

## Construction of WSUD assets

### Learning objective

The training will assist participants to improve the quality and success of WSUD assets to function as per their design, providing stormwater quality benefits, reductions in run-off to the drainage system and better integration with other stormwater assets.

### Audience

Those involved in the design, construction and establishment of WSUD assets, including site supervisors, compliance officers, civil and landscape contractors, and civil engineers and urban design/landscape consultants.

### Modules

#### 01 – Introduction

- Assessment of WSUD asset condition
- Maintenance plans and checklists

#### 02 – Site inspections

- Work through checklists/audit forms on site
- Inspect and discuss critical construction sequence and tasks at each site

#### 03 – Bioretention construction

- principles of operation/function
- construction sequence
- critical hold points
- filter media specs (and sourcing)
- tolerances
- construction sign-off forms

#### 04 – Wetland construction

- principles of
- tolerances
- construction sign-off forms

#### 05 – Plant requirements

- procurement and supply (timing)
- inspection before planting
- planting and establishment
- irrigation/netting/weeding

#### 06 – Infiltration systems (incl. porous pavements)

- construction sequence
- critical steps
- sign-off forms

#### 07 – GPT construction

- range of GPTs
- construction sequence

#### 08 – Overview of handouts: Checklists

### Learning resources

- Contract construction sign off form templates, with hold points for critical inspection tasks)

### Presenters/trainers

Robin Allison, DesignFlow  
Jason Sonneman, DesignFlow

### Core competencies attained

- An understanding of the basic concepts of WSUD and integrated water management
- An understanding of asset function and key components.
- Awareness of the key issues and risks for consideration when constructing and establishing WSUD assets.
- Appreciation of the importance of construction phase sediment and erosion control practices, and relationship with asset operational phase
- An understanding of specifications and materials (i.e. bioretention filter media).
- An understating of construction methods and approaches for WSUD assets.
- An understanding of the requirements for successful vegetation establishment.
- An understanding of the issues associated with asset handover.

### Cost

Price on application

---

### Contact us

admin@watersensitivesa.com  
www.watersensitivesa.com

Water Sensitive SA  
PO Box 351, Uraidla SA 5142