

Highland Pines Domestic Water Improvement District (HPDWID)
April 2022 Communication

1. Water Line Infrastructure Project Update

- Madizell Drive:
 - ✓ Water main installation completed.
 - ✓ Testing completed and passed.
 - ✓ Service connections completed.
 - ✓ Tie overs to existing system completed.
 - ✓ Pavement was delayed due to weather - due to be replaced by the end of April.

- 2.1 Mile Water Main through Forest Service Property:
 - ✓ 6400 lineal feet of ductile iron pipe installed and tested.
 - ✓ Contractor has hammered through approximately 100 cubic yards (CY) of rock so far out of 1660 CY in the bid.
 - ✓ Laying pipe at an average of 100' per day.

The contractor is currently in the process of relocating the temporary bypass line and moving it to connect Pump Station #2 to the subdivision connection at Arrowhead Drive. Beginning the week of 4/18/2022, installation of the last portion of the ductile iron pipe main line will begin. The entire project is on schedule with a completion date of July 15, 2022.

2. Pump Issue in Pump Station #2

Due to the cold weather in February, the temporary water bypass line our contractor (Mountain High Excavating) ran through the US Forest Service between Pump Stations #1 and #2 froze up one weekend. Fann Environmental spent several hours attempting to free up the ice but a lot of ice and dirt passed through one of the pumps. As a result, one 25 horsepower (hp) pump in Pump Station #2 failed and quit pumping water. Fann suspects the age of the pumps in conjunction with the ice, air, and debris caused the failure of the pump's impeller. The 25 hp pumps in both Pump Stations #1 and #2 are approaching 30 years old (which is an extremely long-life span for water pumps) and parts for these aging pumps are obsolete and unavailable. Pump Station #3 (located at the end of Madizell) has three newer 7.5 hp pumps. As a result of the pump failure in Pump Station #2, the Board Chair and Vice-Chair met with Phoenix Pump, Inc. and Fann on 3/1/22 at the Pump Station to evaluate the situation. Four 25 hp Grundfos replacement pumps (two for Pump Station #1 located at Spence Springs Road and two for Pump Station #2 located on Forest Service property) were ordered at a cost of \$7500/per pump (this does not include installation or electrical costs). The pumps are expected to arrive sometime the week of 4/18/22 and will be installed as soon as they are delivered. Should the single functioning pump in Pump Station #2 fail before a new pump can be installed, Fann has a backup Plan "B". Plan "B", which is a temporary fix, is to re-plumb the piping inside Pump Station #2 to accommodate another pump of similar size and output.

PLEASE NOTE - if the one and only functioning pump in Pump Station #2 fails, HPDWID may run out of water in a short period of time when the water tanks are empty.

PLEASE keep your water use to a minimum until HPDWID is up to full speed with the new pumps. We live in the mountains and the HPDWID water pipes and water tanks are very old and subject to deterioration and breakage. It is always wise to keep a backup supply of water available to use - especially, with the current HPDWID pump situation. You don't want to be caught without any available water!