

## **504 STANDPIPES**

A standpipe is a freestanding pipe fitted with a tap which is installed outdoors to dispense water in areas which do not have a running water supply. Standpipes are constructed for irrigation or drainage pipes and normally have metal or wood covers. Installation of metal gates is sometimes required.

Excavation for standpipes must be made to the required depth and of sufficient size to allow for construction forms. When unsuitable soil is encountered for the foundation, it shall be removed and replaced with suitable material.

For a standpipe using reinforced concrete pipe, proper equipment should be provided for lowering the pipe into the excavated area. The pipe should be placed so that the bell end is up to receive the cover. Mortar joints at connections should be made according to the Project Plans and must be water tight.

Some important inspection points for standpipes are:

- Do the materials conform to the Project Plans and specifications and are material certifications available for those items requiring them?
- Is mortar in conformance with the specifications?
- Is mortar used within the required time limit?
- Is stiff mortar discarded rather than re-tempered?
- Is the backfill around completed structures compacted in eight inch lifts?
- Is the backfill notched into firm material?
- Is the top of the standpipe covered at night?