

SODDING

1 General

1.1 RELATED WORK

.1 Coordinate the requirements of this section with all other sections, including but not limited to:

.1 Section 02212 Topsoil

.2 Section 02998 Landscape Maintenance

1.2 QUALITY CONTROL

.1 **City of Saskatoon, Parks Branch** to approve type of sod to be used for Work.

.1 Submit name of sod source and supplier.

1.3 INSPECTION

.1 Notify **Consultant** for inspection of:

.1 Fertilizer application and sod bed preparation before sodding.

.2 Approval of sod is required before placement.

.3 Sod placement.

1.4 DELIVERY AND STORAGE

.1 Schedule deliveries to minimize site storage and sod placement delays.

.1 Deliver sod to site within 24 hours of being lifted.

.2 Deliver, unload and store rolled sod on pallets only.

.3 Do not deliver small, irregular or broken pieces of sod.

.2 Store and protect sod as required to preserve quality and vitality.

.1 In wet weather allow sod to dry sufficiently to prevent tearing during lifting and handling.

.2 Prevent sod from drying out during hot weather. Water sod as necessary to prevent dropping of soil while handling.

.1 Dried out sod will be rejected.

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2 Products

2.1 NURSERY SOD

.1 Bluegrass and Fescue grass sod (peat sod is not acceptable) seeded and cultivated in a nursery field as turf grass crop. Containing max. 2% of other grass species or clover and maximum of two broad leaf weeds within a 40m² area.

.1 20mm min. thickness, 25mm max. thickness of sod portion.

.2 Sod with soil visible when mowed to 63mm (2.5") height is prohibited.

.3 Bluegrass and Fescue grass composition:

.1 Min. 40% Kentucky Bluegrass.

.2 Min. 30% Creeping Red Fescue.

.3 Max. 5% Perennial Rye Grass or 10% Red Top.

2.2 OTHER MATERIALS

.1 Fertilizer: complete synthetic, slow release max. 35% water soluble nitrogen.

.1 11-52-0 or as recommended in soils test analysis results.

.2 Water: free of impurities inhibiting germination and growth.

.3 Wood stakes: 17 x 17 x 300mm, treated wood not acceptable.

2.3 EQUIPMENT

.1 Rollers: suitable for type of Work and sodded area.

3 Execution

3.1 PREPARATION

.1 Re-grade areas damaged during construction of other Work and remove weeds, stones, debris, and other foreign material in excess of 50mm diameter before sod placement.

3.2 FERTILIZER

.1 Apply approved fertilizer to topsoil areas at rate of 100kg per hectare, or as recommended in soils test analysis results.

3.3 SOD BED PREPARATION

.1 Requirements:

.1 Fine grade and loosen topsoil, to achieve loose friable bed.

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- .2 Eliminate rough spots and low areas to ensure positive drainage.
- .3 Consolidate topsoil in seeded areas leaving surface smooth, uniform, firm, with fine loose texture.
- .2 Finish grade for paths crossing swales require grades 25mm below adjacent path downstream side, see drawings.

3.4 SODDING OPERATIONS

- .1 Lay sod within 24 hours of being lifted.
- .2 Do not lay sod under freezing temperatures or on frozen or excessively wet soil.
- .3 Install sod per drawings, to minimize trimming and waste.
 - .1 Begin laying sod along the straightest edge.
 - .2 Stagger joints.
 - .3 Trim excess sod along perimeter of area with sharp edging tool.
 - .4 Short pieces along edges are prohibited.
 - .5 Knit sod edges closely together.
- .4 Install sod on slopes in rows at right angles to slopes:
 - .1 Slopes of 1.75:1 to 3:1: Secure bottom three rows of sod and every third row following with wooden stakes.
 - .2 Slopes steeper than 3:1: Secure each row of sod with wooden stakes. Use chicken wire if necessary.
 - .3 Place wood stakes close enough to prevent sod from shifting, at intervals not exceeding 600mm.
 - .1 Drive stakes flush with sod soil surface.
- .5 Roll sodded areas lightly to provide contact between sod and soil.
 - .1 Heavy rolling to correct irregularities in grade is prohibited.
 - .2 Tamp edges smooth and flush with surface of adjoining areas.
- .6 Water turf areas using irrigation system or other method, ensuring that erosion and compaction are not caused during watering.
 - .1 Apply sufficient water to ensure moisture penetration of 75 to 100mm depth.

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3.5 PROTECTION

- .1 Protect sod areas against damage using approved materials and method. Remove this protection after turf areas have been accepted.

3.6 ESTABLISHMENT AND MAINTENANCE

- .1 See Section 02998 - Landscape Maintenance.

3.7 CLEAN-UP

- .1 Clean adjacent walks and road surfaces at the end of each working day.

END OF SECTION