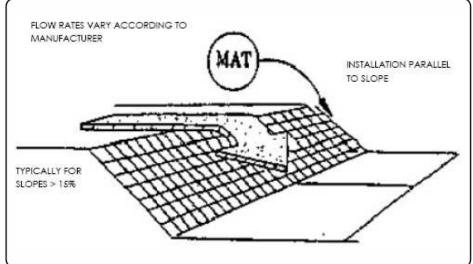
## **BMP: Geotextiles and Mats**



### **OBJECTIVES**

- ☐ Housekeeping Practices
- ☐ Contain Waste
- ☐ Minimize Disturbed Areas
- Stabilize Disturbed Areas
- Protect Slopes/Channels
- ☐ Control Site Perimeter
- ☑ Control Internal Erosion

#### **DESCRIPTION:**

Mats made of natural or synthetic material, which are used to temporarily or permanently stabilize soil.

#### **APPLICATION:**

- Typically suited for post-construction site stabilization, but may be used for temporary stabilization of highly erosive soils.
- ► Channels and streams.
- Steep slopes.

#### INSTALLATION/APPLICATION CRITERIA:

- Mats may be applied to disturbed soils and where existing vegetation has been removed.
- ► The following organic matting materials provide temporary protection until permanent vegetation is established, or when seasonal circumstances dictate the need for temporary stabilization until weather or construction delays are resolved: Jute mats and straw mats.
- ► The following synthetic mats may be used for either temporary or postconstruction stabilization, both with and without vegetation: excelsior matting, glass fiber matting, and mulch matting.
- ▶ Staples are needed to anchor the matting.

#### LIMITATIONS:

- ► Mats are more costly than other BMP practices, limiting their use to areas where other BMPs are ineffective (e.g., channels, steep slopes).
- ▶ May delay seed germination, due to reduction in soil temperature.
- ► Installation requires experienced contractor to ensure soil stabilization and erosion protection.

#### **MAINTENANCE:**

- ► Inspect monthly and after significant rainfall.
- ► Re-anchor loosened matting and replace missing matting and staples as required.

# WEBER COUNTY

#### **ENGINEERING DEPARTMENT**

2380 Washington Blvd., Suite 240 Ogden, UT 84401 (801) 399-8374

#### **TARGETED POLLUTANTS**

- Sediment
- □ Nutrients
- ☐ Toxic Materials
- □ Oil & Grease
- ☐ Floatable Materials
- □ Other Waste
- High Impact
- Medium Impact
- □ Low or Unknown Impact

# IMPLEMENTATION REQUIREMENTS

- Capital Costs
- O&M Costs
- Maintenance
- □ Training
- High
- Medium
- □ Low