

Town of East Lyme

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Deputy Director of Public Works
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To: Gary Geoschel, Wetlands Agent

From: Bill Scheer, P.E., L.S. Deputy Director of Public Works (acting Town Engineer) *W.S.*

Date: Aug 6, 2021

Re: "99, 101, 103 South Beechwood Road" Dated July 6, 2021 Rev Thru 8/3/2021

This office has reviewed the latest set of plans and has the following comments.

1. The latest Plan revision is a result of a field meeting between the design engineer, Gary Geoschel, and Bill Scheer, the acting Town Engineer to discuss the proposed lot development. This revised plan reflects a reasonable and effective solution for a site that is extremely small with many difficult parameters and resources to consider. Town staff and the design Engineer discussed these items and possible solutions at great length during this meeting.
2. The plans shall be updated to include the stormwater pipes and inverts on the "Site layout and Grading Plan"
3. Add a note in a box in Bold with an arrow pointing to the proposed yard drain and 15" HDPE pipe going from the yard drain to the Catch Basin, stating "Yard drain and outlet pipe (even the portion located in the Town Right of Way) are privately owned structures. The Town is not responsible for, and will not, perform any maintenance, repair, or replacement of either of these structures." Place this note on both sheets C-GD1 and C-UT1. This should also be listed as part of the approval.
4. While the 4" inlet pipe at 1% will remove the increase 0.35 cu ft of stormwater under ideal conditions, 4" pipes tend to clog. Provide more detail on how this inlet structure will functioning long term. Some type of metering inlet structure with a high-level overflow grate (all in one structure) should possibly be considered. If a low flow orifice is located high enough above existing grade, or above the bottom of a structure, they tend to remain free of debris.
5. The public improvement bond should be set at \$18,000. This bond can set at \$5,000 if the public improvement work will be completed and accepted prior to building permits being issued.
The bond amount for erosion and sedimentation controls is recommended to be \$10,000.
6. This review does not include a Bonding recommendation for the Wetlands Mitigation.