



# MLH Civil Engineers, PLLC

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06 July 2018

Andrea S. Pompei Lacy, AICP  
Planning Administrator – Bourbon County Joint Planning  
525 High Street  
Paris, KY 40361

RE: Pre- & Post-Development Stormwater Runoff – **REVISION -06 July 2018**  
Seedtime & Harvest, LLC – Hunt Brothers Pizza  
Cleveland Road  
Paris, KY

Dear Ms. Lacy:

Attached with this correspondence are SEDCAD4 printouts of the existing conditions and post development stormwater characteristics for the aforementioned project. It is my belief that these calculations were performed within the guidelines, storm events, and modeling scenarios presented in the City of Paris Stormwater Manual.

The following peak runoff values have been calculated:

	WATERSHED A		WATERSHED B		PRE	POST
	PRE-	POST	PRE-	POST	TOTAL	TOTAL
10 YR / 1 HR	5.14 cfs	2.45 cfs	7.48 cfs	10.16 cfs	12.62 cfs	12.61cfs
25 YR / 24 HR	27.18 cfs	9.71 cfs	22.16 cfs	21.76 cfs	49.34 cfs	31.47cfs
100 YR / 1 HR	16.21 cfs	5.48 cfs	18.59 cfs	20.23 cfs	34.80 cfs	25.71cfs
100 YR / 24 HR	39.29 cfs	14.73 cfs	30.68 cfs	30.29 cfs	69.97 cfs	45.02cfs

Watershed A has a reduction in all storm events due to the proposed basin and the installation with a 5” & 12” orifice in a 24” X 24” Drop Inlet structure with a HOE-320 grate (1.8 sft drainage area). Watershed B has an increase in all of the storm events as the proposed employee parking lot and half of the loading dock are draining to the southeast corner, a small basin was added to detain the rear dock water in the smaller storms. Since both Watersheds drain under Cleveland Drive to the existing pond, one can compare the TOTAL runoff as it reaches the adjacent farm pond. Comparing the Pre & Post TOTAL runoff, there is a decrease in runoff in all of the storm events.

Included with this submittal are watershed maps illustrating the Existing & Post Development watersheds with the current site design. More detailed construction plans can be provided as the design development continues.

If there is anything else I can do to help, please don’t hesitate to call.

Sincerely,

**JOHN W. HUNT, PE, PLS**  
Professional Engineer  
Professional Land Surveyor

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