

September 13, 2019

Anna Capra
Conservation Administrator / Planner
Town of South Hadley
116 Main Street
South Hadley, MA 01075

**RE: South Hadley Senior Center - Response to comments
South Hadley, Massachusetts
MMI #3140-08-2
DEP # WE 288-0460**

Dear Ms. Capra:

Several concerns were brought to our attention at the Conservation Hearing on September 28th. This cover letter is intended to address those concerns by answering questions that couldn't be answered that evening, also resolving two concerns presented by DEP. The concerns and responses are supported with the enclosures stated at the end of this letter. The comments and responses follow:

- 1. DEP Concern: Municipal projects are fee exempt, MassDEP has already requested a refund be sent to the applicant.**
No response is required from the design team.
- 2. DEP and Conservation Concern: Is the stream a regulated stream?**
The stream is not a regulated stream as outlined in the attached letter from VHB.
- 3. DEP Concern: The underground stormwater chambers are subject to UIC program requirements, <https://www.mass.gov/underground-injection-control-uic>**
The design team is aware of the requirement and requires no action from the team at this time.
- 4. DEP and Conservation Concern: A point source has been created in these plans, the bio-infiltration water quality swale. Because there will be channel created in the buffer, that point source is subject to the Stormwater Standards. All BMP's must be designed, constructed, operated, and maintained per Volume 2, Chapter 2 of the handbook. See pages 73 to 82. There are several BMP's this could be and the commission needs to review each. Only if a design complies with the Stormwater Handbook can it receive presumptive TSS removal credit. Pretreatment is required for both the infiltration unit and for water quality swales. If the outlet was pulled back from the buffer, and no channel (just a level spreader or the like) was in the buffer, then the stormwater standards would not apply. Removing all point sources**

from jurisdiction is one aspect of having Low Impact Development and an Environmentally Sensitive Site.

The design team has added a second treatment basin following the swale. The original designed swale becomes the pre-treatment facility which flows into the aforementioned second basin for primary treatment. The primary treatment outlets through a stone weir as shown on the plan C-301. The original plan, and this revision, reduce flows and therefore the likelihood of erosion in the wooded area. We've updated the total suspended solids (TSS) computations in the engineering report to reflect this change. The basin is sized based on the contributing water quality volume which has also further reduced peak flows.

5. Conservation Concern: Will this project consider restoring the eroded area as noted in the engineering report?

The design team was given authorization to include the removal of the debris from that eroded area, filling in the eroded material, and stabilizing the fill.

6. Conservation Concern: Was the plan reviewed by Chris Ryan regarding trees and removals?

Chris Ryan, Tree Warden at the time of review, reviewed the plan and visited the site in May of 2019 with Ted Boulais, and subsequently directed the design team. We've attached a letter summarizing the conversations.

Very truly yours,

MILONE & MACBROOM, INC.



John Hammer, LA, Associate
Lead Landscape Architect

Enclosures:

DEP Comment letter

VHB Letter regarding delineation of watercourse

Letter regarding direction from Chris Ryan, Tree Warden at time of review

Revised Engineering Report

Plan Sheet C301 – Water Quality Treatment BMPS

Color Rendering of site plan

Flashdrive containing digital version of all printed documents

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