



Capitol Region Watershed District

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CRWD Technical Standards for Rules--May 18, 2005

Rate Control

Rule Objective

Protect and maintain downstream drainage systems to provide permanent and safe conveyance of stormwater. Reduce the frequency and/or duration of potential downstream flooding.

Technical Criteria

Peak discharge rates for developments and redevelopments must be at or below existing rates for the 2, 10, and 100 year storm events.

Rule Threshold

All developments and redevelopments 1 acre and greater.

Volume Control

Rule Objective

Reduce the total volume of stormwater to protect surface water quality and provide recharge to groundwater.

Technical Criteria

Developments and redevelopments must reduce runoff volumes in the amount equivalent to an inch of runoff from the impervious areas of the site. Stormwater must be pretreated before discharging in infiltration areas to maintain the long-term viability of the infiltration area.

Rule Threshold

All developments and redevelopments 1 acre and greater.

Water Quality

Rule Objective

Remove sediment, pollutants, and nutrients from stormwater to protect surface water quality.

Technical Criteria

Developments and redevelopments must incorporate effective non-point source pollution reduction BMPs to achieve 90% solid removal. Credits will be given for the volume of water infiltrated.

Rule Threshold

All developments and redevelopments 1 acre and greater.

Flooding

Rule Objective

Provide for the long-term function of floodplains to provide stormwater storage while protecting property.

Technical Criteria

A structure's lowest floor elevation must be 2 feet above the 100 year high water level of adjacent ponds and water bodies.

Placement of fill within the 100-yr floodplain is prohibited, unless compensatory storage is provided.

Rule Threshold

All developments, redevelopments or grading that disturb greater than 1,000 square feet of land within a district floodplain.

Wetland Management

Rule Objective

CRWD has very few wetlands remaining. The objective of the wetland rule is to provide protection to a greater level than the Wetland Conservation Act for the few remaining wetlands

Technical Criteria

Wetlands shall not be drained, filled wholly or in part, excavated, or have sustaining hydrology impacted such that there will be a decrease in the inherent (existing) functions and values of the wetland. Wetland impacts will be evaluated based on the following principles in descending order of priority. Avoid the impact to the wetland, minimize the impact to the wetland, replace the wetland that was impacted. Wetland impacts will be governed by a Rule comparable to the Wetland Conservation Act, with the following exceptions:

1. The de minimis size will be zero.
2. Flexibility Sequencing will not be allowed.
3. Public Value Credits can not be used for replacement.

A 25-foot buffer of permanent nonimpacted vegetative ground cover abutting and surrounding a wetland is required.

Rule Threshold

This rule will apply to all wetlands in the CRWD's Wetland Inventory.

Erosion Control

Rule Objective

Prevent the export of sediment off site, which impacts surface water quality.

Technical Criteria

Erosion Control Plans must adhere to the MPCA Protecting Water Quality in Urban Areas Manual.

Rule Threshold

All developments and redevelopments 1 acre and greater.

All developments and redevelopments adjacent to water resources of the district that disturb greater than 1,000 square feet of land.