



North Main Street Regional Detention Pond

This project consisted of planning, design, bidding, and construction administration services for a 1-acre stormwater detention pond in a fully developed 120 acre urban watershed. The contributory area includes a shopping mall, several "big box" shopping centers, and two 6-lane urban roadways.

Scope:

- The pond was designed to attenuate very sudden/flash peak flows while maintaining a natural low-flow channel through the area
- A fore-bay was utilized to help settle out suspended solids, thus improving downstream water quality
- The project included three 60-inch HDPE pond inlet pipes, one 60-inch outlet pipe with 36-inch low flow pipe, concrete overflow structure, and concrete headwalls with integral energy dissipaters
- Other site work includes clearing and grading, chain-link fencing, erosion control and site stabilization
- Project videos and photo slideshows can be found at www.youtube.com/stormwaterCOA

The Project: Entire Project
 Preliminary Engineering Report
 Regulatory Approval
 Preliminary Design
 Field Location Survey
 Final Design
 Construction Services

Contract Value: \$329,000

Contract Period: 193 Days

Principal Contractor: Loftis Corporation



Client Contact: Don Chamblee, P.E.

PER Cost Estimate Amount:

Design Cost Estimate Amount:

Bid Amount: \$329,000

Change Order Amount:

Estimate Schedule:

Actual Schedule: 193 days

Schedule Variance Reason:

Date: