

# Erosion Control on Construction Sites

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# Erosion Control On Construction Sites

- How to minimize soil loss
- Best Management Practices

# Erosion Control On Construction Sites

## How to Minimize Soil Loss

- #1
  - Don't disturb the soil!
- #2
  - Keep it on the slope!
- #3
  - Keep it on the site!
- Why is this important?



# Erosion Control On Construction Sites

## Best Management Practices (BMP)

- What Are BMP?

“BMPs are scheduling of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.”

# Erosion Control On Construction Sites

## Two fundamental BMP

- Source Control or Site Stabilization
  - Preserving Natural Vegetation
  - Plastic Fencing
  - Mulching
  - Nets and Blankets
  - Straw Wattle
  - Plastic Sheeting
  - Construction Exit/Entrance

# Erosion Control On Construction Sites

Examples  
Tracking



# Erosion Control On Construction Sites

## Examples – Straw Wattle



# Erosion Control On Construction Sites

## Treatment or Sediment Control

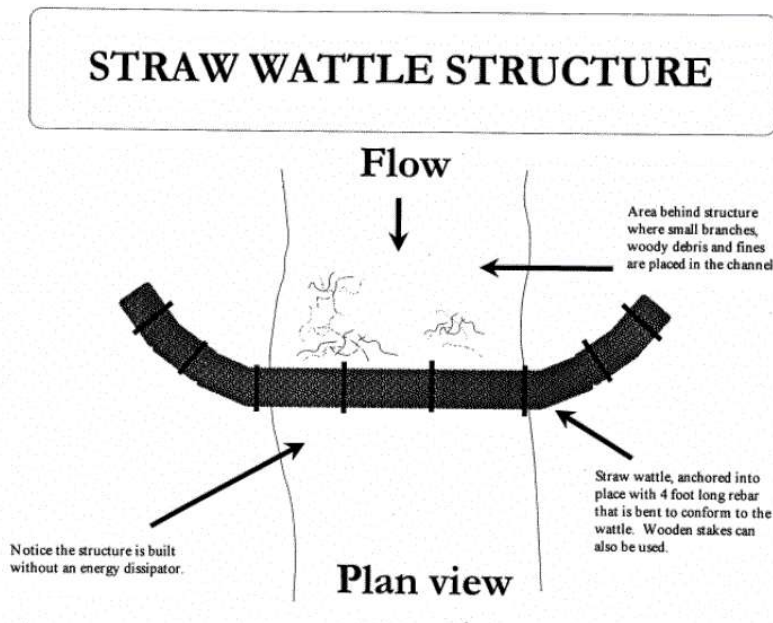
- De-silting Basin
- Check Dam
- Drain Inlet Protection
- Fiber Roll in Swale





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## Examples



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- Sediment Basin



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## References (a few):

- CASQA Manual –  
<http://www.cabmphandbooks.com/>
- **CALTRANS** – Construction Site BMP Field Manual and Trouble Shooting Guide.

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Questions