



**THOROUGHNBRED ENGINEERING**  
GEORGETOWN      LEXINGTON      JEFFERSONVILLE

P.O. Box 481 Lexington, Kentucky 40588

502.863.1756

**HOUSTON'S STATION SUBDIVISION PRELIMINARY PLAT  
STORM WATER SYSTEM**

**Property Owner  
ALLIANCE BANKING COMPANY**

**PROJECT LOCATION  
EAST OF HOUSTON OAKS  
CORNER OF CROSS CREEK DRIVE & BETHELHEM ROAD**

**APPLICANT  
CENTRUST CAPITAL HOMES LLC  
185 Pasadena Dr. #235, Lexington, Ky 40503**

**CONSULTANT FIRM  
THOROUGHNBRED ENGINEERING  
110 E. MAIN ST. SUITE 206  
GEORGETOWN, KY 40324**

**April 2018**



## Storm Water Note

Pre-Discharge indicates existing discharge conditions for each watershed prior to construction. Post-Discharge indicates discharge conditions after construction is completed. All discharge values correspond to a 100-year, 24 hour storm event. Proposed detention areas will discharge waters at existing discharge levels or lower after construction is completed. Please see a summary of calculations below.

Sincerely,

Jonathan Hale PE, SI  
Principal Engineer & Project Manager

Kurt W. Hesselbach  
Assistant to the Project Manager &  
Sr. Draftsman



**Watershed 1:**

**Size: 7.85 acres**

**Storm Event: 100 year, 24 hour, 6.55 inches**

**Storm Type: II**

**Pre Outflow: 16.55 cfs**

**Post-Outflow (before detention): 27.53 cfs**

**Discharge: to Proposed Detention Area 1**

**Watershed 2:**

**Size: 26.15 acres**

**Storm Event: 100 year, 24 hour, 6.55 inches**

**Storm Type: II**

**Pre Outflow: 55.15 cfs**

**Post-Outflow (before detention): 88.74 cfs**

**Discharge: to Proposed Detention Area 2**

**Watershed 3:**

**Size: 3.10 acres**

**Storm Event: 100 year, 24 hour, 6.55 inches**

**Storm Type: II**

**Pre Outflow: N/A**

**Post-Outflow (before detention): N/A**

**Discharge: to watershed 3**