4. A check valve (1.5'') at the begining of the pipeline to prevent backflow when the pump is off
5. A regulator valve, manually operated, with a floodgate of 1.5 inches
6. A check valve (3'') installed 50m before the reservoir to reduce the impact of the backflow when the pump is off
7. A propulsion pipeline with 19 connections, one every 24 m (i.e., one every 6 pipes).

Recommendations:

1) Reforestation of the area where the 3 springs are located and protection of the site from any type of exterior contamination.
2) Employment of a person to be responsible for checking the volume of water accumulating in the cistern, for starting and stopping the water-pumps, for the maintenace of the equipment, pipelines and valves, as well as opening and closing valves at the sources.
3) Pumping the water twice a day at, say 6 am and 6 pm, or any other schedule that is adequate, as long as pumping is done at intervals that allow a sufficient quantity of water to acumúlate.
4) Continued harnessing of rainwater at the reservoir, as long as it is collected in a separate tank since rainwater should not be mixed with water collected from the springs.

NOTE:

Additional information about the Makaya Water Project and other PIP projects in Haiti can be found on the Partners in Progress website: www.PIPHaiti.org or by contacting:

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