

2114 - TEMPORARY SEDIMENT BARRIERS

SECTION 2114

TEMPORARY SEDIMENT BARRIERS

2114.1 DESCRIPTION

This specification is applicable to materials used as ditch checks or barriers designed to reduce water velocity and temporarily contain sediment.

2114.2 REQUIREMENTS

a. Geotextile Fabric for Temporary Silt Fence. Provide material that complies with AASHTO M 288 for unsupported silt fence, with 4 ft. maximum post spacing. Actual post spacing is as shown in the Contract Documents.

b. Posts. Provide wood, steel, or synthetic posts of sufficient strength to resist damage during installation and to support the applied loads. Length is to be as shown in the Contract Documents. Hardwood posts having dimensions of at least 1 3/16 x 1 3/16 inch, No. 2 Southern Pine at least 2 5/8 x 2 5/8 inch or steel posts of U, T, L, or C shape, weighing 0.95 lbs per foot minimum are satisfactory.

c. Prefabricated Silt Fence. Prefabricated silt fence systems that comply with geotextile fabric and posts in subsection 2114.2a. and 2114.2b.

d. Biodegradable Logs. Provide commercially available biodegradable logs manufactured from straw, excelsior wood fiber, coconut fiber, jute or other biodegradable material bound with an open mesh fabric of jute or light-weight plastic.

Do not use biodegradable logs manufactured from straw for ditch checks or inlet sediment barriers.

e. Synthetic Sediment Barriers. Provide synthetic sediment barrier materials such as Geo-Ridge Permeable Berm™, Triangular Silt Dike™ or equivalent. The Stormwater Compliance Engineer will consider an equivalent of the brand names specified. Provide the Engineer with a complete description, literature, test reports, etc. on the proposed equivalent prior to installation.

f. Filter Sock. Provide burlap or synthetic mesh bags, coarse aggregate, wood chips, compost or other permeable filler material to slow and filter stormwater runoff. Use only coarse aggregate filler for curb inlet protection.

2114.3 TEST METHODS

a. Silt Fence. As specified in AASHTO M 288.

b. Biodegradable Logs, Synthetic Sediment Barriers, and Filter Sock. None Required.

2114.4 PREQUALIFICATION

None Required.

2114.5 BASIS OF ACCEPTANCE

a. Geotextile for silt fence. Receipt and approval of a Type D certification as specified in **DIVISION 2600**, and visual inspection at the point of usage.

b. Posts. Visual inspection for condition and dimensional requirements at the point of usage.

c. Biodegradable Logs. Dimensional and other requirements shown in the Contract Documents, and visual inspection of the installed material.

d. Synthetic Sediment Barriers. Brand name and visual inspection of the installed material.

e. Filter Sock. Visual inspection and compliance with requirements in the Contract Documents.