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Dry Fire Hydrants

6-inch DFH Bridge Mount
Gillis 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 and a teardrop strainer.
- The hoisting system was specially designed to raise and lower the hydrant into the stream.
- 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 Limited Water Supply



This drafting site sits on a rural road in Carroll County, Maryland.

Bridge Mounted DFH



The dry hydrant is mounted to the guard rail supports which provide a stable mounting platform and protect the pipe from winter time damage (snow plows).

A Simple Drop into the Water



The hydrant is made of 6-inch PVC pipe and easily lowers into position. There are no swivel fittings used in this design.

No Destructive Mounting



The special bridge mount was designed so that no holes had to be drilled in the structural support of this County-owned bridge.

6-inch Suction Connection

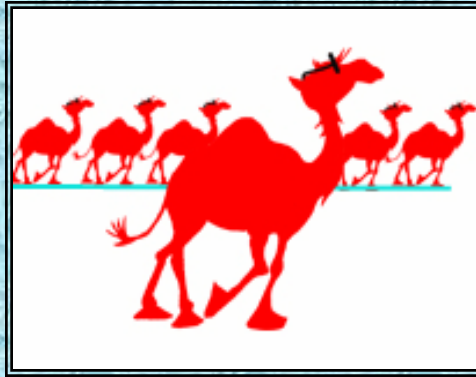


The hydrant is trimmed out with a Kochek, 6-inch male, NST suction fitting with protective plastic cap.

Lowering System



A simple pulley system is used to lower and raise the hydrant when it is needed. The hydrant is also outfitted with a Kocheck teardrop strainer designed for taking suction in moving water.



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