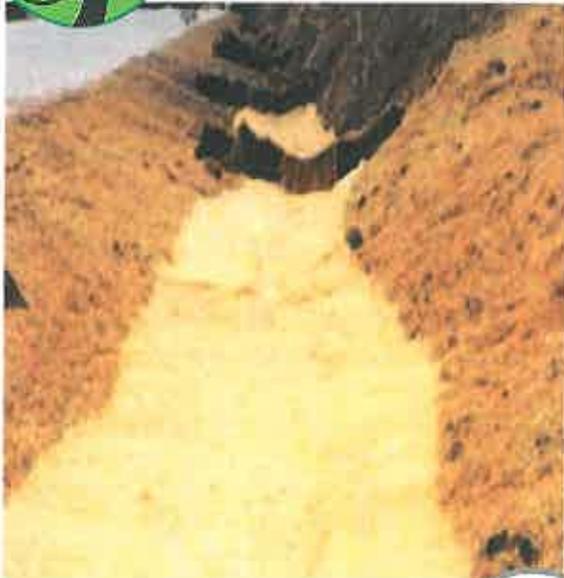


### Turf Reinforcement Mats



*Photo Source: Colorado Department of Transportation*

02-0105-11

Icons: A blue circle, a pink circle with a grid, a black circle with a tree, an orange circle with a tractor, and a large black circle with a scale.

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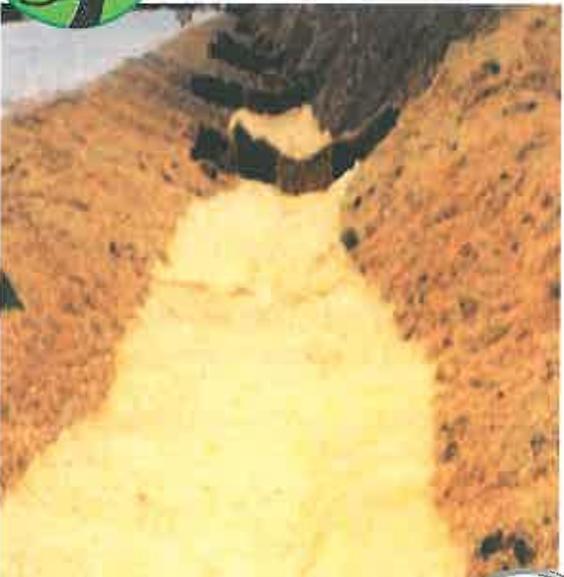


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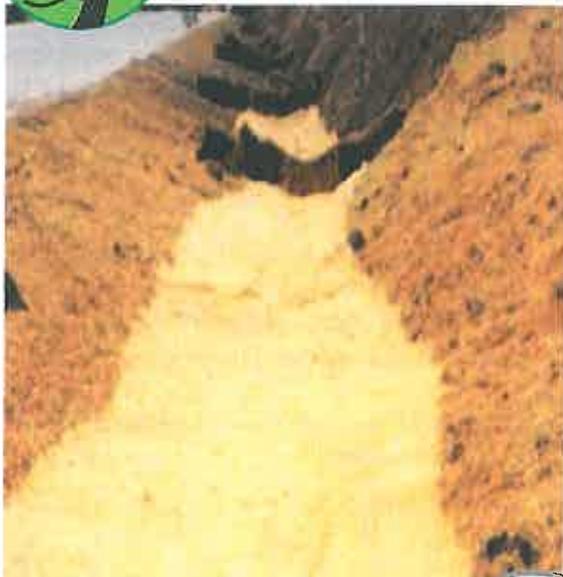


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## Turf Reinforcement Mats

One of the water quality Best Management Practices available for erosion control during CDOT highway construction is the use of turf reinforcement mats. This permanent BMP is used in ditches, swales and channels where water velocity exceeds the ability of mature vegetation to prevent erosion. The mats are used in transition areas immediately upstream or downstream from areas with riprap, concrete or asphalt.

These mats are made of UV-stabilized, non-degradable materials and are stapled into the ground. Soil loading, seeding and erosion control blankets cover the mats to eventually result in a vegetated drainage.

Guidance: CDOT Erosion Control and Stormwater Quality Guide, Chapter 5



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