

SECTION 71

FERTILIZING

71.1 DESCRIPTION

A. General: This work consists of furnishing and applying fertilizer material on areas to be seeded or sodded.

B. Related Work:

Section 18	Erosion, Sediment, and Water Pollution Control
Section 70	Seeding
Section 72	Mulching
Section 76	Compost

71.2 MATERIALS

A. Requirements: 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. Contractor shall submit information demonstrating that the proposed fertilizer meets these specifications. Each bag or container shall clearly show the net weight of the contents, the name and address of the manufacturer, the brand and grade, the guaranteed analysis of the contents showing the minimum percentages of total nitrogen, phosphoric acid, and water-soluble potash available, in that order.

B. Condition: Fertilizer shall be in a condition which permits proper distribution.

C. Testing: Testing of fertilizer will not be required.

D. Fertilizer:

1. For small projects, under two acres of seeding area:

a) Reclamation blend (road ditch mix) or pasture blend: 11-52-0 (low salt)
Rate: 200 pounds per acre

b) Sod, non-irrigated, irrigated, or alkali turf mix: 15-25-10 (slow release, low salt)
Rate: 400 pounds per acre

2. 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. Application: Fertilizer shall be applied not more than twenty-four (24) hours prior to seeding. 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. By hand operated broadcaster following sod installation.
6. By equipment mounted broadcast spreaders on slopes flatter than 6:1.
7. 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. Cleanup: The Contractor shall sweep all fertilizer misplaced on adjacent pavement onto the seedbed. The Contractor shall remove and dispose of all logs, stumps, brush and other foreign material exposed during fertilizer application including rocks larger than one (1) inch in areas to be seeded with turf grass mixtures and clods having a vertical projection of 3 inches or more above the soil surface.

71.4 METHOD OF MEASUREMENT

Fertilizing will be measured to the nearest 0.01 ton or to the nearest whole (1) pound or as specified in the plans. Weigh tickets shall be submitted to the Engineer no later than 48 hours after fertilizing.

71.5 BASIS OF PAYMENT

Fertilizing will be paid for at the contract unit price or as specified in the plans. Payment will be full compensation for furnishing, hauling, placing, labor, equipment, materials, tools, and incidentals necessary.

END OF SECTION