

Halls High School Cistern

Too much stormwater draining off surfaces like roads, parking lots, and rooftops and being piped directly to creeks contributes to streambank erosion and sediment pollution. One way to reduce the amount of stormwater reaching our creeks is to capture stormwater runoff from rooftops in cisterns and reuse it. To demonstrate this age old practice with modern techniques, the Beaver Creek Task Force installed a 1,550 gallon cistern on the greenhouse at Halls High School. This cistern captures the first one inch of rainfall from the greenhouse roof for reuse in the greenhouse and the raised bed gardens surrounding the structure. The stormwater is run through a three stage filtration system that makes the water potable.



HHS Students Built the Cistern Pad



Water Intake and Initial Filtration



Carbon, Sediment, and UV Filters



Valve System



Completed Cistern