



Stormwater Design for Sustainable Development

Ronald RossMiller

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MANAGE STORMWATER RUNOFF THROUGH SUSTAINABLE DESIGN AND DEVELOPMENT

Stormwater Design for Sustainable Development presents an integrated approach to controlling stormwater runoff quantity and quality. With a focus on low-impact development, the book describes how to incorporate existing topography and drainage channels, curvilinear street layout, building locations, utilities, and proven best management practices, blending them all into a pleasing whole.

The results, as shown by designs and calculations in several appendices, are developments for various land uses that are attractive, safe, affordable, sustainable, and economical to construct and maintain. They allow developers to use 100 percent of the sites for profitable construction, leading to developments that are community assets.

This practical guide explains how to determine allowable water depths; develop inflow hydrographs for various components of a development; estimate storage volumes for above, surface, and underground locations; calculate outflow structure hydraulics for numerous types of facilities; and calculate routing curves and hydrograph routing. Real-world examples, calculations, and design plans are contained in this valuable resource.

COVERAGE INCLUDES:

- Low-impact developments
- Triple bottom line (people, planet, profit)
- Coving and curvilinear streets
- Planning
- Types of best management practices
- Precipitation
- Drainage area estimation
- Time of concentration estimation
- Design steps
- Allowable depths
- Depth-storage relationships
- Inflow hydrographs
- Basic hydraulics
- Culvert hydraulics
- Riser structure design
- Hydrograph routing
- Several design examples



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Edward Florez:

The book untitled Stormwater Design for Sustainable Development is the book that recommended to you to learn. You can see the quality of the publication content that will be shown to you actually. The language that author use to explained their ideas are easily to understand. The author was did a lot of analysis when write the book, to ensure the information that they share to your account is absolutely accurate. You also could get the e-book of Stormwater Design for Sustainable Development from the publisher to make you considerably more enjoy free time.

Karen Martinez:

In this era which is the greater man or who has ability in doing something more are more important than other. Do you want to become one of it? It is just simple approach to have that. What you should do is just spending your time not much but quite enough to enjoy a look at some books. One of the books in the top checklist in your reading list is Stormwater Design for Sustainable Development. This book that is qualified as The Hungry Mountains can get you closer in becoming precious person. By looking up and review this reserve you can get many advantages.

Susan Demar:

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Della Ferguson:

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