

# Master Specification

## Part PR-LS-M2

### Maintenance of Hydroseeded and Direct Seeded Areas

September 2024



**Government of South Australia**  
Department for Infrastructure  
and Transport

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## Document Information

Document Information	
K Net Number:	14278137
Document Version:	1
Document Date:	30/09/2024

## Document Amendment Record

Version	Change Description	Date
0	Initial issue	31/08/2023
1	Updated cover page	30/09/2024

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# PR-LS-M2 Maintenance of Hydroseeded and Direct Seeded Areas

## 1 General

- a) This Master Specification Part specifies the requirements for the maintenance of hydroseeded and direct seeded areas, including:
  - i) the documentation requirements, as set out in section 2;
  - ii) the weed control requirements, as set out in section 3;
  - iii) the pest and disease control requirements, as set out in section 4;
  - iv) the grass slashing requirements, as set out in section 5;
  - v) the repair requirements, as set out in section 6; and
  - vi) the Hold Point requirements, as set out in section 7.
- b) This Master Specification Part does not apply to the maintenance of lawn and turf (refer to PR-LS-M3 "Maintenance of Lawns").
- c) The Contractor must maintain the hydroseeded and direct seeded areas in accordance with this Master Specification Part for the duration of the Landscape Maintenance Period, including:
  - i) the continued care of the hydroseeded and direct seeded areas within the area of the Site to promote healthy and vigorous growth by implementing Best Industry Practice relevant to horticulture activities;
  - ii) rectifying any Non-Conformances that become apparent in the works under normal conditions and according to the season; and
  - iii) ensuring that at the end of the Landscape Maintenance Period, hydroseeded and direct seeded areas have a healthy continuous cover of the plant species listed in the Design Documentation notwithstanding adverse weather conditions at the time.
- d) The requirements in this Master Specification Part set out the maintenance works to be performed by the Contractor, as appropriate for seasonal weather conditions.
- e) The Contractor must submit a program of works nominating when maintenance treatments are considered necessary, including re-seeding and re-work, weed control, brush cutting and slashing, watering, pest and disease control. The Contractor must submit the program of works to the Principal as part of the Construction Documentation prior to commencing the works.
- f) The Contractor must ensure that, where required under the *Controlled Substances Act 1984* (SA), and the *Controlled Substances (Pesticides) Regulations 2017* (SA), workers undertaking pest control work must hold a current Pest Management Technician's License. The Contractor must provide evidence of the Pest Management Technician's Licenses prior to commencement of a spraying program, as part of the Quality Management Records.

## 2 Documentation

### 2.1 Construction Documentation

In addition to the requirements of PC-CN3 "Construction Management", the Construction Documentation must include:

- a) the program of works, in accordance with section 1e); and
- b) the schedule set out in Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule, in accordance with section 3e) and 4d).

## 2.2 Quality Management Records

In addition to the requirements of PC-QA1 “Quality Management Requirements” or PC-QA2 “Quality Management Requirements for Major Projects” (as applicable), the Quality Management Records must include current Pest Management Technician’s Licenses, in accordance with section 1f).

## 3 Weed control

- a) Hydroseeded and direct seeded areas must be kept free of weeds.
- b) When the spot spray method of weed control is used:
  - i) spot spraying, involving the controlled application of suitable systemic, knock-down, or selective herbicide to a target plant, must only be carried out where there is very low risk of non-target damage;
  - ii) Roundup Biactive (or equivalent) must be used where knockdown systemic herbicides are required around wetlands and waterways;
  - iii) herbicides must be used according to the manufacturer's recommended rates and any off-target damage must be rectified by the Contractor;
  - iv) spraying must not be carried out in windy conditions to avoid spray drift;
  - v) spray must not be applied to adjacent non-target plants;
  - vi) a herbicide marker dye must be added to the spray mix; and
  - vii) spray shrouds must be used.
- c) When the boom spray method of weed control is used:
  - i) boom spraying, involving the application of suitable systemic, knock-down or selective herbicide to a broad acre area, must only be carried out where there is very low risk of non-target damage;
  - ii) Roundup Biactive (or equivalent) must be used where knockdown systemic herbicides are required around wetlands and waterways;
  - iii) the herbicide must be used according to the manufacturer's recommended rates and any off-target damage must be rectified by the Contractor; and
  - iv) spraying must not be carried out in windy conditions to avoid spray drift.
- d) When the slashing and brushcutting method of weed control is used:
  - i) broad acre slashing of weeds must only be used where there is very low risk of non-target damage and where the Contractor has determined it is required as part of the maintenance regime;
  - ii) brushcutting may be implemented where slashing machinery cannot access or to minimise non-target damage;
  - iii) trash build up must be removed prior to herbicide spraying; and
  - iv) any off-target damage must be rectified by the Contractor.
- e) The Contractor must recommend the preferred methods of weed control for the specific areas of the Site, including targeted weed species and details of the chemicals and application rates, and submit these details to the Principal in the schedule set out in Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule as part of the Construction Documentation, along with the program of works required by section 1e).
- f) Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule must be updated by the Contractor and submitted to the Principal when any items on the schedule are changed during the Landscape Maintenance Period.

## 4 Pest and disease control

- a) The Contractor must ensure that pests and diseases are controlled within the hydroseeded and direct seeded areas of the Site by means of appropriate treatment for the duration of the Landscape Maintenance Period.
- b) All chemicals used for pest and disease control must be used in accordance with the manufacturer's recommendations and must be submitted to the Principal in the schedule required by section 4d).
- c) The Contractor must avoid off-target damage and rectify any off-target damage that occurs.
- d) The Contractor must recommend the preferred methods of pest and disease control for the specific areas of the Site, and chemicals and application rates to be used, and submit these details to the Principal in the schedule set out in Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule as part of the Construction Documentation, along with the program of works required by section 1e).
- e) Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule must be updated by the Contractor when any items on the schedule are changed during the Landscape Maintenance Period.

## 5 Grass slashing

- a) Prior to each slashing event the Contractor must remove and dispose of all litter and rubbish from the areas to be slashed.
- b) Grass slashing must be undertaken by the Contractor when the grass height reaches 200 mm or as directed by the Principal.
- c) All grass slashing events must reduce the grass to 100 mm in height.
- d) A minimum of 6 grass slashing events must be undertaken by the Contractor per year.
- e) One grass slashing event must be undertaken by the Contractor in early summer or prior to the commencement of the bushfire season (as declared by the SA Country Fire Service (CFS)) to reduce fire fuel loads.

## 6 Repairs

- a) Where hydroseeded and direct seeded areas within the area of the Site have become damaged, defective or have died as a result of the Contractor's operations, the area must be:
  - i) re-seeded by the Contractor as soon as practicable with the same seed mix; and
  - ii) established to healthy vigorous growth.
- b) Where hydroseeded and direct seeded areas within the area of the Site have become damaged, defective or have died as a result of vandalism:
  - i) the Contractor must seek approval from the Principal to repair the hydroseeded and direct seeded area, which will constitute a **Hold Point**. Repairs to hydroseeded and direct seeded areas impacted by vandalism must not commence until this Hold Point has been released;
  - ii) the areas must be re-seeded by the Contractor as soon as practicable after the Hold Point has been released with the same seed mix; and
  - iii) the areas must be established to healthy vigorous growth.
- c) All repairs required under sections 6a) and 6b) must be carried out in accordance with PR-LS-C6 "Hydroseeding and Direct Seeding".

## 7 Hold Points

Table PR-LS-M2 7-1 details the review period or notification period, and type (documentation or construction quality) for each Hold Point referred to in this Master Specification Part.

**Table PR-LS-M2 7-1 Hold Points**

<b>Section reference</b>	<b>Hold Point</b>	<b>Documentation or construction quality</b>	<b>Review period or notification period</b>
6b)i)	Approval for repairs to hydroseeded and direct seeded areas as a result of vandalism	Documentation	5 Business Days review

## 8 Appendix 1: Maintenance of hydroseeded and direct seeded areas schedule

METHOD:

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HERBICIDE DETAILS:

DESCRIPTION	APPLICATION RATE	
Chemicals to be used for broadleaf weeds	Rate per litre	
Chemicals to be used for foliar spray	Rate per litre	
Chemicals to be used for herbaceous weed control, if applicable	Rate per litre water	Litres per hectare

PESTICIDE DETAILS:

DESCRIPTION (Chemicals to be used for pest and disease control)	APPLICATION RATE per litre

.....  
Contractor's signature

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Date