



Crews Engineering Services, LLC
349 SW Crews Farm Ter
Lake City, FL 32025
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ZERO RISE ANALYSIS AND CERTIFICATION 100 YEAR BASE FLOOD

PROJECT DATA

PARCEL ID: 01-7S15-01439-733 and 01-7S15-01439-734

PROPERTY DESCRIPTION: Lots 3 and 4, Block 9 Wilson Springs Community Phase 4, Columbia County, FL

OWNER: Luis and Anita Caputo

PROJECT DESCRIPTION: 24'x44' mobile home, located +/-180' from NW SW Lizard Dr. See Site Plan (included)

FLOOD ZONE: AE

BASE FLOOD ELEVATION: 34.4 Based on SRWMD Effective Flood Report (included)

EXISTING GRADE ELEVATION (AT BUILDING LOCATION):

+/-33.5, Based on Survey provided by Wesley M. Rabon Surveyor and Mapper

CONCLUSION

To demonstrate the proposed improvements, as described above and on the included Site Plan, will not increase to Base flood elevation, the following reasoning is provided:

Project qualifies for a SRWMD Noticed General Works of the District Permit:

Structures or fill which are obstructions to flow of less than or equal to 100 square feet of the cross-sectional area of the floodway which are located outside of the 75 foot setback

Depth of Lot below Flood Elevation = $34.4 \text{ ft} - 33.5 \text{ ft} = 1 \text{ ft}$

Width of Obstruction (Perpendicular to Flow) = $1 \text{ ft} \times 50 \text{ ft} = 50 \text{ sf}$

This is a conservative calculation for the following reasons:

1. Average Depth below Base Flood Elevation is less than 1'
2. Structure is assumed solid though required to leave area under structure open to floodway.
3. Width of obstruction used is 50' though actual width is less.

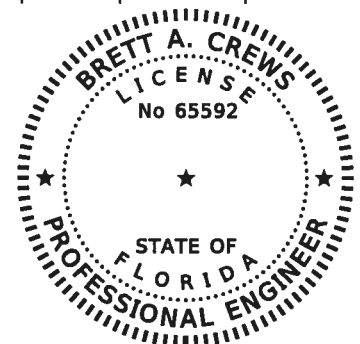
Projects qualifying for a Noticed General Works of the District Permit, are not required to provide step-backwater calculations to demonstrate a zero-rise due to the proposed improvements.

CERTIFICATION

I hereby certify that, to the best of my knowledge, it can be reasonably assured construction of the project as described above and shown on the included Site Plan will not increase the Base Flood Elevation at the project location.

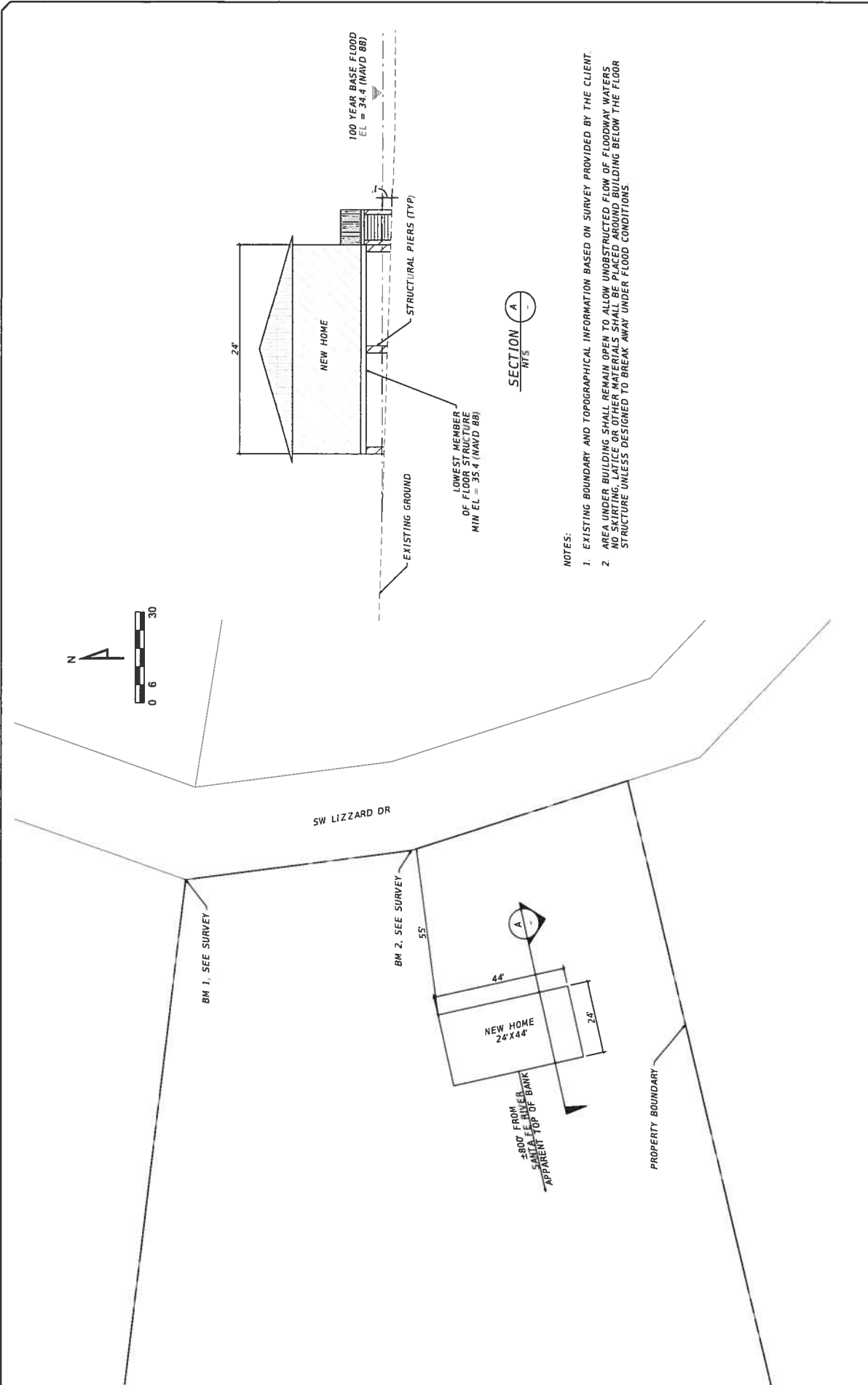
ATTACHEMENTS

SRWMD Effective Flood Report, Site Plan, Survey
Ownership Information (Columbia County Property Appraiser)



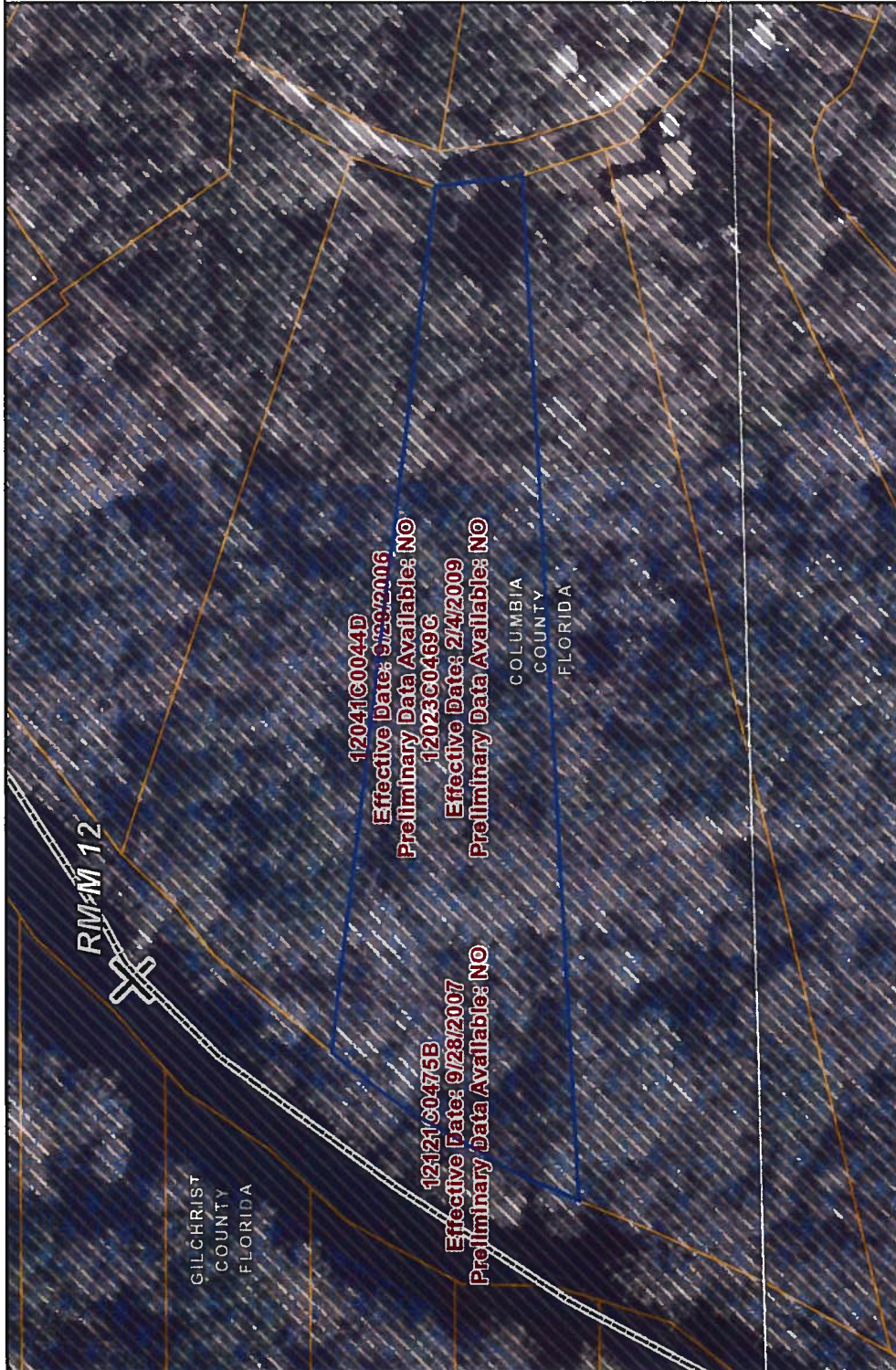
Brett A. Crews  Digitally signed by Brett A. Crews
Date: 2019.07.23 10:16:46-04'00'

Brett A. Crews, PE No. 65592



DATE	REVISIONS	CERTIFICATE OF AUTHORIZATION NO. 28022 348 SW CREWS FARM TERRACE LAKE CITY, FL 32025 PHONE: 386.623.4303	CAPUTO RIVER LOT	SITE PLAN	SHEET
	DESCRIPTION		CES PROJECT NO.: 2019-006		SIT 1
		CES Crews Engineering Services, LLC	Brett A. Crews, P.E. 65592		

Suwannee River Water Management District Effective Flood Information Report



LOCATION

Date: 7-14-2019
Parcel: 01-7S-15-01439-733
County: COLUMBIA
STR: S001 T07 R15
 Columbia Flood Hazard Areas Status
 2/4/2009

FLOOD INFORMATION

Special Flood Hazard Area? (SFHA): Yes
Flood Zone(s): AE FW
Floodway: Yes
1% Annual Chance Flood Elev (BFE): 34.4 (feet)
10% Annual Chance Flood Elev: 28.4 (feet)
50% Annual Chance Flood Elev: 22.9 (feet)

Note: Elevations are based on NAVD88

FIRM Panel(s): 12023C0469C

Effective Flood Zones described on Page 2

	SFHA - AE w/Floodway		SFHA - Zone VE		Wetlands		Counties		Depressions
	SFHA - Zones AE, AH, AO		SFHA - Zone A		FIRM Panel		SRWMD		BFE
	0.2% (shaded X)		State Lands		Parcels		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.



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

PARCEL: 01-7S-15-01439-733 | MISC RES (000700) | 2.8 AC
 COMM AT THE NE COR OF SE 1/4 OF SEC, RUN W 33.01 FT TO A POINT ON THE W LINE OF WILSON SPRINGS RD, N 32.85 FT, SW 1279.65 FT, S 321.03 FT, SW 94.18 FT

CAPUTO LOUIS S &
 Owner: ANITA CAPUTO
 589 BOYD DRIVE
 KEY LARGO, FL 33037

Site:
 Sales 12/11/2017 \$35,000 V(Q)
 Info 2/27/2015 \$31,300 V(Q)
 4/29/2010 \$25,000 V(Q)

2018 Certified Values			
Mkt Lnd	\$18,626	Appraised	\$18,826
Ag Lnd	\$0	Assessed	\$18,826
Bldg	\$0	Exempt	\$0
XFOB	\$200		
Just	\$18,826	Total	county:\$17,114
		Taxable	city:\$17,114
			other:\$17,114
			school:\$18,826

NOTES:



Columbia County, FL

This information, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office.

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

PARCEL: 01-7S-15-01439-734 | VACANT (000000) | 3.6 AC

(AKA LOT 4, BLOCK 9, WILSON SPRINGS COMMUNITY PHASE 4 UNR) COMM AT NE COR OF SE1/4 OF SEC RUN W 33.01 FT TO W R/W OF WILSONS SPRINGS RD, N ALONG R/W 3

CAPUTO LOUIS S &

Owner: ANITA CAPUTO
589 BOYD DRIVE
KEY LARGO, FL 33037

Site: 158 LIZARD DR,

Sales Info: 12/11/2017 \$35,000 V(Q)
2/27/2015 \$31,300 V(Q)
5/22/2008 \$25,000 V(U)

2018 Certified Values

Mkt Lnd	\$16,126	Appraised	\$16,126
Ag Lnd	\$0	Assessed	\$16,126
Bldg	\$0	Exempt	\$0
XFOB	\$0		
Just	\$16,126	Total	county:\$16,126
		Taxable	city:\$16,126
			other:\$16,126
			school:\$16,126

NOTES:



Columbia County, FL

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