

CONSTRUCTION SPECIFICATION

MI-166. SEEDING

1. **SCOPE**

The work shall consist of furnishing all labor, equipment and materials for seeding a permanent grass mixture on the areas shown on the drawings and/or all disturbed areas unless otherwise specified or approved.

2. **GENERAL**

Liming, fertilizing, seeding and mulching shall be performed within 20 days from disturbance any time during the year except during the period October 1 to November 1 and any other time of the year that the seedbed cannot be properly prepared due to wetness, snow or frozen soil.

3. **FERTILIZER AND LIME**

Lime shall be standard agricultural ground limestone. Fertilizer shall meet the requirements of the applicable Michigan state laws, and shall be in such physical condition to insure uniform application over the area to be fertilized. Rates of application shall be as specified on the drawings or as shown on an attachment to this specification.

4. **SEED**

The seed shall conform to the latest seed laws of the United States and of Michigan. Species, the source of production if native grasses are used, and rate of seeding shall be as specified on the drawings or as shown on an attachment to this specification.

5. **PREPARATION OF SEEDBED**

The entire area to be seeded shall be reasonably smooth and all washes and gullies shall be filled to conform to the desired cross-section before actual seedbed preparation is begun. Scarify subsoil areas perpendicular to water flow before they are filled. After final grading, the required fertilizer (except that applied with a hydraulic seeding) and/or lime shall be applied uniformly and incorporated into the top 3 inches (75 mm) of the soil. The seedbed preparation operation shall be suspended when the soil is too wet or too dry.

On side slopes steeper than 3:1, the 3 inch (75 mm) minimum depth of seedbed preparation is not required, but the soil shall be worked enough to insure sufficient loose soil to provide adequate seed cover.

6. **SOWING THE SEED**

Seed immediately after preparation of the seedbed. Uniform seed distribution shall be accomplished by drilling, broadcasting or hydraulically seeding. If a hydraulic seeder is used, the seed, fertilizer and mulch may be applied together with water.

Immediately after seeding, except in the case of hydraulic seeding, the soil shall be firmed with a cultipacker or other equipment approved by the NRCS Inspector to give the seed a cover of not more than 1/2 inch (13 mm). On slopes steeper than 3:1, the seed may be covered by hand without cultipacking.

d. **Mulch**

Straw mulch shall be spread at the rate of 1.5 to 2 tons per acre (350 to 450 kg/1000 m²) or 2 to 3 bales per 1000 square feet (20 to 30 bales per 1000 m²).

Hay mulch shall be dry and spread at the rate of 2 to 2.5 tons per acre (450 to 550 kg/1000 m²) or 3 to 4 bales per 1000 square feet (30 to 40 bales per 1000 m²).

_____ (tons) (bales) (kg) total mulch

_____ (square yards) (m²) total of netting