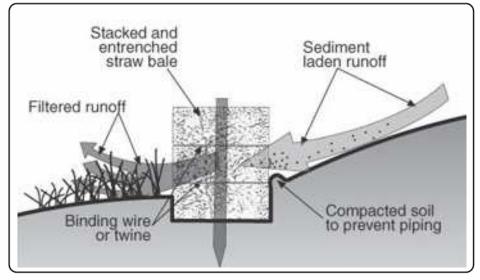
BMP: Straw Bale Barrier



OBJECTIVES

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

DESCRIPTION:

Temporary sediment barrier consisting of a row of entrenched and anchored straw bales.

APPLICATION:

- ▶ Perimeter Control: place barrier at downgradient limits of disturbance.
- ► Sediment barrier: place barrier at toe of slope or soil stockpile.
- ▶ Protection of existing waterways: place barrier at top of stream bank.
- Inlet Protection.

INSTALLATION/APPLICATION CRITERIA:

- Excavate a 4-inch minimum deep trench along contour line, i.e. parallel to slope, removing all grass and other material that may allow underflow.
- Place bales in trench with ends tightly abutting; fill any gaps by wedging loose straw into openings.
- ► Anchor each bale with 2 stakes driven flush with the top of the bale.
- ▶ Backfill around bale and compact to prevent piping, backfill on uphill side to be built up 4-inches above ground at the barrier.

LIMITATIONS:

- ▶ Recommended maximum area of 0.5 acre per 100 feet of barrier
- ► Recommended maximum upgradient slope length of 150 feet
- ► Recommended maximum uphill grade of 2:1 (50%)

MAINTENANCE:

- Inspect immediately after any rainfall and at least daily during prolonged rainfall
- ► Look for runoff bypassing ends of barriers or undercutting barriers.
- Repair or replace damaged areas of the barrier and remove accumulated sediment.
- ▶ Realign bales as necessary to provide continuous barrier and fill gaps.
- Recompact soil around barrier as necessary to prevent piping.

WEBER COUNTY

ENGINEERING DEPARTMENT

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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
- Hiah
- Medium
- □ Low