

AMORY ENGINEERS, P.C.

WATER WORKS • WATER RESOURCES • CIVIL WORKS

25 DEPOT STREET, P.O. BOX 1768
DUXBURY, MASSACHUSETTS 02331-1768

TEL.: 781-934-0178 • FAX: 781-934-6499
WWW.AMORYENGINEERS.COM

June 18, 2021

Hingham Planning Board
210 Central Street
Hingham, MA 02043

Subject: **180 Hersey Street, Site Plan**

Dear Planning Board Members:

This is to advise that we have reviewed the Site Plan, revised June 18, 2021, prepared by Patriot Permitting & Engineering (PPE) for the proposed additions to the single family dwelling at the subject site. Mr. Gregory Tansey, P.E. of PPE also sent us a revised post-development HydroCAD model that we reviewed. The documents were prepared to address comments included in our June 17, 2021 letter to the Board. Below are our original comments in plain text followed by the current status of each in **bold text**.

1. The drainage calculations indicate that the shallow lawn basin will fully infiltrate runoff from all storms up to and including the 100-year event. However, it does not appear that the entire proposed roof area has been accounted for in the post-development analysis. The proposed additional roof area of the garage and additions is about 1,075 s.f. but the post-development HydroCAD model only shows 348 s.f. of additional roof area. The post-development analysis needs to be revised to reflect the entire proposed roof area. **Addressed – the revised HydroCAD model forwarded by Mr. Tansey accounted for all proposed impervious area and the results verified that the shallow lawn basin will fully infiltrate runoff from all storms up to and including the 100-year event.**
2. The Applicant should explain what will happen with the existing shed. It is located in the location of the proposed shallow lawn basin. **Addressed - Mr. Tansey advised that the shed is situated on concrete blocks and can remain within the footprint of the shallow lawn basin without affecting the performance of the basin.**
3. The Zoning Table on the Site Plan should include existing and proposed information (setbacks, areas, etc.). **Addressed – the Zoning Table has been updated as requested.**
4. We believe that the proposed erosion controls shown and detailed on the Site Plan along with implementation of the Erosion and Sediment Control Plan outlined on the Site Plan will adequately mitigate potential erosion of the site during construction activities. **Informational comment, no response required.**

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Please give us a call should you have any question.

Very truly yours,

AMORY ENGINEERS, P.C.

By:



Patrick G. Brennan, P.E.

PGB