

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

WATERING FACILITY

**(NO.)
Code 614**

SCOPE

This item shall consist of the installation of a watering facility to provide drinking water for livestock or wildlife. 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 watering facility shall be installed at the location shown on the drawings, or at the location designated by the certifying individual. The site shall be well drained, if not, appropriate drainage measures shall be installed.

MATERIALS

The watering facility shall be equal in size and quality to that specified or shown on the drawings. A concrete watering facility shall be constructed from concrete per construction specifications for plain and reinforced concrete. All pipes and fittings shall be of the size and material shown on the drawings. A galvanized steel watering facility shall be 20 gauge minimum. Plastic and fiberglass structures shall be made of ultraviolet resistant materials or shall have a durable coating to protect the structure from deterioration due to sunlight.

INSTALLATION

The foundation area shall be cleared of all material not suitable for subgrade and be leveled to allow the watering facility to be placed on firm ground. The area surrounding the trough or tank shall be smoothed and graded to permit free drainage of surface water away from it, yet allow access by the animals for which it is being installed.

All pipes shall be of the size and type specified. Pipe shall be installed to the depths specified. All backfill for underground pipes shall be

compacted to the degree required to prevent caving after construction is completed.

Provisions shall be made to dispose of excess water away from the watering facility to avoid boggy conditions at the foundation or cause foundation failure.

Shields or covers to prevent damage shall be installed to protect valves or pipes from livestock.

HEAVY USE AREA

The watering facility shall be located so that a dry surface is maintained around the base. Areas adjacent to the watering facility extending 10 feet from all sides that will be trampled by livestock shall be graveled, paved or otherwise treated to provide firm footing and reduce erosion. Gravel, paving material or other treatments will not be required if the native materials will provide firm footing and resist erosion without special treatment.

The minimum gravel mat thickness shall be 6 inches. The gravel mat may be pea gravel, chert, or clay gravel mixture. Gravel shall be placed over a geotextile designed to prevent the migration of the gravel into the soil.

Concrete used around troughs or tanks shall have a minimum thickness of 4 inches. Concrete shall have a roughened finish.

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