

CAROL CHADWICK, P.E.

Civil Engineer

1208 S.W. Fairfax Glen

Lake City, FL 32025

307.680.1772

ccpewyo@gmail.com

www.carolchadwickpe.com

May 18, 2020

Mark Bauer

Gibraltar Contracting

gibraltarcontracting@gmail.com

re: ELEVATION LETTER – 218 S.W. GRANITE COURT, LAKE CITY, FL

As requested, I inspected the building site for the proposed construction at the above referenced site. The foundation location was cleared at the time of the inspection. The photo was taken from the southeast corner of the lot looking northwest. The topography of the property slopes to the west toward the stormwater basin at the back of the site. Per the SRWMD Flood Report, no FEMA flood zones are located on the property.



The minimum finished floor elevation for a structure constructed on the referenced site is 106.00. The elevation of the road adjacent to the site varies from 107.00 +/- to 106.00 +/- . The design maximum stage elevation of the top of the adjacent basin per plan is 103.8.

□

The existing ground elevation at building site is 105.0. The finished floor of the home will be at or below the nearest adjacent street.

A swale will be graded between the road and the home to prevent direct precipitation runoff from impacting the home.

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,

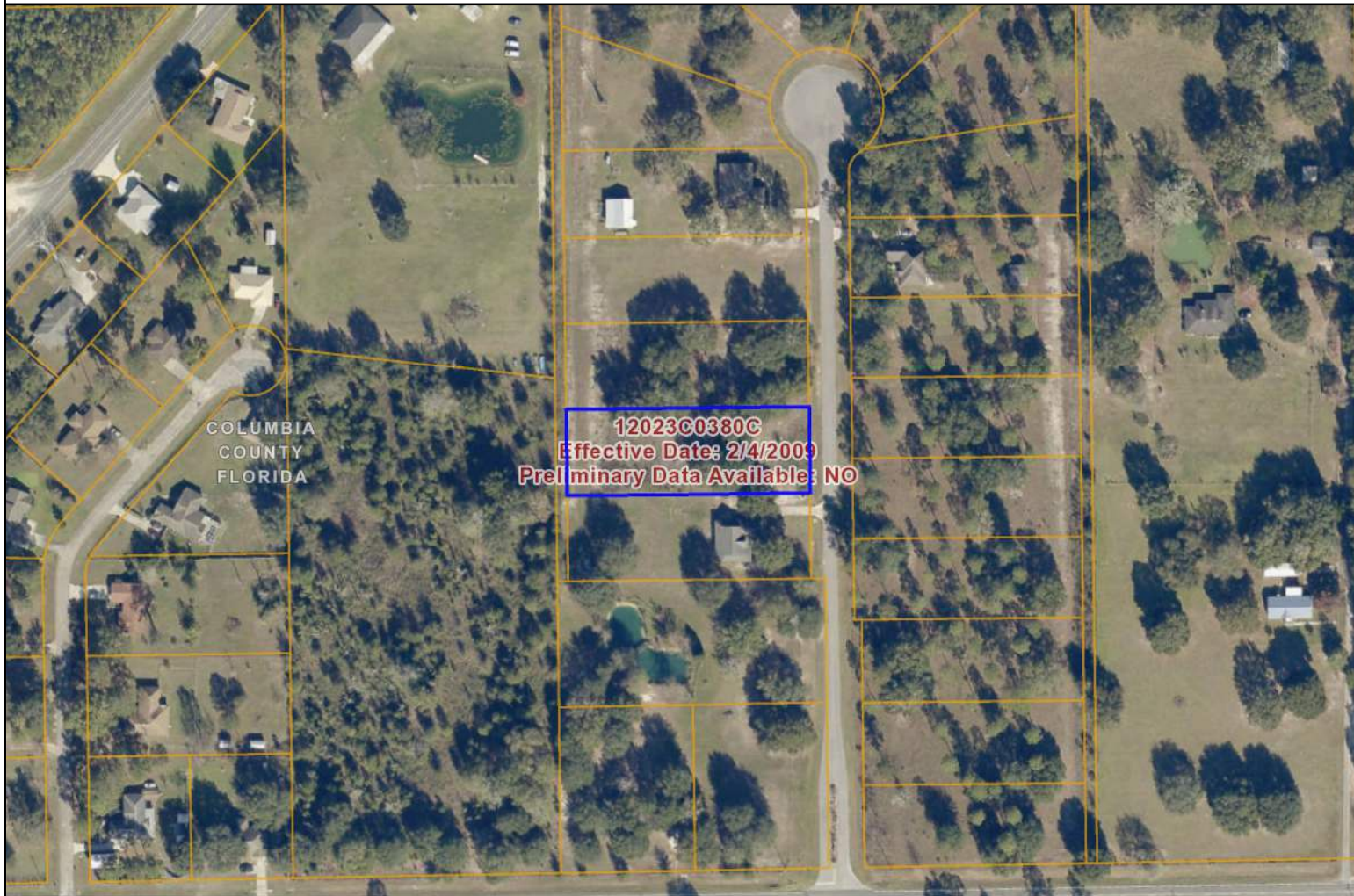


Carol Chadwick, PE
cn=Carol Chadwick, PE,
o=This item has been
electronically signed
and sealed by Carol
Chadwick, PE using a
digital signature., ou,
email=ccpewyo@gmail.
com, c=US
2020.05.18 19:03:29
-04'00'

Carol Chadwick, P.E.

attachments: SRWMD Flood Report, aerial with contours from Columbia County website

Suwannee River Water Management District Effective Flood Information Report



LOCATION

Date: 5-18-2020
Parcel: 21-4S-16-03081-218
County: COLUMBIA
STR: S021 T04 R16
 Columbia Flood Hazard Areas Status
 2/4/2009

FLOOD INFORMATION

Special Flood Hazard Area? (SFHA): No

Flood Zone(s):

Floodway: No

1% Annual Chance Flood Elev (BFE): Not Applicable

10% Annual Chance Flood Elev: Not Applicable


50% Annual Chance Flood Elev: Not Applicable

Note: Elevations are based on NAVD88

FIRM Panel(s): 12023C0380C

Effective Flood Zones described on
Page 2

 SFHA - AE w/Floodway

 SFHA - Zones AE, AH, AO

 SFHA - Zone VE


 SFHA - Zone A

 0.2% (shaded X)

 Wetlands

 FIRM Panel

 State Lands

 Counties

 SRWMD

 Parcels

 Depressions

 BFE

 Cross Sections

The Federal Emergency Management Agency (FEMA) maintains information about map features, such as street locations and names, in or near designated flood hazard areas. The information herein represents the best available data as of the effective date shown. The applicable Flood Insurance Study and a Digital Flood Insurance Rate Map is available online (<http://www.srwmdfloodreport.com>). To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to also consult the FEMA Map Service Center at 1-800-358-9616 (<http://www.msc.fema.gov>) for information on available products associated with this FIRM panel. Available products from the Map Service Center may include previously issued Letters of Map Change. Requests to revise flood information in or near designated flood hazard areas may be provided to FEMA during the community review period on preliminary maps, or through the Letter of Map Change process for effective maps.

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



100.0

SW GRANITE CT

105.0

SW WARREN CT

SW ROYAL CT

SW COUNTY ROAD 242