

**PART L20**  
**HYDROSEEDING**

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**1. GENERAL**

- .1 This Part specifies the requirements for the supply and application of seed mixture where hydroseeding is specified.

**2. SUPPLY OF SEED**

- .1 The Contractor shall use the following seed supplies:
  - (a) **Non-Native Seed:** Seed shall comply with the requirements shown in the Seed Species Schedule and shall be pre-packed and commercially prepared. Seed bags shall be marked to show species, weight and supplier's name.  
A certificate of germination shall be provided (upon request) to the Principal before sowing, identifying seed species and germination viability.  
The Contractor shall ensure the seed shall be pre-treated prior to sowing.
  - (b) **Native Seed:** Seed shall comply with the requirements shown in the Seed Species Schedule and shall be packaged in individual sealed bags for each species. Seed bags shall be marked to show species, weight and provenance.  
The Contractor shall ensure the seed shall be pre-treated prior to sowing.  
The plant materials shall be obtained from local sources, with a general limit of 10 km radius around the project site. The Contractor shall supply written verification of the provenance of all plant materials from the supplier, including map and/or GPS co-ordinates for each species on the Mixture Schedule provided by the Principal.  
Plant materials of other sources may only be used if the Contractor can demonstrate that local provenance material is not available, in which case it shall be from the nearest source practicable. The use of non-local provenance material shall be subject to prior approval on a species by species basis.

**3. WEED CONTROL**

- .1 Before seeding commences, the areas to be seeded shall be eradicated of weeds and any existing vegetative growth (excluding native vegetation) shall be slashed to a height of 150 mm. Trash build-up and cut material shall be removed from the area prior to spraying with a knockdown herbicide (Roundup) incorporating a herbicide marker. Roundup Biactive shall be used around wetlands and waterways. The herbicide shall be used according to the manufacturer's recommended rates and any off-target damage shall be rectified by the Contractor.

**4. SETTING OUT**

- .1 Prior to commencing work on site, the Contractor shall set out the location of hydroseeded areas in accordance with the Drawings. Hydroseeded areas shall be set out in accordance with the DPTI Roadside Clear Zones and Sight Line Guidelines and other Service Authority legislation and regulations.
- .2 The Contractor shall provide notification when setting out has been completed and allow 2 days for inspection of the set out.

## **5. HYDROSEEDING MIXTURE**

### **General**

- .1 The mixture shall be prepared by mixing the mulch, seed, fertiliser, pigment and water in the specified proportions. All ingredients shall be thoroughly mixed to form a homogenous slurry.
- .2 The mulch shall be a paper/water mixture containing no growth inhibiting substances and shall be manufactured in such a manner that, when thoroughly mixed with seed and fertiliser in the specified proportions, it forms a homogenous slurry capable of being sprayed through a hand held nozzle. The mix shall contain a green biodegradable, non-toxic pigment. Fertiliser with an N:P:K ratio of 18:10:10 shall be included in exotic grass seed mixes.

### **Fertiliser**

- .3 Fertiliser shall be applied in accordance with the Drawings. Fertiliser shall be complete organic liquid applied in accordance with the manufacturer's instructions and recommended rates.

### **Other Soil Additives**

- .4 The Contractor shall apply soil additives.

## **6. METHOD OF SEEDBED PREPARATION AND SEED SOWING**

- .1 The Contractor shall ensure the following seedbed preparation and seed sowing requirements:
  - (a) **Method Specified by the Principal:** The method of the seedbed preparation and seed sowing for the project shall be as specified by the Principal.
  - (b) **Method Recommended by the Contractor:** The Contractor shall nominate the seedbed preparation and seed sowing method. The Contractor shall undertake an assessment and recommend the preferred method for the project.
- .2 The methods shall allow for seed sowing to be undertaken a minimum of 10 days after weed control spraying and ground preparation. Seed shall be uniformly sown over all areas to be planted using the rate, seed mixes and quantities specified.
- .3 Hydroseeding mix shall be applied using mobile plant with tank(s) having a built-in continuous agitator and recirculation system of sufficient operating capacity to produce and maintain a homogenous mix. The discharge system shall be capable of spraying the slurry continuously and uniformly at the rate specified.
- .4 In the event that the seed mix is not sown in accordance with this Specification, the seed shall be re-sown. If sowing operations with incorrect seed have been completed, replacement shall be carried out by spraying out the germinating seedlings with Roundup or equivalent (Roundup Biactive shall be used around wetlands and waterways), cultivating the soil and sowing the correct seed.

## **7. PRACTICAL COMPLETION**

- .1 Practical Completion means that an even distribution of seed and mulch over the whole of the seeded area is achieved by correct application of the prescribed method. The Contractor shall reseed areas which have not been evenly seeded.

## **8. NATIVE REVEGETATION AREA SIGN**

- .1 The Contractor shall install Principal supplied "Native Revegetation Area" signs in accordance with Attachment L20A.

## **9. HOLD POINTS**

- .1 There are no Hold Points referenced in this Part.

1. **ATTACHMENT L20A - NATIVE REVEGETATION AREA SIGN**

