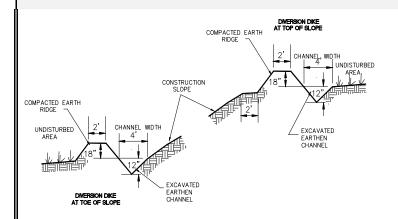
BMP: Diversion Dike DD



OBJECTIVES

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

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.



ADAPTED FROM SALT LAKE COUNTY BMP

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