
**SECTION 02900
TURF ESTABLISHMENT**

PART I: GENERAL

1.1 GENERAL REQUIREMENTS

- A. Minimum requirements for acceptance of grass cover for erosion control.
- B. Requirements for preparing ground, providing and planting St. Augustine grass, providing and distributing Fertilizer and subsequent watering.

1.2 MEASUREMENT AND PAYMENT

- A. Unit Prices:
 - 1. Payment for Hydromulch seeding is on an acre basis.
 - 2. Payment for sodding is on a square yard basis.
 - 3. Refer to Section 01270 – Measurement and Payment for unit price procedures.
- B. Stipulated Price (Lump Sum):
 - 1. If Contract is Stipulated Price Contract, payment for work in this Section is included in Total Stipulated Price.
- C. Payment for all seeding either Hydromulch or Sodding shall be only to the extent of the limits in the Drawings. The Contractor shall replace all damaged ground cover outside of the limits shown on the Drawings at no cost to the City.

1.3 SUBMITTALS

- A. The following submittals shall be made prior to beginning of turf establishment.
 - 1. Vegetative Plan which shall include:
 - a. Seed bed preparation.
 - b. Method of seeding.
 - c. Seed.
 - d. Species.
 - e. Rate of application.
 - f. Optimum planting dates.
 - g. Seed quality requirements.
 - h. Fertilizer.
 - i. Nutrient ration required.
 - j. Schedule of application.
 - k. Rate of application.
 - l. Method of applications.
 - m. Weed control methods.
 - 2. Extended maintenance plan.

1.4 REFERENCES

- A. CFTS – City of Friendswood Technical Specifications.

PART II: PRODUCTS

2.1. TOPSOIL

- A. Topsoil that is either stripped and stockpiled or hauled in shall conform to Section 02905 – Topsoil.

2.2 SOD

- A. Sodding shall conform to Section 02915 – Sodding.

2.3 Hydromulch Seed

- A. Hydromulch seed shall conform to Section 02910 – Hydromulch Seeding. Hydromulch seeding shall be appropriate for the season in which it is being applied.

2.4 FERTILIZER

- A. Fertilizer shall be of nutrient ratio specified in Vegetative Plan. Bagged or bulk fertilizer will be acceptable. If bulk fertilizer is used, Vendor shall sign Invoice to certify analysis. Only free-flowing uncontaminated fertilizer will be acceptable. Fertilizer shall conform to the specifications of Sections 02910 – Hydromulch Seeding and 02915 – Sodding.

PART III: EXECUTION

3.1 GENERAL

- A. Turf establishment shall begin as soon as practically and economically feasible after approval by the Project Manager.
- B. Proceed with seeding when environmental conditions are favorable.
- C. Repair erosion occurring after topsoil placement but before beginning turf establishment.

3.2 TOPSOIL

- A. Strip topsoil and stockpile in conformance with Section 02905 – Topsoil.
- B. Place topsoil as shown in the Drawings to a depth of four inches (4 In) loose.
- C. Do not under any circumstances, start fertilization and seeding before the topsoil has been approved by either a Landscape Architect or the Project Manager or both. Failure to get approval shall have all seeding and topsoil removed and replaced at no cost to the City.

3.2 PLANTING OPERATIONS

- A. After topsoil placement and approval of the Project Manager, apply fertilizer at a rate of eighty (80) – eighty (80) per acre.
- B. Disc fertilizer into seedbed.
- C. Roll seedbed to compact soil.

- D. Weed control shall be carried out during guarantee period as detailed in Vegetative Plan.
- E. Rates, mixtures and techniques may be adjusted by Certified Professional Agronomist depending on season topsoil placement in completed with the approval of the Project Manager.
- F. Plant San Augustine or Bermuda sod in residential areas and next to curb for erosion control in lieu of silt fencing.
- G. Hydromulch all other areas not in residential areas with Bermuda seed mix.
- H. Contractor shall guarantee at least ninety-five percent (95%) cover for grass in any ten square yard (10 Sy) area sampled at the end of one year (1 Yr) from date of acceptance of maintenance responsibility by the City. Any area that does not have grass cover at the end of guarantee period will be reestablished by Contractor at no additional cost to the Owner. The City shall not accept maintenance responsibilities until either the end of the one year (1 Yr) guarantee period or when grass covers at least ninety-five percent (95%) of the area; whichever is later.

END OF SECTION