December 1, 2023

Mr. Ken Clinton 889 NW Blackberry Circle Lake City, FL 32055 813-495-0140 (cell)

SUBJECT: Elevation Letter_889 NW Blackberry Circle, Lake City, FL-Parcel 17-3S-16-02168-111

Background: As requested, I performed an inspection of the proposed residential building site. Photos were taken to document the existing ground conditions at the site. The building foundation was staked at the time of inspection and located in the center of the property. The existing topography of the site naturally slopes away from the southern part of the property to a low area to the north, known as Hancock Lake, as well as a low area along the western property boundary. The eastern and northern property boundaries include earthen berms that prevent offsite flooding from the low area to the north of the property. Per the FEMA Flood Hazard Maps, the property is located in FIRM panel 12023C0280D. There is a flood zone with wetlands located along the western side of the property that will not be impacted by the proposed structure. Per the SRWMD Flood Report, the property is located in Flood Zone "A,X" with Columbia County LiDAR data showing the flood zone "A" areas around the northern and western parts of the property to be at elevations of approximately 93'+/- and 88'+/-, respectively. The elevation of the adjacent roadway, NW Blackberry Circle, is approximately 109'+/- at the centerline. The elevation of the natural ground around the proposed residence is 95.43'+/- per topographical survey data provided by Britt Surveying. The finished floor elevation of the home is to be set at approximately 96.75'+/- and a minimum of 15" above the natural grade surrounding the building footprint. The finished floor elevation of the home will be below the required elevation of one foot above the adjacent road, but current flood data indicates flood elevations will not attain elevations above the finished floor elevation as shown in the attached SRWMD Flood Reports.

Determination: The proposed building footprint is to be located in the center to the northeast section of the property. The owner/contractor states that the structure is to be constructed with a three-course stem wall foundation with two layers being exposed above the natural grade at the proposed building site. The top of the stem wall foundation and FFE of the structure shall be a minimum of 15" above the adjacent natural grade at the proposed building site, which survey and LiDAR data indicates to be approximately 95.43'+/-. Disturbed area around the proposed structure shall be graded to direct all runoff away from the home to the low area located along the western property boundary, as well as the drainage swale running along the eastern property boundary that discharges to the extensive storage are to the north. The area south of the garage shall be graded away from the structure to prevent runoff from entering the garage.

I hereby certify that the minimum finished floor elevation listed above will protect the structure against water damage from a base flood event to the best of my knowledge as based on the currently available regulatory data, current development conditions in the subject area drainage basin, and the information provided by the client, as defined in Article 8 of the Land Development Regulations.

Please contact me if you have any questions.

Sincerely,

Christopher L Jones 2023.12.01 15:30:43 -05'00'

Lance Jones, PE Owner



This item has been digitally signed and sealed by C. Lance Jones, PE, on the date adjacent to the seal.

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

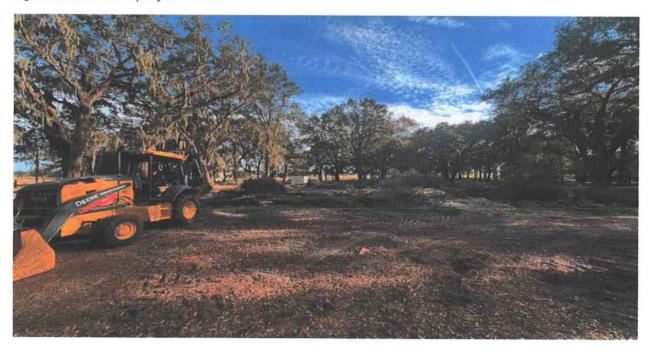


Site Photos

Figure 1. From Centerline of NW Blackberry Circle Looking North

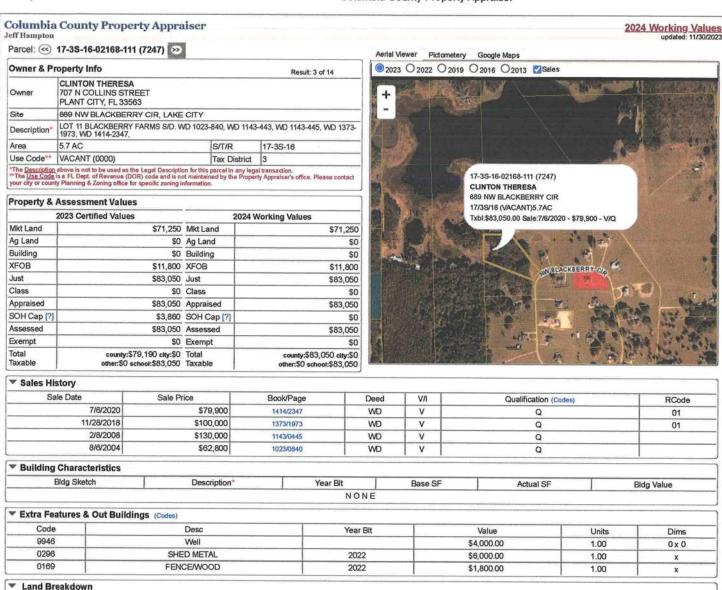


Figure 2. Center of Property at Homesite





Appendix A. Columbia County Property Appraiser Aerial



Adjustments

1.0000/1.0000 1.0000/1.2500000 /

Search Result: 3 of 14

Eff Rate

\$12,500 /AC

Land Value

\$71,250

by: GrizzlyLogic.com

columbia.floridapa.com/gis/

Code

Desc

VAC RES (MKT)

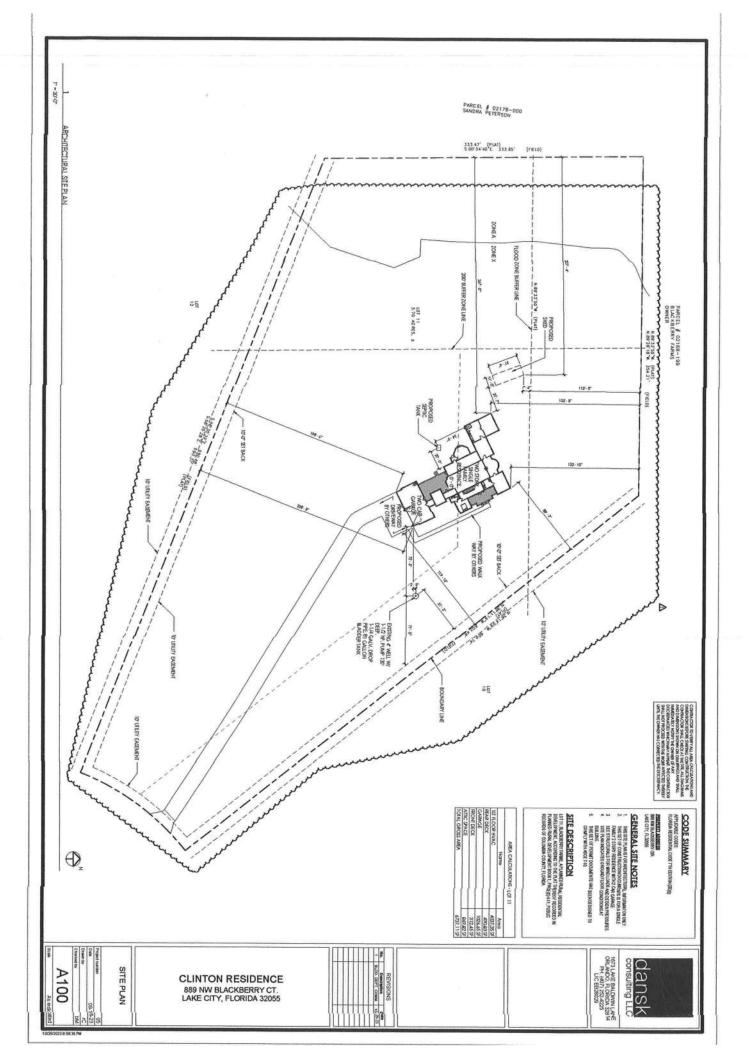
© Columbia County Property Appraiser | Jeff Hampton | Lake City, Florida | 386-758-1083

Units

5.700 AC



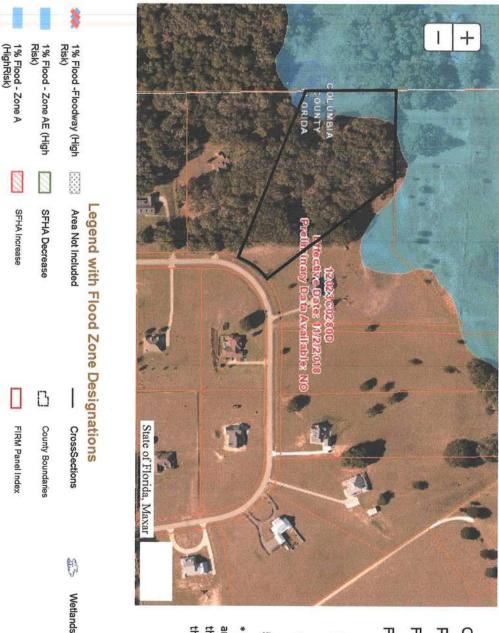
Appendix B. Site Plan





Appendix C. SRWMD District Flood Report

FFECTIVE FLOOD INFORMATION REPORT



Location Information

County: COLUMBIA

173S1602168111

Parcel:

Flood Zone: A,×

Flood Risk:

HGH

1% Annual Chance Base Flood Elev*

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 the note below the nearest tenth of a foot. For more information, please see are derived from FEMA flood mapping products, rounded to

Watershed 0.2% Flood-Shaded Zone X (Moderate Risk) HighRisk) 1% Flood - Zone VE Upper Suwannee 3 BaseFlood Elevations (BFE) Depressions Supplemental Information Map Effective Date 11/2/2018 X Parcels River Marks Special Flood Hazard

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



Yes

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

FIRM Panel(s)

12023C0280D

(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 | FEMA.gov. Information about flood insurance may be obtained at (https://www.floodsmart.com)

11/30/23, 8:00 AM

Base Flood Elevation (BFE)

The elevation shown on the Flood Insurance Rate Map for Zones AE, AH, A1-A30, AR, AO, V1-V30, and VE that indicates the water surface elevation resulting from a flood that has a one percent chance of equaling or exceeding that level in any given year.

D

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.

AE, A1-A30

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. In most instances, base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

A

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of ponding with flood depths of 1 to 3 feet. Base Flood Elevations are determined.

AO

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of sheet flow on sloping terrain with flood depths of 1 to 3 feet Base Flood Elevations are determined.

Supplemental Information:

10%-chance flood elevations (10-year flood-risk elevations) and 50%-chance flood elevations (2-year flood-risk elevations, are calculated during detailed flooding studies but are not shown on FEMA Digital Flood Insurance Rate Maps (FIRMs). They have been provided as supplemental information in the Flood Information section of this report

AE FW (FLOODWAYS)

The channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood (1% annual chance flood event). The floodway must be kept open so that flood water can proceed downstream and not be obstructed or diverted onto other properties.

Please note, if you develop within the regulatory floodway, you will need to contact your Local Government and the Suwannee River Water Management District prior to commencing with the activity. Please contact the District at 800.226.1066.

5

Areas with a 1% annual chance of flooding over the life of a 30-year mortgage with additional hazards due to storm-induced velocity wave action. Base Flood Elevations (BFEs) derived from detailed analyses.

X 0.2 PCT (X Shaded, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD)

Same as Zone X; however, detailed studies have been performed, and the area has been determined to be within the 0.2 percent annual chance floodplain (also known as the 500-year flood zone). Insurance purchase is not required in this zone but is available at a reduced rate and is recommended.

×

All areas outside the 1-percent annual chance floodplain are Zone X. This includes areas of 1% annual chance sheet flow flooding where average depths are less than 1 foot, areas of 1% annual chance stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 1% annual chance flood by levees. No Base Flood Elevations or depths are shown within this zone. Insurance purchase is not required in these zones.

FEMA:

http://www.fema.gov

SRWMD

http://www.srwmd.state.fl.us

SRWMD

9225 County Road 49 Live Oak, FL 32060

(386) 362-1001

Toll Free: (800) 226-1066



Appendix D. Full FEMA FIRM



FLOOD HAZARD INFORMATION



NOTES TO USERS

SCALE

	1 Inch = 1,000 feet					1:12,000	
	ě,	500	1,000		2,000	3,000	4,000
N	0	105 2	10	420	830	Meters 840	

83°41'14.15'W 30°11'1.83'N

NATIONAL FLOOD INSURANCE PROGRAM PLOOD INSURANCE RATE MAP

PANEL 280 or 552

* FEMA
National Flood Insurance Program

MAP NUMBER 12023C0280D EFFECTIVE DATE November 02, 2018



Appendix E. Survey

