

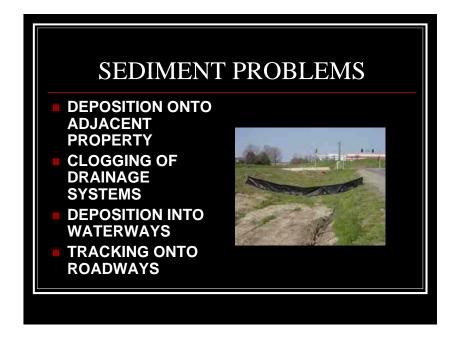


## JOBSITE SEDIMENT CONTROL TECHNOLOGY

- TECHNOLOGY WAS VIRTUALLY NON-EXISTENT JUST A FEW DECADES AGO
- EARLY SOLUTIONS INVOLVED CREATIVE USE OF EXISTING MATERIALS
- NEW JOB SPECIFIC TECHNOLGY IS NOW AVAILABLE
- THERE IS MORE TO COME!

#### **SEDIMENT**

# SEDIMENT IS MATTER DEPOSITED BY SOME NATURAL PROCESS





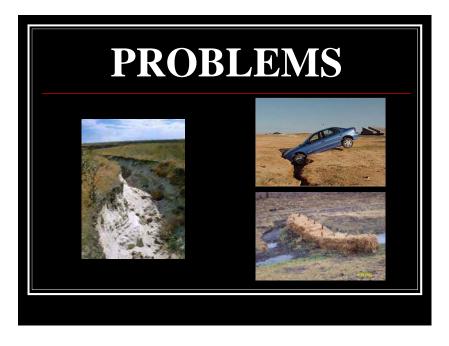
#### SEDIMENT CONTROL VS. **EROSION CONTROL SEDIMENT CONTROL EROSION CONTROL** COSTLY **COST EFFECTIVE UNATTRACTIVE ATTRACTIVE TEMPORARY PERMANENT** HIGH MINIMAL **MAINTENANCE MAINTENANCE SHOULD BE** SHOULD BE **ELIMINATED AS IMPLEMENTED AS SOON AS POSSIBLE SOON AS POSSIBLE**

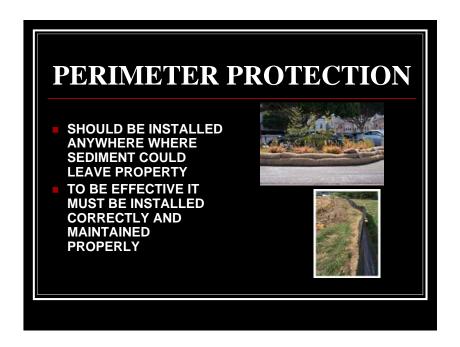
# SEDIMENT CONTROL TECHNOLOGY

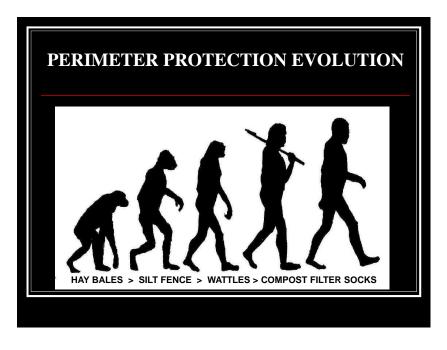






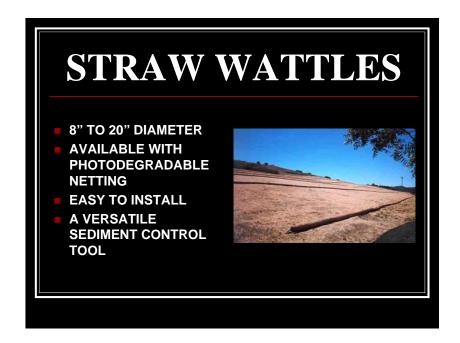












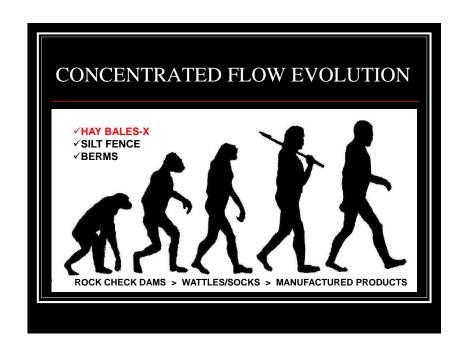












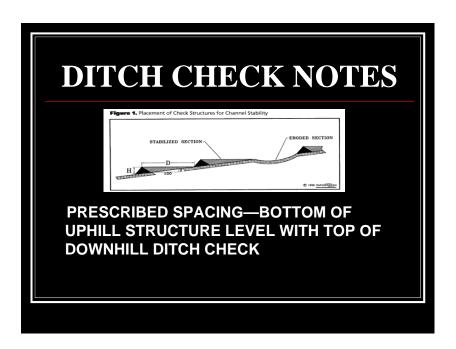




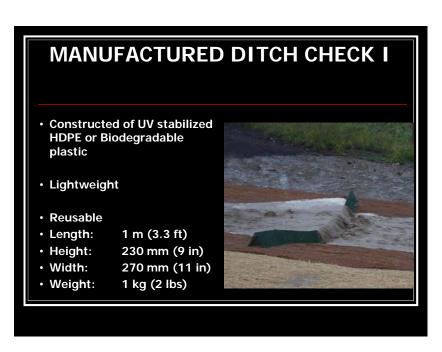


#### DRAINAGE SWALE TEMPORARY PROTECTION BASICS

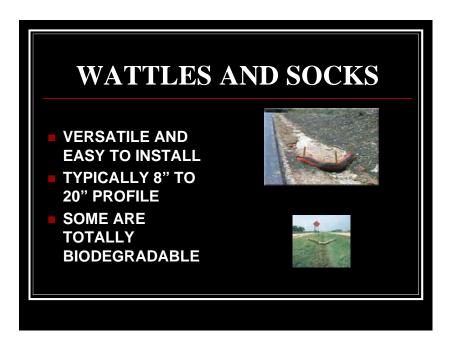
- DESIGNED TO SLOW DOWN FLOW AND COLLECT SEDIMENT
- STRUCTURES MUST BE MAINTAINED
- MUST BE DESIGNED TO BE OVERTOPPED
- INSTALLATION MUST NOT ALLOW FOR STRUCTURES TO BE BYPASSED

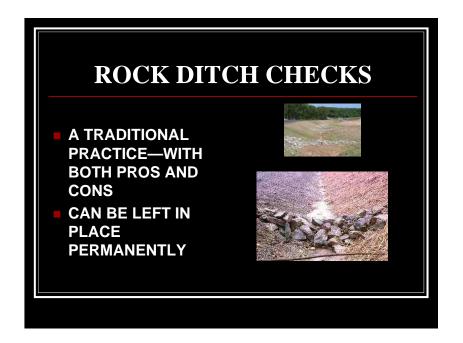








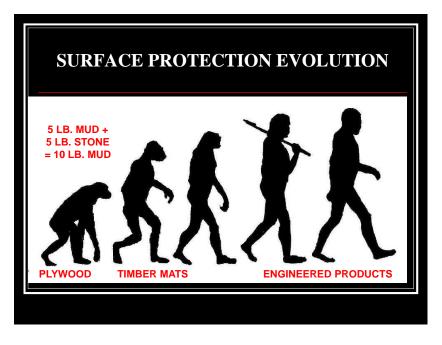




#### **DITCH CHECK SUMMARY**

- CONCENTRATED FLOWS ON ACTIVE JOBSITES CREATE A UNIQUE PROBLEM
- THE MOST EFFECTIVE SOLUTIONS...
  - ...SLOW DOWN FLOW RATES
  - ...OVERTOP BY DESIGN
  - ... COLLECT SETTLING SEDIMENT

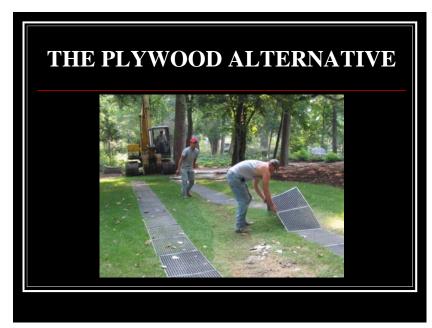


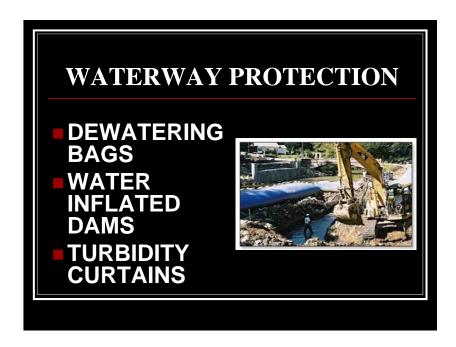




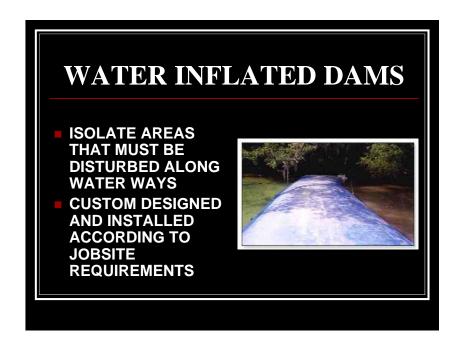


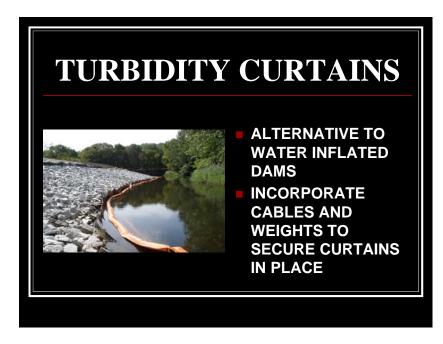


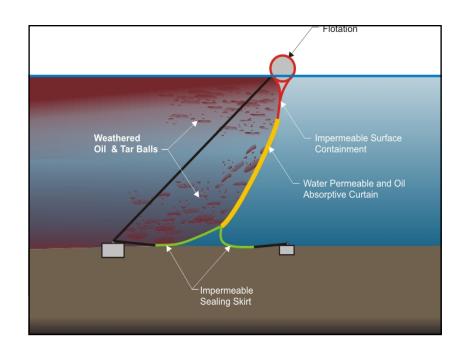


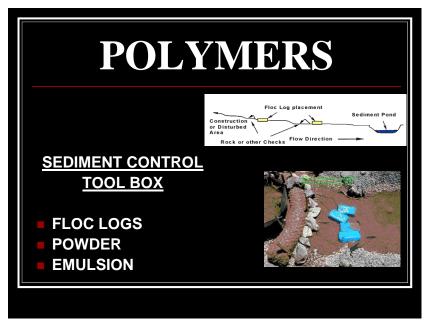


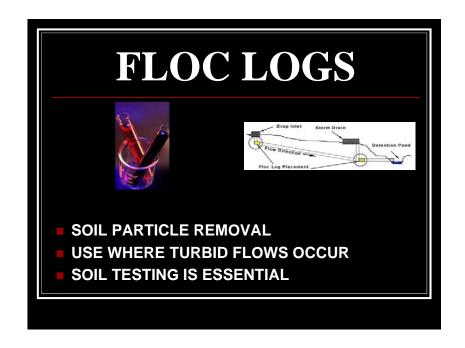


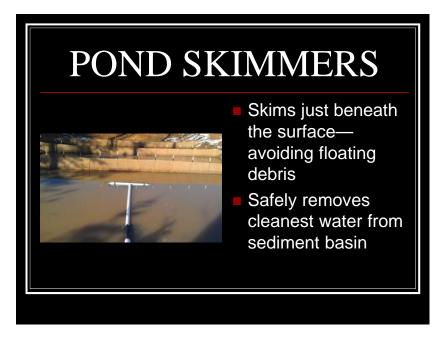


















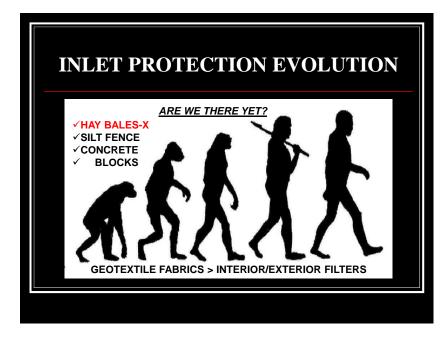


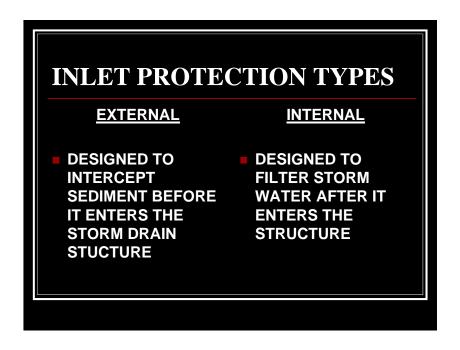


# ADJACENT ROADWAY PROTECTION NOTES

- FOR PRACTICAL PURPOSES, TEMPORARY ENTRANCE CAN OFTEN BE CONVERTED TO PERMANENT ENTRANCE
- PROJECT SCOPE AND SITE SPECIFICS WILL VARY WIDELY
- **KNOW YOUR OPTIONS!**











### EVOLUTION OF EXTERNAL INLET PROTECTION PRODUCTS

- I. SILT FENCE, HAY BALES, WATTLES, SAND BAGS, ETC.
- **II. MONOFILAMENT GEOTEXTILES**
- III. MONOFILATMENT GEOTEXTILE MANUFACTURED PRODUCTS
- IV. THREE DIMENSIONAL MANUFACTURED PRODUCTS









#### **KEY POINTS**

- SEDIMENT CONTROL IS TEMPORARY AND VERY EXPENSIVE
- EROSION CONTROL PROVIDES PERMANENT SOLUTIONS

THEREFORE: MINIMIZE DISTURBANCE IN TERMS OF BOTH TIME AND AREA AND INSTALL PERMANENT

**EROSION CONTROL AS SOON AS POSSIBLE!** 



