

1.0 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 Approved seed mixes for use.
 - .1 Submit “original” seed bag labels for each type of seed mix used.
- .2 Notify City of Prince Albert prior to seeding.
 - .1 Failure to obtain inspection and approval of seeding operations will affect date of Construction Completion Certificate (CCC) for the Work.

1.3 Measurement and Payment

- .1 The Unit prices submitted shall include the supply of all labour and equipment and materials as specified or required to complete the Work as intended.
- .2 The prices submitted to be full compensation for supplying (if applicable), hauling, installing, cleaning and placing in service the Work as specified and detailed, together with all incidental Work.
- .3 Measurement for payments to be calculated on the basis of the Unit prices for the applicable item of Work as entered on the Tender Form. Seeding (sq. m.) of turf areas for each type of seed mix includes all associated costs for seed mix, fertilizer, and fine grading of topsoil areas.
 - .1 Failure to obtain inspection of seeding operations will result in Contractor providing all landscape maintenance required until satisfactory germination of seed for turf areas or a 50% deficiency holdback in the amount paid as determined by Consultant.

1.4 Inspection

- .1 Notify Project Manager and City of Prince Albert for inspection of:
 - .1 Fertilizer application and seed bed preparation, before seeding.
 - .2 Seeding.

SEEDING

2.0 PRODUCTS

2.1 Grass Seed and Seed Mixes

.1 Grass seed to be Canada No. 1 Grade Seed, from a recognized seed firm, free of disease, minimum germination of 75%, minimum purity of 97% and conforming to the following seed mixes.

.2 Seed mixes for turf:

.1 Irrigation Mix.

.1 40% Creeping Red Fescue "Boreal" (acceptable alternative "Jasper II")

.2 37%. Perennial Rye "Fiesta 3" (acceptable alternative "Playmate" or "Citation III")

.3 15%. Kentucky Blue "Able I" (acceptable alternative "Quantum Leap")

.4 8% kg. Kentucky Blue "Midnight" (acceptable alternative "Awesome" or "Rugby II")

.2 Non Irrigation Mix.

.1 35% Aberdeen Creeping Red Fescue

.2 25% Shadow III Chewings Fescue

.3 20% Sheep Fescue

.4 20% Hard Fescue

2.2 Other Materials

.1 Fertilizer: Complete synthetic, slow release with maximum 35% water soluble nitrogen.

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

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

.3 Tackifier/Binder; As approved.

2.3 Equipment

.1 Manual seeding; "Cyclone" type manually operated seeder and flexible "drag mat".

SEEDING

- .2 Mechanical seeding; "Brillion" type mechanical landscape seeder which accurately places seed at specified depth and rate and rolls in single operation.
- .3 Rollers; Suitable for type of Work and seeded area.

3.0 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 seeding.

3.2 Fertilizer

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

3.3 Seed Bed Preparation

- .1 Requirements:
 - .1 Fine grade and loosen topsoil to achieve loose friable bed.
 - .2 Eliminate rough spots and low areas to ensure positive drainage.
 - .3 Consolidate topsoil in seeded areas leaving surface smooth, uniform, firm against deep foot printing, and with a fine loose texture.

3.4 Seeding Operations

- .1 Do not perform work under adverse site conditions; frozen ground, saturated ground, or ground covered with snow, ice or standing water.
 - .1 Obtain approval to proceed with seeding.
 - .2 Calculate number of seed bags used for each seed mix type.
 - .3 Seed using same method as intended for other seeding operations.
- .2 Authorization is required before applying seed mixes.
 - .1 Seed half of required seed amount in one direction and remainder at right angles.
 - .2 Seed uniformly for each type of seed mix at rate of 220kg per hectare.
 - .3 Ensure seed does not spread to non-turf areas (e.g. shrub beds)

SEEDING

- .4 Blend applications into adjacent turf areas achieve uniform surfaces.
- .3 Ensure seed is embedded into soil to depth of 5 mm within 1 hour of seeding.

3.5 Protection

- .1 Protect seeded areas against damage using materials and method as approved and remove protection after turf areas have been accepted.

3.6 Establishment and Maintenance

- .1 See Specification 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