

## **DIVERSION**

### **DESIGN AND CHECK DATA REQUIREMENTS**

The following items must be documented for the diversion:

#### Basic Data

1. Plan view of system layout
2. Slope of each design reach
3. Total length
4. Type and location of outlet

#### Design

1. PA Utility Act compliance
2. Peak discharge calculation
3. Soil, vegetation, lining
4. Velocities, dimensions
5. Lining or mulching requirements
6. Lime, fertilizer, seeding requirements
1. Operation & maintenance plan

#### Check Data

1. Profile of channel and ridge (only one required if in a system)
2. One cross section per reach at most restrictive station
3. Length
4. Seeding performed