

# PROPOSED

## COUNTY COUNCIL OF ANNE ARUNDEL COUNTY, MARYLAND

Legislative Session 2020, Legislative Day No. 25

Bill No. 60-20

Introduced by Ms. Pickard, Chair  
(by request of the County Executive)

By the County Council, July 20, 2020

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Introduced and first read on July 20, 2020  
Public Hearing set for September 8, 2020  
Bill Expires October 23, 2020

By Order: JoAnne Gray, Administrative Officer

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### A BILL ENTITLED

1 AN ORDINANCE concerning: Construction and Property Maintenance Codes – Codes  
2 and Supplements

3  
4 FOR the purpose of adopting and amending certain construction codes; making certain  
5 technical corrections to construction codes; and generally relating to construction and  
6 property maintenance codes.

7  
8 BY repealing and reenacting, with amendments: §§ 15-2-101; 15-2-102; 15-2-103; 15-2-  
9 104; 15-2-202(a); 15-2-301; 15-2-402(a); and 15-2-502(a)  
10 Anne Arundel County Code (2005, as amended)

11  
12 BY adding: § 15-2-205  
13 Anne Arundel County Code (2005, as amended)

14  
15 BY repealing: International Residential Code Amendments, Items (12) and (13); and  
16 International Plumbing Code Amendments, Item (11)  
17 Anne Arundel County Construction and Property Maintenance Codes Supplement,  
18 October 1, 2005 (as amended)

19  
20 BY renumbering: International Building Code Amendments, Items (7), (8), (11) through,  
21 (13), (15), (17), (18), (21), and (22), respectively, to be Items (8), (9), (12) through (14),  
22 (16), (18), (19), (22), and (23), respectively; International Residential Code  
23 Amendments, Items (15), (16), (18), (20) through (22), (25) through (27), and (29)  
24 through (36), respectively, to be Items (13), (14), (16), (18) through (20), (24) through  
25 (26), and (28) through (35), respectively; National Electrical Code Amendments, Items

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EXPLANATION: CAPITALS indicate new matter added to existing law.  
[[Brackets]] indicate matter deleted from existing law.  
Captions and taglines in **bold** in this bill are catchwords and are not law.

(3), (4), (5), and (6), respectively, to be Items (4), (5), (7), and (8), respectively; and International Plumbing Code Amendments, Items (5) through (10), respectively, to be Items (6) through (11), respectively  
Anne Arundel County Construction and Property Maintenance Codes Supplement, October 1, 2005 (as amended)

BY repealing and reenacting, with amendments: Table of Contents; Construction Code, Introduction; Construction Code, Chapter 1, §§ 101.2.1, 101.2.2, 101.4, 101.4.1 through 101.4.7, 105.3.4, 105.5.4, 105.5.5, 106.1.1, 107.3, and 110.4; International Building Code Amendments, Introduction; International Residential Code Amendments, Introduction and Item (4); International Energy Conservation Code Amendments, Introduction; International Existing Building Code Amendments, Introduction; National Electrical Code Amendments, Introduction; Fuel Gas Code Amendments, Introduction; International Mechanical Code Amendments, Introduction; and International Plumbing Code Amendments, Introduction and Items (16), (19), and (20)  
Anne Arundel County Construction and Property Maintenance Codes Supplement, October 1, 2005 (as amended)

BY repealing and reenacting, with amendments, and renumbering: International Building Code Amendments, Items (9), (10), (14), (16), (19), and (20), respectively, to be Items (10), (11), (15), (17), (20), and (21), respectively; and International Residential Code Amendments, Items (14), (17), (19), (23), (24), and (28), respectively, to be Items (12), (15), (17), (22), (23), and (27), respectively  
Anne Arundel County Construction and Property Maintenance Codes Supplement, October 1, 2005 (as amended)

BY adding: Construction Code, Chapter 1, § 101.4.8; International Building Code Amendments, Item (7); International Residential Code Amendments, Item (21); National Electrical Code Amendments, Items (3) and (8); International Plumbing Code Amendments, Item (5); and International Pool and Spa Code Amendments, Introduction and Items (1) and (2)  
Anne Arundel County Construction and Property Maintenance Codes Supplement, October 1, 2005 (as amended)

SECTION 1. *Be it enacted by the County Council of Anne Arundel County, Maryland,* That Section(s) of the Anne Arundel County Code (2005, as amended) read as follows:

**ARTICLE 15. CONSTRUCTION AND PROPERTY MAINTENANCE CODES**

**TITLE 2. CONSTRUCTION CODES**

**15-2-101. International Building Code.**

The “[2015] 2018 International Building Code”, as published by the International Code Council, Inc., is adopted by reference as the Building Code for the County with the additions, insertions, omissions, and changes set forth in the Supplement.

1 **15-2-102. International Residential Code.**

2  
3 The “[2015] 2018 International Residential Code for One- and Two-Family  
4 Dwellings”, as published by the International Code Council, Inc., is adopted by reference  
5 as part of this Building Code for buildings described in section 101.2 of “Chapter 1 -  
6 Construction Code Administrative Provisions” as set forth in the Supplement.

7  
8 **15-2-103. International Energy Conservation Code.**

9  
10 The “[2015] 2018 International Energy Conservation Code”, as published by the  
11 International Code Council, Inc., is adopted by reference as part of this Building Code with  
12 the additions, insertions, omissions, and changes set forth in the Supplement.

13  
14 **15-2-104. International Existing Building Code.**

15  
16 The “[2015] 2018 International Existing Building Code”, as published by the  
17 International Code Council, Inc., is adopted by reference as part of this Building Code with  
18 the additions, insertions, omissions, and changes set forth in the Supplement.

19  
20 **15-2-105. International Swimming Pool and Spa Code.**

21  
22 THE “2018 INTERNATIONAL SWIMMING POOL AND SPA CODE”, AS PUBLISHED BY THE  
23 INTERNATIONAL CODE COUNCIL, INC., IS ADOPTED BY REFERENCE AS PART OF THIS  
24 BUILDING CODE WITH THE ADDITIONS, INSERTIONS, OMISSIONS, AND CHANGES SET  
25 FORTH IN THE SUPPLEMENT.

26  
27 **15-2-202. National Electrical Code.**

28  
29 (a) **Adoption.** The “National Electrical Code (NFPA 70)”, [2014] 2017 Edition, as  
30 published by the National Fire Protection Association, is adopted by reference as the  
31 Electrical Code for the County, with the additions, insertions, omissions, and changes set  
32 forth in the Supplement.

33  
34 **15-2-301. Adoption.**

35  
36 The “[2015] 2018 International Fuel Gas Code”, as published by the International  
37 Code Council, Inc., is adopted by reference as the Fuel Gas Code for the County, with the  
38 additions, insertions, omissions, and changes set forth in the Supplement.

39  
40 **15-2-402. International Mechanical Code.**

41  
42 (a) **Adoption.** The “[2015] 2018 International Mechanical Code”, as published by the  
43 International Code Council, Inc., is adopted by reference for the control of matters  
44 pertaining to the designing, installing, servicing, altering, remodeling, or repairing of  
45 heating systems, cooling systems, or refrigeration systems, as the Mechanical Code for the  
46 County, with the additions, insertions, omissions, and changes set forth in the Supplement.

1 **15-2-502. International Plumbing Code.**

2  
3 (a) **Adoption.** The “[2015] 2018 International Plumbing Code”, as published by the  
4 International Code Council, Inc., is adopted by reference as the Plumbing Code for the  
5 County with the additions, insertions, omissions, and changes set forth in the Supplement.  
6

7 SECTION 2. *And be it further enacted,* That International Residential Code  
8 Amendments, Items (12) and (13), and International Plumbing Code Amendments, Item  
9 (11), Anne Arundel County Construction and Property Maintenance Codes Supplement,  
10 October 1, 2005 (as amended), are hereby repealed.  
11

12 SECTION 3. *And be it further enacted,* That Items (7), (8), (11) through, (13), (15),  
13 (17), (18), (21), and (22), respectively, of the International Building Code Amendments,  
14 Anne Arundel County Construction and Property Maintenance Codes Supplement,  
15 October 1, 2005 (as amended) are hereby renumbered to be Items (8), (9), (12) through  
16 (14), (16), (18), (19), (22), and (23), respectively; Items (14) through (22), and (23) through  
17 (36), respectively, of the International Residential Code Amendments, Anne Arundel  
18 County Construction and Property Maintenance Codes Supplement, October 1, 2005 (as  
19 amended), are hereby renumbered to be Items (12) through (20), and (22) through (35),  
20 respectively; Items (3), (4), (5), and (6), respectively, of the National Electrical Code  
21 Amendments, Anne Arundel County Construction and Property Maintenance Codes  
22 Supplement, October 1, 2005 (as amended), are hereby renumbered to be Items (4), (5),  
23 (7), and (8), respectively; and Items (5) through (10), respectively, of the International  
24 Plumbing Code Amendments, Anne Arundel County Construction and Property  
25 Maintenance Codes Supplement, October 1, 2005 (as amended), to be Items (6) through  
26 (11), respectively.  
27

28 SECTION 4. *And be it further enacted,* That the Anne Arundel County Construction  
29 and Property Maintenance Codes Supplement, October 1, 2005 (as amended) read as  
30 follows:  
31

32 **ANNE ARUNDEL COUNTY**  
33 **CONSTRUCTION AND PROPERTY MAINTENANCE CODES SUPPLEMENT**  
34 **October 1, 2005**

35  
36 **TABLE OF CONTENTS**

37  
38 Construction Code  
39  
40 International Building Code Amendments  
41  
42 International Residential Code Amendments  
43  
44 INTERNATIONAL Energy Conservation Code Amendments  
45  
46 International Existing Building Code Amendments  
47  
48 NATIONAL Electrical Code Amendments

1 INTERNATIONAL Fuel Gas Code Amendments

2

3 INTERNATIONAL Mechanical Code Amendments

4

5 INTERNATIONAL Plumbing Code Amendments

6

7 INTERNATIONAL SWIMMING POOL AND SPA CODE AMENDMENTS

8

9 Fire Prevention Code AMENDMENTS

10

11 National Fire Protection Association 1 Uniform Fire Code/2006

12

13 National Fire Protection Association 101 Life Safety Code/2006

14

15 National Fire Protection Association, Fire Protection Standard for Marinas and Boat  
16 Yards

17

18 Private Sewage Disposal and Well Code AMENDMENTS

19

20 INTERNATIONAL Property Maintenance Code AMENDMENTS

21

22 Reference Table

23

## 24 CONSTRUCTION CODE

25

26 The following “Chapter 1 – Construction Code Administrative Provisions” is intended  
27 to replace Chapter 1 of each of the following adopted codes: the [[2015]] 2018 International  
28 Building Code, the [[2015]] 2018 International Residential Code for One- and Two-Family  
29 Dwellings, the [[2015]] 2018 International Energy Conservation Code, the [[2015]] 2018  
30 International Fuel Gas Code, the [[2015]] 2018 International Mechanical Code, [[and]] the  
31 [[2015]] 2018 International Plumbing Code, AND THE 2018 INTERNATIONAL POOL AND SPA  
32 CODE. This chapter is also intended to replace Article 80 of the National Electrical Code,  
33 [[2014]] 2017 edition.

34

### 35 Chapter 1

36

#### 37 Construction Code Administrative Provisions

38

#### 39 Section 101

40

##### 41 Administration

42

43 **101.2.1 Detached one- and two-family dwellings and multiple single-family**  
44 **dwellings.** Detached one- and two-family dwellings and multiple single-family dwellings  
45 (townhouses) not more than three stories above grade plane in height with a separate means  
46 of egress and their accessory structures shall comply with the [[2015]] 2018 International  
47 Residential Code.

1           **EXCEPTION:** THE FOLLOWING SHALL BE PERMITTED TO BE CONSTRUCTED UNDER  
2 THE 2018 INTERNATIONAL RESIDENTIAL CODE:

3  
4           1. LIVE/WORK UNITS LOCATED IN TOWNHOUSES COMPLYING WITH SECTION  
5 619 OF THE 2018 INTERNATIONAL BUILDING CODE AND SECTION P2904 OF THE  
6 CONSTRUCTION CODE; AND

7  
8           2. EXISTING STRUCTURES BUILT PRIOR TO 2008 (NON-SUPPRESSED) THAT ARE  
9 OWNER-OCCUPIED LODGING HOUSES WITH FIVE (5) OR FEWER GUEST ROOMS OR  
10 RESIDENTIAL BOARD AND CARE FACILITIES PROVIDING SERVICES TO FIVE (5) OR FEWER  
11 RESIDENTS.

12  
13           **101.2.2 Existing Buildings.** Existing buildings undergoing repair, alterations or  
14 additions, and change of occupancy shall be permitted to comply with the [[2015]] 2018  
15 International Existing Building Code.

16  
17           **101.4 Referenced codes.** The other codes listed in sections 101.4.1 through [[101.4.7]]  
18 101.4.8 shall be considered part of the requirements of the [[construction code]]  
19 CONSTRUCTION CODE. Except where enforcement of a code provision would violate the  
20 conditions of the listing of the equipment or appliance, the conditions of the listing and  
21 manufacturer’s instructions shall apply.

22  
23           **101.4.1 Building.** The provisions of the [[2015]] 2018 International Building Code shall  
24 apply to the design and the construction, alteration, movement, enlargement, replacement,  
25 repair, equipment, use and occupancy, location, maintenance, removal, and demolition of  
26 every building or structure or any appurtenances connected or attached to such buildings  
27 or structures. The following appendices are adopted as part of the [[building code]]  
28 BUILDING CODE: Appendix C “Group U-Agricultural Buildings”, Appendix E  
29 “Supplementary Accessibility Requirements”, Appendix F “Rodentproofing”, Appendix G  
30 “Flood-Resistant Construction”, and Appendix I “Patio Covers”.

31  
32           **101.4.2 Electrical.** The provisions of the National Electrical Code, [[2014]] 2017  
33 edition (NFPA 70), shall apply to the installation of electrical systems, including  
34 alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and  
35 appurtenances thereto.

36  
37           **101.4.3 Gas.** The provisions of the [[2015]] 2018 International Fuel Gas Code shall  
38 apply to the installation of gas piping from the point of delivery, gas appliances, and related  
39 accessories as covered in the Construction Code. These requirements apply to gas piping  
40 systems extending from the point of delivery to the inlet connections of appliances and the  
41 installation and operation of residential and commercial gas appliances and related  
42 accessories. The following appendices are adopted as part of the Fuel Gas Code: Appendix  
43 A (IFGS) “Sizing and Capacities of Gas Piping”, Appendix B (IFGS) “Sizing of Venting  
44 Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and  
45 Appliances Listed for Use with Type B Vents”, and Appendix C (IFGS) “Exit Terminals  
46 of Mechanical Draft and Direct-Vent Venting Systems”.

47  
48           **101.4.4 Mechanical.** The provisions of the [[2015]] 2018 International Mechanical  
49 Code shall apply to the installation, alterations, repairs, and replacement of mechanical

1 systems, including equipment, appliances, fixtures, fittings, and/or appurtenances,  
2 including ventilating, heating, cooling, air-conditioning and refrigeration systems,  
3 incinerators, and other energy-related systems. The following appendix is adopted as part  
4 of the Mechanical Code: Appendix A “Combustion Air Openings and Chimney Connector  
5 Pass-Throughs”.

6  
7 **101.4.5 Plumbing.** The provisions of the [[2015]] 2018 International Plumbing Code  
8 shall apply to the installation, alteration, repair and replacement of plumbing systems,  
9 including equipment, appliances, fixtures, fittings and appurtenances, and, where  
10 connected to a water or sewage system, [[and]] all aspects of a medical gas system. The  
11 following appendices are adopted as part of the Plumbing Code: Appendix B “Rates of  
12 Rainfall for Various Cities”, [[Appendix C “Gray Water Recycling Systems”,] Appendix  
13 D “Degree Day and Design Temperatures”, AND Appendix E “Sizing of Water Piping  
14 System” [, and Appendix G “Vacuum Drainage System”]]. The provisions of the Anne  
15 Arundel County Private Sewage Disposal and Well Code shall apply to private sewage  
16 disposal systems.

17  
18 **101.4.6 Energy.** The provisions of the [[2015]] 2018 International Energy Conservation  
19 Code shall apply to all matters governing the design and construction of COMMERCIAL  
20 buildings for energy efficiency.

21  
22 **101.4.7 Residential.** The provisions of the [[2015]] 2018 International Residential Code  
23 for One- and Two-Family Dwellings shall apply to all matters governing the design and  
24 construction of detached one- and two-family dwellings and multiple single-family  
25 dwellings (townhouses) not more than three stories above grade plane in height with a  
26 separate means of egress and their accessory structures. The following appendices are  
27 adopted as part of the Residential Code: Appendix A “Sizing and Capacities of Gas  
28 Piping”, Appendix B “Sizing of Venting Systems Serving Appliances Equipped with Draft  
29 Hoods, Category I “Appliances, and Appliances Listed for Use with Type B Vents”,  
30 Appendix C “Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems”,  
31 Appendix E “Manufactured Housing Used as Dwellings”, Appendix G “Piping Standards  
32 For Various Applications”, Appendix H “Patio Covers”, APPENDIX J “EXISTING BUILDINGS  
33 AND STRUCTURES”, Appendix K “Sound Transmission”, Appendix N “Venting Methods”,  
34 APPENDIX O “AUTOMATIC VEHICULAR GATES”, [[and]] Appendix P “Sizing Of Water  
35 Piping System”, APPENDIX Q “TINY HOUSES”, APPENDIX R “LIGHT STRAW-CLAY  
36 CONSTRUCTION”, AND APPENDIX S “STRAWBALE CONSTRUCTION”.

37  
38 **101.4.8 Swimming pool and Spa.** THE PROVISIONS OF THE 2018 INTERNATIONAL  
39 SWIMMING POOL AND SPA CODE SHALL APPLY TO THE CONSTRUCTION, ALTERATION,  
40 MOVEMENT, RENOVATION, REPLACEMENT, REPAIR, AND MAINTENANCE OF AQUATIC  
41 RECREATION FACILITIES, POOLS, AND SPAS. THE SWIMMING POOLS AND SPAS COVERED  
42 BY THIS CODE ARE EITHER PERMANENT OR TEMPORARY, AND SHALL BE ONLY THOSE  
43 THAT ARE DESIGNED AND MANUFACTURED TO BE CONNECTED TO A CIRCULATION  
44 SYSTEM AND THAT ARE INTENDED FOR SWIMMING, BATHING, OR WADING.

## 45 46 **Section 105**

### 47 48 **Permits**

1       **105.3.4 Time limitation of application.** An application for a permit for any proposed  
2 work shall be deemed to have been abandoned and may be cancelled by the Department of  
3 Inspections and Permits ~~[[180 days]]~~ ONE YEAR after the date of filing, unless such  
4 application has been pursued in good faith or a permit has been issued, except that the Code  
5 Official is authorized to grant one or more extensions of time for additional periods not  
6 exceeding 90 days each. The extension shall be requested in writing and good cause shown.

7  
8       **105.5.4 Permit extension.** Upon written request filed with the Department prior to  
9 permit expiration, and if the Department finds that a hardship exists, the times set forth in  
10 section 105.5 may be extended for up to one additional year from the date of expiration. A  
11 permit that is extended is subject to a \$25.00 fee. ~~[[A permit may not be extended more  
12 than once.]]~~ A renewed permit may not be extended.

13  
14       **105.5.5 Permit renewal.** Upon written request filed with the Department no later than  
15 six months after permit expiration, and if the Department finds that a hardship exists, an  
16 expired permit may be renewed for up to one additional year from the date of expiration.  
17 A permit that is renewed is subject to a \$25.00 fee. ~~[[An expired permit may not be renewed  
18 more than once. An expired permit that was previously extended may not be renewed.]]~~ A  
19 PERMIT THAT HAS BEEN EXTENDED MUST COMPLY WITH THE CONSTRUCTION CODES  
20 ADOPTED IN ARTICLE 15 OF THE COUNTY CODE AT THE TIME OF THE EXTENSION.

## 21 22 **Section 106**

### 23 24 **Construction Documents**

25  
26       **106.1.1 Information on construction documents.** Construction documents shall be  
27 dimensioned and drawn upon suitable material. Electronic media documents are permitted  
28 to be submitted ~~[[when approved by the Code Official]].~~ Construction documents shall be  
29 of sufficient clarity to indicate the location, nature, and extent of the work proposed and  
30 show in detail that it will conform to the provisions of the Construction Code and relevant  
31 laws, ordinances, rules, and regulations, as determined by the Code Official.

## 32 33 **Section 107**

### 34 35 **Temporary Structures and Uses**

36  
37       **107.3 Temporary power.** The Code Official is authorized to give permission to  
38 temporarily supply and use power as part of an electric installation before such installation  
39 has been fully completed and the final certificate of completion has been issued. The part  
40 covered by the temporary certificate shall comply with the requirements specified for  
41 temporary lighting, heat, or power in the National Electrical Code, ~~[[2014]]~~ 2017 edition.

## 42 43 **Section 110**

### 44 45 **Certificate of Occupancy**

46  
47       **110.4 Revocation.** The Code Official is authorized to suspend or revoke, in writing, a  
48 PERMIT, certificate of occupancy, or ~~[[completion]]~~ FINAL INSPECTION APPROVAL issued  
49 under the provisions of the Construction Code when the PERMIT, certificate OR APPROVAL



1 is issued in error or on the basis of incorrect information supplied, or where it is determined  
2 that the building or structure or portion thereof is in violation of any ordinance or regulation  
3 or any of the provisions of the Construction Code.

## 4 5 INTERNATIONAL BUILDING CODE AMENDMENTS

6  
7 The provisions of the [[2015]] 2018 International Building Code are amended, deleted,  
8 or corrected as follows and the following provisions shall supersede the part of the text of  
9 the [[2015]] 2018 International Building Code as indicated:

10  
11 (7) STRIKE SECTION 310.4.1, IN ITS ENTIRETY, AND SUBSTITUTE:

12  
13 **“310.4.1 Residential care facilities within a dwelling.** RESIDENTIAL BOARD AND  
14 CARE FACILITIES PROVIDING SERVICES TO FIVE (5) OR FEWER RESIDENTS IN AN EXISTING  
15 SINGLE FAMILY DWELLING STRUCTURE BUILT PRIOR TO 2008 ARE PERMITTED TO COMPLY  
16 WITH THE INTERNATIONAL RESIDENTIAL CODE. RESIDENTIAL BOARD AND CARE  
17 FACILITIES PROVIDING SERVICES TO MORE THAN FIVE (5) RESIDENTS IN AN EXISTING  
18 SINGLE FAMILY DWELLING STRUCTURE BUILT IN OR AFTER 2008 SHALL PROVIDE AN  
19 AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.3 OR  
20 SECTION P2904 OF THE INTERNATIONAL RESIDENTIAL CODE.

21  
22 [[(9)]] (10) In section [[1612.5.1.1.1]] 1612.4.1.1.1, strike “110.3.3” and substitute  
23 “109.4.3”, and strike “110.3.10.1” and substitute “109.12”, and, after the period, insert:

24  
25 “All buildings and structures erected within a flood hazard area other than Coastal  
26 High Hazard Areas and Coastal A zones shall be elevated so that the lowest floor is located  
27 a minimum of one foot above the design flood elevation. All basement floor surfaces shall  
28 be located a minimum of one foot above the design flood elevation.”

29  
30 [[(10)]] (11) In section [[1612.5.2.2.1]] 1612.4.2.1, strike “110.3.3” and substitute  
31 “109.3.3”, and strike “110.3.10.1” and substitute “109.12”, and, after the period, insert:

32  
33 “All buildings and structures erected within Coastal High Hazard Areas and Coastal  
34 A zones shall be elevated so that the lowest structural member is located a minimum of  
35 one foot above the design flood elevation. All basement floor surfaces shall be located a  
36 minimum of one foot above the design flood elevation.”

37  
38 [[(14)]] (15) After section 1805.4.3, insert:

39  
40 **“1805.4.4 Areaway drains.** All open subsurface space adjacent to a building  
41 serving as an exit or entrance shall be provided with a drain or drains. All areaway drains  
42 shall be solid PVC or equivalent and shall discharge directly to a sump crock, daylight, or  
43 other approved means. No areaway drain may discharge into a subsoil drain. Drains serving  
44 areaways not exceeding 100 square feet shall have a minimum 2-inch diameter pipe.  
45 Areaway drains exceeding 100 square feet but not exceeding 1,000 square feet shall [[be  
46 provided with]] HAVE a minimum 3-inch diameter pipe. Areaway drains exceeding 1,000  
47 square feet shall be sized in accordance with the [[2015]] 2018 International Plumbing  
48 Code.[""]

1           **1805.4.5 Window well drains.** Window well areaways shall have drains. Window  
2 well areaways 10 square feet or less may discharge to the subsoil drain through a 2-inch  
3 minimum diameter pipe. Drains for window well areaways greater than 10 square feet shall  
4 be installed in accordance with section 1805.4.4.

5  
6           **1805.4.6 Foundation weep holes.** Where subsoil drains are required by section  
7 1805.4.2, foundations of hollow core masonry shall have foundation weep holes. Weep  
8 holes shall be placed a maximum of 4 foot O/C intervals and shall discharge into the  
9 aggregate of interior subsoil drainage system.

10  
11           **1805.4.7 Site grading.** The ground immediately adjacent to the foundation shall be  
12 sloped away from the building at a slope of not less than one unit vertical in 12 units  
13 horizontal (1:12) for a minimum distance of 5 feet (914 mm) measured perpendicular to  
14 the face of the wall or an approved alternate method of diverting water away from the  
15 foundation shall be used. Consideration shall be given to the possible additional settlement  
16 of the backfill when establishing the final ground level adjacent to the foundation.[""]

17  
18           **1805.4.8 Roof drainage.** THE ROOF DRAINAGE SYSTEM SHALL DISCHARGE WITHIN  
19 FOUR (4) INCHES OF A SPLASH BLOCK. THE DISCHARGE MAY BE TO A PROPERLY GRADED  
20 OPEN AREA PROVIDED THAT THE POINT OF DISCHARGE IS AT LEAST FIVE (5) FEET FROM  
21 ANY PROPERTY LINE OR, AS REQUIRED BY AN APPROVED GRADING AND STORMWATER  
22 MANAGEMENT PLAN, TO A SWALE OR DEVICE.”

23  
24           ["(16)"] (17) After section 1809.8, insert:

25  
26           **“1809.8.1 Electrode.** In all buildings a concrete-encased electrode shall be  
27 provided prior to placement of concrete in accordance with section 250.52(a)(3) of the  
28 National Electrical Code, ["2014"] 2017 edition.”

29  
30           ["(19)"] (20) After section ["3109.5"] 3109.1, insert:

31  
32           **“["3109.6"] 3109.2 Public pool entrapment avoidance.** A public or semi-public  
33 swimming pool or spa shall conform to entrapment requirements as set forth in COMAR  
34 10.17.01.28.”

35  
36           ["(20)"] (21) After section ["3111"] 3113.4, insert:

37  
38           **“Section ["3112"] 3114**

39  
40           **Driveways**

41  
42           **["3112.1"] 3114.1 Driveway aprons.** Driveway aprons shall extend from street or  
43 alley pavements to the property line, and shall be constructed in accordance with the  
44 provisions of the standard specifications and details issued by the Department of Public  
45 Works.

46  
47           **["3112.2"] 3114.2 Location and specifications.** Driveways shall extend from the lot  
48 line to the garage, carport, or parking space, and shall measure at least 9 feet in width. The  
49 maximum gradient change at vertical transitions shall be 20%. Vertical transitions shall be

1 designed to prevent the undercarriage or bumper of a standard size car from contacting the  
 2 driveway surface. Alignment shall be safe and convenient to back a car out, or an adequate  
 3 turnaround shall be provided. No portion of the driveway shall exceed 14% gradient from  
 4 the horizontal.

5  
 6 **[[3112.3]] 3114.3 Materials.** Driveways shall be constructed of concrete, blacktop,  
 7 or other approved material to prevent spalling, erosion, and cracking.

8  
 9 **[[3112.4]] 3114.4 Parking pads.** Two off-street parking pads shall be provided for  
 10 each detached single-family home as defined by section 101.2.1 of the Construction Code.  
 11 The minimum size per parking space is 9 feet in width and 18 feet in length.

12  
 13 **[[3112.5]] 3114.5 Exception.** The aforementioned standards do not apply to lots one  
 14 acre or larger.”

## 15 16 INTERNATIONAL RESIDENTIAL CODE AMENDMENTS

17  
 18 The provisions of the [[2015]] 2018 International Residential Code for One- and Two-  
 19 Family Dwellings are amended, deleted, or corrected as follows and the following  
 20 provisions shall supersede the part of the text of the [[2015]] 2018 International Residential  
 21 Code for One- and Two-Family Dwellings as indicated:

22  
 23 (4) In Table R301.2 (1): Under “Ground snow load”, insert “25”; under “Speed (mph)”,  
 24 insert “115”; under “Topographic effects”, insert “no”; under “Special wind region”, insert  
 25 “no”; under “Wind-borne debris zone”, insert “no”; under “Seismic design category”,  
 26 insert “A”; under “Weathering”, insert “Severe”; under “Frost line depth”, insert “30  
 27 inches”; under “Termite”, insert “Moderate - heavy”; after the column headed “Subject to  
 28 damage from” add a new column with the heading “Decay” and under that heading insert  
 29 “Slight - moderate”; under “Winter design temp”, insert “17 degrees”; under “Ice barrier  
 30 underlayment required”, insert “Yes”; under “Flood hazards”, insert “May 2, 1983”; under  
 31 “Air freezing index”, insert “>1500”; [[and]] under “Mean annual temp”, insert “55  
 32 degrees”; UNDER “COINCIDENT WET BULB”, INSERT “74%”; UNDER “WINTER HUMIDITY”,  
 33 INSERT “30%”; AND UNDER “SUMMER HUMIDITY”, INSERT “50%”. FOR MANUAL J DESIGN  
 34 CRITERIA, UNDER “LATITUDE”, INSERT “39.20”; UNDER “WINTER HEATING”, INSERT “17”;  
 35 UNDER “SUMMER COOLING”, INSERT 89; UNDER “ALTITUDE CORRECT FACTOR”, INSERT  
 36 “NONE”; UNDER “DESIGN TEMPERATURE”, INSERT “70F”; UNDER “DESIGN TEMPERATURE  
 37 COOLING”, INSERT “75F”; UNDER “HEATING TEMPERATURE DIFFERENCE”, INSERT “55F”;  
 38 AND UNDER “WIND VELOCITY COOLING” AND “WIND VELOCITY HEATING”, IN BOTH  
 39 INSTANCES, INSERT 7.5F.

40  
 41 **[[ (14) ]]** (12) After section **[[R326]] R327**, insert:

### 42 43 **“Section **[[R327]] R328****

#### 44 45 **Driveway Aprons and Driveways and Fences**

46  
 47 **[[R327.1]] R328.1 Driveway aprons.** Driveway aprons shall extend from street or  
 48 alley pavements to the lot line and shall be constructed in accordance with the provisions  
 49 of the standard specifications and details issued by the Department of Public Works.

1           **[[R327.2]] R328.2 Driveways.** Driveways shall extend from the lot line to the  
2 garage, carport, or parking space, and shall measure at least 9 feet in width. The maximum  
3 gradient change at vertical transitions shall be 20%. Vertical transitions shall be designed  
4 to prevent the undercarriage or bumper of a standard size car from contacting the driveway  
5 surface. Alignment shall be safe and convenient to back a car out, or an adequate  
6 turnaround shall be provided. No portion of the driveway shall exceed 14% gradient from  
7 the horizontal.

8  
9           **[[R327.3]] R328.3 Driveway construction.** Driveways shall be constructed of  
10 concrete, blacktop, or other approved material to prevent spalling, erosion, and cracking.

11  
12           **[[R327.4]] R328.4 Parking pads.** Two off-street parking pads shall be provided for  
13 each detached single-family home as defined by section 101.2.1 of the Construction Code.  
14 The minimum size per parking space is 9 feet in width and 18 feet in length.

15  
16           **[[R327.5]] R328.5 Exception.** The provisions of this section do not apply to lots one  
17 acre or larger.

18  
19           **[[R327.6]] R328.6 Fences.** All fences located on corner lots shall maintain a 25-  
20 foot setback from the apex of the intersecting streets.”

21  
22           **[[ (17) ]]** (15) In section R403.1, after “ACI332.”, insert “In all buildings a concrete-  
23 encased electrode shall be provided prior to the placement of concrete in accordance with  
24 section 250.52(a)(3) of the National Electrical Code, **[[2014]]** 2017 edition.

25  
26           **[[ (19) ]]** (17) After section R405.1, insert:

27  
28           **“R405.1.1 Subsoil drainage systems.** Subsoil drains shall be required for all  
29 buildings having basements, cellars, crawl spaces, or floors below grade. Subsoil drains  
30 shall be located inside and outside of the foundation and shall be installed at or below the  
31 area to be protected. Drains shall discharge by gravity or mechanical means into an  
32 approved drainage system in accordance with section R405.1.2. Drains shall be perforated  
33 or open joint approved drain tile not less than 3 inches in diameter and be placed in gravel,  
34 slag, or crushed rock or other approved material at least one sieve size larger than the tile  
35 joint opening or perforations with a minimum of 4 inches surrounding the drain tile or pipe  
36 on all sides. Exterior drains shall have an approved filter material placed on top of the  
37 required gravel stone or crushed rock.

38  
39           **R405.1.2 Sump pumps and pits.** Where subsoil drains do not discharge by gravity,  
40 the drains shall discharge to an accessible sump pit with an automatic electric pump. The  
41 sump pit shall be a minimum of 18 inches in diameter and 24 inches in depth, and be  
42 provided with a fitted cover. The sump pump shall have adequate capacity to discharge all  
43 water coming into the sump as it accumulates but in no case shall the capacity of the pump  
44 be less than 15 gallons per minute. The discharge from the pump shall be a minimum of 1  
45 1/4 inches and shall have a union in the discharge piping to make the pump accessible for  
46 servicing. When not serving a continuous flowing spring or ground water the sump pump  
47 may discharge onto a splash block not less than 24 inches in length. The discharge pipe

1 shall be located within 4 inches of the splash block and positioned to divert the flow parallel  
2 to the splash block. Subsoil drains and sump pump discharge may discharge to a properly  
3 graded open area provided the point of discharge is 5 feet from any property line. Where a  
4 continuous flowing spring or groundwater is encountered, subsoil and sump pump  
5 discharge lines must be piped to a storm drain or approved water course. When piped to a  
6 storm drain all drainage lines shall be provided with an accessible backwater valve.

7  
8 **R405.1.3 Areaway drains.** All open subsurface space adjacent to a building  
9 serving as an exit or entrance shall be provided with a drain or drains. All areaway drains  
10 shall be solid PVC or equivalent and shall discharge directly to a sump crock, daylight, or  
11 other approved means. No areaway drain may discharge into a subsoil drain. Drains  
12 serving areaways not exceeding 100 square feet shall have a minimum 2-inch diameter  
13 pipe. Areaway drains exceeding 100 square feet but not exceeding 1,000 square feet shall  
14 be provided with a minimum 3-inch diameter pipe. Areaway drains exceeding 1,000  
15 square feet shall be sized in accordance with the ~~[[2015]]~~ 2018 International Plumbing  
16 Code.

17  
18 **R405.1.4 Window well drains.** Window well areaways shall have drains. Window  
19 well areaways 10 square feet or less may discharge to the subsoil drain through a 2-inch  
20 minimum diameter pipe. Drains for window well areaways greater than 10 square feet shall  
21 be installed in accordance with section ~~[[R405.1.2]]~~ R405.1.3.

22  
23 **R405.1.5 Foundation weep holes.** Where subsoil drains are required by section  
24 R405.1.1, foundations of hollow core masonry shall have foundation weep holes. Weep  
25 holes shall be placed a maximum of 4 foot O/C intervals and shall discharge into the  
26 aggregate of the interior subsoil drainage system.”

27  
28 (21) IN SECTION R801.3, STRIKE “IN AREAS WHERE EXPANSIVE SOILS OR COLLAPSIBLE  
29 SOILS ARE KNOWN TO EXIST;”; AND, AFTER THE LAST SENTENCE, INSERT “THE ROOF  
30 DRAINAGE SYSTEM SHALL DISCHARGE WITHIN FOUR (4) INCHES OF A SPLASH BLOCK. THE  
31 DISCHARGE MAY BE TO A PROPERLY GRADED OPEN AREA PROVIDED THAT THE POINT OF  
32 DISCHARGE IS AT LEAST FIVE (5) FEET FROM ANY PROPERTY LINE OR, AS REQUIRED BY AN  
33 APPROVED GRADING AND STORMWATER MANAGEMENT PLAN, TO A SWALE OR DEVICE.”.

34  
35 ~~[[ (23) ]]~~ (22) In section ~~[[M1305.1.3]]~~ M1305.1.2, in the last sentence, after “appliance.”,  
36 insert:

37  
38 “Access to the attic opening shall be provided by a permanent or pull down  
39 stairway in all new construction.”

40  
41 ~~[[ (24) ]]~~ (23) In section M1307.5, strike “Chapters 14, 15, 19, 20, and 34 through 43 of  
42 this Code” and substitute “the National Electrical Code, ~~[[2014]]~~ 2017 edition”.

43  
44 ~~[[ (28) ]]~~ (27) After section ~~[[P2604.2.4]]~~ P2604.4, insert:

45  
46 ~~[[P2604.3]]~~ **P2604.5 Tracer wire.** Nonmetallic sanitary sewer and nonmetallic  
47 water supply piping that connects to public systems shall be locatable. An insulated copper  
48 tracer wire, 10 AWG minimum in size and suitable for direct burial or an equivalent  
49 product shall be utilized. The wire shall be installed in the same trench as the sewer or

1 water supply piping within 12 inches (305 mm) of the piping and shall be installed from  
2 within five feet of the building wall to the point where the building sewer or water supply  
3 system connects with the public system. At a minimum, one end of the wire shall terminate  
4 above grade in an accessible location that is resistant to physical damage, such as with a  
5 cleanout or at the building wall.”

6  
7 **INTERNATIONAL ENERGY CONSERVATION CODE AMENDMENTS**

8  
9 The provisions of the [[2015]] 2018 International Energy Conservation Code are  
10 amended, deleted, or corrected as follows and the following provisions shall supersede the  
11 part of the text of the [[2015]] 2018 International Energy Conservation Code as indicated:

12  
13 **INTERNATIONAL EXISTING BUILDING CODE AMENDMENTS**

14  
15 The provisions of the international existing building code, [[2015]] 2018 edition, are  
16 amended, deleted, or corrected as follows, and the following provisions shall supersede the  
17 part of the text of the international existing building code, [[2015]] 2018 edition, as  
18 indicated:

19  
20 **NATIONAL ELECTRICAL CODE AMENDMENTS**

21  
22 The provisions of the National Electrical Code, [[2014]] 2017 edition, are amended,  
23 deleted, or corrected as follows and the following provisions shall supersede the part of the  
24 text of the National Electrical Code, [[2014]] 2017 edition, as indicated:

25  
26 (3) IN SECTION 210.52G, AFTER “(3)”, INSERT:

27  
28 “A 120 VOLT, 15 OR 20 AMP RECEPTACLE SUPPLYING A PERMANENTLY INSTALLED  
29 SUMP PUMP IN AN UNFINISHED AREA SHALL NOT REQUIRE GFCI PROTECTION PROVIDED  
30 THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:

31  
32 1. THE SUMP PUMP DOES NOT REQUIRE GFCI PROTECTION PER  
33 MANUFACTURERS’ INSTRUCTION OR LISTING;

34  
35 2. A SINGLE RECEPTACLE ON A DEDICATED BRANCH CIRCUIT SHALL IS  
36 INSTALLED INSIDE AN ADEQUATELY SIZED NON-METALLIC ENCLOSURE THAT HAS A  
37 COVER SECURED BY SCREWS OR BOLTS; AND

38  
39 3. OPENINGS ARE INSTALLED ON THE BOTTOM OF THE ENCLOSURE AND ARE  
40 NO LARGER THAN REQUIRED FOR FLEXIBLE CORD TO ENTER THE ENCLOSURE.”

41  
42 (6) AFTER SECTION 408.38, INSERT:

43  
44 “408.48.1 IN ADDITION, THE HIGHEST AVAILABLE BREAKER SPACE IN THE  
45 PANELBOARD SHALL COMPLY WITH SECTION 240.24(A).”

46  
47 **INTERNATIONAL FUEL GAS CODE AMENDMENTS**

48  
49 The provisions of the [[2015]] 2018 International Fuel Gas Code are amended, deleted,  
50 or corrected as follows and the following provisions shall supersede the part of the text of  
51 the [[2015]] 2018 International Fuel Gas Code as indicated:

1                                   **INTERNATIONAL MECHANICAL CODE AMENDMENTS**

2  
3           The provisions of the [[2015]] 2018 International Mechanical Code are amended,  
4 deleted, or corrected as follows and the following provisions shall supersede the part of the  
5 text of the [[2015]] 2018 International Mechanical Code as indicated:

6  
7                                   **INTERNATIONAL PLUMBING CODE AMENDMENTS**

8  
9           The provisions of the [[2015]] 2018 International Plumbing Code are amended, deleted,  
10 or corrected as follows and the following provisions shall supersede the part of the text of  
11 the [[2015]] 2018 International Plumbing Code as indicated:

12  
13           (5) AFTER SECTION 303.1, INSERT:

14  
15                   **“303.2 Piping system identification.** IN COMMERCIAL BUILDINGS OR STRUCTURES  
16 WITH MULTIPLE PIPING SYSTEMS, ALL WASTEWATER, STORMWATER, AND GREASE LINES  
17 SHALL BE IDENTIFIED USING STENCILING OR COMMERCIALY AVAILABLE PIPE LABELS.  
18 THE LABELS SHALL INDICATE THE PIPE CONTENTS AND THE DIRECTION OF FLOW. THE  
19 INTERVAL OF IDENTIFICATION MARKINGS SHALL NOT EXCEED 25 FEET.”

20  
21           (16) Strike section [[608.17]] 608.18 [[and Table 608.17.1]] in [[their]] ITS entirety.

22  
23           (19) In section [[903.11]] 903.1 insert “6” in the space indicated and strike “(mm)”.

24  
25           (20) After section [[1003.3.5]] 1003.3.8, insert:

26  
27                   **“[[1003.3.6]] 1003.3.9 Location.** All grease interceptors shall be located outside the  
28 building served and shall be accessible for servicing.”

29  
30                                   **INTERNATIONAL POOL AND SPA CODE AMENDMENTS**

31  
32           THE PROVISIONS OF THE 2018 INTERNATIONAL POOL AND SPA CODE ARE AMENDED,  
33 DELETED, OR CORRECTED AS FOLLOWS AND THE FOLLOWING PROVISIONS SHALL  
34 SUPERSEDE THE PART OF THE TEXT OF THE 2018 INTERNATIONAL POOL AND SPA CODE AS  
35 INDICATED:

36  
37           (1) STRIKE CHAPTER 1, IN ITS ENTIRETY, AND SUBSTITUTE “CHAPTER 1 –  
38 CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS”.

39  
40           (2) IN SECTION 202, IN THE DEFINITION OF “CODE OFFICIAL”, STRIKE “THE OFFICER OR  
41 OTHER DESIGNATED AUTHORITY CHARGED WITH THE ADMINISTRATION AND  
42 ENFORCEMENT OF THIS CODE, OR A DULY AUTHORIZED REPRESENTATIVE”, AND  
43 SUBSTITUTE “THE DIRECTOR OF INSPECTIONS AND PERMITS, OR DULY AUTHORIZED  
44 REPRESENTATIVE, CHARGED WITH THE ADMINISTRATION AND ENFORCEMENT OF THIS  
45 CODE”.

46  
47           SECTION 5. *And be it further enacted,* That this Ordinance shall take effect 45 days  
48 from the date it becomes law.