



FRIENDLY ENVIRONMENT
100 Prince Street
Shelbyville, TN 37160
Phone: 1-866-H2O-EELS
Alternate Phone: (931) 639-0729

Installation Instructions for the Erosion Eel™

1. Erosion Eels can be placed at the top, on the face, or at the toe of slopes to intercept runoff, reduce flow velocity, releasing the runoff as sheet flow, and provide reduction/removal of suspended solids from the runoff.
2. Erosion Eels shall be installed along the ground contour, at the toe of slopes, at an angle to the contour to direct flow as a diversion berm, around inlet structures, in a ditch as a check dam to help reduce suspended solids loading and retain sediment, or as a general filter for any disturbed soil area.
3. No trenching is required for installation of Erosion Eels.
4. Prepare the bed for Eel installation by removing any large debris including rocks, soil clods, and woody vegetation (>1 inch in size). Erosion Eels can also be placed over paved surfaces including concrete and asphalt with no surface preparation required.
5. Rake bed area with a hand rake or by drag harrow.
6. All surfaces shall be uniformly and well-compacted for maximum seating and stability of the Eels in place.
7. Do not place Eel directly over rills and gullies until area has been hand excavated and raked to provide a level bedding surface in order for the Eels to seat uniformly with no bridging effects that would allow flow to bypass under the bag.
8. For locations where Eels will be placed in concentrated flows (such as check dams, inlet protection) and for perimeter controls at primary discharge locations, bed the Eels in a jute mesh (or FlocMat™) cradle.
9. If more than one erosion Eel is placed in a row, install the Eels by firmly butting the sewn end against tied end of the Eels together to form a butt joint. No wraps are required around the joints locations.
10. Eels shall be installed where the handles will be positioned at the very top of the bag.

11. Place anchoring posts for check dam applications behind (downstream of) the Eels.
12. Posts should be metal t-posts with a minimum weight of 1.25 lbs/ft steel 5 to 7 ft. lengths rolled from high carbon steel. Post should be hot dipped galvanized or coated with a weather-resistant paint. Post should have a metal anchor plate.
13. Do not drive the post through the erosion Eels. Install the Eels by bedding them in a jute cradle and placing them in contact with (e.g., butted against) the anchoring post.
14. T-post are to be embedded a minimum of 2 ft on most moderately sloped applications. Embed posts a minimum of 3 ft. into ground on slopes greater than 25%.