

The Morin-Cameron

GROUP INC.

March 14, 2024

Ms. Jacki Byerley, Planner
Andover Planning Board
Town Office
36 Bartlett Street
Andover, MA 01810

RE: Initial Peer Review of Stormwater Design
Town Yard Development – Lewis Street
Andover, MA

Dear Ms. Byerley and Board Members,

On behalf of Andover Town Yard, LLC, The Morin-Cameron Group, Inc. (MCG) has provided responses to the peer review letter prepared by the Horsley Witten Group (HW) on March 13, 2024. The letter contains the initial comments from January 8, 2024 (italicized) and the new comments from March 13, 2024. For brevity, the comments marked as resolved were omitted from this response letter. The new comments are bold and italicized. We offer the following in response to the comments:

2. *HW Comment:* *Standard 2 requires that stormwater management systems shall be designed so that post-development peak discharge rates do not exceed pre-development peak discharge rates.*

e. HW recommends that the Applicant include the size of the orifices on the detail of the outlet control system (OCS) on Sheet C7.3. HW notes that the 18-inch outlet of the OCS is listed at elevation 87.7 on the detail but is elevation 87.8 in the HydroCAD model.

March 13, 2024: As noted previously HW recommends that the Applicant add the dimensions of the outlet devices to the OCS-3 detail on Sheet C8.3. Including the 4 foot by 0.5 foot rectangular orifice, the 6-inch orifices, and the 5-inch orifices. HW further notes that the 18-inch primary outlet has been modeled at 91.35 and not 91.25 as shown on the detail. HW recommends that the Applicant include these minor plan updates.

MCG Response: The plan has been modified and the Detail Sheet C7.3 has been modified to depict all the orifices in the outlet control structure and to depict the correct elevation of 91.35.

4. *HW Comment:* *Standard 4 requires that the stormwater system be designed to remove 80% Total Suspended Solids (TSS) and to treat 1.0-inch of volume from the impervious area for water quality.*

a. HW recommends that the Applicant include the closed drainage system calculations that correspond to the Rational Calculation Area Plan, Sheet C5.3 for the proposed stormwater design.

d. HW recommends that the Applicant provide the TSS removal worksheets per the MSH for

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each of the proposed treatment trains.

March 13, 2024: The Applicant noted that the requested TSS worksheets have been included in Appendix D. However, HW was not able to locate them. HW requests that the Applicant provide the TSS worksheets.

MCG Response: The TSS Removal calculations were included in Appendix D of the Technical Report.

8. HW Comment: Standard 8 requires a plan to control construction related impacts including erosion, sedimentation or other pollutant sources.

c. The proposed project requires land disturbance of greater than 1 acre. Therefore, a Stormwater Pollution Prevention Plan (SWPPP) per the EPA NPDES Construction General Permit will be required. HW recommends that the Applicant provide a copy of the SWPPP to the Town a minimum of 14 days prior to land disturbance. HW notes that the Applicant has not yet submitted a SWPPP but has stated that it will be submitted prior to any land disturbance. The Planning Board may choose to require receipt of the SWPPP as a condition of approval.

March 13, 2024: The Planning Board may choose to require receipt of the SWPPP as a condition of approval.

MCG Response: We concur with this condition.

9. HW Comment: Standard 9 requires a Long-Term Operation and Maintenance (O & M) Plan to be provided.

a. The Applicant has provided a Long-Term O& M Plan in Appendix F of the Technical Report. HW recommends that the O&M Plan be submitted as a separate document signed by the property owner.

March 13, 2024: The Planning Board may choose to require receipt of the signed O&M Plan as a condition of approval.

MCG Response: We concur with this condition.

d. HW recommends that the Applicant include a simple plan that is drawn to scale and shows the location of all stormwater practices to be inspected and maintained. The plan should also include locations for snow storage.

March 13, 2024: The Applicant has included an Operations and Maintenance Plan as requested. It is not obvious where snow storage will occur.

MCG Response: The Operations and Maintenance Plan has been updated to clarify the designated snow storage location.

10. HW Comment: Standard 10 requires an Illicit Discharge Compliance Statement to be provided.

a. The Applicant has submitted an Illicit Discharge Compliance Statement signed by the Owner's Representative. HW recommends that the Planning Board request receipt of an Illicit Discharge statement signed by the property owner.

March 13, 2024: The Planning Board may choose to require receipt of the signed Illicit Discharge statement as a condition of approval.

MCG Response: We concur with this condition.

We trust this information adequately addresses the peer review comments by the Horsley Witten Group about the proposed Town Yard Development Project.

If you have any questions, please do not hesitate to contact our office at (978) 777-8586.

Sincerely,

THE MORIN-CAMERON GROUP, INC.

Scott P. Cameron, P.E.

Vice-President

Attachments

cc: Andover Town Yard, LLC

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