

Duncannon Road Water Line & Sanitary Sewer Relocations

project description | water distribution

location

Richmond, Kentucky

client

Richmond Utilities
Mr. Scott Althausen
(859) 623-2323

budget

\$1,000,000

completion date

2006



The Richmond Utilities Board (RU) contracted the services of CDP Engineers, Inc. to provide water line and sanitary sewer designs to accommodate the widening and relocation of Duncannon Road in southern Madison County. The road is located just south of the City of Richmond and will provide access to I-75 via a planned interchange. The relocation effort by the Kentucky Department of Highways is significant, drastically changing the frontages along the corridor. CDP was chosen to assist RU with consulting services ranging from preliminary design and route selection to easement preparation and negotiations. The project relocated approximately 1,500 lineal feet of 16-inch, 1,800 lineal feet of 12-inch, and 4,700 lineal feet of 8-inch water main and approximately 300 lineal feet of 8-inch gravity sewer.

project components

- Design of approximately 8,000 linear feet of 8-inch through 16-inch ductile iron water main.
- Connections to existing mains at twenty five separate cross connections and other major users.
- Upgrades of all private services throughout the project corridor.
- Preparation of plan and profile sheets such that conflicts with other utilities were avoided.
- Due to the industrial users in the area it was not possible to shut the water service down for any period of time. Hydra-stops were used to allow continued service to these customers during. No service interruptions occurred during the construction period.
- The deliverable product included photos of all installations, two-point field measurements for all surface features, and GIS data for all fittings providing x,y, and z coordinates.