

TERRACE DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented for the terrace:

Design Data

1. PA Utility Act compliance.
2. Sketch of layout showing terrace numbers.
3. Design field slope and horizontal spacing or vertical interval for each terrace.
4. Average design grade for each terrace.
5. Existing profile along centerline of channel.
6. Proposed profile along centerline of channel.

For Storage Terraces, the following additional information shall be included:

1. Required storage volume.
2. Design water depth.
3. Proposed cut.
4. Available storage computations.
5. Profile of location of underground outlets.
6. Riser Details
7. Calculations for orifice size.
8. Capacity and size requirements for underground outlet.

Check Data

1. Length of each completed terrace.
2. Profile of ridge and channel and cross section notes of channel and ridge of at least one terrace in 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. Name of the installation contractor.