

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

OMB Control No. 1660-0008
Expiration Date: 06/30/2026

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name: Slack

Policy Number: _____

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
2 101st Street

Company NAIC Number: _____

City: Borough of Stone Harbor

State: NJ

ZIP Code: 08247

A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number:
Lots 9, 11 & 13 in Block 100.01

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Residential

A5. Latitude/Longitude: Lat. 39°02'56.5" Long. -74°45'30.3" Horizontal Datum: ☐ NAD-1927 ☒ NAD-1983 ☐ WGS-84

A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).

A7. Building Diagram Number: 6

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s): 0.00 sq. ft.

b) Is there at least one permanent flood opening on two different sides of each enclosed area? ☐ Yes ☐ No ☒ N/A

c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade:
Non-engineered flood openings: N/A Engineered flood openings: N/A

d) Total net open area of non-engineered flood openings in A8.c: N/A sq. in.

e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): 0 sq. ft.

f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): N/A sq. ft.

A9. For a building with an attached garage:

a) Square footage of attached garage: N/A sq. ft.

b) Is there at least one permanent flood opening on two different sides of the attached garage? ☐ Yes ☐ No ☒ N/A

c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:

Non-engineered flood openings: N/A Engineered flood openings: N/A

d) Total net open area of non-engineered flood openings in A9.c: N/A sq. in.

e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): N/A sq. ft.

f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1.a. NFIP Community Name: Borough of Stone Harbor

B1.b. NFIP Community Identification Number: 345323

B2. County Name: Cape May County

B3. State: NJ

B4. Map/Panel No.: 34009C0242

B5. Suffix: F

B6. FIRM Index Date: 10/05/2017

B7. FIRM Panel Effective/Revised Date: 10/05/2017

B8. Flood Zone(s): VE

B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): 12

B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9:

☐ FIS ☒ FIRM ☐ Community Determined ☐ Other: _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date: _____ ☐ CBRS ☐ OPA

B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? ☒ Yes ☐ No

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
2 101st Street

FOR INSURANCE COMPANY USE

City: Borough of Stone Harbor State: NJ ZIP Code: 08247

Policy Number: _____

Company NAIC Number: _____

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: NJTCM-Ref 0333 Vertical Datum: N.A.V.D 1988 Geoid #18

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other: _____

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?

☐ Yes ☒ No

If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor): 15.00 ☒ feet ☐ meters

b) Top of the next higher floor (see Instructions): 25.00 ☒ feet ☐ meters

c) Bottom of the lowest horizontal structural member (see Instructions): 14.00 ☒ feet ☐ meters

d) Attached garage (top of slab): _____ ☐ feet ☐ meters

e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): 14.80 ☒ feet ☐ meters

f) Lowest Adjacent Grade (LAG) next to building: ☐ Natural ☒ Finished 9.50 ☒ feet ☐ meters

g) Highest Adjacent Grade (HAG) next to building: ☐ Natural ☒ Finished 11.30 ☒ feet ☐ meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: 9.50 ☒ feet ☐ meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

☒ Check here if attachments and describe in the Comments area.

Certifier's Name: George Swensen License Number: GS43415

Title: Professional Land Surveyor

Company Name: Cape Land Surveying, LLC

Address: 1217 S.Shore Road Suite 106

City: Ocean View State: NJ ZIP Code: 08230

Signature: George Swensen Date: 12/15/2023

Telephone: (609) 390-9618 Ext.: _____ Email: office@cape-survey.com

Place Seal Here

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):
Lowest machinery servicing the building are the A/C units on a raised platform outside the building. There is a 31 SqFt unvented elevator shaft with an elevation of 10.0.

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

2 101st Street

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

City: Borough of Stone Harbor State: NJ ZIP Code: 08247

SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the LAG.

a) Top of bottom floor (including basement, crawlspace, or enclosure) is: _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is: _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) of the building is: _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is: _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is: _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge*

☐ Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Signature: _____ Date: _____

Telephone: _____ Ext.: _____ Email: _____

Comments: _____

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

| | |
|---|--|
| Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>2 101st Street</u> | FOR INSURANCE COMPANY USE |
| City: <u>Borough of Stone Harbor</u> State: <u>NJ</u> ZIP Code: <u>08247</u> | Policy Number: _____ Company NAIC Number: _____ |

SECTION G - COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:

- G1. ☒ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.a. ☐ A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.
- G2.b. ☐ A local official completed Section H for insurance purposes.
- G3. ☐ In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.
- G4. ☒ The following information (Items G5-G11) is provided for community floodplain management purposes.
- G5. Permit Number: 22-1107 G6. Date Permit Issued: 06/06/22
- G7. Date Certificate of Compliance/Occupancy Issued: 3-1-24
- G8. This permit has been issued for: ☒ New Construction ☐ Substantial Improvement
- G9.a. Elevation of as-built lowest floor (including basement) of the building: 15 ☒ feet ☐ meters Datum: NAVD 88
- G9.b. Elevation of bottom of as-built lowest horizontal structural member: 14 ☒ feet ☐ meters Datum: NAVD 88
- G10.a. BFE (or depth in Zone AO) of flooding at the building site: VE 12 ☒ feet ☐ meters Datum: NAVD 88
- G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: Higher of BFE + 3 or 12 ☒ feet ☐ meters Datum: NAVD 88
- G11. Variance issued? ☐ Yes ☒ No If yes, attach documentation and describe in the Comments area.

The local official who provides information in Section G must sign here. I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.

Local Official's Name: Raymond Poudrier Title: C.O./201 F.P.A.

NFIP Community Name: Stone Harbor

Telephone: 609-368-6814 Ext.: _____ Email: poudrier@shnj.org

Address: 9508 Second Ave.

City: Stone Harbor State: N.J. ZIP Code: 08247

Signature: [Signature] Date: 3/1/24

Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H):

Line G10.b. At time of Permit Issuance, DFE was BFE + 2' or 11'

V-Zone Cert & Breakaway wall Cert attached.

Line A8a) Breakaway walls constructed of slats w/ 1 1/2" gap - NOT enclosed area.

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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

2 101st Street

City: Borough of Stone Harbor

State: NJ

ZIP Code: 08247

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

SECTION H - BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). **Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.**

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) For Building Diagrams 1A, 1B, 3, and 5-9. Top of bottom _____ ☐ feet ☐ meters ☐ above the LAG floor (include above-grade floors only for buildings with subgrade crawlspaces or enclosure floors) is:

b) For Building Diagrams 2A, 2B, 4, and 6-9. Top of next higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is: _____ ☐ feet ☐ meters ☐ above the LAG

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

☐ Yes ☐ No

SECTION I - PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

☐ Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Signature: _____ Date: _____

Telephone: _____ Ext.: _____ Email: _____

Comments: _____

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19
BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
2 101st Street

City: Borough of Stone Harbor State: NJ ZIP Code: 08247

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Front View 7-31-23

Clear Photo One



Photo Two

Photo Two Caption: Rear View 7-31-23

Clear Photo Two

Building Diagrams

DIAGRAM 3

All split-level buildings that are slab-on-grade, either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (excluding garage) is at or above ground level (grade) on at least 1 side.*

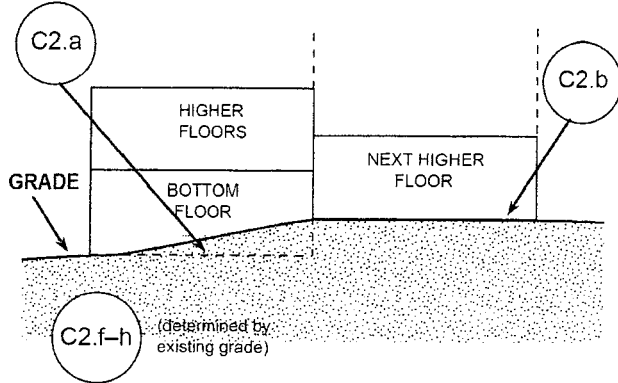


DIAGRAM 4

All split-level buildings (other than slab-on-grade), either detached or row type (e.g., townhouses); with or without attached garage.

Distinguishing Feature – The bottom floor (basement or underground garage) is below ground level (grade) on all sides.*

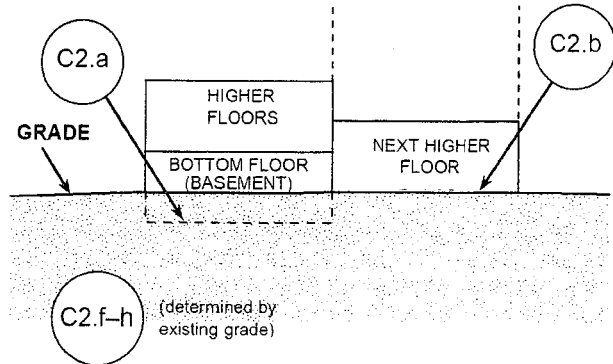


DIAGRAM 5

All buildings elevated on piers, posts, piles, columns, or parallel shear walls. No obstructions below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is open, with no obstruction to flow of floodwaters (open lattice work and/or insect screening is permissible).

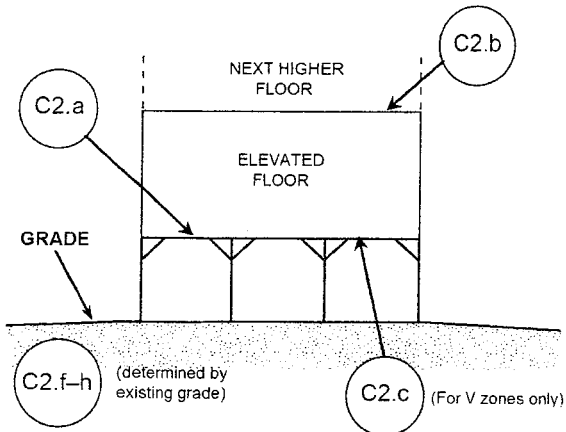
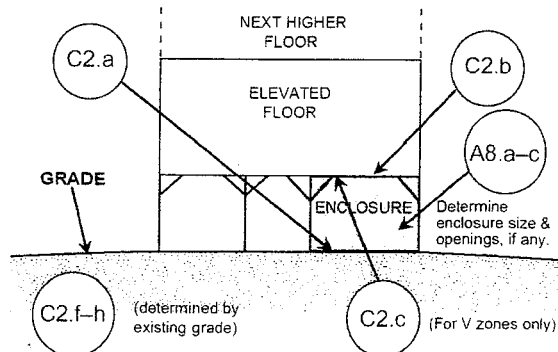


DIAGRAM 6

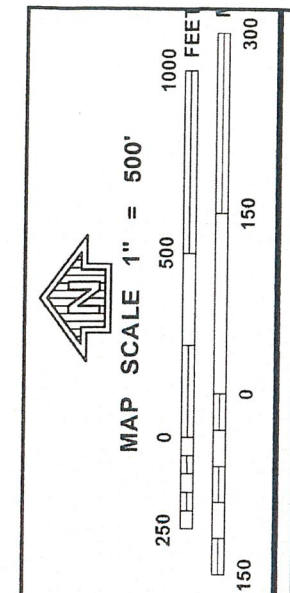
All buildings elevated on piers, posts, piles, columns, or parallel shear walls with full or partial enclosure below the elevated floor.

Distinguishing Feature – For all zones, the area below the elevated floor is enclosed, either partially or fully. In A Zones, the partially or fully enclosed area below the elevated floor is with or without openings** present in the walls of the enclosure. Indicate information about enclosure size and openings in Section A – Property Information.



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of 2 openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than 1 square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least 2 sides of the enclosed area. If a building has more than 1 enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than 1.0 foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.



NFIP

FIRM

FLOOD INSURANCE RATE MAP

**CAPE MAY COUNTY,
NEW JERSEY
(ALL JURISDICTIONS)**

PANEL 242 OF 311
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|---|--------|-------|--------|
| MIDDLE TOWNSHIP OF STONE HARBOR BOROUGH OF | 340154 | 0242 | F |
| | 345323 | 0242 | F |

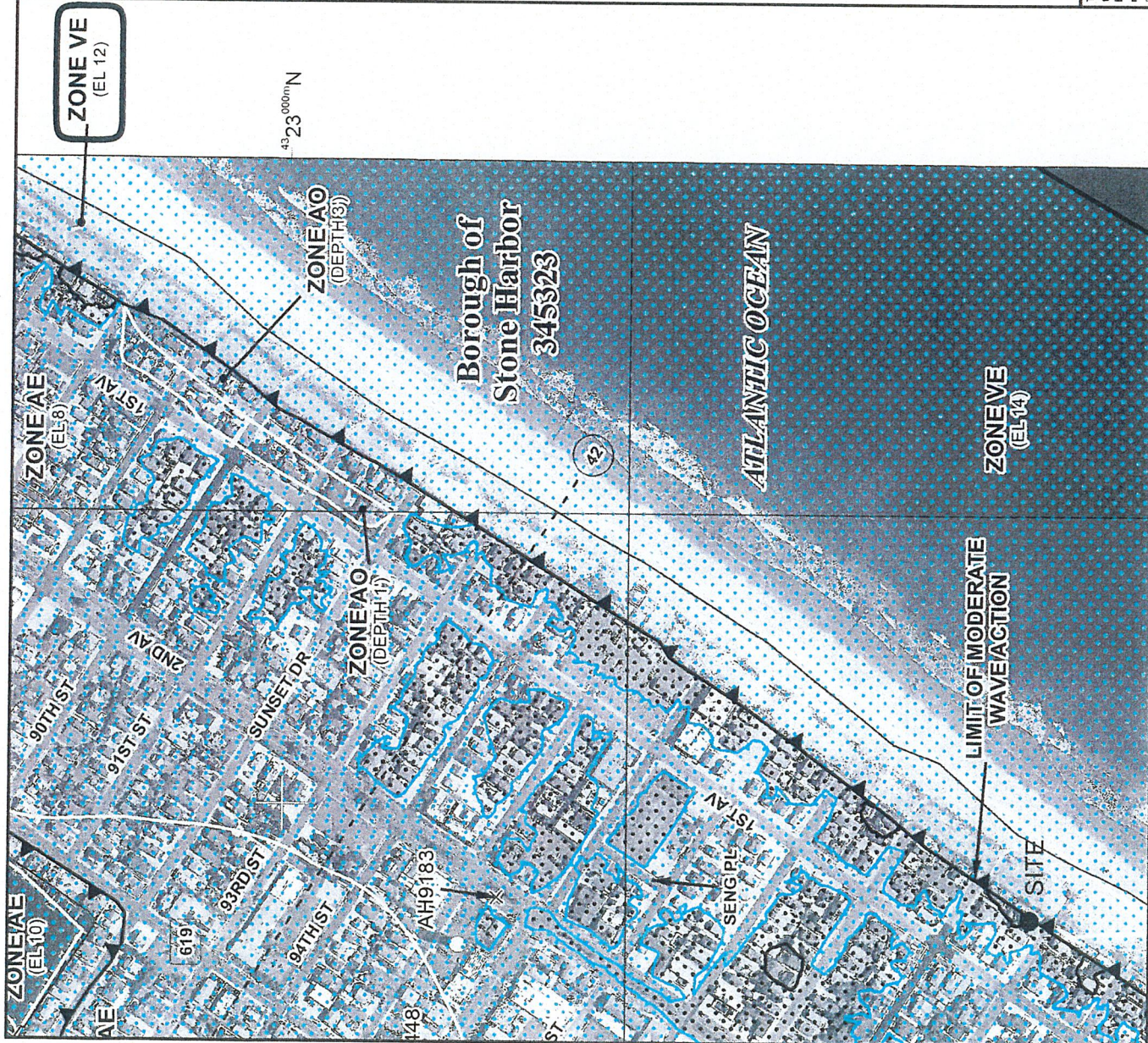
NOTE:
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER
REPAIR ACT OF 1982, AND/OR SUBSEQUENT
ENABLING LEGISLATION.
Notice to User: The Map Number shown below should be
used when placing map orders; the Community Number
shown above should be used on insurance applications for the
subject community.

MAP NUMBER
34009C0242F

EFFECTIVE DATE
OCTOBER 5, 2017

Federal Emergency Management Agency

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.



RECEIVED

JAN 02 2024

V ZONE DESIGN CERTIFICATE

Name SLACK RESIDENCE Policy Number (Insurance Co. Use) _____
 Building Address or Other Description 2 101st STREET
 Permit No. _____ City BOROUGH OF STONE HARBOR State NJ Zip Code 08247

SECTION I: Flood Insurance Rate Map (FIRM) Information

Community No. 345323 Panel No. 34009C0242 Suffix F FIRM Date 10/5/17 FIRM Zone(s) V

SECTION II: Elevation Information Used for Design

[NOTE: This section documents elevations used in the design – it does not substitute for an Elevation Certificate.]

1. Elevation of the Bottom of Lowest Horizontal Structural Member 14 feet (NAVD88)
2. Base Flood Elevation (BFE)..... 12 feet (NAVD88)
3. Elevation of Lowest Adjacent Grade 9.5 feet (NAVD88)
4. Approximate Depth of Anticipated Scour/Erosion used for Foundation Design..... 4.5 feet (NAVD88)
5. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade..... -10.5 feet (NAVD88)

SECTION III: V Zone Design Certification Statement

[NOTE: This section must be certified by a registered engineer or architect.]

I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the following provisions:

- The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the BFE; and
- The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action.

SECTION IV: Breakaway Wall Design Certification Statement

[NOTE: This section must also be certified by a registered engineer or architect when breakaway walls exceed a design safe loading resistance of 20 pounds per square foot.]

I certify that (1) I have developed or reviewed the structural design, plans, and specifications for construction and (2) that the design and methods of construction to be used for the breakaway walls are in accordance with accepted standards of practice for meeting the following provisions:

- Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and
- The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (wind and water loading values to be used are defined in Section III).

SECTION V: Certification and Seal

This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. I certify the V Zone Design Certification Statement in Section III and the Breakaway Wall Design Certification Statement in Section IV (if applicable).

| | | | |
|-------------------|----------------|----------------|-------|
| ANDREW VOORHEES | | GE58990 | |
| Certifier's Name | | License Number | |
| PROJECT MANAGER | MULHERN + KULP | | |
| Title | Company Name | | |
| 300 BROOKSIDE AVE | AMBLER | PA | 19002 |
| Address | City | State | ZIP |
| | 11/17/23 | 215-646-8001 | |
| Signature | Date | Telephone | |

