



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

0712.doc



Allen Road Pump Station

PROJECT TYPE:
MUNICIPAL,
WATER & WASTEWATER

PROJECT LOCATION:
AUSTIN, TEXAS

PROJECT OWNER:
CITY OF AUSTIN WATER
UTILITY

**PROJECT
COMPLETED:**
2012

**CONSTRUCTION
COST:**
\$4,610,000

PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. prepared the drawings and specifications for the structure, enclosure, accessories, and finishes for this 4,800 square foot facility in Austin, Texas. The pump station building houses 2-2000 gpm pumps and 3-1800 gpm pumps, and has a capacity of 13.5 mgd.

The foundation consists of a slab-on-grade with perimeter grade beams and trench structures, supported by drilled piers bearing on limestone. Removable grating trench covers inside the building provide access to recessed piping.

The superstructure consists of a pre-engineered metal building with a 2-ton overhead crane. Portal frames and reinforced concrete masonry back-up walls provide lateral bracing. The building envelope consists of a native limestone facade with oversized decorative shuttered openings constructed of integrally-colored recycled plastic lumber. A sloping prefinished insulated metal panel roof with clerestory window projections was provided. Special provisions were made in the design to meet strict neighborhood criteria for noise and aesthetics.

The single level facility houses pumps, piping, electrical and instrumentation equipment, piping controls, restroom, and storage room. A decorative fence, constructed of stone and recycled plastic lumber, conceals outdoor equipment.

