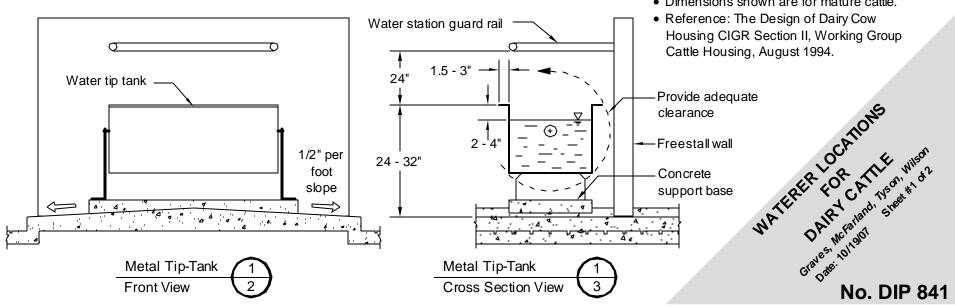
PENNSTATE AGRICULTURAL & BIOLOGICAL ENGINEERING Cooperative Extension www.abe.psu.edu b. Double position waterer Waterer length Single-file cow travel Two-8' directional cow travel c. Water trough a. Single position waterer

Space Required for Mature Cows Around Waterers



Notes:

- Provide one waterer position or 3' of accessible trough perimeter for every 10 - 15 cows.
- Provide at least 2 watering locations for each cow group.
- Provide minimum 3 5 gallons per minute water supply delivery to each water location.
- Supply each location with a separate supply pipe (1" minimum) and shut-off valve.
- Install water meter to allow monitoring of intake for each production group.
- Locate water positions every 60 80 feet along barn.
- Provide minimum 3" water depth where cows
- Provide minimum 0.65 sq. ft. (94 sq. in.) surface area per cow with single or double position waterer.
- Provide minimum of 50 gallons of water capacity at water troughs.
- Allow easy quick drainage for cleaning of water vessel.
- · Clean water vessel daily.
- Dimensions shown are for mature cattle.

