

7. ITEMS OF WORK AND CONSTRUCTION DETAILS

Items of work to be performed in conformance with this specification and the construction details therefor are:

A. **Bid Item 4; Permanent Seeding**

- (1) This item consists of fertilizing, liming, seeding, and mulching all disturbed areas within the construction limits.
- (2) Seed mixture and rates per acre shall meet or exceed the standards for pure live seed as follows:

<u>Seed Species & Variety</u>	<u>Lbs. Per Acre</u>	<u>% Pure Live Seed</u>
Reed Canarygrass, <i>(Phalaris Arundinacea)</i>	15	70
Redtop, <i>(Agrostis Alba)</i>	3	75
Birdsfoot Trefoil, <i>(Lotus Corniculatis)</i> var. Empire*	10	80

*Hard seed shall be 20%.

- (3) The following lime, fertilizer, and mulch rates per acre shall be applied on all areas that are to be seeded:

AMOUNTS

Limestone, Type MO	3 tons per acre
Fertilizer	100-200-200 pounds per acre
Mulch	2.5 tons of straw or 3.0 tons of hay

- (4) No permanent seeding shall be performed between October 1 and November 15, unless approved by the Engineer.
- (5) Agricultural limestone shall meet the minimum standards established by the Pennsylvania Liming Materials Rules and Regulations.

All application rates will be at 100% Calcium Carbonate Equivalent.

All limestone shall be furnished in 50-pound bags or by bulk deliveries accompanied by weight slips.

All limestone shall be pulverized so that a minimum of 98% shall pass through a #20 sieve and a minimum of 40% shall pass through a #100 sieve.

- (6) Maximum allowable size of rock exposed in the seeding area shall not be larger than six inches (6") in any dimension.
- (7) Mulch shall be anchored by non-toxic asphalt emulsion applied at the rate of 150 gallons per acre, or by non-asphalt emulsion of natural vegetable gum blended with gelling and hardening agents applied a one and one-half (1 ½) times the manufacturer's rate. Mulch can also be anchored by cutting using a straight blade disc or equivalent, or by cross tracking using a track machine.
- (8) In Section 6, Measurement and Payment, Method 2 will apply.

B. Bid Item 4A; Wetland Plantings

- (1) This item consists of gathering cattails, rushes and sedges from the adjacent wetland areas and planting in the wetland as shown on the drawings.
- (2) The mushroom compost in the wetland shall be saturated immediately after planting the wetland plants and the water level maintained just to the surface of the compost until final acceptance of the project.
- (3) The wetland plants shall be planted on an approximate two-foot by two-foot spacing, with a random distribution of the various wetland plants.
- (4) In Section 5, Measurement and Payment, Method 2 will apply.