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March 31, 2025

Andover Conservation Commission  
Andover Planning Board  
Andover Town Offices  
36 Bartlet Street  
Andover, MA 01810

RE: 140 Haverhill Street, Amended Plan #2  
DEP File # 090-1387 Response to Peer Review Comments

Dear Conservation Commission and Planning Board Members,

Please accept this letter and the attached plans as a response to the review comments provided by Horsley Whitten Group in a letter dated March 15, 2025. Our responses to comments are located below. Comments that did not require any response are not included.

- a. It appears that the Applicant has not provided the proposed 98 contour between the two proposed buildings. HW recommends that the Applicant provides the proposed grading in this area as well as over the proposed subsurface infiltration system.

**March 13, 2025: The Applicant has provided the contour line for elevation 98 as suggested. However, the proposed grading over the proposed subsurface infiltration system is not clear. HW recommends that the Applicant provide the proposed grading. The existing topography will be impacted with the installation of the chamber system**

*Ranger Response: The minimum elevation over the infiltrator system is shown as elevation 91.0 on sheet CS-6005 Detail #4. The existing elevation at the lowest point on the infiltration system is elevation 92.0. There is no grading required to install the system, the grading will be returned to existing once the infiltration system is installed.*

- b. HW recommends that the Applicant clarify the outlet pipe from Jellyfish Filter JF4-1-1 located on the east side of the site near wetland series A.

**March 13, 2025: the applicant is proposing to connect the proposed jellyfish jf4-1-1 to an existing drainage pipe. No further action is requested.**

**HW notes that the existing 24-inch CMP that is proposed to remain does not appear on Sheet CS1501.**

*Ranger Response: The pipe is a 12" pipe and it now appears on the plan*

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- c. The Applicant has provided the closed drainage system sizing calculations in the Additional Drainage Documents. Several of the slopes listed on the spreadsheet do not match the proposed drainage plan. The pipe between CB6 and DMH 10 is not consistent between the calculations and the plans, and the pipe from the Outlet Control Structure (OCS) to DMH10 has not been included. HW recommends that the Applicant revisit the 10-year Pipe Capacity Calculations and revise accordingly.

**March 13, 2025: HW notes that the slopes listed for OCS 2 to DMH 10, DMH2 to DMH 3, and DMH10 to DMH5 are not consistent between the drainage system spreadsheet and the plans. HW recommends that the applicant revisit the 10-year pipe capacity calculations and revise the plans or the calculations accordingly.**

*Ranger Response: The pipe capacity worksheet has been revised*

- d. The Applicant is proposing Jellyfish Filters to provide the required TSS removal. The details provided on Sheet CS6004 are not consistent with the Rim and Invert information provided on Sheet CS1501. HW recommends that the Applicant revisit the plans and details and revise accordingly.

**March 13, 2025: Sheet CS1501 lists the inverts of JFPD08-08-12-3 as 82.55 and 82.05. The detail lists the inverts as 82.55 and 82.22. HW recommends that the Applicant confirm the inverts and add the pipe dimensions to Sheet CS1501. Furthermore, Sheet CS1501 lists the 12-inch invert at 99.55 and the 24-inch invert out at 99.05. The details on Sheet CS6004 lists the 12-inch inlet at 99.90 and the 12-inch outlet at 99.65. HW recommends that the Applicant confirm the inverts and add the pipe dimensions to Sheet C51501.**

*Ranger Response: The invert elevations have been coordinated between the plans and details.*

The plans attached include only sheets CS-1501 and CS-6004 since these were the only sheets with corrections. Also attached is a revised 10-year pipe capacity calculations. If these corrections are acceptable, we will compile a complete set and submit the required copies.

If you have questions prior to the meeting, please do not hesitate to contact this office.

Sincerely,



Benjamin C Osgood Jr. PE  
President

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