

Town of

P.O. Drawer 519

Town Engineer

Alexander T. Klose, P.E.



East Lyme

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To: Gary Goeschel II, Director of Planning & Wetlands Enforcement Officer

From: Alex Klose P.E., Town Engineer

Date: May 5, 2022

Re: Nottingham Hills Subdivision
Lot 27 Re-Subdivion Application
Upper Kensington Drive
Planning Commission Application

This office has reviewed the above referenced application, received April 27, 2022 and provides the following comments:

1. The applicant should clarify what will be done with the existing drainage infrastructure on the property and the adjacent property. Will drainage continue to be directly tied into the roadway from the property or from 5 Upper Kensington Drive, or will these structures and piping be removed?
2. An exemption regarding stormwater management is being requested. In accordance with Section 6-8-7 of the Town of East Lyme Subdivision Regulations, the applicant must demonstrate that, "The proposed development will not cause or exacerbate downstream flooding." I recommend the applicant perform a drainage analysis of the existing stormwater infrastructure in Upper Kensington Drive to the outlet behind 8 and 10 Upper Kensington Drive. This analysis should demonstrate that, with the proposed development, the existing infrastructure can adequately convey the 10-year storm event. This would include a hydraulic analysis of the pipe conveyance and basin inlet capacity. Additionally, I would recommend an analysis of the 25-year storm be performed so the Town can understand the effect of this development during a more severe rain event.
3. I also recommend the applicant perform a peak flow analysis comparing the pre- and post-stormwater runoff rate from the development for the 25, 50 and 100-year events and provide a narrative summarizing these results and why the increase in peak flow will not cause or exacerbate downstream flooding in the street or at the discharge point at 235B Upper Pattagansett Road.