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Dry Fire Hydrants

6-inch DFH Bridge Mount
Woodbine Road
Woodbine, 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 the South Branch of the Patapsco River in Woodbine, Maryland. It is a fairly large span for bridges in the area and provides excellent access for pumpers.

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.

Lowering & Retrieval System



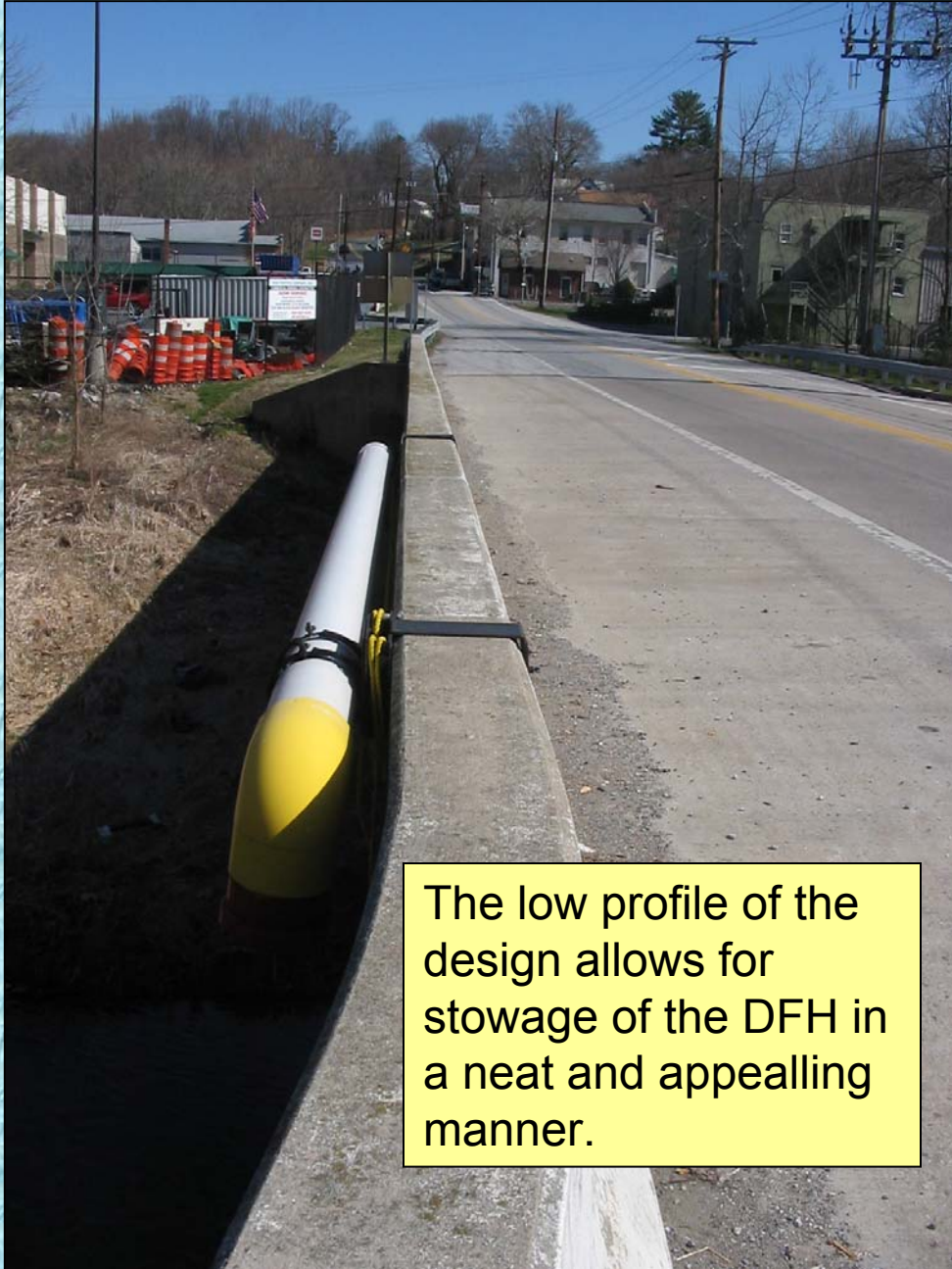
A simple, mechanical advantage system is used to lower and retrieve the DFH.

No Drilling Required



The special bridge mount was designed so that no holes were needed in the State-owned bridge.

Low Profile Design

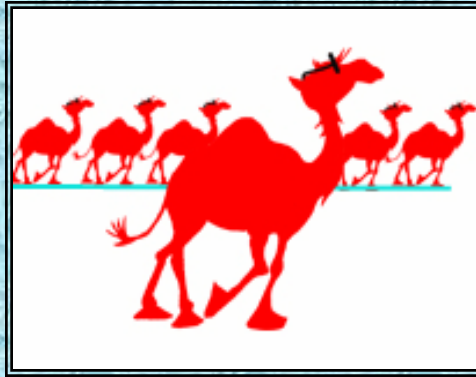


The low profile of the design allows for stowage of the DFH in a neat and appealing manner.

Teardrop Strainer



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



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