



8150 Bioretention Systems

REVISION 23/11/12

8150.1 Introduction

This supplementary specification refers to the supply and installation of bioretention systems as detailed on the project Drawings.

8150.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 *“Introduction to Specifications”*;
- MRTS01 *“Introduction to Technical Specifications”*;
- MRS03 and MRTS03 *“Drainage, Retaining Structures and Embankment Slope Protections”*;
- MRC Supplementary Specification 8300 *“Landscaping and Horticultural Treatment”*;
- MRC Supplementary Specification 8317 *“Landscaping and Horticultural Treatment Maintenance Period”*; and
- the project Drawings

8150.3 Description of Work Items

The following work items are covered by this supplementary specification:

Task Item No.	Description	Unit of Measurement
8150	Supply and placement of Filter Media material to bioretention system	m3
8151	Supply and placement of Transition Layer material	m3
8152	Supply and placement of Drainage Layer material	m3
8153	Supply and placement of Impermeable Liner	m2
8154	Supply and installation of planting to bioretention system	m2
8155	Supply and installation of infiltration cells	lump sum
8156	Supply and installation of roofwater soakage pit	each

8150.4 Work Operations

Work operations incorporated in this item will include:

- a) Work operations included in Clause 2.1.5 of MRS01 *“Introduction to Standard Specifications”*;



- b) Supply of all materials;
- c) Excavation, as required;
- d) Utilising or disposing of surplus excavated material; and
- e) Carrying out all works to allow the installation of the bioretention system(s) and materials, as specified on the project Drawings.

8150.5 Measurement and Payment

Provision for these works shall be deemed to be included in the scheduled rate for each of the items shown in Clause 8150.3 of this supplementary specification.