



Bond Del Rio Ranch *Engineering*

For three years, FE has been part of the development team of The Bond Ranch. This project, located in the Town of Chino Valley, was a planned area development with 3500 acres of land. The development is to include a resort, two golf courses, a commercial "Town Center", multi-family and single family residences, parks, lakes, and other amenities.

Our work began with the review of the water and sewer master plan developed by Shephard Wesnitzer, Inc. FE performed field studies on the viability of the conversion of the existing irrigation wells on the property to potable water wells. FE performed water quality analysis from several wells and completed an extensive study on arsenic concentrations in groundwater.

FE provided cost modeling of water and wastewater systems design and construction for the entire project. FE aided in the preliminary plat development of the Del Rio East Alpha, which will include 1800 to 2000 single family residences. FE has begun the design of the water production, storage and treatment facility for this phase of development. FE also completed the preliminary design of a regional lift station and 23,000 linear feet of sewer force main that will serve the entire north side of the Town of Chino Valley. FE was instrumental in negotiations with Town staff in the development of the water and wastewater infrastructure requirements. FE worked with the project team members to develop a private water company for the development. This included work with both the Arizona Corporation Commission and the Department of Water Resources.

Owner: Bond Ranch @ Del Rio Springs, LLC

Role: Engineer/Consultant

Contract Amount: \$181,000

Project Start Date: September 2005

Project Completion Date: December 2008*

*Project stopped due to economic downturn.

Fann Environmental Key Personnel:

Jeff Sawyer - Contracts Manager & Project Estimator

Robert Upton - Design Engineer & Project Manager

Mike Young - Technical Review, Water Exploration & Testing



References:

Kevin Nagai, Base Capital, 425-646-3030

Duncan Wallace, Managing Partner, 206-999-4951