



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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Falconhead Golf Course Cantilevered Green at Hole #17

PROJECT LOCATION: BEE CAVE, TEXAS
PROJECT OWNER: BSL GOLF CORP.
COURSE ARCHITECT: PGA TOUR ARCHITECTS
GENERAL CONTRACTOR: AMERICAN CONSTRUCTORS
DATE COMPLETED: 2002
CONSTRUCTION COST: \$235,000



Before and After Construction

PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design for the cantilevered concrete structure supporting the green at the feature hole of this golf course west of Austin.



The 3600-square foot structure consists of a 28-foot cantilevered slab with a 16-foot back-up span. The main slab is post-tensioned to control deflections and to minimize the required structural depth. The 8-foot tip section of the cantilevered slab is mildly-reinforced, and tapers from 12 to 8 inches thick at the exposed edge. Drilled shafts, founded in limestone rock, were used to support the heavy loading along the face of the cantilever and the large uplift loads along the back-up span of the cantilever. The shafts were spaced at 8 feet on center. The top of the slab has a chemical-resistant coating, and is sloped to direct water to drains. A gunite finish, sculpted and integrally stained to resemble limestone, was provided under the structure.