



ENGenuity Infrastructure™
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MUHL-00010

August 25, 2020

Attn: Ms. Candice Mitchell, Planning Board Secretary
Borough of Sea Bright
Unified planning Board
1099 Ocean Avenue
Sea Bright, NJ 07760

**Re: Mountain View Villas at Sea Bright - First Technical Review Response Letter
Block 23, Lot 130; Block 33, Lot 20.02; Block 34, Lots 3.03 & 3.04
Sea Bright App. # Z 2020-10
HACE # SEP-140**

Dear Ms. Mitchell:

Please accept this letter in response to the Board Engineer's letter dated August 20, 2020. We offer the following responses for the Board's consideration; the Board Engineer's review comments and numbering are shown in *italics* and our response comments are provided in **bold**:

First Technical Review

Our office is in receipt of a Preliminary and Final Major Site Plan and Subdivision for the above property on Mountain View Way. The applicant submitted the following:

- *Cover letter from Robert J McGowan, Esq, dated August 3, 2020 with application package*
- *Preliminary and Final Major Site Plan and Subdivision Plan, Block 23, Lot 130; Block 33, Lot 20.02; Block 34, Lots 3.03 & 3.04, Borough of Sea Bright, NJ prepared by Jaclyn J. Flor, PE, PP, CME, Red Bank, NJ, dated 6/12/20, consisting of eleven (11) sheets.*
- *Boundary and Topographic Survey, tax lots 3.03, 3.04, 3.05 & 3.06, Block 34; Tax Lot 20.02, Block 33, Mountain View Way, Borough of Sea Bright, Monmouth County, New Jersey by DPK Consulting, signed by James Heiser PLS dated 4/27/20 consisting of one (1) sheet.*
- *Architectural Plans entitled Mountainview Villas at Sea Bright, LLC by Anthony Condouris Architect, Rumson, NJ dated 7/29/20, consisting of 6 sheets.*
- *Stormwater Management Report for Mountainview Villas at Sea Bright, LLC prepared by Jaclyn J. Flor, PE, PP, CME, Red Bank, NJ, dated 7/31/20.*

A) Introduction

The property is located in the North Beach section of the Borough and fronts on Mountain View way. The subdivision site is about 140 feet West of Ocean Avenue in the R-2 zone. A single lot East of Ocean Avenue is part of the project and is in the CP Zone.

The applicant is proposing to demolish the two existing dwellings on the property and subdivide the property in order to create 5 new lots for single family residences. The plan also proposes to vacate about 80 feet of Mountain View Way near the River, and provide an access easement to the river for the public. They will have to request this of the Sea Bright Mayor and Council.

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Instead of a standard cul-de-sac, the applicant is proposing a double sided K turn and will need to dedicate two areas to the Borough to accomplish this.

The property is located in the FIRM Flood Zone AE with a minimum elevation of AE zone with a BFE of 10. Any buildings, if this application is approved, shall have the lowest horizontal structural member including basement, together with attendant utility and sanitary facilities, mechanical equipment, must be built to a minimum of three feet above the base flood elevation.

B) Zoning Table (R-2) Zone)

	Required	Lot 20.02	Lot 20.03	Lot 20.04	Lot 3.03	Lot 3.04
Min. Lot Area (sq. feet)	4,000 SF	2,800 SF	3,113 SF	5,057 SF	14,597 SF	3,916 SF
Min. Lot Width (feet)	50 Ft	70 Ft	80 Ft	60 Ft	80 Ft	50 Ft
Min. Lot Depth (feet)	60 Ft	40 Ft	40 Ft	78.81 Ft	179.94 Ft	80 Ft
Min. Front Yard Setback	25 Ft	5 Ft	5 Ft	25 Ft	25 Ft	8 Ft
Min. Side Yard Setback (feet)	7 Ft	13 Ft	22 Ft	7 Ft	8 Ft	8 Ft
Min. Combined Side Yard Setback (feet)	15 Ft	30 Ft	N/A	15 Ft	16 Ft	N/A
Min. Rear Yard Setback (feet)	15 Ft	7 Ft	7 Ft	16 Ft	17 Ft	16 Ft
Max. Building Coverage	50 %	39.6%	40%	35.25%	17.22%	33.54%
Max. Lot Coverage	70 %	49.8%	49.52%	45.92%	21.63%	46.96%
Max. Building Height (feet)/Stories	35 Ft/2.5 Stories					

- Variance Requests are in **Bold**.
- The applicant is proposing to subdivide the existing property into five (5) individual lots, three (3) of the lots will require "C" variances.
- While not required under the ordinances, the density is 6.94 units per acre (RSIS medium density).

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C) *Technical Review:*

- 1) *Section 130-51 E - Sidewalks shall be installed if required by the Planning Board, when deemed necessary for safety. The applicant is not proposing sidewalks on this site. Testimony should be provided. **Testimony will be provided during the hearing. It should be noted that the Applicant does not own the two lots that front on Ocean Avenue. If sidewalk was provided along one side of the street, it would not connect to the State Highway (Ocean Avenue). Additionally, the Right-of-Way width of Mountain view way in the existing and proposed condition is 20 feet and the paved cartway is 18 feet, so if sidewalks were provided, they would need to be within an easement. We will testify regarding same to understand the Board's opinion on sidewalk.***
- 2) *Section 130-62 B 27 a-d Existing Trees*
*The following trees shall be shown: Living deciduous trees having a trunk of six inches, coniferous trees having a trunk of six inches, dogwood or American Holly having a trunk of one inch, all at breast height and native laurel shrubs having a root crown of three inches or greater measured at the soil or surface level. The applicant should indicate if any of these trees exist on the site. **Existing trees conforming to the definition(s) above shall be located within the subdivision tract and added to the survey and existing condition plans. The existing trees will be added to any revised plans provided to the Board.***
- 3) *Section 130-63 B 6 Grading Plan*
*A grading plan showing existing and proposed grading contours at one foot intervals throughout the tract, except if slopes exceed 5%, a two-foot interval may be used, and if they exceed 10%, a five-foot interval is permissible. The applicant should show 1 foot and half foot contours. **The grading plan will be supplemented to show the proposed 1-foot and half foot contours.***
- 4) *RSIS Section Chapter 5:21 Table 4.3*
*The applicant has chosen a 17.9 foot paved roadway width. This is larger than the 16 foot width required but will not allow any on street parking. We suggest that the applicant increase the width to 18 feet to conform to the "Rural Lane" standard. The applicant is providing curb on both sides of the street. **The plans will be revised to provide the requested 18.0-foot-wide paved cartway to conform to the RSIS "Rural Lane" standard.***
- 6) *RSIS Section Chapter 5:21 Table 4.3*
*The RSIS require that the ROW width should be 50 feet. The existing street ROW is 20 feet. The applicant should provide testimony as to why a waiver from the standard is being requested. **Testimony regarding the waiver request from RSIS for a 50 ft wide ROW will be presented during the hearing.***

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- 5) *RSIS Section Chapter 5:21 Table 4.4 Parking*
The applicant indicates that there is sufficient parking either in the garages or in the driveways. Our calculation, which includes the bonus room as a bedroom creates a 0.5 space deficit on lot 20.02:

Proposed Lot	20.02	20.03	20.04	3.03	3.04
Bedrooms	3	3	4	5	3
With Bonus Room	4	4	5	6	4
Parking Required w/o Bonus Room	2	2	2.5	3	2
Parking required w/ Bonus Room	2.5	2.5	3	3.5	2.5
Parking Provided	2	3	4	4	4

Testimony should be provided as to the use of the Bonus room.

As indicated on Sheet 4 of the plans in our zoning table we provide 3 spaces on lot 20.02, two garage spaces and one 13' x 18' driveway. Additionally, the Architect will provide testimony regarding the intended use of the "bonus rooms" shown on the architectural floor plans, and the garage space parking on 20.02.

- 6) *RSIS Section 5-21 4 5 Sidewalks*
Sidewalks shall be required in graded areas in table 4.3 when the minimum lot size is less than one acre. We have this condition here and the applicant should provide testimony as to why sidewalks are not provided.
Testimony will be provided on C.1 and this comment.
- 7) *RSIS 5:21 4 11 Lighting*
There is no standard in RSIS but the Sea Bright Ordinances provide:
*Section 130 58 L 1 Outdoor lighting shall be so designed as not to cause glare upon adjoining residential property or interfere with vehicular traffic. Outdoor street lighting should be provided in conjunction with JCP & L for Mountain View Way. One light should be sufficient. The cobra light should be replaced by the JCP & L Standard Colonial. The notes on the plan should be made clearer. **The lighting plans will be updated per the recommendation to replace the existing cobra head light fixture with a JCP&L Standard Colonial Fixture. Please note that in addition to the existing utility pole to be relocated a new JCP&L standard Colonial pole and fixture will be provided at the "T" terminus of Mountain View Way.***
- 8) *RSIS 5:21 4 11 Underground Wiring*
All electric, telephone, television and other communications, both main and service lines in new developments, shall be provided by underground wiring in easements. The applicant should place a note on the utility plan that this will be done.
The applicant agrees to put the services underground. The applicant requests a waiver from providing underground electric, television, and other communication lines, as the existing street is serviced by overhead wiring and this overhead wiring extends from this street into Lands' End.

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- 9) *RSIS Section 21:4 19 Street Grade*
*The minimum street grade for all streets shall be 0.5%. The applicant has provided the 170 foot street extension to be sloped at 0.3%. The difference between 0.5% and 0.3% is 0.34 feet in slope and should be provided. **The roadway profile plans and grading plan will be revised.***
- 10) *RSIS Section 5:21-5 1 Water supply*
*The applicant is proposing an extension to the existing 6 inch water line on site. A hydrant will be placed on the South tee of the "T" turn. The detail should be revised to be a Mueller Centurion. The water and hydrant is subject to the Sea Bright Fire Department and the New Jersey American Water reviews. **The fire hydrant detail will be revised to indicate a "Mueller Centurion" model. Additionally, plans will be provided to the Sea Bright Fire Department and New Jersey American Water for review and approval of the proposed water distribution system and components.***
- 11) *RSIS Section 5:21 6 1 Sanitary Sewers*
*The applicant is connecting to the existing sanitary sewer in Mountain View Way. The manhole at the end was inaccessible at the time of the survey and the size and condition is unknown. This should be investigated and if the pipe is undersized or in poor condition, it should be brought up to the standards of this chapter. **The Applicant agrees to comply with recommendations to further investigate the condition of the existing sanitary sewer main, and should the pipe be undersized or in poor condition, the plans will show the portion of the sewer main within the subdivision tract to be upgrade to the NJAC 5:21 RSIS standards.***
- 12) *RSIS Section 5:21 7 1 Stormwater Management*
- a) *This project cannot be considered a Major Development in that the application is not disturbing more than one acre of land or is building more than one quarter of an acre of new impervious surface. We have previously asked for a pre and post stormwater calculations which has been provided. **Informational.***
- b) *The applicant is increasing the flows to the Shrewsbury River by 72.7%, 64.9% and 58.6% for the 2, 10 and 100 year storm. While this may seem large, the increases are 0.516, 0.751 and 1.303 CFS for the respective storms. The down stream is the Shrewsbury River which is tidal and can easily accept the flow. **Informational.***
- 13) *Other Comments:*
- a) *The applicant proposing eight American Sycamore street trees in the front yards of the property's fronting Mountain View way to be used as street trees. The Board may wish to suggest a tree as a substitution. **Subject to the Boards street tree recommendations, the landscaping plans will be revised to replace the American Sycamore, with the Board's street tree recommendation.***

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- b) *The applicant shall submit a permit to the Two River Reclamation Authority for approval of the new flow. Correspondence will be provided to Two Rivers Water Reclamation Authority confirm the capacity for the additional sanitary sewer flow.*
- d) *The applicant shall provide existing and proposed sanitary sewer calculations in GPD. We will review these calculations for sewer fees. Once reviewed and approved the town can issue a will serve letter. Proposed Sanitary sewer flow calculations will be provided under separate cover to calculate required sewer connection fees.*
- e) *The applicant shall confirm the separation between the sewer laterals and the proposed water main to verify adequate spacing is provided. A notation shall be added to the Utility Plan indicating that either a 10ft horizontal separation, or an 18 Inch vertical separation be provided between sewer laterals and the water main. Should an 18-inch vertical separation be infeasible concrete encasement of the pipe shall be provided.*
- f) *Based on a review of the Coastal Permit Program Rules at 7:7-2.1, a CAFRA Individual Permit shall be obtained for the proposed residential development. We defer further review to the NJDEP. The applicant shall provide documentation of approval to the Borough once received. A CAFRA Individual Permit shall be applied for. Copies of the application and final documentation will be provided.*
- g) *The storm utility easement should be 10 foot wide as a minimum to complete any repairs. The storm utility easement will be widened to 10 feet wide, so as to complete any future repairs of the system.*
- h) *A profile of the storm sewer and outfall should be provided. The plans will be revised to include a profile of the storm sewer pipe, and outfall.*
- i) *A detail of the final manhole and pipe which includes the backflow prevention valve should be included on the plans A construction detail of the final E-inlet structure, pipe, bulkhead penetrations, and backflow preventer will be provided on the plans.*
- j) *The applicant is proposing finished floor elevations between 16.80 and 17.60 with garages between 6.70 and 7.50. The property is located in an AE zone with a BFE of 10. The applicant should testify that the first floor will not be habitable space. All HVAC units should be 3 feet above this flood level. We defer further review to the Flood Plain Official. Testimony will be provided at the hearing by the Architect regarding the first-floor elevation of all dwellings to be used as non-habitable space. The Applicant agrees to comply with any regulations or recommendations presented by the Flood Plain Official.*

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- k) *The applicant should provide some vegetation on the seawall lot such as black pine and dune grass for stabilization. **The Landscape Plans will be revised to supplement the landscape plan to provide the recommended vegetation on the seawall lot.***
 - l) *The bulkhead height should be raised to elevation 9.0. **The proposed top of bulkhead elevation will be revised to the recommended 9.0 elevation. Revised grading plans will be provided.***
 - m) *The applicant should provide testimony on the conversion of the tidelands claim on lot 20.04 to either a lease or a grant. **Testimony shall be provided. The Applicant shall apply for a tidelands grant application because the area is historically filled and has a house on the lot. The leases tend to be docks, piers and other waterward objects. This upland tideland claim was previously filled when the bulkhead was constructed therefore a tidelands grant shall be applied for.***
- 14) *If the applicant is successful, the following items shall be provided at the appropriate time:*
- a) *Section 130-67 A 1 - Performance Guarantees - Prior to the signing of a final plat of a subdivision or of a site plan, issuance of a development permit and/or the commencing of any clearing, grading or installation of improvements, the developer shall have filed with the Borough a performance guaranty sufficient in amount to equal 120% of the total cost to the Borough, as estimated by the Borough Engineer, of constructing those on-site, on-tract, off-site and off-tract improvements necessary to protect adjacent property and the public interest in the event development of the site were not completed. **The Applicant agrees to provide the required Performance Guarantees.***
 - b) *The applicant shall enter into a Developer's Agreement (Section 130-66C 10) with the Borough for fair share sewer contributions and connections fees - Sanitary sewer flows used to calculate fair share and connection fees shall be provided. **The Applicant agrees to enter into a Developers Agreement.***
 - c) *Shop drawings and submittals, stamped approved by the design engineer, shall be submitted to the Borough Engineer for review and approval, prior to construction, including storm sewer inlets, manholes, castings, MTD, survey cut sheets, diversion manholes, and overflow manholes. **The Applicant agrees to provide shop drawings and submittals stamped for approval by the design engineer will be provided to the Borough Engineer for final review prior to fabrication/construction.***
 - d) *The applicant shall be subject to any affordable housing requirements of Sea Bright. **Informational.***
- 15) *Outside Agency Approval*
The application shall be subject to review by all regulatory agencies having jurisdiction, including:

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- a) Freehold Soil Conservation District*
- b) Monmouth County Planning Board*
- c) Coastal Area Facilities Review Act*
- d) Sea Bright Fire Department (fire hydrant and other comments)*
- e) Flood Plain Official*

Copies of all required outside agency approvals will be provided.

Should you have any questions or require any additional information, please do not hesitate to contact this office.

Sincerely,



Jaelyn J. Flor, PE, PP, CME
President & CEO

cc: