

**SECTION 329227**  
**ATHLETIC FIELD SOD INSTALLATION**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Sod installation.

**1.02 RELATED REQUIREMENTS**

- A. Section 329227 - Athletic Field Natural Grass Root Zone

**1.03 REFERENCE STANDARDS**

- A. TPI (SPEC) - Guideline Specifications to Turfgrass Sodding; 2006.

**1.04 DEFINITIONS**

- A. Sports Field Contractor: Contractor that specializes in athletic field construction and meeting the requirements in the Quality Assurance section below.
- B. Weeds: Includes Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.

**1.05 SUBMITTALS**

- A. See Division 1 Sections for submittal procedures.
- B. Project Schedule: Critical path schedule showing start and completion of each phase of work being performed by the Sports Field Contractor.
- C. Submit the following within 48 hours of bid opening:
  - 1. List of most recent installation/reference for all projects of similar scope to this project completed in the last ten (10) years (see requirements in Quality Assurance below).
  - 2. Resume and current American Sports Builder Association (ASBA) Certification of proposed Certified Field Builder (CFB).

**1.06 QUALITY ASSURANCE**

- A. All material approvals must be obtained prior to delivery of materials to the site.
- B. The Sports Field Contractor shall be responsible for all work associated with this specification section, and meet the following requirements:
  - 1. Be an active member of the American Sports Builder Association (ASBA) with a minimum of one (1) Certified Field Builder (CFB) on staff who will be on site and responsible for all work performed within this section.
  - 2. Have experience in constructing and renovation of sand based or sand capped athletic fields under the current company name and ownership.
  - 3. Have successfully completed a minimum of five (5) NCAA Division 1, NFL, MLS or MLB sand based or sand capped natural grass fields in the past five (5) years.
  - 4. All sod installation equipment shall be high-floatation, turf tire or low ground pressure agricultural equipment.
- C. The Sports Field Contractor shall be responsible for all aspects of the sod installation including coordination with the sod farm, until the sod installation has been completed and accepted by the Owner.
- D. The Sport Field Contractor shall be responsible for remediating any settlement of the root zone material.

### **1.07 REGULATORY REQUIREMENTS**

- A. Comply with regulatory agencies for fertilizer and herbicide composition.

### **1.08 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver sod in rolls. Protect exposed roots from dehydration.
- B. Sod is to be installed within 24-hours of cutting. Do not deliver more sod than can be installed in the 24-hour cutting restriction. Sod not installed within 24-hours of cutting will be rejected by the Owner and the Sports Field Contractor will be responsible for all costs in replacing the rejected sod.

## **PART 2 PRODUCTS**

### **2.01 MATERIALS**

- A. Sod: Sod is to be purchased and delivered under a separate contract by the Owner. Sod will be 42-inch, big-roll Bermuda in lengths between 80- and 100-feet with a 3/8-inch cut.
- B. Water: Clean, fresh and free of substances or matter that could inhibit vigorous growth of grass.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that the root zone surface is firm and planar and ready to receive the sod.
- B. Verify that the irrigation system is fully functional and has full coverage of the sod area.
- C. Verify that soccer goal anchor installation is complete and elevations at the goals is within regulation.

### **3.02 PREPARATION**

- A. Owner will install root zone amendments for pre-sod installation.

### **3.03 LAYING SOD**

- A. Moisten prepared surface immediately prior to laying sod.
- B. Minimize disturbance of the root zone material and repair any disturbance that occurs during sod installation activities. Maintain the planarity of the root zone surface throughout installation.
- C. Lay sod within 24 hours after harvesting to prevent deterioration.
- D. Lay sod smooth and tight with no open joints visible, and no overlapping; stagger end joints 12 inches minimum. Do not stretch or overlap sod pieces. Remove netting as the sod is being unrolled.
- E. Ensure the edges of all rolls are in full contact with the root zone material by tamping the edges during installation.
- F. Lay sod smooth. Align with adjoining grass areas. Top of sod surface to meet and match adjoining pavements.
- G. Water sodded areas immediately after installation. Saturate sod to 4 inches of root zone.
- H. Fill any gaps in sod with additional root zone material and water by hand immediately after installation.
- I. Any sod repairs/replacement or patching is to be done with pieces no smaller than 36-inches in length and full sod roll width. Repairs or patching is to be done prior to rolling the sod.

- J. Roll sodded areas to ensure good bond between sod and root zone material and to remove minor depressions and irregularities. Rolling is to be done in two, opposite directions using a 3-ton or larger smooth drum roller to ensure sod-to-root zone contact and an even, planar surface.
- K. Irrigate the installed sod immediately after rolling to a root zone depth of two (2) inches.

### **3.04 ACCEPTANCE**

- A. Acceptance of the sod by the Owner will be done in two stages per below:
  - 1. Initial Acceptance - occurs upon completion of the sod installation including any repairs/patching and rolling. At this time the Owner will take over the irrigation, fertilization and maintenance.
  - 2. Final Acceptance - should occur between three (3) and four (4) weeks after initial acceptance and when the below items are achieved:
    - a. A root depth of three (3) inches into the root zone material has been established and verified through eleven (11) core samples taken across the field by the Owner.
    - b. The entire sod area exhibits a dense, green and consistent color and texture without any dead areas or weeds.
    - c. The sod and root zone provide a planar surface without bumps or depressions and is considered playable for NCAA Division 1 soccer as determined by the Owner.

### **3.05 MAINTENANCE**

- A. Protect sodded areas with warning signs and temporary fencing until final acceptance by the Owner has been obtained. Keep all traffic beyond that needed for Owner maintenance off of the field until final acceptance has been obtained..

**END OF SECTION**