

SPECIAL SPECIFICATION**XXXX****Biodegradable Erosion Control Logs**

1. **Description.** Furnish, install, maintain, and remove biodegradable erosion control logs as shown on the plans or as directed during construction to control erosion and sedimentation.
2. **Materials.**
 - A. **Core Material.** Furnish core material that is biodegradable or recyclable such as aspen excelsior wood fibers, chipped site vegetation, compost, mulch, agricultural rice or wheat straw, coconut fiber, 100% recyclable fibers, or any other acceptable material. No more than 5% of the material is permitted to escape from the containment mesh. Compost, if used, is to meet the requirements of Standard Specification, "Compost."
 - B. **Containment Mesh.** Furnish containment mesh that is 100% biodegradable or recyclable such as burlap, twine, UV photodegradable plastic, polyester, or any other acceptable material.
 - C. **Size.** Furnish biodegradable erosion control logs with a diameter of 18 in. or as shown on the plans or as directed by the Engineer.
3. **Construction.** Install biodegradable erosion control logs near the downstream perimeter of a disturbed area to intercept sediment from sheet flow. Incorporate the biodegradable erosion control logs into the erosion control measures used to control sediment in areas of higher flow. Install, align, and locate the biodegradable erosion control logs as specified below, as shown on the plans, or as directed. Use recycled biodegradable erosion control logs when allowed by the Engineer.

Anchoring. Secure biodegradable erosion control logs in a method adequate to prevent displacement as a result of normal rain events and to the satisfaction of the Engineer and such that flow is not allowed under the logs.
4. **Maintenance.** Routinely inspect and maintain the biodegradable erosion control logs in good condition (including staking, anchoring, etc.). Maintain the integrity of the control, including keeping the biodegradable erosion control logs free of accumulated silt, debris, etc., until earthwork construction and permanent erosion control features are in place, or the disturbed area has been adequately stabilized. Stabilize as described in Subarticle 4.C. of the Special Specification, "Temporary Erosion, Sedimentation, and Water Pollution Prevention and Control." Stabilize the areas damaged by the removal process using appropriate methods as approved.

Repair or entirely replace torn or punctured biodegradable erosion control logs as required and as directed. Temporarily remove and replace biodegradable erosion control logs as required to facilitate construction operations.

Remove the accumulated sediment deposit when it reaches a depth of approximately 6 in. and dispose of it at an approved site in a manner that will not contribute to additional siltation.

5. **Removal.** Remove biodegradable erosion control logs when directed by the Engineer.
6. **Measurement.** This Item will be measured by the linear foot, complete in place, measurement being made along the centerline of the top of the controls.
7. **Payment.** The work performed and materials furnished in accordance with this Item and measured as provided under “Measurement” will be paid for at the unit price bid for “Biodegradable Erosion Control Logs,” of the size specified. This price is full compensation for furnishing, placing, maintaining, temporarily removing and replacing as required to facilitate construction operations, and removing of the biodegradable erosion control logs and for all other materials, labor, tools, equipment, and incidentals.

Removing accumulated sediment deposits, as described under “Maintenance,” will be measured and paid for under the pertinent bid items of the Special Specification, “Earthwork for Erosion Control.”

Stabilization (as described under “Maintenance”) will be measured and paid for under the various pertinent bid items.

Example