

PART 1 – GENERAL

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| 1.1 <u>RELATED SECTIONS</u> | .1 | 329121 - Topsoil Placement and Grading |
| | .2 | 311411 – Earthwork and Related Work - Short Form |
| | .3 | 312313 – Rough Grading |
| 1.2 <u>BASIS OF PAYMENT</u> | .1 | Measurement Procedures:
Item L-003: Sodding. Measure the supply and installation of sod in square meters including topsoil, maintenance, mowing and fertilizing during the establishment and warranty periods, and all work required for proper implementation, including excavation. The unit price bid (sq. meters) will be for full compensation for all labour, materials and equipment to do the work. |
| 1.3 <u>SUBMITTALS</u> | .1 | Provide data sheets in accordance with the requirements of the specifications. |
| | .2 | Provide purchase order in accordance with the requirements of the specifications. |
| 1.4 <u>SCHEDULING</u> | .1 | Schedule sod laying to coincide with preparation of soil surface in accordance with related sections and other work occurring during this same construction period. |
| | .2 | Schedule sod installation outside frost periods. |

PART 2 – PRODUCTS

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| 2.1 <u>MATERIALS</u> | .1 | Number One Turf Grass Nursery Sod: sod that has been especially sown and cultivated in nursery fields as turf grass crop. |
| | .1 | Turf Grass Nursery Sod types: |
| | .2 | Number One Kentucky Bluegrass Sod: Nursery Sod grown solely from seed of cultivars of Kentucky Bluegrass, containing not less than 50% Kentucky Bluegrass cultivars. |
| | .3 | Number One Kentucky Bluegrass Sod - Fescue Sod: Nursery Sod grown solely from seed mixture of cultivars of Kentucky Bluegrass and Chewing Fescue or Creeping Red Fescue, containing not less than 40% Kentucky Bluegrass cultivars and 30% Chewing Fescue or Creeping Red Fescue cultivars. |
| | .4 | Number One Named Cultivars: Nursery Sod grown from certified seed. |

- .2 Turf Grass Nursery Sod quality:
 - .1 Not more than 2 broadleaf weeds or 10 other weeds per 40 square metres.
 - .2 Density of sod sufficient so that no soil is visible from height of 1500 mm when mown to height of 50 mm.
 - .3 Mowing height limit: 35 to 65 mm.
 - .4 Soil portion of sod: 6 to 15 mm in thickness.
- .3 Commercial Grade Turf Grass Nursery : sod that has not been grown as Turf Grass Nursery Sod crop.
 - .1 Mow sod at height directed by Departmental Representative within 36 hours prior to lifting, and remove clippings.
- .4 Water:
 - .1 Supplied by Departmental Representative at designated source.
- .5 Fertilizer:
 - .1 To Canada "Fertilizers Act" and "Fertilizers Regulations". Complete, synthetic, slow release with 65% of nitrogen content in water-insoluble form.

PART 3 – EXECUTION

3.1 PREPARATION

- .1 Verify that grades are correct and prepared in accordance with Section 32 91 21 - Topsoil Placement and Grading. If discrepancies occur, notify the 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 contours and elevations indicated, to tolerance of plus or minus 8mm for surface to drain naturally.
- .4 Remove and dispose of weeds; debris; stones 50 mm in diameter and larger; soil contaminated by oil, gasoline and other deleterious materials as directed by Departmental Representative.

3.2 SOD PLACEMENT

- .1 Lay sod within 24 hours of it being received on site.
- .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 as directed by Departmental Representative. Provide close contact between sod and soil by light rolling. Use of heavy roller to correct irregularities in grade is not permitted.

- 3.3 FERTILIZING PROGRAM .1 Fertilize during establishment and warranty periods to following program:
- | Date | Date | Rate | Ratio |
|----------|-------|---------|-------|
| 05-25 to | 05-31 | 6.0/100 | kg/ha |
| 07-05 to | 07-15 | 6.0/100 | kg/ha |
| 09-05 to | 09-15 | 6.0/100 | kg/ha |
- 3.4 WARRANTY .1 New Sod has a warranty of four (4) months. The warranty period is valid between May 15 and October 15, after provisional acceptance of the work. If the warranty period is not over by October 15 of the year that the sod was installed, the remaining warranty period is transferred to the following year, starting May 15. Four separate mowings and 3 fertilizations must have been performed before the end of the warranty period.
- 3.5 MAINTENANCE DURING ESTABLISHMENT PERIOD AND WARRANTY PERIOD .1 Perform following operations from time of installation until the end of the warranty period.
- .2 Water sodded areas in sufficient quantities and at frequency required to maintain optimum soil moisture condition to depth of 75 to 100 mm.
- .3 Cut grass to 65 mm when or prior to it reaching height of 75 mm. Remove clippings which will smother grassed areas as directed by Departmental Representative. A minimum of four (4) separate mowings must be done before the end of the warranty period.
- .4 Maintain sodded areas weed free at 95%.
- .5 Fertilize areas in accordance with fertilizing program. Spread half of required amount of fertilizer in one direction and remainder at right angles. Water well enough to allow fertilizer to penetrate in soil.
- 3.6 ACCEPTANCE .1 Turf Grass Nursery Sod areas will be accepted by Departmental Representative provided that:
- .1 Sodded areas are properly established.
- .2 Sod is free of bare and dead spots.
- .3 No surface soil is visible from height of 1500 mm when grass has been cut to height of 50 mm.
- .4 Sodded areas have been cut minimum 2 times prior to acceptance.
- .5 Grass surfaces have fertilized once at least to 6.0/100 kg/ha.
- .2 Areas sodded in fall will be accepted in following spring one month after start of growing season provided acceptance conditions are fulfilled.
- 3.7 CLEANING .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

***** END OF SECTION *****