

## UPCOMING PROJECT

### Design-Build-Operate

### 32 MGD Water Reclamation Campus

Pima County's Regional Optimization Master Plan (ROMP), completed in November 2007, recommended replacing the Roger Road Water Reclamation Facility (WRF) with a new Water Reclamation Campus (WRC) to comply with current and future permit discharge requirements set forth by the Arizona Department of Environmental Quality (ADEQ).

The permit discharge requirements include lower nitrogen and fecal coliform concentrations, along with other related constituents. Phosphorus reduction will be required in the near future and will be included in the project requirements. At a minimum the new WRC will include a pump station, preliminary treatment, biological secondary treatment, disinfection, first stage sludge thickening, and odor control. The new WRC is located northwest of the existing Roger Road WRF (2600 West Sweetwater Drive, Tucson AZ) on the east bank the Santa Cruz River. Influent to the new WRC will be from a gravity sewer, connecting Ina Road WRF to Roger Road WRF, located east of the site. The new WRC will discharge treated effluent to the Santa Cruz River via the existing outfall for the Roger Road WRF. Thickened sludge will be conveyed to Ina Road WRF through an existing force main for final processing. The WRC facility must be in satisfactory operation by January 2015.

The new WRC will be procured through a two-step procurement for a Design-Build-Operate (DBO) contractor. Pima County will contract with one firm to design and build the facilities and then operate the facilities for a minimum of 15 years with a renewal of 5 years. The request for qualifications from interested firms will be issued in January 2009.