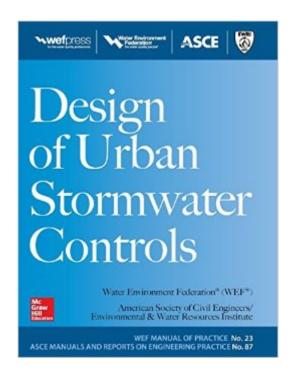
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Design Of Urban Stormwater Controls, MOP 23 (Water Resources And Environmental Engineering Series)





Synopsis

Innovative Techniques for Designing Urban Stormwater Controls Fully updated to address the paradigm shift in the way stormwater is viewed and managed, Design of Urban Stormwater Controls focuses on consolidating technologies to foster a convergence between traditional stormwater controls and green infrastructure. This authoritative resource explains how systems of stormwater controls can be designed to meet multidisciplinary objectives, including flood control; stream channel protection; groundwater recharge; water quality improvement; protection of public safety, health, and welfare; and multipurpose public benefits. Coverage includes: Urban stormwater management overview Effects of stormwater on receiving waters Performance goals for stormwater controls Unit processes and operations for stormwater control Selection criteria and design considerations Swales and strips Basins Filters and infiltrators Gross pollutant traps and mechanical operations Maintenance of stormwater controls Whole life cost of stormwater controls Performance assessment Analytical tools for simulation of stormwater controls

Book Information

Series: Water Resources and Environmental Engineering Series (Book 23)

Hardcover: 768 pages

Publisher: McGraw-Hill Education; 2 edition (May 29, 2012)

Language: English

ISBN-10: 0071704442

ISBN-13: 978-0071704441

Product Dimensions: 7.6 x 1.5 x 9.5 inches

Shipping Weight: 3.2 pounds (View shipping rates and policies)

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