

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

WATERING FACILITY

**CODE 614
(NO.)**

SCOPE

This item, as a minimum, shall include all construction drawings, specifications, sequence, and operations necessary for the installation of this practice as designed.

Construction shall be carried out in such a manner that erosion, water, air, and noise pollution will be minimized and held within legal limits as established by state regulations.

LOCATION

The trough or tank shall be installed at the location shown on the drawings, or at the location staked in the field by the NRCS technicians.

MATERIALS

Galvanized steel troughs shall have a minimum thickness of 20 gauge bottom with a minimum wall thickness of 21 or 22 gauge. Plastic/rubber tank/trough shall have a minimum wall thickness of 0.15" for containers less than 200 gallons and 0.25" for containers 200 gallons or greater. A concrete trough or tank shall conform to one of the Texas approved prefabricated troughs or comply to the requirements set forth in standard 614, Watering Facility .Troughs or tanks, pipes, fittings and appurtenances shall be of the size and quality specified, as shown on the drawings, and/or as called for by the "Standard" for this practice. All troughs or tanks, pipes, fittings, and appurtenances shall be protected from ultraviolet rays, rust, freezing weather,

damage by livestock, and/or equipment as appropriate.

INSTALLATION

The foundation area shall be cleared of all material not suitable for subgrade. All cleared material shall be disposed of by burning, burying, or complete removal from the site to an approved disposal area that meets all state and federal regulations. All burning shall conform to state laws and regulations. A Heavy Use Pad is recommended under all watering facilities. If watering facility is portable, the area under and surrounding the trough or tank shall be smoothed, graded and compacted to permit free drainage of surface water away from it. All backfill material for underground pipes shall be compacted to the degree needed to prevent caving after construction is completed.

HEAVY USE AREA

For permanent watering facilities the trough or tank shall be located on a pad. The pad shall be constructed under the base of the trough or tank, and extend out from all sides of the perimeter of the trough or tank from which the livestock will be accessing. This area can be concreted, graveled, or paved with other acceptable materials, and shall have a positive slope away from the trough or tank. Refer to Conservation Practice Standard Code 561, "Heavy Use Area Protection" for complete list of requirements.

PROTECTION

The construction shall be performed in a workmanlike manner and the job site shall have a neat appearance when finished.

All watering facilities shall be installed in a manner which will secure the trough or tank in place and prevent the facility from being overturned.

All exposed pipes, fittings, and appurtenances shall be protected from rust or ultraviolet as appropriate.

All disturbed areas shall be vegetated according to Conservation Practice Standard Code 342, "Critical Area Planting".