

CAROL CHADWICK, P.E.

Civil Engineer

1208 S.W. Fairfax Glen

Lake City, FL 32025

307.680.1772

ccpewyo@gmail.com

www.carolchadwickpe.com

November 12, 2022

Matthew Erking

Erking Construction Group

matthew1@erkinghomes.com

re: ELEVATION LETTER – 171 NW AMBLESIDE DRIVE, LAKE CITY, FL

As requested, I inspected the building site for the proposed construction at the above referenced site. The foundation had been staked at the time of the inspection. The photo was taken from Ambleside Drive looking northeast at the building site. Per the attached SRWMD Flood Report, there are no wetland or flood plains located on the site. The site drains to the southeast.



Per the Cobblestone, Unit 1 Plat, the minimum finished floor elevation is listed as 164.75'. Per the attached elevation certification by Mark D. Duren and Associates dated November 2, 2022, the average existing ground at the building site is 160.7' +/- and the top of the stem

wall is 162.10' and the centerline of NW Ambleside Drive in front of the home is 160.92'. The finished floor elevation of 162.10' is sufficient to protect the structure against water damage from a base flood event.

I certify that the existing 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,



Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A014
10D0000017EB6D
924CE0005954C,
cn=Carol
Chadwick
Date: 2022.11.12
20:42:23 -05'00'

Carol Chadwick, P.E.

attachments: SRWMD Flood Report, elevation certification by Mark D. Duren and Associates dated November 2, 2022

EFFECTIVE FLOOD INFORMATION REPORT



Location Information

County: **COLUMBIA**
 Parcel: **24-3S-16-02275-121**
 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	Upper Suwannee	Map Effective Date	11/2/2018	Special Flood Hazard Area	No
FIRM Panel(s)	12023C0283D				

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



www.srwmfloodreport.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>)

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

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

**Mark D. Duren and
Associates, Inc.**
Professional Surveyor and Mapper

1604 SW SISTERS WELCOME ROAD
Lake City, FL 32025
386-758-9831 Phone
386-758-8010 Fax
mddpsm@markduren.com
jldmddpsm@gmail.com

November 2, 2022

IE. 171 NW Ambelside field elevations

Carol Chadwick, PE,

The elevations of the centerline of the fronting street, ground adjacent to the foundation and the top of the stem walls are as follows:

Centerline of NW Ambleside Drive in front of the home = 161.73'(1929), 160.92'(1988).

Average ground elevation around the foundation = 161.0'(1929), 160.2'(1988).

Top of stem wall as constructed = 162.9'(NGVD 1929), 162.1'(NAVD 1988).

I hope this will provide enough data for the certification. Field work to obtain the elevations was completed October 31, 2022.


Mark D. Duren LS 4708

