



June 16, 2020

Walpole Zoning Board
135 School Street
Walpole, MA 02081

Re: Special Permit Flood Plain Protection District
Project: 300 Stone St., (Lot 2) Walpole MA
Applicant: Walsh Brothers Building Co. Inc.

Dear Board Members,

On behalf of the applicant, Walsh Brothers Building Co. Inc., we are requesting a Special Permit under Section 11 of the Walpole Zoning Bylaws to allow construction of single family dwelling in an area designated as Flood Plain District. The proposed project has been issued an Order of Conditions from the Walpole Conservation Commission for the work described herein and as shown on the attached site plans.

The proposed work as shown on the site plans consist of constructing a single family dwelling with portions of the disturbance within a designated flood hazard area. The area of proposed disturbance includes filling of flood storage and compensation of volume loss. The flood storage volume loss is 276 cubic feet and the volume of compensation is 875 cubic feet. The compensation will provide increased flood storage at a 3:1 ratio. (See attached calculations and site plan)

The proposal as shown will not have an adverse impact to the existing flood storage.

Thank you for your cooperation in this matter.

Yours truly,
GLM Engineering Consultants Inc.

Paul E. Truax, P.E.

Project:
Lot 2-300 Stone Street
Walpole, MA 02082

Flood Zone Compensation/Loss Calculation:

Flood Zone Filling/Loss:

Flood Elev. (Feet)	Section Area (Sq. Ft.)	Section Length (Feet)	Flood Loss (Cu.ft.)
176.00	0.0		
175.00	1.6	8.0	6.40
174.50	7.7	10.0	46.50
174.25	7.1	12.5	92.50
174.00	2.4	12.5	59.40
173.50	1.0	32.5	55.30
173.00	0.0	32.5	16.30
172.00	0.0	25.0	0.00
Total Flood Storage Volume Loss:			<u>276.40</u>

Flood Zone Compensation:

Flood Elev. (Feet)	Section Area (Sq. Ft.)	Section Length (Feet)	Flood Loss (Cu.ft.)
176.00	0.0		
175.00	0.0	8.0	0.00
174.50	10.3	10.0	51.50
174.25	7.3	12.5	110.00
174.00	9.8	12.5	106.80
173.50	8.2	32.5	292.50
173.00	6.3	32.5	235.60
172.00	0.0	25.0	78.70
Total Flood Storage Volume Compensation:			<u>875.10</u>