

31 25 00 – Erosion and Sedimentation Controls

1. Introduction

- A. This Construction & Design standard covers planting guidelines to be used in conjunction with other related sections listed below:

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| 32 01 90 | Operation and Maintenance of Planting |
| 32 01 90 | Operation and Maintenance of Planting (Grasses) |
| 32 91 00 | Planting Preparation |
| 32 91 13 | Soil Preparation |
| 32 92 19 | Seeding |
| 32 92 23 | Sodding |

- B. Designers should coordinate with Duke University Landscape Services (LS) to coordinate selection and execution requirements for Erosion and Sedimentation Controls.

2. References

3. Design Standards

A. Erosion Control Materials

1. Erosion Control Blankets: Biodegradable wood excelsior, straw or coconut fiber mat. Include manufacturer's recommended wood stakes, 6 inches long.
 - a. No plastic mesh of any kind may be used.
2. Erosion Control Fiber Mesh: Biodegradable burlap or spun-coir mesh, a minimum of .92 pounds per square yard, with 50 to 65 percent open area. Include manufacturer's recommended wood stakes, 6" long.
 - a. Do not use wire staples.

4. Documentation and Review Requirements

5. Installation and Performance Requirements

A. Erosion control materials

1. For erosion-control blanket or mesh, install from top of slope, working downward and as recommended by material manufacturer for site conditions. Fasten as recommended by material manufacturer, with compliance with this spec.
2. Moisten prepared area before planting if surface is dry. Water thoroughly and allow surface to dry before planting. Do not create a muddy condition.

6. As-Built Requirements