Installation of Construction Site Erosion and Sediment Control Devices

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Topics Covered

- Erosion Control Blankets
- Check Dams
- Silt Fences
- Baffles
- Skimmer Basins
- Slope Drains
- Inlet Protection









Erosion Control Blankets

Installation (con't)

- 2. Overlap pieces
- 3. Staple to secure edges



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Erosion Control Blankets

Straw Matting

- 100% grain straw with netting
- 2:1 or steeper
- 12 months
- Max Shear
 1.6 lbs/ft²
- Max Velocity
 - 2 feet per sec



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Erosion Control Blanket Problems

- Blankets undermined
- Poorly secured with staples
- Ends not properly buried



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Permanent Soil Reinforcement Mats

- permanent products
- used in channels, slopes, stream banks when vegetation alone will not prevent erosion
- a.k.a <u>Turf</u> Reinforcement Mats (TRMs)
- High Shear Strengths
- UV resistant



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Permanent Soil Reinforcement Mats

Recyclex by American Excelsior

 100% recycled green or brown plastic bottles.

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Permanent Soil Reinforcement Mats

www.geo-synthetics.com/pdf/products/SI/product_193.pdf

m: http://v

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- SI Geosolutions Pyramat
- Woven polypropylene geotextile
- Green or tan
- Uniform, lofty, pyramid-like projections

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Fiber Check Dams

Curlex Sediment logs®

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Filled with 'curled' wood fibers

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Coir wattle with 'flaps' or 'wings' helps in getting good contact with the

water flowing over (the waterfall effect).

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