

TECHNICAL SPECIFICATIONS
FOR
SODDING

1. Description

Sodding shall consist of furnishing and placing sod at all locations shown on the Plans or where directed by the Engineer, and in conformity with these Specifications.

2. Materials

- (a) Sod shall consist of a live, dense, well-rooted growth of permanent grasses, free of weeds and weedy grasses. All sod shall be cleanly cut in strips having a reasonably uniform thickness of not less than 1 inch, a reasonable uniform width of not less than 8 inches, and a length not less than 12 inches. Sod shall be Kentucky 31 Fescue, Bluegrass, or Bermuda grass.
- (b) Fertilizer shall be Grade 10-10-10 commercial grade and shall conform to local, state, and federal fertilizer laws. The fertilizer shall be furnished in standard containers with the name, weight and guaranteed analysis of the contents clearly labeled.
- (c) Limestone shall be ground limestone containing not less than 85 percent of total carbonates, and shall be ground to such fineness that 85 percent will pass through a No. 10 mesh sieve and 50 percent through a 40 mesh sieve.
- (d) Ammonium Nitrate shall be standard commercial product and have a minimum of 33 percent nitrogen.

3. Construction Methods

- (a) Sod shall be set or reset only when the soil is moist and favorable to growth. Setting will be as follows unless permission is granted by the Engineer.
 - Kentucky 31 Fescue - Anytime weather permits
 - Bermuda grass - April 15 through August 14
 - Bluegrass - March 1 through April 30; September 1 through October 31
- (b) The area to be sodded shall be constructed to the lines and grades indicated on the Plans or as directed by the Engineer, and the surface loosened to a depth of not less than 1 inch with a rake or other device. If necessary, it shall be sprinkled until saturated at least one inch in depth and kept moist until the sod is placed thereon. Immediately before placing the sod, the fertilizer shall be uniformly applied at the rate of 12 pounds of Grade 10-10-10, or equivalent, per 1,000 sq. ft. Agricultural limestone shall be applied at the rate of 100 pounds per 1,000 sq. ft.
- (c) The sod shall be placed on the prepared surface with the edges in close contact and, as far as possible, in a position to break joints. Sod strips should be laid across the slope-not up and down. The sod shall be fitted tightly in the space

placed and shall be pounded into place. The entire area should be thoroughly covered with sod.

- (d) Sod shall be placed as soon as practical after removal from the point of origin, and shall be kept moist in the interim. Immediately after placing, it shall be thoroughly wetted and rolled with a satisfactory roller.
- (e) On steep slopes and channels sod shall be fastened to the ground with wire staples or wood pegs. Where surface water cannot be diverted from flowing over the face of slopes, install a strip of heavy jute or plastic netting and fasten tight along the crown or top of the slope for extra protection against lifting and undercutting of sod.
- (f) The sod shall be watered as directed by the Engineer for a period of 2 weeks after which ammonium nitrate shall be applied at the rate of 3.5 pounds per 1,000 sq. ft. and the sod given a final watering.
- (g) The Contractor shall not allow any equipment or material placed on any planted area, and shall erect suitable barricades and guards to prevent his equipment, labor or the public from traveling on or over any area planted with sod.
- (h) It shall be the obligation of the Contractor to secure a satisfactory growth of grass before final acceptance of the project.

4. Method of Measurement

Sod will be measured for payment by the square yard from surface measurements.

5. Basis of Payment

- (a) This item will be paid for at the Contract unit price per square yard for sodding.
- (b) This unit price will be full compensation for completing sodding, as outlined in the Plans and these Specifications, including the cost of excavation and disposal of material, fertilizer, lime, ammonium nitrate, water, labor, equipment, and all other incidentals.