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Dry Fire Hydrants

6-inch DFH Bridge Mount
Bloom Road
Westminster, 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 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 drafting site is located on a bridge over Morgan Run – a small, but consistent flow stream. The bridge provides decent access for a pumper to park while drafting.

DFH Stowage



The dry hydrant at this bridge is stowed in brackets along the outside of the bridge wall. This protects the DFH from snow plow damage and allows it to be in a ready position for lowering into the waterway.

DFH Stowage



From the roadway – only a small bracket with a piece of blue reflective tape on it can be seen.

No Drilling Required



The special bridge mount was designed so that no holes were needed in the county-owned bridge. It also utilizes a simple mechanical advantage system to retrieve the DFH after it has been deployed.

Low Profile Design



The low profile of the design allows for stowage of the DFH in a neat and appealing manner. The black pieces shown above are rubber mounts that help support the suction head once the DFH is moved into position.

Teardrop Strainer



A Kochek teardrop strainer is used due to the flow of the stream.

Placement

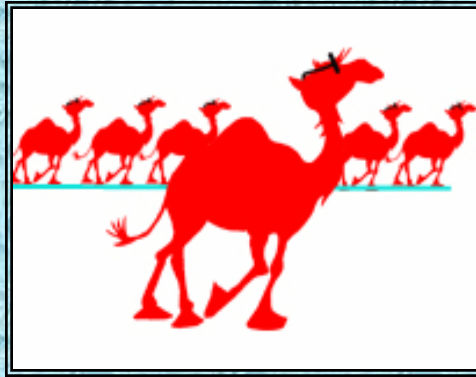


As with any DFH installed in a moving body of water, placement is very important. At this site, the DFH was installed where the water is always the deepest and always present.

Used for Tanker Fill-Site



At this water supply drill, the DFH is being used by the engine in the foreground to provide water for filling tankers. They are drafting with a single section of 6-inch suction hose.



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