1.0 GENERAL

1.1 Related Work

1.1.1 Section 02210 - Site Grading – Rough

1.1.2 Section 02212 - Planting Soil and Finish Grading

1.1.3 Section 02930 - Seeding – Irrigated

1.1.4 Section 02931 - Seeding – Native

1.2 Delivery and Storage

1.2.1 Deliver grass seed in original containers showing:

.1 Analysis of seed mixture

.2 Percentage of pure seed

.3 Year of production

.4 Net mass

.5 Date when tagged and location

.6 Percentage germination

.7 Name and address of distributor

1.2.2 Deliver wood fibre mulch in moisture-proof containers indicating manufacturer, content and net air-dry mass.

1.2.3 Deliver erosion control agent in moisture-proof containers showing manufacturer, content and net mass.

1.3 Measurement Payment

1.3.1 Supply of seed will be measured in kilograms.

1.3.2 Seeding will be measured in square metres of actual surface areas.

2.0 PRODUCTS

2.1 Materials

2.1.1 Grass seed: Certified No. 1 Grade to Government of Canada, Seeds Regulations and having minimum germination of 85% and minimum purity of 97%.

2.1.2 Mulch:

.1 Straw: oat, barley, alfalfa or wheat straw, reasonably free from weeds, foreign matter detrimental to plant life, in dry condition to allow even distribution when processed through blower. Other vegetative material (hay, chopped cornstalks) may be used when approved by the Consultant.

.2 Fibre: wood or wood cellulose fibre free of germination or growth-inhibiting ingredients and forming blotter like ground cover allowing absorption and percolation of water.

.3 Erosion Control Agent: water dilatable liquid dispersion containing thermoplastic resin (Curasol AH).

.4 Water: potable, free of impurities that would inhibit germination.

.5 Fertilizer: shall be high in phosphorous (e.g. 16-32-6) and delivered to the site in unopened containers. Rate of application to be 2.5 kg per 100 m^2.

2.2 Grass Seed Mixture

2.2.1 Seed: See Sections 02930 & 02931. All grass seed must be obtained from a recognized seed house or supplier. Seed shall be delivered in bags bearing tags.

3.0 EXECUTION

3.1 Workmanship

3.1.1 Keep site well drained.

3.1.2 Clean up immediately, soil, mulch, or other debris spilled onto pavement, dispose of deleterious materials.

3.1.3 Take reasonable care to prevent contamination by slurry of structures, signs, guiderails, fences and utilities.

3.1.4 Where contamination occurs, remove slurry to satisfaction of owner and by means approved by the Consultant.

3.2 Preparation of Surfaces

3.2.1 Cultivate areas to be seeded to a depth of 50 mm. Fine grade free of humps and hollows and free of deleterious and refuse material.

3.2.2 Obtain Consultant's approval of topsoil grade and depth before start seeding.

3.3 Seeding

3.3.1 Seed mechanically as outlined in Section 02930 & 02931.

3.3.2 Seed area during early spring or after 15th August to within 2 weeks of freeze-up.

3.4 Preparation of Slurry

3.4.1 Apply when winds less than 10 km/h using equipment suitable for area involved to the approval of the Consultant.

3.4.2 Measure quantities of material by mass or mass-calibrated volume measurement to satisfaction of Consultant. Supply all equipment required for this work.

3.4.3 Charge required water into the tank. Add material into hydraulic mulching tank under agitator. Pulverize mulching material and charge slowly into tank.

3.4.4 Add erosion control agent, into tank and mix thoroughly to complete mulch slurry.

3.5 Application of Slurry

3.5.1 Apply mulch slurry immediately after seeding is complete.

3.5.2 Complete mulch slurry to be applied per hectare:

.1 Mulch: 2,200 kg

.2 Erosion Control Agent: 340 kg

.3 Water, minimum: 30,000 L

3.5.3 Blend applications into existing, adjacent grass areas or sodded areas.

3.5.4 Apply slurry in a uniformly distributed ground cover of uniform thickness.

3.5.5 After application of mulching slurry, ensure that the areas are left undistributed until maintenance has started.

3.6 Maintenance

3.6.1 Ensure maintenance equipment suitable to Consultant.

3.6.2 Keep soil moist during germination period and adequately water grassed areas until accepted by the Consultant.

3.6.3 Apply water to ensure moisture penetration of 75 to 100 mm. Control sprinkling to prevent wash-outs.

3.6.4 Cut grass when it reaches height of 60 mm and cut to height of 40 to 50 mm. Remove clippings which exceed 10 mm in depth.

3.6.5 Maintain grassed areas free of pests and disease.

3.6.6 Fertilize seeded areas one month after seeding. Spread evenly and water in well. Postpone fertilizing until next spring if application falls within four week period prior to expected end of growing season in locality.

3.7 Acceptance

3.7.1 Conform to Section 02930 & 02931.