



September 13, 2023

Patrick Bogle, P.E.
Associate | Civil Engineer
Howard Stein Hudson
114 Turnpike Road #2c
Chelmsford, MA 01824

**RE: 55 Summer Street – Walpole, MA
StormTech System**

Mr. Bogle,

The intent of this letter is to provide a response to the following comment pertaining to the StormTech Systems designed for the above referenced Project:

Comment partially addressed in revised submittals by showing a 0.42' elevation difference between the bottom of the isolator row and the manifold spillover elevation which is better than previously proposed but still less than the 0.5' minimum expected by the manufacturer and suggested in the Operation and Maintenance Plan. Operation and Maintenance Plan for this structure must be modified to required cleaning of the isolator row when sediment accumulates to a depth of 0.21'. It's unclear why the manifold spillover height is not at least 0.5' above the isolator row bottom and we recommend it be modified in the construction plans.

ADS/StormTech does not have a minimum requirement of 0.5' (6") between the Isolator Row and elevated bypass manifold inverts. The Isolator Row Operation and Maintenance Manual does, however, recommend that an Isolator Row be maintained once the average depth of accumulated sediment is 3" throughout the length of the row. When designing a system, it is recommended that the designer size the Isolator Row to properly pretreat the water quality flow (WQf) and size the bypass manifold with enough capacity to bypass the required design storm events.

If there are any questions in regard to the contents of this letter or any StormTech System design requirements, please do not hesitate to contact me.

Best Regards,

Aaron Cheever

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