# **Section 216**

# Wood Stakes

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

## Subsection 216.02 shall include the following:

*(h) Wood Stakes.* Natural hard wood product that is 100 percent biodegradable, having a 12-inch length, with tapered to a point ends, and a notch near top end to hold down covering. The stake must have sufficient rigidity to resist breakage when driven into soil.

## In Subsection 216.03 delete (7) and replace it with the following:

*(7) Anchor the soil retention covering/erosion control blankets with wood stakes per standard details.*

## Delete Subsection 216.05 and replace it with the following:

**216.05 Channel Application**. Soil retention coverings shall be installed as follows on a channel application: Anchor coverings at the beginning and end of the channel across its entire width by burying the ends in a trench. Trench depth shall be a minimum of 6 inches, unless a larger depth is specified by the manufacturer’s recommendations. Before backfilling begins, wood stakes shall be installed to anchor the covering across the width of the trench. The trench shall then be backfilled to grade with soil amended with soil conditioning or topsoil and compacted by foot tamping and seeded. Fabric shall be brought back over the trench and anchored to the soil with wood stakes.

Covering shall be unrolled in the direction of flow and placed in the bottom of the channel first. Seams shall not be placed down the center of the channel bottom or in areas of concentrated flows when placing rolls side by side.

There shall be an overlap wherever one roll of covering ends and another begins with the upstream covering placed on top of the downstream covering. Anchor at overlap with two rows of staggered wood stakes.

There shall be an overlap wherever two widths of covering are applied side by side. Install wood stakes within the overlap to anchor covering. The covering shall have a channel check slot every 30 feet along the gradient of the flowline. Check slots shall extend the entire width of the channel. The covering shall be buried in a trench. Before backfilling begins, wood stakes shall be placed across the width of the trench. The trench shall then be backfilled to grade with soil amended with soil conditioning or topsoil, compacted by foot tamping, and seeded. Fabric shall be brought back over the trench and continued down the channel.

Coverings shall be securely fastened to the soil by installing wood stakes at the minimum rate shown on the plans. Wood stake spacing shall be reduced where needed due to soil type or high flows.

## Delete Subsection 216.07 and replace it with the following:

Soil retention coverings, including wood stakes, complete in place and accepted, will be measured by the square yard of finished surface, excluding overlap, which is installed and accepted. Wood stakes will be measured by the actual number of wood stakes complete in place and accepted.

**Subsection 216.08 shall include the following:**

| Pay Item | Pay Unit |
| --- | --- |
| Wood Stake | Each |