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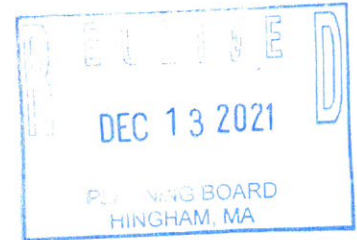
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December 13, 2021

Hingham Planning Board
210 Central Street
Hingham, MA 02043

Subject: **53 Kimball Beach Road, Site Plan**



Dear Planning Board Members:

This is to advise that we have reviewed the following documents, for the proposed raze and rebuild of a single family dwelling at the subject site:

- Existing Conditions Plan (1 sheet), revised December 10, 2021, prepared by Merrill Engineers and Land Surveyors (Merrill)
- Architectural plans (9 Sheets), dated February 5, 2021, prepared by AP Design Build
- Response to comments letter, dated December 10, 2021, prepared by Merrill

The documents have been prepared to address comments contained in our November 29, 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 proposed conditions HydroCAD calculations model the subsurface infiltration system behind the house as being 19.17 feet by 24 feet with twelve plastic chambers. However, the Site Plan shows the system to be 17.2 feet by 22 feet with nine chambers. The plan needs to be revised. **Addressed – the plan has been revised accordingly.**
2. The proposed rim elevation of the yard drain appears to be incorrect. We believe it should be 38.2, not 39.2. The yard drain should also be specified and detailed on the Site Plan. **Addressed – the rim elevation has been revised accordingly and a detail for the yard drain is included on the revised plan.**
3. There appears to be inspection ports on the subsurface infiltration systems but they are not labeled. They should also be shown and specified on the cross section. **Addressed – the inspection ports are labeled and a detail is included on the revised plan.**
4. The test holes that have been excavated on site were not excavated deep enough to verify that there will be the required two feet of separation between seasonal high groundwater and the bottom of the subsurface infiltration systems. Deeper test pits are required. **In the response, Merrill states that there is insufficient space to get a larger excavator**

into the back yard and they would excavate deeper test pits when the existing house is razed. Should the Board approve the project we recommend a condition requiring the excavation of the test pits after the house is raised. The test pits should be witnessed by an agent of the Board.

5. We do not have the proposed architectural plans so we cannot confirm that the proposed piping shown for roof drains is sufficient to capture all downspouts. **Architectural plans have been submitted and additional drain lines for the roof downspouts have been shown on the plan. However, should the Board approve the project, we recommend a condition requiring all down spouts to be connected to the piping leading to the subsurface infiltration systems.**
6. No construction entrance is shown on the plans. The existing paved driveway could be utilized for a construction entrance. **Addressed – the existing driveway is labeled to be used as the construction entrance.**
7. Trees that will be removed should be identified on the Site Plan. **The sixteen inch tree in the south corner of the lot is specified to be removed. The Applicant should confirm that this is the only significant tree (6-inch caliper or larger) that will be removed.**
8. The proposed silt sock should be extended along the entire south (right) property line. **Addressed – the silt sock is proposed along the entire south property line as recommended.**

Please give us a call should you have any question.

Very truly yours,

AMORY ENGINEERS, P.C.

By:



Patrick G. Brennan, P.E.



PGB