

1-FOOT RISE CERTIFICATION

Client/Owner: James Baker

Property Address: 276 SW Riverside Ave, Fort White

Property Description: ± 1.157 acres in Columbia County (50,398 sf)
Parcel # 00-00-00-00533-007

Structures in SFHA Zone AE: 32'x46' Residential structure with lowest ground elevation adjacent to the structure at approximately 23.25' NAVD (All elevations NAVD).
4'x493' Boardwalk at a top railing elevation of 27.0' from the riverbank to the proposed residence with lowest ground elevation at the riverbank at approximately 14.0'.

Elevation of 100-YR Flood: 33.0 FT NAVD88 based on SRWMD Effective Flood Report

FIRM Panel: 12023C0458C

Width of Flood Plain: ~1877.84 ft

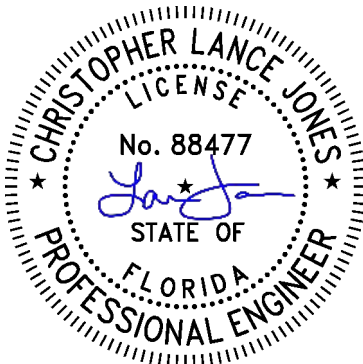
Storage Volume Removed: $[46' \times 32' \times (33.0' - 23.25')] + [493 \times 4 \times (27.0' - 14.0')] = 39,988 \text{ cf}$

100-YR Flood Level Increase: $39,988 \text{ cf} / 50,398 \text{ sf} = 0.793 \text{ ft}$

This is a conservative calculation for the following reasons:

- The area under the building and boardwalk will remain open. The only volume lost will be due to the piers and slab on grade for the parking area under the structure.

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. Ground elevations and building dimensions were obtained from a survey and building plans provided by the client. The 100-YR flood elevation and the floodplain width were obtained from the Suwannee River Water Management District Flood Report. 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, P.E.
License No. 88477

Digitally signed by Lance Jones, P.E. 88477, State of Florida
DN: cn=Lance Jones, P.E. 88477, State of Florida, ou=This item
has been electronically signed and sealed using a SHA
authentication code. Printed copies of the document are not
considered signed and sealed and all SHA verification code
must be verified on any electronic copies.,
email=ljones@jonesengineering.net, c=US®
Date: 2021.11.17 21:09:15 -05'00'