

600. TERRACE

DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented for the terrace:

Survey Record in Engineering Field book

1. Slope of each terrace (hand level survey permitted when slope is steeper than 2⁰/₀).
2. Cross section (minimum one per terrace).
3. Profile of outlet, if included
4. Plan view, if part of a system.

Design Data

1. PA One-Call compliance.
2. Sketch of layout showing terrace numbers.
3. Design field slope and horizontal spacing or vertical interval for each terrace; include computation of "T".
4. Average design grade for each terrace; include stability computations.
5. Existing profile along centerline of channel.
6. Proposed profile along centerline of channel.
7. Proposed cross-section(s); note expected farming practices

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

- a. Required and available storage volumes.
- b. Design water depth.
- c. Proposed cut.
- d. Storage/outflow routing computations, where applicable.
- e. Profile of location of underground outlets.
- f. Riser Details
- g. Calculations for orifice size; note release times where applicable.
- h. Capacity and size requirements for underground outlet.

Construction Check

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.