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Dry Fire Hydrants

Repair of 6-inch DFH
Gillis Falls Road
Mt Airy, Maryland

Dry Hydrant Repair



This DFH in Mount Airy, MD did not always look like this. Some time after installation, an air leak developed at the suction head connection to the PVC pipe. GBW Associates, LLC were contracted to repair the DFH.

Dry Hydrant Repair



The original suction head was replaced with this Kocheck, 6-inch NST head.

Dry Hydrant Repair



The entire 45-degree elbow was replaced

The Air Leak



The air leak in the original head occurred at the interface between the metal and the PVC. Basically, the PVC cracked and could not be repaired.

Cut, Glue, Paint



The old head was cut off below the elbow and a new elbow and head assembly was glued on. The pipe was painted yellow using UV resistant spray paint.

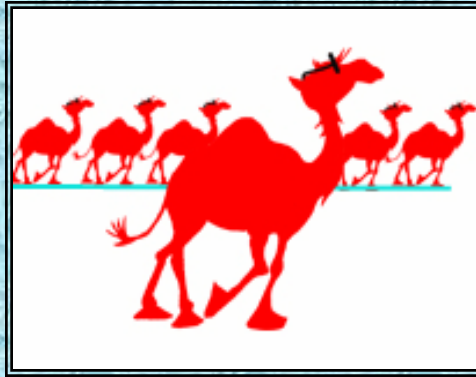
Support Stanchion



Finally, a support stanchion was fabricated and installed to help support the pipe when FD suction hose is attached to it.

Facts & Figures...

- Dry hydrant maintenance and testing are an important part of a community's fire protection readiness.
- While this DFH provided access to a 1-acre pond, its air leak denied that access.
- The repair was relatively easy and the GBW tech made quick work of installation.
- Painting the PVC pipe is important in order to protect the pipe from degradation caused by UV rays from the sun.



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