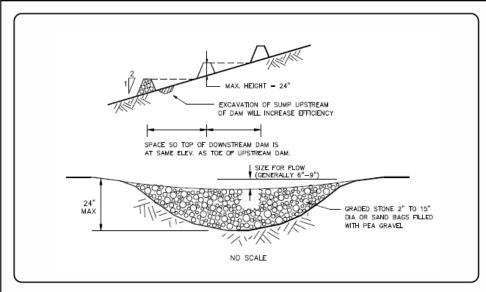
# **BMP: Rock Check Dams**



#### **OBJECTIVES**

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

## **DESCRIPTION:**

A small, temporary dam constructed across a drainage ditch to reduce velocity of concentrated storm water flows, thereby reducing the erosion of the ditch.

#### **APPLICATION:**

- ► Temporary drainage paths
- Permanent drainage ways not yet stabilized
- ► Existing drainage paths receiving increased flows due to construction

#### INSTALLATION/APPLICATION CRITERIA:

- Prepare location of dam by removing any debris and rough grading any irregularities in channel bottom
- ▶ Place rocks by hand or with appropriate machinery, do not dump
- ► Construct dam with center lower to pass design flow
- ► Construct 50% side slopes on dam

#### LIMITATIONS:

- ► Maximum recommended drainage area is 10 acres
- ► Maximum recommended height is 24"
- ▶ Do not use in running stream

#### **MAINTENANCE:**

- Inspect dams daily during prolonged rainfall, after each major rain event and at a minimum of once monthly.
- Remove any large debris and repair any damage to dam, channel or sideslopes
- Remove accumulated sediment when it reaches one half the height of the dam

# 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