



**DEFINITION**

A device (tank, trough, or other watertight container) for providing animal access to water.

**WHERE PRACTICE APPLIES**

This practice applies to all land uses where there is a need for new or improved watering facilities.

**COMPONENTS**

**Watering Facility.** Watering facility size shall be selected based on the type and number of animals using the facility. Minimum requirements of individual watering facilities are shown in Table 1.

Table 1. Minimum Requirements of Individual Watering Facilities.

Type of Livestock	Daily Requirement <sup>1/</sup> gal/head/day	Min. Trough Size	
		Capacity gal	Depth inches
Beef cattle	12	70	12
Horse	12	70	12
Dairy Cattle			
Lactating	25	70	12
Non-lactating	15	70	12
Sheep and Goats	2	15	6
Swine	4	15	6

<sup>1/</sup> These requirements vary with climatic conditions, kinds of feed, size of animals, and other factors and may be increased as necessary.

Watering facilities shall be constructed of commercially available galvanized metal, concrete, or other approved materials. Watering facilities shall be equipped with automatic flow control to keep the water in the watering facility at a constant level and to prevent overflow.

**Pipeline.** Pipelines shall be located so that they are protected from hazards imposed by traffic, farming operations, and freezing temperatures. See pipeline plan for pipeline type, diameter, length, pressure rating, and depth of cover.

**Pump.** The pump shall be selected based on the required flow rate, range of operating pressure and efficiency.

**Pressure Tank.** The pressure tank shall be sized to allow the pump to run at least one minute to cool the start winding. Larger tanks will allow more storage between pump cycles. The operating range of the pressure tank shall be compatible with pump and pipeline.

**Well.** All wells shall comply with state water laws, rules and regulations and must be installed by a licensed well driller in the State of Florida. A copy of the well driller's log should be maintained for your records. Wells should be located a safe distance from sources of contamination.

**Design Flow Rate.** Design the watering facility so that the water source supplies the daily requirement of water in a period of 6 hours or less. Minimum flow rate shall be 3 gpm.

For specific criteria in applying this practice, review Florida NRCS conservation practice standard Watering Facility, Code 614.

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**WATERING FACILITY - CHECK SHEET**

Cooperator: \_\_\_\_\_ Location: \_\_\_\_\_

Conservation District: \_\_\_\_\_ Field Office: \_\_\_\_\_

Identification No.: \_\_\_\_\_ Field No.: \_\_\_\_\_

Automatic Water Level Control Valve  $\geq$  \_\_\_\_\_ gpm

Capacity \_\_\_\_\_ gal.

Hose Diameter: \_\_\_\_\_ in.

Valve: \_\_\_\_\_ in.

Guard Post: Size: \_\_\_\_\_, Type: \_\_\_\_\_

Pipe Strap

Ramp

Ground Slope To Drain

Trough base

Ground Slope To Drain

Depth of Cover \_\_\_\_\_ inches

Pipeline: Type: \_\_\_\_\_, Pressure Rating: \_\_\_\_\_ psi, Diameter: \_\_\_\_\_ in.

(Not To Scale)

Trough or tank material: \_\_\_\_\_

Trough base material and thickness: \_\_\_\_\_

Ramp material and thickness: \_\_\_\_\_

Designed by: \_\_\_\_\_ Date: \_\_\_\_\_ Checked By: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

**Construction Check**

Tank #								
Size of trough, gal								

Material used for trough: \_\_\_\_\_

Type of ramp used and condition: \_\_\_\_\_

Comments: \_\_\_\_\_

Condition of valves, outlet pipe, float, etc.: \_\_\_\_\_

\_\_\_\_\_

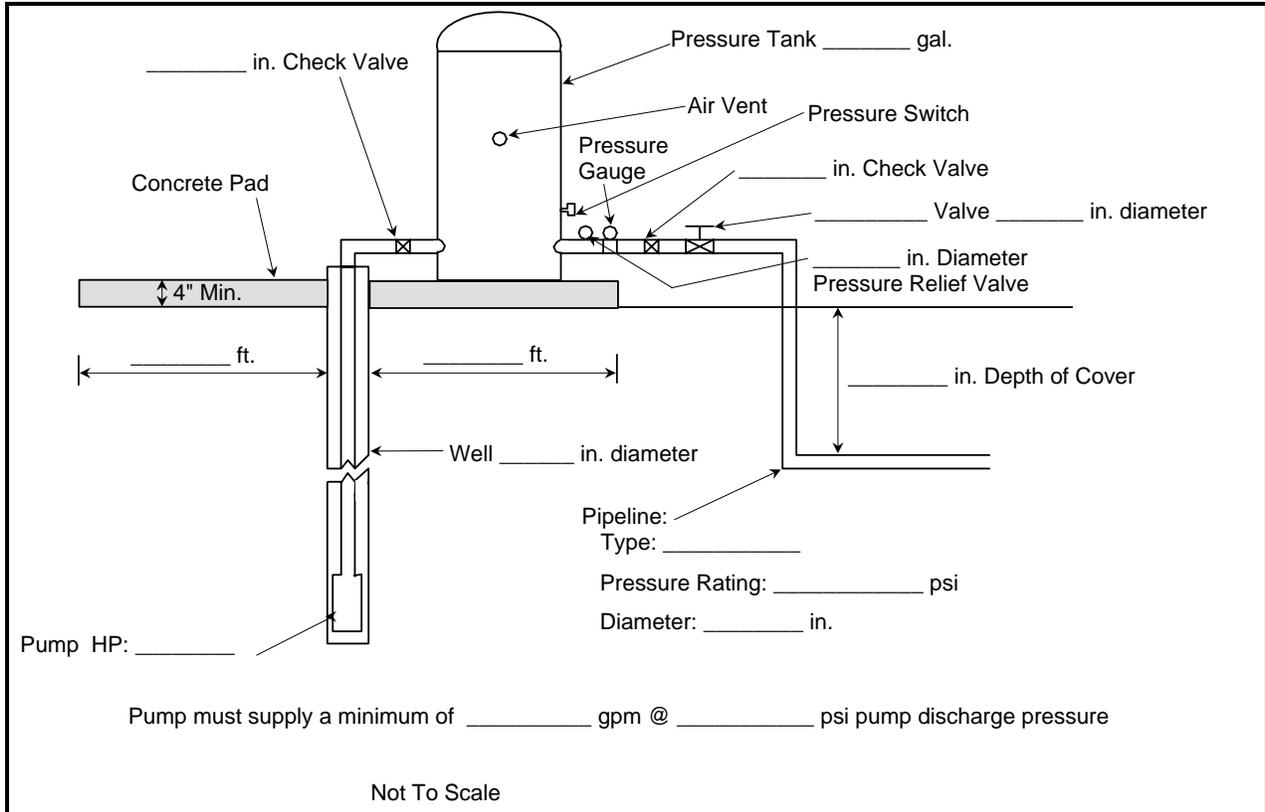
This practice meets NRCS standards and specifications. \_\_\_\_\_ Date: \_\_\_\_\_  
 (Signature)

**WATERING FACILITY APPURTENANCES - CHECK SHEET**

Cooperator: \_\_\_\_\_ Location: \_\_\_\_\_

Conservation District: \_\_\_\_\_ Field Office: \_\_\_\_\_

Identification No.: \_\_\_\_\_ Field No.: \_\_\_\_\_



Note: Cross out items in sketch not required. Attach additional drawings as needed.

Designed by: \_\_\_\_\_ Date: \_\_\_\_\_ Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

**Construction Check**

	Well Capacity, gpm	Well Diameter, in.	Well Depth, feet	Pump Capacity, gpm
Planned				
Check				

Verify items on sketch by initialing by each item.

Length, quality and type of casing material: \_\_\_\_\_

Well Driller's log attached: \_\_\_\_\_

Pump type, make, model, and stages: \_\_\_\_\_

Comments: \_\_\_\_\_

This practice meets NRCS standards and specifications. \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature)

