

## **SECTION 24 TURF RENOVATION**

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### **24-01 GENERAL**

This work shall consist of all work associated with turf renovation in accordance with the Plans and these Standard Specifications.

### **24-02 MATERIALS**

Seed mix shall be 30% "Merit" Bluegrass and 70% Celebrity Perennial Ryegrass.

Fertilizer shall be a "starter" type fertilizer (15-15-15).

### **24-03 CONSTRUCTION**

#### **24-03.01 Silt Fence**

Plastic snow fencing is to be installed to isolate the renovation area. Signs will be provided by the City of Los Altos stating that the field is under renovation and will be closed until (date). Fenced areas shall coincide with irrigation systems in order to facilitate grow in procedures.

#### **24-03.02 Sprinkler System**

Prior to beginning renovation of the turf area, the Contractor shall inspect the existing sprinkler system. Any portion of the sprinkler system shall be repaired at no additional cost to the City. The sprinkler system shall be completely operational prior to commencement of turf renovation.

#### **24-03.03 Weed Control**

The fields shall be treated with a post emergent herbicide to eliminate broadleaf weeds.

#### **24-03.04 Grading**

Depressions greater than 1" in depth are to be filled with an approved loam to create a consistently crowned and even playing surface. Sites that have been disturbed during construction shall be regraded to provide a uniform surface that drains to adjacent catch basins or sheet flow for positive drainage.

#### **24-03.05 Turf Aeration**

All turf areas will be DOUBLE AERATED by completely aerating in one direction and then aerating crosswise (at 90 degree angles) in another direction. **All heads and quick couplers, or any other impediments will be flagged before the aerating is started.** All fields shall be aerated with a shatter tine type of machine to a depth of 8" to break up compaction. At this point the turf areas should be dragged to break up the cores.

#### **24-03.06 Seeding**

The entire area will be "Silt Seeded" in two directions. Seeding rates shall be 7 pounds of seed per 1000 square feet of field. Seed mix should be as specified herein. If the maximum discharge rate of the silt seeder does not meet the application rates, broadcast seeding will be allowed after the above procedures have been completed at the maximum rate setting. After seeding the area, it shall be rolled in two directions to set the seed in the soil and into the holes.

#### **24-03.07 Fertilization**

The area shall be fertilized using a fertilizer as specified herein. Fertilizer shall be spread evenly at a rate of 5 pounds per 1000 square feet.

#### **24-03.08 Top Dressing**

The area shall be top-dressed uniformly with a minimum of 1/4-inch layer of an approved loam top dressing material. After top dressing, the field shall be dragged in one direction to evenly distribute the top dressing material.

#### **24-03.09 Maintenance**

The Contractor shall be responsible for the grow-in of the renovated areas. The Contractor shall be responsible for irrigation scheduling and adjustments. The grow-in period shall be not less than 15 days for the preliminary germination of the rye grass. After this period, soil moisture levels will be kept sufficient for the development and germination of the blue grass seed, which is normally 25-30 days. The Contractor will mow the area. An expected germination and establishment rate of 95% of all turf seed is required. If less than 95%, the Contractor shall reseed and continue with the maintenance period at no extra cost to the City until acceptable to the Engineer.