



1-FOOT RISE CERTIFICATION

Client/Owner: Larrell and Laura Thomas

Property Address: 708 SW Bluff Drive, Fort White, FL 32038

Property Description: ± 1.06 acres in Columbia County (46,174 sf)
Parcel # 18-7S-16-04236-026 (22374)

Structures in SFHA Zone AE: 20'x40' two story residence and open porch with lowest ground elevation adjacent to the structure at approximately 27.66' NAVD (All elevations NAVD). The existing single family residence on pilings was not included in the model as it was constructed in 1988.

Elevation of 100-YR Flood: 35.2 FT NAVD88 based on SRWMD Effective Flood Report

FIRM Panel: 12023C0488C

Width of 100-YR Flood Elev: ~4305ft

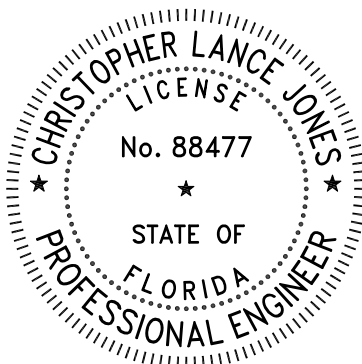
Storage Volume Removed: $[40' \times 20' \times (35.2' - 27.66')] = 12,064 \text{ cf}$

100-YR Flood Level Increase: $12,064 \text{ cf} / 46,174 \text{ sf} = 0.261 \text{ ft}$

This is a conservative calculation for the following reasons:

- The proposed structure is not fully enclosed as 20% of the modeled obstruction is an open porch.

I hereby certify that, to the best of my knowledge, construction of the proposed structures listed above will increase the 100-YR flood elevation less than 1 ft at the project location. Existing ground elevations was provided by available topographical data from SRWMD. Proposed building dimensions, and proposed building locations were obtained from a survey and information provided by the client. The 100-YR flood elevation and the floodplain width were obtained from the Suwannee River Water Management District Flood Report and determined to be 35.2'. This "One Foot Rise" certification is solely for the purpose of obtaining a building permit from the Columbia County Building Department and does not relieve the owner of any other permits that may be required.



Christopher L Jones
2023.02.07 22:16:12 -05'00'

This item has been digitally signed and sealed by C. Lance Jones, PE, on the date associated with the digital signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Christopher L. Jones, P.E.
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"Keeping It Civil"