**SPP01030 (01-01-21)**

***(When using seed mixtures within 500 feet of parks or environmental zones, consult with the BES Watershed Revegetation Program to verify that the proposed seed mixture does not contain banned invasive species.)***

### Section 01030 - Seeding

Comply with section 01030 of the Standard Construction Specifications modified as follows:

**01030.00** **Scope** – Add the following “soil preparation, type, depth,” and …. after the words “environmental mitigation”

Add the following subsection:

**01030.01 Definitions**

**Topsoil –** Originates from an A horizon of a natural soil or is a mineral soil with 3% or greater organic matter content, with a pH between 5.2 and 7.5, have a nutrient profile that is able to support plant growth, and a NRCS textural class similar to pre-development A horizon soils.

***(Use the following subsection .13(f) for seeding of lawns and/or slope areas. Lawn areas are defined as locations where the turf is mowed 3-20 times a year. Slopes would be locations that are un-mowed or infrequently mowed 1-2 times a year with fly-mows and where wheel mowers are unsuitable. Slope mixes may also be used as a natural area transition between lawn and wooded areas as a bird and wildlife cover. Delete what does not apply.)***

**01030.13(f) Types of Seed Mixes** - Provide the following seed mix formulas:

***(Use the following when lawn areas have 50% to 100% sun)***

* **Lawn Seeding**: Use a mixture of 100% perennial ryegrass from the top performing NTEP varieties for this area. The varieties need to be in the top 50% of the three most recent NTEP trails for Turf Quality. Perennial ryegrass varieties can be selected from the top 50% in Turf Quality inclusive of all three maintenance schedules A, B, & C. The seeding rate shall be 6-8 lbs/1000 sq ft for new lawn and 2-4 lbs/1000 sq ft to increase density of existing turf.

***(Use the following when lawn areas have 25% to 50% sun)***

* **Lawn Seeding**: Use a mixture of 50% perennial ryegrass and 50% hard fescue from the top performing NTEP varieties for this area. The varieties need to be in the top 50% of the three most recent NTEP trails for Turf Quality. Perennial ryegrass varieties can be selected from the top 50% in Turf Quality inclusive of all three maintenance schedules A, B, & C. The seeding rate shall be 4-6 lbs/1000 sq ft for new lawn and 2-4 lbs/1000 sq ft to increase density of existing turf.

***(Use the following on slopes and transition areas)***

* **Permanent Seeding, Slope**: Use a mixture of 45% tall fescue, 15% creeping red fescue, 15% hard fescue, 20% annual ryegrass, and 5% White Dutch clover. The seeding rate shall be 100 lbs/acre.

***(Use the following for water quality seeding. Obtain information from the BES Re-Veg Program or Parks Horticultural Services.)***

* **Water Quality Seeding**:

***(Use the following for wetland seeding. Obtain information from the BES Re-Veg Program or Parks Horticultural Services.)***

* **Wetland Seeding**:

***(Use the following for wildflower seeding. Obtain information from the Parks Horticultural Services.)***

* **Wildflower Seeding**:

***(Use the following for other types of seeding. Fill in type of seeding.)***

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Seeding:**

***(Use the following lead in sentence and subsection .14(b)(3) when fertilizer is required for turf grass. Requires the use of 01030.44(c))***

Add the following subsection:

**01030.14(b)(3) Turf Grass Fertilizer -** Furnish inorganic fertilizer that analyzes ­22% nitrogen, 5% phosphoric acid, 10% soluble potash with 1.9% iron. Provide at least 50% of the nitrogen as slow release. The iron shall be formulated in a manner which virtually eliminates the possibility of staining concrete.

***(Use the following lead in sentence and subsection .44 (c) when an inorganic fertilizer is required for turf grass. Requires the use of 01030.14(b)(3))***

Add the following subsection:

**01030.44(c) Turf Grass Fertilizer** - Apply inorganic fertilizerat a rate of 297 pounds per acre at the following locations:

**Station**  **Address** **Area (sq ft)** **Estimated Pounds**

***(Use the following subsection .80 when less than 0.6 acre of temporary and permanent seeding is required and it is paid for on the lump sum basis. Include quantities as appropriate. Delete what does not apply.)***

**01030.80 Measurement** - Add the following sentence after the first bullet:

Approximately \_\_\_ acre of temporary and permanent seeding is required on this Project.

***(Use the following subsection .80 paragraphs when bonded fiber matrix hydraulically applied matting with seeding and fertilizing in the application is required. Remove the subsection title if the title is included above.)***

**01030.90 Payment** - Add the following sentence to the end of this subsection:

Payment for native vegetation protection fencing shall be per section 01040

Dust prevention shall be incidental to Temporary Erosion and Sediment Control section 00280.

Dewatering shall be per section 01090 and Diversion of Flow shall be per section 00490.

No separate measurement will be made for bonded fiber matrix hydraulically applied seeding and fertilizer.