



MLH Civil Engineers, PLLC

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

RE: Pre- & Post-Development Stormwater Runoff - REVISED
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	3.92 cfs	7.48 cfs	12.34 cfs	12.62 cfs	16.26cfs
25 YR / 24 HR	27.18 cfs	17.86 cfs	22.16 cfs	25.09 cfs	49.34 cfs	42.95cfs
100 YR / 1 HR	16.21 cfs	11.06 cfs	18.59 cfs	23.90 cfs	34.80 cfs	34.96cfs
100 YR / 24 HR	39.29 cfs	25.48 cfs	30.68 cfs	33.43 cfs	69.97 cfs	58.91cfs

Watershed A has a reduction in all storm events due to the proposed basin and the installation with a 4” 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 and office are draining to the southeast corner. 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 minimal increase in two storms and significant decrease (13%-16%) in runoff in the other two events. The adjacent pond should see no appreciable change in its runoff patterns due to these changes.

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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