# Revision Of Section 216

# Soil Wrap

## Revise Section 216 of the Standard Specifications for this project as follows:

### Subsection 216.02 (a) shall include the following:

*4. Soil Wrap.* Soil wrapshall consist of double-layered 100 percent biodegradable natural materials without external additives (preservatives or colorings). All materials shall also be undyed or unbleached in any way.

1. Layer One (Coir Matting) shall consist of high-strength continuously woven coir matting, 100 percent coconut palm tree (*Cocos nuceifera*). Layer One (Coir Matting) shall have the following properties:

| **Property** | **Requirement** | **Test Method** |
| --- | --- | --- |
| Thickness | 0.3 in | ASTM D5199 |
| Mass Per Unit Area | 25 oz/sq yd | ASTM D5261 |
| Wide Width Tensile Strength Dry MD x TD (Primary Layer) | 1900 x 1350 lb/ft | ASTM D4595 |

Layer Two (Jute Fabric) shall consist of a tightly woven jute fabric, 100 percent vegetable fiber (*Corchorus malvaceae*). The two layers shall consist of two layers connected at regular intervals with high-tensile machine-spun bristle coir twine (coconut fiber) at maximally 12-inch centers. Do not allow polypropylene tread. Layer Two (Jute Fabric) shall have the following properties:

| **Property** | **Requirement** | **Test Method** |
| --- | --- | --- |
| Wide Width Tensile Strength MD x TD (Primary Layer) | 500 x 350 lb/ft | ASTM D4595 |
| Puncture Resistance  | 85 lb | ASTM D4833 |
| Apparent Opening Size | 18 in, US standard sieve | ASTM D4751 |

### Subsection 216.02 shall include the following:

*(e) Wood Stakes* Construct stakes from untreated wood at minimum nominal dimensions of 1.5 inches by 1.5 inches by 18 inches long.

### Subsection 216.03 shall include the following:

Install soil wrap according to the details shown on the plans.

### Subsection 216.07 shall include the following:

Measure soil wrap, including wood stakes, by the number of square yards installed and accepted.

### Subsection 216.08 shall include the following:

Pay the accepted quantities of soil wrap at the contract unit price per square yard.

**Pay Item Pay Unit**

Soil Wrap Square yard

Measure and pay for topsoil and soil conditioning per Sections 207 and 212.

Do not measure and pay for the wood stakes separately; include them in the work cost.