



CAMERON ENGINEERING & ASSOCIATES, L.L.P.

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Active Member of



June 7, 2021

Mr. Alex Kovacevic
Village Deputy Clerk-Treasurer, Acting Secretary to the BZA
Incorporated Village of Manorhaven
33 Manorhaven Blvd
Port Washington, NY 11050

Re: 59 Orchard Beach Boulevard Foundation and Structural Assessment
for The Village of Manorhaven
Port Washington, NY
CE 2724-018

Dear Mr. Kovacevic,

We are in receipt of the May 14, 2021 email response from FEMA Science via the DEC and Mr. Levenbaum for the 59 Orchard Beach Boulevard project related to the revised foundation design prepared by Demerara Engineering, P.L.L.C., inclusive of the Mueser Rutledge Consulting Engineers (MRCE) calculations with site and foundation recommendations for FEMA/NFIP compliance.

We believe the FEMA Sciences review has conditionally accepted the Demerara/MRCE recommended foundation design which includes certain site improvements and foundation remediations will meet the minimum FEMA/NFIP requirements as quoted below.

“Based on a review of the March 18, 2021, response letter and additional information provided, the revised design appears to meet the minimum NFIP requirements. This statement however does not indicate a formal approval of the design. Please note that FEMA did not conduct a detailed review of design calculations, nor did FEMA conduct a peer review of the design. FEMA evaluated the general design features against NFIP requirements and guidance. Stability of the building is predicated on success of the helical pile foundation, and its success requires that those piles be protected against erosion and scour. The designers insist that their calculations show this is the case. FEMA does not take a position with regard to this matter, the responsibility rests with the design professional, subject to approval by the Authority Having Jurisdiction.

Our professional opinion takes no issue with FEMA Science’s response. It places the validity of the remedial design upon the Professional Engineers who made it. As such, all liability and responsibility for the remedial design remains theirs. It is the property owner’s responsibility now to complete the specified remedial work. The completion of the remedial site and foundation design work shall be verified by Special Inspections including testing and inspection reports by qualified third party agencies as defined in the NY State Building Code.

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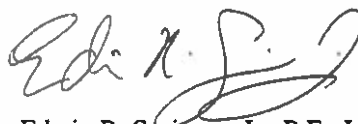
*Mr. Alex Kovacevic, Village Deputy Clerk-Treasurer, Acting Secretary to the BZA
Incorporated Village of Manorhaven*

*June 7, 2021
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Additionally, we want to reinforce that all of the superstructure remedial design recommendations be made from all previous correspondences in order to meet the minimum NY State Building Code requirements. All of the original foundation and structural construction, as well as all remedial work, shall have Special Inspection reports made with a final sign off, including testing and inspection reports, as a requirement for the final certificate of occupancy to confirm the building has been built in substantial compliance with final set of Village approved constructions documents.

Should you have any questions or require additional information, please feel free to contact Steve Hadjiyane at [REDACTED] or myself at [REDACTED]

Very truly yours,



Edwin R. Springer, Jr., P.E., LEED AP
Chief Structural Engineer

ES/kj