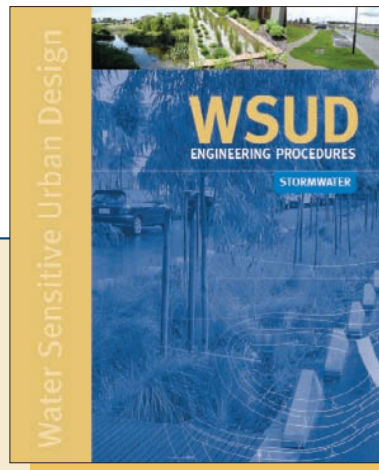


WSUD

ENGINEERING PROCEDURES

STORMWATER



Melbourne Water

Managing the urban water cycle needs to be underpinned by key sustainability principles of water consumption, water recycling, waste minimisation and environmental protection. The integration of urban water cycle management with urban planning and design is known as Water Sensitive Urban Design (WSUD).

One of the key elements of WSUD is the management of urban stormwater, both as a resource and for the protection of receiving water ecosystems. This requires strategic planning and concept designs that are underpinned by sound engineering practices in design and construction.

WSUD Engineering Procedures: Stormwater is designed to give practical engineering solutions to all those who need to implement WSUD guidelines.

READERSHIP

Planners, urban designers, landscape architects and environmental scientists, engineers, as well as referral agencies who assess Water Sensitive Urban Designs and local government who are responsible for the maintenance of the systems.

THE BOOK COVERS:

- Sediment basins
- Bioretention swales
- Bioretention basins
- Sand filters
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- Constructed wetlands
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For each of these areas the manual provides design and maintenance procedures, typical drawings, design checklists, landscape requirements, worked examples and case studies. Additional work sheets and appendices are provided on a CD-ROM which accompanies the manual.

May 2005 • CSIRO PUBLISHING • 368 pp • Paperback and CD • Colour illustrations • 0643090924 • \$99.00

ALSO AVAILABLE

Urban Stormwater Best-Practice Environmental Management Guidelines

Victorian Stormwater Committee

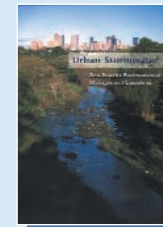
Urban Stormwater – Best-Practice Environmental Management Guidelines resulted from a collaboration between State government agencies, local government and leading research institutions. The guidelines have been designed to meet the needs of people involved in the planning, design or management of urban land uses or stormwater drainage systems. They provide guidance in ten key areas: Environmental performance objectives, Stormwater management planning, Land use planning, Water sensitive urban design, Construction site management, Business surveys, Education and awareness, Enforcement, Structural treatment measures, Flow management

Engineers and planners within local government, along with consultants to the development industry, should find the guidelines especially useful. Government agencies should also find them helpful in assessing the performance of stormwater managers.

While developed specifically for application in Victoria, Australia, the information will be of value to stormwater managers everywhere.

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John Randolph

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