**Revision of Section 208**

**Coir Roll**

**Revise Section 208 of the Standard Specifications for this project as follows:**

**Subsection 208.02 shall include the following:**

(p) Coir Roll shall be a coir log made from 100 percent natural coconut palm tree (*Cocos nuceifera*) cleaned fiber core hydraulically compacted with a density of 7 pounds per cubic foot evenly distributed throughout the log. Core matrix and netting material shall consist of 100 percent bio-degradable product without any external additives (preservatives or colorings). The coir fiber tube netting consists of high tensile machine-spun bristle coir twine (coconut fiber) with a maximum opening of 2 inches by 2inches hand-knotted junctions with the following properties:

**Geotextile Requirements**

|  |  |  |
| --- | --- | --- |
| **Property** | **Requirement** | **Test Method** |
| 3 Ply Coir Twine Diameter | 4/10 in | ASTM |
| Netting Tensile Strength | 70 lb | ASTM D6818 |

Do not use burlap; it is not an acceptable fabric.

Coir Rolls shall have minimum dimensions as shown in the table below, based on the diameter of the coir log.

**Dimensions of Coir Rolls**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Coir Rolls Diameter** | **Length** | | **Weight (minimum)** | **Stake Dimensions** |
| **Min.** | **Max.** |
| 20 in | 7 1/2 ft | 20 ft | 14 1/2 lb/ft | 2 x 2 (nominal) x 18 in |
| 11 1/2 - 12 in | 7 1/2 ft | 20 ft | 3 lb/ft | 1 1/2 x 1 1/2 (nominal) x 30 in |

Secure Coir Rolls with wood stakes as per manufacturer’s recommendations.

Submit one entire coir roll for approval at least two weeks before the start of installation.

Subsection 208.11 shall include the following:

Measure Coir Rolls by the actual number of linear feet installed and accepted.

Subsection 208.12 shall include the following:

**Pay Item Pay Unit**

Coir Roll Linear foot