

WATERING FACILITY

Design Survey, Design Data and Drawings and Specifications

The following information shall be obtained and recorded in the field notes. Standard plans and specifications shall be provided:

- a. Capacity requirements (storage volume and circumference requirements based on herd size).
- b. Location and installation of appurtenances.
- c. Location Map with legal description and north arrow.
- d. Material selection
- e. Design calculations (including structural analysis for buried tanks, wind loading and analysis for upright storage tanks).
- f. Cooperator's signature of review and acceptance to construct the project according to the plans and specifications.

Compliance Checks

All compliance checks shall be recorded in the field notes. Compliance checks shall include, but will not be limited to, the following:

- a. Dimensions and materials of tank.
- b. Adequacy of drain and other appurtenances.
- c. Statement of compliance signed by NRCS personnel with applicable job approval authority that the work meets the plans and specifications. (A NRCS employee, with proper job approval authority, shall certify on the as-built drawings or job sheet whether the as-built practice does or does not meet the requirements of the standards and specifications.)
- d. Changes in design are documented.

As-Built Plans

As-Built plans are required for all watering facilities. These drawings shall reflect all significant changes in dimension, material, quantities alignment or other design changes and shall be marked as As-Built on the plans or on the job sheet. If there were no significant changes the plans or job sheet shall be marked "As-Built".