

Water Pump Stations Category Category

1. Ohio County Development Authority – Wheeling, WV

Facility: Highlands Pumping Station

Year: 2004

Construction Cost: \$180,000

Capacity: 500 gpm

Pump Type: Horizontal, Single Stage End Suction

Horsepower: 20 hp

Service: Potable water

This water pumping station supplies water to the Highlands development. The Highlands is a 400 acre destination retail development located along I-70 in Ohio County, WV. This facility consists of a masonry building with wood truss roof that houses a duplex pre-engineered pump skid. A separate room inside this facility contains a sodium hypochlorite feed system to boost the chlorine in the water as needed to meet disinfection requirements. The pumping station is controlled by a radio telemetry system to fill an adjacent water storage tank.

2. Belmont County Sanitary Sewer District, Belmont County, OH

Facility: Village of Flushing Pumping Station

Year: 2005

Construction Cost: \$245,000

Capacity: 250 gpm

Pump Type: Single Suction In-Line Type

Horsepower: 20 hp

Service: Potable water

This water pumping station supplies water to the Village of Flushing. This facility consists of a 400 square foot masonry building with wood truss roof that houses two pumps with a separate room for a gas chlorination system to boost the chlorine in the water as needed to

meet disinfection requirements. A radio telemetry system controls the pumps to fill the Village's water storage tank.

3. Ohio County Development Authority

Facility: Elm Grove Pumping Station

Year: 2011

Construction Cost: \$850,000

Capacity: 1,400 gpm

Pump Type: Vertical Multi-stage Turbine Type

Horsepower: 300 hp

Service: Potable water

This is a 1400 gpm water pumping station complete with two vertical turbine pumps, piping and valves, chemical feed equipment, electrical gear including a soft-start pump control system, stand-by emergency generator set, SCADA system, and site work including a concrete retaining wall, chain link perimeter fence, storm and sanitary sewer extensions to the existing systems, hardscape and landscaping

4. City of Saint Clairsville, Saint Clairsville, OH

Facility: Saint Clairsville Pumping Station

Year: 2005

Construction Cost: \$250,000

Capacity: 700 gpm

Pump Type: Horizontal Split Case

Horsepower: 25 hp

Service: Potable water

The City of Saint Clairsville supplements their surface water treatment plant supply with water purchased from the Belmont County Sanitary Sewer District. This pumping station pumps water from the County to the City water storage tank utilizing variable speed pumps. A gas chlorination system and corrosion control feed system are also incorporated into this pumping station.

5. Muskingum County Water, Zanesville, OH

Facility: Jersey Ridge Pumping Station

Year: 2005

Construction Cost: \$210,000

Capacity: 500 gpm

Pump Type: Horizontal Split Case

Horsepower: 40 hp

Service: Potable water

This water pumping station fills the Pinecrest Water Storage Tank. This facility consists of a 746 square foot masonry building with wood truss roof that houses two pumps with a separate room for local water system material storage. A radio telemetry system controls the pumps to fill the Village's water storage tank.