

ORDINANCE NO. ORD-2010-12

AN ORDINANCE TO REPEAL THE 2005 NATIONAL ELECTRICAL  
CODE WITH LOCAL AMENDMENTS ADOPTED BY THE BOARD OF COUNTY  
COMMISSIONERS OF WASHINGTON COUNTY, MARYLAND ON JULY 26, 2005  
AND TO ENACT THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE,  
WITH LOCAL AMENDMENTS FOR WASHINGTON COUNTY

RECITALS

The Board of County Commissioners of Washington County, Maryland, being concerned with safety and fire prevention in Washington County, adopted the 2005 edition of the *National Electrical Code*, with local amendments for Washington County, on July 26, 2005, effective September 1, 2005.

It has been recommended to the Board of County Commissioners of Washington County, Maryland, that it adopt the 2008 edition of the *National Electrical Code* which is more up-to-date and which provides greater electrical safeguards for residents of Washington County, Maryland, if implemented.

It has also been recommended to the Board that certain amendments be made to the text of the 2008 edition of the *National Electrical Code*.

A public hearing was held on July 6, 2010 following due notice and advertisement of the text of the 2008 edition of the *National Electrical Code*, with local amendments for Washington County.

NOW, THEREFORE, BE IT ORDAINED AND ENACTED that the 2005 edition of the *National Electrical Code*, with local amendments for Washington County, adopted by the Board of County Commissioners of Washington County, Maryland, on July 26, 2005,

effective September 1, 2005, and all other ordinances or parts of ordinances in conflict herewith are hereby repealed; and

NOW, THEREFORE, BE IT ORDAINED AND ENACTED that the 2008 edition of the *National Electrical Code*, the contents of which are incorporated herein by reference, is enacted with the following insertions, amendments and additions:

[Note: new language is in *italics*]

[Deletions are shown as ~~strike through~~]

**ARTICLE 210 – Branch Circuits, is amended as follows:**

**Section 210.52. Dwelling Unit Receptacle Outlets, Subsection (G) Basements and Garages, is amended and shall read as follows:**

- (G) **Basements and Garages.** For a one-family dwelling, the following provision shall apply:
- (1) At least one receptacle outlet, in addition to those for specific equipment, shall be installed in each basement and each attached garage, and in each detached garage with electric power. *The receptacle outlets located in each attached and each detached garage with electric power shall be installed at a minimum height of 450 mm (18 in.) above the finished garage floor.*
  - (2) Where a portion of the basement is finished into one or more habitable rooms, each separate unfinished portion shall have a receptacle outlet installed in accordance with this section.

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**ARTICLE 250 – Grounding, is amended as follows:**

**Section 250.53. Grounding Electrode System Installation, Subsection (A) Rod, Pipe, and Plate Electrodes, is amended by adding Subsection (1) which shall read as follows:**

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- (1) *The use of two 2.5 m x 16 mm (8 ft. x 5/8 in.) galvanized ground rods spaced a minimum of 1.8 m (6 ft.) apart shall be required for all new and upgraded residential electrical services.*

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**ARTICLE 300 – Wiring Methods, is amended as follows:**

**Section 300.5 Underground Installations, Subsection (D), Protection from Damage, Subsection (3) Service Conductors, is amended and shall read as follows:**

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(3) *Service All Underground Conductors.* Underground service-conductors that are not encased in concrete and that are buried 450 mm (18 in.) or more below grade shall have their location identified by a warning ribbon that is placed in the trench at least 300 mm (12 in.) above the underground installation.

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**ARTICLE 334 – Nonmetallic-Sheathed Cable: Types NM, NMC, and NMS, is amended as follows:**

**Section 334.30, Securing and Supporting, is amended and shall read as follows:**

**334.30. Securing and Supporting.** Nonmetallic-sheathed cable shall be secured by *insulated* staples, cable ties, straps, hangers, or similar fittings designed and installed so as not to damage the cable at intervals not exceeding 1.4 m (4½ ft.) and within 300 mm (12 in.) of every cabinet, box, or fitting. Flat cables shall not be stapled on edge. Sections of cable protected from physical damage by raceway shall not be required to be secured within the raceway.

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**ARTICLE 680 – Swimming Pools, Fountains, and Similar Installations, is amended as follows:**

**Section 680. Equipotential Bonding, Subsection (B) Bonded Parts Subsection (2) Perimeter Surfaces is amended as follows:**

(2) **Perimeter Surfaces.** The perimeter surface shall extend for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete and other types of paving. Bonding to perimeter surfaces shall be provided as specified in 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool. For nonconductive pool shells, bonding at four points shall not be required.

(a) **Structural Reinforcing Steel.** Structural reinforcing steel shall be bonded in accordance with 680.26(B)(1)(a).

~~(b) **Alternate Means.** Where structural reinforcing steel is not available or is encapsulated in a nonconductive compound, a copper conductor(s) shall be utilized where the following requirements are met:~~

~~(1) **At least one minimum 8-AWC bare solid copper conductor shall be provided.**~~

~~(2) **The conductors shall follow the contour of the perimeter surface.**~~

~~(3) **Only listed splices shall be permitted.**~~

~~(4) **The required conductor shall be 450 to 600 mm (18 to 24 in.) from the inside walls of the pool.**~~

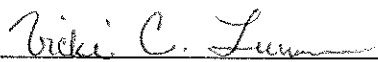
~~(5) **The required conductor shall be secured within or under the perimeter surface 100 mm to 150 mm (4 in. to 6 in.) below the subgrade.**~~

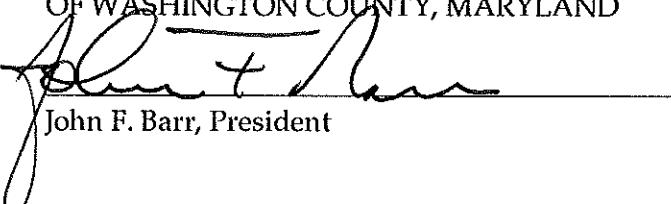
Adopted this 10th day of August, 2010.

Effective the 1st day of September, 2010.

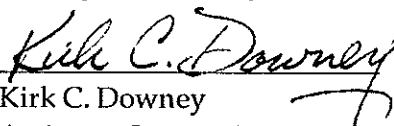
ATTEST:

BOARD OF COUNTY COMMISSIONERS  
OF WASHINGTON COUNTY, MARYLAND

  
Vicki C. Lumm, Clerk

  
John F. Barr, President

Approved as to form  
and legal sufficiency:

  
Kirk C. Downey  
Assistant County Attorney

Mail to:  
County Attorney's Office  
100 W. Washington Street, Room 202  
Hagerstown, MD 21740

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