

Part 1 General

1.1 SECTION INCLUDES

- .1 Materials and installation of sod in location shown and to replace existing grassed areas damaged by construction activities.

1.2 RELATED SECTIONS

- .1 Section 01 74 19 - Construction/Demolition Waste Management and Disposal
- .2 Section 31 14 11 - Earthwork and Related Work - Short Form

1.3 QUALITY ASSURANCE

- .1 Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

1.4 SCHEDULING

- .1 Schedule sod laying to coincide with preparation of soil surface.
- .2 Schedule sod installation when frost is not present in ground.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 19.
- .2 Divert unused fertilizer from landfill to official hazardous material collections site.
- .3 Do not dispose of unused fertilizer into sewer systems, into lakes, streams, onto ground or in locations where it will pose health or environmental hazard.

Part 2 Products

2.1 MATERIALS

- .1 Nursery sod: locally grown turf for general purpose lawns with adequate moisture; freshly cut and healthy with strong, fibrous root system; cultivated in nursery field as turf grass crop; containing maximum 2% of other grass species, and maximum 2 broad leaf weeds and 10 other weeds per 40 m²; containing maximum 40 mm and minimum 25 mm thick sod soil portion
- .2 Water: Supplied by Departmental Representative at designated source on site.

- .3 Fertilizer:
 - .1 To Canada "Fertilizers Act" and "Fertilizers Regulations".
 - .2 Complete, synthetic, slow release with 65% of nitrogen content in water-insoluble form.

2.2 SOURCE QUALITY CONTROL

- .1 Obtain approval from Departmental Representative of sod at source.
- .2 When proposed source of sod is approved, use no other source without written authorization from Departmental Representative.

Part 3 Execution

3.1 PREPARATION

- .1 Verify that grades are correct and prepared in accordance with Section 31 14 11. If discrepancies occur, notify Departmental Representative and do not commence work until instructed by Departmental Representative.
- .2 Do not perform work under adverse field conditions such as frozen soil, excessively wet soil or soil covered with snow, ice, or standing water.
- .3 Fine grade surface free of humps and hollows to smooth, even grade, to tolerance of plus or minus 8 mm, with surface to drain naturally.
- .4 Remove and dispose of weeds, debris, stones larger than 25 mm, and soil contaminated by oil, gasoline and other deleterious materials. Remove and dispose of off site.

3.2 FERTILIZING

- .1 Apply fertilizer just prior to laying sod.
- .2 Apply fertilizer at rate recommended by fertilizer manufacturer for new sod application, but at no less than 3 kg/100 m².
- .3 Spread evenly with calibrated mechanical distributor.
- .4 Mix thoroughly into upper 50 mm of topsoil.

3.3 SOD PLACEMENT

- .1 Lay sod within 24 hours of being lifted if air temperature exceeds 20 degrees C.
- .2 Lay sod sections in rows, joints staggered. Butt sections closely without overlapping or leaving gaps between sections. Cut out irregular or thin sections with sharp implements.
- .3 Roll sod lightly to provide close contact between sod and soil. Do not perform heavy rolling to correct irregularities in grade.

3.4 MAINTENANCE DURING ESTABLISHMENT PERIOD

- .1 Maintain sodded areas until it demonstrates established growth.
- .2 Apply water in sufficient quantities to prevent grass and underlying soil from drying out.
- .3 Cut grass when it reaches 60 mm height and maintain to minimum 50 mm height. Do not cut more than 30% of blade at any one mowing. Remove clippings.
- .4 Replace sod that shows root growth failure, deterioration, bare or thin spots, or which have been damaged by any means, including replacement operations.
- .5 Maintain sodded areas 95% weed free.
- .6 Fertilize areas in accordance with fertilizing program. Spread half of required amount of fertilizer in one direction and remainder at right angles, and water in well.

3.5 ACCEPTANCE

- .1 Sodded areas will be accepted by Departmental Representative provided the following is met:
 - .1 Grass is properly established;
 - .2 Grass is free of bare and dead spots;
 - .3 No surface soil is visible from height of 1500 mm when grass is cut to height of 50 mm.
 - .4 Sodded areas have been cut minimum 2 times prior to acceptance.
- .2 Areas sodded in fall will be accepted in following spring one month after start of growing season provided acceptance conditions are fulfilled.

3.6 MAINTENANCE DURING WARRANTY PERIOD

- .1 Perform following operations from time of acceptance until end of warranty period:
 - .1 Water sodded areas at weekly intervals to obtain optimum soil moisture conditions to depth of 100 mm.
 - .2 Cut grass to height of 50 mm and remove clippings that will smother grass.
 - .3 Cut grass at intervals so that approximately one third of growth is removed in single cut.
 - .4 Fertilize areas in accordance with fertilizing program. Spread half of required amount of fertilizer in one direction and remainder at right angles and water in well.
 - .5 Eliminate weeds by means acceptable to Departmental Representative. If chemical means are not acceptable to Departmental Representative, use mechanical means.
- .2 Repair and resod dead or bare spots to satisfaction of Departmental Representative.

3.7 CLEANING

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

END OF SECTION