SECTION 02932

HYDROMULCH SEEDING

PART 1 G E N E R A L

1.01 SECTION INCLUDES

A. Seeding, fertilizing, mulching, and maintenance of areas indicated on Drawings.

1.02 UNIT PRICES

A. No separate payment will be made for work performed under this Section unless unit cost is included in the Bid Proposal. Include cost for such work in unit cost for utility in the Bid Proposal.

1.03 SUBMITTALS

A. Submittals shall conform to requirements of all provisions and sections of these specifications.

B. Submit certification from supplier that each type of seed conforms to these specification requirements and the requirements of the Texas Seed Law. Certification shall accompany seed delivery.

C. Submit a certificate stating that fertilizer complies with these specification requirements and the requirements of the Texas Fertilizer Law.

PART 2 P R O D U C T S

2.01 MATERIALS

A. Topsoil: Conform to material requirements of Section 02920 - Topsoil.

B. Seed: Conform to U.S. Department of Agriculture rules and regulations of the Federal Seed Act and the Texas Seed Law. Seed shall be certified 90 percent pure and furnish 85 percent germination and meet the following requirements:

1. Rye: Fresh, clean, Italian rye grass seed (lollium multi-florum), mixed in labeled proportions. As tested, minimum percentages of impurities and germination must be labeled. Deliver in original unopened containers.

2. Bermuda: Extra-fancy, treated, lawn type common bermuda (Cynodon dactylon). Deliver in original, unopened container showing weight, analysis, name of vender, and germination test results.

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3. Wet, moldy, or otherwise damaged seed will not be accepted.

4. Seed requirements, application rates and planting dates are:

Type	Application Rate Pounds/A	Planting Date
Hulled Common Bermuda Grass 98/88	40	Jan 1 to Mar 31
Unhulled Common Bermuda Grass 98/88	40	
Hulled Common Bermuda Grass 98/88	40	Apr 1 to Sep 30
Hulled Common Bermuda Grass 98/88	40	
Unhulled Common Bermuda Grass 98/88	40	Oct 1 to Dec 31
Annual Rye Grass (Gulf)	30	

C. Fertilizer: Dry and free flowing, inorganic, water-soluble commercial fertilizer, which is uniform in composition. Deliver in unopened containers which bear the manufacturers guaranteed analysis. Caked, damaged, or otherwise unsuitable fertilizer will not be accepted. Fertilizer shall contain minimum percentages of the following elements:

Nitrogen	10 Percent
Phosphoric Acid	20 Percent
Potash	10 Percent

D. Mulch: Virgin wood cellulose fibers from whole wood chips having a minimum of 20 percent fibers 0.42 inches (10.7 mm) in length and 0.01 inches (0.27 mm) in diameter. Mulch shall be dyed green for coverage verification purposes.

E. Soil Stabilizer: "Terra Tack" 1 or approved equal.

F.   Weed control agent: Pre-emergent herbicide for grass areas, "Benefin" or approved equal.

PART 3   E X E C U T I O N

3.01   PREPARATION

A.   Place and compact topsoil in accordance with requirements of Section 02920 - Topsoil.

3.02   APPLICATION

A.   Seed: Apply uniformly at rates given in Paragraph 2.01 B for type of seed and planting date.

B.   Fertilizer: Apply uniformly at a rate of 500 pounds per acre.

C.   Mulch: Apply uniformly at a rate of 50 pounds per 1000 square feet.

D.   Soil stabilizer: Apply uniformly at a rate of 40 pounds per acre.

E.   Weed control agent: Apply at manufacturer's recommended rate prior to hydromulching.

F.   Suspend all operations under conditions of drought, excessive moisture, high winds, or extreme or prolonged cold with Owner' approval. Obtain the Owner's Representative's approval before resuming operations.

3.03   MAINTENANCE

A.   Maintain grassed areas a minimum of 90 days, or as required to establish an acceptable lawn with 85% coverage. No acceptance will be given until coverage is at least 85%. For areas seeded in the fall, continue maintenance the following spring until an acceptable lawn is established.

B.   Maintain grassed areas by watering, fertilizing, weeding, and trimming.

C.   Repair areas damaged by erosion by regrading, rolling and replanting.

END OF SECTION