

Memorandum:

To: Elizabeth Burdick, Director of Land Use & Planning
From: Steve Masalin, Public Works Director/Town Engineer *sm*
Date: June 11, 2024
Re: 96, 98, 100 Stoddards Wharf Road (PZ #24-2RESUB)

I have reviewed the plans and Stormwater Management Report of May 20, 2024 for the subject application. I have the following comments. These comments are made notwithstanding any special considerations or exclusions that may apply and would have to be accommodated according to a Connecticut Section 8-30g application.

A. Stormwater Management Report

1. Paragraph 3 of the "Water Quality" Section of the cover sheet states, "There are no point discharges or channelized flows to cause erosion." However, the post-development analysis (sheet 4) shows that there will be a flow volume associated with at least the 100-year storm event that exceeds the storage volume of the proposed Stormtech units. Also, later in the report (sheets 7-8 and 10-11), rectangular weirs are cited as outlet devices to manage these excess flows. This indicates management of point source discharges.
2. Pre-/Post-Development Analysis.
 - a. Data for only the 100-year storm event is provided. Data should be provided also for the 2-, 5-, 10-, 25-year events.
 - b. 100-Year Event Analysis: The Post-Development calculation for Area C includes the stipulation "remove houses." The intent of this is unclear, but also appears to be assumed for Areas E, F, and G. It appears that a certain amount of acreage is completely "disconnected" from the Post-Development calculation based on the presence of Stormtech SC-740 infiltration units for roof water for each proposed house. However, as cited on sheet 7 of the plans, these units have the capacity to chamber only the first inch of runoff. Anything exceeding that would overflow off the roof onto the ground and contribute to the surface flows on and leaving the sight. Again, this is unclear relative to the information offered, but it seems to compromise the analysis/conclusion relative to Post-Development flows.
3. Basin 1/Basin 2 Analyses: The elevations cited on sheets 7 and 10 do not appear to coincide with the plans.
4. Gutter Flow Analysis: The analysis required by Part 3, Section 3 of the ordinance has not been provided.

B. Plans

1. Stormtech Underground Retention Areas: Insufficient detail is provided for the installation of these units.
2. Broad-Crested Rectangular Weirs: The Stormwater Management Report stipulates inclusion of these for each retention area. No details for these or associated discharge measures are depicted in the plans.

I consider the information provided for stormwater management incomplete at this point and will render a fuller assessment upon resolution of the comments above.