

WATER TREATMENT AND DISTRIBUTION IMPROVEMENTS

Location: Jackson, KY

Client: City of Jackson
Mayor Michael D. Miller
(606) 666-7069

Completion Date: 2001

CDP's responsibilities include project development, funding, land surveying, water treatment plant (WTP) design, hydraulic analysis of the distribution system, plan and specification development, contract administration, and resident observation for the \$6,800,000 improvements project. The project will include a new 2.5 million gallon per day WTP, water distribution system lines, and a ground storage tank. The WTP will have a high service pump station and a 400,000-gallon clearwell for finished water storage. Final design is expected to be complete by February 2001. Preliminary design, project development and funding tasks completed include:

- Securing funding from several state and federal sources as listed below:

Community Development Block Grant	\$999,000
Rural Development Grant	\$900,000
Rural Development Loan	\$2,149,000
Appalachian Regional Commission Grant	(pending)
Economic Development Administration	\$500,000
Coal Severance Tax Set-Aside	\$500,000

- Preparing the preliminary engineering report for Rural Development as well as providing material and reports to satisfy the preliminary project requirements of the Division of Water and all other funding agencies.
- Constructing a utility system map using global positioning surveying (GPS) equipment for data capture and maintenance, digital ortho-photography for backgrounds, and GeoSync® software to interconnect utility files with county property files for a living centralized database.