



February 9, 2022

Mr. George Noewatne, Director of Public Works & Engineering
Town of Cheshire
84 South Main Street
Cheshire, CT 06410

Re: Cheshire Fitness Building Addition, Cheshire Fitness Zone
10 George Avenue, Cheshire, CT

Dear Mr. Noewatne:

Barton & Loguidice, LLC has completed an engineering review of the special permit plan set submission of the above referenced project prepared by SLR and dated January 20, 2022. The Special Permit application and the architectural plans A-1 and A-2 (prepared by Marc A Petrin Architects) were also included in the submission. We offer the following comments:

1. Include the invert of the roof leader and the elevations of the proposed StormTech Chamber with actual depths of stone proposed to provide the storage as shown on the plans.
2. Soil testing should be conducted to determine the elevation of the groundwater and the suitability of the soils for infiltration.
3. An analysis/narrative to describe the existing and proposed stormwater flows/conditions should be provided. The proposed underground storage calculated on the plans addresses the water quality volume but not any increase in flows.
4. The plans should include the proposed roof drains in their entirety with inverts to clearly identify what portion of the roof will be connected to the infiltration.
5. Is the north side of the roof addition to be piped to the infiltration in the south? Will there be any revisions to the existing roof drains that outlet to grade?

If you have any questions regarding the above comment, please contact me at (860) 633-8770.

Sincerely,

A handwritten signature in blue ink that reads "Denise P. Lord".

Denise P. Lord, P.E.
Lead Engineer