

## SECTION 32 92 00 - TURF AND GRASSES

### PART 1 - GENERAL

#### 1.1 SYSTEM PERFORMANCE REQUIREMENTS

- A. Design Requirements
  - 1. Provide type of sod or seed for repair or replacement of existing turf to match the surrounding turf.

#### 1.2 DELIVERY, STORAGE, AND HANDLING

- A. Sod
  - 1. Do not use sod left out for more than 24 hours without approval from the University Project Manager.
  - 2. Keep sod in rolls moist and protected from exposure to sun, wind and heat.
  - 3. Protect all sod transported in open vehicles for a distance of more than 25 miles.
  - 4. Notify the University Project Manager of all sources of sod 3 business days in advance of cutting.
- B. Seed
  - 1. Deliver seed in original sealed, labeled, and undamaged containers.

#### 1.3 WARRANTY

- 1. Provide warranty for sod and seed for a period of one year from the date of final completion. The warranty period begins anew for each required replacement of sod.
- 2. Warranty Condition:
  - a. Resod or reseed all areas when sod or seed is no longer in a satisfactory growing condition as determined by the A/E for the entire warranty period.
  - a. Replacement will not be allowed in any season determined unfavorable for sodding or seeding.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Sod:
  - 1. Provide new sod of uniform density, color, and texture, and strongly rooted.
  - 2. All sod: equivalent of a 90% Turf-type Tall Fescue (2 varieties), 10% Improved Kentucky Bluegrass sod or as approved by The University Facility Operations through the University Project Manager.
  - 3. Provide sod with a vigorous and healthy root system that has been regularly watered, mowed, fertilized and sprayed for weeds in the sod nursery.
  - 4. Provide each piece of sod free of objectionable weeds.
  - 5. Provide sod that will not tear, break or crumble during the handling and placing of the sod.
  - 6. Unless short and smooth, clip the grass with a lawn mower to a height of two inches before it is lifted. Cut the sod evenly not more than one inch thick and cut in strips approximately eighteen inches in width.
- B. Seed:
  - 1. Grass seed to be fresh, clean, dry, new seed proportioned by weight as follows:
    - a. Equivalent of a 90% Turf-type Tall Fescue (2 varieties), 10% Improved Kentucky Bluegrass seed or as approved by The University Facility Operations through the University Project Manager.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Sodding and Seeding Season:
  - 1. Sod or seed only after April 1 and before October 1 unless approved by the A/E.
  - 2. Sod or seed only when weather and soil conditions permit in accordance with locally accepted practice.
- B. Lawn Area Preparation:
  - 1. Spread well rotted cow manure over the surface of the ground of the areas to be covered at the minimum rate of three cubic yards per thousand square feet. Thoroughly till the areas to a depth of from a minimum of 4 inches to a maximum of 6 inches until no manure appears on the surface.
  - 2. Remove all sticks, stones and other debris appearing on the surface or larger than 1 inch in any dimension. Grade the entire surface so that no unevenness appears. Finish grade in accordance to grading plan and remove any high or low spots to obtain an even surface.
- C. Lawn Installation:
  - 1. Verify areas to be sodded or seeded are smooth before any sodding or seeding is to be done. If slopes are steeper than 2:1, lightly and sufficiently water the bed.
  - 2. Lay sod by staggering joints. On any slopes, run the sod perpendicular to the slope. When in position, water the sod, then roll and/or tamp into contact with the soil, so that no open joints are apparent. After laying the sod, fertilize with a commercial fertilizer 20-20-10 at the rate of ten pounds per thousand square feet.
  - 3. Drill seed areas requiring seeding. Sow seed at a rate of 5-6 lbs/1000 sf.
  - 4. Protect seeded areas with slopes not exceeding 1:6 by spreading straw mulch. Spread uniformly to form a continuous blanket 1 ½ inches in loose depth over seeded areas. Crimp mulch.
- D. Watering:
  - 1. Directly following installation, water the sod lightly and sufficiently to a depth of 4 inches with care so that no erosion takes place and so that no gullies are formed.
  - 2. Water sod and seed in early morning and afternoon for at least five successive days after laying to establish the lawn as determined by the University Project Manager. During hot weather, keep the sod moist and do not allow to dry out for a minimum of three weeks after installation.
- E. Maintenance of Turf:
  - 1. General: Maintain lawns by watering, fertilizing, weeding, mowing, trimming, and other operations such as aerating, rolling, regrading and resodding as necessary to establish a smooth, acceptable lawn, free of eroded or bare areas or as directed by the Architect.
    - a. Overwatering of lawn, which causes stress to trees, is not allowed.
  - 2. Maintenance Period: Begin maintenance immediately after sodding or seeding. Maintain lawn areas until the end of the Warranty period. If sodding occurs in autumn and maintenance has not been performed, or if work was not yet acceptable at the end of autumn growing season (October 1), continue maintenance the following spring beginning April 1 (or sooner, weather permitting) and continue to the end of the warranty period.
  - 3. Mowing and Trimming: Mow and trim around trees (keeping mulch in saucers and beds), walls, fences, etc., maintaining turf at 2 – 2 3/4" height. Do not remove more than 33% of grass leaf in single mowing. Remove grass clippings from pavements areas.

**END OF SECTION 32 92 00**