PART I - GENERAL

1.1 SECTION INCLUDES
   A. Seeding, sodding and lawn restoration.
   B. Restoration work to provide the quality of landscape equal to or better than that which existed before initiation of the Project.

1.2 RELATED SECTIONS/DOCUMENTS
   A. Section 32 91 19.13 – Topsoil Placement and Grading

1.3 PROTECTION
   A. Only vehicles and equipment necessary to perform the Work shall be permitted on lawn areas.

1.4 SUBMITTALS
   A. Certificates of Conformance or Compliance
      1. Sod and seed blend.
      2. Fertilizer: bag label with guaranteed analysis.
      3. Seeding method to be used with list of equipment.

1.5 FINAL ACCEPTANCE
   A. Final inspection and acceptance will be at the end of the turf establishment period. Acceptance shall be based upon a satisfactory stand of turf defined as 95 percent ground cover of species established.
   B. Reestablish turf in areas that do not have 95 percent ground cover of the established species. Repair rejected areas of turf within acceptable planting dates as directed by Owner's Representative.

PART 2 - PRODUCTS

2.1 MATERIALS
   A. Sod: Use top quality, 12 to18 month old turf type tall fescue sod consisting of a minimum of 3 varieties evenly blended. Sod shall be cut 3/4-inch thick, 18 inches wide, and 6-feet long with each piece being of uniform size and thickness for proper installation.
   B. Seed: The standard seed mix is 100% turf type tall fescue with at least 3 varieties. Hydromulch seeding is preferred. Seeding is preferred over sodding.
   C. Erosion control blankets should only be used on slopes when necessary. Blankets should be biodegradable (as opposed to just photodegradable) in a short period to make sure they do not impact mowing operations.
   D. Fertilizer shall be high phosphorous fertilizer of ratio 1:2:1 at a rate of 0.5 lbs. of nitrogen per 1000 sq.ft.
   E. Water will be furnished by Owner. Contractor shall furnish all hoses, meters, back flow preventers, and any other connections necessary to perform watering needs.

PART 3 - EXECUTION

3.1 PREPARATION
A. Topsoil depth shall be a minimum of 1-foot. Topsoil shall not be used while in a frozen or muddy condition. The Contractor shall dispose of surplus materials.

B. Scarify compacted areas to a depth of 18-inches. Scarify compacted subsoil before topsoil is added. Work the soil down to pea sized particles and form an appropriate grade that will allow sod to be just below flush with paved areas or as required for seeded areas.

C. Roll the area with an appropriately sized roller used in landscaping to firm the turf bed, then relevel to the appropriate grade.

3.2 SOD INSTALLATION

A. Sod shall be properly moist at the time of cutting and shall be laid within 24 hours of cutting to prevent excessive heat buildup.

B. Lay sod with the ends staggered by a minimum of 1-foot. Adjust the sod so the seams are firmly butted together and curled edges are laid flat.

C. Water thoroughly until subsoil is wet and whenever sod shows signs of drying or wilting. Sprinklers or nozzle hoses are acceptable. Continue watering until the Project is accepted.

D. Fertilize immediately prior to or immediately after the sodding operation.

E. Timing of the Work shall be done at typically accepted times in spring or fall when temperatures are mild and establishment can be completed.

F. Maintain lawn for 30 days after installation, including watering, weeding, resodding, mowing, trimming, and edging. Mow grass at regular intervals to maintain at a maximum height of 2.5 inches. Do not cut off more than 1/3 of the height at any one mowing.

G. Damage resulting from erosion, washouts, drought, diseases, or other causes shall be repaired by filling with topsoil, tamping, fertilizing, and sodding by the Contractor at no additional compensation. Sod operations shall be repeated until a satisfactory uniform stand of grass is obtained as determined by the AE.

3.3 SEEDING OPERATION

A. Rake seed for good soil contact.

B. Water with sprinklers whenever soil surface is dry and until small puddles just begin to form. Open ended hoses will not be accepted. Continue proper watering schedule until the Project is accepted.

C. Fertilize immediately prior to or immediately after seeding.

D. Timing of work shall be done between April 15 and May 15 or between August 15 and October 15 when temperatures are mild and establishment can be completed.

E. Maintain lawn for 30 days after installation, including watering, weeding, reseeding, mowing, trimming, and edging. Mow grass at regular intervals to maintain at a maximum height of 2.5 inches. Do not cut off more than 1/3 of the height at any one mowing.

F. Damage resulting from erosion, washouts, drought, diseases, or other causes shall be repaired by filling with topsoil, tamping, fertilizing, and seeding by the Contractor at no additional compensation. Seed operations shall be repeated until a satisfactory uniform stand of grass is obtained as determined by the AE.

END OF SECTION 32 92 00

This section of the U of I Facilities Standards establishes minimum requirements only. It should not be used as a complete specification.