

SECTION 02930
LAWNS AND GRASSES

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. This Section covers the replacement of sod in lawns disturbed by the construction.

1.02 RELATED WORK

- A. Section 02220 - Excavation, Backfilling, and Compacting

1.03 SCOPE OF WORK

- A. This Section covers the furnishing and placing of sod to form solid mats on areas disturbed by the Contractor.
- B. It covers the furnishing and applying of water for sod.
- C. It covers the furnishing and placing of four (4) inches of topsoil on areas.
- D. It covers the furnishing and placing of fertilizer.
- E. All work shall be in accordance with details noted in these specifications.

PART 2 - PRODUCTS

2.01 SOD

- A. Solid sod shall be cut from well established viable Bermuda, Zoysia or St. Augustine grass. Sod type shall match that established in the disturbed areas.

2.02 TOPSOIL

- A. Topsoil shall be reasonably free from subsoil, clay, lumps, brush, objectionable weeds and/or other litter and shall be free from roots and toxic substances or other material or substances that might be harmful to plant growth or be a hindrance to grading, planting and maintenance operations.

2.03 FERTILIZER

Fertilizer shall be a standard commercial product complying with State and Federal laws and with the requirements issued by proper authorities.

- A. Fertilizer shall be delivered to the site in the manufacturer's original container, on which shall be plainly marked the manufacturer's name and the guaranteed chemical analysis.
- B. Fertilizer shall contain not less than the percentages by weight of ingredients as follows:

Nitrogen	- 12 percent
Phosphorus, P2O5	- 12 percent
Potash, K2O	- 12 percent

- C. All fertilizer shall be solid and shall be in a condition which will permit proper distribution.

2.04 WATER

- A. Water shall be free from any substances, in solution or in suspension, which would inhibit the rapid growth of grass.

PART 3 - EXECUTION

3.01 SOD PLACEMENT

- A. In this paragraph, "Solid Sod" is interchangeable with the word "sod."
- B. Solid sod or topsoil shall not be placed until all other items of work are complete.
- C. Areas to be sodded shall be shaped in such manner that they will, after placement of sod, conform to the typical sections.
- D. Prior to placing the topsoil in the areas designated, the ground surface shall be cleared of materials that might hinder proper grading, tillage, or subsequent maintenance operations such as stumps, stones, roots, cable, wire, grade stakes, etc., and brought to four (4) inches below the finished grade. The areas shall then be thoroughly tilled to a depth of at least two (2) inches by plowing, disking, harrowing or other acceptable means.
- E. The Contractor shall then obtain an approved topsoil from any available source and place uniformly on the designated areas and spread evenly to a minimum thickness of four (4) inches. Irregularities in the surface shall be corrected so as to prevent formation of depressions where water will stand. **TOPSOIL SHALL NOT BE PLACED WHEN THE SUBGRADE IS FROZEN, EXCESSIVELY WET, OR IN A CONDITION DETRIMENTAL TO THE PROPOSED PLANTING AND PROPER GRADING.**
- F. After the topsoil has been spread and graded, the surface shall be cleared of stones, stumps or other objects that might hinder planting or maintenance preparations. Paved areas over which hauling operations are conducted shall be kept clean.

- G. Where any portion of the surface becomes gullied or otherwise damaged, the affected areas shall be repaired to the aforementioned condition.

3.02 FERTILIZER APPLICATION

- A. Fertilizer shall be applied to the loosened layers (two (2) inches deep) at the rate of one and one-half (1-1/2) pounds per 100 square feet for all areas, regardless of whether topsoil has been added. Distribution shall be uniform.

3.03 WATERING

- A. Prior to placement of sod, areas shall be sprinkled with water sufficiently to make them moist, but not muddy. The initial application of water may be omitted if the area is moist from rainfall.
- B. Immediately following the placing and tamping of sod, the covered area shall be wetted thoroughly. Subsequent applications of water shall be as required.

3.04 COMPLETENESS

- A. The sodding operations shall not be considered complete until it has produced areas of living grass, that has a solid root structure.

3.05 INTERMITTENT CLEANUP

- A. Immediately following the sodding operations, all gutters, sidewalks, driveways, street pavement, yard or other areas shall be cleaned of all debris, excess sod, topsoil or other objectionable matter. All such cleanup operations shall be completed before sodded areas are measured for payment.

END OF SECTION 02930