

H+H Engineering Associates, LLC
232 Greenmanville Avenue, Suite 201
Mystic, Connecticut 06355
860-980-8008 (Office)
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Via E-mail

March 30, 2023

Town of Simsbury

Planning and Land Use Department
933 Hopmeadow Street
Simsbury, CT 06070

Attn: George K. McGregor, AICP
Director of Community Planning and Development

RE: Engineering Comments
Vessel Multi-family Development
Site Plan Application
446 Hopmeadow Street
Simsbury, CT 06070

Dear Mr. McGregor:

H+H Engineering Associates, LLC (H+H) is in receipt of the latest Town of Simsbury Engineering Department review comments dated March 27, 2023, regarding the Vessel Multi-family Development Site Plan Application located at 446 Hopmeadow Street in Simsbury, CT 06070.

Below please find the outstanding review comments, followed by our response in italics:

6. A detail for the modular block retaining walls has been provided. This detail shows a "4" perforated drain in filter fabric. Extend to daylight." Identify the locations of where the underdrain will daylight and any necessary measure to prevent erosion of the relatively steep slope due to the point discharge.

Response:

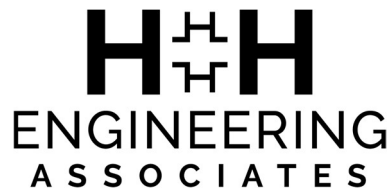
The modular block wall detail on Sheet DT-2 (sheet 10 of 13) has been revised to include 4" drain pipes through the retaining wall at 20-ft. increments.

13. Proposed peak runoff rates shall be equal to or less than existing peak runoff rates. Per the Peak Rate of Runoff Summary (Figure 5, Stormwater Report), the peak rate during the 2-year storm event will increase. Please revise the stormwater design accordingly and resubmit.

Response:

The stormwater analysis and design have been revised accordingly. The peak rates discharging from the site are being reduced for the post-development condition for the 2-year through 100-year storm events.

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14. Discrepancies exist between the plan set and the stormwater report for the outlet pipes of SWM-A2, SWM-A3, and SWM-B. Plans indicate 12" pipes while the report is based on 15" pipes. Please revise the stormwater design and report accordingly and resubmit.

Response:

The drainage report has been updated accordingly.

15. Consider replacing pipe bends with structures for the outlet pipes of OCS-5 and OCS-6. Additionally, the proposed 361 LF outlet pipe is excessively long per standard practice and should be interrupted by a structure for future maintenance considerations.

Response:

New manholes have been added accordingly. As a result, the outlet pipe for Outlet OCS-5 is now broken into lengths of 174 ft. and 225 ft.

16. The plans have been updated with snow storage areas, which are located in Stormwater Management Areas 'B' and 'D' per sheet SL-1. Storage of snow in these areas conflict with the emergency spillways and will impact the storm water capacity of the basins. Please revise the storm water design and report accordingly and resubmit.

Response:

The locations of the snow storage areas have been revised accordingly and are no longer located within a stormwater treatment practice.

17. Revise the modular concrete block retaining wall detail or add a new detail to depict the proposed 36" high fence.

Response:

The modular block wall detail on Sheet DT-2 (sheet 10 of 13) has been revised to depict the 36" high fence.

Additionally, based on a telephone conversation with Deputy Town Engineer Adam Kessler, P.E. on March 30, 2023, a concern was raised regarding the cross-slope along the top of the proposed curtain drain. In response to the concern, the western 170 LF section of the curtain drain has been eliminated and converted into an underdrain. The grading along the eastern 217 LF section of curtain drain has been revised to provide a top of stone elevation of 96 along the entire length of the curtain drain with a 0% cross slope.

If you have any questions, please feel free to contact me at 860-980-8008 (office) or 413-579-4488 (mobile).

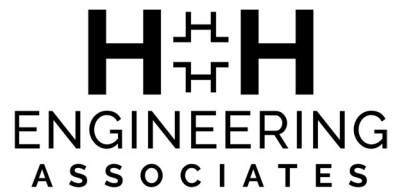
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Sincerely,

H+H Engineering Associates, LLC

A handwritten signature in black ink, appearing to read 'Seamus Moran', is written over a horizontal line.

Seamus Moran, P.E.
Principal

3/30/2023

Date