

# ***PGB ENGINEERING, LLC***

CIVIL ENGINEERING DESIGN & CONSULTING

49 TUPELO ROAD  
MARSHFIELD, MA 02050-1739

Tel.: 781-834-8987  
PGBEngineeringLLC@gmail.COM

March 5, 2026

Hingham Planning Board  
210 Central Street  
Hingham, MA 02043

**Subject: 28 Arnold Road – Site Plan Modification**

Dear Planning Board Members:

This is to advise that we have reviewed the following documents in support of the Site Plan modification at 28 Arnold Road:

- Driveway As-Built Plan (1 sheet), revised February 27, 2026, prepared by Merrill Engineers and Land Surveyors (Merrill)
- Revised Impervious Areas for HydroCAD Analysis, prepared by Merrill
- As-Built HydroCAD calculations, dated March 2, 2026
- Modification Request Memorandums, dated February 6 and March 2, 2026, prepared by Merrill

Upon reviewing the above documents, we contacted Merrill and asked for the As-Built HydroCAD file because the infiltration rate used in Merrill's model was lower than it should be. We changed the infiltration rate to match the sandy soils on site. The as-built 100-year storm rate of runoff to the wetlands is 2.22 cubic feet per second (cfs) and the volume of runoff is 0.272 acre-feet. The rate is slightly more than the pre-construction rate (2.14 cfs) and the volume is less than the pre-construction volume (0.287 acre-feet). In summary, during the 100-year storm event, the stormwater discharging to the wetlands will get to the wetlands a little faster<sup>1</sup> but there is less of it in the as-built conditions than the pre-construction conditions.

Please give us a call should you have any questions.



Very truly yours,

*PGB ENGINEERING, LLC*

By:

A handwritten signature in black ink that reads "Patrick G. Brennan".

Patrick G. Brennan, P.E.

PGB

<sup>1</sup> The 0.06 cfs increase in the rate of runoff would not be noticeable.