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September 22, 2020

Chris Cox

Cornerstone Developers

386.292.2076

chris@hplumbing.net

re: ELEVATION LETTER – 315 SE LINDALE GLEN, LAKE CITY, FL

As requested, I inspected the building site for the proposed construction at the above referenced site. The foundation location was staked 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 southeast. Per the SRWMD Flood Report, the north end of the lot is in Zone A. No BFE has been assigned to this flood way. The 35' buffer is shown on the attached survey by Britt Surveying & Mapping dated 12/13/19. The front of the home will be constructed at the front 20' setback line to maximize distance from the floodway.



The minimum finished floor elevation for a structure constructed on the referenced site is 119.00. The elevation of the road adjacent to the site varies between 121.00 +/- and 118.00 +/- . The existing ground elevation at building site is 118.0. The finished floor of the home will be at or below the nearest adjacent street. The edge of Zone A is at elevation 115.0 +/- and the flowline of the drainage is 110.0 +/- . Elevation were determined from the Lidar elevations on the Columbia County website.

A swale will be graded between the road and the home to prevent direct precipitation runoff from impacting the home. The concrete driveway will be constructed with a swale to prevent precipitation from reaching the garage.

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@gma
il.com, c=US
2020.09.22 14:44:06
-04'00'

Carol Chadwick, P.E.

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

Suwannee River Water Management District Effective Flood Information Report



LOCATION

Date: 8-13-2020

Parcel: 03-4S-17-07486-110

County: COLUMBIA

STR: S003 T04 R17

Columbia Flood Hazard Areas Status
Effective: 02/04/2009

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):

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:

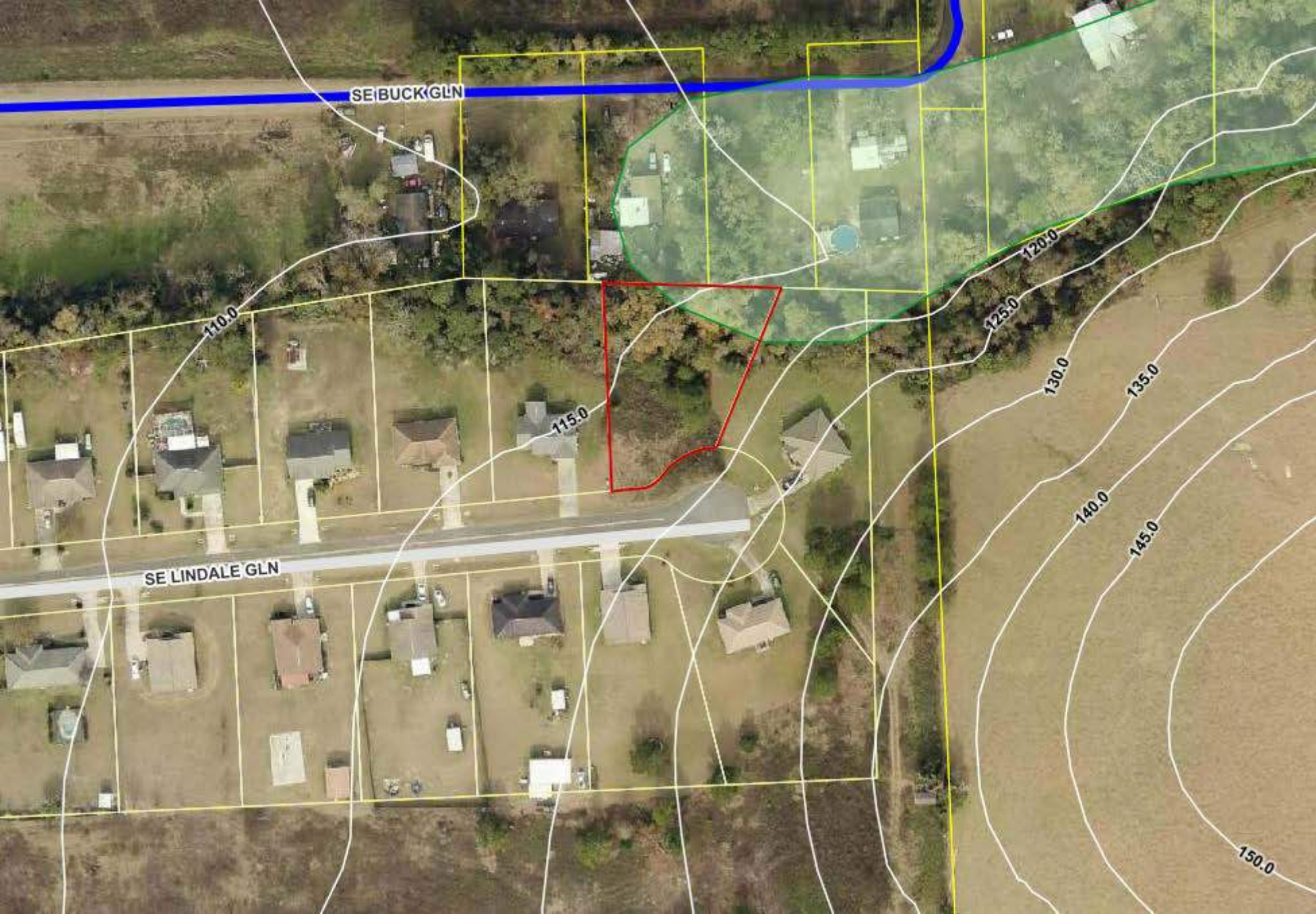
<http://www.srwmd.state.fl.us>

CONTACT

SRWMD
9225 County Road 49
Live Oak, FL 32060

(386) 362-1001

Toll Free:
(800) 226-1066



BOUNDARY SURVEY IN SECTION 3, TOWNSHIP 4 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

SYMBOL LEGEND:

■ 4"x4" CONCRETE MONUMENT FOUND	⊕ CENTERLINE
□ 4"x4" CONCRETE MONUMENT SET	—E— ELECTRIC LINES
● IRON PIPE FOUND	—X— WIRE FENCE
○ IRON PIN AND CAP SET	—○— CHAIN LINK FENCE
* "X" CUT IN PAVEMENT	—□— WOODEN FENCE
⊕ CALCULATED PROPERTY CORNER	—·— SECTION LINE
⊙ NAIL & DISK	(PLAT) AS PER A PLAT OF RECORD
⊕ POWER POLE	(DEED) AS PER A DEED OF RECORD
▲ WATER METER	(CALC.) AS PER CALCULATIONS
⊙ UTILITY BOX	(FIELD) AS PER FIELD MEASUREMENTS
* WELL	P.R.M. PERMANENT REFERENCE MARKER
⊕ SANITARY MANHOLE	P.C.P. PERMANENT CONTROL POINT
+	SIGN POST

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	30.00'	48°06'24"	25.19'	13.39'	24.46'	S.61°00'35"W.
PLAT	30.00'	48°11'23"	25.23'	13.42'	24.49'	S.61°05'02"W.
2	60.00'	52°58'48"	55.48'	29.90'	53.52'	N.63°34'15"E.
PLAT	60.00'	52°59'41"	55.50'	29.91'	53.54'	N.63°29'11"E.

DESCRIPTION:
LOT 10 OF HAIGHT ASHBURY AS PER THE PLAT THEREOF RECORDED IN PLAT BOOK 7, PAGE(S)
185 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD AND THE NORTH LINE OF SAID LOT 10.
3. IT IS APPARENT THAT SOME PORTIONS OF THIS PARCEL ARE IN ZONE "A" AND MAY BE SUBJECT TO FLOODING. HOWEVER, NO BASE FLOOD ELEVATION HAS BEEN DETERMINED FOR ZONE "A" AS PER FLOOD INSURANCE RATE MAP, DATED 2 NOVEMBER, 2018 FIRM PANEL NO. 12023C0311D. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF.
8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
9. THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREON IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED.

CERTIFIED TO:
CORNERSTONE DEVELOPMENT

FIELD BOOK: SEE PAGE(S): FILE

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.023, FLORIDA STATUTES.

12/12/19 12/13/19
FIELD SURVEY DATE DRAWING DATE

NOTE: UNLESS IT BEARS THE ORIGINAL SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING
& MAPPING, LLC



LAND SURVEYORS AND MAPPERS, L.B. # 8016

2086 SW MAIN BLVD, SUITE 112, LAKE CITY, FLORIDA 32025

(386)752-7163 FAX (386)752-5573

www.brittsurveying.com

WORK ORDER # L-26235