

SECTION 71

FERTILIZING

71.1 DESCRIPTION

A. General

This material consists of furnishing and applying fertilizer materials on areas to be seeded or sodded.

B. Related Work

Section 70 Seeding
Section 72 Mulching
Section 76 Compost Application

71.2 MATERIALS

- A. Fertilizer shall be a dry, standard commercial product conforming to the South Dakota Fertilizer Law and subsequent amendments or revisions. Each brand and grade of fertilizer must be registered with the State Department of Agriculture. Each bag or other container shall clearly show the net weight of the contents, the name and address of the manufacturer, the brand and grade, and the guaranteed analysis of the contents, and showing the minimum percentages of total nitrogen available, phosphoric acid, and water soluble potash, in that order.
- B. Fertilizer shall be in a condition, which will permit proper distribution.
- C. Testing of fertilizer will not be required. Before any fertilizer is approved for use, the Contractor shall submit to the Engineer a certified statement from the manufacturer stating that the fertilizer is registered for sale in South Dakota and complies with the South Dakota Fertilizer Law. The certified statement shall include the Contractor's name, the project number, and all information that appears on the containers, as listed in "A" above.
- D. Fertilizer for small projects, under two acres of seeding area, shall be 18-46-0 which shall be applied at a rate of 200# per acre, unless specified otherwise by the Engineer.

Fertilizer type and quantity for projects with seeding areas larger than two acres shall be based upon testing of topsoil for horticultural properties. Test results and fertilizer type shall be submitted to the Engineer for approval.

71.3 CONSTRUCTION REQUIREMENTS

- A. Fertilizer shall be applied not more than forty-eight (48) hours prior to seeding or sodding, unless otherwise approved by the Engineer. Fertilizer shall be applied by one of the following methods:
1. With a fertilizer attachment on the drill, which will place the fertilizer in a band on or near the drill row behind the openers during the drilling operations (preferred method)?
 2. By drilling in with an approved drill prior to seeding.
 3. By spreading the fertilizer uniformly over the areas to be seeded prior to or during seedbed preparation (before final pass). This method will not be acceptable when seedbed preparation is not required.
 4. Where the seed is sown by a hydraulic seeder, the required amount of fertilizer may be placed in the tank, mixed together with the water and the seed, and applied in the seeding operation.
 5. Where required on areas to be sodded, thoroughly mix fertilizer into the top one (1) to two (2) inches of soil prior to laying sod.
 6. On slopes steeper than 3:1, where fertilizer cannot be incorporated into the soil effectively by mechanized equipment, fertilizer may be applied by any approved method and raked in to a depth of approximately one (1) inch.
- B. Clods and stones having a vertical projection of two (2) inches or more above the soil surface and other foreign materials brought to the surface shall be removed.
- C. The Contractor shall, prior to acceptance of the project, re-fertilize any area on which the original fertilizer has been lost or displaced, as determined by the Engineer.

71.4 METHOD OF MEASUREMENT

Fertilizing will be measured to the nearest square yard.

71.5 BASIS OF PAYMENT

Fertilizing will be paid for at the contract unit price per square yard, which will be full compensation for furnishing, hauling, placing, incorporating fertilizer into the work, labor, equipment, materials, tools, and incidentals necessary.

Payment for fertilizing, seeding, and mulching will all be included under the same bid item.

END OF SECTION