



CASH WAGGNER
& ASSOCIATES, PC
CONSULTING ENGINEERS • LAND SURVEYORS

August 22, 2022

Vanderburgh County Drainage Board
Civic Center Complex – Room 305
Evansville, IN 47708

**RE: Goldfinch Cove
Variance Request
Project No.: 21-5012**

On behalf of the owner, 2400 Green River Investments, LLC, we request a variance to code 13.04.440 General detention/retention basin design requirements. L. Automatically Operating Emergency Spillway Required. The emergency overflow spillway shall be designed so that it operates openly, automatically, does not require manual attention, and will pass all the 100-year return period storm flow with a one-half foot vertical minimum above the 100-year return storm flow to the lowest dirt elevation in the surrounding earthwork. All three detention basins within Goldfinch Cove have been designed to store the 100-year return storm flow volume without reaching the emergency spillway elevation. All three emergency spillways have also been designed to pass the 100-year storm flow. Therefore, the one-half foot of freeboard above the 100-year return storm flow should not be required because the 100-year storage elevation in all three detention basins is below the emergency spillway elevation and the emergency spillway will not be utilized unless a storm in excess of the 100-year occurs.

If you have any questions or require additional information, please contact our office.

Sincerely,

Glen Meritt, Jr.
Project Engineer

Approved by the Vanderburgh County Drainage Board on this _____ day of _____, 2022.

Cheryl Musgrave, President

Ben Shoulders, Vice President

Jeff Hatfield, Member