

# CARTER ASSOCIATES, INC.

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### MEMORANDUM

**TO:** IRFWCD Supervisors, David Gunter, Marvin Carter, & George Simons

**FROM:** Dean F. Luethje, P.E. *DFL*

**DATE:** May 19, 2003

**SUBJECT:** IRFWCD  
2" Discharge Limitation  
Mixed Drainage from County Road and Private Development

**CC:** David Cox – IRC Engineering  
John Boyer – Masteller & Moler, Reed, Inc.

A question has been posed to CAI reference the sizing of a stormwater detention system that combines stormwater from both a county road and a private development. The county roads were made exempt on April 16, 1996 by IRFWCD.

CAI's opinion is that the detention pond should be designed to meet one of the two following options.

1) utilize the 2" discharge IRFWCD Rule for the private development and the pre versus post runoff, not to exceed 4"/24 hr., of the county road be routed through the same pond using a volumetric relationship to average the runoff rate.

OR

2) the detention pond be sized based on the 2" discharge rule being applied to both the private development and county road.

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