standard B-1 and this section, water systems shall comply or exceed the intent of these regulations including National Fire Protection Association (NFPA) 1142, "Standard on Water Supplies for Suburban and Rural Fire Fighting," 2012 Edition.

25) 1275.15, Hydrant/Fire Valve: The hydrant or fire valve shall be eighteen (18) inches above grade, eight (8) feet from flammable vegetation, no closer than four (4) feet nor farther than twelve (12) feet from a roadway, and in a location where fire apparatus using it will not block the roadway.

The hydrant serving any building shall: (1) be not less than fifty (50) feet nor more than 1/2 mile by road from the building it is to serve, and (2) be located at a turnout or turnaround, along the driveway to that building or along the road that intersects with that driveway. The hydrant head shall be 2 1/2 inch National Hose male thread with cap for pressure and gravity flow systems and 4 1/2 inch draft systems. Such hydrants shall be wet or dry barrel as required by the delivery system. They shall have suitable crash protection as required by the local jurisdiction.

26) 1275.20, Signing of Water Systems: Each hydrant/fire valve or access to water shall be identified as follows: (a) if located along a driveway, a reflectorized blue marker, with a minimum dimension of 3 inches shall be located on the driveway address sign and mounted on a fire retardant post, or (b) if located along a street or road, (1) a reflectorized blue marker, with a minimum dimension of 3 inches, shall be mounted on a fire retardant post. The sign post shall be within 3 feet of said hydrant/fire valve, with the sign no less than 3 feet nor greater than 5 feet above ground, in a horizontal position and visible from the driveway, or (2) as specified in the State Fire Marshal's Guidelines for Fire Hydrant Markings Along State Highways and Freeways, May 1988.

27) 1276.01, Setback for Structure Defensible Space: All parcels 1 acre and larger shall provide a minimum 30 foot setback for buildings and accessory buildings from all property lines and/or the center of a road. For parcels less than 1 acre, local jurisdictions shall provide for the same practical effect.



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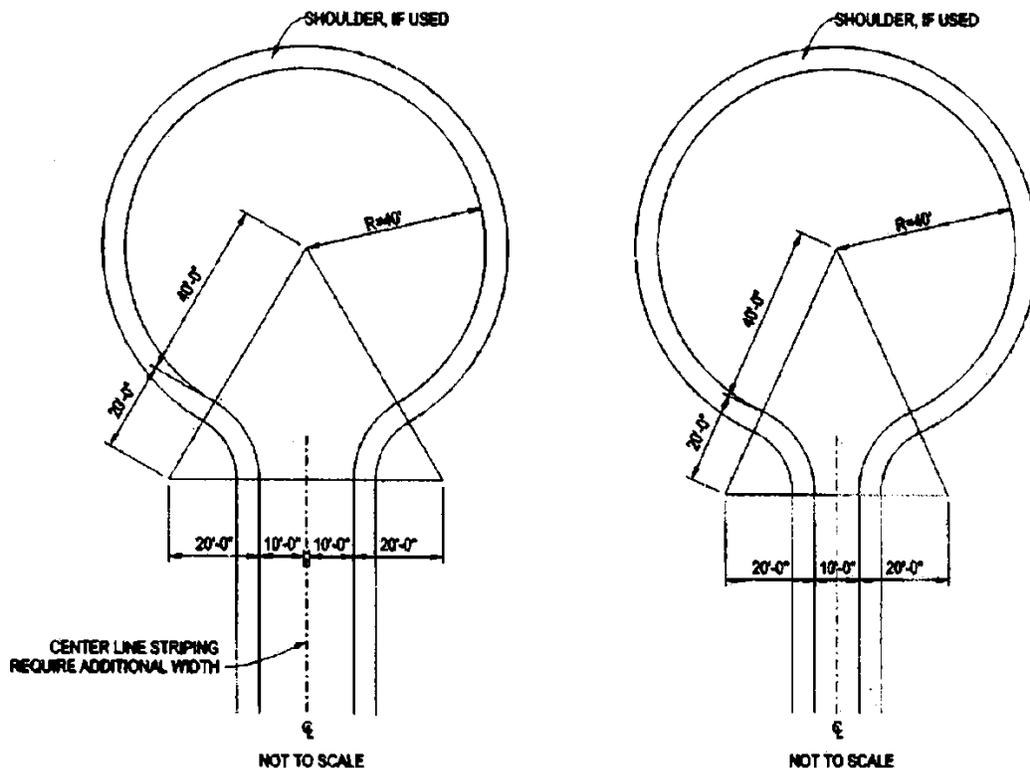
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- 28) 1276.02, Disposal of Flammable Vegetation and Fuels: Disposal of flammable vegetation and fuels shall be completed as per this section and San Bernardino County Ordinance 5048 "Ordinance Pertaining to the Abatement of Fire Hazards and Hazardous Trees and Fire Access Road Obstructions".
- 29) 1276.03, Greenbelts: Subdivision and other developments, which propose greenbelts as a part of the development plan, shall locate said greenbelts strategically, as a separation between wildland fuels and structures. The locations shall be approved by the SBCFD and may be consistent with the CAL FIRE Unit Fire Management Plan or Contract County Fire Plan.

Diagram SRA-1.1



**REPORT/RECOMMENDATION TO THE BOARD OF DIRECTORS
OF THE SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
AND RECORD OF ACTION**

July 8, 2014

**FROM: MARK A. HARTWIG, Fire Chief/Fire Warden
San Bernardino County Fire Protection District**

**SUBJECT: ADOPTION AND AMENDMENT OF THE 2013 EDITIONS OF THE CALIFORNIA
FIRE AND RESIDENTIAL CODES**

RECOMMENDATION(S)

Acting as the governing body of the San Bernardino County Fire Protection District, adopt and amend ordinance relating to the 2013 Editions of the California Fire and Residential Codes (**Ordinance No. FPD 14-03**) which were originally introduced on June 3, 2014 (Item No. 88) and continued to June 24, 2014 (Item No. 120).

(Presenter: Mark A. Hartwig, Fire Chief/Fire Warden, 387-5779)

BACKGROUND INFORMATION

The ordinance relating to the Adoption and Amendment of the 2013 Editions of the California Fire and Residential Codes were introduced on June 3, 2014, Item No. 88 and continued to June 24, 2014, Item No. 120 for public hearing. The recommendation before the Board of Directors today will adopt the ordinance on the Consent Calendar.

Page 1 of 1

cc: w/ordinance
SBCFPD-Hartwig
County Counsel-Hardy
File - SBCFPD w/attach
jr 7/10/14

ITEM 64

Record of Action of the Board of Directors

**APPROVED (CONSENT CALENDAR)
COUNTY OF SAN BERNARDINO
San Bernardino County Fire Protection District**

MOTION	<u>AYE</u>	<u>AYE</u>	<u>SECOND</u>	<u>MOVE</u>	<u>AYE</u>
	1	2	3	4	5

LAURA H. WELCH, SECRETARY

BY _____

DATED: July 08, 2014

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ORDINANCE NO. FPD 14-03

AN ORDINANCE OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT, STATE OF CALIFORNIA, ADOPTING SAN BERNARDINO COUNTY FIRE CODE (REFERENCING THE 2013 EDITION OF THE CALIFORNIA FIRE CODE AND 2013 EDITION OF THE CALIFORNIA RESIDENTIAL CODE) ALONG WITH CERTAIN CHANGES, MODIFICATIONS, AMENDMENTS, ADDITIONS, DELETIONS, AND EXCEPTIONS, RELATING TO FIRE REGULATIONS.

The Board of Directors of the San Bernardino County Fire Protection District, State of California, ordains as follows:

SECTION 1. This ordinance is hereby enacted as the San Bernardino County Fire Protection District Fire Code, to read:

**SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CODE**

Sections:

- 1. Findings and Adoption of the California Fire Code and California Residential Code.**
- 2. Amendments to the California Fire Code.**
- 3. Amendments to the California Residential Code.**
- 4. Referenced Codes and Standards.**
- 5. Conflicting Provisions.**
- 6. Validity and Severability.**
- 7. No Liability or Warranty.**
- 8. Authority - General.**
- 9. Authority at Fires and Other Emergencies.**
- 10. Authority to Inspect, Issue Notices and Administrative Citations or**

- 1 **Abate a Public Nuisance.**
- 2 **11. Closure of Public and Private Lands.**
- 3 **12. Interference Unlawful.**
- 4 **13. Official Records.**
- 5 **14. Permits Required.**
- 6 **15. Fees.**
- 7 **16. Applications and Permits – Abandonment, Period of Validity,**
- 8 **Expiration and Extensions.**
- 9 **17. Permits not Transferable.**
- 10 **18. Permit Revocation.**
- 11 **19. Operation or Construction Without a Permit or With an Expired or**
- 12 **Revoked Permit.**
- 13 **20. Issuance of Stop Work Orders.**
- 14 **21. Failure to Comply with a Stop Work Order.**
- 15 **22. Service of Notices and Orders.**
- 16 **23. Tampering with Notices, Orders or Seals Unlawful.**
- 17 **24. Overcrowding Unlawful.**
- 18 **25. Obstructed Egress Unlawful.**
- 19 **26. Open Fires.**
- 20 **27. Explosives, Fireworks, Pyrotechnics, Rockets and Rocket Motors.**
- 21 **28. Prohibited Storage of Flammable and Combustible Liquids.**
- 22 **29. Prohibited Bulk Storage of Liquefied Petroleum Gases.**
- 23 **30. Prohibited Storage of Flammable Cryogenic Fluids.**
- 24 **31. Transport Vehicles and Trailers Storing Hazardous Materials.**
- 25 **32. Joint Emergency and Fire Apparatus Access Roads.**
- 26 **33. Violations - General.**
- 27 **34. Continuing Violations.**
- 28 **35. Acts Including Causing, Aiding and Abetting.**

- 1 **36. Enforcement – Purpose and Remedies.**
- 2 **37. Enforcement Remedies and Penalties are Cumulative and**
- 3 **Discretionary; Not Exclusive.**
- 4 **38. Criminal Actions.**
- 5 **39. Authority to Investigate, Detain, Issue Criminal Citations and Arrest.**
- 6 **40. Civil Actions.**
- 7 **41. Administrative Citations and Penalties - General.**
- 8 **42. Administrative Citations and Penalties – Dangerous Fireworks and**
- 9 **Unlawful Use of Safe & Sane Fireworks.**
- 10 **43. Administrative Citations and Penalties – Egregious Violations.**
- 11 **44. Administrative Citations and Penalties – False and Negligent Fire**
- 12 **Alarm Program.**
- 13 **45. Appeal of Administrative Citations.**
- 14 **46. Recording of a Notice of Pendency.**
- 15 **47. Filing Notice of Action.**
- 16 **48. Public Nuisance Abatement of Fire Hazards.**
- 17 **49. Board of Appeals – Code Application and Interpretations.**
- 18 **50. Cost Recovery.**
- 19 **51. Treble Damages.**
- 20 **1. Findings and Adoption of the California Fire Code and California**
- 21 **Residential Code.**
- 22 (a) **FINDINGS.** The Board of Directors of the San Bernardino County Fire
- 23 Protection District hereby finds as follows:
- 24 (1) That the California Fire Code, 2013 Edition, and 2012 International
- 25 Fire Code, the California Residential Code, 2013 Edition, and the 2012 International
- 26 Residential Code, are nationally recognized compilations of proposed rules, regulations,
- 27 and standards of the International Code Council, Inc.
- 28 (2) That said California Fire Code, the International Fire Code and the

1 California Residential Code have been printed and published as a code in book form
2 within the meaning of Section 50022.2 et seq. of the California Government Code.

3 (3) That the sections and subsections of said California Fire Code, the
4 International Fire Code, and the California Residential Code may be referred to by the
5 number used in said published compilation preceded by the words "California Fire Code
6 Section," "California Residential Code," "Fire Code Section," or "Subsection" and may
7 also be referred to by additional reference to the ordinances of the San Bernardino
8 County Fire Protection District and sections therein pertaining to said California Fire
9 Code, International Fire Code, and California Residential Code.

10 (4) That California Health and Safety Code Section 13869 et seq.
11 provides, in pertinent part, that a District may make such changes or modifications to
12 the provisions published in the California Building Standards Code and other regulations
13 adopted pursuant to Section 17922 as it determines are reasonably necessary because
14 of local climatic, geological and topographical conditions.

15 (5) That the additional requirements and standards established herein
16 are needed to properly protect the health, safety, and welfare of the existing and future
17 residents and workers of the San Bernardino County Fire Protection District. Said
18 requirements and standards are reasonably necessary because of local climatic,
19 geological, and topographical conditions described herein. This finding is based upon
20 the express findings and determinations on the proposed amendments on file with the
21 Building Standards Commission.

22 (6) Local Climatic Conditions.

23 (A) The District is subject to extremely strong winds, commonly
24 known as "Santa Ana Winds" which can reach speeds in excess of 90 miles per hour.
25 Extensive damage frequently accompanies these winds, such as blowing sand and
26 debris, downed power lines, fallen trees, overturned vehicles and structural damage to
27 buildings. These conditions result in increased demand for fire services, blocked or
28 delayed emergency vehicle access and impaired water supplies and building

1 emergency systems.

2 (B) During the summer months, the Santa Ana Winds produce
3 periods of extremely low humidity, thereby reducing the fuel moisture and increasing the
4 possibility and severity of fire from dry vegetation and other common combustibles.

5 (C) During the summer months, much of the District experiences
6 prolonged periods of temperatures in excess of 100°F. When coupled with sustained
7 severe Santa Ana Winds, an increase in the threat from rapidly moving wildfires exists.

8 (D) During the winter months, heavy rains routinely cause
9 damage to roadways rendering them completely impassible, or with limited access,
10 sometimes for extended periods.

11 (E) During winter months, heavy snow and ice conditions exist in
12 the mountain areas resulting in increased demand for fire services and limiting or
13 delaying emergency vehicle access. In some cases, emergency vehicle access roads
14 are completely impassible, or have limited access, sometimes for extended periods.

15 (7) Local Geological Conditions.

16 (A) The District is subject to moderately strong to severe
17 shaking and surface ruptures resulting from numerous known earthquake faults located
18 throughout the District. These local earthquake faults have the potential to cause
19 severe personal and property damage, utility interruptions, fire hazards and hazardous
20 materials releases. Additionally, significant roadway, bridge structure, water supply and
21 communications systems are subject to failure, thereby causing a detriment to
22 emergency services response.

23 (B) Unstable slopes in several areas throughout the District have
24 experienced soil movement as a result of heavy or soaking rains, resulting in damage to
25 roadways, structures and utilities.

26 (C) Some desert areas of the District have limited aquifers,
27 exceptionally deep aquifers or aquifers providing only brackish or contaminated water
28 supplies. This limits, or in some cases eliminates, water supplies available for

1 firefighting purposes.

2 (D) The District has many areas with rich deposits of minerals
3 resulting in the presence of many subsurface and strip mining operations. These
4 operations pose special problems due to confined access and large quantities of fuels
5 and explosive materials.

6 (8) Local Topographical Conditions.

7 (A) The District encompasses an exceptionally large
8 geographical area with limited access routes connecting valley, mountain and desert
9 areas. This distance, combined with these limited access routes, results in delays in the
10 reallocation of resources to emergency scenes.

11 (B) The topography of the District is exceptionally diverse,
12 ranging from relatively flat desert and valley areas, to foothill areas, canyon areas and
13 steep mountainous areas. This results in some areas that are inaccessible to radio
14 communications, which hampers emergency response capabilities.

15 (C) The large geographical area and diverse topography of the
16 District results in numerous water purveyors and water pressure zones throughout the
17 response areas. This results in many areas having limited, unreliable or unavailable
18 water supplies available for firefighting purposes.

19 (D) The District is traversed by several State Freeways and
20 Interstate Highways, which provide for limited under or over crossing access points for
21 emergency vehicles to cross to adjacent areas. These highways also restrict the ability
22 of the local water supply grids to provide water from multiple points to all areas and
23 necessitates the use of dead-end water mains in many areas adjacent to these
24 highways.

25 (E) The District is traversed by two major active railroad main
26 rail systems. These rail systems are used for both commuter and large freight trains,
27 including the transportation of large quantities of hazardous materials. These rails
28 provide for limited under or over crossing access points for emergency vehicles to cross

1 to adjacent areas. Emergency vehicles experience frequent delays at grade crossings
2 until passenger and/or lengthy freight trains clear the grade crossings.

3 (F) Due to the size and topography of the District, it is traversed
4 by several high voltage electrical transmission lines which cross over inaccessible
5 desert and foothill brush-covered areas, as well as heavily forested steep mountain
6 areas. High winds have caused damage to these lines, resulting in vegetation fires.
7 Access to many of these areas is unavailable to vehicles, making response to these
8 fires unusually difficult.

9 (G) Several large, high-pressure natural gas transmission lines
10 traverse the District to transport natural gas at pressures exceeding 500 p.s.i. These
11 lines pass through, under or over steep terrain and wildfire-prone areas and are also
12 subject to damage due to flooding or seismic events.

13 (H) Several large petroleum product pipelines cross the District
14 to transport large quantities of gasoline, diesel fuel and jet fuels under extremely high
15 pressures. While generally underground, these pipelines pass through, under or over
16 steep terrain and wildfire-prone areas and overhead at several overpasses located over
17 thoroughfares and waterways. Damage to these pipelines has been experienced during
18 rail accidents and flooding conditions. Additionally, these pipelines and their pumping
19 and valve stations are subject to damage from seismic events.

20 (9) That the local climatic, geological and topographical conditions
21 found herein together present increased hazard potentials that create a reasonable
22 necessity to facilitate the ability of the Fire Code Official to establish increased
23 administrative penalties in order to prevent the use of dangerous fireworks and the
24 unlawful use of safe and sane fireworks, as well as to prevent and discourage egregious
25 and other fire safety violations where public safety is at higher risk.

26 (b) **ADOPTION OF THE CALIFORNIA FIRE CODE.** The Board of Directors
27 of the San Bernardino County Fire Protection District hereby adopts the 2013 edition of
28 the California Fire Code (CFC), also known as Part 9 of Title 24 of the California Code

1 of Regulations (incorporating the 2012 International Fire Code), and Appendices as
2 compiled and published by the International Code Council.

3 (c) ADOPTION OF THE CALIFORNIA RESIDENTIAL CODE. The Board of
4 Directors of the San Bernardino County Fire Protection District hereby adopts the 2013
5 edition of the California Residential Code (CRC), also known as Part 2.5 of Title 24 of
6 the California Code of Regulations (incorporating the 2012 International Residential
7 Code), as compiled and published by the International Code Council.

8 (d) ADOPTION OF THE INTERNATIONAL FIRE CODE. The Board of
9 Directors of the San Bernardino County Fire Protection District hereby adopts Chapters
10 8, 11, 25 and 26 in their entirety, as well as sections referenced below, of the 2012
11 edition of the International Fire Code (hereafter also to be known as the IFC), as
12 compiled and published by the International Code Council, and amended herein.

13 (e) ADOPTION OF THE SAN BERNARDINO COUNTY FIRE DEPARTMENT
14 FIRE PREVENTION STANDARDS. The Board of Directors of the San Bernardino
15 County Fire Protection District hereby adopts the San Bernardino County Fire
16 Protection District Fire Prevention Standards, current edition, as approved by the Fire
17 Chief/Fire Warden of the San Bernardino County Fire Department, for informational
18 purposes in clarifying and interpreting provisions of the California Fire Code, its
19 amendments, and referenced Standards.

20 (f) The provisions of the CFC, IFC, subsequent amendments, California Fire
21 Code Appendices and the San Bernardino County Fire Department Fire Prevention
22 Standards shall be collectively known as the 2014 San Bernardino County Fire
23 Protection District Fire Code (County Fire Code) and shall be applicable in all areas of
24 San Bernardino County within the San Bernardino County Fire Protection District, any
25 political subdivision or district that contracts with the San Bernardino County Fire
26 Protection District for fire protection and prevention services, and in those other cities,
27 towns and districts that ratify this Ordinance.

28 **2. Amendments to the California Fire Code.** The 2013 California Fire Code, also

1 known as Part 9 of Title 24 of the California Code of Regulations which is adopted in
2 section (b), is hereby amended as follows:

3 (a) Chapter 1 is amended as follows:

4 (1) Section 104.10 is added to the San Bernardino County Fire
5 Protection District Fire Code and amended, to read:

6 **104.10 Fire Investigations.** The Fire Code Official shall investigate
7 the cause, origin and circumstances of any fire, explosion or other hazardous
8 conditions. Information that could be related to trade secrets or processes shall not be
9 made part of the public record, except as directed by a court of law.

10 (2) Section 105.3.7 is added to the San Bernardino County Fire
11 Protection District Fire Code and amended, to read:

12 **105.3.7 Information on the permit.** The Fire Code Official shall
13 issue all permits required by this code on an approved form furnished for that purpose.
14 The permit shall contain the name of the permittee, a general description of the
15 operation or occupancy, its location, the conditions of the permit, the period of validity or
16 expiration date and any other information required by the Fire Code Official. Issued
17 permits shall bear the signature of the Fire Code Official or other approved legal
18 authorization.

19 (3) Section 105.4.6 is added to the San Bernardino County Fire
20 Protection District Fire Code and amended, to read:

21 **105.4.6 Retention of Construction Permit Documents.** One set of
22 construction documents shall be retained by the Fire Code Official for a period of not
23 less than 180 days from date of completion of the permitted work, or as required by
24 state or local laws. One set of approved construction permit documents shall be
25 returned to the applicant. Documents, including issued permits, conditions, applicable
26 job cards and approved plans, shall be kept on the site of the permitted activity,
27 operation, building, work or premises at all times during which the activity, operation or
28 work authorized thereby is in progress and shall be readily available for inspection.

1 (4) Section 105.6.1.3 is added to the San Bernardino County Fire
2 Protection District Fire Code and amended, to read:

3 **105.6.2.1 Automobile Wrecking Yards.** An operational permit is
4 required to operate an automobile wrecking yard in accordance with section 304.4 of
5 this code.

6 (5) Section 105.6.3.1 is added to the San Bernardino County Fire
7 Protection District Fire Code and amended, to read:

8 **105.6.3.1 Battery Systems.** An operational permit is required for a
9 stationary storage battery system having an electrolyte capacity of more than 50 gallons
10 as regulated by Chapter 6 of the California Fire Code.

11 (6) Section 105.6.4 is added to the San Bernardino County Fire
12 Protection District Fire Code and amended, to read:

13 **105.6.4 Carnivals, Fairs, Block Parties and other Outdoor**
14 **Assemblage.** An operational permit is required to conduct a carnival, fair, block party,
15 race, concert, parade or other similar outdoor assemblage whether, public or private,
16 when,

17 (A) The event will have an anticipated attendance of 200 or
18 more persons per day, or

19 (B) In the opinion of the Fire Code Official, a permit and specific
20 conditions are required due to the nature or location of the activity.

21 (7) Section 105.6.9 is added to the San Bernardino County Fire
22 Protection District Fire Code.

23 (8) Section 105.6.12 is added to the San Bernardino County Fire
24 Protection District Fire Code and amended, to read:

25 **105.6.12 Dry Cleaning Plants.** An operational permit is required to
26 engage in the business of dry cleaning or to change to a more hazardous cleaning
27 solvent used in existing dry cleaning equipment.

28 **EXCEPTION:** Dry cleaning plants using only Class IV solvents.

1 (9) Section 105.6.14 is added to the San Bernardino County Fire
2 Protection District Fire Code and amended, to read:

3 **105.6.14 Explosives.** An operational permit is required for the
4 manufacture, storage, handling, sale, use or public display of any quantity of explosives,
5 or explosive materials.

6 **EXCEPTIONS**

- 7 (A) small arms ammunition of .75 caliber or less
8 (B) cartridges for propellant-actuated power devices
9 (C) cartridges for industrial guns
10 (D) 20 pounds or less of smokeless powder
11 (E) 5 pounds or less of black sporting powder providing such
12 smokeless or black sporting powder is for the hand loading of small arms or small arms
13 ammunition of .75 caliber or less and that it is for personal use and not for resale.

14 (10) Section 105.6.15.1 is added to the San Bernardino County Fire
15 Protection District Fire Code and amended, to read:

16 **105.6.15.1 Fireworks or Pyrotechnics Display.** An operational permit
17 is required to conduct a fireworks or pyrotechnics display before a public audience in
18 accordance with Chapter 56 and California Code of Regulations, Title 19.

19 (11) Section 105.6.15.2 is added to the San Bernardino County Fire
20 Protection District Fire Code and amended, to read:

21 **105.6.15.2 Fixed Hood and Duct Extinguishing Systems.** An
22 operational permit is required to utilize commercial cooking appliances, as defined in
23 Section 602, with a Type I hood and an automatic fire extinguishing system as required
24 by section 904.11.

25 (12) Sections 105.6.16 105.6.17, 105.6.18, and 105.6.19 are added to
26 the San Bernardino County Fire Protection District Fire Code.

27 (13) Section 105.6.27 of the California Fire Code is adopted into the San
28 Bernardino County Fire Protection District Fire Code and amended, to read:

1 **105.6.27 Liquefied Petroleum Gases.** An operational permit is
2 required for the storage or use of Liquefied Petroleum Gasses.

3 **Exception:**

4 (A) A permit is not required for two or less 20-pound (nominal 5-
5 gallon) containers.

6 (B) A permit is not required for individual containers with a 500-
7 gallon (1893 L) water capacity or less serving Group R-3 occupancies as the primary
8 means of fuel for heating or cooking.

9 (14) Sections 105.6.28 and 105.6.29 are added to the San Bernardino
10 County Fire Protection District Fire Code.

11 (15) Section 105.6.30 is added to the San Bernardino County Fire
12 Protection District Fire Code and amended, to read:

13 **105.6.30 Open Fires.** An operational permit is required for the
14 kindling or maintaining of an open fire on any public street, alley, road, or other public or
15 private ground pursuant to Section 21.

16 (16) Section 105.6.31 is added to the San Bernardino County Fire
17 Protection District Fire Code and amended, to read:

18 **105.6.31 Open Flames and Torches.** An operational permit is
19 required to use a torch or open-flame device in a wildfire risk area.

20 (17) Section 105.6.32 is added to the San Bernardino County Fire
21 Protection District Fire Code and amended, to read:

22 **105.6.32. Open Flames In Assemblies and Indoor Uses.** An
23 operational permit is required to use open flames for entertainment or decorative
24 purposes in connection with indoor or outdoor assemblies, dining or drinking
25 establishments and other indoor commercial uses.

26 **EXCEPTION:** Candles and small-open flame decorative
27 devices in accordance with Section 308.

28 (18) Section 105.6.33 is added to the San Bernardino County Fire

- 1 Protection District Fire Code.
- 2 (19) Section 105.6.33.1 is added to the San Bernardino County Fire
3 Protection District Fire Code and amended, to read:
- 4 **105.6.33.1 Pallet Yards.** An operational permit is required to store,
5 manufacture, refurbish or otherwise handle combustible pallets in excess of 200 pallets.
- 6 (20) Section 105.6.34 is added to the San Bernardino County Fire
7 Protection District Fire Code.
- 8 (21) Sections 105.6.37 through 105.6.39 are added to the San
9 Bernardino County Fire Protection District Fire Code.
- 10 (22) Section 105.6.39.1 is added to the San Bernardino County Fire
11 Protection District Fire Code and amended, to read:
- 12 **105.6.39.1 Rockets.** An operational permit is required to sell or launch
13 model rocket motors, experimental unlimited rocket motors and experimental/high
14 powered rocket motors. Such sales and launching shall be in accordance with Section
15 22 of the California Fire Code.
- 16 (23) Section 105.6.40 is added to the San Bernardino County Fire
17 Protection District Fire Code.
- 18 (24) Section 105.6.40.1 is added to the San Bernardino County Fire
19 Protection District Fire Code and amended, to read:
- 20 **105.6.40.1 Seasonal Sales Lots.** An operational permit is required to
21 operate an outdoor display and sales area of seasonal items including, but not limited
22 to, fireworks, pumpkins or Christmas trees.
- 23 (25) Sections 105.6.41 and 105.6.42 are added to the San Bernardino
24 County Fire Protection District Fire Code.
- 25 (26) Sections 105.6.44 and 105.6.45 are added to the San Bernardino
26 County Fire Protection District Fire Code.
- 27 (27) Section 105.6.46 is added to the San Bernardino County Fire
28 Protection District Fire Code and amended, to read:

1 **105.6.46 Wood, Manure and Organic Product Storage.** An
2 operational permit is required to store or process wood chips, hogged material, lumber,
3 plywood, manure, compost or other combustible organic products in excess of 200
4 cubic feet (6 m³).

5 (28) Section 105.6.47 is added to the San Bernardino County Fire
6 Protection District Fire Code and amended, to read:

7 **105.6.47 Additional Permits.** In addition to the permits required by
8 Section 105.8, the following permits shall be obtained from the Fire Code Official prior to
9 engaging in the following activities, operations, practices, or functions:

10 (A) Production facilities. To change use or occupancy, or allow
11 the attendance of a live audience, or for wrap up parties.

12 (B) Motion picture and still photography production. To use any
13 facility or location for the purpose of documentary, educational, or commercial motion
14 picture, television, or still photography production of any type. A permit is required
15 regardless if pyrotechnic special effects, open flame, use of flammable or combustible
16 liquids and gases, welding, stunts involving vehicles or aircraft, or the parking of motor
17 vehicles will occur or not.

18 (C) Live audiences. To install seating arrangements for live
19 audiences in approved production facilities, production studios, and sound stages. See
20 Chapter 48 of the California Fire Code.

21 (29) Section 105.7.4.1 is added to the San Bernardino County Fire
22 Protection District Fire Code and amended, to read:

23 **105.7.4.1 Dust Collection Systems.** A construction permit is required
24 for the installation or modification of Dust Collection System required pursuant to
25 Chapter 22 and the standards listed in Table 2204.1 of the California Fire Code.

26 (30) Section 105.7.8.1 is added to the San Bernardino County Fire
27 Protection District Fire Code and amended, to read:

28 **105.7.8.1 High-Piled Storage.** A construction permit is required for

1 the installation or modification of a high-piled storage area in excess of 500 square feet.

2 (31) Section 105.7.10.1 is added to the San Bernardino County Fire
3 Protection District Fire Code and amended, to read:

4 **105.7.10.1 Marinas.** A construction permit is required to construct a
5 marina with facilities for mooring or servicing of 5 or more vessels, or with a marine
6 motor fuel-dispensing facility as regulated by Chapter 36 of the California Fire Code.

7 (32) Section 105.7.13 is added to the San Bernardino County Fire
8 Protection District Fire Code and amended, to read:

9 **105.7.13 Solar photovoltaic power systems.** A construction permit
10 is required to install or modify solar photovoltaic power systems.

11 **Exception:** A permit is not required for a one- or two-family
12 dwelling.

13 (33) Section 105.7.11.1 is added to the San Bernardino County Fire
14 Protection District Fire Code and amended, to read:

15 **105.7.11.1 Refrigeration Systems.** A construction permit is required to
16 install or modify a mechanical refrigeration unit or system regulated by Chapter 6 of the
17 California Fire Code.

18 (34) Section 105.7.11.2 is added to the San Bernardino County Fire
19 Protection District Fire Code and amended, to read:

20 **105.7.11.2 Smoke Control Systems.** A construction permit is required
21 to install or modify a Smoke Control System required by the San Bernardino County
22 Fire Protection District Fire Code or California Building Code.

23 (35) Section 105.7.11.3 is added to the San Bernardino County Fire
24 Protection District Fire Code and amended, to read:

25 **105.7.11.3 Solar Power Generating Stations.** A construction permit is
26 required to construct or modify a solar power generation station or system.

27 (36) Section 105.7.15 is added to the San Bernardino County Fire
28 Protection District Fire Code and amended, to read:

1 **105.7.15 Standpipe Systems.** A construction permit is required for
2 the installation, modification or removal from service of a standpipe system.
3 Maintenance performed in accordance with this Code is not considered a modification
4 and does not require a permit.

5 (37) Section 105.7.16 is added to the San Bernardino County Fire
6 Protection District Fire Code and amended, to read:

7 **105.7.16 Temporary membrane structures and tents.** A
8 construction permit is required to erect an air-supported temporary membrane structure
9 or tent having an area in excess of 400 square feet (37 m²).

10 **Exceptions:**

11 (A) Tents used exclusively for recreational camping purpose.

12 (B) Funeral tents and curtains, or extensions attached thereto,
13 when used for funeral services

14 (C) Tents and awnings open on all sides, which comply with all
15 of the following:

16 (I) Individual tents shall have a maximum size of 700
17 square feet (65 m²).

18 (II) The aggregate area of multiple tents placed side by
19 side without a fire break clearance of not less than 12 feet (3658 mm) shall not be
20 greater than 700 square feet (65 m²) total.

21 (III) A minimum fire break clearance of 12 feet (3658 mm)
22 to structures and other tents shall be maintained.

23 (b) Section 202 is amended, by adding or amending the following definitions:

24 **ALL WEATHER DRIVING SURFACE.** Any surface, as determined by a
25 qualified engineer licensed by the State of California, to adequately support the imposed
26 load of a fire apparatus and meets the intent of this code.

27 **APPROVED.** As defined in the San Bernardino County Fire Department Fire
28 Prevention Standards and Interpretations or as otherwise deemed acceptable by the

1 Fire Code Official.

2 **BARBECUE GRILL.** (Also known as a barbeque or BBQ). A portable or fixed
3 device, constructed of steel, concrete, clay, or other non-combustible material, for the
4 primary purpose of cooking food over a liquefied petroleum-, natural gas-, wood- or
5 charcoal-fueled fire. A barbecue may also include an outdoor bread-baking or pizza
6 oven.

7 **BARBECUE PIT.** A trench or depression in the ground in which wood or other
8 clean solid fuel is burned to produce a bed of hot coals for the sole purpose of cooking.
9 A barbecue pit having a fuel area greater than 3 feet in width or 2 feet in height shall be
10 considered a bonfire.

11 **BONFIRE.** An outdoor open fire burning clean materials other than rubbish,
12 where the fuel being burned is not contained in an incinerator, outdoor, fireplace,
13 portable outdoor fireplace or barbecue grill, has a total fuel area greater than 3 feet in
14 width, length or diameter or 2 feet in height, and is used for pleasure, religious,
15 ceremonial, cooking, warmth or other similar purposes.

16 **DEPARTMENT.** The San Bernardino County Fire Protection District.

17 **DISTRICT.** The San Bernardino County Fire Protection District.

18 **DRIVEWAY.** A privately owned, vehicular access road having a minimum
19 unobstructed width of 12 feet (3658 mm) that serves no more than two Group R,
20 Division 3 or Group U occupancies.

21 **FIRE CHIEF/FIRE WARDEN.** The chief officer of the San Bernardino County
22 Fire Protection District, or a duly authorized representative.

23 **FIRE CODE OFFICIAL.** The Fire Chief/Fire Warden of the San Bernardino
24 County Fire Protection District or a duly authorized representative charged with the
25 administration and enforcement of this code.

26 **OPEN BURNING PROJECT.** The burning of waste vegetative materials, tree
27 trimmings, agricultural burning, burning of Russian Thistle (tumbleweeds) and other
28 similar burning not otherwise classified as an Open Outdoor Fire, bonfire or recreational

1 fire pursuant to the Mojave, and South Coast Air Quality Management Districts' Rule
2 444.

3 **OPEN FIRE.** Any outdoor fire including a Barbecue Pit, Bonfire, Open Burning
4 Project, Portable Outdoor Fireplace, Recreational Fire, Residential Burning and burning
5 of items or structures for the purposes of destruction of contraband or for training by law
6 enforcement or fire department personnel.

7 **PERSON.** Individuals, businesses, general partnerships, limited partnerships,
8 joint ventures, corporations, trust, concern, organization, state and local government
9 entities, heirs, executors, administrators, receivers, or assigns, agents of the aforesaid,
10 and every other legal entity or association having legal obligations subject to the
11 provisions of this code.

12 **PORTABLE OUTDOOR FIREPLACE.** A portable, outdoor, solid-fuel burning
13 fireplace constructed of steel, concrete, clay or other non-combustible materials and
14 specifically designed for the containment of fire. A portable outdoor fireplace may have
15 an open design or may have a small hearth opening with a short chimney or opening in
16 the top. A portable outdoor fireplace having a fuel area greater than 3 feet in width or 2
17 feet in height shall be considered a bonfire.

18 **RECREATIONAL FIRE.** An outdoor open fire burning clean materials other than
19 rubbish where the fuel being burned is not contained in an incinerator, outdoor fireplace,
20 portable outdoor fireplace, barbecue grill or barbecue pit, and has a total fuel area equal
21 to or less than 3 feet in width, length or diameter and 2 feet in height for pleasure,
22 religious, ceremonial, cooking, warmth or other, similar purposes. Recreational fires
23 also include any campfire or fire ring.

24 **RESIDENTIAL BURNING.** The burning of trash, waste materials, tree and yard
25 trimmings or similar for disposal. For the purposes of this code, Residential Burning
26 shall also include the burning of similar items at commercial properties and on vacant
27 properties.

28 **SELF-CONTAINED RESIDENTIAL AUTOMATIC SPRINKLER SYSTEM.** An

1 approved fire sprinkler system, that conforms to Section 903.3.1.1, 903.3.1.2, or
2 903.3.1.3 of this code, NFPA standards 13, 13 R, or 13 D, or California Residential
3 Code Section R313 and San Bernardino County Fire Department Fire Prevention
4 Standards and Interpretations, and is supplied by a water source independent from a
5 municipal water distribution system. If the system is mechanically assisted by booster
6 pumps, it shall be independent from the dwelling's power supply.

7 **SKY LANTERNS.** Also known as Kongming Lantern, Chinese Lantern, Wish
8 Lantern or similar. A small hot air balloon used for entertainment, lighting or ceremonial
9 purposes, made of paper or similar lightweight material, with an opening at the bottom
10 where a small fire is suspended. Devices that are anchored to the ground or released
11 into the air without manual control fall under this definition.

12 **WILDFIRE RISK AREA.** Any area located within the Fire Safety Overlay areas
13 identified in the San Bernardino County Development Code, and any land otherwise
14 designated by the San Bernardino Fire Protection District, the County of San
15 Bernardino, and any city or town as a Wildland Urban Interface, Very High Fire Hazard
16 Severity Zone, High Fire Hazard Area, No Fireworks Safety Zone or any other land that
17 is covered with grass, grain, brush or forest, whether privately or publicly owned, which
18 is so situated or is of such inaccessible location that a fire originating upon it would
19 present an abnormally difficult job of suppression or would result in great or unusual
20 damage through fire or any other areas so designated by the Fire Code Official.

21 (c) Chapter 3 is amended as follows:

22 (1) Section 303 is added to the San Bernardino County Fire Protection
23 District Fire Code.

24 (2) Section 304.4 is added to the San Bernardino County Fire
25 Protection District Fire Code and amended, to read:

26 **304.4 Automobile wrecking yards.** Automobile wrecking yards and
27 associated combustible materials storage shall be in accordance with San Bernardino
28 County Fire Department Fire Prevention Standards. Automobile wrecking yards shall

1 require an operational permit in accordance with section 105 of this code.

2 (3) Sections 305 and 305.1 are added to the San Bernardino County
3 Fire Protection District Fire Code and section 305.1 is amended, to read:

4 **305.1 Clearance from Ignition Sources.** Clearance between ignition
5 sources such as luminaries, heaters, flame-producing devices and combustible
6 materials shall be a minimum of 18 inches or as required by other applicable codes.

7 (4) Section 305.3 is added to the San Bernardino County Fire
8 Protection District Fire Code and amended, to read:

9 **305.3 Open-flame Warning Devices.** Open-flame warning devices shall
10 not be used along an excavation, road or any other place where the dislodgment of
11 such device may permit the device to roll, fall or slide onto any area or land containing
12 combustible materials.

13 **Exception:** This Section shall not apply to public safety personnel
14 acting in the performance of their duties.

15 (5) Section 305.5 is added to the San Bernardino County Fire
16 Protection District Fire Code and amended, to read:

17 **305.5 Spark Arrestors.** Each chimney used in conjunction with a
18 fireplace, portable outdoor fireplace, or other heating appliance in which solid fuel is
19 burned, shall be maintained with an approved spark arrester. The spark arrester shall
20 have heat and corrosion resistance equivalent to 12-gauge wire, 19-gauge galvanized
21 wire or 24-gauge stainless steel. Openings shall not permit the passage of spheres
22 having a diameter larger than one-half inch (13 mm) maximum and shall not block the
23 passage of spheres having a diameter of less than three-eighths inch (10 mm). The
24 screen shall be mounted in or over all outside flue openings in a vertical and near
25 vertical position, adequately supported to prevent movement and shall be visible from
26 the ground. All spark arrestors shall be accessible and removable for cleaning.

27 (6) Section 308.1 is added to the San Bernardino County Fire
28 Protection District Fire Code and amended, to read:

1 **308.1 Open Flames - General.** Notwithstanding any other provision of
2 this code, open flames, fire and burning on all premises shall be in accordance with
3 Sections 308.1.1 through 308.4.1 and 19 CCR Sections 325(a) and (b).

4 (7) Sections 308.1.2 and 308.1.3 are added to the San Bernardino
5 County Fire Protection District Fire Code and section 308.1.3 is amended, to read:

6 **308.1.3 Torches for Removing Paint or Weeds, for Melting
7 Asphalt or for Welding or Cutting.**

8 (A) Torches and other flame-producing devices shall not be
9 used to remove paint from any structure or weeds from any premises.

10 (B) Notwithstanding any other provision of this code, persons
11 utilizing a torch or other flame-producing device for melting asphalt or for welding or
12 cutting shall provide a minimum of one portable fire extinguisher complying with Section
13 906 and with a minimum of a 4-A rating, or two portable fire extinguishers, each with a
14 minimum of a 2-A rating, or a water hose connected to a working water source. The
15 person conducting the burning or asphalt melting shall remain at the location for a
16 minimum of one hour after the torch or flame-producing device is utilized.

17 (8) Section 308.1.4 is added to the San Bernardino County Fire Protection
18 District Fire Code and amended, to read:

19 **308.1.4 Open-Flame Cooking Devices.** Charcoal burners and
20 other open-flame cooking devices shall not be operated on combustible balconies or
21 decks, or within 10 feet (3048 mm) of combustible construction.

22 **Exceptions:**

23 (A) One- and two-family dwellings where provisions are made to
24 prevent the fire from spreading to any combustible materials.

25 (B) Where buildings, balconies and decks are protected by an
26 automatic sprinkler system.

27 (C) LP-gas cooking devices having an LP-gas container with a
28 water capacity not greater than 2 ½ pounds. Containers shall not be manifolded

1 together to increase capacity.

2 (D) Cooking devices heated solely using a catalytic heating
3 element with no flame production.

4 For purposes of this section, the term "combustible" construction shall
5 meet the definition contained in Section 202 of the California Building Code.

6 (9) Section 308.1.5 is added to the San Bernardino County Fire
7 Protection District Fire Code and amended, to read:

8 **308.1.5 Locations Near Combustibles.** Notwithstanding Sections
9 305.1 and 308.3 et seq., open flames such as candles, lanterns, kerosene heaters, and
10 gas-fired shall not be located on or near decorative materials or similar combustible
11 materials.

12 (10) Section 308.1.9 is added to the San Bernardino County Fire
13 Protection District Fire Code and amended, to read:

14 **308.1.9 Sky Lanterns Prohibited.** The release or failure to prevent
15 the release of Sky Lanterns into the air without an effective means of control is
16 prohibited within the jurisdiction of the San Bernardino County Fire Department.

17 **EXCEPTION:** Sky Lanterns used for scientific or research
18 purposes when reasonable precautions are made to prevent loss of control or the
19 ignition of surrounding combustibles. Persons releasing Sky Lanterns used for scientific
20 or research purposes shall first submit a plan outlining the scientific or research purpose
21 and shall obtain a permit and specific conditions from the Fire Code Official.

22 (11) Sections 309, 310, and 311.1 are added to the San Bernardino
23 County Fire Protection District Fire Code and section 311.1 is amended, to read:

24 **311.1 General.** Temporarily unoccupied buildings, structures, premises,
25 or portions thereof, including tenant spaces, shall be safeguarded and maintained in
26 accordance with this Section, the California Building Code and the San Bernardino
27 County Code.

28 (12) Section 313 of the California Fire Code is added to the San

1 Bernardino County Fire Protection District Fire Code.

2 (13) Sections 315.4 and 315.6 are added to the San Bernardino County
3 Fire Protection District Fire Code and Section 315.6 is amended, to read:

4 **315.6 Incidental outside storage of pallets.** The incidental outside
5 storage of 200 or fewer pallets shall comply with the provisions of Section 315.4 of this
6 Code. Storage of more than 200 pallets at pallet manufacturing, storage or refurbishing
7 yards shall comply with the San Bernardino County Fire Department Fire Prevention
8 Standards.

9 (14) Section 315.7 is added to the San Bernardino County Fire
10 Protection District Fire Code and amended, to read:

11 **315.7 Outside storage of firewood.** The outside storage of firewood
12 shall comply with the provisions of Section 315 of the California Fire Code adopted
13 pursuant to Section 1(b) of the San Bernardino County Fire Protection District Fire Code
14 and San Bernardino County Fire Department Fire Prevention Standards.

15 (15) Section 315.8 is added to the San Bernardino County Fire
16 Protection District Fire Code and amended, to read:

17 **315.8 Storage of motor vehicles and trailers.** Outside storage of
18 automobiles, trucks, recreational vehicles, trailers and other similar vehicles on a
19 temporary or permanent basis shall meet the requirements of the San Bernardino
20 County Fire Department Fire Prevention Standards.

21 **Exceptions:**

22 (A) Parking of vehicles at wholesale or retail sales lots.

23 (B) Parking lots for public or private use where vehicles are
24 parked or stored on the premises without being moved for a period not exceeding 30
25 days.

26 (d) Chapter 4 of the California Fire Code is adopted into the San Bernardino
27 County Fire Protection District Fire Code.

28 (e) Chapter 5 of the California Fire Code is adopted into the San Bernardino

1 County Fire Protection District Fire Code and amended, as follows:

2 (1) Section 503.2 is added to the San Bernardino County Fire
3 Protection District Fire Code and amended, to read:

4 **503.2 Specifications.** Fire apparatus access roads shall be installed and
5 arranged in accordance with Sections 503.2.1 through 503.2.7. In addition, all fire
6 apparatus access roadways shall meet San Bernardino Fire Department Fire
7 Prevention Standards.

8 (2) Section 503.2.1 is added to the San Bernardino County Fire
9 Protection District Fire Code and amended, to read:

10 **503.2.1 Dimensions.** Fire apparatus access roads shall have an
11 unobstructed width of not less than 26 feet (7925 mm), except for approved security
12 gates in accordance with Section 503.6, and an unobstructed vertical clearance of not
13 less than 14 feet, 6 inches (4420 mm). Roadways that provide fire apparatus access to
14 buildings having occupied floors that are greater than two stories above such adjacent
15 roadways shall have an unobstructed width of 30 feet (9144 mm).

16 **EXCEPTIONS:**

17 (A) One-way access roads may have an unobstructed width of
18 not less than 20 feet (6096 mm).

19 (B) Driveways of one- and two-family dwellings shall be a
20 minimum of 12 feet (3658 mm) in width.

21 (C) Required access road dimensions may be modified when,
22 due to location on property, topography, waterways, nonnegotiable grades or other
23 similar conditions, the Fire Code Official determines that the conditions cannot be met.

24 (3) Section 503.2.2 is added to the San Bernardino County Fire
25 Protection District Fire Code.

26 (4) Section 503.2.3 is added to the San Bernardino County Fire
27 Protection District Fire Code and amended, to read:

28 **503.2.3 Surface.** Fire apparatus access roads shall be designed

1 and maintained to support the imposed loads of fire apparatus and shall be surfaced in
2 order to provide an all-weather driving surface capable of supporting an imposed load of
3 at least 75,000 pounds. Where road grades do not exceed eight percent (8%), and
4 where serving only one- or two-family dwellings or accessory Group U occupancies, the
5 Fire Code Official may approve roads constructed with approved native materials or
6 gravel compacted to eighty-five percent (85%) compaction.

7 (5) Sections 503.2.4 - 503.2.6 are added to the San Bernardino County
8 Fire Protection District Fire Code.

9 (6) Section 503.2.7 is added to the San Bernardino County Fire
10 Protection District Fire Code and amended, to read:

11 **503.2.7 Grade.** The grade of a fire apparatus access road or
12 driveway shall be a maximum of twelve percent (12%).

13 **Exceptions:**

14 (A) The grade of a fire apparatus access road or driveway may
15 be increased to fourteen percent (14%) for a distance not to exceed 500 feet with the
16 approval of the Fire Code Official based upon specific circumstances.

17 (B) The grade of a one- or two-family dwelling driveway may be
18 increased to a maximum of sixteen percent (16%) for a distance not to exceed 500 feet
19 in areas in which the Hillside Grading Standards pursuant to Chapter 83.08 of the San
20 Bernardino County Development Code apply and with the approval of the Fire Code
21 Official.

22 (C) Where more restrictive local city requirements apply.

23 (7) Section 503.2.8 is added to the San Bernardino County Fire
24 Protection District Fire Code.

25 (8) Section 503.3 is added to the San Bernardino County Fire
26 Protection District Fire Code.

27 (9) Section 503.4 is added to the San Bernardino County Fire
28 Protection District Fire Code and amended, to read:

1 **503.4 Obstruction of fire apparatus access roads.** Fire apparatus
2 access roads shall not be obstructed in any manner, including the parking of vehicles.
3 The minimum widths and clearances established in Section 503.2.1 shall be maintained
4 at all times. Any condition that serves as an impediment to fire access, or any vehicle or
5 other obstruction to fire access may be removed at the orders of the Department or
6 other governing agency in cooperation with the Department, with the expense of such
7 removal to be paid by the owner of the roadway, or of said vehicle or obstruction.

8 (10) Sections 503.4.1, 503.5 – 503.5.2, 503.6 are added to the San
9 Bernardino County Fire Protection District Fire Code.

10 (11) Section 504.4.1 is added to the San Bernardino County Fire
11 Protection District Fire Code and amended, to read:

12 **504.4.1 Foam Cornices.** Buildings with cornices or other trim at the
13 edge of a roof or parapet wall made of expanded foam plastic or other similar materials
14 shall be installed in accordance with San Bernardino County Fire Department Fire
15 Prevention Standards in order to allow a reliable surface on which a ladder can be used
16 to access the roof.

17 (12) Section 505.1 is added to the San Bernardino County Fire
18 Protection District Fire Code and amended, to read:

19 **505.1 Address numbers.** Newly constructed and existing buildings shall
20 have approved address numbers, building numbers or approved building identification
21 placed in a prominent position that is plainly legible and visible from the street or road
22 fronting the property. If there is more than one building on a lot and only one number is
23 assigned, the number shall be posted on the principal building or the building nearest
24 the street. These numbers shall contrast with the background to which they are
25 attached. Address numbers shall be Arabic numerals or alphabet letters. Such address
26 numbers shall be electrically illuminated by an internal or external source during the
27 hours of darkness.

28 (13) Sections 505.1.1 – 505.1.6 are added to the San Bernardino

1 County Fire Protection District Fire Code and amended, to read:

2 **505.1.1 Single family residential dwelling units.** All new
3 residential dwelling units, other than multifamily dwelling units, shall, in addition to the
4 requirements of Section 505.1 of the San Bernardino County Fire Protection District Fire
5 Code, be posted with address numbers that are:

6 A. Internally electrically illuminated so as to be visible during
7 the hours of darkness, or

8 B. Where building setbacks exceed 100 feet (30.5 m) from the
9 street or would otherwise be obstructed, numbers shall be displayed on an independent
10 structure, such as a post, at the property entrance. These additional numbers are not
11 required to be illuminated, but shall be reflective and meet the requirements of this
12 Section.

13 **505.1.2 Multifamily, commercial, and industrial buildings less**
14 **than 100,000 square feet.** All new multifamily, commercial, industrial, and other non-
15 residential use buildings less than 100,000 square feet (9290 m²) in area shall, in
16 addition to the requirements of Section 505.1 of the San Bernardino County Fire
17 Protection District Fire Code, be posted with address numbers that are:

18 A. Not less than eight inches (204 mm) in height, with a
19 minimum stroke width of 1 inch (25.5 mm); and

20 B. Where building setbacks exceed 200 feet (61 m) from the
21 street, or the numbers on the building would not be visible or would otherwise be
22 obstructed, additional numbers shall be displayed on an independent structure, at the
23 property entrance. These additional numbers shall not be less than six inches (153
24 mm) in height, with a minimum stroke width of 0.75 inches (19 mm) and shall otherwise
25 meet the requirements of this Section.

26 **505.1.3 Multifamily, commercial, and industrial buildings**
27 **100,000 square feet or larger.** All new multifamily, commercial, industrial, and other
28 non-residential use buildings 100,000 square feet (9290 m²) or larger in area shall, in

1 addition to the requirements of Section 505 and all other local requirements, be posted
2 with address numbers that are:

3 A. Not less than twelve inches (306 mm) in height, with a
4 minimum stroke width of 1.5 inch (38 mm); and

5 B. Where building setbacks exceed 200 feet (61 m) from the
6 street, or the numbers on the building would not be visible or would otherwise be
7 obstructed, additional numbers shall be displayed on an independent structure, at the
8 property entrance. These additional numbers shall not be less than six inches (153
9 mm) in height, with a minimum stroke width of 0.75 inches (19 mm) and shall otherwise
10 meet the requirements of this Section.

11 **505.1.4 Illuminated directory.** All new multiple dwelling unit
12 complexes of 20 or more units shall be provided with an illuminated directory at each
13 entry, clearly visible and within the setback area. The directory shall at a minimum
14 consist of a diagrammatic representation of the complex which shows the location of the
15 viewer and the unit designations within the complex.

16 **505.1.5 Individual units.** All individual residential units or tenant
17 lease spaces in a new multifamily, commercial, or industrial building shall be posted
18 with identification numbers, not less than 3 inches (76 mm) in height, that are
19 electrically illuminated and easily visible to approaching vehicular and/or pedestrian
20 traffic.

21 **505.1.6 Rear addressing.** Any business which affords vehicular
22 access to the rear through any driveway, alleyway, or parking lot shall also display the
23 same numbers on the rear of the building.

24 (14) Section 507.1 is added to the San Bernardino County Fire
25 Protection District Fire Code and amended, to read:

26 **507.1 Required water supply.** An approved water supply capable of
27 supplying the required fire flow for fire protection shall be provided to premises upon
28 which facilities, buildings or portions of buildings are hereafter constructed or moved

1 into or within the jurisdiction. In areas without a water purveyor capable of supplying the
2 required water supply, National Fire Protection Association standard 1142 (current
3 edition) shall be used to establish on-site water storage capacities, when allowed by the
4 Fire Code Official.

5 **EXCEPTION:**

6 (A) For single one- and two-family dwellings and attached
7 garages, and accessory Group U occupancies, not part of a parcel map, tentative tract
8 or other similar planned development, where an adequate water supply cannot be
9 provided by a water purveyor or well, the following alternatives may, when approved by
10 the Fire Code Official, be considered in lieu of an adequate water supply:

11 (I) The structure shall be located a minimum 50 foot
12 setback from all property lines, or

13 (II) Provide other approved alternate means and methods
14 as approved by the Fire Code Official.

15 (15) Section 507.2.3 is added to the San Bernardino County Fire
16 Protection District Fire Code and amended, to read:

17 **507.2.3 Temporary Water Supply.** When approved by the Fire
18 Code Official, a temporary water supply may be provided for buildings under
19 construction, prior to such buildings being occupied. Temporary water supplies shall be
20 in accordance with San Bernardino County Fire Department Fire Prevention Standards.

21 (16) Section 507.3 is added to the San Bernardino County Fire
22 Protection District Fire Code and amended, to read:

23 **507.3 Fire Flow.** Fire flow requirements for buildings or portions of
24 buildings and facilities shall be determined by an approved method below or Appendix
25 B.

26 (A) **EXCEPTION:** For single one- and two-family dwellings and
27 attached garages and accessory Group U occupancies, not part of a parcel map,
28 tentative tract or other similar planned development, where an adequate fire flow cannot

1 be provided by a water purveyor or well, or onsite water storage tanks, the following
2 alternatives may, when approved by the Fire Code Official, be considered as adequate
3 fire flow:

4 (I) The structure shall be located so as to provide a
5 minimum 50 foot setback from all property lines, or

6 (II) Provide other approved alternate means and methods
7 as approved by the Fire Code Official.

8 (17) Section 507.5.1 is added to the San Bernardino County Fire
9 Protection District Fire Code and amended, to read:

10 **507.5.1 Where required.** Where a portion of the facility or building
11 hereafter constructed or moved into or within the jurisdiction is more than 300 feet (91.5
12 m) from a hydrant on a fire apparatus access road, as measured by an approved route
13 around the exterior of the facility or building, on-site fire hydrants and mains shall be
14 provided where required by the Fire Code Official.

15 **Exception:**

16 (A) For Group R-3 and attached Group U occupancies,
17 equipped throughout with an approved automatic sprinkler system installed in
18 accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3, the distance requirement
19 shall not be more than 600 feet (183 m).

20 (B) Single one- and two-family dwellings and attached garages,
21 not part of a parcel map, tentative tract or other similar planned development, equipped
22 with an approved automatic residential fire sprinkler system or an approved self-
23 contained residential automatic sprinkler system, shall not be required to provide an on-
24 site hydrant when allowed by the Fire Code Official.

25 (18) Section 507.5.1.2 is added to the San Bernardino County Fire
26 Protection District Fire Code and amended, to read:

27 **507.5.1.2 Redundant water supplies.** New on-site fire hydrant
28 water systems that serve buildings greater than 100,000 square feet (9,290 m²) in floor

1 area shall have two separate remote connections to the public water system designed
2 and constructed in accordance with NFPA and San Bernardino County Fire Department
3 Fire Prevention Standards and approved by the Fire Code Official.

4 (19) Section 509.3 is added to the San Bernardino County Fire
5 Protection District Fire Code and amended, to read:

6 **509.3 Access to equipment in multi-unit buildings.** When automatic
7 fire sprinkler systems or fire alarm systems are installed in buildings constructed for
8 multiple tenants and these systems protect multiple tenant spaces, the main controls
9 and control appurtenances, such as risers, fire alarm control panels, and valves for such
10 systems, shall be located in an attached or included room or an approved weather
11 resistant enclosure with at least one exterior access door of not less than 3'-0" (918
12 mm) in width by 6'-8" (2040 mm) in height.

13 (20) Section 509.4 is added to the San Bernardino County Fire
14 Protection District Fire Code and amended, to read:

15 **509.4 Fire Control Room.** A fire control room for fire department
16 operations shall be provided in all newly constructed Group S-1 and S-2 distribution
17 warehouses greater than 300,000 square feet (27,870 m²) in floor area. The location
18 and accessibility of the fire control room shall be approved by the Fire Code Official.
19 The fire control room shall be separated from the remainder of the building by walls and
20 ceilings not less than one-hour fire partitions and shall have at least one exterior access
21 door of not less than 3'-0" (918 mm) in width by 6'-8" (2040 mm) in height. The room
22 shall be a minimum of 96 square feet (9m²) with a minimum dimension of 8 feet (2438
23 mm.) The room shall contain the following as a minimum:

24 (A) The fire alarm control unit and associated equipment,
25 including an annunciator panel displaying status of sprinkler control valves and
26 waterflow detectors.

27 (B) Main controls and indicators for mechanical smoke exhaust
28 systems.

1 (C) A printed graphic exhibit(s) showing the building floor plan,
2 automatic sprinkler systems, fire alarm systems, smoke exhaust systems, fire
3 department access doors, and any other equipment as required by the Fire Code
4 Official.

5 (D) Other firefighting equipment and system controls as required
6 by the Fire Code Official.

7 (f) Chapter 6 of the California Fire Code is adopted into the San Bernardino
8 County Fire Protection District Code and is amended, as follows:

9 (1) Section 603.1.4 of the San Bernardino County Fire Protection
10 District Fire Code is amended, to read:

11 **603.1.4 Fuel Oil.** The grade of fuel oil used in a burner shall be that
12 for which the burner is approved as stipulated by the burner manufacturer. Oil
13 containing gasoline or other materials, and used or crankcase oil shall not be used.

14 (2) Section 608.1 of the San Bernardino County Fire Protection District
15 Fire Code is amended, to read:

16 **608.1 Scope.** Stationary storage battery systems having an electrolyte
17 capacity of more than 50 gallons (189 L) for flooded lead-acid, nickel cadmium (Ni-Cd),
18 and valve-regulated lead-acid (VRLA), or 1,000 pounds (454 kg) for lithium-ion and
19 lithium metal polymer, used for facility standby power, emergency power, uninterrupted
20 power supplies, and powering industrial trucks and equipment shall comply with this
21 Section and Table 608.1.

22 (g) The following sections of Chapter 9 are added or amended as follows:

23 (1) Section 901.4.2 is added to the San Bernardino County Fire
24 Protection District Fire Code and amended, to read:

25 **901.4.2 Non-required fire protection systems.** Any fire protection
26 not required by this code or the California Building Code shall be allowed to be
27 furnished provided such installed system meets the requirements of this code, the
28 California Building Code, and the San Bernardino County Fire Department Fire

1 Prevention Standards.

2 (2) Section 901.4.2.1 is added to the San Bernardino County Fire
3 Protection District Fire Code and amended, to read:

4 **901.4.2.1 Partially Protected Structures.** Notwithstanding any other
5 provisions of this code or specific exemptions, no building or structure shall be partially
6 furnished with a new fire protection system.

7 **Exceptions:**

8 (A) Existing structures or buildings currently not protected when
9 the only fire protection system being installed is part of Type I commercial cooking hood
10 and duct system, other than an automatic sprinkler system, or any other system
11 required by Table 903.2.11.6.

12 (3) Section 901.8.2 is added to the San Bernardino County Fire
13 Protection District Fire Code and amended, to read:

14 **901.8.2 Theft deterrents.** The Fire Code Official is authorized to
15 require installation methods, mechanisms, or other technology that will serve to deter
16 theft or tampering with fire protection appliances.

17 (4) Section 903.2 is added to the San Bernardino County Fire
18 Protection District Fire Code and amended, to read:

19 **903.2 Where required.** Approved automatic fire sprinkler systems in new
20 building and structures shall be provided in the locations described in this section and
21 Sections 903.2.1 through 903.2.19.

22 (A) Notwithstanding any other provision of Sections 903.2.1
23 through 903.2.19, excluding any specific exception, or any more restrictive provisions of
24 any local ordinance of any political subdivision that contracts with the San Bernardino
25 County Fire Protection District, an approved automatic fire sprinkler system shall be
26 provided throughout all newly constructed buildings of any occupancy group, when the
27 gross floor area is equal to or exceeds 5,000 square feet (465m²), regardless of fire
28 resistive separation walls.

1 accordance with the San Bernardino County Fire Department Fire Prevention
2 Standards. An operational permit shall be obtained in accordance with Section
3 105.6.33.1.

4 (j) Appendix B is amended as follows:

5 **B105.2 Buildings other than one and two family dwellings.** The
6 minimum fire flow and flow duration for buildings other than one- and two- family
7 dwellings shall be as specified in table B105.1.

8 **Exception.** A reduction in required fire-flow of up to 50 percent, as
9 approved, is allowed when the building is provided with an approved automatic sprinkler
10 system installed in accordance with Section 903.3.1.1 or 903.3.1.2. A reduction in
11 required fire flow of up to 75 percent is allowed for isolated buildings of Group U
12 occupancy, agricultural uses, or other low hazard uses when approved by the Fire Code
13 Official. The resulting fire flow shall not be less than 1,500 gallons per minute (5678
14 L/min) for the prescribed duration as specified in Table B105.1

15 (k) Appendix C is amended as follows:

16 **C103.1 Fire hydrants available.** The number of fire hydrants available to
17 a complex or subdivision shall not be less than that determined by spacing
18 requirements specified in Section C105.1 when applied to fire apparatus access roads
19 and perimeter public streets from which fire operations could be conducted.

20 (l) Section C105.1 is amended, to read:

21 **C105.1 Hydrant Spacing.** The average spacing between fire hydrants
22 shall not exceed that specified by the San Bernardino County Fire Department Fire
23 Prevention Standards, specifically, 300 feet (91m) apart in industrial, commercial and
24 multifamily development, and 600 feet (183m) apart in all single family development.
25 Spacing of fire hydrants along public streets shall also be guided by other County or
26 City public works standards.

27 **Exception:** The Fire Code Official is authorized to accept a deficiency of
28 up to 10 percent where existing fire hydrants provide all or a portion of the required fire

1 hydrant service.

2 (m) Table C105.1 is deleted.

3 **3. Amendments to the California Residential Code.** The California Residential
4 Code as adopted by the San Bernardino County Fire Protection District is amended as
5 follows:

6 (a) Section R313.2 is amended, to read:

7 **R313.2 One- and two-family dwellings automatic fire systems.** An
8 automatic residential fire sprinkler system shall be installed in one-and two-family
9 dwellings, including new or used manufactured homes and in multi-unit manufactured
10 housing with two dwelling units manufactured after January 1, 2011 where a fire
11 sprinkler system would be normally be required in any residential unit that could be built
12 on the same site.

13 **EXCEPTIONS:**

14 (1) An automatic residential fire sprinkler system shall not be required
15 for additions or alterations to existing buildings that are not already provided with an
16 automatic residential sprinkler system.

17 (2) Used manufactured homes moved into the jurisdiction that do not
18 already have an automatic fire sprinkler system shall not be required to have a new
19 automatic fire sprinkler system installed.

20 (b) Section R313.2.1 is amended, to read:

21 **R313.2.1 Design and Installation.** Automatic residential fire sprinkler
22 systems shall be designed and installed in accordance with Sections R313.3 or NFPA
23 13D. Automatic residential fire sprinkler systems installed in new or used manufactured
24 homes and in multi-unit manufactured housing with two dwelling units shall be designed
25 and installed in accordance with California Code of Regulations, Title 25.

26 (c) Section R313.3.1.1 is amended, to read:

27 **R313.3.1.1 Required Sprinkler Locations.** Sprinklers shall be installed to
28 protect all areas of a dwelling unit.

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EXCEPTIONS:

(1) Attics, crawl spaces, built-up areas and normally unoccupied concealed spaces, less than 5 feet in height, that do not contain fuel-fired appliances do not require sprinklers. In those areas containing fuel-fired appliances, a sprinkler shall be installed above the appliance.

(2) Clothes closets, linen closets, and pantries not exceeding 24 square feet (2.2 m²) in area, with the smallest dimension not greater than 3 feet (915 mm) and having wall and ceiling surfaces of gypsum board.

(3) Detached garages; carports with no habitable space above; open attached porches, balconies or stairs, and similar areas.

(4) Sprinklers in new or used manufactured homes and in multi-unit manufactured housing with two dwelling units shall be installed in accordance with California Code of Regulations, Title 25.

(d) Section R313.3.5.2 is amended, to read:

R313.3.5.2 Required capacity. The water supply shall have the capacity to provide the required design flow rate for sprinklers for a period of time as follows:

(1) 7 minutes for dwelling units one story in height and less than 2,000 square feet (186 m²) in area. For the purposes of determining the area of the dwelling unit, the area of attached garages and attached open carports, porches, balconies and patios shall not be included.

(2) 10 minutes for dwelling units two or more stories in height or equal to or greater than 2,000 square feet (186 m²) in area. For the purposes of determining the area of the dwelling unit, the area of attached garages and attached open carports, porches, balconies and patios shall not be included.

Where a well system, a water supply tank system, a pump, or a combination thereof, is used, the water supply shall serve both domestic and fire sprinkler systems. Any combination of well capacity and tank storage shall be permitted to meet the capacity requirement.

1 **EXCEPTION:** Where a residential fire sprinkler system is supplied
2 by a stored water source with an automatically operated means of pressurizing the
3 system other than an electric pump, the water supply may serve the sprinkler system
4 only.

5 **4. Referenced Codes and Standards.**

6 The codes and standards referenced in this San Bernardino County Fire
7 Protection District Code shall be those that are listed in Chapter 80 of the California Fire
8 Code as adopted by this ordinance, and the San Bernardino County Fire Department
9 Fire Prevention Standards. Such codes, standards and interpretations shall be
10 considered part of the requirements of this San Bernardino County Fire Protection
11 District Code to the prescribed extent of each such reference. Where differences occur
12 between this Code and the referenced standards, the Fire Code Official shall determine
13 which requirements meet the intent of this Code.

14 **5. Conflicting Provisions.**

15 Where there is a conflict between a general requirement and a specific
16 requirement, the Fire Code Official shall determine which requirement meets the intent
17 of this Code. Provisions of the California Code of Regulations that are included in this
18 Code specifically or by reference shall prevail except where this Code contains a more
19 restrictive requirement.

20 **6. Validity and Severability.**

21 This San Bernardino County Fire Protection District Code shall not be in conflict
22 with state or federal law. If any section, subsection, sentence, clause or phrase of this
23 Code or the application thereof is held invalid, such invalidity shall not affect other
24 provisions or applications which can be given effect without the invalid provision or
25 application, and to this end the provisions of this Code are severable.

26 **7. No Liability or Warranty.**

27 The County of San Bernardino, the San Bernardino County Fire Protection
28 District, any political subdivision or district that contracts with the San Bernardino

1 County Fire Protection District, and their employees or agents shall not be held liable for
2 any act or omission or act done in good faith reliance upon state law, or the ordinance,
3 codes, standards, interpretations, policies or procedures of the San Bernardino County
4 Fire Protection District. The County of San Bernardino, the San Bernardino County Fire
5 Protection District, any political subdivision or district that contracts with the San
6 Bernardino County Fire Protection District, and their employees or agents shall not be
7 held liable for the negligence of, nor as the guarantor of proper performance by, any
8 person or entity holding any license, permit, certificate, registration, privilege or other
9 entitlement from the District.

10 **8. Authority - General**

11 The Fire Code Official shall implement, administer, and enforce the provisions of
12 this San Bernardino County Fire Protection District Code and shall have the authority to
13 render interpretations of the Code, and the standards of the National Fire Protection
14 Association. The Fire Code Official shall also have the authority to adopt policies,
15 procedures, rules and regulations in order to clarify the application of this Code. Such
16 interpretations, policies, procedures, rules and regulations shall be in compliance with
17 the intent of this Code. Violations of any interpretation, policy, procedure, rule or
18 regulation shall be considered a violation of the provisions of this Code.

19 **9. Authority at Fires or Other Emergencies.**

20 (a) The Fire Chief/Fire Warden, Fire Code Official or any officer of the San
21 Bernardino County Fire Protection District in charge at the scene of a fire or other
22 emergency involving the protection of life or property shall have the authority to direct
23 operations as necessary to extinguish or control any fire, perform any rescue operation,
24 investigate the existence of suspected or reported fires, gas leaks, or other hazardous
25 conditions or situations, or take any other action necessary in the reasonable
26 performance of duty. In the exercise of such authority, the Fire Chief/Fire Warden, Fire
27 Code Official or officer is authorized to prohibit any person, vehicle, vessel or thing from
28 approaching the scene and is authorized to remove or cause to be removed, or keep

1 away from the scene any person, vehicle, vessel or thing which could impede or
2 interfere with the operations of the fire department.

3 (b) The Fire Chief/Fire Warden, Fire Code Official or officer of the San
4 Bernardino County Fire Protection District in charge at the scene of a fire or other
5 emergency is authorized to place ropes, tape, flagging, barricades, guards or other
6 obstructions across any street, alley, place, driveway or private property in the vicinity of
7 such operation so as to prevent accidents or interference with the lawful operations of
8 the fire department to manage and control the situation and to allow the safe operation
9 of fire, rescue and investigation apparatus.

10 (c) The Fire Chief/Fire Warden, Fire Code Official or officer of the San
11 Bernardino County Fire Protection District in charge at the scene of a fire or other
12 emergency is authorized to disconnect or authorize disconnection of utility service to
13 any building, structure, vehicle or system in order to safely execute emergency
14 operations or to eliminate an immediate hazard.

15 **10. Authority to Inspect, Issue Notices and Administrative Citations or Abate a**
16 **Public Nuisance.**

17 (a) Whenever it is necessary to make an inspection to enforce the provisions
18 of this Code, or whenever the Fire Code Official has reasonable cause to believe that
19 there exists in a building or premises any conditions or activity requiring a permit
20 authorized by this Code, or reasonably believes that there are any violations of this
21 Code which make a building, premises, condition or activity unsafe, dangerous or
22 hazardous, the Fire Code Official and those personnel designated by the Fire Code
23 Official are authorized to enter, at all reasonable times, upon any property, premises,
24 enclosure, structure, vehicle or vessel within the unincorporated areas of the County of
25 San Bernardino or within any political subdivision or district that contracts with the San
26 Bernardino County Fire Protection District to determine whether the building, property,
27 premises, enclosure, structure, vehicle, vessel, condition or activity is in compliance with
28 this Code, or whether a violation of this Code has occurred or is occurring, and to make

1 any inspection as may be necessary in the performance of their enforcement duties, to
2 issue a Notice of Correction, Notice of Violation or to issue a Stop Work Order or
3 citation.

4 (b) The Fire Code Official and those persons designated by the Fire Code
5 Official are authorized to take of photographs, samples, or other physical evidence, and
6 make video and/or audio recordings. All such entries and inspections shall be done in a
7 reasonable manner. If an owner, lawful occupant, or the respective agent, employee, or
8 representative thereof, refuses permission to enter and/or to inspect, the District may
9 seek an administrative inspection warrant pursuant to the procedures provided by
10 California Code of Civil Procedure Sections 1822.50 through 1822.59, as may be
11 amended from time to time, or the successor provisions thereto.

12 (c) The Fire Code Official and those persons designated by the Fire Code
13 Official are authorized to investigate, detain, and issue criminal or administrative
14 citations for any violation of this Code or of the provisions of any code or standard
15 adopted and incorporated by reference by this Code.

16 (d) Any violation of this Code, the California Fire Code, the San Bernardino
17 County Fire Department Fire Prevention Standards or of the provisions of any code
18 adopted and incorporated by reference by this Code may be deemed a fire hazard by
19 the Fire Code Official and acted upon pursuant to the public nuisance abatement
20 provisions of Chapter 5 of Division 3 of Title 2 of the San Bernardino County Code
21 beginning with Section 23.0503.

22 **11. Closure of public and private lands.** When it is determined by the Fire Code
23 Official that conditions exist on public lands within a Wildfire Risk Area that present an
24 immediate, exceptional, or continuing danger, the Fire Chief/Fire Warden is authorized
25 to close the affected areas and prohibit the entry of the general public. Prior to closure
26 of private property, notification of the closure shall be made to any concerned property
27 owners and consent obtained. Upon closing and prohibiting entry to public lands, signs
28 shall be posted at the entry points of the affected areas indicating that the area is closed

1 due to the existence of dangerous conditions and that entry is prohibited. Prior to
2 closing and prohibiting entry to any State or Federally controlled lands, notification shall
3 be made and consent obtained from the Director of Forestry and Fire Protection or U.S.
4 Forest Service, as appropriate. Any public highway traversing such a closed area,
5 shall, however, be excluded from the order of closure, and the closure to entry does not
6 prohibit or curtail the entry or use of the lands by the owner of the lands or his agent,
7 nor the entry by any federal, state or county officer upon the closed area in the
8 performance of his official duties. All state and county law enforcement officers shall
9 enforce the order of closure.

10 **12. Interference Unlawful.**

11 (a) It shall be unlawful for any person or entity to deny access to, interfere
12 with, prevent, restrict, obstruct, or hinder employees or agents of the San Bernardino
13 County Fire Protection District acting within the scope of their duty.

14 (b) It shall be unlawful for any person to render a system or device inoperative
15 during an emergency unless by direction of the Fire Chief/Fire Warden, Fire Code
16 Official or officer of the San Bernardino County Fire Protection District in charge at the
17 scene of a fire or other emergency.

18 **13. Official Records.**

19 The Fire Code Official shall keep official records as required by Sections 104.6.1
20 through 104.6.4. Such official records shall be retained for not less than five years or
21 for as long as the structure or activity to which such records relate remains in existence,
22 or in accordance with San Bernardino County Fire Protection District Operations
23 Directive 1300 and the Special Districts Records Retention Schedule, whichever is
24 greater.

25 **14. Permits Required.**

26 A permit is required to conduct any activity, business, construction, work or use
27 of equipment or to install or modify systems or equipment requiring a permit pursuant to
28 Section 105 of the California Fire Code. Permits shall be obtained from the Fire Code

1 Official. Permit fees shall be paid prior to the issuance of the permit.

2 **15. Fees.**

3 (a) Reasonable fees, not to exceed the actual costs, for any permit, license,
4 inspection, plan or technical review, related work or services required pursuant to this
5 Code, the California Fire Code or the San Bernardino County Fire Department Fire
6 Prevention Standards shall be paid pursuant to a fee schedule established by action of
7 the Board of Directors, as may be amended from time to time.

8 (b) Any person who conducts any activity, business, construction, work or use
9 of equipment or to install or modify systems or equipment requiring a permit pursuant to
10 Section 105 prior to obtaining said permits shall be subject to an additional fee, which
11 shall be in addition to the required permit.

12 **16. Applications and Permits – Abandonment, Period of Validity, Expiration
13 and Extensions.**

14 (a) An application for a permit for any proposed work or operation and its
15 associated fee shall be deemed to have been abandoned if the applicant fails to submit
16 any required documentation within 180 days after the date of filing or the date an
17 application or plans have been returned by the Department for correction, or the date
18 the Department has requested additional information or documentation. The Fire Code
19 Official is authorized to grant one or more extensions of time to submit such
20 documentation or corrections for a period not to exceed 90 days. All requests for
21 extension shall be made, in writing, by the applicant prior to abandonment and shall
22 provide justifiable cause to extend the application review period.

23 (b) Permits issued under the provisions of this Code shall remain in effect as
24 follows:

25 (1) Operational permits shall remain in effect for a period of time as
26 specified in the permit, not to exceed one year from issuance or until revoked.

27 (2) Construction permits shall automatically expire and become invalid
28 unless the work authorized by such permit is commenced within 180 days after its

1 issuance, or if the work authorized by such permit is suspended or abandoned for a
2 period of 180 days after the time the work is commenced. Suspension or abandonment
3 shall mean that no inspection by the Department has occurred within 180 days of any
4 previous inspection.

5 (3) After a construction permit becomes invalid or expired and before
6 such previously approved work recommences, a new permit shall be first obtained and
7 the fee to recommence work shall be payable according to the approved fee schedule,
8 provided no changes have been made or will be made in the original construction
9 documents for such work, and provided further that such suspension or abandonment
10 has not exceeded one year. Permits which have been expired for one year or more
11 shall be deemed invalid and will require a new application, payment of fees and
12 submittal of plans and review.

13 (4) Notwithstanding any other provision of law, construction permits
14 that have expired and are renewed are subject to any new applicable codes as would
15 be required for a new project.

16 (c) A permittee holding an unexpired permit shall have the right to apply for
17 an extension of the time within which the permittee will commence work under that
18 permit when work is unable to be commenced within the time required by this Section
19 for good and satisfactory reasons. The Fire Code Official is authorized to grant, in
20 writing, one or more extensions of the time period of a permit for periods of not more
21 than 180 days each. Such extensions shall be requested by the permittee in writing and
22 justifiable cause shall be demonstrated. The Fire Code Official shall have the right to
23 refuse a permit extension if it is determined that the permittee has no justifiable cause.
24 If a permit extension is refused, the provisions of this Section shall apply upon
25 expiration.

26 (d) Any application submitted or permit issued pursuant to a planning
27 application process (including but not limited to Conditional Use Permits, Minor Use
28 Permits, Site Plans, Tentative Tracts, Planned Developments, etc.) through the

1 Planning Division of the San Bernardino County Land Use Services Department and its
2 successors, or a similar process through the planning department (or similar) of any
3 political subdivision or district which contracts with the San Bernardino County Fire
4 Protection District may, at the discretion of the Fire Code Official, be subject to the
5 respective abandonment, period of validity, expiration and extension policies, rules and
6 regulations of those entities in lieu of this Section.

7 **17. Permits not Transferable.**

8 (a) For operational permits, any change in occupancy, operation, tenancy, or
9 ownership shall require that a new permit be issued.

10 (b) Pursuant to Business and Professions Code 7031.5, only a contractor,
11 licensed by the State of California to perform the type of work proposed in the permit
12 application, may apply for and be issued, a construction permit required pursuant to
13 Section 105.7 et seq. of the San Bernardino County Fire Protection District Fire Code.
14 Any change of contractor named to conduct the permitted work shall require that a new
15 permit be issued.

16 **EXCEPTIONS:**

17 (1) Owner-Builders intending to occupy the single-family dwelling in
18 which they obtain a permit to install a fire protection system if they have not constructed
19 more than two such dwellings in the past year pursuant to Business and Professions
20 Code Section 7062.12.

21 (2) Public agencies and those public utilities exempted pursuant to
22 Business and Professions Code Section 7040 et seq.

23
24 **18. Permit Revocation.**

25 The Fire Code Official is authorized to revoke a permit issued pursuant to
26 Section 105 of the San Bernardino County Fire Protection District Fire Code when it is
27 found by inspection or otherwise that conditions including, but not limited to, any one of
28 the following occurred:

1 (a) The permit is used for a location or establishment other than that for which
2 it was issued;

3 (b) The permit is used for a condition or activity other than that listed on the
4 permit;

5 (c) Conditions and limitations set forth in the permit have been violated;

6 (d) There have been false statements or misrepresentations as to the material
7 facts in the application for permit or submitted plans or a condition of the permit;

8 (e) The permit is used by a different person or firm than the name for which it
9 was issued;

10 (f) The permittee failed, refused or neglected to comply with orders or notices
11 duly served in accordance with the provisions of this Code within the time provided
12 therein;

13 (g) If a permit is revoked for any of the above reasons, the permit fee shall be
14 abandoned.

15 (h) If the permit was issued in error or in violation of any state or federal law,
16 local ordinance, regulation, this Code or the San Bernardino County Fire Department
17 Fire Prevention Standards, the permit may be revoked. However, if any permit is
18 revoked for this reason the permit fee shall be returned to the applicant.

19 **19. Operation or Construction Without a Permit or With an Expired or Revoked**
20 **Permit.**

21 It shall be unlawful for any person to operate or allow the operation of any
22 activity, business, construction, work or use of equipment or to install or modify systems
23 or equipment requiring a permit pursuant to Section 105 of the San Bernardino County
24 Fire Protection District Fire Code when said permits have not been obtained or said
25 permits have expired or have been revoked.

26 **20. Issuance of Stop Work Orders.**

27 (a) The Fire Code Official is authorized to issue an order requiring any
28 activity, business, construction, work or use of equipment to immediately cease

1 whenever it is found that such activity, business, construction, work or use of equipment
2 is being performed in a manner in violation of this Code or in a dangerous or unsafe
3 manner. Stop work orders may also be issued for any overcrowding beyond the
4 approved capacity of a building,

5 (b) A stop work order shall be issued in writing and shall be given to the
6 permittee or his agent, or to the person conducting the activity, business, construction,
7 work or use of equipment if no permit has been issued. The stop work order shall state
8 the reason for the order and the conditions under which the stopped activity, business,
9 construction, work or use of equipment may resume.

10 (c) A device, tag or seal preventing the use of equipment in violation of this
11 Code or posing a hazard may be affixed to the equipment at the time a stop work order
12 is issued.

13 (d) The Fire Code Official may immediately abate or cause to be abated any
14 overcrowding situation, or remove or cause to be removed any obstructions in aisles,
15 passageways or other means of egress, including the cutting or removing of locks,
16 chains or other means of sealing or blocking exits.

17 (e) Where an emergency or potential emergency exists, the Fire Code Official
18 shall not be required to give written notice prior to stopping the work, abating an
19 overcrowding situation or removing an obstruction that would prevent immediate egress
20 in the event of an emergency.

21 (f) Upon issuance of a stop work order, the non-compliant, dangerous or
22 unsafe activity, business, construction, work or use of equipment, overcrowding
23 situation, or egress obstruction shall immediately cease or be abated.

24 **21. Failure to Comply with a Stop Work Order.**

25 It shall be unlawful for any person to continue any activity, business,
26 construction, work or use of equipment after being issued a stop work order, except
27 such work as that person is directed to perform by the Fire Code Official to remove a
28 violation or unsafe condition.

1 **22. Service of Notices and Orders.**

2 Notices and Orders issued pursuant to this Code shall be served in the following
3 manner:

4 (a) If a permittee or his agent, or the person conducting the activity, business,
5 construction, work or use of equipment or other responsible party is present at the
6 scene of the violation, the notice or order shall be issued by personal service.

7 (b) If the responsible party is a business, and the business owner is on the
8 premises, the notice or order shall be personally served to the business owner. If the
9 business owner is not on the premises and the only responsible party that can be
10 located is the manager or on-site supervisor, the notice or order may be issued in the
11 name of the business and a copy given to the manager or on-site supervisor. A copy of
12 the notice or order shall also be mailed to the business owner by certified mail, return
13 receipt requested, and by first class mail. If a copy of the notice or order that is sent by
14 certified mail is returned by the United States Postal Service unsigned or marked
15 "unclaimed" and/or "refused," then service by first class mail shall be deemed effective
16 provided it is also not returned by the United States Postal Service.

17 (c) If a responsible party cannot be located at the premises or the activity,
18 business, construction, work or use of equipment is located at an unattended or
19 abandoned site, then a copy of the notice or order shall be posted in a conspicuous
20 place on or near the site or equipment, if practicable, and a copy mailed by certified
21 mail, return receipt requested, and by first class mail, to each responsible party at their
22 last known addresses as they appear on the last County equalized assessment role, or
23 any other available public records related to title or ownership of the property or
24 equipment that is the subject of the notice or order. If the copy of the notice or order
25 sent by certified mail to a responsible party is returned by the United States Postal
26 Service with the mail receipt unsigned, or marked "unclaimed" and/or "refused," then
27 service by first class mail shall be deemed effective provided it is also not returned by
28 the United States Postal Service.

1 (d) The failure of any responsible party to receive a copy of the notice or order
2 shall not affect the validity of the notice or order.

3 **23. Tampering with Notices, Orders or Seals Unlawful.**

4 It shall be unlawful to mutilate, destroy or tamper with or remove without
5 authorization any notice, order, tag, sign, or seal posted or affixed by the Fire Code
6 Official.

7 **24. Overcrowding Unlawful.**

8 It shall be unlawful for any person to allow overcrowding or admittance of any
9 person beyond the approved capacity of a building or portion thereof.

10 **25. Obstructed Egress Unlawful.**

11 It shall be unlawful for any person to obstruct any aisle, passageway or other
12 means of egress, or to lock, chain, bar or otherwise block any required means of
13 egress.

14 **26. Open Fires.**

15 (a) **General.** It shall be unlawful for any person to kindle, or maintain an open
16 fire, or for a person to allow an open fire to be kindled or maintained on their property
17 except in accordance with the provisions of this Code and the San Bernardino County
18 Fire Department Fire Prevention Standards.

19 (b) **Permit Required.** When required pursuant to this Code, a permit shall be
20 obtained from the San Bernardino County Fire Protection District prior to kindling any
21 open fire.

22 **EXCEPTION:** Barbecues used at one- and two-family dwellings unless
23 otherwise regulated.

24 (c) **Prohibited Open Fires.** It shall be unlawful to kindle, or maintain, or to
25 allow to be kindled or maintained on their property any of the following open fires
26 anywhere within the jurisdiction of the San Bernardino County Fire Protection District:

27 (1) Any open fire that is offensive or objectionable because of smoke
28 emission, ember production, or when local atmospheric conditions or circumstances

1 make such fires hazardous.

2 (2) Any open fire in which any waste or manufactured material,
3 including but not limited to petroleum products and petroleum wastes; construction and
4 demolition debris; coated wire; putrescible wastes; tires; tar; tarpaper; non-natural wood
5 waste; processed or treated wood and wood products; metals; rubber; synthetics;
6 plastics, including plastic film, twine and pipe; fiberglass; styrofoam; garbage; trash;
7 refuse; rubbish; disposable diapers; ashes; glass; industrial wastes; manufactured
8 products; equipment; instruments; utensils; appliances; furniture; cloth; rags; paper or
9 paper products; cardboard; boxes; crates; excelsior; offal; swill; carcass of a dead
10 animal; manure; human or animal parts or wastes, including blood; and fecal- and food-
11 contaminated material, hazardous materials or wastes, paints, asbestos, trees, or other
12 similar combustible or flammable solid, liquid or gaseous waste are burned.

13 (3) Any open fire in which wire is burned to remove insulation.

14 (4) Any open fire in which metals or motor vehicle bodies are burned to
15 recover salvageable components.

16 (5) Any open fire using a "burn barrel" as prohibited pursuant to 17
17 CCR Section 93113(c)(2).

18 (6) Residential burning and Open Fires within the South Coast Air
19 Quality Management District (SCAQMD) boundaries.

20 **EXCEPTIONS:**

21 (A) Open Burning Projects permitted by the Fire Code Official
22 where a fire hazard is declared by the Fire Code Official and such fire hazard cannot be
23 abated by any other means.

24 (B) Open Burning Projects within the SCAQMD boundaries
25 conducted solely for the disposal of Russian Thistle or agricultural burning and under
26 permit by the SCAQMD.

27 (C) Open Fires conducted for fire prevention or suppression
28 training, prescribed burns conducted by fire protection agencies, fireworks displays and

1 pyrotechnic special effects under permit, and bomb, explosives, fireworks or contraband
2 disposal or training by a law enforcement or fire protection agency.

3 (D) Recreational Fires conducted in accordance with this
4 Section.

5 (E) Barbecues and Barbecue Pits

6 (7) Any other open fire conducted in violation of this Code or the San
7 Bernardino County Fire Department Fire Prevention Standards.

8 (d) **Special Burn Prohibitions.**

9 It shall be unlawful to kindle, or maintain any open fire, or allow any open fire to
10 be kindled or maintained on their property under the following conditions:

11 (1) An Open Burning Project or Residential Burning on any day other
12 than a Permissive Burn Day as declared by the Air Quality Management District in
13 which the burning will occur.

14 (2) An Open Burning Project, Residential Burning, Bonfire, or
15 Barbecue Pit on a property within any Wildfire Risk Area as defined in Section 202.

16 **EXCEPTION:**

17 (A) A Bonfire or Barbecue Pit may be kindled within a Wildfire
18 Risk Area if within an Organized Camp or other location with the specific written
19 approval of the Fire Code Official and all requirements of this Section are adhered to.

20 (B) Open Burning Projects permitted by the Fire Code Official
21 where a fire hazard is declared by the Fire Code Official and such fire hazard cannot be
22 abated by any other means.

23 (3) When local sustained winds exceed 10 miles per hour.

24 **EXCEPTION:**

25 Covered barbecues, or Recreational Fires confined to a permanent
26 fire ring and fueled solely by liquefied petroleum gas or natural gas, or Portable Outdoor
27 Fireplaces fueled solely by liquefied petroleum gas or natural gas.

28 (4) Within the boundaries of a State Responsibility Area, including

1 private property, in violation of any requirements or burn restriction imposed by the
2 California Department of Forestry & Fire Protection (CalFire) or the California Office of
3 the State Fire Marshal.

4 (5) Within the boundaries of the San Bernardino National Forest,
5 including private property, in violation of any requirements or burn restriction imposed
6 by the Forest.

7 (6) Within the boundaries of the Bureau of Land Management (BLM)
8 land, including private property, in violation of any requirements or burn restriction
9 imposed by BLM.

10 (7) When a Red Flag Warning or Fire Weather Watch is in effect for
11 the location in which the fire is to be kindled.

12 **EXCEPTION:**

13 Covered barbecues, or Recreational Fires confined to a permanent
14 fire ring and fueled solely by liquefied petroleum gas or natural gas, or Portable Outdoor
15 Fireplaces fueled solely by liquefied petroleum gas or natural gas.

16 (8) When the Fire Code Official has determined that local atmospheric
17 or other conditions present an increased risk of an escaping fire or other hazardous
18 situation.

19 (e) **Authorization.**

20 (1) A permit to kindle a fire shall only be issued to the owner of the
21 property upon which the fire is to be kindled.

22 **EXCEPTION:** When written authorization from the property owner
23 is provided, a permit may be issued to the person named in the authorization.

24 (2) Prior to applying for a permit to conduct an Open Burning Project,
25 written authorization or a permit from the Air Quality Management District (AQMD) for
26 the area in which the burning will occur must be provided. When authorized by the
27 AQMD, the San Bernardino County Fire Protection District may issue that permit.

28 (f) **Extinguishment Authority.** The Fire Code Official is authorized to order

1 or cause the extinguishment of any fire that creates or adds to a hazardous condition,
2 creates smoke emissions offensive to occupants of surrounding properties, is
3 conducted without a permit when such a permit is required, or is conducted outside of
4 the parameters set forth in this Section or a permit, when required. This authority
5 includes ordering the extinguishment of a fire within the fireplace of a private residence
6 when such a fire meets the criteria above.

7 (g) **Specific Fire Requirements.** All open fires shall also meet the following
8 requirements:

9 (1) **Open Burning Projects.** All Open Burning Projects shall meet the
10 requirements of this Section and the requirements of Rule 444 of the AQMD in which
11 the Open Burning Project will occur.

12 (A) **Permits.** A permit to kindle or maintain an Open Burning
13 Project shall be obtained from the AQMD and the Fire Code Official prior to kindling the
14 fire. All conditions of the permit and the AQMD's Rule 444 shall be adhered to.

15 (B) **Burn Periods.** Open Burning Projects shall only be
16 commenced and shall be completed within the periods specified in Rule 444 of the
17 AQMD in which the burn will occur, the periods specified in the municipal code of the
18 city or town in which the burn will occur, or the periods specified in the San Bernardino
19 County Fire Department Fire Prevention Standards, whichever is most restrictive.

20 (C) **Location.**

21 (I) Open Burning Projects shall not be located less than
22 50 feet from any structure or combustible materials.

23 **EXCEPTION:** When burn piles do not exceed 3 feet
24 in width or 2 feet in height, the minimum distance from a structure or other combustible
25 materials may be reduced to 25 feet.

26 (II) Open Burning Projects may only take place at the
27 location for which the permit is issued.

28 (D) **Open Burning Project Piles.**

- 1 (I) Piles to be burned shall not exceed 6 feet in width or
2 4 feet in height.
- 3 (II) Piles to be burned shall be separated by a minimum
4 of 10 feet.
- 5 (III) Piles to be burned shall not be placed in a pit or
6 depression.

7 (2) **Bonfires.**

8 (A) Permits. A permit to kindle or maintain a bonfire shall be
9 obtained from the Fire Code Official prior to kindling the fire. All conditions of the permit
10 shall be adhered to.

11 (B) Location. A bonfire shall not be kindled or maintained within
12 50 feet from any structure or combustible materials.

13 **EXCEPTION:** When a bonfire is confined to a barbecue pit
14 and is used solely to produce coals for cooking, the minimum distance from a structure
15 or other combustible materials may be reduced to 30 feet.

16 (3) **Recreational Fires.**

17 (A) Permits. A permit to kindle a Recreational Fire shall be
18 obtained from the Fire Code Official pursuant to this Code prior to kindling the fire. All
19 conditions of the permit shall be adhered to.

20 **EXCEPTION:** When a Recreational Fire, confined to a
21 permanent fire ring, is fueled solely by liquefied petroleum gas or natural gas, a permit
22 is not required.

23 (B) Location.

24 (I) A Recreational Fire shall not be kindled or maintained
25 within 25 feet of a structure or combustible materials.

26 **EXCEPTION:** When a Recreational Fire, confined to a
27 permanent fire ring, is fueled solely by liquefied petroleum gas or natural gas, the
28 minimum distance from a structure or other combustibles may be reduced to 15 feet.

1 (II) Recreational Fires located within a Wildfire Risk Area
2 shall only be kindled within the property of an inhabited residence or a designated
3 campsite.

4 (4) **Portable outdoor fireplaces.**

5 (A) Permits. A permit to kindle a fire in a Portable Outdoor
6 Fireplace used within a Wildfire Risk Area shall be obtained from the Fire Code Official
7 prior to kindling the fire. All conditions of the permit shall be adhered to.

8 **EXCEPTION:** When a Portable Outdoor Fireplace is fueled
9 solely by liquefied petroleum gas or natural gas, a permit is not required.

10 (B) Location.

11 (I) A Portable Outdoor Fireplace used within a Wildfire
12 Risk Area shall not be kindled or maintained within 15 feet of a structure or combustible
13 materials.

14 **EXCEPTION:** At one- and two-family dwellings only, a
15 Portable Outdoor Fireplace may be located on a combustible patio or balcony if
16 provisions are made to prevent to Portable Outdoor Fireplace from contacting any
17 combustible materials.

18 (II) Portable Outdoor Fireplaces shall not be located on
19 any patio or balcony which is part of a multi-family dwelling such as an apartment, or
20 attached townhomes or condominiums.

21 (C) Spark Arrestors. All Outdoor Fireplaces, portable or fixed,
22 shall have a spark arresting screen covering all openings and constructed in
23 accordance with Section 305.5 of the California Fire Code, as amended.

24 (5) **Barbecues and Barbecue Pits.** A fire in a Barbecue Pit with total
25 fuel area greater than 3 feet in width or 2 feet in height shall meet the requirements of a
26 Bonfire pursuant to Section 26(g)(2).

27 (A) Permits.

28 (I) A permit to kindle a fire in a barbecue is not required.

1 (II) A permit to kindle a fire in a Barbecue Pit shall be
2 obtained from the Fire Code Official prior to kindling the fire. All conditions of the permit
3 shall be adhered to.

4 (B) Location.

5 (I) Barbecues shall not be operated on combustible
6 balconies or decks, or within 10 feet of combustible construction.

7 **Exceptions:**

8 (i) One- and two-family dwellings where
9 provisions are made to prevent the fire from spreading to any combustible materials.

10 (ii) Where buildings, balconies and decks are
11 protected by an automatic sprinkler system.

12 (iii) LP-gas cooking devices having an LP-gas
13 container with a water capacity not greater than 2 ½ pounds. Containers shall not be
14 manifolded together to increase capacity.

15 (iv) Cooking devices heated solely using a catalytic
16 heating element with no flame production.

17 (II) A Barbecue Pit shall not be kindled or maintained
18 within 20 feet of a structure or combustible materials.

19 (h) All Open Fires shall be constantly attended by a responsible adult, 18
20 years of age or older, until the fire is completely extinguished. A minimum of one
21 portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other
22 approved on-site fire-extinguishing equipment such as dirt or sand with a shovel, water
23 barrel, hose attached to a working water source, or water truck, shall be available for
24 immediate utilization.

25 (i) Ash and Ember Disposal. Ashes and embers from any open fire,
26 barbecue or fireplace shall be placed only in a covered metal or other non-combustible
27 container after being thoroughly cooled with water. At no time shall ashes or embers be
28 deposited in the trash or on the ground, or placed on a combustible surface until it is

1 confirmed that the ashes or embers are no longer hot to the touch.

2 **27. Explosives, Fireworks, Pyrotechnics, Rockets and Rocket Motors**

3 (a) It shall be unlawful for any person to manufacture, store, possess, handle,
4 sell, use, launch or create a public display of any Explosive, Firework, Pyrotechnic,
5 Rocket or Rocket Motors except in accordance with the San Bernardino County Fire
6 Protection District Fire Code Chapter 56 as adopted from the California Fire Code, the
7 San Bernardino County Fire Department Fire Prevention Standards and Interpretations
8 and any provision of any code or standard adopted or incorporated by reference by this
9 Code.

10 **EXCEPTIONS:**

11 (1) The Armed Forces of the United States, Coast Guard or National
12 Guard.

13 (2) Explosives in forms prescribed by the official United States
14 Pharmacopoeia.

15 (3) The possession, storage and use of small arms ammunition when
16 packaged in accordance with DOT packaging requirements.

17 (4) The use of explosive materials by federal, state and local
18 regulatory, law enforcement and fire agencies acting in their official capacities.

19 (5) Items preempted by federal regulations.

20 (b) The storage of explosives and blasting agents is prohibited in residential
21 areas, principal business districts, closely-built commercial areas and heavily-populated
22 areas, except as permitted by the San Bernardino County Sheriff's Department and the
23 San Bernardino County Fire Protection District in accordance with California Code of
24 Regulations, Title 19, and Title 4, Division 5 of the San Bernardino County Code.

25 (c) Unless otherwise permitted, the possession, storage, use, sale and
26 handling of any fireworks is prohibited within the County of San Bernardino and the
27 District. The possession, storage, sale, handling and use of specific types of approved
28 fireworks may be allowed pursuant to local laws, ordinances and regulations within

1 incorporated cities and towns of the County, provided such fireworks comply with
2 California Code of Regulations, Title 19, and labeled "Safe and Sane" by the California
3 State Fire Marshal.

4 (d) The Fire Code Official and his designees are authorized to seize, take,
5 remove or cause to be removed, at the expense of the owner, all stocks of fireworks,
6 including but not limited to, Division 1.4G consumer fireworks, as classified pursuant to
7 Title 49 Code of Federal Regulations, possessed, offered or exposed for sale, stored or
8 held in violation of any state or local laws and ordinances.

9 (e) The use of model and high-power rockets is prohibited within Wildfire Risk
10 Areas as defined in San Bernardino County Fire Protection District Fire Code Section
11 202 (as amended) except as permitted by the San Bernardino County Fire Protection
12 District.

13 (f) Permits shall be required as set forth in San Bernardino County Fire
14 Protection District Fire Code Section 105.6.14 (as amended) and regulated in
15 accordance with this Section. Permits shall be obtained from the San Bernardino
16 County Fire Protection District and the San Bernardino County Sheriff's Department in
17 accordance with Title 4, Division 5, Chapter 2, Section 45.0201 of the San Bernardino
18 County Code to:

19 (1) manufacture, possess, store, sell, display or otherwise dispose of
20 explosive materials at any location;

21 (2) transport explosive materials;

22 (3) use explosive materials;

23 (4) operate a terminal for handling explosive materials; or

24 (5) transport blasting caps or electric blasting caps on the same vehicle
25 with explosives.

26 (g) In addition to the requirements set forth in this chapter, the Sheriff's
27 Department or the Fire Protection District may, for the safety and security of the public,
28 set additional requirements for a permit application. The Sheriff's Department shall

1 notify the Fire Protection District, as soon as practicable, when any application has been
2 made for an explosives permit for a specific location and purpose.

3 (h) The Fire Code Official is authorized to limit the quantity of explosives,
4 explosive materials, or fireworks permitted at a given location. No person, possessing a
5 permit for storage of explosives at any place, shall keep or store an amount greater than
6 authorized in such permit. Only the kind of explosive specified in such a permit shall be
7 kept or stored.

8 (i) Whenever a new explosive material storage or manufacturing site is
9 established, including a temporary job site, the local law enforcement agency, fire
10 department, and local emergency planning committee shall be notified by the person
11 establishing the site 48 hours in advance, not including Saturdays, Sundays and
12 holidays, of the type, quantity and location of explosive materials at the site.

13 (j) The Fire Code Official is authorized to cause to be removed or disposed of
14 by trained explosives personnel, at the expense of the owner, explosives or explosive
15 materials offered or exposed for sale, stored, possessed or used in violation of this
16 Section.

17 (k) Notwithstanding any other provisions of Federal and State law, the
18 manufacture, storage, handling, sale, use or public display of any quantity of explosives,
19 explosive materials, fireworks or pyrotechnics including pyrotechnic special effects,
20 model rockets, high-power rockets and experimental rockets shall meet the
21 requirements of this Code and the San Bernardino County Fire Department Fire
22 Prevention Standards as well as the following requirements, whichever are most
23 restrictive:

24 (1) Explosives:

- 25 (A) California Health and Safety Code Division 11, Part 1
- 26 (B) 19 CCR, Division 1, Chapter 10,
- 27 (C) San Bernardino County Code Title 4, Division 5,
- 28 (D) NFPA 495.

- 1 (2) Fireworks Manufacture, Transportation, Storage, and Sales:
- 2 (A) California Health and Safety Code Division 11, Part 2
- 3 (B) 19 CCR, Division 1, Chapter 6,
- 4 (C) NFPA 1124.
- 5 (3) Fireworks Display:
- 6 (A) California Health and Safety Code Division 11, Part 2
- 7 (B) 19 CCR, Division 1, Chapter 6, Article 5,
- 8 (C) NFPA 1123
- 9 (4) Pyrotechnics:
- 10 (A) California Health and Safety Code Division 11, Part 2
- 11 (B) 19 CCR, Division 1, Chapter 6, Article 15,
- 12 (C) NFPA 1126.
- 13 (5) Model Rockets:
- 14 (A) 19 CCR, Division 1, Chapter 6, Article 17,
- 15 (B) NFPA 1122.
- 16 (6) Experimental Rockets/Unlimited:
- 17 (A) 19 CCR, Division 1, Chapter 6, Article 16,
- 18 (B) NFPA 1127
- 19 (7) Experimental High-Power Rockets:
- 20 (A) 19 CCR, Division 1, Chapter 6, Article 18,
- 21 (B) NFPA 1127
- 22 (8) Manufacture of Rocket Motors:
- 23 (A) 19 CCR, Division 1, Chapter 6,
- 24 (B) NFPA 1125
- 25 (l) Prior to conducting a public fireworks display, a permit shall be applied for
- 26 as specified in section 105.6.14 from the San Bernardino County Fire Protection District,
- 27 permit fees shall be paid, and plans for the display, inspections of the display site and
- 28 demonstrations of the display operations shall be approved. A plan establishing

1 procedures to follow and actions to be taken in the event that a shell fails to ignite in, or
2 discharge from, a mortar or fails to function over the fallout area or other malfunctions
3 shall be provided to the Fire Code Official.

4 **28. Prohibited Storage of Flammable and Combustible Liquids.**

5 The storage of flammable and combustible liquids in outside above-ground
6 unprotected tanks and below-grade vaulted tanks is prohibited in all commercial
7 occupancy areas, developed residential areas, and other areas where the Fire Code
8 Official determines that the installation of flammable and combustible liquid above-
9 ground storage tanks or below-grade vaulted tanks will create a hazard to occupants
10 and property owners in the area. Deviation from these requirements may be allowed
11 only upon specific documented findings by the Fire Code Official.

12 **29. Prohibited Bulk Storage of Liquefied Petroleum Gases.**

13 The aggregate capacity of any one installation for the bulk storage of liquefied
14 petroleum gases shall not exceed 2,000 water gallons in residential areas. In non-
15 residential areas, when, in the opinion of the Fire Code Official, the location of bulk
16 storage of liquefied petroleum gases would create a threat to the occupants and
17 property owners, the aggregate storage capacity of liquefied petroleum gas shall also
18 be limited to 2,000 water gallons. The Fire Code Official shall be guided by the
19 appropriate City or County Development Code when permitting the storage of liquefied
20 petroleum gas in excess of 2,000 water gallons at any one installation.

21 **30. Prohibited Storage of Flammable Cryogenic Fluids.**

22 Pursuant to Section 5806.2 of the San Bernardino County Fire Protection District
23 Fire Code as adopted from the California Fire Code, flammable cryogenic fluids shall
24 not be stored, dispensed or used unless a written plan, submitted by a Fire Prevention
25 Engineer, licensed by the State of California, detailing engineering controls for
26 preventing fires and explosions is approved by the Fire Code Official.

27 **31. Transport vehicles and trailers storing hazardous materials.**

28 (a) Any transport vehicle with a trailer, such as a tank, vessel, or other

1 container, attached and used for the purposes of storing and transporting hazardous
2 materials or hazardous waste as defined by this Code, upon being at a facility or
3 property for more than 30 days, or when such trailer has been detached from its mode
4 of transportation, or when the driver of such a vehicle is not carrying active shipping
5 papers as regulated by the California Department of Transportation (DOT) enroute to
6 another destination, shall comply with the provisions of this Section.

7 (b) **General.** Transport vehicles and trailers that contain less than or equal to
8 the maximum allowable quantities as set forth in Section 5003 of the San Bernardino
9 County Fire Protection District Fire Code as adopted from the California Fire Code for
10 each specific material, shall comply with the requirements of Chapter 50 of the San
11 Bernardino County Fire Protection District Fire Code, as well as any other applicable
12 regulations as part of a facility. Transport vehicles and trailers that contain more than
13 the maximum allowable quantities as set forth in Section 5003 for each specific material
14 shall comply with the requirements of Chapter 50 of this Code, as well as any other
15 applicable regulations relevant to a facility. The use, dispensing and handling of any
16 hazardous materials from transport vehicle trailers shall be prohibited unless approved
17 in writing by the Fire Code Official.

18 (c) **Submittals.** Transport vehicles and associated trailers shall comply with
19 the requirements of Section 5000.5.1 for Hazardous Materials Management Plan
20 (HMMP) and Section 5001.5.2 for Hazardous Materials Inventory Statement (HMIS) as
21 part of a regulated facility. These documents shall be submitted to the Office of the Fire
22 Marshal of the San Bernardino County Fire Protection District.

23 (d) **Prohibited Areas.** Transport vehicles or detached trailers storing
24 hazardous materials shall not be left stationary at any time within 500 feet (152m) of a
25 residential area, apartment or hotel complex, educational facility, hospital or care facility.
26 Transport vehicles and trailers shall not be left unattended at any other place that
27 would, in the opinion of the Fire Code Official, pose an extreme life safety hazard.

28 **32. Joint emergency and fire apparatus access roads.** Emergency and fire

1 apparatus access roads passing through multiple parcels shall comply with the following
2 requirements:

3 (a) Each owner of real property through which a joint emergency access road
4 passes shall record an easement, running with the land, with the deed of each affected
5 property allowing joint access to and from other properties and for emergency access.

6 (b) Each owner of property upon which the easement shall pass shall provide
7 a notarized covenant agreeing to provide an emergency access road through each
8 property and to maintain that access road in accordance with the statutes, regulations
9 and standards applicable at the time the easement was recorded for full term of
10 ownership of the property.

11 (c) Each owner of property through which the easement shall pass shall
12 provide a notarized waiver with the deed releasing the San Bernardino County Fire
13 Protection District, its successors and the County of San Bernardino of any liability for
14 any inability to provide fire suppression or emergency medical aid due to lack of access
15 and shall further stipulate that the San Bernardino County Fire Protection District, its
16 successors and the County of San Bernardino shall not be party to any criminal, civil or
17 administrative action relating to the maintenance of the easement unless the action is
18 brought forth by the Department, its successors, or the County.

19 **33. Violations – General.**

20 It shall be unlawful for any person, firm, partnership, or corporation to violate any
21 provision or fail to comply with any requirement of this San Bernardino County Fire
22 Protection District Code, the California Fire Code, the California Residential Code, the
23 San Bernardino County Fire Department Fire Prevention Standards, or of the provisions
24 of any code adopted and incorporated by reference by this Code.

25 **34. Continuing Violations.**

26 Each and every day, and any portion of which, any violation of this Code, the
27 California Fire Code, the San Bernardino County Fire Department Fire Prevention
28 Standards or of the provisions of any code adopted and incorporated by reference by

1 this Code is committed, continued, or permitted shall be deemed a new and separate
2 offense and shall be punishable or actionable as set forth in this Code.

3 **35. Acts Including Causing, Aiding and Abetting.**

4 Whenever In this Code any act or omission is made unlawful, it shall include
5 causing, permitting, aiding or abetting such act or omission.

6 **36. Enforcement – Purpose and Remedies.**

7 The Board of Directors of the San Bernardino County Fire Protection District has
8 determined that the enforcement of the ordinances of the San Bernardino County Fire
9 Protection District (also known as the San Bernardino County Fire Protection District
10 Code) throughout the County is an important public service and is vital to the protection
11 of the public's health, safety, and quality of life. The Board of Directors has determined
12 a need for alternative methods of code enforcement and that a comprehensive system
13 is necessary. At the discretion of the Department, violations of this Code may be
14 addressed through the institution of a criminal action, a civil action, or an administrative
15 action (administrative citations and penalties) as set forth in this Code.

16 **37. Enforcement Remedies and Penalties are Cumulative and Discretionary;
17 Not Exclusive.**

18 All remedies and penalties provided for in this Code shall be cumulative and
19 discretionary and not exclusive of other applicable provisions of this Code or other
20 applicable state law. The conviction and punishment (whether by fine, imprisonment, or
21 both) of any person hereunder pursuant to a criminal action, or the imposition of a
22 monetary administrative penalty pursuant to an administrative citation, shall not relieve
23 such person from the responsibility of correcting, removing, or abating the violation; nor
24 prevent the enforced correction, removal, or abatement thereof by the District, its
25 employees, agents, or representatives. The correction, removal, or abatement of a
26 violation begun after the issuance of a criminal citation or the filing of a criminal
27 complaint shall not be a defense to the infraction or misdemeanor so charged and,
28 following a conviction or plea of nolo contendere (commonly called "no contest"), shall

1 not be grounds for the dismissal of the action or the waiver, stay, or reduction of any
2 fine established in this Code. Further, the procedures established in this Code for the
3 use of administrative citations, and the procedures established in other titles and
4 chapters of this Code for administrative abatement and summary abatement as means
5 for addressing violations of this Code shall be in addition to criminal and civil or other
6 legal or equitable remedies established by law which may be pursued to address
7 violations of this Code. The use of this chapter shall be at the sole discretion of the
8 District. In the exercise of such discretion in selecting an appropriate code enforcement
9 remedy, the District shall not be required to institute available code enforcement
10 remedies in any particular order, or to prefer the application of one remedy to another.

11 **38. Criminal Actions.**

12 (a) **Criminal penalties for violations.**

13 Any person violating this San Bernardino County Fire Protection District Code,
14 the California Fire Code, the California Residential Code, the San Bernardino County
15 Fire Department Fire Prevention Standards or of the provisions of any code adopted
16 and incorporated by reference by this Code, unless as otherwise specified for certain
17 sections or for sections within a certain chapter, shall be deemed guilty of an infraction
18 or misdemeanor as hereinafter specified.

19 (1) **Misdemeanor violations.** Upon conviction of a misdemeanor, or
20 upon a plea of nolo contendere (commonly called "no contest"), the penalty shall be a
21 base fine of not less than \$500.00 and not more than \$1,000.00, or by imprisonment in
22 the County jail for a period of not more than six months, or by both such base fine and
23 imprisonment. Any court costs that the court may otherwise be required to impose
24 pursuant to applicable state law or local ordinance shall be imposed in addition to the
25 base fine.

26 (2) **Infraction violations.** Notwithstanding the foregoing, a
27 misdemeanor violation may be cited, charged, and prosecuted as an infraction. Where
28 so prosecuted, or where specified in a section or chapter of this Code that the violation

1 of a certain section or sections shall be an infraction, then that shall be the type of
2 offense and each such violation shall be punishable, except as otherwise provided
3 herein, upon conviction or upon a plea of nolo contendere (commonly called "no
4 contest"), by a base fine not exceeding \$100.00 for a first violation; (2) a base fine not
5 exceeding \$500.00 for a second violation of the same Code section within one year;
6 and (3) a base fine not exceeding \$1,000.00 for each additional violation of the same
7 Code section within one year of the first violation. Any court costs that the court may
8 otherwise be required to impose pursuant to applicable state law or local ordinance
9 shall be imposed in addition to the base fine (Government Code section 25132).

10 (b) **Criminal citations.**

11 (1) If any person is arrested by a District Investigator or any other
12 peace officer authorized to enforce this Code for a violation of any provision of this
13 Code, whether punishable as misdemeanor or as an infraction, and such person is not
14 immediately taken before a magistrate, when authorized by and as more fully set forth
15 in the Penal Code of California, the arresting officer shall prepare in duplicate a written
16 notice to appear in Court, containing the name and address of such person, the offense
17 charged, and the time and place where and when such person shall appear in court.

18 (2) The place specified in the notice to appear shall be the court of a
19 magistrate before whom the person would be taken if the requirement of taking an
20 arrested person before a magistrate were complied with, or shall be an officer
21 authorized by such court to receive a deposit of bail.

22 (3) The officer shall deliver one copy of the notice to appear to the
23 arrested person, and the arrested person, in order to secure release, must give his or
24 her written promise so to appear in court by signing the duplicate notice which shall be
25 retained by the officer. Thereupon the arresting officer shall forthwith release the
26 person arrested from custody.

27 (4) The officer shall, as soon as practicable, file the duplicate notice
28 with the magistrate specified therein. Thereupon, the magistrate shall fix the amount of

1 bail which in his or her judgment, in accordance with the provisions of Penal Code
2 section 1275, will be reasonable and sufficient for the appearance of the defendant and
3 shall endorse upon the notice a statement signed by him or her in the form set forth in
4 Penal Code section 815a. The defendant may, prior to the date upon which he or she
5 promised to appear in court, deposit with the magistrate the amount of bail thus set.
6 Thereafter, at the time when the case is called for arraignment before the magistrate, if
7 the defendant shall not appear, either in person or by counsel, the magistrate may
8 declare the bail forfeited, and may in his or her discretion order that no further
9 proceeding shall be had in such case.

10 (5) Upon the making of such order that no further proceedings be had,
11 all sums deposited as bail shall forthwith be paid into the County Treasury for
12 distribution pursuant to Penal Code section 1463.001.

13 (6) No warrant shall issue on such charge for the arrest of a person
14 who has given such promise to appear in court, unless and until he or she has violated
15 such promise or has failed to deposit bail, to appear for arraignment, trial or judgment,
16 or to comply with the terms and provisions of the judgment, as required by law.

17 (7) When a person signs a written promise to appear at the time and
18 place specified in the written promise to appear, and has not posted bail as provided in
19 Penal Code section 853.6, the magistrate shall issue and have delivered for execution a
20 warrant for his or her arrest within 20 days after his failure to appear as promised; or if
21 such person promises to appear before an officer authorized to accept bail, other than
22 the magistrate, and fails to do so on or before the date on which he or she promised to
23 appear, then, within 20 days after the delivery of such written promise to appear by the
24 officer to the magistrate having jurisdiction over the offense.

25 (8) Nothing herein contained shall be deemed or construed to require
26 any arresting officer to issue a citation instead of taking the person arrested before a
27 magistrate as otherwise provided by law.

28 **39. Authority to Investigate, Detain, Issue Criminal Citations and Arrest.**

1 (a) District Investigators designated by the Fire Chief/Fire Warden are peace
2 officers pursuant to California Penal Code Section 830.37(a), shall have full peace
3 officer powers pursuant to that Section and shall investigate the cause, origin and
4 circumstances of any fire, explosion or other hazardous condition. Department
5 Investigators are authorized to wear and carry authorized firearms, conduct
6 investigative detentions, issue criminal citations, to make arrests pursuant to California
7 Penal Code Section 836 for any violation of this Code, the San Bernardino County Fire
8 Department Fire Prevention Standards or any referenced or state law, obtain and
9 execute warrants and to seize and take charge of all physical evidence relating to the
10 fire cause or other crime or circumstance being investigated.

11 **40. Civil Actions.**

12 (a) **Injunctive relief and abatement.** At the request of any person
13 authorized to enforce this Code, the County Counsel or District Attorney may
14 commence proceedings for the abatement, removal, correction and enjoinder of any
15 act or omission that constitutes or will constitute a violation of this Code, the California
16 Fire Code, the California Residential Code, the San Bernardino County Fire Department
17 Fire Prevention Standards or of the provisions of any code adopted and incorporated by
18 reference by this Code or any permit issued pursuant to this Code, or any condition(s)
19 of approval for such permit granted pursuant thereto, and an order requiring the
20 violator(s) to pay civil penalties and/or abatement costs. Where multiple violators are
21 involved, they shall be jointly and severally liable for the civil penalties and/or abatement
22 costs.

23 (b) **Civil Remedies and Penalties.** Any person, whether acting as principal,
24 agent, employee, owner, lessor, lessee, tenant, occupant, operator, contractor, or
25 otherwise, who violates any provision of this Code, or any permit issued pursuant to this
26 Code, the California Fire Code, the San Bernardino County Fire Department Fire
27 Prevention Standards or any condition(s) of approval for such permit granted pursuant
28 thereto, shall be liable for a civil penalty not to exceed one thousand dollars (\$1,000.00)

1 per violation for each day or any portion thereof, that the violation continues to exist. In
2 determining the amount of civil penalty to be imposed, both as to the daily rate and the
3 subsequent total amount for any given violation, the court shall consider all relevant
4 circumstances, including, but not limited to, the extent of the harm caused by the
5 conduct constituting the violation; the nature and persistence of such conduct; the
6 length of time over which the conduct occurred or was repeated; the assets, liabilities,
7 and net worth of the violator; whether the violator is a corporate entity or an individual;
8 and any corrective action taken by the violator.

9 (c) **Attorney's fees.** In any civil action, administrative proceeding (excluding
10 administrative citations issued pursuant to sections 41, 42, 43 or 44), or special
11 proceeding to abate a public nuisance, whether by seeking injunctive relief and/or an
12 abatement order, or other order, attorney's fees may be recovered by the prevailing
13 party and shall not exceed the amount of reasonable attorney's fees incurred by the
14 District in that action or proceeding.

15 **41. Administrative Citations and Penalties - General.**

16 (a) Any violation of this Code, the California Fire Code, the California
17 Residential Code, the San Bernardino County Fire Department Fire Prevention
18 Standards or of the provisions of any code adopted and incorporated by reference by
19 this Code is subject to enforcement through the issuance of an administrative citation
20 and penalties in accordance with Government Code section 53069.4 and this Section.
21 Administrative citations may be issued for any violation of this Code not occurring in the
22 presence of the officer issuing the citation where the issuing officer determines through
23 investigation that the responsible party committed, caused, allowed, or is otherwise
24 responsible for the violation. The following procedures shall govern the imposition,
25 enforcement, collection, administrative review, and judicial review of administrative
26 citations and penalties.

27 (b) **Definitions.** For the purposes of this Code, certain words are defined as
28 follows:

1 (1) "Abatement costs" shall mean any and all costs or expenses
2 reasonably related to the abatement or removal of conditions which violate any
3 provision of this Code or the correction of such violation, and shall include, but not be
4 limited to, enforcement, investigation, collection, administrative costs, and attorney's
5 fees.

6 (2) "Administrative costs" shall mean all costs incurred by or on behalf
7 of the District from the first discovery of the violation of this Code through the appeal
8 process and until compliance is achieved, including but not limited to, staff time in
9 investigating the violation, inspecting the property where the violation occurred,
10 preparing investigation reports, sending notices, preparing for and attending any appeal
11 hearing, telephone contacts, and correspondence.

12 (3) "Administrative citation" shall mean a citation issued pursuant to
13 this Code, stating that one or more violations of this Code has occurred and stating the
14 amount of the administrative penalty to be paid by the responsible party.

15 (4) "Ordinances of the San Bernardino County Fire Protection District,"
16 and "San Bernardino County Fire Code," and "this Code" shall mean the Ordinances of
17 the San Bernardino County Fire District, including all pertinent provisions of state codes
18 as from time to time adopted and incorporated therein, enacted by the Board of
19 Directors of the San Bernardino County Fire Protection District, acting pursuant to
20 authority granted under California Health and Safety Code sections 13861, 13869, and
21 13869.7; or other applicable law.

22 (5) "County" shall mean San Bernardino County and, as it is also
23 known, the County of San Bernardino, a political subdivision of the State of California,
24 as enacted by the State Legislature by the Statutes of California passed at the Fourth
25 Session of the Legislature, Chapter LXXVIII, April 26, 1853.

26 (6) "District" shall mean the San Bernardino County Fire Protection
27 District.

28 (7) "Enforcement Officer" shall mean any San Bernardino County Fire

1 Protection District employee, or agent of the County or District with the authority to
2 enforce any provision of this Code, pursuant to Sections 32, 34 and 35 of this Code.

3 (8) "Person" shall mean, without limitation, any government entity,
4 natural person, firm, association, club, organization, corporation, partnership, business,
5 business trust, company or other entity, which is recognized by law as the subject of
6 rights or duties.

7 (9) "Responsible party," for the purpose of this Code shall mean:

8 (A) Each person, other than a minor, who commits or causes a
9 violation of any provision of this Code to occur, exist or continue;

10 (B) Each person who is the parent or legal guardian of the minor
11 person who commits or causes a violation of any provision of this Code to occur, exist,
12 or continue;

13 (C) Each person who has a legal or equitable ownership interest
14 in any parcel of real property located within the unincorporated area of the County of
15 San Bernardino, within any political subdivision or district that contracts with the San
16 Bernardino County Fire Protection District for fire protection and prevention services, or
17 within those other cities and towns that ratify this Ordinance, and who commits, causes,
18 or otherwise allows the violation of any provision of this Code to occur, exist, or continue
19 on such parcel; and

20 (D) Each person who, although not an owner, nevertheless has
21 a legal right or legal obligation to exercise possession and control over any parcel of
22 real property located within the unincorporated area of the County of San Bernardino,
23 within any political subdivision or district that contracts with the San Bernardino County
24 Fire Protection District for fire protection and prevention services, or within those other
25 cities and towns that ratify this Ordinance, and who commits, causes, or otherwise
26 allows the violation of any provision of this Code to occur, exist, or continue on such
27 parcel; and

28 (E) In addition to the business entity itself, each person who is

1 an owner of that business entity in those cases in which the commission, occurrence,
2 existence, or continuation of the violation of any provision of this Code is most
3 reasonably attributable to that business entity and not to an employee of that business
4 entity.

5 (c) **Content of Citation.** The administrative citation shall be issued on a form
6 approved by the San Bernardino County Fire Protection District in consultation with
7 County Counsel. The administrative citation form may be tailored to the specific needs
8 of the issuing department as approved by the San Bernardino County Fire Protection
9 District; however, all administrative citations shall contain the following information:

10 (1) The name and mailing address of the responsible party.

11 (2) The administrative citation shall refer to the date(s) and location of
12 the violation and the approximate time(s), if applicable, that the violation was observed.

13 (3) The administrative citation shall identify each violation by the
14 applicable section number of this Code and by either the section's title or a brief
15 descriptive caption; or by reference to the applicable permit describing the condition
16 violated.

17 (4) The administrative citation shall describe the action(s) required to
18 correct the violations.

19 (5) The administrative citation shall require the responsible party to
20 immediately correct the violation where appropriate or otherwise indicate a compliance
21 deadline date and shall explain the consequences of failure to correct the violation.

22 (6) The administrative citation shall state the amount of the penalty
23 imposed for the violation. Multiple violations may be listed on the same citation form. In
24 the event of multiple violations, the administrative citation shall list the penalty amount
25 for each violation and the total amount of all of the penalties.

26 (7) The administrative citation shall contain a notation box for the
27 Enforcement Officer to indicate whether or not the citation is issued as a "warning only"
28 and without penalty. The administrative citation shall also include a notation box that

1 may be used by the Enforcement Officer to indicate that the penalty will be waived if the
2 violation is corrected by the compliance deadline date indicated on the citation form.

3 (8) The administrative citation shall explain how the penalty shall be
4 paid and the time period by which it shall be paid, and the consequences of failure to
5 pay the penalty within this time period.

6 (9) The administrative citation shall identify all appeal rights and
7 include instructions on how to appeal the citation.

8 (10) The administrative citation shall contain the printed name and the
9 signature of the Enforcement Officer issuing the citation and, where reasonably possible
10 to obtain it, the signature of the responsible party (or managing employee if the
11 responsible party is a business entity), if he or she can be located, as set forth in
12 subsection (d) below.

13 (d) **Service of Citation.**

14 (1) If the responsible party is present at the scene of the violation, the
15 Enforcement Officer shall attempt to obtain his/her signature on the administrative
16 citation and shall deliver a copy of the administrative citation to him/her.

17 (2) If the responsible party is a business, and the business owner is on
18 the premises, the Enforcement Officer shall attempt to deliver the administrative citation
19 to the business owner. If the Enforcement Officer is unable to serve the business owner
20 on the premises and the Enforcement Officer can only locate the manager or on-site
21 supervisor, the administrative citation may be issued in the name of the business and a
22 copy given to the manager or on-site supervisor. A copy of the administrative citation
23 shall also be mailed to the business owner by certified mail, return receipt requested,
24 and by first class mail. If a copy of the administrative citation that is sent by certified mail
25 is returned by the United States Postal Service unsigned or marked "unclaimed" and/or
26 "refused", then service by first class mail shall be deemed effective provided it is also
27 not returned by the United States Postal Service.

28 (3) If a responsible party cannot be located at the property, then a copy

1 of the administrative citation shall be posted in a conspicuous place on or near that
2 property, if practicable, and a copy mailed by certified mail, return receipt requested,
3 and by first class mail, to all responsible parties at their last known addresses as they
4 appear on the last County equalized assessment role, or any other available public
5 records related to title or ownership of the property that is the subject of the
6 administrative citation. If the copy of the administrative citation sent by certified mail to a
7 responsible party is returned by the United States Postal Service with the mail receipt
8 unsigned, or marked "unclaimed" and/or "refused," then service by first class mail shall
9 be deemed effective provided it is also not returned by the United States Postal Service.

10 (4) The failure of any responsible party to receive a copy of the
11 administrative citation shall not affect the validity of the proceedings.

12 (e) **Administrative Penalties - General.**

13 (1) Pursuant to California Government Code sections 53069.4 and
14 25132(c) and unless otherwise provided in this Code, the amount of penalty to be
15 imposed for a violation of this Code and assessed by means of an administrative
16 citation shall be one hundred dollars (\$100.00) for the first occurrence of a violation; five
17 hundred dollars (\$500.00) for the second occurrence of the same violation; and one
18 thousand dollars (\$1,000.00) for the third and each subsequent occurrence of the same
19 violation. Notwithstanding this paragraph, the amount of penalty to be assessed by
20 means of an administrative citation may be established by resolution of the Board of
21 Directors of the San Bernardino County Fire Protection District.

22 (2) **Administrative Penalties – Multiple Violations.**

23 Notwithstanding the tables of administrative penalties for violations
24 relating to Dangerous Fireworks, Safe and Sane Fireworks, False and Negligent Alarms
25 and those violations defined as egregious violations, when multiple violations of this
26 Code, the California Fire Code, the California Residential Code and the San Bernardino
27 County Fire Department Fire Prevention Standards or any provision of a code or
28 standards adopted or incorporated by reference by this Code occur concurrently and

1 are addressed through the Administrative Citation process pursuant to this section, the
2 Fire Code Official may, at his discretion, assess administrative penalties in the following
3 manner:

4 (A) The administrative penalty for the first and second violation
5 occurring concurrently shall be the full penalty as defined by Section 41(e)(1).

6 (B) The administrative penalties for the third and subsequent
7 violations occurring concurrently may be reduced to twenty-five (\$25.00) dollars per
8 violation.

9 (C) This alternative penalty system shall only apply to the first
10 occurrence within a 1-year period.

11 (3) If the violation is not corrected within the time limits established in
12 this section, then additional administrative citations may be issued for the same
13 violation. The amount of the penalty shall increase at the rate specified above.

14 (A) Payment of the penalty shall not excuse the failure to correct
15 the violation nor shall it bar further enforcement action by the San Bernardino County
16 Fire Protection District or any other enforcement agency authorized to issue
17 administrative citations.

18 (B) The penalties assessed shall be payable to the District (or to
19 the District's designated collection/processing agent), or to any enforcement agency
20 authorized to issue administrative citations (or to such agency's designated
21 collection/processing agent) within 30 calendar days from the date the administrative
22 citation is issued.

23 (C) Except as provided below, any person who fails to pay to the
24 District (or the District's designated collection/processing agent), or to any enforcement
25 agency authorized to issue administrative citations (or such agency's designated
26 collection/processing agent) any penalty imposed pursuant to the provisions of this
27 Code on or before the date that the penalty is due shall also be liable for the payment of
28 any applicable late payment charges as established by the Board of Directors.

1 (D) The District may collect any past due administrative citation
2 penalty or late payment charge by use of any available means, including without
3 limitation, the recording of a notice of lien, describing the real property affected and the
4 amount of the costs and administrative citation penalties claimed by the District with the
5 Office of the County Recorder. The District may transmit notice of the award of
6 abatement costs and administrative citation penalties, or notice of the judgment thereon
7 arising from a collection or other legal action, to the Treasurer/Tax Collector who shall
8 place the amount thereof on the assessment role as a special assessment to be paid
9 with County taxes, unless sooner paid. The District may also recover its collection costs.
10 A judgment or award of such costs, penalties or damages may also be enforced in any
11 other manner provided by law.

12 (E) The District may also recover its administrative costs
13 incurred in defending the citation at the appeal hearing.

14 (F) All administrative citation penalties collected pursuant to
15 these provisions shall be deposited into specific funds maintained by or on behalf of the
16 District exclusively for the purpose of funding the enforcement of this Code.

17 **42. Administrative Citations and Penalties – Dangerous Fireworks, and**
18 **Unlawful Use of Safe & Sane Fireworks.**

19 (a) This section governs, and applies only to, the imposition and enforcement
20 of administrative penalties related to the storage, possession, handling, sale, use,
21 transportation, or public display of those fireworks classified as "Dangerous Fireworks,"
22 and the unlawful use of Safe and Sane Fireworks.

23 (b) For the purposes of this section, the term "Dangerous Fireworks" shall be
24 defined pursuant to California Health and Safety Code Section 12500, et seq. and shall
25 also include "Safe and Sane" fireworks as defined in California Health and Safety Code
26 Section 12529, which have been modified to act in the same manner as Dangerous
27 Fireworks.

28 (c) The penalties enumerated in this section shall not apply to Law

1 Enforcement or Department personnel acting within the scope of their official duties or
2 to a pyrotechnic licensee when operating pursuant to that license.

3 (d) The imposition of administrative penalties related to "dangerous fireworks"
4 under this section shall be limited to persons who store, possess, handle, sell, use,
5 transport, or publicly display 25 pounds or less (gross weight including packaging) of
6 such dangerous fireworks. Any persons who store, possess, handle, sell, use,
7 transport, or publicly display over 25 pounds (gross weight including packaging) of such
8 dangerous fireworks may be subject to criminal action.

9 (e) Administrative penalties collected pursuant to this section related to
10 "dangerous fireworks" shall not be subject to California Health and Safety Code Section
11 12706, which section provides that certain fines collected by a court of the state be
12 deposited with, and disbursed by, the County Treasurer. However, the District shall
13 provide cost reimbursement to the State Fire Marshal pursuant to regulations to be
14 adopted by the State Fire Marshal addressing the State Fire Marshal's cost for the
15 transportation and disposal of "dangerous fireworks" seized by the District, which costs
16 will be part of any administrative penalty imposed. Unless and until said regulations
17 have been adopted by the state of California, the District shall hold in trust two hundred
18 fifty dollars (\$250) of any penalty collected to cover the cost reimbursement to the State
19 Fire Marshal for said cost of transportation and disposal of the "dangerous fireworks."

20 (f) Notwithstanding the penalties defined in this section, administrative
21 citations issued pursuant to this section shall comply with all the requirements of
22 Section 41 of this Code.

23 (g) Each person who violates any provision of this Code relating to the
24 storage, possession, handling, sale, use, transportation, or public display of Dangerous
25 Fireworks shall be subject to the imposition and payment of an increased administrative
26 penalty as provided, below:

27
28

Administrative Penalties for Dangerous Fireworks			
Number of	Amount of	Late	Total Amount of

<u>Occurrences In a 1-Year Period</u>	<u>Administrative Penalty</u>	<u>Charge</u>	<u>Penalty Plus Late Charge</u>
First	\$1,250.00	\$125.00	\$1,375.00
Second	\$2,250.00	\$225.00	\$2,475.00
Three or More	\$3,250.00	\$325.00	\$3,575.00

(h) Each person who violates any provision of this Code relating to the unlawful storage, possession, handling, sale, use, transportation, or public display of unmodified Safe and Sane fireworks shall be subject to the imposition and payment of an increased administrative penalty as provided in the table below:

Administrative Penalties for Safe and Sane Fireworks			
<u>Number of Occurrences In a 1-Year Period</u>	<u>Amount of Administrative Penalty</u>	<u>Late Charge</u>	<u>Total Amount of Penalty Plus Late Charge</u>
First	\$150.00	\$15.00	\$165.00
Second	\$250.00	\$25.00	\$275.00
Three or More	\$350.00	\$35.00	\$385.00

(i) The issuance of an administrative citation pursuant to this section shall not preclude the Fire Code Official or any other person authorized to issue an administrative citation pursuant to this section from seizing any Dangerous Fireworks or unlawfully used Safe and Sane fireworks pursuant to this Code and California Health and Safety Code Section 12721.

43. Administrative Penalties – Egregious Violations.

(a) Any person who violates Section 21 relating to Stop Work Orders, Section 23 relating to tampering with notices, Section 24 relating to overcrowding, Section 25 relating to obstructed egress, Section 26 relating to unlawful open fires, and Section 27 relating to explosives and pyrotechnics or any other violation of this Code, the California Fire Code, the San Bernardino County Fire Department Fire Prevention Standards or of the provisions of any code adopted or incorporated by reference by this Code that is reasonably determined by the Fire Code Official to present an immediate or potentially immediate threat to public safety, shall be subject to the imposition and payment of an

1 increased administrative penalty as provided in the table below:

2

3

Administrative Penalties for Egregious Violations			
Number of Occurrences In a 1-Year Period	Amount of Administrative Penalty	Late Charge	Total Amount of Penalty Plus Late Charge
4 First	\$250.00	\$25.00	\$275.00
5 Second	\$750.00	\$75.00	\$825.00
6 Three or More	\$1,250.00	\$125.00	\$1,375.00

7

8 (b) For the purposes of this section, each instance of a violation may be
9 considered a separate violation subject to a separate penalty. However, multiple
10 violations cited during a single occurrence or inspection shall not each be considered a
11 separate occurrence incurring a higher penalty amount. EXAMPLE: During an
12 inspection two required exit doors are found to be chained and the dance hall is
13 overcrowded. An administration citation may be issued for three (3) counts of egregious
14 violations at \$250.00 each. An administrative citation for three (3) counts at \$750.00
15 each shall not be issued.

16 **44. Administrative Remedies and Penalties - False and Negligent Fire Alarm**
17 **Program.**

18 (a) Any person who violates the San Bernardino County Fire Department Fire
19 Prevention Standards pertaining to the False and Nuisance Fire Alarm Program may be
20 subject to the following remedies:

21 (1) An administrative penalty may be imposed against the owner of a
22 premises on or in which a Fire Alarm System is installed or permitted for the following
23 reasons:

24 (A) Upon the fourth or additional False or Nuisance Fire Alarm at
25 a single premises.

26 (B) If the owner fails to return a satisfactory Report of
27 Service/Repair within fifteen (15) days after receiving the Fire Alarm Activation Report
28 due to a Nuisance Fire Alarm.

1 (C) If the person identified in the Registration as a responder
2 and requested pursuant to the False and Nuisance Fire Alarms Program Standard fails
3 to appear within one (1) hour after being notified to respond.

4 (2) An administrative penalty may be imposed against the Fire Alarm
5 Business installing, repairing or providing monitoring or runner service for a Fire Alarm
6 System for the following reasons:

7 (A) If the Fire Code Official determines that the fourth or
8 additional False or Nuisance Fire Alarm was directly caused by an onsite employee or
9 representative of the Fire Alarm Business. In this event, no False Fire Alarm shall be
10 counted against the Owner.

11 (B) If the Fire Code Official determines that the person identified
12 in the Registration as a responder and requested pursuant to the False and Nuisance
13 Fire Alarms Program Standard is a runner provided for by the Fire Alarm Business and
14 that person fails to appear within one (1) hour after being notified to respond. In this
15 event, no False Fire Alarm shall be counted against the Owner.

16 (3) In lieu of or in addition to the Administrative Penalties listed above,
17 the Fire Code Official is authorized to order the owner of a premises to:

18 (A) Silence an activated Fire Alarm System, have corrective
19 action taken and thereafter reset it.

20 (B) Disconnect or deactivate the Fire Alarm System until
21 corrective actions can be taken.

22 (C) Institute a Fire Watch due to repetitive Nuisance or False
23 Fire Alarms or in the event a Fire Alarm System is silenced disconnected or
24 deactivated, until corrective action is taken.

25 (4) The Owner is responsible for paying all costs associated with
26 establishing a Fire Watch.

27 (5) The provisions of this section shall not apply to any newly installed
28 Fire Alarm System for a period of forty-five days (45) from the date of installation.

1 (6) Notwithstanding the provisions of Section 41 as adopted from the
 2 California fire Code, no administrative citation shall be imposed for the first three (3)
 3 False or Nuisance Fire Alarms at the same premises during each calendar year;
 4 thereafter any further False or Nuisance Fire Alarms may result in the imposition of an
 5 administrative penalty pursuant to this Section against the owner or the Fire Alarm
 6 Business.

7 (7) The activation of a Fire Alarm System shall not result in the
 8 imposition of an administrative penalty if the alarm is activated due to malicious causes
 9 beyond the control of the owner unless the Fire Code Official has given written notice to
 10 the owner to provide reasonable safeguards against additional False Fire Alarms and
 11 the owner has failed to comply with that notice.

12 (8) Administrative Penalties.

13 (A) Any person who violates any provision of this section shall
 14 be subject to the imposition and payment of an administrative penalty as provided in the
 15 table below:

Administrative Penalties for False or Nuisance Fire Alarms			
Number of Occurrences In a 1-Year Period	Amount of Administrative Penalty	Late Charge	Total Amount of Penalty Plus Late Charge
Four to Five ¹	\$100.00	\$10.00	\$110.00
Six to Seven	\$200.00	\$20.00	\$220.00
Eight or More	\$500.00	\$50.00	\$550.00

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 21
 22 1. This penalty shall also apply to any occurrence of Sections 44(a)(1)(B), 44(a)(1)(C), and 44(a)(2)(B).

23 **45. Appeal of Administrative Citations**

24 (a) **Notice of Appeal.** Any person in whose name an administrative citation
 25 has been issued may appeal the administrative citation by filing a written notice of
 26 appeal with the District. If the District has designated a processing agent, then the
 27 responsible party shall file his/her written notice of appeal with the designated
 28 processing agent. The written notice of appeal must be filed within 20 calendar days of

1 the date the administrative citation was served in a manner set forth in subsection (d) of
2 this Section. The written notice of appeal shall be filed together with an advance
3 deposit, consisting of a cashier's check, for the full amount of the penalty stated on the
4 administrative citation; unless the District has issued an advance deposit hardship
5 waiver. Failure to file a written notice of appeal within this time period shall constitute a
6 waiver of the right to appeal the administrative citation.

7 (b) **Advance Deposit Hardship Waiver.** Any person intending to appeal an
8 administrative citation and who is financially unable to make the advance deposit as
9 required by this section may file a written request for an advance deposit hardship
10 waiver with the District. A District-approved form shall be made for this purpose. The
11 written request shall be filed with the District within 10 calendar days of the date the
12 administrative citation was served.

13 (c) **Advance Deposit Hardship Waiver Evaluation Procedures.** The
14 advance deposit requirement shall be stayed pending a determination by the Fire
15 Chief/Fire Warden, or the Fire Chief/Fire Warden's designee, that a waiver shall not be
16 issued. The Fire Chief/Fire Warden, or the Fire Chief/Fire Warden's designee, may
17 waive the advance deposit requirement and issue a waiver only if the person requesting
18 the waiver submits to the Fire Chief/Fire Warden's attention a sworn affidavit, together
19 with any supporting documents or materials, reasonably demonstrating to the Fire
20 Chief/Fire Warden the person's actual financial ability to submit the deposit in advance
21 of the appeal hearing. The filing of a written request for an advance deposit hardship
22 waiver shall not extend the time limits for appealing an administrative citation. The Fire
23 Chief/Fire Warden, or the Fire Chief/Fire Warden's designee, shall issue a written
24 decision explaining the reason(s) for not issuing the waiver. The written decision of the
25 Fire Chief/Fire Warden, or the Fire Chief/Fire Warden's designee, shall be final. In the
26 event a waiver is not issued, the person intending to appeal must remit the advance
27 deposit with a written notice of appeal as herein provided.

28 (d) **Contents of Notice of Appeal.** The notice of appeal shall be submitted

1 on District-approved forms and shall contain the following information:

2 (1) A brief statement setting forth the appealing person's (hereinafter
3 "appellant") interest in the proceedings;

4 (2) A brief statement of the material facts which the appellant claims
5 supports his/her contention that they did not commit, cause, or otherwise allow a
6 violation of one or more provisions of this Code to occur, exist, or continue as alleged in
7 the administrative citation at issue; or he/she is not a responsible party as defined at
8 section 41(b)(9) of this Code.

9 (3) A mailing address at which the appellant agrees that notice of any
10 additional proceeding, or an order relating to the imposition of an administrative citation
11 penalty, shall be received and accepted by the appellant by First Class Mail.

12 (4) The notice of appeal must be signed and dated by the appellant.

13 (e) **Administrative Hearing.** The resolution of an appeal of an administrative
14 citation issued under the authority of this Code shall be by an administrative hearing
15 conducted according to the procedures set forth in this section. Upon the District's
16 designated processing agent's receipt of a timely, written notice of appeal from the
17 appellant, an administrative hearing shall be held as follows:

18 (1) **Hearing Date.** The date of the hearing shall be set for a date that
19 is no later than 60 days from the date the notice of appeal is received by the District's
20 processing agent.

21 (2) **Notice of Hearing.** Notice of the administrative hearing shall be
22 given to the appellant at least 10 calendar days prior to the hearing. The notice may be
23 delivered to the appellant or mailed by first class mail to the address listed in the notice
24 of appeal. Neither personal service nor service by certified mail shall be required.

25 (3) **Hearing Officer.** The administrative hearing shall be held before
26 the Fire Chief/Fire Warden, or the Fire Chief/Fire Warden's designee. The Hearing
27 Officer shall not be the Enforcement Officer who issued the administrative citation or
28 his/her immediate supervisor. The Fire Chief/Fire Warden, through the District's

1 contracting process, may contract with a qualified provider for administrative processing
2 and collection services to provide hearing officers to conduct administrative hearings
3 and process administrative citations, including the collection of payment of
4 administrative citation penalties.

5 **(4) Conduct of the Hearing.**

6 **(A)** The Hearing Officer shall not be limited by the technical or
7 formal rules of evidence. The District shall bear the burden of proof at the
8 administrative hearing to establish the existence of a violation of this Code by a
9 preponderance of the evidence. The Hearing Officer shall have the discretion to
10 exclude evidence if its probative value is substantially outweighed by the probability that
11 its admission will cause an undue consumption of time. The Enforcement Officer
12 establishing or confirming the occurrence or existence of a violation of this Code shall
13 be deemed the complaining or reporting party. Personal or other identifying information
14 regarding any other reporting party shall be deemed both irrelevant and subject to the
15 federal and state constitutional rights of privacy; and, therefore, shall not be subject to
16 review or disclosure.

17 **(B)** If the appellant fails to appear at the administrative hearing,
18 the Hearing Officer shall make his/her determination based on the information contained
19 in the Enforcement Officer's case file and the appellant's notice of appeal.

20 **(C)** Provided that proper notice of the administrative hearing has
21 been served as required by this or other applicable chapters of this Code, an appellant
22 who fails to appear at the administrative hearing shall be deemed to have waived each
23 of the following: the right to such hearing, the adjudication of issues presented at the
24 hearing, and any and all rights afforded to the appellant under this Code. The appellant
25 shall also be deemed to have failed to exhaust his/her administrative remedies.

26 **(D)** The only evidence that shall be permitted at the
27 administrative hearing and considered by the administrative Hearing Officer in reaching
28 a decision, is that evidence which is relevant to the proof or disproof of:

- 1 (I) Ownership of the subject property, when applicable;
2 (II) Whether a person noticed by the District as a
3 responsible party is, in fact, a responsible party;
4 (III) Whether a violation of this Code occurred and/or
5 continues to occur on the date or dates specified in the administrative citation;
6 (IV) Whether the responsible party has committed,
7 caused, maintained, or permitted a violation of this Code on the date or dates specified
8 on the administrative citation.

9 (f) **Hearing Officer's Decision.**

10 (1) After considering all the testimony and evidence submitted at the
11 hearing, the Hearing Officer shall promptly issue a written decision ("Administrative
12 Citation Appeal Ruling") to uphold or cancel the administrative citation and shall list in
13 the decision the reasons for that decision.

14 (2) If the Hearing Officer determines that the administrative citation
15 should be upheld, then the amount of the penalties set forth in the citation shall not be
16 reduced or waived for any reason. This subsection shall not apply to "warning only"
17 administrative citations or to any administrative citation that indicates on its face that the
18 penalty will be waived if the violation is corrected by the deadline compliance date and
19 the violation is so corrected.

20 (3) If the administrative citation has been upheld, the Hearing Officer
21 may allow payment of the administrative penalty in installments, if an advance deposit
22 hardship waiver has been issued to the appellant.

23 (4) If the Hearing Officer overturns the administrative citation, then no
24 penalty shall be assessed and any penalty otherwise deposited with the District or its
25 designated processing/collection agent, shall be promptly refunded to the appellant.

26 (5) The appellant shall be served with a copy of the Hearing Officer's
27 written decision either at the conclusion of the hearing or sent by First Class Mail within
28 a reasonable time. The Hearing Officer's written decision shall become final on the date

1 of the hearing unless mailed; otherwise it shall become final on the date of mailing.

2 (6) The Hearing Officer's written decision shall contain instructions for
3 obtaining judicial review of the decision pursuant to California Government Code section
4 53069.4, as that section may be from time to time amended, or the successor provision
5 thereto.

6 (7) If the administrative citation is upheld, the Hearing Officer shall also
7 award the District its enforcement costs and its costs in defense of the citation (including
8 the actual time spent conducting the hearing). An itemized summary of these costs shall
9 be presented to the Hearing Officer by the District within 10 days following the Hearing
10 and mailed to appellant by 1st Class Mail to the address listed on the Notice of Appeal.

11 (g) **Judicial Review of Administrative Hearing Officer's Decision.**

12 (1) **Notice of Appeal.** Within 20 calendar days of the date of the
13 delivery or mailing of the Hearing Officer's decision to the appellant, the appellant
14 (hereafter "contestant") may contest that decision by filing an appeal to be heard by the
15 Superior Court, and paying to the court clerk the filing fee set forth at Government Code
16 section 53069.4, or the successor provision thereto. The failure to file the written appeal
17 and to pay the filing fee within this period shall constitute a waiver of the right to an
18 appeal and the decision shall be deemed confirmed. The contestant shall serve a copy
19 of the notice of appeal in person or by first class mail upon the District.

20 (2) **Conduct of the Superior Court Appeal Hearing.** The conduct of
21 the appeal before the Superior Court is a subordinate judicial duty and may be
22 performed by traffic trial commissioners and other subordinate judicial officers at the
23 direction of the presiding judge of the Superior Court. The appeal shall be heard de
24 novo, except that the contents of the District's file in the case shall be received in
25 evidence. A copy of the document or instrument of the District providing notice of the
26 violation and imposition of the administrative penalty (i.e., the administrative citation)
27 shall be admitted into evidence as prima facie evidence of the facts stated therein. The
28 court shall request that the District's file in the case be forwarded to the court, to be

1 received within 15 calendar days of the request.

2 (3) **Judgment.** The court shall retain the filing fee regardless of the
3 outcome of the appeal. If the court finds in favor of the contestant, the amount of the fee
4 shall be reimbursed to the contestant by the District. Any deposit of the administrative
5 penalty shall be refunded by the issuing department in accordance with the judgment of
6 the court. If the administrative penalty has not been deposited and the decision of the
7 court is against the contestant and in favor of the District, the District may proceed to
8 collect the penalty pursuant to the procedures set forth in this Code, or in any other
9 manner provided by law.

10 **46. Recording of a Notice of Pendency**

11 (a) Whenever the District institutes a judicial action or proceeding to enforce
12 this Code, a Notice of Pendency of the action or proceeding may be filed with the
13 County Recorder's Office. The notice may be filed at the time of the commencement of
14 the action or proceeding, and upon recordation of the notice as provided in this section,
15 shall have the same effect as a notice recorded in compliance with section 409 of the
16 California Code of Civil Procedure.

17 (b) The County Recorder shall record and index the Notice of Pendency of
18 action or proceeding in the Grantor/Grantee Index.

19 (c) Any Notice of Pendency of action or proceeding filed in compliance with
20 this section may, upon motion of a party to the action or proceeding, be vacated upon
21 an appropriate showing of need therefore by an order of a judge of the court in which
22 the action or proceeding is pending.

23 (d) A certified copy of the "Order to Vacate Notice of Pendency" may be
24 recorded with the County Recorder's Office, and upon the recordation, the Notice of
25 Pendency of the action or proceeding shall not constitute constructive notice of any of
26 the matters contained therein nor create any duty of inquiry in any person thereafter
27 dealing with the property described therein.

28 (e) An "Order to Vacate Notice of Pendency" shall not be appealable, but the

1 party aggrieved by the order may, within 20 days after service of written notice of the
2 order, or within additional time not exceeding 20 days as the court may, within the
3 original 20 days allow, but in no event later than 60 days after entry of the order, petition
4 the proper reviewing court to review the order by Writ of Mandate.

5 (f) No "Order to Vacate Notice of Pendency" shall be effective, nor shall it be
6 recorded with the County Recorder's Office, until the time within which a petition for the
7 filing of a Writ of Mandate has expired in compliance with this section.

8 **47. Filing Notice of Action.**

9 Whenever an enforcement action is initiated and prior to filing a Notice of
10 Pendency, the District may, pursuant to Government Code section 27280, file with the
11 County Recorder's Office a Notice of Action identifying the enforcement action taken for
12 violation of this Code or other applicable law.

13 **48. Public Nuisance Abatement for Fire Hazards.**

14 Any violation of this Code, the California Fire Code, the San Bernardino County
15 Fire Department Fire Prevention Standards or of the provisions of any code adopted
16 and incorporated by reference by this Code may be deemed a fire hazard by the Fire
17 Code Official and acted upon pursuant to the public nuisance abatement provisions of
18 Chapter 5 of Division 3 of Title 2 of the San Bernardino County Code beginning with
19 Section 23.0503.

20 **49. Board of Appeals – Code Application and Interpretations.**

21 (a) In order to hear and decide appeals of orders, decisions or determinations
22 made by the Fire Code Official relative to the application and interpretation of this Code
23 (except for administrative citations issued pursuant to Sections 41, 42, 43, and 44),
24 there shall be two appeals boards, namely the Planning Commission and the Building
25 and Safety Board of Appeal.

26 (b) **Limitations on Authority.** An application for appeal shall be based on a
27 claim that the intent of this Code or the rules, standards and interpretations adopted
28 hereunder have been incorrectly interpreted, the provisions of this Code do not fully

1 apply, or an equivalent method of protection or safety is proposed. The board shall
2 have no authority to waive requirements of this Code.

3 (c) **Qualifications.** The board of appeals shall consist of members who are
4 qualified by experience and training to pass judgment on matters pertaining to hazards
5 of fire, explosion, hazardous conditions or fire protection systems and are not
6 employees of the Fire Code Official.

7 (d) **Appeals Hearings.** Appeals concerning standards of building
8 construction, electrical work, and all fire protection and detection systems shall be heard
9 by the Building and Safety Board of Appeal. All other appeals shall be heard by the
10 Planning Commission. Hearings shall be in accordance with this section.

11 (e) **Request for Hearing.** Any person may appeal the Department's
12 interpretation regarding the provisions of the San Bernardino County Fire Protection
13 District Fire Code within 15 days after the date such interpretation is rendered, or after
14 enforcement begins. Unless an imminent hazard to life or property exists, enforcement
15 involving an appealed interpretation may be suspended until a decision regarding the
16 appeal has been reached.

17 (f) **Hearing Procedures.** Within 30 days of the acceptance of an application
18 for an appeal, the County or City having jurisdiction shall set the matter for hearing and
19 shall give notice to the appellant, the applicant and to any other party who has
20 requested in writing to be so notified. During the hearing, witnesses may be sworn in
21 and examined and evidence produced, and parties may be represented by counsel.
22 The appropriate appeals board shall keep a record of the proceedings of each hearing
23 and shall issue written findings and a decision within 15 days of the conclusion of the
24 hearing. A written copy of the decision shall be mailed to the parties by first class mail,
25 at such addresses as they have provided.

26 (g) **Fees and Costs.** The Department shall act as staff to the Appeals Board,
27 and for that purpose may determine and set fees to charge an appellant to cover the
28 cost of preparation of the record for appeal. A summary of costs shall be compiled and

1 sent to the appellant after all the appeals proceedings have been completed. Any
2 refund due the appellant shall be returned within 60 days after the summary is sent.

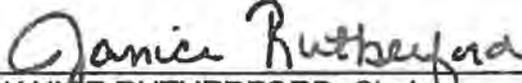
3 **50. Cost Recovery.**

4 Pursuant to California Health & Safety Code sections 11374.5(b)(1), 13009 et
5 seq., 13916(a), 25259.4, 25514, 25515(a), 25540(a), 25541(a), California Government
6 Code sections 53150, 53151, 53152, 53159(a) & (b), California Vehicle Code section
7 23112.7, and all other provisions of law, all costs incurred by the San Bernardino
8 County Fire Protection District for the inspection and enforcement of any provision of
9 this Code, the investigation of any fire, explosion or other hazardous condition, the
10 suppression of fire, the response to a traffic collision or accident, the containment and/or
11 mitigation of a hazardous materials release, and any rescue or rendering of medical or
12 physical aid or assistance, may be charged to any responsible party, any person who
13 violates this Code or any person who, due to a negligent or unlawful act or omission, is
14 responsible for or requires or causes the emergency response of this Department
15 pursuant to a schedule of fees adopted by the District. Any expense incurred by this
16 District for such an emergency response shall constitute a debt of such person and shall
17 be collectible by the District in the same manner as in the case of an obligation under
18 contract, express or implied.

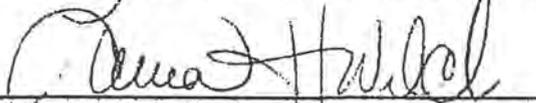
19 **51. Treble Damages.**

20 Upon a second or subsequent civil or criminal judgment for a violation of this
21 Code within a two-year period the violator shall be liable to the District for treble the
22 abatement costs.

23 SECTION 2. This ordinance shall take effect 30 days from the date of adoption.

24
25 
26 JANICE RUTHERFORD, Chair
27 Board of Directors
28

1 SIGNED AND CERTIFIED THAT A COPY
2 OF THIS DOCUMENT HAS BEEN DELIVERED
3 TO THE CHAIR OF THE BOARD OF DIRECTORS

4 

5 LAURA H. WELCH, Secretary
6 to the Board of Directors

7 STATE OF CALIFORNIA)
8 COUNTY OF SAN BERNARDINO) ss.

9 I, LAURA H. WELCH, Secretary of the Board of Directors of the San Bernardino
10 County Fire Protection District, State of California, hereby certify that at a regular
11 meeting of the Board of Directors of the San Bernardino County Fire Protection District,
12 held on the 8th day of July, 2014, at which meeting were present
Supervisors:

Lovingood, Rutherford, Ramos, Ovitt, Gonzales

13 and the Secretary, the foregoing ordinance was passed and adopted by the following
14 vote, to wit:

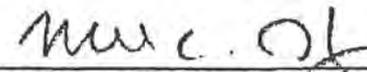
15 AYES: DIRECTORS: Lovingood, Rutherford, Ramos, Ovitt, Gonzales
16 NOES: DIRECTORS: None
17 ABSENT: DIRECTORS: None

18 IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official
19 seal of the Board of Directors this 8th day of July, 2014

20 LAURA H. WELCH, Secretary to the Board of
21 Directors of the San Bernardino County Fire
22 Protection District

23 
Deputy

24 Approved as to Form:
25 JEAN-RENE BASLE, County Counsel

26 By: 
27 KENNETH C. HARDY
28 Deputy County Counsel

Date: 4/14/14



**SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION**

620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400

Standard Number

A-2

FIRE PREVENTION STANDARD

FIRE APPARATUS ACCESS ROAD DESIGN, CONSTRUCTION AND MAINTENANCE

AUTHORITY

Sections 102.9 of the 2013 California Fire Code and Sections 4 and 8 of the San Bernardino County Fire Protection District Fire Code Ordinance state that the fire code official of the San Bernardino County Fire Department shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to determine requirements not specifically provided for by the Fire Code. For further requirements on this subject, see sections 503.1 and 503.2 et. seq. of the 2013 California Fire Code.

PURPOSE

The purpose of this standard is to provide for roadways that allow for safe, quick and reliable access by emergency response fire apparatus onto premises to be protected.

SCOPE

This standard shall apply to the design, construction and maintenance of all new fire apparatus access roads within the jurisdiction, as well as fire apparatus access roads at existing facilities when applied at the discretion of the fire code official.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the latest shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed.

These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

SUBMITTALS

The applicant shall provide on a scaled site plan or plot plan the following information at a minimum:

- 1) Location of all fire apparatus access roads and fire apparatus turnarounds for dead end roadways
- 2) Dimensions indicating width, length, and radii of all turns for all fire access roads
- 3) Surfacing specifications of fire access roads, including pavement type and thickness. May also require a report from a registered engineer for certain conditions.
- 4) Gradient, camber (cross slope) and crown of all roadways used for fire access, indicated in percentage at regular intervals (can be submitted on a grading plan and with topographic lines)
- 5) Locations of any types of obstructions to fire access roads (See also SBCFD standard A-3)
- 6) The locations of all temporary and permanent structures, outside storage yards.
- 7) Location of all fire protection water sources (hydrants, tanks, etc.).
- 8) Locations of all parking areas, landscaping areas, walkways, and any other adjacent areas
- 9) Location of significant hazards (i.e., flammable or combustible liquids, hazardous materials, or LPG tanks).



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COMMUNITY SAFETY DIVISION**

620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400

Standard Number

A-2

FIRE PREVENTION STANDARD

FIRE APPARATUS ACCESS ROAD DESIGN, CONSTRUCTION AND MAINTENANCE

DEFINITIONS

EMERGENCY VEHICLE ACCESS (EVA) - A road or other passageway developed to allow the passage of fire apparatus. An emergency vehicle access is not necessarily intended for vehicular traffic other than fire apparatus.

FIRE APPARATUS ACCESS ROAD - A road that provides fire apparatus access from a fire station to a facility, building or structure or portion thereof. This is a general term inclusive of all other terms such as fire lane, public street, private street, parking lot drive aisle or access roadway.

GENERAL

- 1) All access roads shall meet minimum fire department access road requirements, including width, distance, turnarounds and height limitations or as approved by the fire code official.
- 2) Fire apparatus access roads shall be provided to within one hundred and fifty (150) feet of all exterior portions of the first story of every building, facility or structure as measured by an approved route around the exterior of the building or structure.
- 3) For the purposes of determining adequate fire access as discussed above, "approved route" is the distance measured along a path that simulates the route a firefighter may take to extend a hose line around the exterior of a structure from a fire engine parked on the nearest fire apparatus access road. This is measured at a point located ten (10) feet from the edge of the roadway or curb. Under most circumstances, the approved route will not be a straight line. Fences, planters, other structures, topography and any significant changes in elevation must be considered when determining whether a building or structure is accessible from a particular location on the fire access roadway. **(See Diagram A-2.1)**

NUMBER REQUIRED

- 1) For new residential development, additional points of access will be determined by the number of existing or future dwelling units that the roadway will provide fire access to, as well as by measuring the length of the roadway.
 - a) For single family uses, a minimum of two points of access, meeting the requirements of the County or City Engineering department for unrestricted motor vehicle access as well as the requirements of this standard, are required when serving more than thirty (30) dwelling units. For multiple family uses, two or more separate points of access are required when serving more than one hundred (100) dwelling units.
- 2) In all commercial and industrial development, a minimum of two or more separate points of fire access into a site or premises, which meet the requirements of the County or City Engineering Department for unrestricted motor vehicle access as well as all the other requirements of this standard, shall be provided whenever fire apparatus access roadways are required onsite. **(See Diagram A-2.3)**
 - a) For development projects that are constrained with practical difficulties in providing two points of fire access as described above, one point of fire access for emergency ingress and egress shall be allowed at the discretion of the fire code official if it is unobstructed with no gates or other barriers, provides a minimum of thirty five (35) feet in width, and provides access to



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buildings or structures totaling no more than sixty two thousand (62,000) square feet and no more than thirty (30) feet or three (3) stories in height.

- b) When a secondary point of fire access into a development is required, it may be permitted to be an Emergency Vehicle Access (EVA) with the approval of the fire code official. The EVA shall be secured with a gate or other barrier acceptable to the fire code official (See SBCFD Standard A-3.)
- 3) In all cases, to be considered a separate point of fire access, such access shall be located at least one half (1/2) of the diagonal distance of the development area served, apart from another point of fire access.
- 4) The fire code official is authorized to require more than two means of fire access based on the potential for impairment of roadways by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access. For example, certain uses or areas may require additional provisions for egress of a large number of the public during major disasters.

LOCATION

1) In all development except single family residential, where required, fire apparatus access roadways shall be provided on at least one (1) side of every building or structure, which shall be the side with the greatest length. The access road shall run parallel to the entire length of the building. The roadway shall not be closer than ten (10) feet or farther than thirty (30) feet from the building, as measured from the face of curb or edge of the access roadway to the exterior wall or projection of the building or structure. **(See Diagram A-2.4)**

2) In addition, fire access roadways shall be located as per the following:

- a) Buildings less than 50,000 square feet and greater than 100 feet in depth shall be provided with fire access roadways on two (2) sides, one of which shall be on the longest side.
- b) Buildings that are 50,000 square feet or larger shall have fire access roadways provided on three (3) sides, two (2) of which will be on the longest sides.
- c) Buildings which exceed 100,000 square feet shall have fire access roadways provided on all sides.
- d) Buildings that are four (4) or more stories in height shall have fire access roadways provided on all sides. **(See Diagram A-2.4)**

DIMENSIONS

- 1) Fire apparatus access roadways shall be measured from the face of a vertical curb, the edge of the roadway pavement, or flow line of a rolled curb, or the exterior wall or projection of a building **(See Diagram A-2.5)**
- 2) Fire apparatus access roadways serving all buildings, structures or facilities shall be a minimum of twenty-six feet (26') in unobstructed width. See (a) through (c) below for exceptions.
 - a) Residential driveways that provide fire access to not more than two (2) single family dwellings and accessory structures shall be a minimum of twelve (12) feet in width.



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- b) Fire apparatus access roadways serving buildings that are three (3) stories or more in height or more than 300,000 square feet in area shall be a minimum of thirty (30') feet in unobstructed width.
 - c) When approved by the fire code official, in Mountain Region areas as designated by the County or where topographical constraints exist, fire apparatus access roads that are less than the minimum width, but no less than twenty (20) feet in width, shall be permitted. Such roadways shall have turnouts that are a minimum of six feet (6') in width and fifty (50') feet in length and spaced at approximately every six hundred (600') feet. If fire hydrants are located on access roads, the turn-out shall be located at each fire hydrants and other points determined necessary for fire protection and emergency response. **(See Diagram A-2.8)**
 - d) One-way fire access roadways and roadways that have raised medians shall have an unobstructed one-way width of twenty (20) feet. Such medians shall be a maximum of fifty (50) feet in width except where approved by the fire code official. Roadways with raised medians shall have intersections or median breaks located a maximum of six hundred (600) feet apart or as recommended by the County or City Engineering Department. **(See Diagram A-2.7)**
- 3) All fire access roadways shall be no less than fourteen (14) feet six (6) inches in unobstructed vertical clearance, as measured from roadway surface at its the highest elevation to the lowest point of any obstruction.
 - 4) All dead-end fire access roadways that exceed one hundred fifty (150') feet in length shall be provided with a turn-around in accordance with the "TURNAROUNDS" section of this Standard. The length of a roadway for the purposes of this standard shall be measured from (A) the center line of the intersecting roadway that provides at least two points of access to (B) the center point of the dead-end roadway terminus, such as a cul-de-sac or other turnaround. **(See Diagram A-2.2.)**

The maximum length of dead end fire access roadways shall be:

 - a) Six hundred (600) feet in length in all residential and commercial development
 - b) One thousand (1000) feet in length in industrial development
 - c) Three hundred fifty (350) feet in length for development within a Fire Safety Overlay District as defined by the County Development Code
 - 5.) Parking of vehicles shall not be allowed to obstruct fire department access at any time. The following criteria shall be used to determine parking allowed on fire access roadways:
 - a) Parking is not permitted on roadways that are less than thirty two (32) feet in width.
 - b) Roadways that are a minimum of thirty two (32) feet in width but less than forty (40) feet in width may have parallel parking on one (1) side of the roadway in accordance with County or City standards.
 - c) Roadways that are a minimum of forty (40) feet in width may be designated to have parallel parking on both sides of the roadway. For higher density development, public or private streets that are a minimum of thirty six (36) feet in width may be allowed to have parking on



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both sides of the street with the approval of the fire code official, taking into consideration additional access provisions and other factors.

- d) In addition, parking that is perpendicular or diagonal to the edge of the roadway shall not obstruct the required minimum width of 26 feet for fire access. (See Diagram A-2.6)

SURFACE

- 1) All fire access roadway surfaces, except for driveways providing fire access to no more than two (2) single family dwellings or accessory structures, shall be capable of supporting a fire apparatus with a gross vehicle weight of 80,000 pounds (lbs.) For design purposes, fire apparatus weight is distributed as 60,000 lbs. on the rear dual axles and 20,000 lbs. on the front axle. When required by the fire code official, the design of fire access roadways shall bear the stamp of a registered professional engineer in order to verify that they meet this requirement.
- 2) Fire access roadways shall be paved with a concrete or asphalt material in order to provide "all weather" safe driving conditions. The appropriate thickness of surface materials and base materials shall be determined by a qualified engineer and subject to the approval of the County or City Engineering Department, but shall be in all cases a minimum of four (4) inches.
- 3) Planted materials that are retained by a solid system such as "Turf Block,"® or "Grass-crete"® may be used for fire apparatus access surfacing, with approval of the fire code official, for limited or isolated areas no more than fifty (50) feet in length and where road grades do not exceed two percent (2%). Such areas shall be clearly signed as Emergency Vehicle Access per SBCFD Standard A-3, Diagram A-3.1. These, as well as other alternate paving materials such as stone, concrete pavers, chip seal or slag, shall be evaluated based on their ability to support imposed load of a fire apparatus and shall be immediately recognizable to emergency responders as a drivable surface.
- 4) Where no paved roadways exist and road grades do not exceed eight percent (8%), and where serving only single family dwellings or accessory buildings, roads may be constructed with approved native materials or gravel compacted to eighty five percent (85%) compaction.

GRADIENT

- 1) Generally, the grade of a fire apparatus access road shall be a maximum of twelve percent (12%) at any point.
- 2) Fire apparatus access roadways or driveways may be increased to fourteen percent (14%) for a distance not to exceed 500 feet with the approval of the fire code official.
- 3) The grade of a driveway providing fire access to one (1) or two (2) single family dwellings may be increased to a maximum of sixteen percent (16%) for a distance not to exceed 500 feet in areas in which County or City Development Codes allow such increases and with the approval of the fire code official.
- 4) Grades across the width of a road section or within a turnaround area as described below shall not exceed five percent (5 %.)
- 5) In order to accommodate proper angles of approach and departure, gradient in fire access roads



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shall not exceed a five percent (5%) change along any ten (10) foot section. (See Diagram A-2.9)

TURNING RADIUS

- 1) All turns within fire access roadways that accommodate two-way traffic of fire apparatus shall be a minimum of nineteen feet (19') inside radius and forty five feet (45') outside radius. (See Diagram A-2.10.)
- 2) For fire access roadways that accommodate one-way traffic of fire apparatus, as well roadways that have limited traffic such as onsite drive aisles shall be a minimum of nineteen feet (19') inside radius and thirty two feet (32') outside radius. (See Diagram A-2.10)
- 3) Subject to the approval of the fire code official, a computer model fire apparatus turning template, set to the dimensions of a typical fire apparatus, can be used for determining the appropriate radius.
- 4) A minimum fifty (50) foot straight section of roadway must be provided between radius turns within fire access roadways, measured from the end of one radius turn to the beginning of the next. (See Diagram A-2.11) A turning template may also be used to modify this requirement.

TURNAROUNDS

- 1) An approved fire apparatus turnaround in accordance with this section is required when fire access roadways exceed one hundred fifty (150) feet in length.
- 2) Driveways, alleys, and other private roadways that are not intended for public access may provide a "hammerhead" style turnaround complying with Diagram A-2.12.
- 3) Public and private streets that are intended for public access shall terminate in an approved cul-de-sac with a minimum radius of forty five (45) feet. When allowed by the County or City Engineering Department for higher density development, cul-de-sacs that are a minimum of thirty eight (38) feet in radius may be allowed with the approval of the fire code official, taking into consideration potential for parking and other factors. (See Diagram A-2.13)

INSTALLATION

- 1) All fire access roadways required by the Fire Code and this standard shall be installed to an extent that will provide all-weather paved access for emergency vehicles prior to combustibles being brought to the site or combustible construction taking place. The fire code official shall determine the adequacy of fire access roads during construction; see also SBCFD Standard B-2.
- 2) All secondary points of fire access, including those that are EVA only, shall be installed prior to the first phase or the beginning of combustible construction. Subject to the approval of the fire code official, additional points of access may be installed during later phases of construction, provided all other requirements of this Standard are met and all access roads and points of access are installed prior to final for occupancy.
- 3) Prior to final approval for any development project, fire access roadways shall be complete with final lifts of asphalt, curbs and gutters, fire hydrant markers in accordance with SBCFD standard W-2, and approved signage and striping in accordance with SBCFD Standard A-1.



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TEMPORARY FIRE ACCESS ROADS

- 1) When approved by the fire code official, temporary access roads that meet all applicable requirements of SBCFD Standards may be installed during construction in lieu of permanent access roadways and maintained in place for a maximum period of one (1) year.
- 2) Temporary fire access roads shall be designed by a registered professional engineer and drawn on plans and submitted to the Fire Department in accordance with this Standard. Such roadways may be designed and constructed of any materials that will provide safe, all-weather drivable surface, provided these are evaluated by the design engineer and meet all applicable requirements of this Standard.
- 3) See SBCFD Standard B-2 for maintenance of temporary access roads.

MAINTENANCE

- 1) All fire apparatus access roads, private or public, shall be maintained unobstructed and in safe, drivable condition for emergency vehicle access at all times by the property owner or other responsible party.
- 2) In areas subject to snowfall, all roadways used for fire access shall be cleared of snow and repaired on a continual basis.
- 3) Landscaping and any other vegetation shall be maintained and cleared horizontally from the edges and extending vertically to fourteen (14) feet, six (6) inches in height for all fire access roads. Landscaping placed in decorative medians or near buildings shall not be obstructive to fire equipment. Consideration should be given as to the size of mature growth, for each species, so plants will not impede firefighting operations or access.
- 4) All roadways as well as cul-de-sacs and other required turnarounds shall be free of obstructions, including storage or the parking of vehicles.

FIREFIGHTER ACCESS TO BUILDINGS

- 1) Fences, walls, landscaped areas, or other obstructions that may inhibit firefighters from extending hose lines from a fire apparatus parked on a fire access roadway to any building shall have minimum four foot (4'-0") gates or openings provided, at locations acceptable to the fire code official.
- 2) A minimum four foot (4'-0") paved pathway shall be provided from fire access roadways to all fire access doors as required for high piled storage uses per the California Fire Code.

FIRE ACCESS ROADS WITHIN STATE RESPONSIBILITY AREAS AND STATE PROJECTS

- 1) Where not legally enforceable within State regulated development projects and existing facilities, the requirements in this Standard are strongly recommended within San Bernardino County Fire Department's jurisdiction.



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DIAGRAM A.2-1: ROUTE OF TRAVEL AROUND BUILDINGS

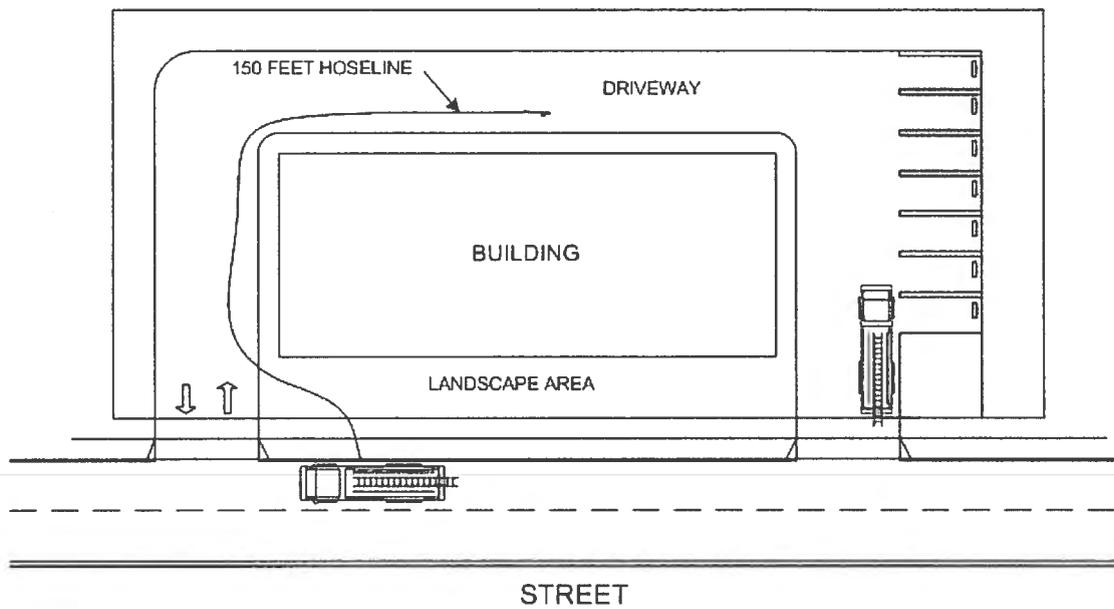
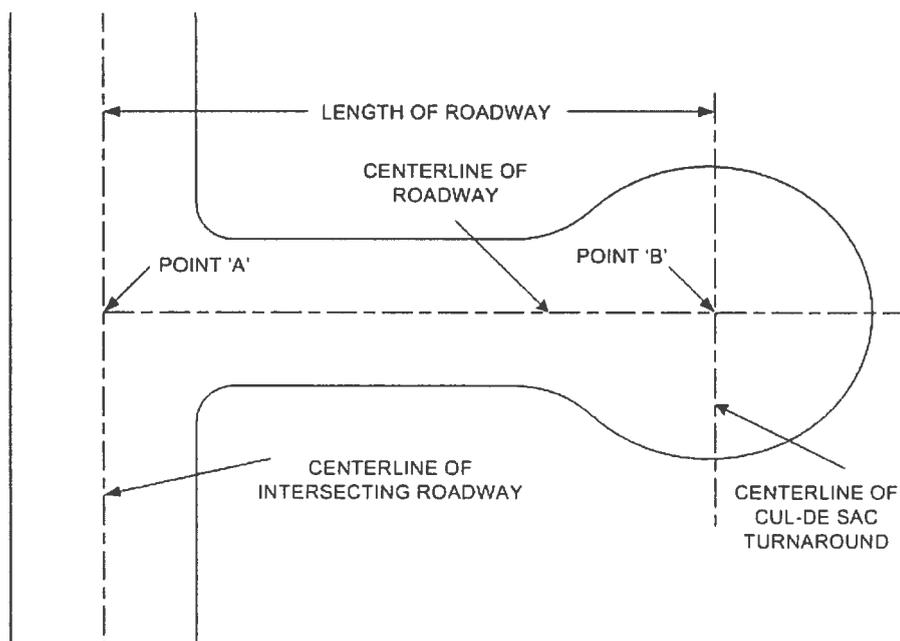


DIAGRAM A.2-2: METHOD OF MEASURING CUL-DE SAC LENGTH





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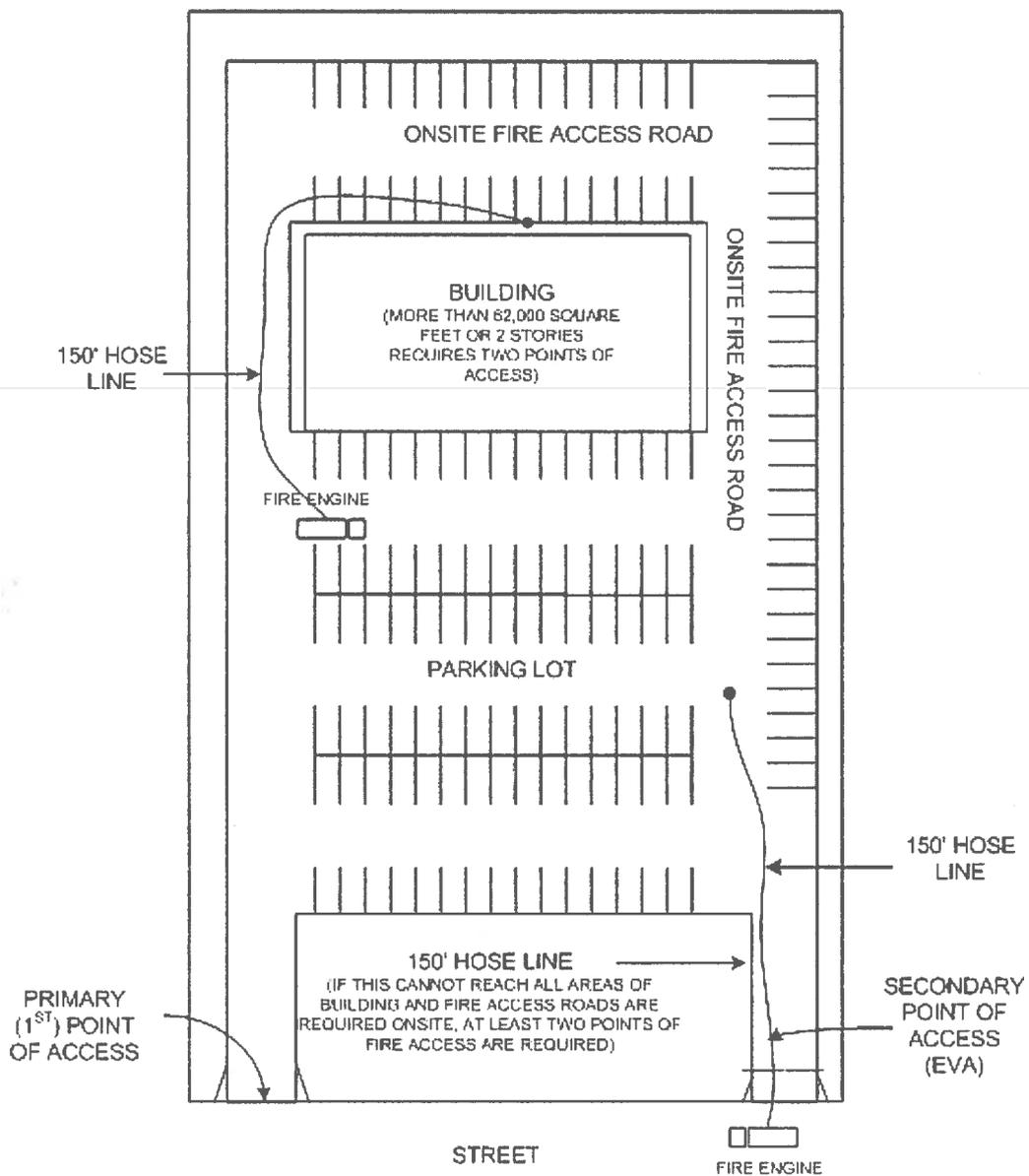
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DIAGRAM A.2-3: MULTIPLE POINTS OF ACCESS





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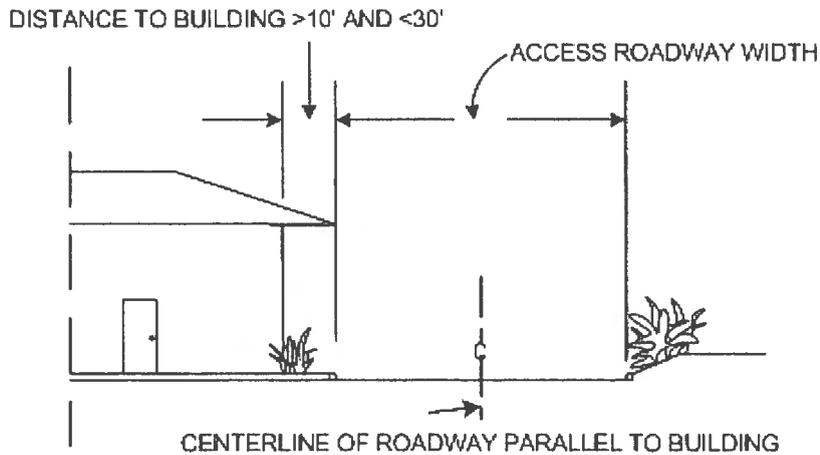
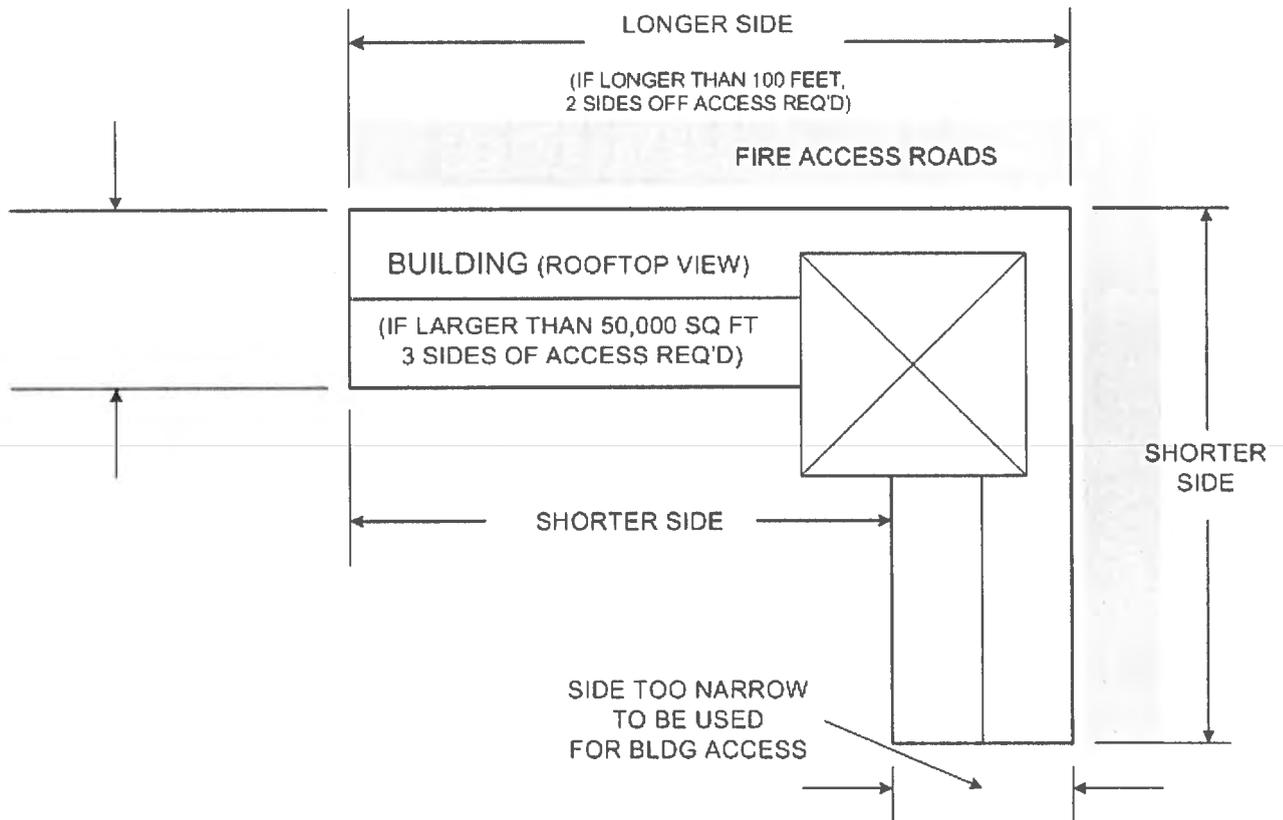
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DIAGRAM A.2-4: SIDES OF BUILDING ACCESS





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DIAGRAM A.2-5: ROADWAY MEASUREMENT DETAIL

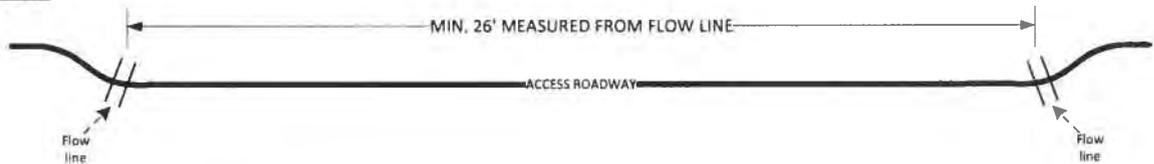
CURBED ROAD



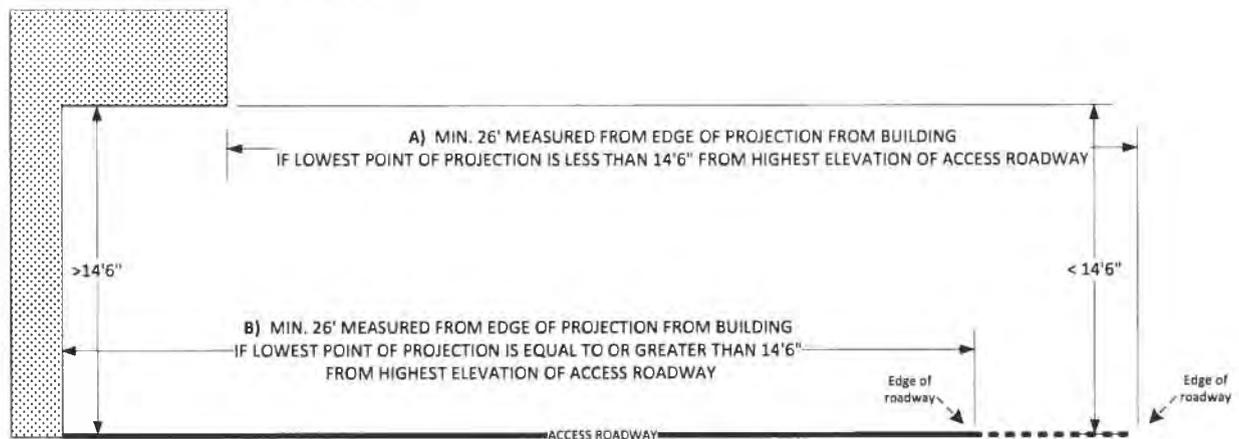
FLAT ROAD



ROLLED CURB



EDGE OF BUILDING OR PROJECTION





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DIAGRAM A.2-6: PARKING ON FIRE ACCESS ROADWAYS

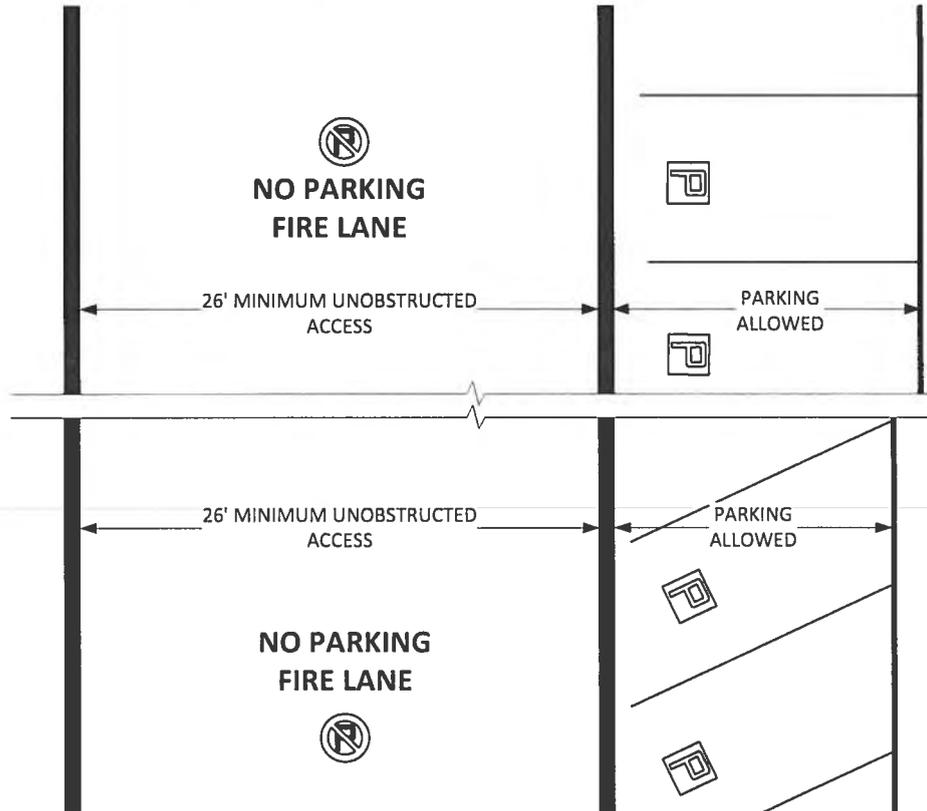
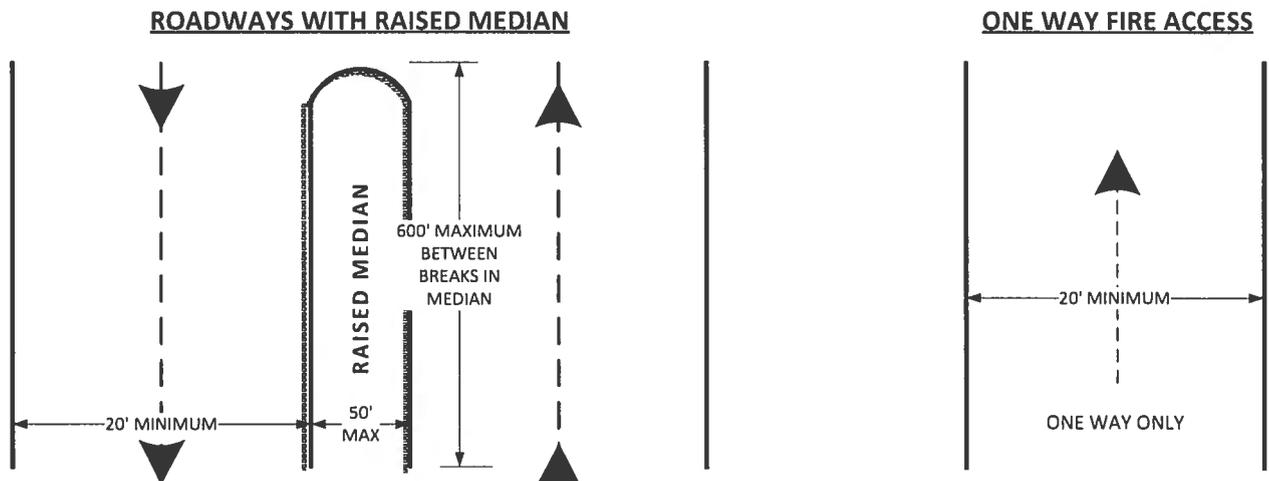


DIAGRAM A.2-7: ROADWAY MEDIAN BREAKS





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DIAGRAM A.2-8: ROADWAY TURNOUT DETAILS

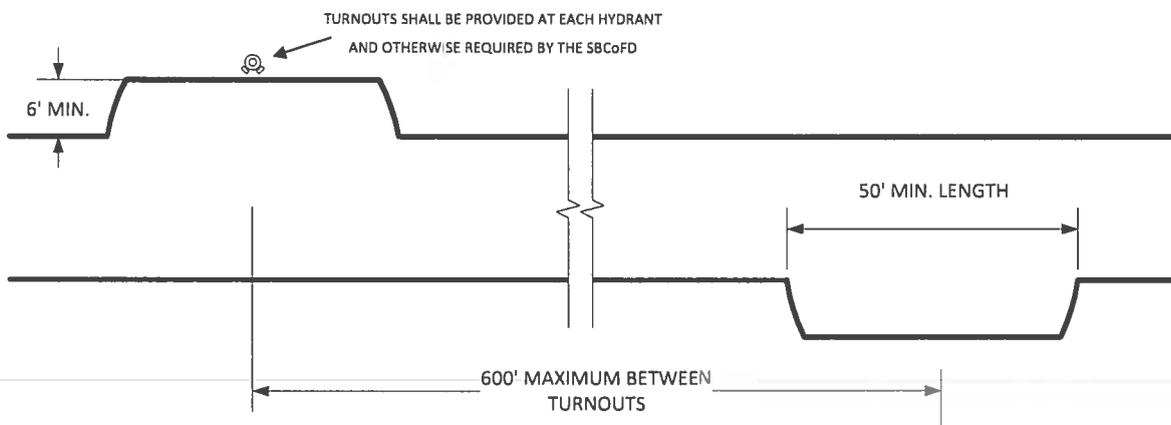
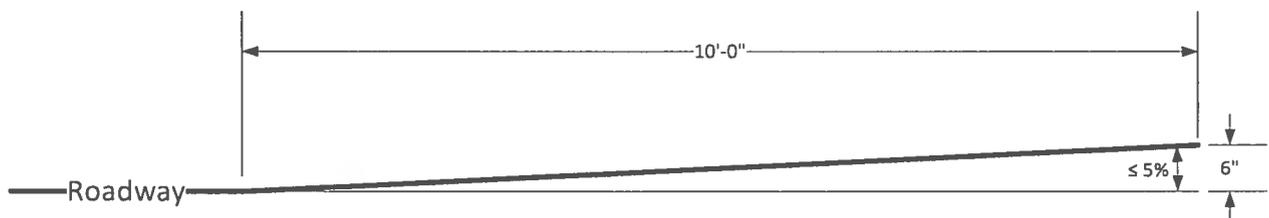


DIAGRAM A.2-9: ROADWAY GRADE DETAIL





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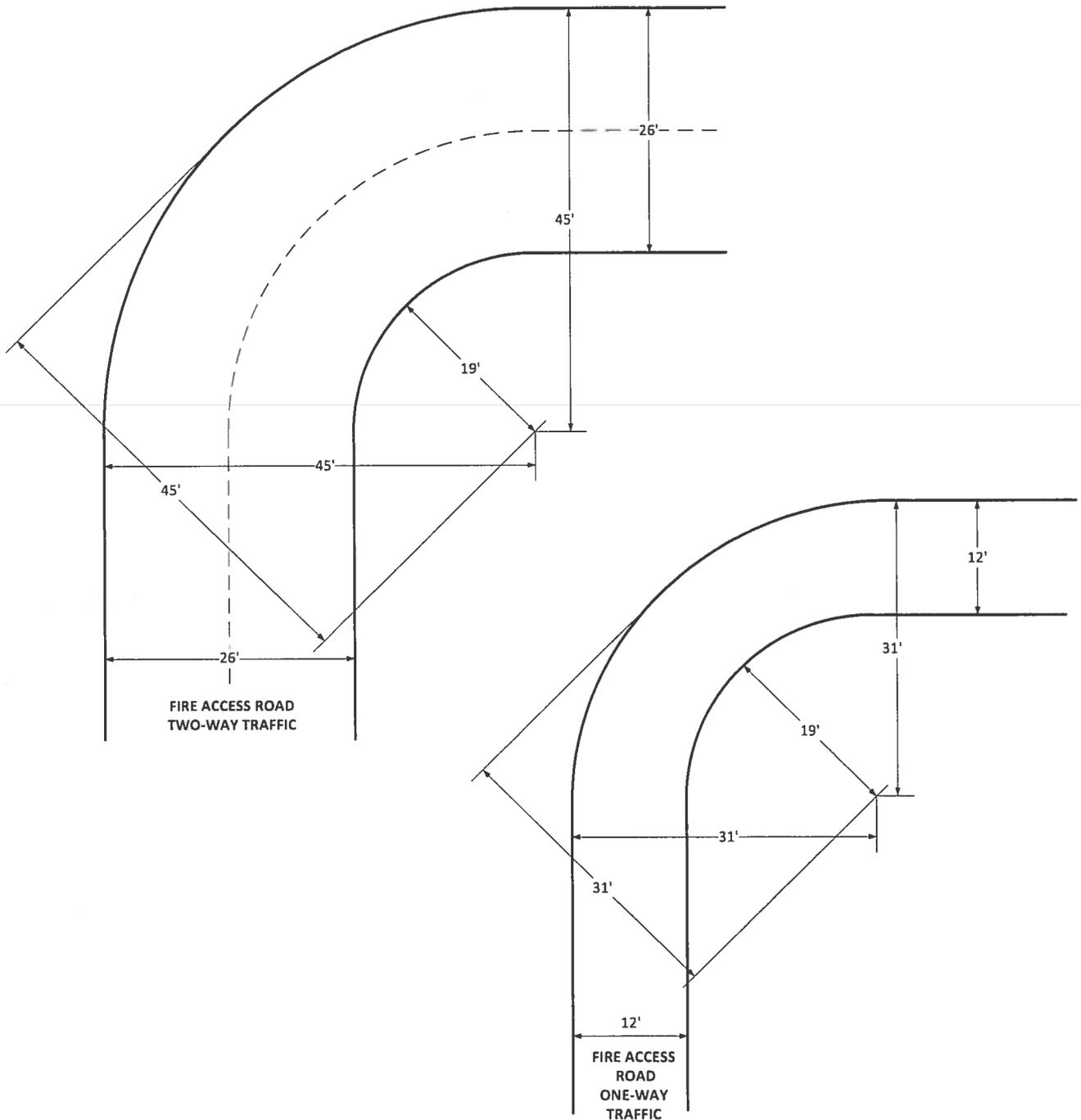
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DIAGRAM A.2-10: TURNING RADIUS DETAIL





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DIAGRAM A.2-11: ROADWAY CURVES

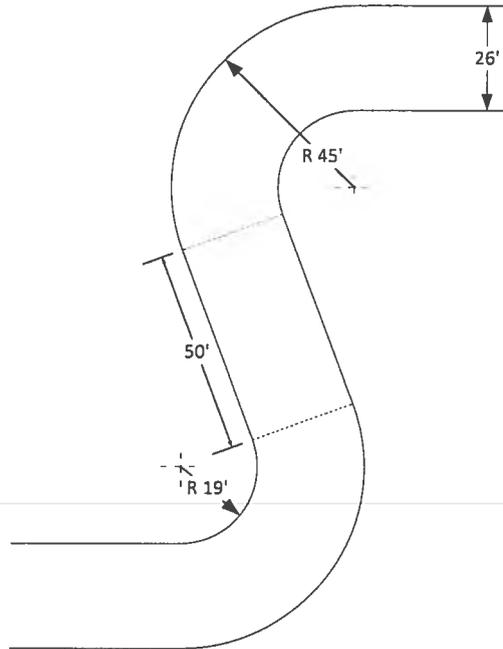
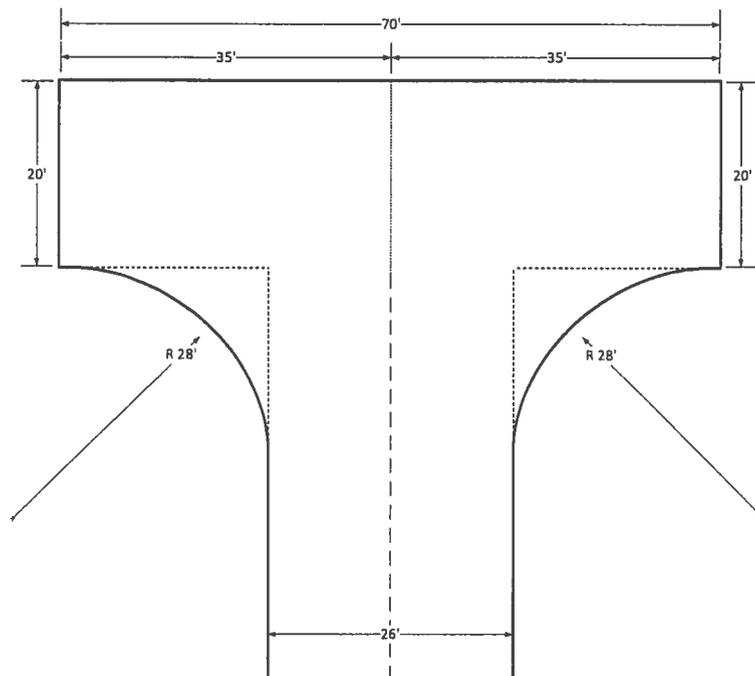


DIAGRAM A.2-12: HAMMERHEAD TURNAROUND DETAIL





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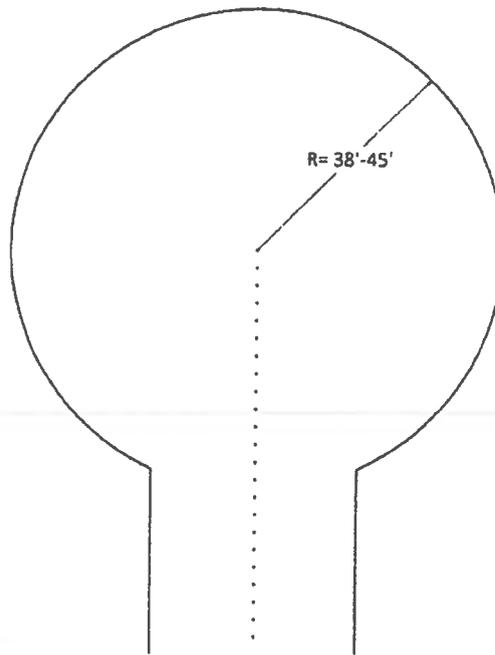
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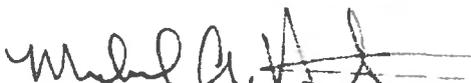
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DIAGRAM A.2-13: CUL-DE-SAC TURNAROUND DETAIL

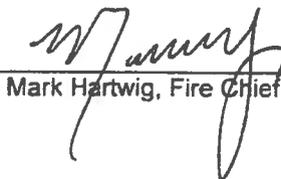


APPROVED BY:



Michael Horton, Fire Marshal

8-5-15
Date



Mark Hartwig, Fire Chief

8-6-2015
Date



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FIRE PREVENTION STANDARD

GATES AND OTHER OBSTRUCTIONS TO FIRE DEPARTMENT ACCESS

AUTHORITY

Sections 102.9 of the 2013 California Fire Code and Sections 4 and 8 of the San Bernardino County Fire Protection District Fire Code Ordinance provide that the fire code official of the San Bernardino County Fire Department shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to specify requirements not specifically provided for by the Fire Code. For further requirements on this subject, see sections 503.4, 503.5, and 503.6 et. seq. of the 2013 California Fire Code.

PURPOSE

The purpose of this standard is to provide guidance for the approved methods of installation and maintenance of gates and other obstructions to fire department access.

SCOPE

This standard shall apply to all obstructions, access control devices, traffic calming devices, or other similar systems within any roadways that serve as fire access in all new or existing residential, commercial, and industrial development. This standard does not apply to obstructions within parking aisles that do not serve as fire apparatus access roads.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the latest shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed.

These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

SUBMITTALS

Detailed plans shall be submitted to the Fire Department for approval and permit prior to the installation of any obstructions, security gates or other vehicle access control device or system. The plans shall contain at a minimum the following information:

- 1) Plot plan showing the locations of all fire department access roads, nearby buildings, fire protection equipment and appliances, means of emergency operation, and location(s) of any proposed gates or other obstructions.
- 2) Elevations and cross sections of all gates or other obstructions, with dimensions.
- 3) Details of the installation and manufacturer's specifications sheets for all materials and associated equipment.
- 4) Proposed signage and/or striping on all fire apparatus access roadways as required by SBCFD Standard A-1.
- 5) Any other important details and information as required by this Standard.

Once approved for installation, the work shall be inspected by the Fire Department prior to placing the system into operation.

Note: Please see SBCFD Standard A-4 pertaining to Knox ® key switches and key boxes.



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FIRE PREVENTION STANDARD

GATES AND OTHER OBSTRUCTIONS TO FIRE DEPARTMENT ACCESS

DEFINITIONS

EMERGENCY VEHICLE ACCESS (EVA) - A road or other passageway developed to allow the passage of fire apparatus. An emergency vehicle access is not necessarily intended for vehicular traffic other than fire apparatus.

SPEED BUMP - A raised portion of roadway that is out of conformance with the minimum criteria in this Standard and not approved by the Fire Department

SPEED HUMP - A raised portion of roadway that meets the minimum criteria as specified in this Standard as well as that of a City or County Traffic Engineering Department

TRAFFIC CALMING FEATURES - Roadway devices such as bottlenecks, curves, and roundabouts which are designed to slow the speed of traffic

GENERAL

- 1) All obstructions to fire department access shall be installed so as to provide both emergency ingress and egress. Direction-limiting devices with no override provision, such as fixed tire spikes, shall be prohibited.
- 2) The total number of obstructions to fire department access or associated systems, through which emergency responders must pass through to reach any address, shall not exceed one unless specifically approved by the fire code official.
- 3) The placement of gates or obstruction shall not at any time interfere with the use of fire protection equipment; i.e. fire hydrants, fire department connections, fire sprinkler valves etc.
- 4) All access control devices must be operable to emergency responders with no prior special knowledge, device, or effort.
- 5) All obstructions to fire department access which require electrical, hydraulic, or pneumatic power or force for normal operation shall automatically retract into an open position ("fail open") when there is a malfunction or power loss, and shall stay secured in an open position until normal operation is restored.

MANUALLY OPERATED SECURITY GATES

- 1) Access roads designated for Fire Department (EVA) use only may be gated with manually operated gates which are marked with a sign reading "EMERGENCY AND AUTHORIZED VEHICLES ONLY" per **Diagram A-3.1**, with red letters contrasting from their background and visible from all directions of approach, and must meet other applicable requirements of the California Fire Code and San Bernardino County Fire Department Standards.
- 2) Manual gates shall have a means of emergency operation that allows manual operation by one person. Manually operated gates shall be equipped with an approved "Knox ®" padlock or an equivalent locking system acceptable to the Fire Department.
- 3) Manual gates shall either slide open horizontally or swing inward in the direction of emergency vehicle ingress to open.



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GATES AND OTHER OBSTRUCTIONS TO FIRE DEPARTMENT ACCESS

- 5) For development other than single family dwellings, fire apparatus access openings or driveway approaches serving two-way vehicular traffic shall provide a minimum width of twenty (20) feet of clearance fully open. When medians or center dividers are present and openings or approaches serve one-way traffic, a minimum of twelve (12) feet of clearance shall be required when gates are fully open. One way openings or approaches shall be within fifteen (15) feet of each other, and shall meet all the requirements of this Standard.
- 6) For private driveways serving single family dwellings, gates shall have a minimum clear open width of twelve (12) feet, and shall meet all other applicable requirements of this Standard.
- 7) Gates that provide emergency access to fuel modification zones or wildland areas shall be a minimum clear open width of fifteen (15) feet of and shall meet all other applicable requirements of this standard.
- 8) Parking of vehicles shall not obstruct any entrance or the operation of any gate installed per the requirements of this standard. "NO PARKING" signs designed and installed in accordance with San Bernardino County Fire Department Standard A-3 may be required as directed by the fire code official.
- 9) When required by the fire code official, entry gates shall be installed so as to provide a minimum of forty feet (40') of fire apparatus stacking from the intersecting road. **(See Diagram A-3.2)**

ELECTRICALLY OPERATED SECURITY GATES

- 1) Electrically operated security gates shall meet all the requirements of the "MANUALLY OPERATED SECURITY GATES" section above and must meet other applicable requirements of the California Fire Code and this section, as well as all other San Bernardino County Fire Department Standards.
- 2) Electric gates shall be equipped with an emergency preemption device, or an automatic means of opening the gate for emergency access by fire department personnel. The location and type of emergency opening devices shall be approved by the fire code official, and may include Opticom® or equivalent sensors and/or Knox key switches as deemed necessary by the fire code official. **(See Diagram A-3.3)**
- 3) Any preemption devices on electric gates shall override all normal gate operations and completely open the gate(s). After preemption devices are activated, gates shall be maintained in an open position for a minimum of twenty (20) minutes, after which the gate controller shall automatically reset and close the gate.
- 4) All electric motors operating security gates that obstruct fire department access roadways or systems shall be listed in accordance with ASTM F2200 and UL 325, and shall reach the fully open position within a total time not to exceed one second for each one foot of obstructed required width.
- 5) A safety loop that prevents the gate from closing on vehicles going through the gate shall be installed on all electric gates.
- 6) An automatic exit loop that activates the gate in the direction of egress shall be installed on all electric gates, or an additional preemption device may be installed in the direction of emergency vehicle egress when approved by the fire code official.



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- 7) Electric gates shall be provided a manual release to allow the gate to be operated manually when electrical service is interrupted.

REMOVABLE OR RETRACTABLE BOLLARDS AND BARRICADES

- 1) Bollards and barricades of any type that are installed across fire apparatus access roads shall be either automatically retractable into an open position or manually removable. The location, type and design of such obstructions shall be approved by the fire code official prior to installation.
- 2) Bollards or barricades that are automatically retractable shall have an approved means of emergency operation for Fire Department use, installed in a highly visible location.
- 3) Manually removable bollards or barricades shall not exceed forty pounds (40 lbs.) per bollard or barricade. Any padlocks or other security devices installed on removable bollards or barricades shall be a "break-away" type that can be easily forced open.
- 4) Bollards and barricades shall be painted with bright colored reflective yellow paint and have reflective decals installed for high visibility during the hours of darkness.

SPEED HUMPS

- 1) Speed humps installed within fire access roadways shall be designed pursuant to this standard or other recognized equivalent specification; and if installed on public streets, shall be approved by the County or City Engineering Department having jurisdiction. In general, speed humps shall be designed for vehicles with a travel speed of 25 mph, a minimum width of twelve feet (12'), a maximum height of four inches (4") and a minimum taper of 24 inches (24") (**See Diagram A-3.4**)
- 2) Speed humps shall be spaced no closer than 300 feet apart. Speed humps shall not be placed within five feet (5') of an intersection or driveway, or within twenty feet (20') of a fire hydrant.
- 3) Warning signs as well as reflective pavement marking shall be required per City or County Standards if speed humps are placed on public streets. Speed humps placed on private property shall have signage and diagonal pavement "hash" markings as shown in **Diagram A-3.5**.
- 4) Existing, non-conforming speed humps (such as speed bumps) will be subject to removal when deemed by the fire code official as a hazard to emergency response vehicles.

OTHER TRAFFIC CALMING FEATURES

- 1) Traffic calming features designed to slow the speed of traffic may be utilized subject to approval by the fire code official. At no time will traffic calming devices be allowed to restrict the minimum width or turning radius within a fire department access route.
- 2) When approved, traffic calming devices shall be constructed and maintained as per appropriate standards. Plans shall be submitted to the Fire Department for review and approval prior to any construction taking place.

MAINTENANCE OF OBSTRUCTIONS

- 1) In order to ensure proper maintenance, a copy of a maintenance contract for automatic devices and systems is required to be supplied to the Fire Department for review. Regular inspections of equipment, on a minimum of a bi-annual basis, shall be performed and a record kept on file for Fire Department review.



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- 2) The property owner and/or property owners association shall be responsible to maintain all equipment. All system components shall be maintained in an operative condition at all times and shall be replaced or repaired when defective.
- 3) The Fire Department shall have the authority to perform inspections to ensure proper maintenance and integrity of any systems or equipment on an as-needed basis.

DIAGRAM A-3.1 "EMERGENCY VEHICLES ONLY" SIGN

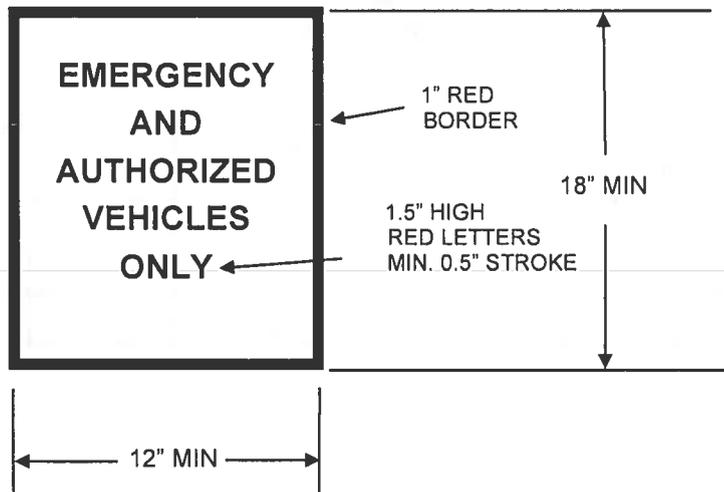
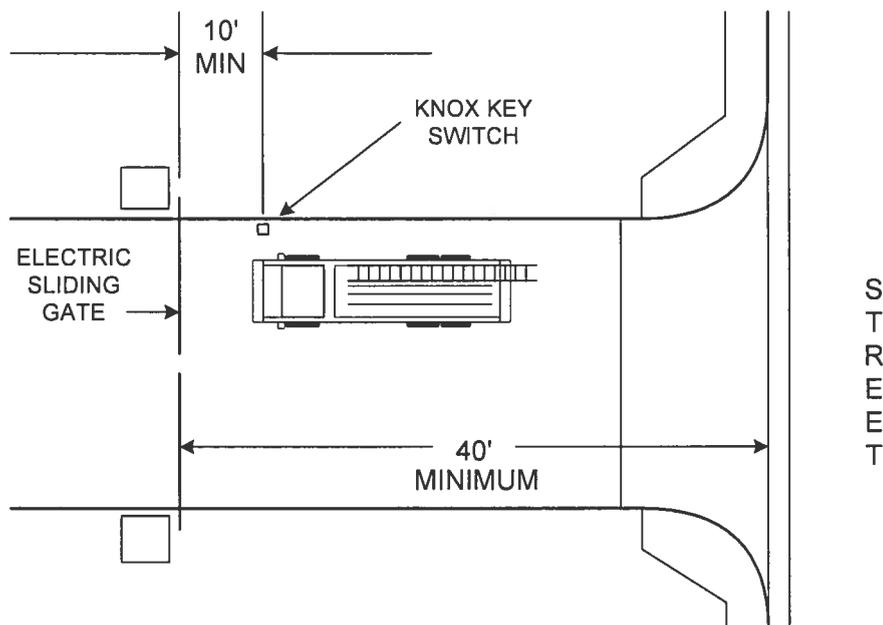


DIAGRAM A-3.2 ENTRY GATE STACKING





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DIAGRAM A-3.3 ELECTRICALLY OPERATED GATE

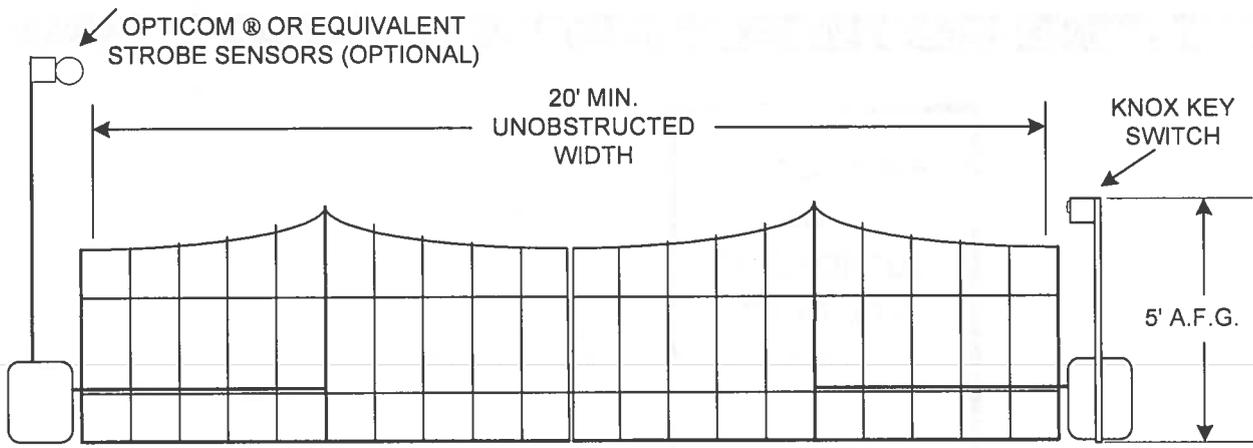
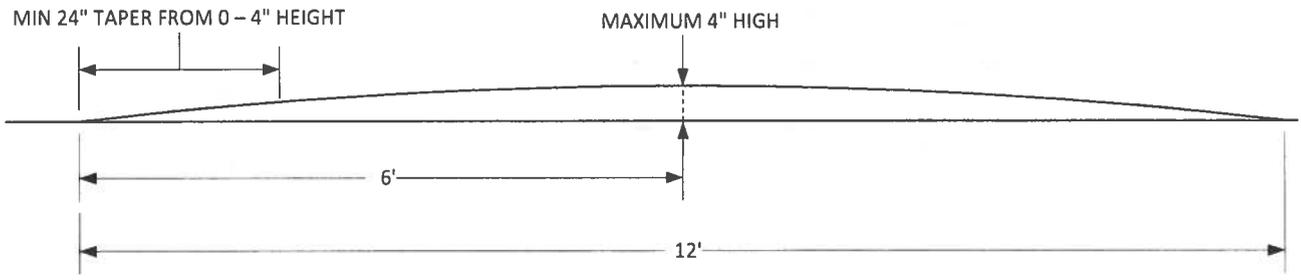


DIAGRAM A-3.4 SPEED HUMP





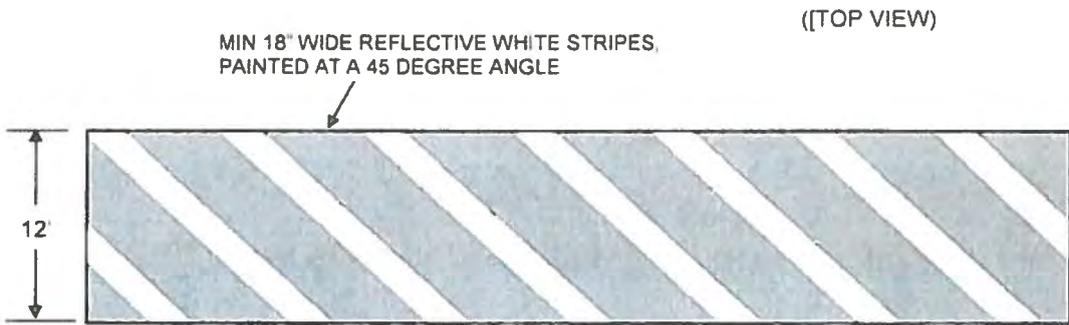
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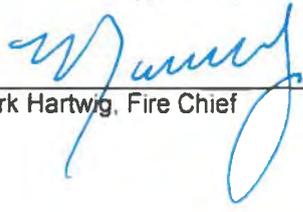
DIAGRAM A-3.5 SPEED HUMP STRIPING



APPROVED BY:



Michael Horton, Fire Marshal



Mark Hartwig, Fire Chief

8-5-15

Date

8-6-2015

Date



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FIRE SAFETY STANDARD

WATER SUPPLY FOR RESIDENTIAL FIRE PROTECTION

AUTHORITY

Sections 102.9, 103 & 104 of the 2013 California Fire Code provides that the fire code official of the San Bernardino County Fire Department shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to specify requirements not specifically provided for by the Fire Code. For further requirements on this subject, see section 507 of the 2013 California Fire Code.

PURPOSE

The purpose of this standard is to serve as an alternate guideline to NFPA 1142 for establishing a fire protection water supply for single family residential occupancies in areas not served by a water purveyor.

SCOPE

This standard applies to new single family dwellings, two family dwellings, and non-dwelling accessory structures within areas that have no water purveyor capable of providing an adequate water supply for firefighting purposes, as determined by the requirements in the Fire Code.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the most updated shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed.

These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

SUBMITTALS

Plans for water tanks and appurtenances shall be submitted to the Fire Department for review, approval and permit prior to installation.

The submittal shall contain, at a minimum, the following:

- 1) Locations and elevations of all structures, including dwellings and any accessory structures
- 2) Locations and elevations of all fire department access roads, including any obstructions to fire access (See SBCFD Standards A-2 and A-3 for more information)
- 3) Location, size and elevation of water tank(s)
- 4) Location, size, and type of Fire Department Hose Connection (FDHC)
- 5) Location, size and type of any underground fire protection water piping
- 6) Details of any methods for freeze protection used
- 7) Any other significant information required in this Standard



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WATER SUPPLY FOR RESIDENTIAL FIRE PROTECTION

DEFINITIONS

FIRE DEPARTMENT HOSE CONNECTION (FDHC): A connection provided in conjunction with a water storage tank that allows fire fighters to connect and obtain needed water for fire-fighting purposes.

FIRE PROTECTION WATER SUPPLY: A water supply provided for firefighting purposes only. Water required for domestic, industrial, landscaping, agricultural or any other use are in addition to a fire protection water supply..

SELF-CONTAINED AUTOMATIC FIRE SPRINKLER SYSTEM: A fire sprinkler system that is supplied from a water source that is not dependent on a municipal (public) system and that consists of a water storage tank and a reliable method of pressurizing water, such as gravity, booster pump with emergency power, or pressurized cylinder.

WHARF HYDRANT: A fire hydrant with minimum four inch (4") underground supply piping and with a single two and one-half inch (2-1/2") outlet.

GENERAL

- 1) In areas without a water purveyor, an approved self-contained automatic fire sprinkler system shall be required. If, in the opinion of the fire code official it becomes impractical to install an automatic fire sprinkler system, or an automatic sprinkler system is required by other portions of the Fire Code, an onsite water storage tank with a minimum of 5,000 gallons fire protection water supply shall be required in a location approved by the fire code official and meeting all of the requirements of this standard, provided all the conditions below are met:
 - a) It is a residential building not more than two (2) stories in height or 35 ft. in height
 - b) It requires a fire flow, per Appendix B the California Fire Code, of not more than 1,000 gallons per minute
 - c) Structures being protected that contain dwelling units are separated from property lines and other dwelling units and structures, not including accessory structures located on the same property, by a distance of a least fifty (50) feet.

FIRE DEPARTMENT HOSE CONNECTIONS

- 1) FDHC's shall be installed within ten feet (10') of the driveway or access road, no closer than twenty five feet (25') and no farther than one hundred fifty feet (150') from structures to be protected. **See Diagram W-1.1.**
- 2) Fire Department Hose Connections shall be installed so that there is an elevation difference of thirty six inches (36") minimum between the FDHC and the bottom of the water tank, for effective gravity flow, unless an approved fire pump is provided. **See Diagram W-1.2.**
- 3) If special conditions preclude the installation of a remote FDHC, an approved two and one-half inch (2-1/2") National Standard Hose Thread FHDC may be installed on the bottom of a water storage tank when approved by the fire code official. This FHDC must be between six (6") and



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eighteen inches (18") from the adjacent ground level, and on the same side of the tank as a fire access roadway, and shall be a minimum of ten feet (10') higher in elevation from the access roadway or protected structure for effective gravity flow. **See Diagram W-1.2.**

- 4) FDHC's shall be National Standard Hose Thread, two and one-half inch (2 ½") in size, and listed for fire service use. A wharf hydrant or equivalent assembly shall be acceptable within the scope of this standard. The FDHC outlet shall be installed between twelve (12") and twenty four inches (24") above adjacent grade level.
- 5) When subject to the possibility of vehicle impact, FHDCs shall be protected by approved bollards. Bollards shall be installed in accordance with the current edition of NFPA Standard 24. **See Diagram W-1.3.**
- 6) Fire Department Hose Connections shall be painted red. An approved blue reflective marker shall be installed on the roadway nearest the FHDC. In areas prone to snowfall, an approved snow marker shall be installed (an approved visual pole with a reflective top above snow level shall be installed for location of FDHC).

FDHC's shall be installed so that a clear space having a radius of three feet (3') from connections is maintained free of obstructions, such as landscaping or parking, at all times.

SUPPLY PIPING

- 1) All piping supplying FDHC's shall be a minimum of four inches (4") in size, and shall be of approved schedule 40 CPVC plastic. Pipe shall be buried at a minimum of twenty four inches (24") below grade level, or below frost level as specified in the current edition of NFPA standard 24, whichever is greater. Where piping passes under areas subject to vehicular traffic, the minimum depth of bury shall be thirty six inches (36") below grade, or below frost level, whichever is greater.
- 2) The system shall be designed and installed so that the integrity of the piping and the connection of all appurtenances allow for a proper draft to be initiated and maintained at all times.

WATER TANKS



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**FIRE SAFETY STANDARD
WATER SUPPLY FOR RESIDENTIAL FIRE PROTECTION**

- 1) Fire protection water supply tanks shall be constructed of approved plastic, metal, cement, or other material and listed for fire department use.
- 2) Water tanks shall be installed securely and on flat grade and shall be located a minimum of twenty five feet (25') from a structure, and shall be visible from the street on the address side of the structure.
- 3) Domestic water supplies (including that for irrigation of landscaping) shall not be stored in fire protection water supply tanks unless it can be shown that adequate water can be provided to satisfy all current and future domestic needs in addition to that required for fire protection, but in all cases the water capacity of the tank shall be increased to a minimum seven thousand five hundred (7,500) gallons with a minimum of 5,000 gallons for fire protection supply only.
- 4) When the fire protection supply and domestic water supply are in the same tank, an approved low level water alarm device shall be installed and set so as to activate when the supply in the tank is 5,000 gallons or less. Such alarm shall be sounded locally within the primary dwelling on the property or shall have an automatic refill system from the domestic line from the water supply on site. Tanks supplying water for fire protection purposes shall be maintained at full.

FIRE PUMPS

- 1) Any proposed fire pumps that take suction from water tanks in order to maintain proper head pressure must be listed and approved for fire protection use. Fire pumps shall be tested prior to final acceptance.
- 2) Fire pumps shall serve a combination of both domestic and fire protection needs, or shall have an approved emergency power source if serving fire protection demand only.

TANK VALVES

- 1) Control valves shall be provided for all installations. Valves shall be of the indicating type and locked in an open position. The following control valves shall be provided:
 - a) FDHC control valve. This valve located between the tanks and the FDHC outlet shall be placed at location(s) approved by the (fire code official).
 - b) Water Source Control Valves. One shall be provided to isolate tanks from water fill sources.
 - c) Fire Pump Bypass Control Valves. This valve shall be installed when pumps are installed that take suction from water tanks, and shall be located on the supply side of pump intake lines and bypass water lines. No other control valve shall be on the system unless approved by fire code official. **See Diagram W-1.4**

SIGNAGE



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- 1) Water storage tanks shall be labeled with signage stating "FIRE PROTECTION WATER SUPPLY" per **Diagram W-1.5**. Letters shall be white with red background and shall be reflective.
- 2) FDHC valves shall be labeled with signage indicating the address of the property that is served, stating "FIRE DEPARTMENT HOSE CONNECTION" per **Diagram W-1.5**. Numbers and letters shall be white with red background and shall be reflective.

PROTECTION FROM FREEZING

- 1) Water tanks and all valves and piping shall be protected from freezing when installed at or above an altitude of three thousand five hundred feet (3,500') above sea level. Freeze protection shall be accomplished using one or more of the following methods, subject to the approval of the fire code official:
 - a) Insulation installed around water tanks and piping
 - b) Piping installed without water (dry), but capable of completely filling with water when valves are opened
 - c) An approved mixture of antifreeze (1:1 ratio) added to water supplies.

INSPECTION AND MAINTENANCE

- 1) All fire protection water supplies within the scope of this standard shall be subject to inspection by the Fire Department. The final location of Fire Department Hose Connections (FHDC's) shall be subject to Fire Department approval.
- 2) All materials used in tank installations shall be new. Storage tanks shall be full of water at time of Fire Department inspection, and if used with domestic supply, a low-level alarm test shall be conducted at final. If FDHC is not attached to the tank, the installer shall leave trench open for inspection of underground piping.
- 3) Foundations for tanks shall be subject to permits from the Building and Safety Department.
- 4) Water storage tanks, connections and valves shall be maintained in an operable, full and ready condition at all times.

DIAGRAM W-1.1: FIRE DEPARTMENT HOSE CONNECTION INSTALLATION



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**FIRE SAFETY STANDARD
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DIAGRAM W-1.2: GRAVITY FLOW INSTALLATION METHOD

DIAGRAM W-1.3: PROTECTIVE BOLLARD DETAILS



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**FIRE SAFETY STANDARD
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DIAGRAM W-1.4: VALVE LOCATIONS AND TYPES

DIAGRAM W-1.5: SIGNAGE DETAILS



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FIRE SAFETY STANDARD
WATER SUPPLY FOR RESIDENTIAL FIRE PROTECTION

APPROVED BY:

Handwritten signature of Mike Horton in black ink.

Mike Horton, Fire Marshal

Handwritten signature of Mark Hartwig in black ink.

Mark Hartwig, Fire Chief

8-5-15

Date

8-6-2015

Date



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W-2

FIRE SAFETY STANDARD

ONSITE FIRE PROTECTION WATER SYSTEMS

AUTHORITY

Sections 102.9, 103 and 104.1 of the 2013 California Fire Code provides that the fire code official of the San Bernardino County Fire Department shall have the authority to adopt policies, procedures, rules, and regulations in order to clarify the application of the Fire Code and to specify requirements not specifically provided for by the Fire Code. For further requirements on this subject, see section 508 of the 2013 California Fire Code.

PURPOSE

The purpose of this standard is to serve as an alternate guideline to NFPA 24 for establishing a onsite private water supply capable of providing an adequate water supply for firefighting purposes, as determined by the requirements in the Fire Code.

SCOPE

This standard establishes minimum requirements for installation and maintenance of all private hydrants.

DISCLAIMER

These standards may change without notice. Whenever applicable statutes, regulations and standards are updated and adopted, the latest shall apply. Please contact the Community Safety Division at (909) 386-8400 to determine if these standards have changed.

These requirements do not exempt any individual from complying with other applicable state, county, or city codes and standards.

SUBMITTALS

- 1) Three (3) sets of plans shall be submitted to the Fire Department and/or Fire Consultant for approval. These plans shall illustrate all water lines and their appurtenances and shall establish the required fire flow needed for the proposed project(s).
- 2) These plans shall be designed by a licensed fire protection engineer for certification that the required fire flows shall be provided. The plans shall bear the seal and signature of the registered engineer and the water company having jurisdiction if the system is public.
- 3) The engineer responsible for the design shall provide a certification statement with the following text verbatim: *"I certify that the design of the water system is in accordance with the requirements prescribed by the San Bernardino County Fire Department."*
- 4) No work shall commence until plans are approved by the Fire Department and/or the water company having jurisdiction.

GENERAL

- 1) Underground water supply systems shall be designed and installed in accordance with the latest edition of NFPA 24, and San Bernardino County Fire Department Standard W-1 for all commercial/industrial, single family residential development and multi-family projects. No deviations from these recognized standards will be made without approval from the San Bernardino County Fire Department.



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**FIRE SAFETY STANDARD
ONSITE FIRE PROTECTION WATER SYSTEMS**

UNDERGROUND PIPING SYSTEMS

- 1) Projects with a building exceeding 100,000 square feet shall be required to have a looped fire line system and have a minimum of two (2) points of connection to the public water source.
- 2) Underground pipe shall be laid with the identification data facing up to permit inspection and verification of pipe nomenclature.

FIRE HYDRANT DISTANCES

- 1) All fire hydrants, public and private, shall be located within one hundred fifty (150) feet from all portions of the building(s) to be protected, as measured along approved fire apparatus access routes.
- 2) In no case shall fire hydrants be closer than twenty-five (25) feet to any building. Public fire hydrants installed to support a fire sprinkler system shall not exceed fifty (50) feet from the fire department connection (FDC) nor be closer than three (3) feet to the FDC.
- 3) All fire hydrants shall have a clear space of three (3) feet to any obstructions (fences, structures, vegetation, street lights, mailboxes, etc).

FIRE HYDRANT SPACING



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**FIRE SAFETY STANDARD
ONSITE FIRE PROTECTION WATER SYSTEMS**

1) RESIDENTIAL AREAS (SINGLE-FAMILY):

- a) Single-family residential developments may increase the spacing between hydrants to be no more than six hundred (600) feet and the hydrant shall not be more than three hundred (300) feet (as measured along vehicular travel-ways) to main driveway on the address side of the proposed single-family structure.
- b) Distance from hydrant to the main driveway on the address side on an approved access road may be increased to six hundred (600) feet with automatic fire sprinklers provided in the buildings to be protected.
- c) In the City of Adelanto single-family residential developments shall space the hydrants no more than three hundred (300) feet apart and the hydrant shall not be more than one hundred and fifty (150) feet (as measured along vehicular travel-ways) to main driveway on the address side of the proposed single-family structure.

2) MULTIPLE RESIDENTIAL, INDUSTRIAL AND COMMERCIAL AREAS:

- a) Public fire hydrants shall be installed on public streets at distances no greater than three hundred (300) feet between each appliance.
- b) Public fire hydrants shall be required on both sides of a public street, if the public right-of-way exceeds eighty (80) feet in width.
- c) Private on-site fire hydrants may be required if any portion of the building(s) to be protected exceeds one hundred fifty (150) feet from the public fire hydrant as measured along approved fire apparatus access routes.

HYDRANT SIZE, INSTALLATION, LOCATION AND TYPE



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ONSITE FIRE PROTECTION WATER SYSTEMS**

- 1) The centerline of the riser shall be normally two (2) feet behind the curb face, except where a five (5) foot sidewalk is adjacent to the curb, in which case the riser shall be at six and one-half (6 1/2) feet behind the curb face. Where the sidewalk adjacent to the curb is greater than five (5) feet; as in commercial areas, the centerline of the riser shall be placed two (2) feet behind the curb face.
- 2) In the absence of a curb, set bottom outlet twenty four (24) inches above the crown of the road and provide steel pipe barricades, four (4) inches in diameter filled with concrete, three (3) feet from the hydrant so as not to obstruct the outlets and valve nuts. Where curbs exist, the centerline of the bottom outlet must be twenty (20) inches above the finished grade.
- 3) No fire hydrant shall be installed closer than five (5) feet from the edge of driveway aprons.
- 4) Fire hydrants on cul-de-sac shall be located between the short portions of 2 driveways and shall not be located at the end of the cul-de-sac. On main line extensions fire hydrants shall not be located at the end of the waterline.
- 5) Wet barrel fire hydrants shall be manufactured to ANSI and AWWA standards. The six (6) inch riser and outlets (two - 2 1/2 inch and one - 4 inch) shall be cast as an integral part of the head. They shall be fastened / locked to the head in such a manner to prevent the unintentional removal of the outlets out of the head.
- 6) Private dry barrel fire hydrants in areas subject to freezing shall meet the same specifications as local public dry barrel fire hydrants maintained by the local water purveyor. In no case shall a dry barrel hydrant be less than 6" x 4" x 2 1/2" x 2 1/2".
- 7) Manufacturer's specifications of fire hydrants shall be submitted to the fire code official upon request.
- 8) All hydrants on private property shall be an approved hydrant with breakaway bolts.
- 9) Public and on site fire hydrants that supply buildings in excess of 100,000 sq.ft. or 2500 GPM shall be required an additional four- (4) inch outlet on the six (6) inch riser (6"x4"X4"x2 1/2") super hydrant, as determined by the fire flow requirements for higher potential water flow. Underground mains shall be a minimum of ten (10) inch with eight (8) inch laterals.
- 10) The exterior of the hydrant head including the riser, excluding the threads, shall be painted with two coats of primer and two coats of yellow paint.



**SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION**

620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400

Standard Number
W-2

**FIRE SAFETY STANDARD
ONSITE FIRE PROTECTION WATER SYSTEMS**

- 1) Multi-Residential and Commercial-Industrial water main size shall be determined by the required fire flow.
- 2) Flow tests shall be made by flowing fire hydrants of all new water distribution systems constructed in accordance with approved water plans. The tests shall be observed by the Fire code official and calculated to establish adequate water is provided prior to final inspection.

HYDRANT MARKERS

- 1) The developer/contractor shall install blue reflective markers in accordance with the following specifications: (need a diagram)
 - a) Markers shall be Ray-O-Lite 2SRPM-DB or equivalent.
 - b) Adhesive shall be Ray-O-Lite 2SRMESS1 or equivalent.
- 2) Location of pavement markers:
 - a) Markers shall be placed eighteen (18) inches from the painted center line (CL) or if no painted CL exists, eighteen (18) inches from the center of the roadway on the side nearest the hydrant.
 - b) On a four- (4) lane street with turn lane at the intersection, the marker shall be eighteen (18) inches from the edge of the turn lane on the side nearest the hydrant.
 - c) Streets with a median having a hydrant on the roadside, shall have markers placed eighteen (18) inches from the edge of the painted line closest to, and on the side nearest the hydrant.
 - d) Hydrants at an intersection shall have markers placed on both streets.
 - e) Hydrants on a median shall have a marker eighteen (18) inches from the median edge on both sides of the median.
 - f) For multi-lane streets with a center turn lane not at an intersection, the marker shall be eighteen (18) inches from the edge of the turn lane on the side nearest the hydrant.

SYSTEM TESTING

- 1) All underground piping shall be hydrostatically tested and flushed prior to connection to any overhead sprinkler piping.
- 2) It is the underground contractor's responsibility to give proper notification of these tests prior to any piping being concealed.

SPECIAL CONCERNS

- 1) Special hazard areas, high-rise buildings and other areas of fire protection not covered in this standard may require special consideration. The contractor is encouraged to contact the Fire Code Official regarding these areas not covered in this standard.



**SAN BERNARDINO COUNTY FIRE DEPARTMENT
COMMUNITY SAFETY DIVISION**

Standard Number
W-2

620 South 'E' Street
San Bernardino, CA 92415-0179
(909) 386-8400

**FIRE SAFETY STANDARD
ONSITE FIRE PROTECTION WATER SYSTEMS**

APPROVED BY:


Mike Horton, Fire Marshal

8-5-15
Date


Mark Hartwig, Fire Chief

8-6-2015
Date

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
OF SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

January 28, 2014

**FROM: MARK A. HARTWIG, Fire Chief/Fire Warden
San Bernardino County Fire Protection District**

**SUBJECT: ADOPTION OF AN ORDINANCE AMENDING SECTION 23.0801 OF THE
COUNTY CODE RELATING TO ROOF COVERING REQUIREMENTS**

RECOMMENDATION(S)

Adopt **Ordinance No. 4225** amending section 23.0801 of the County Code relating to roof covering requirements which was introduced on January 14, 2014, Item No. 62.
(Presenter: Michael A. Horton, Fire Marshal, 386-8410)

BACKGROUND INFORMATION

The ordinance amending section 23.0801 of the County Code relating to roof covering requirements was introduced on January 14, 2014, Item No. 62. The ordinance extends the date of compliance of the ordinance to July 1, 2016 and provides an exemption to structures registered with the California Register of Historical Resources. The recommendation before the Board of Supervisors today will adopt the ordinance on the Consent Calendar.

Page 1 of 1

cc: w/ordinance
SBCFPD-Hartwig
SBCFPD-Horton
County Counsel-Messer
File - SBCFPD/General w/attach
jr 1/31/14

ITEM 58

Record of Action of the Board of Supervisors

**APPROVED (CONSENT CALENDAR)
COUNTY OF SAN BERNARDINO
Board of Supervisors**

MOTION AYE AYE MOVE SECOND AYE
 2 3 4 5

LAURA H. WELCH, CLERK OF THE BOARD

BY _____

DATED: January 28, 2014

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ORDINANCE NO. 4225

AN ORDINANCE OF THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AMENDING SECTION 23.0801 OF THE SAN BERNARDINO COUNTY CODE RELATING TO COMPLIANCE WITH ROOF COVERING REQUIREMENTS.

The Board of Supervisors of the County of San Bernardino, State of California, ordains as follows:

SECTION 1. Section 23.0801 of the San Bernardino County Code is amended, to read:

23.0801 Compliance With Roof Covering Requirement Provisions of the County Development Code and California Building Code.

(a) All construction, enlargement, alteration, repair, moving, conversions and/or change of occupancy that increases the footprint and/or causes a change in the roofline greater than ten percent (10%) of the existing roofline or 200 square feet, whichever is smaller, of buildings and/or structures within the Fire Safety Overlay as defined in Section 82.13.030 of the County Development Code and mapped on the Hazard Overlay Maps of the County General Plan, shall, as to the entire roof structure, be in compliance with the County Development Code, Section 82.13.060(d)(5), which requires that such roof coverings be either noncombustible or shall be fire retardant material not composed of organic fiber with a minimum Class A rating, as defined in the California Building Code. All applicable provisions of the California Building Code and Development Code shall apply prior to issuance of building permits to property owners. When the provisions of the California Building Code, as adopted by the County of San Bernardino, are in conflict with these provisions, the more restrictive in terms of fire resistance and/or fire retardant shall apply.

1 (b) All properties within the San Bernardino County Fire Safety Overlay as
2 defined in section 82.13.030 of the County Development Code shall be in compliance
3 with the County Development Code, Section 82.13.060(d)(5), prior to July 1, 2016. All
4 applicable provisions of the California Building Code and County Development Code
5 shall apply prior to issuance of building permits to property owners. Structures
6 registered in the California Register of Historical Resources or other state or federal
7 government register are exempt from this provision as per Section 18954 and 18955 of
8 the California's State Historical Building Code.

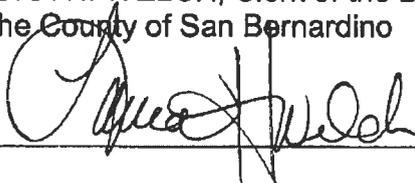
9 Properties failing to meet these standards shall be deemed not in compliance
10 and, as such, property owners are subject to available enforcement actions, including,
11 but not limited to, a misdemeanor.

12
13 SECTION 2. This ordinance shall become effective thirty (30) days from the date
14 of adoption.

15
16 
17 JANICE RUTHERFORD, Chair

18 SIGNED AND CERTIFIED THAT A COPY OF THIS
19 DOCUMENT HAS BEEN DELIVERED TO THE
20 CHAIR OF THE BOARD

21 LAURA H. WELCH, Clerk of the Board of Supervisors
22 of the County of San Bernardino

23 
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28

1 STATE OF CALIFORNIA)
2 COUNTY OF SAN BERNARDINO) ss.

3 I, LAURA H. WELCH, Clerk of the Board of Supervisors of the County of San
4 Bernardino, State of California, hereby certify that at a regular meeting of the Board of
5 Supervisors of said County and State, held on the 28th day of January, 2014, at
6 which meeting were present Supervisors: Lovingood, Rutherford, Ramos, Ovitt, Gonzales

7 and the Clerk, the foregoing ordinance was passed and adopted by the following vote,
8 to wit:

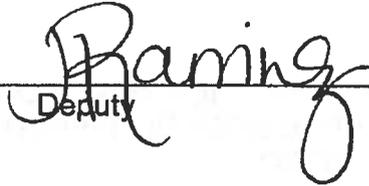
9 AYES: SUPERVISORS: Lovingood, Rutherford, Ramos, Ovitt, Gonzales

10 NOES: SUPERVISORS: None

11 ABSENT: SUPERVISORS: None

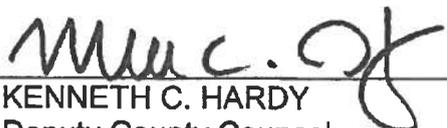
12
13 IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official
14 seal of the Board of Supervisors this 28th of January, 2014.

15 LAURA H. WELCH, Clerk of the Board
16 of Supervisors of the County of San Bernardino,
17 State of California

18 
19 Deputy

20 Approved as to Form:

21 JEAN RENE BASLE
22 County Counsel

23 By: 
24 KENNETH C. HARDY
25 Deputy County Counsel

26 Date: 1/9/14
27

28

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

October 7, 2008

Continued from Tuesday, September 23, 2008, Item 83

**FROM: DENNIS HANSBERGER, Third District Supervisor
Board of Supervisors**

**SUBJECT: 2nd Reading/Final Adoption - ORDINANCE PERTAINING TO THE
ABATEMENT OF FIRE HAZARDS AND HAZARDOUS TREES AND FIRE
ACCESS ROAD OBSTRUCTIONS**

RECOMMENDATION(S)

Adopt **Ordinance No. 4058** amending Sections 23.0301, 23.0304, 23.0307 and 23.0308 of Chapter 3 of Division 3 of Title 2 of the San Bernardino County Code relating to abatement of fire hazards and hazardous trees and fire access road obstructions.

(Presenter: Peter S. Brierty, Assistant Chief/Fire Marshal, 909-936-5533)

BACKGROUND INFORMATION

The proposed ordinance amending relating to abatement of fire hazards and hazardous trees and fire access road obstructions had its first reading on September 23, 2008. The recommendation before the Board of Supervisors today will adopt this ordinance on the consent calendar.

SUPERVISORIAL DISTRICT(S)

All

Page 1 of 1

cc: w/ Ordinance
Co. Fire-Brierty
BOS 3rd-Hansberger
Co. Counsel-Messer
Co. Counsel-Hardy
CAO-Thies
ed File-SDD-Fire Districts-SBCFPD
10/8/08
Ordinance No. 4058
ITEM 107

Record of Action of the Board of Supervisors

APPROVED (CONSENT CALENDAR)
COUNTY OF SAN BERNARDINO
Board of Supervisors

MOTION	<u>AYE</u>	<u>AYE</u>	<u>AND</u>	<u>SECOND</u>	<u>ABSENT</u>	<u>MOVE</u>
	1	2		3	4	5

DENA M. SMITH, CLERK OF THE BOARD

BY _____

DATED: October 07, 2008

1 (b) Provide a fuel break within thirty (30) feet to one hundred (100) feet of
2 a building or structure by disrupting the vertical and/or horizontal continuity of flammable
3 and combustible vegetation with the goal of reducing fire intensity, inhibiting fire in the
4 crowns of trees, reducing the rate of fire spread, and providing a safer environment for
5 firefighters to suppress wildfire and provide structure protection in and around wildland
6 urban interface communities. Additional fire protection or firebreak shall be made by the
7 removal of brush, flammable vegetation, or combustible growth that is located within one
8 hundred (100) feet from the building or structure or to the property line or at a greater
9 distance if provided by law.

10 (c) Property owners who do fuel reduction activities that remove or
11 dispose of vegetation should make every effort to properly reuse and/or recycle the
12 resultant materials either on site or at an appropriate off site facility, without creating
13 additional fire hazards and are required to comply with all federal, state or local
14 environmental protection laws and obtain permits when necessary. Environmental
15 protection laws include, but are not limited to, threatened and endangered species, water
16 quality, air quality, and cultural/archeological resources.

17 SECTION 2. Section 23.0304 of Chapter 3 of Division 3 of Title 2 of the San
18 Bernardino County Code is amended, to read:

19 **23.0304 Mountain Area Fire Hazard Abatement.**

20 (a) "Mountain Area" means that portion of the unincorporated area of the
21 County of San Bernardino located within the Fire Safety Overlay of the General Plan,
22 whether publicly or privately owned, and does include National Forest land.

23 (b) Flammable vegetation which constitutes a fire hazard in the "Mountain
24 Area" means:

25 (1) All foliage and branches within six (6) feet from the ground on
26 trees over twelve (12) feet in height that stand within one hundred (100) feet of structures.
27 Limbs should be cut no less than one quarter (¼) inch from the trunk of the tree to preserve
28 the health of the tree.

(2) All trees that are within thirty (30) feet of structures that are

1 smaller than four (4) inches in diameter that stand within ten (10) feet from other trees, not
2 to include ornamental trees that are pruned and free of dead or damaged foliage.

3 (3) All shrubs that are within fifteen (15) feet of structures that
4 produce high-energy-release components and are considered high fire fuels, not to include
5 low energy release deciduous ornamental plants that are well-pruned, well-spaced and free
6 of dead or damaged foliage. High-energy-release shrubs include, but are not limited to,
7 Manzanita, Service Berry, Mountain Whitethorn, Sage, Ironwood, Juniper Shrubs, Spanish
8 Broom and other species as determined by the County Fire Chief/Fire Warden or their
9 designee to constitute a fire hazard.

10 (4) All high-energy-release shrubs that are spaced together less
11 than double the size of the height of the tallest shrub and stand between fifteen (15) and
12 thirty (30) feet of structures, (eg. a 4 foot high shrub should be spaced 8 feet or more away
13 from the next shrub, providing that the 4 foot high shrub is the tallest of the two shrubs), not
14 to include ornamental plants that are well-pruned, well-spaced and free of dead or
15 damaged foliage. Planting of native, fire-wise, drought-resistant species is encouraged for
16 the health of the forest.

17 (5) Lower foliage measured at least eighteen (18) inches up from
18 the ground and all leaf litter and dead vegetation on and under all shrubs that stand within
19 one hundred (100) feet of all structures.

20 (6) Dead branches and leaf litter in and under all plants, trees,
21 foliage and shrubs and all flammable vegetation at all heights within one hundred (100) feet
22 of all structures.

23 (7) Tree limbs (not trunks) less than ten (10) feet away from chimneys
24 and stovepipes.

25 (8) Grass over four (4) inches in height.

26 (9) Pine needles, leaf litter or chipped/ground mulch on the ground
27 over two (2) inches in depth.

28 (10) Trunks or branches on the ground less than four inches in
diameter, not including split and neatly stacked fire wood.

(c) "Fire Hazard in the Mountain Area" means:

(1) Flammable vegetation within ten (10) feet of a road.

- 1 (2) Combustible rubbish, waste or discarded materials.
2 (3) Leaves, needles or other dead vegetative growth on roofs or
3 structures.

4
5 (d) When neighboring persons or properties are especially vulnerable to
6 the effects of fire, including, but not limited to schools, hospitals, mobilehome parks,
7 residential occupancies, it is the responsibility of the property owner to adhere to the
8 provisions of this section when flammable vegetation stands within one hundred (100) feet,
9 measured on the ground, of all neighboring structures. Additional clearance may be
10 required at the discretion of the County Fire Chief/Fire Warden or their designee on
11 buildings listed above that may be used as evacuation centers, medical facilities and/or
12 places of public gatherings and/or critical infrastructure.

13 SECTION 3. Section 23.0307 of Chapter 3 of Division 3 of Title 2 of the San
14 Bernardino County Code is amended, to read:

15 **23.307 Enforcement.**

16 For the purpose of enforcing this chapter, the County Fire Chief/Fire Warden may
17 designate any person as his/her deputy in the performance of the duties enjoined upon him
18 or her by this chapter. In addition, each of the following officers within the County of San
19 Bernardino is hereby designated to perform the same duties within the territory of the
20 political subdivision which they serve. Whenever the term "County Fire Chief" is used in
21 this chapter, the following officers are included in the meaning of such phrase, except that
22 the County Fire Chief/Fire Warden shall coordinate all such officers in the performance of
23 these duties:

24 (a) The Deputy Director of Code Enforcement, Fire Hazard Abatement
25 Program and their designees.

26 (b) The San Bernardino County Land Use Services Director or designee.

27 (c) Other officers hereafter designated by the Board of Supervisors or the
28 County Fire Chief/Fire Warden.

1 SECTION 4. Section 23.0308 of Chapter 3 of Division 3 of Title 2 of the San
2 Bernardino County Code is amended, to read:

3
4 **23.0308 Notice and Order to Abate.**

5 (a) It shall be the duty of the County Fire Chief/Fire Warden or any
6 designated person, whenever such officer deems it necessary to enforce the provisions of
7 this chapter, to issue a "Notice and Order to Abate" by any or all of the following methods:

8 (1) By mailing a notice to the owner at the address shown on the
9 latest tax roll.

10 (2) By personal service to the owner as shown on the latest tax roll.

11 (3) By posting the property.

12 (b) The form "Notice and Order to Abate Fire" shall include, at a minimum,
13 the following information:

14 (1) List of hazards.

15 (2) List of locations.

16 (3) Due date by which abatement must be completed.

17 (4) Appeal rights.

18 (5) Landowner's name and address (situs and assessor's).

19 (6) Parcel number of affected property.

20
21 (c) The Notice and Order to Abate shall be placed in the mail by the
22 issuing agency at least thirty (30) days prior to the "due date" for abatement on the notice.

23 (d) A ten (10) day extension for compliance is sent when the owner has
24 removed greater than 51% of the fire hazard and notified the agency that the hazard has
25 been abated, but nevertheless the agency determines the fire hazard still exists. A ten (10)
26 day extension for compliance shall be placed in the mail by the issuing agency at least ten
27 (10) calendar days prior to the "due date" for abatement on the notice.

28 (e) Compliance will be considered "In-Progress" and the Non-Compliance
Notice and Order will be held in abeyance if the responsible property owner contracts with

1 State or Federal agencies or non profit organizations, such as Forest Care or Fire Safe
2 Councils, that are approved by the County Fire Chief/Fire Warden as capable of providing
3 compliance through said contract.

4
5 SECTION 5. This ordinance shall take effect thirty (30) days from the date of
6 adoption.

7
8 

9 PAUL BIANE, Chairman
10 Board of Supervisors

11 SIGNED AND CERTIFIED THAT A COPY
12 OF THIS DOCUMENT HAS BEEN DELIVERED
13 TO THE CHAIRMAN OF THE BOARD

14 DENA M. SMITH, Clerk of the
15 Board of Supervisors

16 

17
18 STATE OF CALIFORNIA)
19 COUNTY OF SAN BERNARDINO) ss.

20 I, DENA M. SMITH, Clerk of the Board of Supervisors of the County of San
21 Bernardino, State of California, hereby certify that at a regular meeting of the Board of
22 Supervisors of said County and State, held on the 7th day of October, 2008,
23 at which meeting were present Supervisors: Mitzelfelt, Biane, Hansberger
24 and Gonzales

25 _____, and the
26 Clerk, the foregoing ordinance was passed and adopted by the following vote, to wit:

27 AYES: SUPERVISORS: **Mitzelfelt, Biane, Hansberger, Gonzales**

28 NOES: SUPERVISORS: **None**

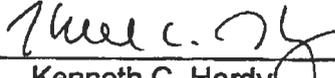
ABSENT: SUPERVISORS: **Ovitt**

1 IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official
2 seal of the Board of Supervisors this 7th day of October, 2008.

3 DENA M. SMITH, Clerk of the
4 Board of Supervisors of the
5 County of San Bernardino,
6 State of California

7 
8 Deputy

9 Approved as to Form:
10 RUTH E. STRINGER,
11 County Counsel

12 By: 
13 Kenneth C. Hardy
14 Deputy County Counsel

15 Date: 9/30/08

Section 2C.20 NARROW BRIDGE Sign (W5-2)

Guidance:

01 A NARROW BRIDGE (W5-2) sign (see Figure 2C-5) should be used in advance of any bridge or culvert having a two-way roadway clearance width of 16 to ~~18~~ 28 feet, or any bridge or culvert having a roadway clearance less than the width of the approach travel lanes.

02 Additional emphases should be provided by the use of object markers, delineators, and/or pavement markings.

Option:

03 A NARROW BRIDGE sign may be used in advance of a bridge or culvert on which the approach shoulders are narrowed or eliminated.

Support:

04 See Figure 3F-104(CA) for narrow bridge sign and marking details.

Option:

05 The TUNNEL (SW37(CA)) sign (see Figure 2C-5(CA)) may be used to warn road user that there is a tunnel ahead.

Section 2C.21 ONE LANE BRIDGE Sign (W5-3)

Guidance:

01 A ONE LANE BRIDGE (W5-3) sign (see Figure 2C-5) should be used on two-way roadways in advance of any bridge or culvert:

A. Having a clear roadway width of less than 16 feet, or

B. Having a clear roadway width of less than 18 feet when commercial vehicles constitute a high proportion of the traffic, or

C. Having a clear roadway width of 18 feet or less where the sight distance is limited on the approach to the structure.

02 Additional emphases should be provided by the use of object markers, delineators, and/or pavement markings.

Section 2C.22 Divided Highway Sign (W6-1)

Guidance:

01 A Divided Highway (W6-1) sign (see Figure 2C-5) should be used on the approaches to a section of highway (not an intersection or junction) where the opposing flows of traffic are separated by a median or other physical barrier.

Standard:

02 The Divided Highway (W6-1) sign shall not be used instead of a Keep Right (R4-7 series) sign on the approach end of a median island.

Support:

03 See Figure 3B-14(CA) for signing and marking applications for lane reductions.

Section 2C.23 Divided Highway Ends Sign (W6-2)

Guidance:

01 A Divided Highway Ends (W6-2) sign (see Figure 2C-5) should be used in advance of the end of a section of physically divided highway (not an intersection or junction) as a warning of two-way traffic ahead.

02 The Two-Way Traffic (W6-3) sign (see Section 2C.44) should be used to give warning and notice of the transition to a two-lane, two-way section.

Support:

03 See Figure 3B-14(CA) for signing and marking applications for lane reductions.

Section 2C.24 Freeway or Expressway Ends Signs (W19 Series)

Option:

01 A FREEWAY ENDS XX MILES (W19-1) sign or a FREEWAY ENDS (W19-3) sign (see Figure 2C-5) may be used in advance of the end of a freeway.

⁰² An EXPRESSWAY ENDS XX MILES (W19-2) sign or an EXPRESSWAY ENDS (W19-4) sign (see Figure 2C-5) may be used in advance of the end of an expressway.

⁰³ The rectangular W19-1 and W19-2 signs may be post-mounted or may be mounted overhead for increased emphasis.

Guidance:

⁰⁴ *If the reason that the freeway is ending is that the next portion of the freeway is not yet constructed and as a result all traffic must use an exit ramp to leave the freeway, an ALL TRAFFIC MUST EXIT (W19-5) sign (see Figure 2C-5) should be used in addition to the Freeway Ends signs in advance of the downstream end of the freeway.*

Section 2C.25 Double Arrow Sign (W12-1)

Option:

⁰¹ The Double Arrow (W12-1) sign (see Figure 2C-5) may be used to advise road users that traffic is permitted to pass on either side of an island, obstruction, or gore in the roadway. Traffic separated by this sign may either rejoin or change directions.

Guidance:

⁰² *If used on an island, the Double Arrow sign should be mounted near the approach end.*

⁰³ *If used in front of a pier or obstruction, the Double Arrow sign should be mounted on the face of, or just in front of, the obstruction. Where stripe markings are used on the obstruction, they should be discontinued to leave a 3-inch space around the outside of the sign.*

Section 2C.26 DEAD END/NO OUTLET Signs (W14-1, W14-1a, W14-2, W14-2a)

Option:

⁰¹ The DEAD END (W14-1) sign (see Figure 2C-5) may be used at the entrance of a single road or street that terminates in a dead end or cul-de-sac. The NO OUTLET (W14-2) sign (see Figure 2C-5) may be used at the entrance to a road or road network from which there is no other exit.

⁰² DEAD END (W14-1a) or NO OUTLET (W14-2a) signs (see Figure 2C-5) may be used in combination with Street Name (D3-1) signs (see Section 2D.43) to warn turning traffic that the cross street ends in the direction indicated by the arrow.

⁰³ At locations where the cross street does not have a name, the W14-1a or W14-2a signs may be used alone in place of a street name sign.

Standard:

⁰⁴ **The DEAD END (W14-1a) and NO OUTLET (W14-2a) signs shall be horizontal rectangles with an arrow pointing to the left or right.**

⁰⁵ **When the W14-1 or W14-2 sign is used, the sign shall be posted as near as practical to the entry point or at a sufficient advance distance to permit the road user to avoid the dead end or no outlet condition by turning at the nearest intersecting street.**

⁰⁶ **The DEAD END (W14-1a) or NO OUTLET (W14-2a) signs shall not be used instead of the W14-1 or W14-2 signs where traffic can proceed straight through the intersection into the dead end street or no outlet area.**

Option:

⁰⁷ The END (W31(CA)) sign (see Figure 2C-5(CA)) may be used where a street or highway ends.

⁰⁸ The ROAD ENDS ----- FT (W31A(CA)) sign (see Figure 2C-5(CA)) may be used in advance of the END (W31(CA)) sign.

Support:

⁰⁹ Install in a head-on position (left side) in combination with an end-of-roadway marker. See Section 2C.66.

¹⁰ See Figure 2C-13 and 2C-13(CA) for examples of object markers and more details.

Section 2C.27 Low Clearance Signs (W12-2 and W12-2a)

Standard:

⁰¹ **The Low Clearance (W12-2) sign (see Figure 2C-5) shall be used to warn road users of clearances less than 12 inches above the statutory maximum vehicle height.**

Guidance:

02 *The actual clearance should be displayed on the Low Clearance sign to the nearest 1 inch not exceeding the actual clearance. However, in areas that experience changes in temperature causing frost action, a reduction, not exceeding 3 inches, should be used for this condition.*

03 *Where the clearance is less than the legal maximum vehicle height, the W12-2 sign with a supplemental distance plaque should be placed at the nearest intersecting road or wide point in the road at which a vehicle can detour or turn around.*

04 *In the case of an arch or other structure under which the clearance varies greatly, two or more signs should be used as necessary on the structure itself to give information as to the clearances over the entire roadway.*

05 *Clearances should be evaluated periodically, particularly when resurfacing operations have occurred.*

Option:

06 *The Low Clearance sign may be installed on or in advance of the structure. If a sign is placed on the structure, it may be a rectangular shape (W12-2a) with the appropriate legend (see Figure 2C-5).*

Standard:

07 *The Low Clearance (W12-2) sign shall be used to warn motorists of low structure clearances.*

08 *For clearance 15 feet 6 inch or less, in addition to the W12-2P, two advance Low Clearance signs shall be installed on the right side of the roadway. The first W12-2 sign shall be placed in advance of the nearest intersecting street or highway or wide point in the road at which a motorist can detour or safely turn around.*

Guidance:

09 *A Distance Ahead (W34A(CA)) plaque should be placed below the W12-2 sign at this location.*

Standard:

10 *The second W12-2 sign shall be placed in advance of the structure.*

Support:

11 *No W34A(CA) plaque is needed at the second location.*

Standard:

12 *The W12-2 sign shall display the same clearance as shown on the W12-2P sign.*

Guidance:

13 *The Distance Ahead (W34A(CA)) plaque when used, should be placed below a W12-2 sign.*

Standard:

14 *The ___ FT ___ IN plaque (W12-2P) shall be used to warn motorists of structural clearance 15 feet 6 inch or less.*

Guidance:

15 *The W12-2P plaque should be centered over the traveled way on the approach side of all underpasses, overheads, viaducts, overcrossings, undercrossings, and grade separations for state highways.*

Standard:

16 *The W12-2P plaque shall not encroach over the shoulder area.*

17 *The W12-2P plaque shall display the minimum vertical clearance to the nearest inch, not exceeding the measured value.*

18 *The CAUTION, VERTICAL CLEARANCE ___' ___" Arrow (W34C(CA)) sign (see Figure 2C-5(CA)) shall be used on all blind approaches to structures with clearances 15 feet 6 inch or less.*

Support:

19 *The W34C(CA) sign is used to warn motorists of low structure clearance around corners.*

Guidance:

20 *The W34C(CA) sign should be placed at a location where the motorist can detour or safely turn around before making the turn.*

Standard:

21 *The W34C(CA) sign shall display the same clearance as shown on the W12-2P sign.*

Section 2C.28 BUMP and DIP Signs (W8-1, W8-2)

Guidance:

01 *BUMP (W8-1) and DIP (W8-2) signs (see Figure 2C-6) should be used to give warning of a sharp rise or depression in the profile of the road.*