

Las Cruces Screw Pump Lift Station Conversion

Client

Las Cruces

Completion

2010

Size

17,000 GPM

Cost

\$1,269,000

Molzen Corbin worked with the City of Las Cruces to convert the influent lift station for the wastewater treatment plant from a screw pump to a submersible pump lift station. Molzen Corbin reused the old structure as a wet well with submersible pumps. A new structural wall was designed to fit within the existing structure, along with an aluminum cover. Molzen Corbin determined that three 6,000-gallon-per-minute (gpm) pumps would be needed to handle the flow at the City's main sewer treatment plant. The three pumps would be able to handle peak flows near 17,000 gpm. The design also included a 24-inch-diameter forcemain from the main header pipe to a new 36-inch-diameter line that connected to the plant's entrance works.

Scope of Work

Water Resources Engineering, Electrical Engineering, Grants/Funding, Architectural, Construction Observation/Administration

