

## **ENB-4.01 - Stormwater Management Manual**

### **STORMWATER MANAGEMENT MANUAL**

**August 2008**

*Administrative Rule Adopted by Bureau of Environmental Services Pursuant to Rule-Making Authority*

ARB-ENB-4.01

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[The text of the entire manual is available in PDF format.](#) What follows is an excerpt from Chapter 1 of the manual:

#### **1.1 PURPOSE OF THE STORMWATER MANAGEMENT MANUAL**

As the City of Portland is developed, impervious surfaces create increased amounts of stormwater runoff during rainfall events, disrupting the natural hydrologic cycle. Without stormwater management, these conditions erode stream channels and prevent groundwater recharge. Parking lots, roadways, rooftops, and other impervious surfaces increase the pollution levels and temperature of stormwater that is transported to streams, rivers, and groundwater resources. Implementing the requirements in this manual will help protect Portland's water resources, which in turn will provide great benefit to human health, fish and wildlife habitat, recreational resources, and drinking water.

Stormwater management is also critical in terms of protecting Portland's sanitary and stormwater infrastructure. Increased runoff contributes to combined sewer overflows (CSOs) and basement sewer backups. Implementing onsite infiltration and flow control measures will conserve the existing and future conveyance capacity of storm sewers and combined sewers.

Strategies for meeting the requirements in this manual depend on a number of site factors, including infiltration capacity, available infrastructure, proposed development plans, and the drainage basin the proposed development is in. The applicant's ability to effectively use the design standards in this manual depends on a demonstrated understanding of the development site's ecology and of the upstream and downstream impacts resulting from stormwater management improvements. The standards addressed in this manual are intended to make site-specific improvements to properties across the City and to comprehensively manage stormwater by watershed.

Stormwater management is critical to maintaining and enhancing the City's livability and improving watershed health. The *Stormwater Management Manual* allows the City of Portland to protect both watershed resources and infrastructure investments with every land improvement. As each development and redevelopment project meets the requirements of this manual, it will contribute to achieving these important citywide goals.

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#### **2008 Stormwater Management Manual - PDF Files**

The [Manual](#) is in PDF format. If you don't have Adobe Acrobat Reader, you can [download the latest version](#) for free.

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#### **HISTORY**

Adopted July 1, 1999 by Bureau of Environmental Services. Revised September 1, 2002.

Filed for inclusion in PPD May 14, 2003.

Revised September 1, 2004. Revision filed for inclusion in PPD September 29, 2004.

Greenstreet Details interim administrative rule adopted by Director of Bureau of Environmental Services and filed for inclusion in PPD August 10, 2007.

Revised administrative rule adopted by Director of Bureau of Environmental Services August 1, 2008. Revision filed for inclusion in PPD October 13, 2010.