

CAROL CHADWICK, P.E.

Civil Engineer

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November 14, 2023

Isaiah Cully

IC Construction LLC

386.867.0086

isaiahc@bellsouth.net

re: ELEVATION LETTER – 362 NW EMPORIA GLEN, LAKE CITY, FL (LOT 1, LAKEWOOD ESTATES)

As requested, I inspected the building site for the proposed construction at the above referenced site. The building pad was graded and the home location staked at the time of the inspection. The photo was taken from NW Emporia Glen looking southwest. A portion of the property is in Lake Jeffery; however, the home site is located in Zone X.

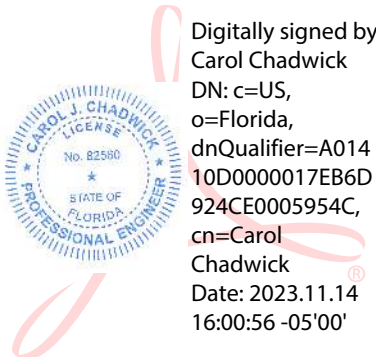


The topography of the site drains to the southwest. Per the attached Elevation Letter, the FFE of the home is 147.4' which is 13.0' above the BFE of 134.4'. The finished floor of the home may be below the required elevation of one foot above the adjacent road.

I certify that the minimum finished floor elevation listed above will protect the structure against water damage from a base flood event, as defined in Article 8 of the Land Development Regulations.

Should you have any questions, please don't hesitate to contact me.

Respectfully,



Carol Chadwick, P.E.

attachments: SRWMD Flood Report & Elevation Letter by Daniel & Gore dated November 2, 2023

This item has be digitally signed and sealed by carol Chadwick, P.E. 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.
CC Job #FL23493

November 2, 2023

Jose A & Nitza M Urrutia
12000 NW 14th Street
Pembroke Pines, FL.33026

Subject: Lot 1, Lakewood Estates Elevation Letter

Dear Jose:

Daniel & Gore, LLC has performed a vertical survey on Lot 1, Lakewood Estates, Columbia County, Florida from a benchmark being NGS concrete monument A151 (elevation – 190.19', NAVD 88) and have determined the following:

- The 100-year based flood per FEMA FIRM 12023C0280D, 12023C0283D is 134.4' (NAVD 1988)
- The finish floor elevation of the foundation is at 147.4', being 13.0' and being above the base flood elevation.

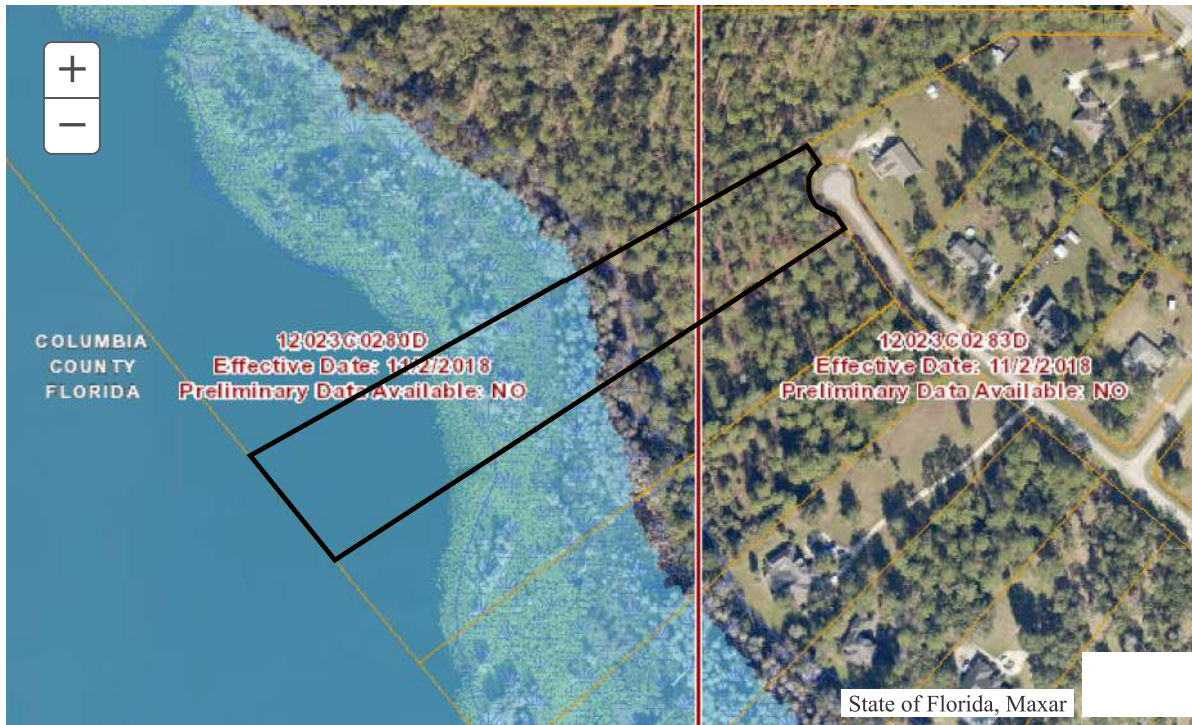
If you have any questions, please call me.

Sincerely,



Scott Daniel, PSM

EFFECTIVE FLOOD INFORMATION REPORT



Location Information

County: **COLUMBIA**
 Parcel: **233S1602272101**
 Flood Zone: **AH, X**
 Flood Risk: **HIGH**

1% Annual Chance Base Flood Elev* **134.4 (feet)**
 10% Annual Chance Flood Elev* **Not Available**
 50% Annual Chance Flood Elev* **Not Available**

* 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	Upper Suwannee	Map Effective Date	11/2/2018	Special Flood Hazard Area	Yes
FIRM Panel(s)	12023C0280D,12023C0283D				

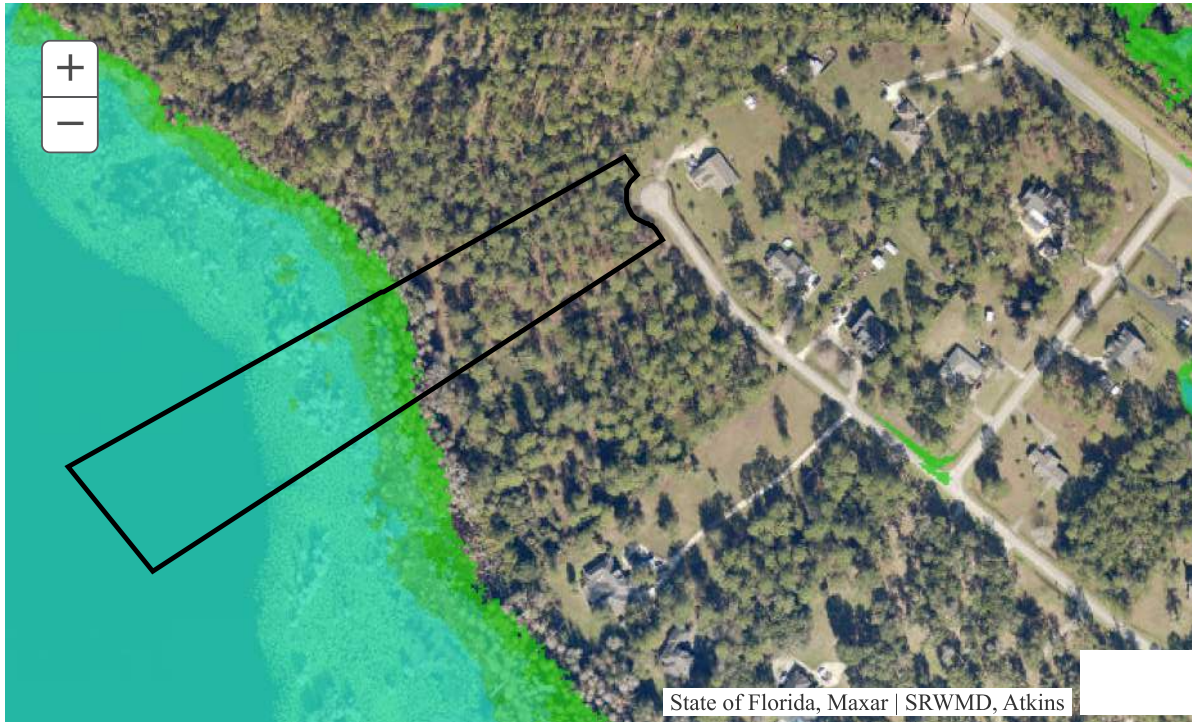
Anywhere it can rain, it can flood
 Know your risk.



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

1% ANNUAL CHANCE FLOOD DEPTH



Location Information

County: **COLUMBIA**
 Parcel: **233S1602272101**
 Flood Zone: **AH, X**
 Flood Risk: **HIGH**

1% Annual Chance Base Flood Elev* **134.4 (feet)**

Legend 1% Annual Chance Flood Depth in Feet



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Know your risk.

Supplemental Information

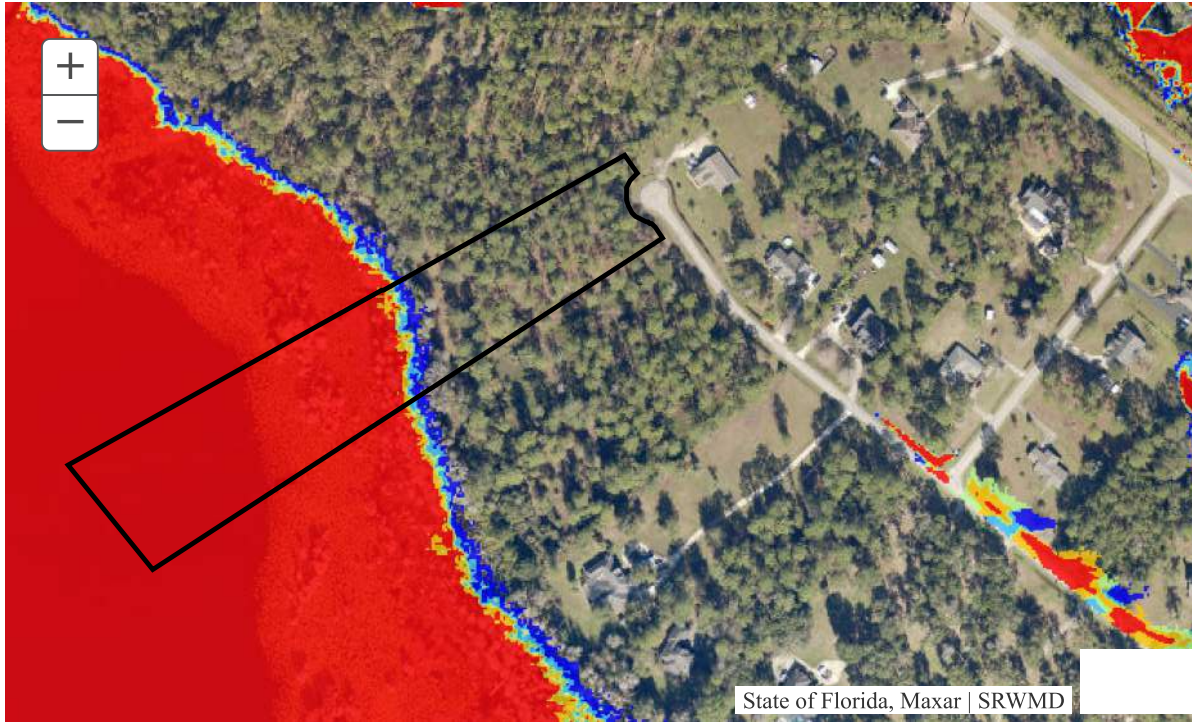
Watershed	Upper Suwannee	Map Effective Date	11/2/2018	Special Flood Hazard Area	Yes
FIRM Panel(s)	12023C0280D,12023C0283D				



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PERCENT CHANCE OF FLOODING OVER 30 YEAR PERIOD



Location Information

County: **COLUMBIA**
 Parcel: **233S1602272101**
 Flood Zone: **AH, X**
 Flood Risk: **HIGH**

Legend Percent Chance of Flooding Over 30 Year Period



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 Know your risk.

Supplemental Information

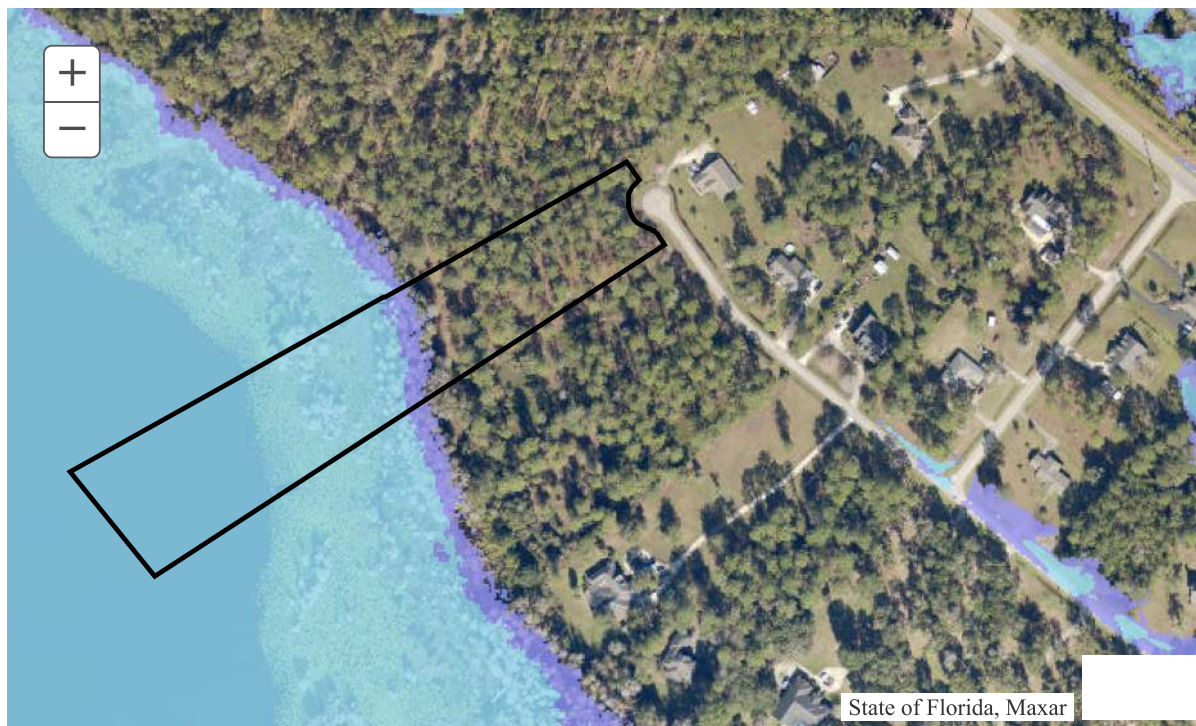
Watershed	Upper Suwannee	Map Effective Date	11/2/2018	Special Flood Hazard Area	Yes
FIRM Panel(s)	12023C0280D,12023C0283D				



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ANNUAL PERCENT CHANCE OF FLOODING



Location Information

County: **COLUMBIA**
 Parcel: **233S1602272101**
 Flood Zone: **AH, X**
 Flood Risk: **HIGH**

Legend Percent Annual Chance of Flooding



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

Supplemental Information

Watershed	Upper Suwannee	Map Effective Date	11/2/2018	Special Flood Hazard Area	Yes
FIRM Panel(s)	12023C0280D, 12023C0283D				



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

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.

A

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.

AH

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.

VE

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.

X

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.

LINKS FEMA:

<http://www.fema.gov>

SRWMD:

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

CONTACT

SRWMD
9225 County Road 49
Live Oak, FL 32060

(386) 362-1001

Toll Free:
(800) 226-1066