



HUDSON
ENGINEERING
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CONSULTING, P.C.

January 14, 2019

Robin Kramer, Chair
Board of Appeals
Village of Mamaroneck
Village Hall (Third Floor)
169 Mt. Pleasant Avenue
Mamaroneck, New York 10543

Re: Site Plan Review
416 Waverly Avenue (560 Fenimore Avenue)
Village of Mamaroneck

Dear Ms. Kramer,

Regarding the above referenced application, the grading on the subject site was performed to replicate the existing storage capacity of flood waters on the site. As verified by the charts below, in the proposed condition the storage of flood water on site increases slightly. Therefore, this development does not negatively impact the elevation of flood water in the area, and in fact it results in a theoretical decrease in the flood elevation.

Volumetric Analysis - Existing Conditions			
Elevation	Surface Area	Incremental Storage (Cubic Feet)	Cumulative Storage (Cubic Feet)
21	0	0	0
22	388	194	194
23	2,961	1,675	1,869
24	16,517	9,739	11,608
25	21,073	18,795	30,403
26	27,420	24,247	54,649

Volumetric Analysis - Proposed Conditions			
Elevation	Surface Area	Incremental Storage (Cubic Feet)	Cumulative Storage (Cubic Feet)
21	0	0	0
22	704	352	352
23	5,344	3,024	3,376
24	15,142	10,243	13,619
25	22,826	18,984	32,603
26	26,110	24,468	57,071



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Refer to the attached volumetric analysis (Sheet C-5).

If you should have any additional questions or comments, please do not hesitate to contact our office at (914) 909-0420.

Sincerely,


Michael F. Stein, P.E.
President

