

**DIVISION 32 Section 329200 LAWNS AND GRASSES****Part 1: General**1.1 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of Shepherd University for lawns and grasses.
- B. Project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However unless adequate written justification is provided, then it is expected that these guidelines will govern the design and specifications.

1.2 Submittals

- A. Product Data: For each type of product indicated.
- B. Material Test Reports: For existing surface soil and imported topsoil.
- C. Maintenance Instructions: Recommended procedures to be approved by the owner for the maintenance of the lawns during a calendar year. Submit before expiration of required maintenance periods.

1.3 Quality Assurance

- A. Topsoil Analysis: Furnish soil analysis by a qualified soil-testing laboratory stating percentages of organic matter; gradation of sand, silt, and the clay content; pH and the mineral and plant-nutrient content of the soil.
  - 1. Report suitability of topsoil for lawn growth. State recommended quantities of nitrogen, phosphorus, and potash nutrients and soil amendments to be added to produce satisfactory topsoil.
- B. Preinstallation Conference; conduct conference at the Project site prior to any planting or Sodding.



#### 1.4 Scheduling

A. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with maintenance periods to provide required maintenance from the date of substantial competition.

1. Spring planting: March 15-June 15.
2. Summer planting: June 16-August 31
3. Fall: September 1- November 15

B. Spring or Fall plantings are the preferred, if Summer plantings are used then additional watering shall be used to guarantee the survival of the plantings.

#### 1.5 Lawn Maintenance

A. Begin maintenance immediately after each area is planted and continues until acceptable lawn is established, but not less than the following periods:

1. Seeded Lawns: 60 days from the date of Substantial Completion.
  - a. When full maintenance period has not elapsed before end of planting season, or if lawn is not fully established, continue maintenance during the next planting season.

2. Sodded Lawns: 30 days from date of Substantial Completion.

B. Mow lawn as soon as top growth is tall enough to cut (max 3"). Schedule initial and subsequent mowing to maintain the following grass height:

1. Mow grass 1-1/2 to 2 inches high.

### **PART 2: PRODUCTS**

#### 2.1 Seed

A. Grass seed: Use Impact Kentucky Bluegrass



## 2.2 Turfgrass sod

- A. Turfgrass sod: Certified Number 1 Quality/Premium, including limitations on the thatch, weeds, diseases, nematodes, insects, complying with TPI'S " Specifications for Turfgrass Sod Materials" in its "Guideline Specifications to Turfgrass Sodding". Furnish viable sod of uniform density, color, and texture, strongly rooted, and capable of vigorous growth and development when planted.
- B. Turfgrass Species: Sod of grass species as follows, with not less than 95% germination, not less than 85% percent pure seed, and not more than 0.5 % weed seed.
  - 1. Full Sun: Kentucky Bluegrass (*Poa pratensis*), a minimum of three cultivars.
  - 2. Sun and Partial Shade: Proportioned by weight as follows:
    - a. 50% Kentucky Bluegrass.
    - b. 30% Tarheel Tall Fescue.
    - c. 10% Brightstar perennial ryegrass.
    - d. 10% Redtop.
  - 3. Shade: Proportioned by weight as follows:
    - a. 50% Tarheel Tall Fescue
    - b. 35% Rough Bluegrass
    - c. 15% Red top

## 2.3 Topsoil

- A. Topsoil: ASTM D 5268, ph Range of 5.5 to 7.0 minimum of 6% organic material content; free of stones 1" or larger in any dimension and other extraneous materials harmful to plant growth. To be determined by Shepherd University's project manger.

## 2.4 Inorganic Soil Amendments



A. Lime: ASTM C 602, agricultural limestone containing a minimum 80% calcium carbonate equivalent and as follows:

1. Class: Class O, with a minimum 95% percent passing through No. 8 sieve and a minimum 55 percent passing through No. 60 sieve.

B. **Sulfur**: Granular biodegradable, containing a minimum of 90 percent sulfur, with a minimum 99 percent passing through No. 6 sieve and maximum 10 percent passing through No. 40 sieve.

## 2.5 Organic Soil Amendments

A. Compost: Well composted, stable, and weed free organic matter, ph range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1/2 inch sieve; soluble salt content of 5 to 10 decisiemens/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings: and as follows.

1. Organic Matter Content; 50 to 60 percent of dry weight.

## 2.6 Fertilizer

A. Nutrients: 5-8-5 Super 8 Starter Fertilizer

## **PART #: EXECUTION**

### 3.1 Lawn Preparation

A. Newly Graded Subgrades: Loosen subgrade to a minimum depth of 6 inches. Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous material and legally dispose of them off owners property.

1. Spread planting soil mix to a depth of 6 inches, but not less than required to meet finish grades after light rolling and natural settlement.

2. Spread approximately one-half the thickness of the planting soil mix over the loosened subgrade. Mix thoroughly into the top 2 inches of the subgrade. Spread the remainder of the planting soil mix over the area being planted.

- B. Unchanged Subgrades: If lawns are to be planted in areas unaltered or undisturbed by excavation, grading, or surface soil stripping operations, prepare surface soil as follows:
  - 1. Loosen surface soil to a depth of six inches. Apply soil amendments and fertilizer according to planting soil mixture proportions and mix thoroughly into the top six inches of the soil.
  - 2. Remove stones larger than 1 inch in any dimensions and sticks, roots, trash, and other extraneous matter.

### 3.2 Seeding

- A. Sow seed at the rate of 3 to 4 lb/1000 sq. feet.

### 3.3 Sodding

- A. Lay sod within 24 hours of harvesting.

### 3.4 Satisfactory Lawns

- A. Satisfactory Seeded Lawn: At the end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities.
- B. Reestablished lawns that do not comply with the requirements and continue maintenance until lawns are satisfactory.

**End of section**