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Dry Fire Hydrants

6-inch DFH with Lowering System Urbana, Maryland

Bridge Mounted DFH

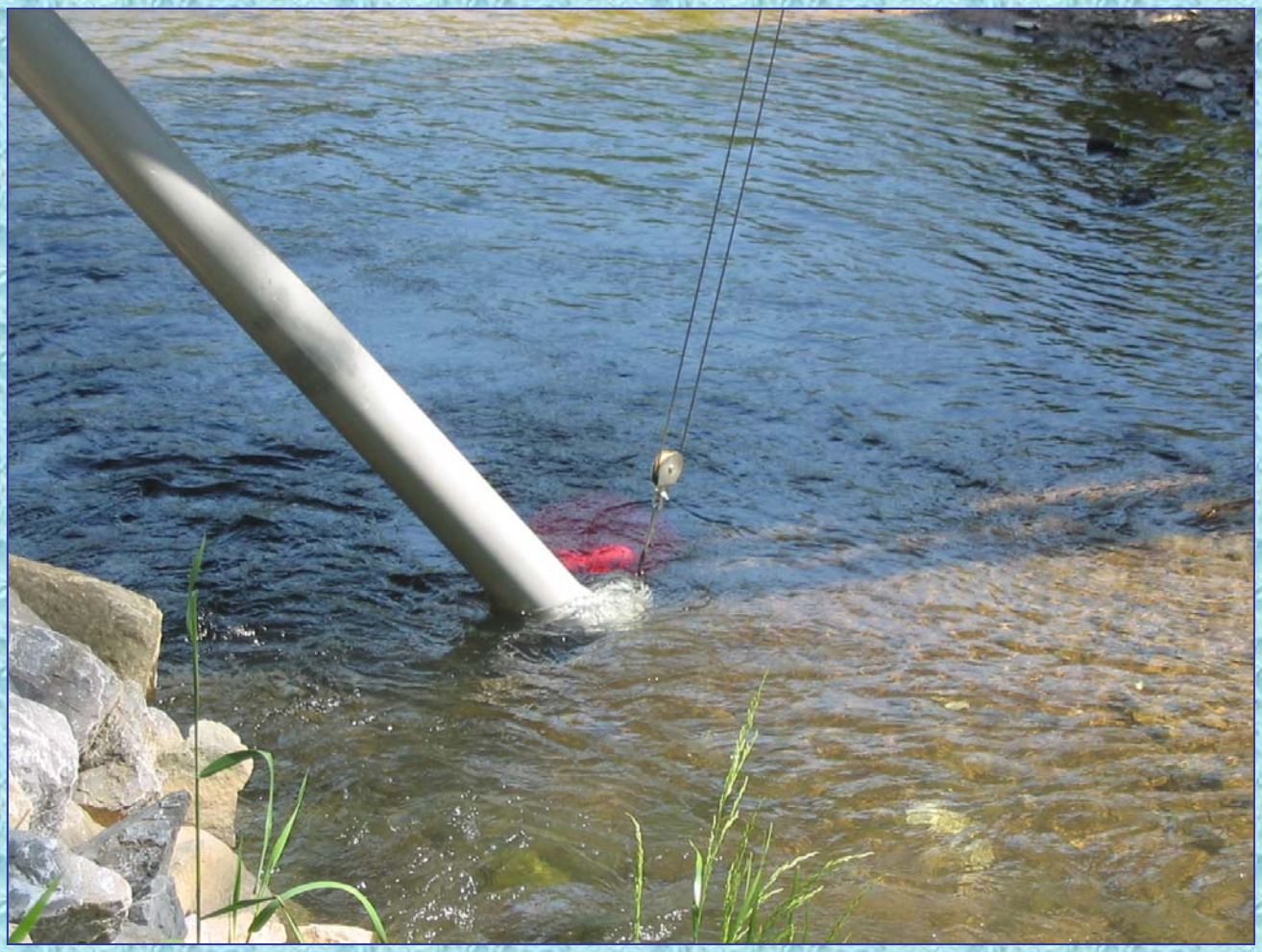
Bridge Mounted DFH

This DFH installation required a bit of design and engineering to overcome the obstacles presented.

Strainer Stowed Under Bridge

When not deployed in the water, the strainer is stowed under the bridge.

Hoisting System



When lowered, the hoisting system places the strainer into the water at just the right depth for drafting. The teardrop strainer is designed for taking suction in moving water.

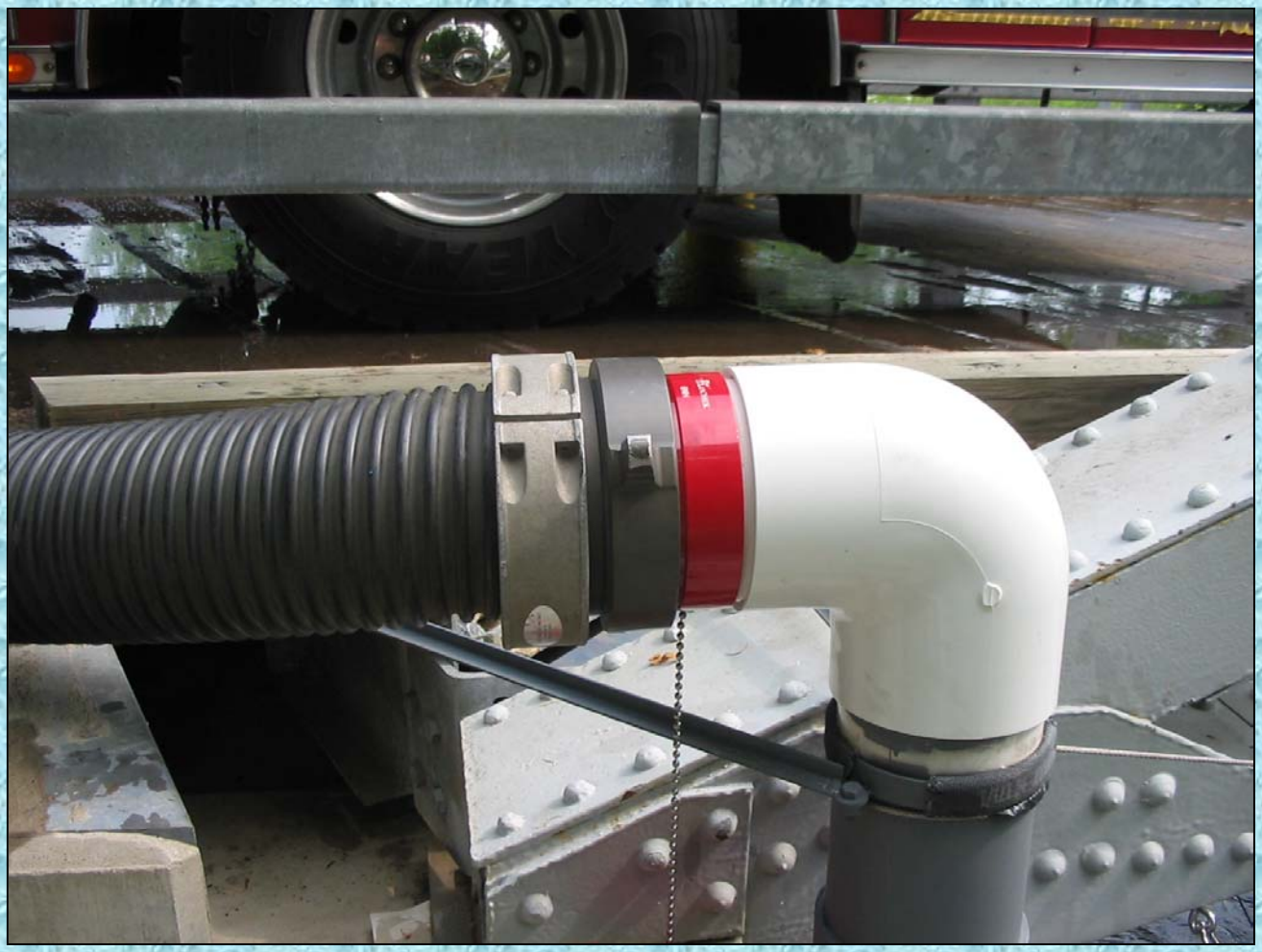
Flow Testing

One of Urbana VFD's pumper sets up for the performance flow test.

Flow Testing

Running the suction hose under the guard rail seemed to work best at this site.

Suction Fitting



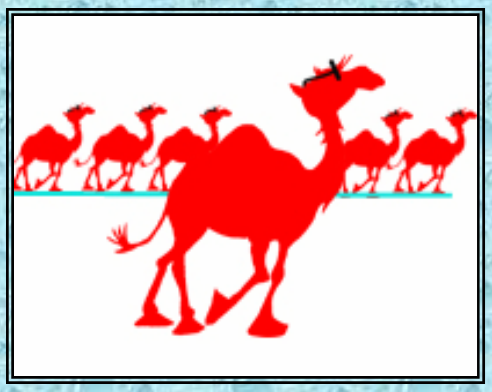
A Kochek 6-inch NST suction head is used as the suction fitting.

1000 gpm plus…

The flow test confirms the working condition of the DFH installation and should be required of every installation before acceptance of the work.

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 teardrop 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.



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