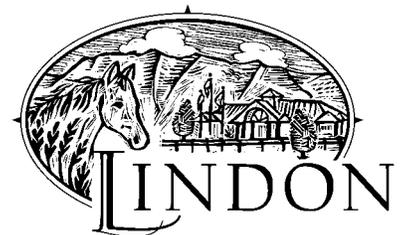


**OBJECTIVES**

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



Adapted from Salt Lake County BMP Fact Sheet

**DESCRIPTION:**

A temporary sediment barrier and storm runoff conveyance consisting of an excavation channel and compacted earth ridge.

**APPLICATION:**

- ▶ Construct along top of construction slope to intercept upgradient runoff and convey around construction site.
- ▶ Construct along toe of construction to divert sediment laden runoff.
- ▶ Construct along midpoint of construction slope to intercept runoff and channel to controlled discharge point.
- ▶ Construct around base of soil stockpiles to capture sediment.
- ▶ Construct around perimeter of disturbed areas to capture sediment.

**INSTALLATION/APPLICATION CRITERIA:**

- ▶ Clear and grub area for dike construction.
- ▶ Excavate channel and place soil on downgradient side.
- ▶ Shape and machine compact excavated soil to form ridge.
- ▶ Place erosion protection (riprap, mulch) at outlet.
- ▶ Stabilize channel and ridge as required with mulch, gravel, or vegetative cover.

**LIMITATIONS:**

- ▶ Recommended maximum drainage area of 5 acres
- ▶ Recommended maximum sideslopes of 2h:1v (50%)
- ▶ Recommended maximum slope on channel of 1%

**MAINTENANCE:**

- ▶ Inspect immediately after any rainfall and at least daily during prolonged rainfall.
- ▶ Look for runoff breaching dike or eroding channel or sideslopes.
- ▶ Check discharge point for erosion or bypassing of flows.
- ▶ Repair and stabilize as necessary.
- ▶ Inspect daily during vehicular activity on slope, check for and repair any traffic damage.

**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