



FIRE-MEDICAL DEPT

Guideline

Date: March 30, 2016

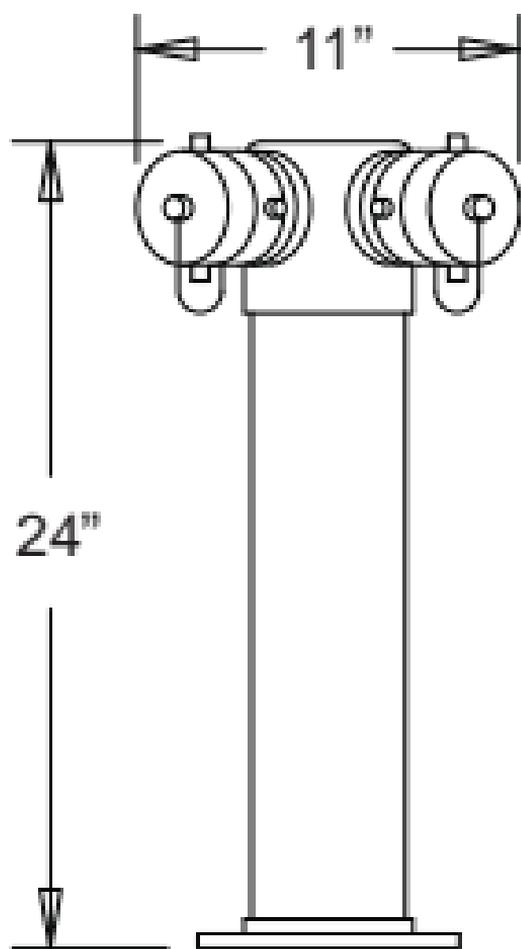
To: Horizontal Dry Standpipe Installers

From: City of Peoria Fire-Medical Department – Fire Prevention Division

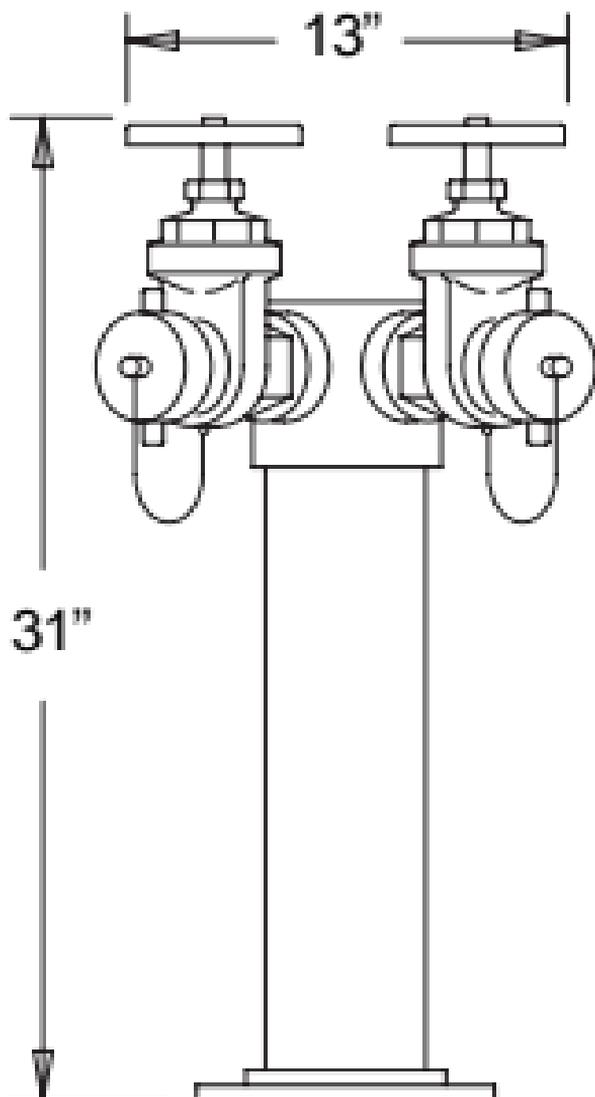
Subject: Minimum Requirements for Horizontal Dry Standpipes

Effective immediately, this guideline will detail the minimum requirements from the City of Peoria Fire-Medical Department for the installation of a horizontal dry standpipe system.

- All horizontal dry standpipe systems require a permit from the Peoria Fire-Medical Department. Drawings and documentation are to be submitted to the Building Development Division for processing and routing to the Fire Department for review and permitting.
- The minimum pipe size is to be four (4) inch.
- The acceptable pipe material is to be AWWA, C-900 PVC piping.
- Thrust blocks are to be provided at each pipe fitting and joint or an approved mechanical joint restraint system is to be used.
- Underground pipe shall have locator tape placed on top of the pipe to assist in locating the pipe.
- All underground piping is to have a 200 lb. hydrostatic test performed for 2 hours with no leakage. This test must be scheduled and witnessed by the Fire Department.
- All underground piping is to be inspected by the Fire Department prior to backfilling any trenches.
- All underground piping is to be flushed. This test must be scheduled and witnessed by the Fire Department.
- All underground piping is to be buried a minimum of 2-1/2', as measured from the top of the pipe to the finished grade. Where piping is below a driveway, the minimum burial depth is 3 feet, as measured from the top of the pipe to the finished grade.
- All steel or iron pipe and fittings are to be wrapped and properly protected.
- A freestanding Fire Department Connection (FDC) with 2 each, 2-1/2" female, NST connections is to be located near the driveway. See attached detail.
- A freestanding Fire Hose Connection(s) is to be located per the Fire Department approved plans. See attached detail.
- Signage will be required at the FDC indicating where the horizontal dry standpipe pumps to. The sign is to be metal with white reflective letters on a red background. The sign is to be affixed to the FDC pipe.



Freestanding FDC



Freestanding Hose Connection