



STORMWATER MANAGEMENT COMMISSION

MEMORANDUM

TO: Stormwater Management Commission

FROM: Kurt Woolford, Chief Engineer, Michael Warner, Director

DATE: September 25, 2020

SUBJECT: Watershed Development Ordinance (WDO) Amendment #2

ACTION REQUESTED: RESCIND

Staff is requesting reconsideration and rescission of WDO Amendment #2. This amendment was approved by TAC (7-3 vote) as the initial design allowance in response to the increased rainfall requirements. The number one concern at TAC was that the increased rainfall would require larger detention ponds, which reduces the net buildable area of a development site.

Subsequent to Amendment #2, the TAC approved Amendment #3 after much deliberation. Amendment #3 would allow a Certified Community to administer a fee-in-lieu program (FIL50) for detention storage requirements above the new 50-year, 24-hour rainfall depth of 7.50 inches. Comments received during the Public Comment period and the Public Hearing were supportive of the Amendment #3 FIL50 option. Amendment #7 also proposes an incentive to incorporate native vegetation and green infrastructure to reduce a site's detention volume requirement.

Staff received public comment that were not supportive of Amendment #2 which reduces the top-of-berm safety factor (from 12" to 6") for the emergency overflow/spillway design requirement. After further consideration, Staff agree this factor of safety should not be reduced, and recommend denying Amendment #2 and maintain the current 12" requirement.

Figure 1: Top of berm 12" above Emergency Spillway High Water Level

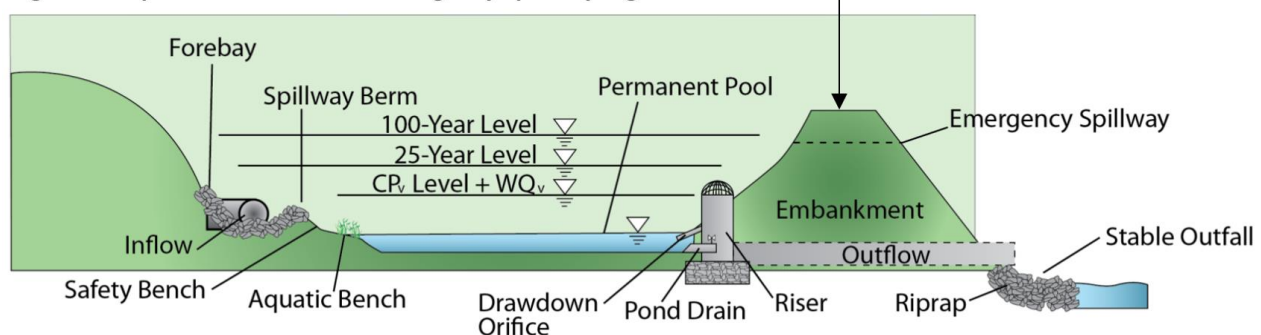


Image courtesy of Georgia Department of Transportation

Please feel free to contact kwoolford@lakecountyil.gov if you have any questions or concerns.