

The following are our initial thoughts on the Mueser Rutledge Consulting Engineers August 30, 2021 submission for the 59 Orchard Beach Blvd. project for compliance with the FEMA Building Science 5/14/2021 email, the 1/9/2020 Joseph Nicoletti Assoc. survey and the Demerara Engineering and Mueser Rutledge Consulting Engineers drawings that were included in the applicants 3/18/2021 final submission to the NYS DEC and FEMA Building Science:

The August 30th submission includes two attachments, Appendix A and Appendix B. Appendix A are responses from the Architect and Engineer of record to previous Village of Manorhaven comments on prior document submissions and Appendix B are drawings that relate to those responses. Our comments to the Architect and Engineer of record responses are as follows:

Appendix A:

John Schimenti P.C. Architecture 8/26/2021 correspondence to the Village of Manorhaven:

1. The A-201 drawing submitted for DOB review on 5/5/2016 does not include a detail #3 or make any mention of a perimeter retaining wall.

The A-201 drawing submitted for "Village Comments" on 6/24/2021 does not include a detail #3 or make mention of a perimeter retaining wall.

The A-201 drawing submitted as a "Conformance set per BZA comments" on 8/30/2021 does include a retaining wall detail #3.

- Since the retaining wall detail was not on the original plans, provide pictures of the actual construction of the retaining wall and a controlled inspection report of the retaining wall construction.

2. The A-001.00 drawing submitted for DOB review on 5/5/2016 does not include storm water retention/drainage plans.

The A-600.00 drawing submitted as a "Conformance set per BZA comments" on 8/30/2021 does include drawing A-600.00: Grading, Drainage & Utilities.

- The A-600.00 Drainage Plan includes four (4) drywells. Incorporate the four (4) drywells into the Landscape and Erosion Control drawing A-601.00 dated 8/30/21 and the Erosion Control plans C-300.00 and C-301.00 dated 8/30/21.
- The A-600.00 Drainage Plan includes drainage calculations for 7,203 sf of total area. The total property area is 7,550.3 sf.
- The A-600 drainage calculations include landscape area in the side yards. Identify the side yard landscaped area on drawing A-601.00.

Demerara Engineering August 27, 2021 correspondence to the Village of Manorhaven:

1. Drawing S-202.00 – Detail 4.

- Identify the specifications of the timbers to be utilized for shear wall construction.
- Clarify the note “2 x 1 timber joist”.
- Clarify spacing of Simpson LTS12 Strong-tie.