



**Pickett, Kelm & Associates, Inc.**  
Consulting Structural Engineers

0828.doc



DOWNSTREAM

**PROJECT TYPE:**  
CIVIL, SITE STRUCTURE

**PROJECT LOCATION:**  
AUSTIN, TEXAS

**PROJECT OWNER:**  
JPI AUSTIN

**CONTRACTOR:**  
GREATER AUSTIN  
DEVELOPMENT, INC.

**COMPLETED:**  
2001

**CONSTRUCTION COST:**  
\$450,000 POND  
\$200,000 OUTLET STRUCTURE



UPSTREAM

## JPI Four Points Outlet Structure

**PROJECT DESCRIPTION:**

Pickett, Kelm & Associates, Inc. provided structural engineering for this cast-in-place concrete outlet structure. The 60 foot long structure was designed to retain 30 feet of water in a regional detention/retention pond. The design was complicated by a clay subgrade that required excavation and replacement with lean concrete fill to support the outlet structure.