



May 13, 2020

Town of Hingham
Conservation Commission
210 Central Street, Hingham, MA 02043
Attn: Ms. Loni Fournier, Senior Planner

RE: Request for Determination of Applicability - Follow up
Proposed Single-family Dwelling
10 Martins Cove Lane, Hingham, MA 02043

Dear Ms. Fournier and Members of the Commission:

CHA is in receipt of the Conservation Commission Staff comments related to the above referenced site. We have prepared the enclosed plans and documents to address the received comments. Original comments are listed below in standard text followed by our responses in ***bold italic text***.

Comments:

1- More than half of the wetland flags are missing at this point. We do have enough information for the purposes of this filing and could move forward without the remaining flags, but we would not be able to formally confirm the wetland delineation unless you have the wetland flags replaced. The Commission frequently issues DOAs without confirmation of the exact wetland delineation, but since you checked "b" under Determinations on the RDA form, we need to confirm how you would like to proceed.

CHA Response: At this time, we would like to pursue the Request for Determination of Applicability without the confirmation of wetland line previously requested.

2- Please include a detail for the proposed filter sock.

CHA Response: We have included a detail of the proposed filter sock. Refer to attached revised Sheet C-202 for additional information.

3- It would be helpful to know the total area of impervious surface being removed from the buffer zone.

CHA Response: the total area of impervious surfaces that will be removed from the 100-ft buffer zone is approximately 1,050 square feet and consists of an existing building and patio.

4- Does the proposed grading result in any additional fill in the buffer zone overall? Please quantify if so.

CHA Response: The site design has located the proposed house and septic system outside of the 100-ft buffer zone. However, minor grading activities are located in the buffer zone. The site would result in an approximately 775 cubic feet (28.7 cubic yards) of fill in the 100-ft

buffer. The fill has been limited to the minimum required to construct the required slope associated with the proposed septic system. No fill or alteration take place in the 50-ft buffer or in the FEMA flood zone AE.

- 5- Thank you for incorporating LID into the stormwater management system and native plantings in the buffer zone. Ideally, there should be an O&M plan for the rain garden and associated stormwater structures. Due to the proximity to Hingham Harbor, it would be preferable to prohibit pesticides, herbicides and fertilizers.

CHA Response: An Operation and Maintenance (O&M) Plan for the rain garden has been prepared and enclosed with this letter. The O&M Plan prohibits the use of pesticides, herbicides and fertilizers as requested.

- 6- Is there a detail for the rip rap apron at the end of the roof drain, to be sure there is no scouring?

CHA Response: A detail of the rip rap apron has been added to Sheet C-202.

- 7- Could the grass filter strip on the sides of the rain garden be seeded with a wildlife seed mix instead of grass for better wildlife habitat value?

CHA Response: A 2-ft wide filter strip planted with the “New England Conservation/Wildlife Mix” is added adjacent to the proposed rain garden as requested. Refer to the attached site plans for additional information.

- 8- The rain garden plantings look good overall, however if it's possible to use a straight species for the Red Twig Dogwood (*Cornus sericea* or *Swida sericea*) as opposed to a cultivar (i.e. 'Arctic Fire') that would be preferable in the buffer zone.

CHA Response: The rain garden planting has been revised as requested. Red-Osier Dogwood “Cornus sericea” has been implemented in lieu of “Arctic Fire” previously proposed. Refer to the attached site plans for additional information.

We appreciate your time and attention to this matter. We trust that the attached plans and documents address your comments. Should you have any questions, please don't hesitate to contact me at 781-982-5436.

Sincerely,
CHA Consulting, Inc.



Hazem Dani, PE
Project Engineer