

Green infrastructure and water sensitive urban design for new developments

Learning outcomes

- An awareness of the benefits of green infrastructure and WSUD
- An understanding of green infrastructure and WSUD solutions that meet the performance objectives and deemed-to-satisfy solutions within the draft Code
- An ability to apply the InSite Water (self-certification) online stormwater assessment tool for small-scale residential and commercial developments.

Audience

- Policy and development assessment planners,
- development assessment engineers,
- consulting industry representatives who service the small-scale development industry.

Modules

01 – Introduction

- Benefits of GI and WSUD
- Urbanisation and changes to catchment hydrology

02 – GI and WSUD elements and when to apply them

- Rainwater harvesting and use
- Greywater systems
- Permeable and porous paving
- Infiltration systems, including deemed-to-satisfy solutions
- Vegetated swales and buffer strips
- Raingardens
- Green roofs and walls

03 – Code policies and deemed-to-satisfy (DTS) solutions

- Residential
 - DTS solutions, 4 allotments or less
 - 5-19 allotments
 - > 20 allotments
- Commercial developments

04 – Case studies

- Minor infill
- Major infill and greenfield
- Commercial developments

05 – Alternative housing designs

- Infill typologies catalogue
- Salisbury Terrace house/North Melbourne house
- Mixed townhouse and apartment development

06 – InSite Water Tool

- Worked example of application of the tool to a small-scale residential development, 2 allotments subdivided into 8

07 – Resources

- Guideline/resources summary sheet (all relevant website links)

Presenters/trainers

Mellissa Bradley, Water Sensitive SA

Core competencies attained

- Understanding of the range of WSUD assets available to meet planning performance criteria and when they should be applied for small-scale residential and commercial developments
- Ability to apply Insite Water tool, for third party approvals for stormwater management (Planning approvals)

Cost

Price on application

Contact us

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