

SECTION 02938
GRASS SODDING

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Preparation and Placing of subsoil.
- B. Fertilizing.
- C. Sod installation.
- D. Maintenance.

1.2 SCOPE

- A. The work consists of performing all grass sodding and related work as indicated on drawings and described in this section.
- B. Unless otherwise indicated, the Contractor is responsible for the repair of any existing lawn areas disturbed during the construction process
- C. The Contractor is responsible for the irrigation of all lawn areas on the project, including those not covered by an irrigation system.
- D. The Contractor is responsible for the all maintenance to the Bermuda grass lawns during a minimum 2-month grow in period.

1.3 BERMUDA GRASS FIELD INSTALLER QUALIFICATIONS

- A. A contractor specializing in the grading and grassing of athletic fields shall grade and install the Bermuda grass field. The specialty contractor shall submit a list of athletic field projects successfully completed during the past three years, including a list of three similar Bermuda

- B. Provide submittals for the following products for the Architects approval of prior to start of work on the sodding.
 - 1. Fertilizer
 - 2. For the track infield area and all Bermuda grass fields, submit planting soil analyses of the existing and imported soils for approval at no additional cost to the Owner. If the soil composition within the track area is uniform, collect cores for a composition sample from approximately six dispersed areas and within the top 6" of the soil. The analysis shall show % of organic material in the soil through the loss on Ignition by Volume soil test method, indicate the soil pH and with recommendations from the testing laboratory for additional topsoil, fertilizer type and application rate, and other soil amendments necessary to bring the top 6" of soils in the Bermuda grass areas to the following specified levels:
 - a. Percolation rate: minimum 4" per hour in the top six inches of soil
 - b. PH level: 6.0 - 7.0
 - c. Soil Organic Content 5% minimum /20% maximum
 - d. Major and Minor nutrients as recommended by the laboratory
 - e. A South Florida agricultural testing laboratory acceptable to the Architect and the Owner shall perform all testing and recommendations.
 - 3. Herbicides
 - 4. Fire ant certification from the sod supplier
 - 5. Specialty grading and grassing contractor information as noted in Section 1.3 above.
- C. Section 01700 - Contract Closeout: Procedures for submittals.
- D. Operation Data: Submit for continuing Owner maintenance.
- E. Maintenance Data: Include maintenance instructions, cutting method and maximum grass height, types, application frequency, and recommended coverage of fertilizer.

1.7 QUALITY ASSURANCE

- A. Sod: Minimum age of 18 months, with root development that will support its own weight without tearing, when suspended vertically by holding the upper two corners.
- B. Submit sod certification for grass species and location of sod source.
- C. Sod Producer: Company specializing in sod production and harvesting with minimum five years experience, and certified by the State of Florida.
- D. Installer: Company approved by the sod producer.

1.8 REGULATORY REQUIREMENTS

- A. Comply with regulatory agencies for fertilizer and herbicide composition.
- B. Provide certificate of compliance from authority having jurisdiction indicating approval of fertilizer and herbicide mixture.
- C. Contractor shall follow all regulations, ordinance, and code governing the work, including but not limited to permitting and inspections.

1.9 DELIVERY, STORAGE, AND PROTECTION

- A. Section 01600 - Material and Equipment: Transport, handle, store, and protect products.
- B. Deliver sod on pallets. Protect exposed roots from dehydration.
- C. All sod delivered to the site, shall be laid within 8 hours.

1.10 PROJECT CONDITIONS

3.13 Rolling and Topdressing of the Sod:

- A. Within one month of the laying the sod pieces, firmly press the sod into contact with the sod bed by rolling with a suitably sized mechanical roller or other approved equipment. The rolling operation shall provide a smooth and even surface conforming to the grades shown on the grading plan, and insure knitting of sod without displacement of sod or deformation of the surfaces.
- B. All developed unevenness or depressions in the lawn surfaces shall be top dressed as required to achieve a smooth and even finish. Top dressing shall not be applied more than 1" thick. In the case that the lawn surface requires more than 1" of correction, remove, re-grade, and re-sod the uneven areas.

3.14 GUARANTEE AND REPLACEMENT

- A. Contractor shall guarantee all sod work up until the end of the maintenance period. Contractor shall replace any defective or distressed grass materials at no additional cost to the Owner.

1. Mowing all lawn areas no less than every week, and the removal of all visible amounts of grass clippings from the lawn areas. Do not cut the lawn in more than 1/4" increments. Mow Bermuda grass to an approximately 3/4" height.
2. Edging of all pavements and curbs no less than every week.
3. Eradication of all harmful insects (including ants).
4. Control of all lawn and soil diseases.
5. Watering and fertilizing as required to maintain all lawn areas in an excellent condition for plant growth and sports field use. Grass is required to be in a healthy and green condition at the time of final acceptance.
6. Eradication of all weeds in the lawns as necessary for the grass to conform to the specification in paragraph 2.1.
7. All other work as necessary for the specialty Contractor to ensure a high quality sports field turf.

END OF SECTION