

Windsor Drive and Stateland Pump Stations

project description | sanitary sewer

location

Richmond, Kentucky

client

Richmond Utilities

completion date

September 2007



The project included two pump stations and related site work, electrical controls, piping and other equipment. Stateland and Windsor Drive pump stations had firm pumping capacities of 100 and 150 gallons per minute, respectively. Pumps are automatically controlled based on liquid level with audible and visual alarms that activate at a pre-set high level point. Pumps are mounted on a dual-rail removal system that permits any pump to be removed while maintaining pump station operation. Both stations are provided with an emergency bypasses which can be used during extended electrical outages. The projects are located in existing residential areas; consequently, all structures were placed at grade to maintain the aesthetics of the area. The existing pump stations remained in service during construction.

project components

- Two duplex pump stations serving residential areas
- Projects located in residential / aesthetically sensitive areas
- Emergency bypass provided for extended electrical outages
- Existing pumps stations maintained in service during construction
- Lift system allows pump to be removed with station in operation

