



March 28, 2024

Mr. Skip Harvey
Harvey Building and Construction Inc.
10887 NW 234 St
Alachua, FL 32615
352-258-9051 (cell)

SUBJECT: Elevation Letter_554 SW Grassy Lane, Fort White, FL-Parcel 10-6S-16-03814-118

Background: As requested, I performed an inspection of the proposed residential building site following construction. Photos were taken to document the finished ground elevation and finished floor elevation of the home. The topography of the site naturally slopes away from the northern part of the property along SW Grassy Lane to the southern property boundary. Per the FEMA Flood Hazard Maps, the property is located in FIRM panel 12023C0480C and there are no current flood hazards or wetlands on the property. Per the SRWMD Flood Report, the property is located in Flood Zone "X" with Columbia County LiDAR data showing the minimum elevation being 60' +/- . Offsite, localized flood areas are shown at an elevation of approximately 55' +/- . The elevation of the adjacent roadway, SW Grassy Lane, varies from 73' +/- in the northwest corner of the parcel to 65' +/- in the northeast corner of the parcel. The elevation of the natural ground around the proposed residence is 61.8' at the northwest corner, 61.3' at the northeast corner, 60.1' at the southwest corner, and 59.6' at the southeast corner per survey information provided by William R. Dees, PSM. The finished floor elevation of the home is approximately 7.5"-8" above the finished ground around the exterior perimeter walls. The area in front of the home is graded with a swale so that stormwater is routed around the perimeter of the house.

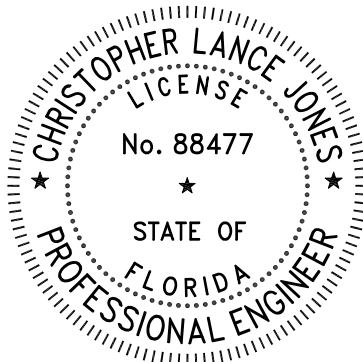
Determination: The building footprint is in the center of the property. The finished floor elevation of the residence is approximately 7.5"-8" higher than the finished ground surrounding the home, which is graded away from the structure to direct stormwater runoff around the home. A swale was constructed around the perimeter of the residence to direct stormwater runoff away from the northern side of the home to the down gradient area at the southern property boundary. The finished floor elevation of the home is below the required elevation of one foot above the adjacent road, but current and proposed flood elevations will not attain elevations above the finished floor elevation as shown in the attached FEMA Firm Maps and SRWMD Flood Reports.

I hereby certify that the minimum finished floor elevation of the residence will protect the structure against water damage from a base flood event to the best of my knowledge as based on the constructed conditions identified during the site visit performed on 3/28/24, as defined in Article 8 of the Land Development Regulations.

Please contact me if you have any questions.

Sincerely,

Lance Jones, PE
Owner



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Christopher L Jones
Digitally signed by
Christopher L Jones
Date: 2024.03.28 14:43:51
-04'00'
ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THE DOCUMENT ARE NOT CONSIDERED
SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED IN THE
ELECTRONIC DOCUMENTS.

JONES ENGINEERING & CONSULTING, LLC
855 SW BAYA DRIVE
LAKE CITY, FL 32025
CHRISTOPHER LANCE JONES, P.E. NO. 88477

"Keeping It Civil"

Site Photos

Figure 1. Northwest Corner of Property-Swale in front of house with grade break from northwest corner of concrete pad



Figure 2. Northeast corner of residence-Swale directs runoff easterly around the residence



Figure 3. Finished Floor Elevation Greater Than 7.5" Above Finished Grade



Appendix A. Columbia County Property Appraiser Aerial

"Keeping It Civil"

Jones Engineering & Consulting, LLC | 855 SW Baya Dr, Lake City, FL 32025 | 386.965.9000 | jonesengineering.net



Columbia County Property Appraiser Jeff Hampton | Lake City, Florida | 386-758-1083

PARCEL: 10-6S-16-03814-118 (19444) | MISC IMPROVED (0700) | 10.02 AC

COMM SW COR, RUN E 46.86 FT TO E R/W SR-47, CONT E 2007.40 FT FOR POB, CONT E 658 FT, N 658.22 FT, W 658.02 FT, S 655.35 FT TO POB. (AKA LOT 18 SOUTH)

Owner:		VAZQUEZ HERNAN L		2024 Working Values	
		VAZQUEZ SUSI Y ACEBEY		Mkt Lnd	\$75,150
		5150 SILO RD		Ag Lnd	\$0
		ST. AUGUSTINE, FL 32092		Bldg	\$0
Site:		554 SW GRASSY LN, FORT		XFOB	\$11,488
		WHITE		Just	\$86,638
Sales		6/23/2023	\$155,000	I (Q)	
Info		1/9/2004	\$50,000	V (Q)	
		4/30/1999	\$31,000	V (Q)	
				Total	county:\$71,118
				Taxable	city:\$0
					other:\$0
					school:\$86,638

NOTES:



Columbia County, FL

This information, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office.

GrizzlyLogic.com

Appendix B. Site Plan for Septic Permit

Appendix C. SRWMD District Flood Report

EFFECTIVE FLOOD INFORMATION REPORT



Location Information

County: **COLUMBIA**
Parcel: **106S1603814118**
Flood Zone: **X**
Flood Risk: **LOW**

1% Annual Chance Base Flood Elev* **Not Applicable**
10% Annual Chance Flood Elev* **Not Applicable**
50% Annual Chance Flood Elev* **Not Applicable**

* Flood Elevations shown on this report are in NAVD 88 and are derived from FEMA flood mapping products, rounded to the nearest tenth of a foot. For more information, please see the note below

Legend with Flood Zone Designations

- | | | | |
|--|----------------------------|-------------------|----------|
| 1% Flood -Floodway (High Risk) | Area Not Included | CrossSections | Wetlands |
| 1% Flood - Zone AE (High Risk) | SFHA Decrease | County Boundaries | |
| 1% Flood - Zone A (HighRisk) | SFHA Increase | FIRM Panel Index | |
| 1% Flood - Zone VE (HighRisk) | Depressions | Parcels | |
| 0.2% Flood-Shaded Zone X (Moderate Risk) | BaseFlood Elevations (BFE) | River Marks | |

Supplemental Information

Watershed	Santa Fe	Map Effective Date	2/4/2009	Special Flood Hazard Area	No
FIRM Panel(s)	12023C0480C				

Anywhere it can rain, it can flood
Know your risk.



www.srwmdfloodreport.com

The information herein represents the best available data as of the effective map date shown. The Federal Emergency Management Agency (FEMA) Flood Map Service Center (<https://msc.fema.gov>) maintains the database of Flood Insurance Studies and Digital Flood Insurance Rate Maps, as well as additional information such as how the Base Flood Elevations (BFEs) and/or floodways have been determined and previously issued Letters of Map Change. Requests to revise flood information may be provided to the District during the community review period on preliminary maps, or through the appropriate process with FEMA [Change Your Flood Zone Designation](https://www.floodsmart.com) | [FEMA.gov](https://www.floodsmart.com). Information about flood insurance may be obtained at (<https://www.floodsmart.com>)

Appendix D. FEMA Firm Map

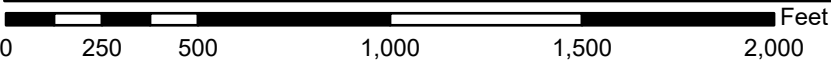
"Keeping It Civil"

Jones Engineering & Consulting, LLC | 855 SW Baya Dr, Lake City, FL 32025 | 386.965.9000 | jonesengineering.net

National Flood Hazard Layer FIRMMette



82°42'28"W 29°58'44"N



1:6,000

82°41'51"W 29°58'13"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/30/2023 at 10:11 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.