

Main Roads Specification

MRS16C

Vegetation Works

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Vegetation Works

1 INTRODUCTION

This Specification applies to landscape and revegetation vegetation work operations associated with road construction. This Specification shall be read in conjunction with MRTS16 *General Requirements* and Annexure MRTS16C.1.

This Specification shall be read in conjunction with Specifications MRTS01 *Introduction to Specifications*, MRTS50 *Specific Quality System Requirements* 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 MRTS01 *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	Clause Reference
INPUT CONTROLLED SEEDING			
3771	Harvesting of native seed	lump sum	8
3772	Hydromulching - single pass [<i>native seed mix grass seed mix</i>]	m ²	8
3773	Hydromulching - double pass [<i>native seed mix grass seed mix</i>]	m ²	8
3774	Straw mulching [<i>native seed mix grass seed mix</i>]	m ²	8
3775	Drill seeding [<i>native seed mix grass seed mix</i>]	m ²	8
3776	Mechanical broadcast [<i>native seed mix grass seed mix</i>]	m ²	8
3777	Manual broadcast [<i>native seed mix grass seed mix</i>]	m ²	8
PERFORMANCE BASED SEEDING			
3779	Sample installation	m ²	9
TURFING			
3782	Turf [<i>type</i>]	m ²	10
3783	Reinforced Turf [<i>type</i>]	m ²	10
PLANTING OF CONTAINER AND EXGROUND STOCK			
3787	Planting [<i>viro-cell viro-tube ½ native tube (50 x 50 x75 mm) full native tube stock (50 x 50 x 120 mm) 140 mm container 300 mm container 25 litre container 45 litre container 75 litre container 100 litre container 200 litre container</i>]	container	11
3788	Planting ex-ground stock [<i>container size</i>]	container	11
3789	Harvesting and planting of site plant material [<i>plant unit container size</i>]	each	11
3790	site plant material [<i>plant unit</i>]	each	11
3791	Potting on	container	11

2.2 Work Operations

2.2.1 Input Controlled Seeding

Item 3771 Harvesting of native seed.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*; and
- b) The harvesting of native seed.

Item 3772 Hydromulching or hydroseeding single pass [*native seed mix | grass seed mix*].

Item 3773 Hydromulching – double pass [*native seed mix | grass seed mix*].

Item 3774 Straw mulching [*native seed mix | grass seed mix*].

Work Operations incorporated in 3772 – 3774 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*; and
- b) The watering of any prepared surface prior to application of seeding materials.

Item 3775 Drill seeding [*native seed mix | grass seed mix*].

Item 3776 Mechanical broadcast [*native seed mix | grass seed mix*].

Item 3777 Manual broadcast [*native seed mix | grass seed mix*].

Work Operations incorporated in 3775 – 3777 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*; and
- b) The covering of seed with planting media.

Work Operations incorporated in 3771 – 3777 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) the preparation of a seed supply proposal;
- c) pre-treatment of seed where specified in the SSP;
- d) inoculation of seed where specified in the SSP;
- e) insecticidal treatment of seed where specified in the SSP;
- f) the supply, incorporation and mixing of materials; and
- g) application of the materials.

2.2.2 Performance Based Seeding

Item 3779 Sample installation.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Preparation and installation of a sample seeded area.

2.2.3 Turfing

Item 3782 Turf [*type*].

Item 3783 Reinforced Turf [*type*].

The pegging of turf.

Work operations incorporated in 3782 – 3783 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) supply of materials;
- c) application of fertiliser; and
- d) laying of turf.

2.2.4 Planting of Container and Exground Stock

Item 3787 Planting [*viro-cell* | *viro-tube* | $\frac{1}{2}$ *native tube (50 x 50 x 75 mm)* | *full native tube stock (50 x 50 x 120 mm)* | *140 mm container* | *300 mm container* | *25 litre container* | *45 litre container* | *75 litre container* | *100 litre container* | *200 litre container*].

Item 3788 Planting ex-ground stock [container size].

Work operations incorporated in 3787 – 3788 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) coordination with plant supply nursery;
- c) installation of sub-soil drain (where shown on the drawings);
- d) staking and tying (where shown on the drawings);
- e) marker staking (where shown on the drawings); and
- f) guying plants (where shown on the drawings).

Item 3789 Harvesting and planting of site plant material [*plant unit* | *container size*].

Work operations incorporated in the above item include –

- a) harvesting of site plant material;
- b) containerising, storing and maintenance of plant stock until planting (where required); and
- c) planting of site harvested plant material.

Item 3791 Potting on.

Work operations incorporated in the above item include –

- a) potting on container stock; and
- b) storing and maintenance of plant stock until planting

Work operations incorporated in 3787 – 3791 include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) preparation of a plant supply proposal;
- c) supply of materials;
- d) installation of plants;
- e) fertiliser application; and
- f) incorporation of other soil amelioration agents.

3 PAYMENT

There shall be no separate payment for the following –

3.1 Seeding Supply Proposal

No separate payment shall be made for the preparation of the Seeding Supply Proposal. Payment is included in the relevant seeding work item (refer MRTS16C Clause 7.2.1);

3.2 Seeding – Method of Payment

Payments for seeding work items shall be made progressively as areas to be seeded are completed. Payment shall be made at the tendered rate per square metre. Apart from the sample installation, no separate payment shall be made for performance based seeding operations. Payment for seeding is deemed to be included in Item 3798 Landscape and Revegetation (LR) Monitoring Period – Performance Based. Refer to MRTS16E *Establishment and Monitoring*.

3.3 *Sample Installation – Method of Payment*

No separate payment shall be made for subsequent sample installation(s) where required. (refer MRTS16C Clause 8.3.3).

Payment for the preparation and installation of the sample installation shall be made under Item 3779 at the tendered rate per square metre.

3.4 *Plant Supply Proposal*

No separate payment shall be made for the preparation of the Plant Supply Proposal. Payment is included in the relevant planting work item (refer MRTS16C Clause 10.2.1).

3.5 *Potting On*

No additional payment shall be made for the potting on process. Payment for planting shall be made at the container size originally specified.