

1.0 GENERAL

1.1 SEEDING PRODUCT DELIVERY, STORAGE AND HANDLING

- .1 Deliver grass seed, fertilizer, mulch and other materials in standard containers clearly marked with contents, weight, analysis and name of supplier or manufacturer.
- .2 In case of grass seed show quantities of different types of seed mixture as well as the original seed lot number tag complete with supplier's name.

1.2 JOB CONDITIONS

- .1 Proceed with seeding operations only during favourable weather conditions in accordance with good horticultural practice.

1.3 INSPECTION

- .1 Make all materials available for inspection, upon arrival on the site, or at source of supply when requested.
- .2 Give one (1) working day notice to the Project Manager when materials are available for inspection.
- .3 Obtain the written approval of the Project Manager of the finished topsoil preparation before proceeding with seeding.
- .4 Where a hydro-seeding method is used, notify the Project Manager one (1) working day before loading seeder and allow for an inspection by the Project Manager at location of loading operation. Also provide all identification labels from materials placed in hydro-seeder. Failure to notify the Project Manager before loading occurs could result in rejection of the seeding operation. The Project Manager reserves the right to waive loading inspection at his discretion.
- .5 Installation of seed prior to inspection by the Project Manager shall be the Contractor's responsibility. The Project Manager reserves the right to reject seed, after it has been installed, if seed does not conform to specifications.
- .6 Remove all rejected materials from site immediately.

1.4 MATERIALS

- .1 Grass Seed - Certified Canada No. 1 seed, having a minimum purity of 97% and germination of 75%, meeting the requirements of the Seeds Act and mixed as specified below:

For all manicured turf areas, a grass mixture of:

35% Kentucky Bluegrass - any two of the following: Touchdown, Nugget, America or Midnight
25% Creeping Red Fescue - either Boreal or Jasper
30% Chewings Fescue - either Victory or Banner
10% Redtop or turf-type perennial ryegrass

This seed mixture shall be applied at a rate of not less than 2.93 kg per 100 sq. metre (6.0 lb. Per 1,000 ft²).

- .2 Seed of the various species shall be furnished in a mixture in standard containers on each of which the following information shall be clearly shown:

- .1 Supplier's name and address
- .2 Lot Number of each individual grass species/cultivars
- .3 Net Weight of each container
- .4 Names and percentages of individual seed species/cultivars

- .3 Mulch for Hydroseeding

- .1 Mulch: Approved wood fibre mulch manufactured from whole wood chips and containing no growth or germination inhibiting factors. The following specifications shall apply: Percent moisture content 10.0%; Percent organic matter 99.2%; Percent ash content 8.0%; Ph 4.8; Water holding 1,000 gms/100 gms of fibre.
- .2 Percent of moisture content is determined in accordance with the Canadian Pulp and Paper Association, Technical Section Standard A.2. Apply at a rate of 13.5 – 18.2 kg (30 - 40 lbs). per 1,400 - 2,000 kg/ha (1000 feet²), depending on slope.
- .3 Tackifier: Acceptable colloidal polysaccharide tackifier, adhering to mulch ring manufacturing, non-toxic and without growth or germination inhibiting factors. Apply at a rate of .45 kg -.90 kg (2 lbs.) per 50 - 100 kg/ha,(1000 feet²) depending on slope.

1.5 PREPARATION

- .1 Provide a finished topsoil surface that is smooth and firm with a fine loose texture. Thoroughly loosen soil, just prior to seeding to a minimum depth of 150 mm (6 inches).
- .2 Ensure that finished grade meets flush and smooth with adjacent grades and surface structures such as curbs, manholes, sidewalks, etc.
- .3 Incorporate organic matter, arrange for testing and obtain final approval that topsoil meets organic requirements before proceeding with seeding.
- .4 Apply 11-54-0 fertilizer at the following rate: 2.44 kg per 100 sq. metre (5 lbs. Per 1000 sq feet). Equivalent fertilizer may be applied provided the Contractor consults with the Project Manager prior to application.

1.6 INSTALLATION

- .1 Preferably do all seeding during the period from May 15 until September 30, or as weather permits, when wind speeds are minimal and site conditions are approved by Project Manager.
- .2 Two means of applying seed are acceptable to the Owner:
 - .1 hydro-seeding and
 - .2 mechanical or "Brillion" seeding
- .3 Hand broadcasting of seed shall not be acceptable under any conditions except for isolated repair work.
- .4 Upon completion of all seeding work, arrange for inspection by the Project Manager. Give timely notice for such inspection.
- .5 Protect all newly seeded areas as required.
- .6 Remedy all damages, wash-outs and eroded areas resulting from weather, improper protection or other causes.

END OF SECTION