

November 21, 2024

Attention: Mr. Larry Burcroff, Chairman
Inland Wetlands & Watercourses Commission
Town of Salisbury
27 Main Street
PO Box 548
Salisbury, CT 06068

SLR Project No.: 22100.00001

**RE: Comment Response Letter
Third-Party Engineering Review of Wake Robin Inn Redevelopment
104 and 106 Sharon Road
Salisbury, Connecticut**

Dear Mr. Burcroff:

SLR International Corporation (SLR) is in receipt of correspondence from Thomas D. Grimaldi, Principal Engineer, and Robert R. Hiltbrand, Principal of R.R. Hiltbrand Engineers & Surveyors, LLC, dated November 19, 2024, regarding the above-referenced project. We offer the following responses regarding the technical comments.

A. Engineering Comments:

C1. *Provide detailed structural analysis/design computations for the proposed bridge design. See conditions of approval, Item #12, below.*

R1. Detailed structural analysis/design computations for the proposed bridge design will be issued prior to issuance of the Zoning permit.

B. Drainage Report:

C1. *Per the most recent edition of the State of CT DEEP Storm Water Quality Manual (Revised March 26, 2024), to consider exfiltration on-site, a minimum of two permeability tests are required from soil taken within each proposed basin where HSG C/D soils occur, of which the manual allows for the use of 50% of the slowest measured rate. Provide all permeability test data for review.*

R1. SLR will perform the additional field work and provide requested permeability test data for the basins, as requested, prior to the close of the Planning & Zoning Commission (PZC) Special Hearing for the project (which should take place on either December 2, 2024, or December 10, 2024).

C2. *Per the most recent edition of the State of CT DEEP Storm Water Quality Manual (Revised March 26, 2024), in areas of permeable pavement, one test pit or boring is required per 5,000 S.F. of such surface with no fewer than two test pits or boring per*

location. Provide all permeability test data for review.

- R2. The design of the stormwater system accounted for all proposed pervious areas as impervious surface within the drainage calculation. Per SLR responses to the previous Grimaldi and Hiltbrand comment response letter dated September 6, 2024 (Drainage Report Comment No. 5/Response No. 5), the computations have been revised to use a Curve Number (CN) value of 96 (Gravel = Impervious) as recommended, thus there should be no need to test for infiltration in those proposed pervious pavement areas.**

Please feel free to contact me directly at (203) 271-1773 should you have any questions with the information above.

Regards,

SLR International Corporation



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