



City of Columbia
Public Works Department
 Departmental Guideline

Subject Policy for Stormwater Detention on Small Sites Upstream of Critical Areas

Applicable Management Practice Stormwater Management and Water Quality Manual,
 Figure 6.8.1 Stormwater Management in Redevelopment

Purpose: To establish consistent guidelines for provision of detention in redevelopment projects on small sites upstream of Critical Areas.

1. detention must be provided for any new impervious surface, and
2. detention must be provided for ¼ of the existing impervious surface with an additional ¼ at each subsequent redevelopment until the entire impervious surface of the site has detention.

However,

detention for existing impervious surface will be waived if the developer reduces imperviousness by 10%. At such time as it is no longer possible to reduce imperviousness by 10%, the developer must begin providing detention for ¼ of the impervious surface on site until, at the end of 4 redevelopment cycles, the entire impervious surface of the site has detention.

For detention calculations, the pre- condition must be represented by CN = 78 or lower and time of concentration represented by sheet flow over a surface with n-factor of 0.15 or greater, the average slope of the site, and the length of the site in the downstream direction (not to exceed 100 feet).

Effective Date:

May 6, 2014

Approved by:

John D. Glascock

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Director

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