

# WATER AND SEDIMENT CONTROL STRUCTURE

## DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented for the water and sediment control structure:

### Design Data

1. PA Utility Act compliance.
2. Sketch of layout showing basin numbers.
3. Design field slope and horizontal spacing or vertical interval for each basin
4. Profile along centerline of fill
5. Required storage volume.
6. Design water depth.
7. Proposed cut.
8. Available storage computations.
9. Profile and location of underground outlets.
10. Calculations for orifice size.
11. Capacity and size requirements for underground outlet.
12. Design of erosion control materials, if specified

### Check Data

1. Length of each completed basin
2. Profile of centerline of fill and cross section notes of embankment of basins in the system. Document available storage in all pipe outlet terraces.
3. Statement of adequacy of outlet.
4. Name of manufacturer of tubing for underground outlets.
5. Length of each size of tubing used for underground outlets.
6. Verify type and extent of erosion control materials installed, if required.