January 31, 2013

REVISION OF SECTION 208

EROSION LOG

**NOTICE**

This is a standard special provision that revises or modifies CDOT’s *Standard Specifications for Road and Bridge Construction.* It has gone through a formal review and approval process and has been issued by CDOT’s Project Development Branch with formal instructions for its use on CDOT construction projects. It is to be used as written without change. Do not use modified versions of this special provision on CDOT construction projects, and do not use this special provision on CDOT projects in a manner other than that specified in the instructions unless such use is first approved by CDOT’s Standards and Specifications Unit. The instructions for use on CDOT construction projects appear below.

Other agencies which use the *Standard Specifications for Road and Bridge Construction* to administer construction projects may use this special provision as appropriate and at their own risk.

**Instructions for use on CDOT construction projects:**

Use in projects having erosion logs.

January 31, 2013

REVISION OF SECTION 208

EROSION LOG

Section 208 of the Standard Specifications is hereby revised for this project as follows:

In subsection 208.02, delete (h) and replace with the following:

1. *Erosion log*. Shall be one of the following types unless otherwise shown on the plans:
2. Erosion Log (Type 1) shall be curled aspen wood excelsior with a consistent width of fibers evenly distributed throughout the log. The casing shall be seamless, photo-degradable tube netting and shall have minimum dimensions as shown in Table 208-1, based on the diameter of the log called for on the plans. The curled aspen wood excelsior shall be fungus free, resin free, and free of growth or germination inhibiting substances.
3. Erosion Log (Type 2) shall consist of a blend of 30-40 percent weed free compost and 60-70 percent wood chips. The compost/wood blend material shall pass a 50 mm (2 inch) sieve with a minimum of 70 percent retained on the 9.5 mm (3/8 inch) sieve and comply to subsection 212.02 for the remaining compost physical properties. The compost/wood chip blend may be pneumatically shot into a geotextile cylindrical bag or be pre-manufactured. The geotextile bag shall consist of material with openings of 3/8 inches of HDPE mesh,and contain the compost/wood chip material while not limiting water infiltration.

Erosion log (Type 1 and Type 2) shall have minimum dimensions as shown in Table 208-1, based on the diameter of the log.

**Table 208-1**

**NOMINAL DIMENSIONS OF EROSION LOGS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Diameter** | **Length (feet)** | | **Weight (minimum) (pounds/foot)** | **Stake Dimensions**  **(Inches)** |
|  | **Min.** | **Max.** |  |  |
| 9 inch | 10 | 180 | 1.6 | 1.5 by 1.5 (nominal) by 18 |
| 12 inch | 10 | 180 | 2.5 | 1.5 by 1.5(nominal) by 24 |
| 20 inch | 10 | 100 | 4.0 | 2 by 2 (nominal) by 30 |

Stakes to secure erosion logs shall consist of pinewood or hardwood.

Subsection 208.11 shall include the following:

All BMPs measured by the linear foot shall be determined along the centerline of the BMP. Measured length will not include required overlap.