

# Runoff Conveyance BMPs

Move the water without more damage!



1

## Runoff Conveyance BMPS



These BMPs prevent the more devastating types of erosion by keeping water away from bare soils



Allows you to responsibly convey water to a collection point



Planning ahead to incorporate conveyance can be a simple solution to avoiding many problems



2

## Runoff Controls BMPs



Keep Clean  
Water –  
Clean!



3

## Lining Channels, Ditches & Swales



4

## Plastic

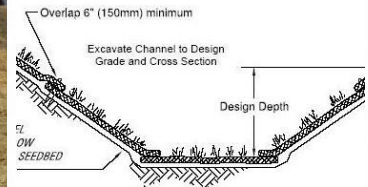


## Grass Lined Channels





## Channel Lining BMP



7

## Geosynthetic Fabrics and Liners



8

## Ditch Structural Integrity



9

## Ditch Structural Integrity



TRM



10



## Manufactured ditch liners



11

## Slope Conveyance



12



## Water Bars



13

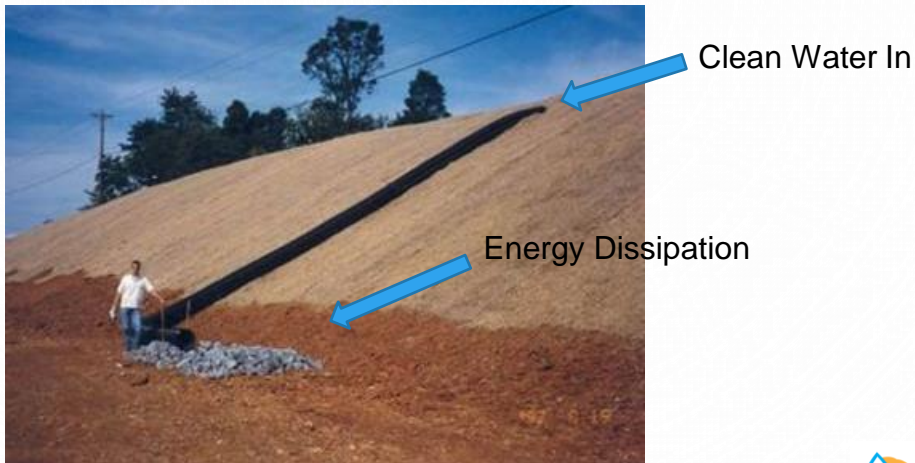


## Pipe Slope Drains



14

## Proper Slope Drains



15

## Interception and Dissipation

Reduces velocity of runoff and dissipates energy, which reduces erosion

Intercepts and detains small amounts of sediment

Reduces sediment transport

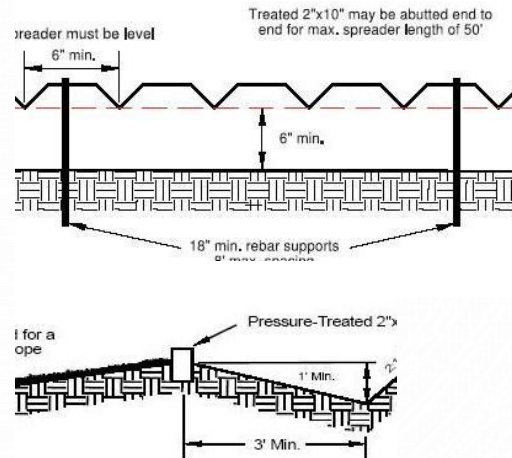
May not be placed in streams or wetlands



16



# Level Spreader



17

# Vegetated Spray Fields



18



## Outlet Protection



19

## Check Dams



20



## Check Dam Spacing



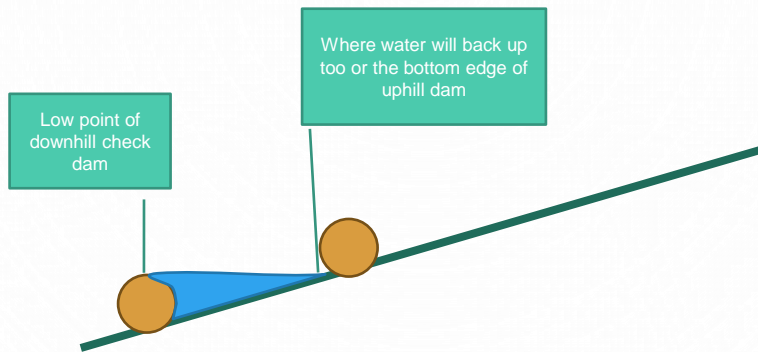
21

## CHECK DAM SPACING

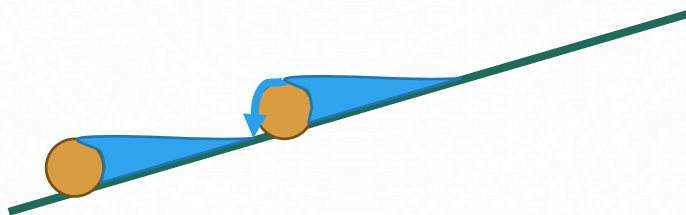


22

## CHECK DAM SPACING

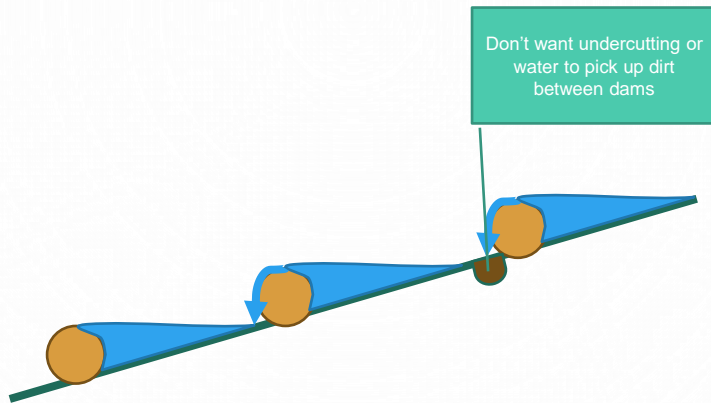


## CHECK DAM SPACING





## CHECK DAM SPACING



## Straw Bale Check Dams



## Rock or Sandbag Check Dam



CWT  
Training  
Academy

27

## Triangular Silt Dike



CWT  
Training  
Academy

28





## Spring Berm



29

## Wattles

- Straw
- Excelsior
- Coir
- Wood fiber
- Wood chip
- Synthetic



30



## Coir Logs



31

## Compost Socks



32



## Sediment Trap



33

## Sediment Pond



34

## Sediment Pond Enhancements



35



Questions?

**Nathan Hardebeck**

[NathanH@CWTAcademy.com](mailto:NathanH@CWTAcademy.com)



36