



## Active/Passive Hybrid System

An affordable housing development in Santa Fe, New Mexico sought to combine passive solar design and rainwater harvesting on a very tight budget. Tanks were purchased in bulk with each tank to be connected to a pumice wick system. The objective was a small water harvesting and irrigation system with no moving parts other than a hand operated valve. The details of the system are shown on the following page. A variety of fruit trees and shrubs were distributed throughout the development to encourage sharing of produce and community interaction. The fruit trees were placed on the North sides of buildings to encourage later flowering because of common late spring freezes. Street trees were chosen for toughness, variety, and reasonably low water consumption. Placement of street trees and planting areas was done to harvest rainwater from the garage roofs and from the driveways

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**Arroyo Chico: Tank and Pumice Wicks**

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