

MITIGATION AREA TURF ESTABLISHMENT

****From Cabot-Danville FEGC F 028-3(26) C/1**

- xx. DESCRIPTION. This work shall consist of the preparation of the area and the application of wetland seed mixes at the locations indicated in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Section 651 of the Standard Specifications.

- xx. MATERIALS.

- (a) General. Materials shall meet the requirements specified in the Plans. Any deviations from the species or percentages specified in the Plans shall be approved by the Agency's Consultant Field Naturalist prior to use.

Seed shall be stored in accordance with the manufacturer's recommendations.

- (b) Suppliers. Seed mixes shall be obtained from a wetland plant supplier or wildlife plant supplier. The following suppliers are capable of providing seed mixes that meet the requirements for this project:

New England Wetland Plants, Inc.
820 West Street
Amherst, MA 01002
Tel.: (413)548-8000

Oliver Seed Co., Inc.
26 Sunset Avenue
Milton, VT 05468
Tel.: (802)893-4628

Vermont Wetland Plant Supply, LLC
P.O. Box 153
Orwell, VT 05760
Tel.: (802)948-2553

Substitutes to the above shall be approved by the Engineer prior to use.

- xx. CONSTRUCTION REQUIREMENTS.

- (a) Erosion Control/Restoration Mix (EC). EC shall be planted in the mitigation site's south pond area with wild rice seed (ZA) from elevation 660.1' to 662.5', and on areas of elevation 662.5' upwards to limits of construction. Annual ryegrass (*Lolium multiflorum*) shall be added to the EC at a rate of ten (10) pounds per acre.

Seeding shall occur within 48 hours of completion of grading, between May 1st and September 15th or between October 15th and November 15th, or as directed by the Engineer. If completion of construction occurs between October 15th and November 15th, area

to be stabilized within 48 hours of completion of grading with winter rye (*Lolium multiflorum*) at a rate of 40 pounds per acre, and mulched with weed-free straw at a rate of two tons per acre. Erosion control/restoration mix shall then be over-seeded during the October 15th to November 15th window. The soil surface shall be raked immediately prior to seeding to create grooves for seed lodgement. Seeding shall be mulched immediately with weed-free straw at a rate of two tons per acre. No fertilizer or lime shall be used.

- (b) Wild Rice Seed (ZA). ZA shall be planted with EC at the locations specified in part (a). ZA shall be planted alone in the south pond from elevation 660.1' to 657.5'.

ZA shall be planted immediately upon ice-out of spring following construction.

The soil surface of ZA/EC planting shall be raked immediately prior to seeding to create grooves for seed lodgement. Seeding shall be mulched immediately with weed-free straw at a rate of two tons per acre. No fertilizer, lime, or mulch shall be used.

- xx. METHOD OF MEASUREMENT. The quantities of Special Provision (Erosion Control/Restoration Mix) and Special Provision (Wild Rice Seed) to be measured for payment will be the number of kilograms (pounds) used in the complete and accepted work, as determined from load tickets furnished to the Engineer. With written permission of the Engineer, the mass (weight) of small quantities may be determined by alternate methods. The Engineer will verify and document such mass (weight) determination.

- xx. BASIS OF PAYMENT. The accepted quantities of Special Provision (Erosion Control/Restoration Mix) and Special Provision (Wild Rice Seed) will be paid for at the Contract unit price per kilogram (pound). Payment will be full compensation for furnishing, transporting, storing, handling, and placing the materials specified, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Annual ryegrass (*Lolium multiflorum*) will be paid for separately under Contract item 651.15.

Mulch will be paid for separately under Contract item 651.29.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.635 Special Provision (Erosion Control/ Restoration Mix)	Kilogram (Pound)
900.635 Special Provision (Wild Rice Seed)	Kilogram (Pound)