



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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Stassney Retail Center Retaining Wall

PROJECT TYPE: CIVIL AND SITE

PROJECT LOCATION:
AUSTIN, TEXAS

PROJECT OWNER:
LOWE'S HOME CENTERS, INC.

ARCHITECT: GSA ARCHITECTURE

CIVIL ENGINEER:
CUNNINGHAM-ALLEN, INC.

GENERAL CONTRACTOR:
BROWNING CONSTRUCTION CO.

COMPLETED: DECEMBER 1999

CONSTRUCTION COST: \$750,000



PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural engineering for this cast-in-place concrete retaining wall structure near the intersection of Stassney and IH35 in Austin. The project owner wanted to save the large trees at the high side of the excavation and maximize the available parking area while maintaining a maximum 3% grade. After evaluating various alternatives, a unique wall system was selected, which consists of a drilled pier soldier-pile system with a variable thickness concrete wall facing, supported on a footing anchored to the soldier-piles and an additional row of drilled piers along the toe. At its tallest point, the structure was designed to retain 30 feet of soil. The structure is over 880 feet long.