

## DIVERSION

### DESIGN AND CONSTRUCTION DATA REQUIREMENTS

The following items must be documented for the diversion:

#### Survey Data

1. Plan view of system layout
2. Slope of each design reach
3. Length of each reach and total length
4. Type and location of outlet(s)

#### Design Data

1. PA One-Call compliance
2. Peak discharge calculations
3. Soil, vegetation, lining
4. Type and location of outlet(s)
5. Velocities, dimensions
6. Lining or mulching requirements
7. Lime, fertilizer, seeding requirements
8. Operation & maintenance plan

#### Construction Check Data

1. Profile of channel and ridge (for each design reach)
2. One cross section per reach at most restrictive station
3. Length
4. Outlet locations and elevations
5. Seeding performed
6. Lime, fertilizer, and seed mix verification
7. Limits and material of liners, if installed