



2470 Sandy Plains Rd. Suite A
Marietta, GA 30066
Phone (770) 321-3936
Fax (770) 321-3935
cepple@seengineering.com

June 29, 2011

Rivermoore Park
Homeowners Association

RE: Rivermoore Park Unit 2 & 3 Stormwater Facility Initial Assessment

Dear RP-HOA,

An initial maintenance inspection of Meadow Park View's upper lake was completed on June 15th 2011. The +/- 1 acre lake has been designated as Rivermoore Unit 2 & 3's primary stormwater management facility by Rivermoore Park Unit 2 & 3 Final Plat recorded in Gwinnett County in the late 1990's. The facility's primary function is to mitigate the stormwater impacts associated with the development of the majority of the homes within Rivermoore Park Units 2 and 3.

The earthen impound structure and grass lined emergency spill way appear to be good condition. The impoundment structure's downstream toe is dry and stable, and the entire structure is clear of trees and shrubs. Although there is no evidence to suggest a breach is imminent, the facility clearly isn't functioning as intended. Significant silt deposits were observed, particularly at the facility's upper reaches inhibiting stormwater conveyance. The facility's stage-storage volumes have been reduced by accumulated silt which reduce the facility's ability to temporary attenuate peak stormwater discharges. Additionally, the facility's existing primary outlet control structure (OCS) consists of a corrugated metal pipe (CMP) standpipe and gate valve (for pond maintenance). The CMP is corroded and leaking dropping the facility's intended normal pool elevation.

In my opinion, the existing stormwater facility requires immediate corrective maintenance to reinstate the pond's intended function. The increased stormwater releases associated the facility's diminished capacity will likely have detrimental downstream stormwater impacts to the +/-140 acre federally protected "Meadow" immediately downstream that are already under close regular regulatory scrutiny. Based on my review of the recorded final plat, the existing facility lies within Common Area #1 and as such, the maintenance responsibilities, falls to the Rivermoore Park's homeowners association.

If you have any questions or require further information, please don't hesitate to contact me directly.

Sincerely,

Chad W. Epple, PE, MASCE

Vice President
Southeastern Engineering, Inc.