

Part 1 General

1.1 DESCRIPTION

- .1 This specification shall cover the supply and installation of mixed grassland and mixed fescue areas, as indicated on the Drawing L-100 Site Layout & Materials Plan.

1.2 REFERENCES

- .1 City of Winnipeg Standard Construction Specification: CW 3520 Seeding; most recent.

1.3 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit product data for:
 - .1 Seed.
 - .2 Fertilizer.
- .3 Submit samples for:
 - .1 Mixed Grassland Seed
 - .2 Mixed Fescue Seed

1.4 QUALITY ASSURANCE

- .1 Installer:
 - .1 Seed

Part 2 Products

2.1 TOPSOIL

- .1 Topsoil per Section 32 91 19 – Topsoil Placement and Finish Grading.

2.2 SEED

- .1 All seed is to be Certified Canada No. 1 in accordance with Government of Canada “Seeds Act” and “Seeds Regulations”, having minimum purity of 97%, free of disease, weed seeds, or other foreign materials and meeting the standard mix blend listed below.
- .2 Mixed Grassland Seed:
 - .1 100% Prairie Originals Tall Butterfly Prairie Mix, as supplied by Prairie Originals, 1-866-296-0928, www.prairieoriginals.com:
- .3 Mixed Fescue Seed:
 - .1 100% Sage Garden ‘Eco-Lawn’ mix, as supplied by Sage Garden Herbs, 1-204-257-2715, www.herbs.mb.ca. Seed ratio of 2kg/100m².
- .4 All seed to be delivered in packages individually labeled in accordance with “Seeds Regulations” and indicating name of supplier and date bagged.

- .5 All seed to be from local sources.
- .6 Provide the following product data for each type of seed mix:
 - .1 Seed Analysis
 - .1 % of pure seed by weight.
 - .2 % of germination or % of pure living seed.
 - .3 Year of seed production.
 - .2 Seed Tags Starting
 - .1 Date when tagged.
 - .2 Location.
 - .3 Weight.
 - .4 Name and address of distributor.
 - .5 % of seed variety by weight in seed mixture.

2.3 WATER

- .1 Free of impurities that would inhibit germination and growth.

2.4 HERBICIDES

- .1 Herbicides shall be standard commercial products registered for sale and use in Canada under the Pest Control Products Act.

2.5 FERTILIZER

- .1 Synthetic start-up slow release fertilizer with a N-P-K analysis of 12-36-15 ratio at a rate of 4 kg per 100 m² which is 8 Pounds per 100 sq ft., to Canada "Fertilizers Act" and "Fertilizers Regulations".

2.6 SNOW FENCE

- .1 Barrier Material: plastic UV stabilized, high density polyethylene web snow fence, international orange colour, 1.22 meter height, or approved equal in accordance with B6.
- .2 Snow Fence Supports: rolled steel T-bar fence posts, or approved equal in accordance with B6.

2.7 HYDRO MULCH

- .1 Per section 32 92 20 - Hydro Mulching.

2.8 EQUIPMENT

- .1 All equipment shall be of a type approved by the Contract Administrator and shall be kept in good working order. Ensure equipment will not damage existing vegetation.

Part 3 Execution

3.1 SCHEDULING

- .1 Schedule seeding immediately following planting medium placement and finished grading, within forty-eight 48 hours.

- .2 If seed installation cannot be completed within 48 hours and weeds germinate in the seeded areas, weed eradication via manual and chemical means, soil sterilization and soil re-fertilization measures shall be completed by the Contractor, at no additional cost to The City.
- .3 Schedule seeding immediately prior to 32 92 20 - Hydro Mulching.
- .4 Schedule installation of snow fence immediately after Hydro Mulching.

3.2 SEED BED PREPARATION

- .1 Do not perform work under adverse field conditions such as frozen soil, excessively wet or dry soil covered with snow, windy conditions, ice, or standing water.
- .2 Remove and dispose of weeds; debris; stones 50mm in diameter and larger; soil contaminated by oil, gasoline and other deleterious materials; off site as directed by Contract Administrator.
- .3 Fine grade surface free of humps and hollows to smooth, even grade per Section 32 91 19 – Topsoil Placement and Finish Grading.
- .4 Verify that finish grades are correct and planting medium has no settled adversely since acceptance. If discrepancies occur, notify Contract Administrator and do not commence seeding until instructed by Contract Administrator.
- .5 Cultivate and roll seed bed prior to seeding.
- .6 Fertilize areas to be seeded two (2) weeks or less, prior to seeding operations, with starter fertilizer.

3.3 SEED PLACEMENT

- .1 Seeding to conform to requirements of City of Winnipeg Standard Construction Specification: CW 3520 Seeding; most recent.
- .2 Install snow fence around seeded areas to prevent foot traffic and access during seed establishment. Maintain snow fence until final acceptance.

3.4 MAINTENANCE

- .1 Maintenance to conform to requirements of City of Winnipeg Standard Construction Specification: CW 3520 Seeding; most recent.

3.5 FINAL ACCEPTANCE

- .1 Acceptance to conform to requirements of City of Winnipeg Standard Construction Specification: CW 3520 Seeding; most recent.

3.6 CLEANING

- .1 Upon completion of installation, remove construction and accumulated dirt, surplus materials, rubbish, tools and equipment barriers in accordance with section 01 74 00 – Cleaning and Waste Processing.

END OF SECTION