GRAFTON
Massachusetts

Jan Elyse Taylor <taylorj@grafton-ma.gov>

58 Follette Street - abutting culvert

Jeffrey Walsh <JWalsh@gravesengineering.com> Tue, Mar 7, 2023 at 10:42 AM
To: Jan Elyse Taylor <taylorj@grafton-ma.gov>
Cc: Leah Cameron <cameronl@grafton-ma.gov>

Good morning Jan,

I gleaned information – runoff volumes and peak runoff rates to the wetland - from the development area modeled in the stormwater report. Please keep in mind that the development area is only a portion of the entire tributary area to the wetland and the culvert which is the wetland's outlet. **In my opinion, the development at 58 Follette Street will have a de minimis impact on the culvert.**

Here are the changes to peak runoff rates and runoff volumes from the development area to the wetland:

Peak Runoff Rates (Cubic Feet per Second)

Storm Event	2Yr	10Yr	25Yr	100Yr
Change	-1.0	-0.7	-0.6	-0.3
% Change	-12%	-3%	-2%	-0.5%

Runoff Volumes (Cubic Feet)

Storm Event	2Yr	10Yr	25Yr	100Yr
Change	+2,400	+4,400	+5,400	+6,800
% Change	+6%	+4%	+4%	+2%

The percentage changes noted above are already small and would be further reduced if one were to use the entire tributary area to the wetland as the basis for calculating the changes as a percent.

I'm glad to hear that a camera inspection of the culvert was done and that the findings of the inspection indicated no problems with the culvert.

Jeff

JEFFREY M. WALSH, P.E.

Principal

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From: Jan Elyse Taylor <taylorj@grafton-ma.gov>
Sent: Friday, March 3, 2023 11:48 AM
To: Jeffrey Walsh <JWalsh@gravesengineering.com>
Cc: Leah Cameron <cameronl@grafton-ma.gov>

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