

Main Roads Specification

MRS16D

Hardscape Works

SUPERSEDED

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FEEDBACK

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1 INTRODUCTION

This Specification applies to landscape and revegetation hardscape work operations associated with road construction. This Specification shall be read in conjunction with MRS16 *General Requirements – Landscape and Revegetation Works*, and Annexure MRS16D.1.

The Specification shall be read in conjunction with MRS01 *Introduction to Specifications* and other Specifications as appropriate.

This Specification forms part of the Main Roads Specifications and Technical Standards Manual.

2 MEASUREMENT OF WORK

2.1 Standard Work Items

In accordance with the provisions of Clause 2 of MRS01 *Introduction to Specifications*, the standard work items covered by this Specification are listed in Table 2.1.

Table 2.1 – Standard Work Items

Standard Work Item No.	Landscape and Revegetation Works Description	Unit of Measurement
	PLANTING BED EDGING	
3744	Timber planting bed edging.	m
3745	Concrete planting bed edging.	m
3746	Unit paver planting bed edging.	m
3747	Rock planting bed edging.	m
	IRRIGATION SYSTEM	
3766	Irrigation system, design.	lump sum
3767	Irrigation system, supply and installation.	lump sum
3768	Irrigation system, commissioning.	lump sum

2.2 Work Operations

2.2.1 Planting Bed Edging

Item 3744 Timber planting bed edging.

Item 3745 Concrete planting bed edging.

Item 3746 Unit paver planting bed edging.

Item 3747 Rock planting bed edging.

Work operations incorporated in the above items include –

- Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- surface preparation;
- construction of planting bed edging; and
- protection of planting bed edging.

2.2.2 Irrigation Systems

Item 3766 Irrigation system, design.

Work operations incorporated in the above item include –

- Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;

- b) Design of the irrigation system;
- c) submission of Drawings and Specifications;
- d) certification of the design; and
- e) provision of design warranties.

Item 3767 Irrigation system, supply and installation.

Work operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Supply of all materials;
- c) installation of all materials; and
- d) connection to electricity and water supply, where shown on the Drawings.

Item 3768 Irrigation system, commissioning.

Work operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Testing of the system;
- c) balancing of all water outlets and line pressures;
- d) setting of timing requirements;
- e) proving the operational performance of the system including maintenance until the end of the Monitoring Period;
- f) training the nominated Principal's representatives in operation of the system;
- g) provision of As Constructed Drawings;
- h) provision of operating manual; and
- i) provision of construction warranties.