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Dry Fire Hydrants

6-inch DFH Bridge Mount
Grimville Road
Mt Airy, Maryland

Facts & Figures…

- This DFH was designed and installed by Greg Dods of GBW Associates, LLC.
- The DFH is constructed of 6-inch PVC pipe and uses all Kochek fittings: a 6-inch NST suction head, a swivel, and a GBW PVC strainer.
- The hoisting system was specially designed to raise and lower the strainer based upon water level and DFH use.
- The installation performance test resulted in a flow of just over 1000 gpm.
- The cost of this installation was funded through a State grant.

Good Access to Water

This metal bridge spans an excellent water supply stream but the bridge has a weight restriction.

DFH Installed

In order to access the water, a dry fire hydrant was designed and attached to the bridge so that a pumper could set up for drafting without having to worry about the weight restriction on the bridge.

A Simple Mount

The design of this dry hydrant incorporates the use of a few simple clamps that attach the piping to the bridge supports.

Run and Lift

Although the run of pipe is a little long, the elevation (lift) is within reason and this DFH can support a 1,000 gpm flow.

Plenty of Water Available

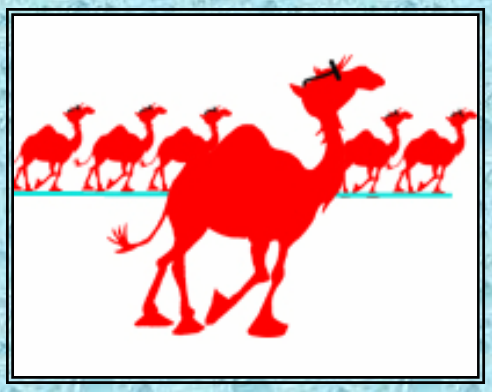
This shot from across the stream bank shows the amount of water that is available.

Swivel Used

A Kochek swivel is used to allow the DFH to raised out of the water if needed.

Swivel Used

A close-up of the Kochek swivel in use.



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