

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

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

By Order: JoAnne Gray, Administrative Officer

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

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.
Underlining indicates amendments to bill.
~~Strikeover~~ indicates matter stricken from bill by amendment.

1 Amendments, Items (15), (16), (18), (20) through (22), (25) through (27), and (29)
2 through (36), respectively, to be Items (13), (14), (16), (18) through (20), (24) through
3 (26), and (28) through (35), respectively; National Electrical Code Amendments, Items
4 (3), (4), (5), and (6), respectively, to be Items (4), (5), (7), and (8), respectively; and
5 International Plumbing Code Amendments, Items (5) through (10), respectively, to be
6 Items (6) through (11), respectively
7 Anne Arundel County Construction and Property Maintenance Codes Supplement,
8 October 1, 2005 (as amended)

9

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

22

23 BY repealing and reenacting, with amendments, and renumbering: International Building
24 Code Amendments, Items (9), (10), (14), (16), (19), and (20), respectively, to be Items
25 (10), (11), (15), (17), (20), and (21), respectively; and International Residential Code
26 Amendments, Items (14), (17), (19), (23), (24), and (28), respectively, to be Items (12),
27 (15), (17), (22), (23), and (27), respectively
28 Anne Arundel County Construction and Property Maintenance Codes Supplement,
29 October 1, 2005 (as amended)

30

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

38

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

41

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

43

44 **TITLE 2. CONSTRUCTION CODES**

45

46 **15-2-101. International Building Code.**

1 The “[2015] 2018 International Building Code”, as published by the International
2 Code Council, Inc., is adopted by reference as the Building Code for the County with the
3 additions, insertions, omissions, and changes set forth in the Supplement.
4

5 **15-2-102. International Residential Code.**
6

7 The “[2015] 2018 International Residential Code for One- and Two-Family
8 Dwellings”, as published by the International Code Council, Inc., is adopted by reference
9 as part of this Building Code for buildings described in section 101.2 of “Chapter 1 -
10 Construction Code Administrative Provisions” as set forth in the Supplement.
11

12 **15-2-103. International Energy Conservation Code.**
13

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

18 **15-2-104. International Existing Building Code.**
19

20 The “[2015] 2018 International Existing Building Code”, as published by the
21 International Code Council, Inc., is adopted by reference as part of this Building Code with
22 the additions, insertions, omissions, and changes set forth in the Supplement.
23

24 **15-2-105. International Swimming Pool and Spa Code.**
25

26 THE “2018 INTERNATIONAL SWIMMING POOL AND SPA CODE”, AS PUBLISHED BY THE
27 INTERNATIONAL CODE COUNCIL, INC., IS ADOPTED BY REFERENCE AS PART OF THIS
28 BUILDING CODE WITH THE ADDITIONS, INSERTIONS, OMISSIONS, AND CHANGES SET
29 FORTH IN THE SUPPLEMENT.
30

31 **15-2-202. National Electrical Code.**
32

33 (a) **Adoption.** The “National Electrical Code (NFPA 70)”, [2014] 2017 Edition, as
34 published by the National Fire Protection Association, is adopted by reference as the
35 Electrical Code for the County, with the additions, insertions, omissions, and changes set
36 forth in the Supplement.
37

38 **15-2-301. Adoption.**
39

40 The “[2015] 2018 International Fuel Gas Code”, as published by the International
41 Code Council, Inc., is adopted by reference as the Fuel Gas Code for the County, with the
42 additions, insertions, omissions, and changes set forth in the Supplement.
43

44 **15-2-402. International Mechanical Code.**
45

46 (a) **Adoption.** The “[2015] 2018 International Mechanical Code”, as published by the
47 International Code Council, Inc., is adopted by reference for the control of matters
48 pertaining to the designing, installing, servicing, altering, remodeling, or repairing of
49 heating systems, cooling systems, or refrigeration systems, as the Mechanical Code for the
50 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
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2

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4

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6

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9 Fire Prevention Code AMENDMENTS

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17

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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
50 systems, including equipment, appliances, fixtures, fittings, and/or appurtenances,
51 including ventilating, heating, cooling, air-conditioning and refrigeration systems,

1 incinerators, and other energy-related systems. The following appendix is adopted as part
2 of the Mechanical Code: Appendix A “Combustion Air Openings and Chimney Connector
3 Pass-Throughs”.

4
5 **101.4.5 Plumbing.** The provisions of the [[2015]] 2018 International Plumbing Code
6 shall apply to the installation, alteration, repair and replacement of plumbing systems,
7 including equipment, appliances, fixtures, fittings and appurtenances, and, where
8 connected to a water or sewage system, [[and]] all aspects of a medical gas system. The
9 following appendices are adopted as part of the Plumbing Code: Appendix B “Rates of
10 Rainfall for Various Cities”, [[Appendix C “Gray Water Recycling Systems”,] Appendix
11 D “Degree Day and Design Temperatures”, AND Appendix E “Sizing of Water Piping
12 System” [, and Appendix G “Vacuum Drainage System”]]. The provisions of the Anne
13 Arundel County Private Sewage Disposal and Well Code shall apply to private sewage
14 disposal systems.

15
16 **101.4.6 Energy.** The provisions of the [[2015]] 2018 International Energy Conservation
17 Code shall apply to all matters governing the design and construction of COMMERCIAL
18 buildings for energy efficiency.

19
20 **101.4.7 Residential.** The provisions of the [[2015]] 2018 International Residential Code
21 for One- and Two-Family Dwellings shall apply to all matters governing the design and
22 construction of detached one- and two-family dwellings and multiple single-family
23 dwellings (townhouses) not more than three stories above grade plane in height with a
24 separate means of egress and their accessory structures. The following appendices are
25 adopted as part of the Residential Code: Appendix A “Sizing and Capacities of Gas
26 Piping”, Appendix B “Sizing of Venting Systems Serving Appliances Equipped with Draft
27 Hoods, Category I “Appliances, and Appliances Listed for Use with Type B Vents”,
28 Appendix C “Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems”,
29 Appendix E “Manufactured Housing Used as Dwellings”, Appendix G “Piping Standards
30 For Various Applications”, Appendix H “Patio Covers”, APPENDIX J “EXISTING BUILDINGS
31 AND STRUCTURES”, Appendix K “Sound Transmission”, Appendix N “Venting Methods”,
32 APPENDIX O “AUTOMATIC VEHICULAR GATES”, [[and]] Appendix P “Sizing Of Water
33 Piping System”, APPENDIX Q “TINY HOUSES”, APPENDIX R “LIGHT STRAW-CLAY
34 CONSTRUCTION”, AND APPENDIX S “STRAWBALE CONSTRUCTION”.

35
36 **101.4.8 Swimming pool and Spa.** THE PROVISIONS OF THE 2018 INTERNATIONAL
37 SWIMMING POOL AND SPA CODE SHALL APPLY TO THE CONSTRUCTION, ALTERATION,
38 MOVEMENT, RENOVATION, REPLACEMENT, REPAIR, AND MAINTENANCE OF AQUATIC
39 RECREATION FACILITIES, POOLS, AND SPAS. THE SWIMMING POOLS AND SPAS COVERED
40 BY THIS CODE ARE EITHER PERMANENT OR TEMPORARY, AND SHALL BE ONLY THOSE
41 THAT ARE DESIGNED AND MANUFACTURED TO BE CONNECTED TO A CIRCULATION
42 SYSTEM AND THAT ARE INTENDED FOR SWIMMING, BATHING, OR WADING.

43 44 **Section 105**

45 46 **Permits**

47
48 **105.3.4 Time limitation of application.** An application for a permit for any proposed
49 work shall be deemed to have been abandoned and may be cancelled by the Department of
50 Inspections and Permits [[180 days]] ONE YEAR after the date of filing, unless such

1 application has been pursued in good faith or a permit has been issued, except that the Code
2 Official is authorized to grant one or more extensions of time for additional periods not
3 exceeding 90 days each. The extension shall be requested in writing and good cause shown.
4

5 **105.5.4 Permit extension.** Upon written request filed with the Department prior to
6 permit expiration, and if the Department finds that a hardship exists, the times set forth in
7 section 105.5 may be extended for up to one additional year from the date of expiration. A
8 permit that is extended is subject to a \$25.00 fee. [[A permit may not be extended more
9 than once.]] A renewed permit may not be extended.
10

11 **105.5.5 Permit renewal.** Upon written request filed with the Department no later than
12 six months after permit expiration, and if the Department finds that a hardship exists, an
13 expired permit may be renewed for up to one additional year from the date of expiration.
14 A permit that is renewed is subject to a \$25.00 fee. [[An expired permit may not be renewed
15 more than once. An expired permit that was previously extended may not be renewed.]] A
16 PERMIT THAT HAS BEEN EXTENDED MUST COMPLY WITH THE CONSTRUCTION CODES
17 ADOPTED IN ARTICLE 15 OF THE COUNTY CODE AT THE TIME OF THE EXTENSION.
18

19 **Section 106**

20 **Construction Documents**

21 **106.1.1 Information on construction documents.** Construction documents shall be
22 dimensioned and drawn upon suitable material. Electronic media documents are permitted
23 to be submitted [[when approved by the Code Official]]. Construction documents shall be
24 of sufficient clarity to indicate the location, nature, and extent of the work proposed and
25 show in detail that it will conform to the provisions of the Construction Code and relevant
26 laws, ordinances, rules, and regulations, as determined by the Code Official.
27
28
29

30 **Section 107**

31 **Temporary Structures and Uses**

32 **107.3 Temporary power.** The Code Official is authorized to give permission to
33 temporarily supply and use power as part of an electric installation before such installation
34 has been fully completed and the final certificate of completion has been issued. The part
35 covered by the temporary certificate shall comply with the requirements specified for
36 temporary lighting, heat, or power in the National Electrical Code, [[2014]] 2017 edition.
37
38
39

40 **Section 110**

41 **Certificate of Occupancy**

42 **110.4 Revocation.** The Code Official is authorized to suspend or revoke, in writing, a
43 PERMIT, certificate of occupancy, or [[completion]] FINAL INSPECTION APPROVAL issued
44 under the provisions of the Construction Code when the PERMIT, certificate OR APPROVAL
45 is issued in error or on the basis of incorrect information supplied, or where it is determined
46 that the building or structure or portion thereof is in violation of any ordinance or regulation
47 or any of the provisions of the Construction Code.
48
49

INTERNATIONAL BUILDING CODE AMENDMENTS

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

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

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

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

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

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

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

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

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

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

1 **1805.4.6 Foundation weep holes.** Where subsoil drains are required by section
2 1805.4.2, foundations of hollow core masonry shall have foundation weep holes. Weep
3 holes shall be placed a maximum of 4 foot O/C intervals and shall discharge into the
4 aggregate of interior subsoil drainage system.

5
6 **1805.4.7 Site grading.** The ground immediately adjacent to the foundation shall be
7 sloped away from the building at a slope of not less than one unit vertical in 12 units
8 horizontal (1:12) for a minimum distance of 5 feet (914 mm) measured perpendicular to
9 the face of the wall or an approved alternate method of diverting water away from the
10 foundation shall be used. Consideration shall be given to the possible additional settlement
11 of the backfill when establishing the final ground level adjacent to the foundation.[""]

12
13 **1805.4.8 Roof drainage.** THE ROOF DRAINAGE SYSTEM SHALL DISCHARGE WITHIN
14 FOUR (4) INCHES OF A SPLASH BLOCK. THE DISCHARGE MAY BE TO A PROPERLY GRADED
15 OPEN AREA PROVIDED THAT THE POINT OF DISCHARGE IS AT LEAST FIVE (5) FEET FROM
16 ANY PROPERTY LINE OR, AS REQUIRED BY AN APPROVED GRADING AND STORMWATER
17 MANAGEMENT PLAN, TO A SWALE OR DEVICE.”

18
19 [[16]] (17) After section 1809.8, insert:

20
21 **“1809.8.1 Electrode.** In all buildings a concrete-encased electrode shall be
22 provided prior to placement of concrete in accordance with section 250.52(a)(3) of the
23 National Electrical Code, [[2014]] 2017 edition.”

24
25 [[19]] (20) After section [[3109.5]] 3109.1, insert:

26
27 **“[[3109.6]] 3109.2 Public pool entrapment avoidance.** A public or semi-public
28 swimming pool or spa shall conform to entrapment requirements as set forth in COMAR
29 10.17.01.28.”

30
31 [[20]] (21) After section [[3111]] 3113.4, insert:

32
33 **“Section [[3112]] 3114**

34 **Driveways**

35
36 **[[3112.1]] 3114.1 Driveway aprons.** Driveway aprons shall extend from street or
37 alley pavements to the property line, and shall be constructed in accordance with the
38 provisions of the standard specifications and details issued by the Department of Public
39 Works.

40
41 **[[3112.2]] 3114.2 Location and specifications.** Driveways shall extend from the lot
42 line to the garage, carport, or parking space, and shall measure at least 9 feet in width. The
43 maximum gradient change at vertical transitions shall be 20%. Vertical transitions shall be
44 designed to prevent the undercarriage or bumper of a standard size car from contacting the
45 driveway surface. Alignment shall be safe and convenient to back a car out, or an adequate
46 turnaround shall be provided. No portion of the driveway shall exceed 14% gradient from
47 the horizontal.
48

1 turnaround shall be provided. No portion of the driveway shall exceed 14% gradient from
2 the horizontal.

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

6
7 **[[R327.4]] R328.4 Parking pads.** Two off-street parking pads shall be provided for
8 each detached single-family home as defined by section 101.2.1 of the Construction Code.
9 The minimum size per parking space is 9 feet in width and 18 feet in length.

10
11 **[[R327.5]] R328.5 Exception.** The provisions of this section do not apply to lots one
12 acre or larger.

13
14 **[[R327.6]] R328.6 Fences.** All fences located on corner lots shall maintain a 25-
15 foot setback from the apex of the intersecting streets.”

16
17 **[[(17)]]** (15) In section R403.1, after “ACI332.”, insert “In all buildings a concrete-
18 encased electrode shall be provided prior to the placement of concrete in accordance with
19 section 250.52(a)(3) of the National Electrical Code, **[[2014]]** 2017 edition.

20
21 **[[(19)]]** (17) After section R405.1, insert:

22
23 **“R405.1.1 Subsoil drainage systems.** Subsoil drains shall be required for all
24 buildings having basements, cellars, crawl spaces, or floors below grade. Subsoil drains
25 shall be located inside and outside of the foundation and shall be installed at or below the
26 area to be protected. Drains shall discharge by gravity or mechanical means into an
27 approved drainage system in accordance with section R405.1.2. Drains shall be perforated
28 or open joint approved drain tile not less than 3 inches in diameter and be placed in gravel,
29 slag, or crushed rock or other approved material at least one sieve size larger than the tile
30 joint opening or perforations with a minimum of 4 inches surrounding the drain tile or pipe
31 on all sides. Exterior drains shall have an approved filter material placed on top of the
32 required gravel stone or crushed rock.

33
34 **R405.1.2 Sump pumps and pits.** Where subsoil drains do not discharge by gravity,
35 the drains shall discharge to an accessible sump pit with an automatic electric pump. The
36 sump pit shall be a minimum of 18 inches in diameter and 24 inches in depth, and be
37 provided with a fitted cover. The sump pump shall have adequate capacity to discharge all
38 water coming into the sump as it accumulates but in no case shall the capacity of the pump
39 be less than 15 gallons per minute. The discharge from the pump shall be a minimum of 1
40 1/4 inches and shall have a union in the discharge piping to make the pump accessible for
41 servicing. When not serving a continuous flowing spring or ground water the sump pump
42 may discharge onto a splash block not less than 24 inches in length. The discharge pipe
43 shall be located within 4 inches of the splash block and positioned to divert the flow parallel
44 to the splash block. Subsoil drains and sump pump discharge may discharge to a properly
45 graded open area provided the point of discharge is 5 feet from any property line. Where a
46 continuous flowing spring or groundwater is encountered, subsoil and sump pump
47 discharge lines must be piped to a storm drain or approved water course. When piped to a
48 storm drain all drainage lines shall be provided with an accessible backwater valve.

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

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

15
16 **R405.1.5 Foundation weep holes.** Where subsoil drains are required by section
17 R405.1.1, foundations of hollow core masonry shall have foundation weep holes. Weep
18 holes shall be placed a maximum of 4 foot O/C intervals and shall discharge into the
19 aggregate of the interior subsoil drainage system.”

20
21 (21) IN SECTION R801.3, STRIKE “IN AREAS WHERE EXPANSIVE SOILS OR COLLAPSIBLE
22 SOILS ARE KNOWN TO EXIST;”; AND, AFTER THE LAST SENTENCE, INSERT “THE ROOF
23 DRAINAGE SYSTEM SHALL DISCHARGE WITHIN FOUR (4) INCHES OF A SPLASH BLOCK. THE
24 DISCHARGE MAY BE TO A PROPERLY GRADED OPEN AREA PROVIDED THAT THE POINT OF
25 DISCHARGE IS AT LEAST FIVE (5) FEET FROM ANY PROPERTY LINE OR, AS REQUIRED BY AN
26 APPROVED GRADING AND STORMWATER MANAGEMENT PLAN, TO A SWALE OR DEVICE.”.

27
28 ~~[[23]]~~ (22) In section ~~[[M1305.1.3]]~~ M1305.1.2, in the last sentence, after “appliance.”,
29 insert:

30
31 “Access to the attic opening shall be provided by a permanent or pull down
32 stairway in all new construction.”

33
34 ~~[[24]]~~ (23) In section M1307.5, strike “Chapters 14, 15, 19, 20, and 34 through 43 of
35 this Code” and substitute “the National Electrical Code, ~~[[2014]]~~ 2017 edition”.

36
37 ~~[[28]]~~ (27) After section ~~[[P2604.2.4]]~~ P2604.4, insert:

38
39 ~~“[[P2604.3]]~~ **P2604.5 Tracer wire.** Nonmetallic sanitary sewer and nonmetallic
40 water supply piping that connects to public systems shall be locatable. An insulated copper
41 tracer wire, 10 AWG minimum in size and suitable for direct burial or an equivalent
42 product shall be utilized. The wire shall be installed in the same trench as the sewer or
43 water supply piping within 12 inches (305 mm) of the piping and shall be installed from
44 within five feet of the building wall to the point where the building sewer or water supply
45 system connects with the public system. At a minimum, one end of the wire shall terminate
46 above grade in an accessible location that is resistant to physical damage, such as with a
47 cleanout or at the building wall.”

1 **INTERNATIONAL ENERGY CONSERVATION CODE AMENDMENTS**

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

6
7 **INTERNATIONAL EXISTING BUILDING CODE AMENDMENTS**

8
9 The provisions of the international existing building code, [[2015]] 2018 edition, are
10 amended, deleted, or corrected as follows, and the following provisions shall supersede the
11 part of the text of the international existing building code, [[2015]] 2018 edition, as
12 indicated:

13
14 **NATIONAL ELECTRICAL CODE AMENDMENTS**

15
16 The provisions of the National Electrical Code, [[2014]] 2017 edition, are amended,
17 deleted, or corrected as follows and the following provisions shall supersede the part of the
18 text of the National Electrical Code, [[2014]] 2017 edition, as indicated:

19
20 (3) IN SECTION 210.52G, AFTER “(3)”, INSERT:

21
22 “A 120 VOLT, 15 OR 20 AMP RECEPTACLE SUPPLYING A PERMANENTLY INSTALLED
23 SUMP PUMP IN AN UNFINISHED AREA SHALL NOT REQUIRE GFCI PROTECTION PROVIDED
24 THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:

25
26 1. THE SUMP PUMP DOES NOT REQUIRE GFCI PROTECTION PER
27 MANUFACTURERS’ INSTRUCTION OR LISTING;

28
29 2. A SINGLE RECEPTACLE ON A DEDICATED BRANCH CIRCUIT SHALL IS
30 INSTALLED INSIDE AN ADEQUATELY SIZED NON-METALLIC ENCLOSURE THAT HAS A
31 COVER SECURED BY SCREWS OR BOLTS; AND

32
33 3. OPENINGS ARE INSTALLED ON THE BOTTOM OF THE ENCLOSURE AND ARE
34 NO LARGER THAN REQUIRED FOR FLEXIBLE CORD TO ENTER THE ENCLOSURE.”

35
36 (6) AFTER SECTION 408.38, INSERT:

37
38 “408.48.1 IN ADDITION, THE HIGHEST AVAILABLE BREAKER SPACE IN THE
39 PANELBOARD SHALL COMPLY WITH SECTION 240.24(A).”

40
41 **INTERNATIONAL FUEL GAS CODE AMENDMENTS**

42
43 The provisions of the [[2015]] 2018 International Fuel Gas Code are amended, deleted,
44 or corrected as follows and the following provisions shall supersede the part of the text of
45 the [[2015]] 2018 International Fuel Gas Code as indicated:

46
47 **INTERNATIONAL MECHANICAL CODE AMENDMENTS**

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

INTERNATIONAL PLUMBING CODE AMENDMENTS

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

(5) AFTER SECTION 303.1, INSERT:

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

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

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

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

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

INTERNATIONAL POOL AND SPA CODE AMENDMENTS

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

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

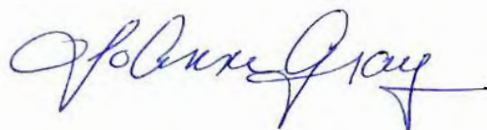
(2) IN SECTION 202, IN THE DEFINITION OF “CODE OFFICIAL”, STRIKE “THE OFFICER OR OTHER DESIGNATED AUTHORITY CHARGED WITH THE ADMINISTRATION AND ENFORCEMENT OF THIS CODE, OR A DULY AUTHORIZED REPRESENTATIVE”, AND SUBSTITUTE “THE DIRECTOR OF INSPECTIONS AND PERMITS, OR DULY AUTHORIZED REPRESENTATIVE, CHARGED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

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

AMENDMENT ADOPTED: September 8, 2020

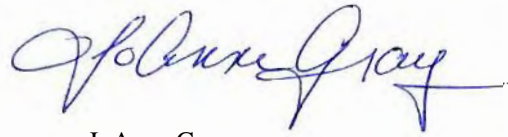
READ AND PASSED this 8th day of September, 2020

By Order:



JoAnne Gray
Administrative Officer

PRESENTED to the County Executive for his approval this 9th day of September, 2020



JoAnne Gray
Administrative Officer

APPROVED AND ENACTED this 18th day of September, 2020



Steuart Pittman
County Executive

EFFECTIVE DATE: November 2, 2020

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF
BILL NO. 60-20. THE ORIGINAL OF WHICH IS RETAINED IN THE
FILES OF THE COUNTY COUNCIL.



JoAnne Gray
Administrative Officer