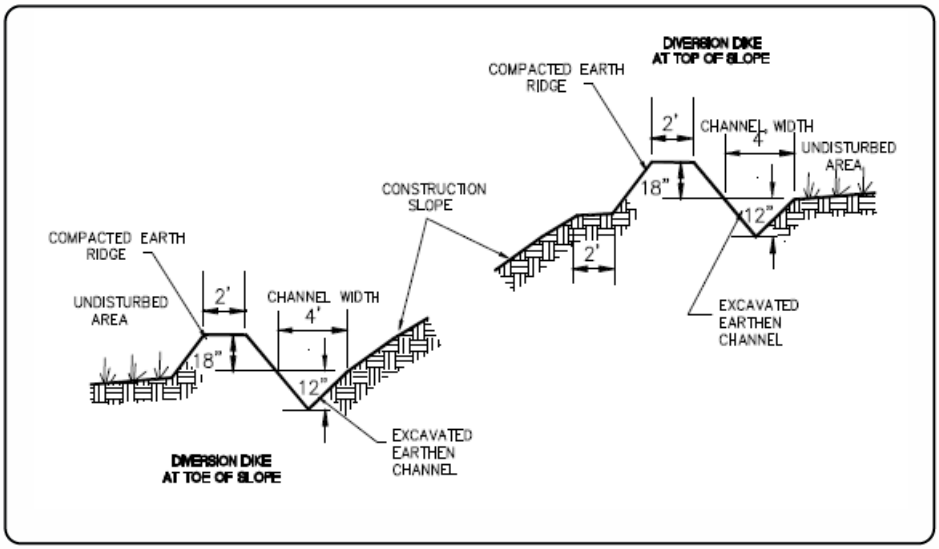
BMP: Diversion Dike DD



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.

WEBER COUNTY

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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

- ■ High
- ☒ Medium
- ☐ Low