

ARTICLE XVI

FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

PART II. STORM WATER MANAGEMENT

Section 15-261 Natural Drainage System Utilized to Extent Feasible (REWRITTEN 6/27/07) AMENDED 2/21/12) .

(a) To the extent practicable, all development shall conform to the natural contours of the land and natural drainage ways shall remain undisturbed.

(b) To the extent practicable, lot boundaries shall be made to coincide with natural drainage ways within subdivisions to avoid the creation of lots that can be built upon only by altering such natural drainage ways.

(c) Drainage or filling in of existing ponds, under circumstances where the requirements of Section 15-263 are not applicable, shall only be allowed if the stormwater management benefits of the pond are otherwise provided for through installation of other stormwater management devices or practices deemed suitable by the Administrator. (AMENDED 2-21/12)

Section 15-262 Development Must Drain Properly (REWRITTEN 6/27/07)

(a) All development shall be provided with a stormwater management system containing drainage facilities that are adequately designed and constructed to prevent the undue retention of surface water on the development site. Surface water shall not be regarded as unduly retained if:

- (1) The retention results from a technique, practice or device deliberately installed as part of an approved sedimentation or stormwater management plan, or
- (2) The retention is not substantially different in location or degree than that experienced by the development site in its pre-development stage, unless such retention presents a danger to health or safety.

(b) No surface water may be channeled or directed into the OWASA sanitary sewer system.

(c) Whenever practicable, the drainage system of a development shall coordinate with the drainage system or drainage ways on surrounding properties or streets.

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

(d) Use of drainage swales rather than curb and gutter and storm sewers in subdivisions is provided for in Section 15-216. Private roads and access ways within unsubdivided developments shall utilize curb and gutter and storm drains to provide adequate drainage if the grade of such roads or access ways is too steep to provide drainage in another manner or if other sufficient reasons exist to require such construction.

(e) The minimum design storm frequency for all drainage systems shall be the 10 year storm, except that those facilities crossing streets shall be designed for the 25 year storm.

(f) Drainage culverts and associated facilities shall be suitably sized to accommodate designated storm frequencies and shall be suitably constructed and installed to insure that the facilities will function adequately and will not deteriorate within an unreasonably short period of time. **(AMENDED 04/03/90)**

Section 15-263 Management of Stormwater (REWRITTEN 6/26/07; AMENDED 6/24/08; AMENDED 10/28/08; 6/22/10; 11/23/10; REWRITTEN 6/26/12)

(a) The requirements of this section shall apply to developments to the extent provided in this subsection.

- (1) For purposes of this subsection, “impervious surface” means that portion of the development of a lot or tract that is covered by a surface or material that substantially or completely prevents rainwater from reaching and being absorbed into the underlying soil. Impervious surfaces include but are not limited to streets, driveways, sidewalks, parking lots, buildings, and other roofed, paved, or graveled areas. Wooden slatted decks and the water area of swimming pools are considered pervious, as are detention ponds.
- (2) For purposes of this subsection, “net addition of impervious surface” shall be determined by subtracting the total square footage of impervious surface prior to commencement of construction authorized by a development permit from the total square footage of impervious that is proposed to be located on the development site when all construction authorized by the development permit (including all phases thereof) is completed. If the permit issuing authority reasonably concludes that a permit applicant is seeking or has sought separate permits (simultaneously or sequentially) for different components of what is demonstrably intended to be a single development in an attempt to stay below the impervious surface threshold that triggers the requirements set forth in this section, then the permit issuing authority shall treat such multiple applications as a single application for purposes of determining whether the requirements of this section are applicable.
- (3) All unsubdivided developments that involve a net addition of more than 5,000 square feet of impervious surface shall be subject to the requirements of this section, except that these requirements shall not apply if the total of the net addition of impervious surface area plus the previously existing impervious

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

surface area on the lot does not exceed (i) six percent (6%) of the lot area within a B-5 or WM-3 zoning district, or (ii) for lots in all other zoning districts, the amount of impervious surface area permissible on lots within the C or WR zoning districts under subsection 15-266(b) of this part.

- (4) When land is subdivided, and the permit authorizing the subdivision does not itself authorize the net addition of more than 5,000 square feet of impervious surface to the tract to be subdivided, then the requirements of this section shall not be applicable to the subdivision. The applicability of the requirements of this section to each of the individual lots so created shall then be determined as development permits are issued for each such lot.
- (5) When land is subdivided, and the permit authorizing the subdivision itself authorizes the net addition of more than 5,000 square feet of impervious surface to the tract to be subdivided (regardless of whether such impervious surface consists of a road or other facilities external to the lots so created, or buildings, parking lots, and other facilities constructed within the lots so created, or a combination of the two), then the subdivision shall comply with the requirements of this section. Furthermore, the stormwater management system that is installed to comply with the provisions of this section shall be required to take into account all the stormwater reasonably expected to be generated by the development (according to generally accepted engineering standards) when all subdivided lots five acres or less in size are fully developed. When such lots are subsequently developed, they shall be exempt from further review under the provisions of this section. However, any lot within such subdivision that is greater than five acres in size and that was not included in the stormwater calculations for purposes of designing a stormwater management system that satisfies the requirements of this section shall be required to comply with the requirements of this section at the time such lot is developed, if and to the extent required to do so under subsection (a)(3) of this section.
- (6) Notwithstanding the other provisions of this subsection, if (i) a lot is within a commercial district described in Section 15-136 or a manufacturing district described in 15-137, (ii) on the date that a development permit application is submitted and the fees paid the lot is already developed to the extent that the lot contains at least 10,000 square feet of impervious surface area, and (iii) the reasonably estimated cost of the redevelopment of the lot as proposed in the development permit application exceeds the greater of \$100,000, or fifty percent (50%) of the appraised value of the existing improvements on the lot, then the requirements of this section shall be applicable to such redevelopment. For purposes of this subdivision (a)(6), the terms “cost” and “appraised value” shall have the same meaning as provided in Subsection 15-125(c) of this chapter.
- (7) Notwithstanding the other provisions of this subsection, the requirements of this section shall apply to any development involving the reconstruction of a

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

previously paved area comprising at least 10,000 square feet (repaving or resurfacing shall not be considered reconstruction).

(8) Notwithstanding the other provisions of this subsection (but subject to the provisions of subsection (a)(8)f below), the requirements of this section shall apply to all proposed new development that cumulatively disturbs one acre or more for single family and duplex residential property and recreational facilities, and one-half acre for commercial, industrial, institutional, multifamily residential, or local government property. For purposes of this subsection (a)(8) only:

- a. Development means any land disturbing activity which adds to or changes the amount of impervious or partially impervious cover on a land area or which otherwise decreases the infiltration of precipitation into the soil.
- b. New development means any development project that does not meet the definition of existing development set forth immediately below.
- c. Existing development means development not otherwise exempted from the provisions of this section that meets one of the following criteria: (i) it either is built or has established a vested right based on statutory or common law grounds as of the effective date of this section, or (ii) it occurs after the effective date of this section but does not result in a net increase in impervious surface area and does not increase the infiltration of precipitation into the soil.
- d. Land disturbing activity means any use of the land that results in a change in the natural cover or topography that may cause or contribute to sedimentation.
- e. Larger common plan of development or sale means any area where multiple separate and distinct construction or land-disturbing activities will occur under one plan. A plan is any announcement or piece of documentation (including but not limited to a sign, public notice or hearing, sales pitch, advertisement, loan application, drawing, permit application, zoning request, or computer design) or physical demarcation (including but not limited to boundary signs, lot stakes, or surveyor markings) indicating that construction activities may occur on a specific plot.
- f. Redevelopment means any development on previously developed land.

(b) Developments must install and maintain stormwater management systems that will control and treat runoff from the first one inch of rain as follows:

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

- (1) Draw down the treatment volume in accordance with the requirements of the North Carolina Division of Water Quality Best Management Practices (NC DWQ BMP) Manual.
- (2) Achieve an eighty-five percent (85%) average annual removal rate for Total Suspended Solids.

(c) Subject to subsections (d) and (f), developments must install and maintain stormwater management systems that ensure that the nutrient load contributed by the development is limited to not more than 2.2 pounds per acre per year of nitrogen and 0.82 pounds per acre per year of phosphorus.

(d) Subject to subsection (f), developments that (i) would otherwise be required under subsection (a) to comply with the stormwater treatment standards set forth in subsection (c), and (ii) involve the replacement or expansion of existing structures or improvements, shall have the option of either satisfying the requirements of subsection (c) of this section or achieving a thirty-five percent (35%) nitrogen and five percent (5%) phosphorous reduction in the loading rates for these nutrients when comparing the situation that exists on the date a completed application is submitted to the post redevelopment situation for the entire project site.

(e) The need for engineered stormwater controls to meet the nutrient loading rate standards set forth in subsections (c) and (d) shall be determined by using the loading calculation methods and other standards established by the Division of Water Quality as set forth in Sub-Item (4)(a) of 15A NCAC 2B.0265, including the current version of the Stormwater Best Management Practices Manual published by the Division.

(f) Developers shall have the option of offsetting part of their nitrogen and phosphorus loads by implementing or funding offsite management measures as follows:

- (1) Before using offsite offset options, a development shall attain a maximum nitrogen loading rate on-site of six pounds per acre per year for single-family detached and duplex residential development and ten pounds per acre per year for other development, including multi-family residential, commercial and industrial, and shall meet any requirement for engineered stormwater controls required by this Article..
- (2) Offsite offsetting measures shall achieve at least equivalent reductions in nitrogen and phosphorus loading to the remaining reduction needed onsite to comply with the loading rate standards set forth in subsection (c) of this section.
- (3) A developer may make offset payments to the N.C. Ecosystem Enhancement Program contingent upon acceptance of payments by that Program. A developer may use an offset option provided by the Town of

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

Carrboro, or may propose other offset measures including providing the developer's own offsite offset or utilizing a private seller. All offset measures shall meet the requirements of 15A NCAC 02B.0273(2) through (4) and 15A NCAC 02B.0240.

(g) Developments shall be constructed and maintained so that their stormwater management systems meet the following minimum standards:

- (1) The post-development discharge rates shall be less than or equal to the pre-development discharge rates for the 1-, 2-, 5-, 10-, and 25-year 24-hour design storms.
- (2) For upstream properties, the 1% chance flood elevation may not be increased.
- (3) The Board finds that increases in the total annual volume of runoff associated with new development results in decreased groundwater recharge, increased stream channel instability/erosion and significant water quality degradation. Therefore to the maximum extent practicable developments shall install and maintain stormwater management systems such that the post-development total annual stormwater runoff volume shall not exceed the predevelopment volume by more than the limits set forth in the table below. The predevelopment and post-development annual stormwater runoff volume shall be calculated using the most up to date guidance and accounting methodology from North Carolina environmental regulatory agencies with stormwater management oversight. **(AMENDED 6/26/12, AMENDED 2/26/13, AMENDED 5/28/19)**

A composite curve number shall be assigned to the development site in the pre-development stage using the runoff curve number method described in USDA NRCS Technical Release 55, Urban Hydrology for Small Watersheds (June, 1986). See also Chapters 4 through 10 of NEH-4, SCS (1985).

Preexisting Composite Curve Number*	Maximum allowable increase in annual stormwater runoff volume
> 78	50%
>70-78	100%
> 64-70	200%
<=64	400%

(AMENDED 2/26/13)

(h) The presumption established by this section is that, to satisfy the standards set forth herein, the applicant shall design and construct all stormwater management systems

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

required by this section in accordance with the guidelines set forth in the Town of Carrboro Storm Drainage Design Manual (Appendix I to this chapter). However, the permit issuing authority may establish different requirements when it concludes, based upon (i) the information it receives in the consideration of the specific development proposal, and (ii) the recommendations of the public works director or the town engineer, that such deviations from the presumptive guidelines are necessary to satisfy the standards set forth in this section, or that the standards can still be met with such deviations and the deviations are otherwise warranted.

(i) Approval by the town of an applicant's stormwater management plans, and construction by the applicant of the stormwater management system as shown in such plans, shall not relieve the applicant of the responsibility of complying with the standards set forth in this section. If at any time prior to two years after the date that the town concludes that a stormwater management system (or any component thereof) has been constructed in accordance with approved plans, the town determines that the stormwater management system (or any component thereof) installed to meet the requirements of this section does not achieve that objective, the town may require the submission of revised plans and the installation of new, altered, or additional facilities to bring the development into compliance. Prior to issuance of a certificate of occupancy or approval of a final plat, the town may require the applicant to post a performance bond or other sufficient surety to guarantee compliance with this section. **(AMENDED 1/29/13)**

(j) Upon completion of construction of the stormwater management facilities, the permit recipient shall submit to the town "as built" plans for all such facilities in the form required by the town. Compliance with this requirement must occur prior to issuance of a certificate of occupancy, or prior to final plat approval (if applicable), unless adequate security is otherwise provided in accordance with the provisions of Sections 15-53 or 15-60.

(k) Proposed new development undertaken by the Town solely as a public road project shall be deemed compliant with the provisions of this section if it meets the buffer protection requirements of Part III of this Article. All other developments shall comply with both the requirements of this section and the provisions of Part III of this Article.

(l) Variances from the provisions of this section may only be granted in accordance with the requirements of Section 15-92, including subsection (l) of that section.

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION**Section 15-263.1 Maintenance of Structural BMPs.**

(a) For purposes of this section, a “structural BMP” is a device constructed or installed to trap, settle out, or filter pollutants from stormwater runoff or to reduce stormwater discharge volume or velocity in order to satisfy one or more of the requirements of Section 15-263.

(b) The owner of each structural BMP installed pursuant to this ordinance shall maintain and operate it so as to preserve and continue its function in controlling stormwater quality and quantity at the degree or amount of function for which the structural BMP was designed. Such operation and maintenance shall be in accordance with the Operation and Maintenance Agreement specified in subsection (e) of this section.

(c) The owner of each structural BMP shall ensure that each such facility is inspected in accordance with the Operation and Maintenance Agreement specified in subsection (e) of this section by a qualified registered North Carolina professional or other individual specially qualified by an appropriate training, testing, and certification program. The person performing the inspections shall submit annually to the administrator a report certifying the results of such inspections. The report shall be in a format and shall contain the information prescribed by the administrator. The first report shall be due one year from the date of the as built certification required by Subsection 15-263(i), and subsequent reports shall be due on or before that anniversary date.

(d) The owner of each structural BMP shall ensure that, in accordance with the Operation and Maintenance Agreement, funds are set aside in an escrow account, sinking fund, or other arrangement, sufficient to pay major, non-routine costs associated with keeping such BMPs in proper operational condition, such as the cost of sediment removal, structural, biological, or vegetative replacement, major repair, or reconstruction. The owner shall submit annually to the administrator a report certifying that such funds have been set aside. The report shall be in a format and shall contain the information prescribed by the administrator. The first report shall be due one year from the date of the as-built certification required by Subsection 15-263(i), and subsequent reports shall be due on or before that anniversary date.

(e) Prior to final plat approval, in the case of a subdivision, or prior to the issuance of a certificate of occupancy, in the case of an unsubdivided development, the owner of a development that contains a structural BMP shall enter into an Operation and Maintenance Agreement with the town (and shall record such agreement in the Orange County Registry) that specifies that the owner, and his or her successor and assigns:

- (1) Agrees to comply with the obligations set forth in subsections (b), (c), and (d) of this section;
- (2) Authorizes the town and its employees or agents to enter the property where the structural BMPs are located at reasonable times to inspect the

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

same for compliance with the requirements of this section, the permit issued pursuant thereto, and the provisions of the Operation and Maintenance Agreement;

- (3) Agrees that, if the owner fails to operate and maintain such structural BMPs in accordance with the requirements of this section, the permit issued pursuant thereto, and the provisions of the Operation and Maintenance Agreement, the town is authorized (but not obligated) to enter the property to perform such work as is necessary to bring such BMPs into compliance and to charge the owner with the costs of such work.

(f) If structural BMPs are to be owned by a property owners or homeowners association or similar entity, then the covenants applicable to such association shall clearly reference the obligations of the association, as owner of such BMPs, to fulfill the obligations of the owner relating to such BMPs as required by the provisions of this section, the permit issued pursuant thereto, and the provisions of the Operation and Maintenance Agreement.

(g) If a structural BMP is located within a subdivision, then the recorded plat of such subdivision shall include a reference to the book and page number where the Operation and Maintenance Agreement is recorded. **(AMENDED 6/26/12)**

(h) Where appropriate in the determination of the Administrator to assure compliance with this section, structural BMPs shall be posted with a conspicuous sign stating who is responsible for required maintenance and annual inspection. The sign shall be maintained so as to remain visible and legible. **(AMENDED 6/26/12)**

Section 15-264 Sedimentation and Erosion Control

(a) No zoning, special use, or conditional use permit may be issued and final plat approval for subdivisions may not be given with respect to any development that would cause land disturbing activity subject to the jurisdiction of the Orange County Erosion Control Officer or the North Carolina Sedimentation Control Commission unless such officer or agency has certified to the town; either that:

- (1) Any permit required by such officer or agency has been issued or any erosion control plan required by such officer or agency has been approved; or
- (2) Such officer or agency has examined the preliminary plans for the development and it reasonably appears that any required permit or erosion control plan can be approved upon submission by the developer of more detailed construction or design drawings. However, in this case, construction of the development may not begin (and no building permits

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

may be issued) until such officer or agency issues any required permit or approves any required erosion control plan.

(b) For purposes of this section, “land disturbing activity” means any use of the land by any person in residential, industrial, educational, institutional or commercial development, highway and road construction and maintenance that results in a change in the natural cover or topography and that may cause or contribute to sedimentation. Sedimentation occurs whenever solid particulate matter, mineral or organic, is transported by water, air, gravity, or ice from the site of its origin.

(c) The Orange County Erosion Control Officer is authorized by resolution of the Carrboro Board of Aldermen to enforce within the town the Orange County Soil Erosion and Sedimentation Control Ordinance. **(AMENDED 12/7/83)**

(d) **(REPEALED 12/7/83)**

Section 15-265 (REPEALED 3/24/09).**Section 15-266 Impervious Surface Limitations (AMENDED 12/7/83; 05/15/90)**

(a) Within a B-5 or WM-3 zoning district (the total area of which comprises less than one percent of the are of the University Lake Watershed and all of which is located more than one-half mile from the normal pool elevation of University Lake), not more than twenty-four percent (24%) of the land on any lot may be covered by an impervious surface such as a street, drive, sidewalk, parking lot, building, or other roofed structure, etc. In the event that the area of impervious surface is greater than six percent (6%) of the total lot, stormwater management techniques must be employed that would retain the first one inch of rainfall running off of all impervious surfaces on a lot. A registered engineer must certify that the stormwater techniques used will accomplish this objective before a permit is issued, and it shall be a continuing condition of the permit that the owner provide necessary maintenance so that the stormwater retention techniques continue to function effectively. Such stormwater retention techniques shall be subject to inspection by the Town at least annually. In granting the conditional use permit authorizing such facilities, the Board shall require the developer to post a cash bond or other sufficient security to guarantee that the developer or his successor shall adequately maintain such stormwater retention facilities so that such facilities will continue to operate as intended. **(AMENDED 07/06/93; 10/15/96)**

(b) Subject to subsections (c) and (d), within a C or WR zoning district the maximum impervious surface coverage permissible on any lot shall be as shown in the following Table of Impervious Surface Calculations, which establishes a sliding scale of permissible impervious surface coverage based on lot size. For purposes of applying the table, lot sizes shall be rounded to the nearest tenth of an acre. Lot sizes of less than 0.5 acres may not exceed 4200 square feet of impervious surface, and lot sizes in excess of five acres may not exceed an impervious surface area equal to 4% of the lot size. For purposes of this subsection,

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

impervious surface includes but is not limited to areas such as a street, driveway, sidewalk, parking lot, building, or other roofed or paved structure.

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

LOT SIZE		IMPERVIOUS SURFACE	
ACRES	SQUARE FOOTAGE	SQUARE FOOTAGE	PERCENTAGE
0.5	21,780	4,200	19.28
0.6	26,136	4,300	16.45
0.7	30,492	4,400	14.43
0.8	34,848	4,500	12.91
0.9	39,204	4,600	11.73
1.0	43,560	4,700	10.79
1.1	47,916	4,800	10.02
1.2	52,272	4,900	9.37
1.3	56,628	5,000	8.83
1.4	60,984	5,100	8.36
1.5	65,340	5,200	7.96
1.6	69,696	5,300	7.60
1.7	74,052	5,400	7.29
1.8	78,408	5,500	7.04
1.9	82,764	5,600	6.77
2.0	87,120	5,700	6.54
2.1	91,476	5,800	6.34
2.2	95,832	5,900	6.16
2.3	100,188	6,000	5.99
2.4	104,544	6,100	5.83
2.5	108,900	6,200	5.69
2.6	113,256	6,300	5.56
2.7	117,612	6,400	5.44
2.8	121,968	6,500	5.33
2.9	126,324	6,600	5.22
3.0	130,680	6,700	5.13
3.1	135,036	6,800	5.04
3.2	139,392	6,900	4.95
3.3	143,748	7,000	4.87
3.4	148,104	7,100	4.79
3.5	152,460	7,200	4.72
3.6	156,816	7,300	4.66
3.7	161,172	7,400	4.59
3.8	165,528	7,500	4.53
3.9	169,884	7,600	4.47
4.0	174,240	7,700	4.42
4.1	178,596	7,800	4.37
4.2	182,954	7,900	4.32
4.3	187,308	8,000	4.27
4.4	191,664	8,100	4.23
4.5	196,020	8,200	4.18
4.6	200,376	8,300	4.14
4.7	204,732	8,400	4.10
4.8	209,088	8,500	4.07
4.9	213,244	8,600	4.03
5.0	217,800	8,712	4.00

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

(c) If a tract is subdivided, then impervious surface shall be calculated as follows:

- (1) The area of each lot shown on a proposed final plat shall be calculated. For purposes of this calculation, all street right-of-way created as part of the subdivision shall be allocated to the adjoining lots by extending lot lines. If lots are created on either side of a proposed street, lot lines shall be extended to the centerline of the right-of-way.
- (2) Maximum impervious surface area for each lot shall be determined in accordance with subsections (a) or (b).
- (3) The sum total of impervious surface area permissible on the entire tract shall be determined by adding together the impervious surface area available to each lot as determined under subsections (a) or (b).
- (4) The impervious surface area within streets and other areas, (such as common areas) outside of individual lot boundaries shall be subtracted from the total area calculated pursuant to subsection (3).
- (5) Following the calculation set forth in subsection (4), the remaining permissible impervious surface area shall be allocated by the subdivide to each lot, subject to the applicable limitations set forth in this section, and subject to the further limitation that, with respect to a cluster subdivision, in no case may the overall impervious surface area allocation for the subdivided tract exceed 4% of the area of that tract. For purposes of this calculation, the area of each lot shall exclude street right-of-way. The allocation assigned to each lot shall be indicated on the face of the subdivision final plat, and purchasers of each lot shall be bound by such allocation.

(d) If a development is completed in phases or stages, the percentage restrictions set forth in this section shall apply to each separate phase or stage.

(e) All development within the JLWP that requires a sedimentation and erosion control plan under 15A NCAC 4 or the Orange County Sedimentation and Erosion Control Ordinance shall be subject to the following requirements:

- (1) Density and built-upon area shall be limited as follows:
 - a. For single family residential subdivisions, minimum lot sizes of 20,000 square feet or maximum of two dwelling units per acre; or
 - b. Twenty-four percent built-upon area for all other residential and non-residential development; or

Art. XVI. FLOOD DAMAGE PREVENTION, STORMWATER MANAGEMENT, AND WATERSHED PROTECTION

c. Three dwelling units per acre or thirty-six percent built-upon area for properties without curb and gutter systems.

(2) Stormwater runoff from such developments shall be transported by vegetated conveyances to the maximum extent practicable. **(AMENDED 10/15/96)**

(f) For purposes of this section, the term “built-upon area” means that portion of a development project that is covered by impervious or partially impervious cover, including buildings, pavement, gravel areas (e.g. roads, parking lots, paths), recreation facilities (e.g. tennis courts), etc. Wooden slatted decks and the water area of a swimming pool are considered pervious. **(AMENDED 10/15/96)**

Section 15-267 Additional Development Standards Within C and WR District

(AMENDED 11/11/86; 05/15/90)

(a) Buildings and other impervious surfaces within the C and WR zoning districts shall be located, to the extent reasonably possible, so as to (i) take full advantage of the assimilative capacity of the land and (ii) avoid areas described in subsection 15-198(e) and (f). **(AMENDED 09/05/95).**

(b) To avoid the creation of lots that will be difficult to build upon in a manner that complies with the standard set forth in subsection (a) and the impervious surface limitations set forth in Section 15-266, preliminary and final plats for the subdivision of land within the C and WR zoning districts shall show buildable area and approximate driveway locations for all lots within such subdivision. Thereafter, no zoning permit may be issued for construction of buildings or driveways outside the buildable areas so designated on the final plat unless the zoning administrator makes a written finding that the proposed location complies with the provisions of subsection (a) of this section as well as section 15-266.

Section 15-268 (REPEALED 3/24/09).