



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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Twin Creeks Lift Station

PROJECT LOCATION:
CEDAR PARK, TEXAS

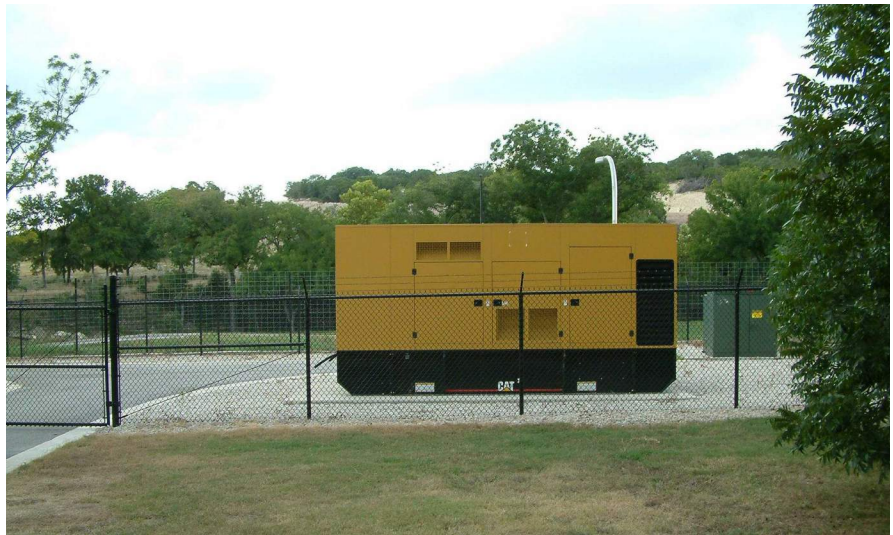
PROJECT OWNER:
TWIN CREEKS HOLDINGS

CIVIL ENGINEER:
RANDALL JONES ENGINEERING

GENERAL CONTRACTOR:
GREATER AUSTIN DEVELOPMENT

PROJECT COMPLETED:
2002

CONSTRUCTION COST:
\$1,100,000



PROJECT DESCRIPTION:

PKA provided engineering designs for site structures at this subdivision in Cedar Park, Texas. The project consists of a wet well, a valve vault, and foundations for a 6400 gallon bioxide tank, a 1000 gallon water tank, a 2 ton jib crane with 21' boom radius, a transformer and a generator. Lift station capacity is 825 GPM.

The wet well structure is 12'-6" x 12'-6" x 30' deep, and consists of 18" thick cast-in-place concrete walls and a 4'-0" thick base slab. A chemical resistant coating was provided at the interior surfaces, and access hatches are provided in the top slab. The 8' x 10' x 6' deep valve vault consists of 10" thick cast-in-place concrete walls and a 1'-0" thick base slab.

The jib crane foundation consists of a pier cap and a drilled pier founded 8'-0" into limestone.