

**Executive Regulation
of
Town of Chevy Chase**

December 5, 2007

Subject: Final Regulation 2007-2; establishing contents of a water drainage plan and report; and establishing water drainage management measures.

Effective Date: This final regulation shall become effective on December 20, 2007.

Authority: Article IV of Chapter 2 of the Municipal Code (“Code”) of the Town of Chevy Chase (the “Town”) generally authorizes the Town to adopt regulations. In addition, Section 28-15 of the Code authorizes the Town to adopt Executive Regulations deemed proper to effectuate the purpose and intent of Chapter 28 of the Code concerning water drainage.

Legal Sufficiency: The Town Attorney has reviewed the final regulation for legal sufficiency on the 3rd day of December 2007.

TOWN OF CHEVY CHASE

David Podolsky, Town Attorney
Town of Chevy Chase

Summary: The final regulation would adopt new regulations to require an applicant to provide specified items for a water drainage plan and report, including items related to construction drawings. In addition, the final regulation would provide water drainage management measures.

Notice: On December 5, 2007, this final regulation was published in the Chevy Chase Register, and the Town Manager posted notice of this final regulation at the Town Hall in a conspicuous place and on the Town Website. The Town Manager has also provided that notice be published in the December edition of *The Forecast*. The notice at the Town Hall, on the Town Website, and in *The Forecast* state where a copy of the final regulation may be reviewed, indicate the topic of the regulation, and the effective date of the regulation.

Consideration of Comments: The proposed regulation was published in the Chevy Chase Register on September 5, 2007. Notice was provided as set forth in Sections 2-403

and 2-404 of the Code and the deadline for submitting comments to the proposed regulation was October 22, 2007. The comment is available for review at the Town Hall.

One comment was received for the proposed regulation, which indicated support for it. As a result, there are no modifications to text of the Executive Regulation below.

Approval. The Mayor has reviewed and approved publication of the following final regulation on the ____ day of December 2007.

TOWN OF CHEVY CHASE

Linna Barnes, Mayor
Town of Chevy Chase

Final Regulation. Under the authority set forth above, the Town promulgates the following executive regulations:

Chapter 28	Section 28.1	Purpose
	Section 28.2	Definitions
	Section 28.3	Reserved
	Section 28.4	Water Drainage Plan
	.01	Contents of a Water Drainage Plan and Report
	.02	Construction Drawings
	.03	Additional Water Drainage Plan and Report Items for Submission
	Section 28.5	Water Drainage Criteria, Methodologies, and Construction Specifications
	.01	Water Drainage Management Measures
	.02	Structural Water Drainage Management Measures
	.03	Nonstructural Water Drainage Management Measures
	.04	Alternative Water Drainage Management Measures

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Section 28.1 Purpose.

The purpose of this chapter shall be as set forth in section 28-1 of the Code and to provide additional guidance for the implementation of chapter 28 of the Code.

Section 28.2 Definitions.

The definitions set forth in section 28-2 of the Code shall have the same meaning under this chapter.

Section 28.3 Reserved.

Section 28.4 Water Drainage Plan.

.01 Contents of a Water Drainage Plan and Report. An applicant submitting a water drainage plan and report for approval shall submit the items contained under this section as set forth below.

.02 Construction Drawings. Construction drawings, submitted with an application for approval of a water drainage plan as set forth in section 28-4(b)(5)g. of the code, shall include the following:

- (a) a vicinity map;
- (b) a topography survey showing existing and proposed contours, including the area necessary to determine downstream analysis for proposed runoff flows and water drainage systems;
- (c) proposed improvements, including location of buildings or other structures, impervious surfaces, storm drainage facilities, and all grading;
- (d) the location of existing and proposed structures and utilities;
- (e) any easements and rights-of-way;
- (f) structural and construction details for all components of the proposed drainage system or systems; and
- (g) regardless of storm size, a clear overflow path, from post-construction impervious surfaces, that can pass and convey the excess flow off the property safely and with minimal damage to neighboring properties.

.03 Additional Water Drainage Plan and Report Items for Submission. As set forth in section 28-4(b)(5)i., the town engineer has determined that the following items are necessary when submitting a water drainage plan and report for approval:

- (a) all necessary construction specifications, including materials to be used;

- (b) the sequence of construction for all development activity and rough grading, clearing, de-compaction of soil, final grading of top soil and vegetative stabilization;
- (c) data for total site area, disturbed area, new impervious surface area, and total impervious area;
- (d) calculations of outflows in cubic feet per second from the property before construction and after the completion of construction;
- (e) a table of materials to be used for the water drainage system;
- (f) the location of impacted trees that are regulated under chapter 29 of the Code;
- (g) a certificate by the applicant that all water drainage management construction will be performed according to the approved water drainage plan;
- (h) an as-built certification signature block to be executed after project completion;
- (i) an estimate of water drainage management construction costs; and
- (j) a description of methods to protect adjacent and nearby properties and public rights-of-way in the vicinity of the subject property, from water drainage runoffs and to control outflows to the street.

Section 28.5 Water Drainage Criteria, Methodologies, and Construction Specifications.

.01 Water Drainage Management Measures. The structural and nonstructural water drainage management measures established as set forth below may be included in a water drainage plan.

.02 Structural Water Drainage Management Measures.

- (a) The following structural water drainage management practices may be used subject to the specifications of the design manual and approval by the town manager:
 - (1) infiltration systems;
 - (2) open channel systems; and
 - (3) enclosed storage devices.

- (b) The performance criteria specified in the design manual with regard to general feasibility, conveyance, and maintenance shall be considered when selecting structural water drainage management practices.

.03 Nonstructural Water Drainage Management Measures. The following nonstructural water drainage management practices may be included to minimize increases in runoff:

- (a) natural area conservation;
- (b) disconnection of rooftop runoff;
- (c) disconnection of non-rooftop runoff;
- (d) sheet flow to buffers;
- (e) grass channels (swales); and
- (f) environmentally sensitive development.

.04 Alternative Water Drainage Management Measures. Subject to the approval by the town manager, alternative water drainage management measures may be used for water drainage management if such measures meet design criteria established in this chapter and chapter 28 of the code.

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