



## Community Water Company of Green Valley

*...reliable drinking water ...and sustainable water supplies for our customers*

### A History of Water Leadership

Formed in 1975, Community Water has sought out renewable water supplies; and has reliably delivered drinking water to our members since 1977. The past 37 years has found Community Water taking a leadership role in committing to the Central Arizona Project (CAP) to bring Colorado River water to the Green Valley/Sahuarita area.

As desert dwellers, we all understand the importance of water. We also know that our aquifer, in the Sahuarita and Green Valley area is declining.

At some locations, well water levels have dropped by as much as 150' in the last 50 years due to the increased demand that residents and businesses are placing on this portion of the natural aquifer of the Santa Cruz River Valley.



The Upper Santa Cruz Providers and Users Group (USCPUG), a coalition of a number of communities and water users in our region, was established to develop a plan that will guide management of the water resources of our community. Community Water and Green Valley Domestic Water Improvement District are proactive members of this group.

### Committed to Bringing CAP Water to Green Valley

By 1984 Community Water had filed a plan with the U.S. Bureau of Reclamation for a pipeline to bring Colorado River water to Green Valley from the terminus to be built at Pima Mine Road.

This project went unfunded, but Community Water did commit to its first CAP water allocation and signed a CAP entitlement subcontract in 1985. Community Water and the Green Valley Water District are the only CAP entitlement holders south of Tucson.

The challenge for the Upper Santa Cruz area is that drinking water needs are a small percentage of the total ground water pumping. The majority of the water table decline is attributable to agriculture and mining—historically neither of these groups has replaced their ground water usage. Elimination

of all drinking water deliveries will not halt the declining water table.

To ensure a future supply of drinking water, Community Water is working to halt the water table decline in the Upper Santa Cruz area. We are developing a pipeline and

underground water storage facility to bring Colorado River water to the Upper Santa Cruz area in Green Valley and Sahuarita.

### Our Project, the CWC CAP Water Delivery System

Community Water has commissioned the design of a water delivery system that could transport its CAP water allocation from the CAP terminus, at Pima Mine Road and I-19, to a Community Water water purification plant located on Old Nogales Highway. Community Water is preparing to begin construction of the initial phase; a 6.8-mile pipeline and a recharge basin, in the second quarter of 2012. Ultimately, the pipeline will extend 9.6 miles.

## The Pipeline Route

The initial phase consists of a 36 inch diameter main delivery pipeline that would connect into an existing transportation main that delivers CAP water to the Pima Mine Road Recharge Project (PMRRP); the connection will be at the entrance to that recharge facility. From the PMRRP connection, the pipeline will then extend eastward to Nogales Highway, then south along Nogales Highway to Old Nogales Highway, and then continues south along Old Nogales Highway for about a mile. Here the 36-inch diameter pipeline ends adjacent to the proposed Community Water recharge site to the west of Old Nogales Highway.

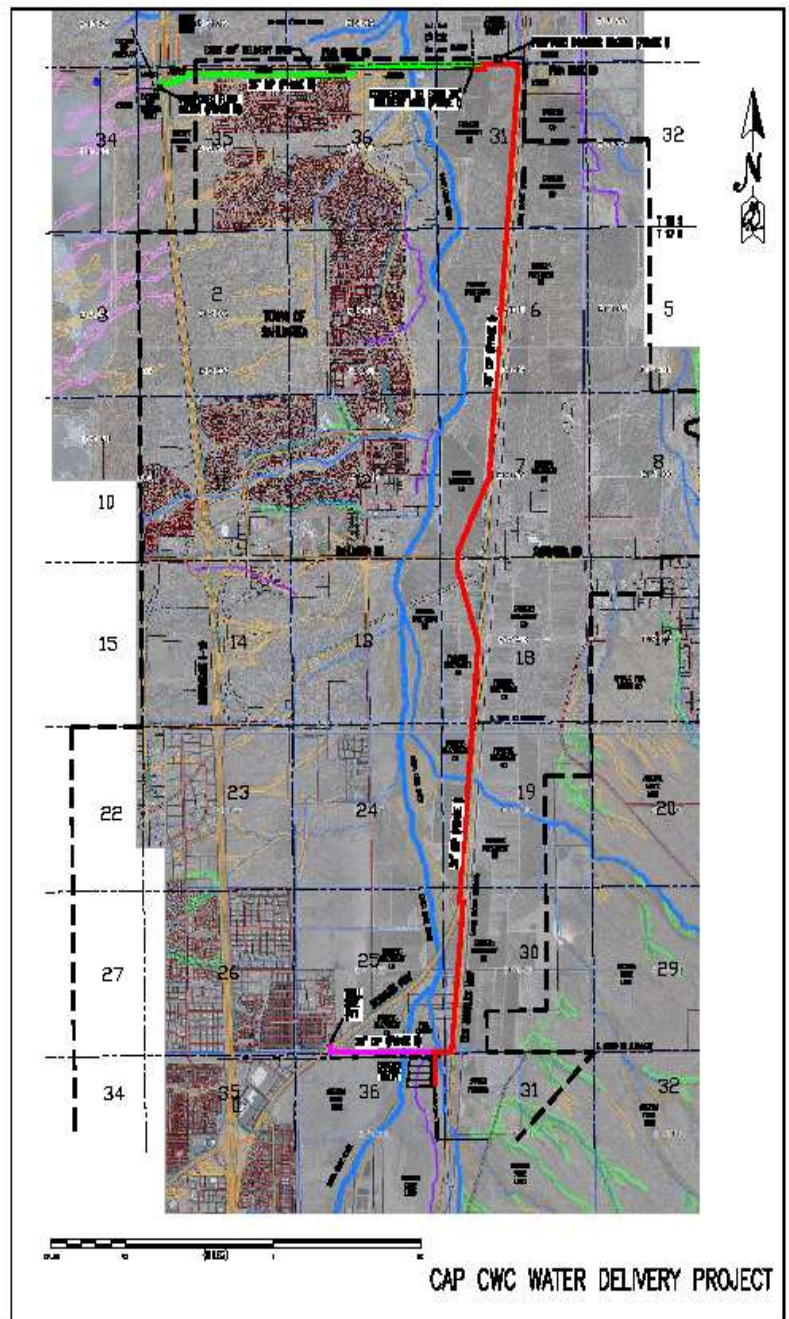
## Project Design

USCPUG, with Community Water leading the project initiative, worked to ensure that the design capacity of the main pipeline would address the future needs of USCPUG members; which is estimated to be approximately 30,000 Ac-ft per year, including Community Water.

Community Water is delighted with having completed a Final Environmental Assessment and the clean bill of health for our project. And, the Community Water Project is the only renewable water delivery system in the Upper Santa Cruz area to have completed an Environmental Assessment.

The recharge facility, consisting of 17 acres dedicated to recharge was selected and evaluated as part of the Environmental Assessment. This provided a positive environmental impact; the benefits of recharging water upstream in the USC River area to offset over-pumping of ground-water identified by USCPUG.

This project will be constructed at no cost to Community Water members. Augusta Resource Corporation, the parent company of Rosemont



Copper, has agreed to fund construction as part of its commitment to Community Water to provide water recharge conservation in the Green Valley/Sahuarita area. This is the first industrial entity to address its impact on water pumping in our area as part of its development.

With this project, Community Water continues to develop a renewable water supply for its members.

**For questions contact Arturo Gabaldón, President, Community Water Company of Green Valley (520) 625-8409, [arturo@communitywater.com](mailto:arturo@communitywater.com).**