## CAROL CHADWICK, P.E.

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August 25, 2021

Mr. David Flynn 188 SW River Rise Court Fort White, FL 352.514.3849 davfly@me.com

### re: ELEVATION LETTER - 188 SW RIVER RISE COURT, FORT WHITE, FL

As requested, I inspected the building site for the proposed construction at the above referenced site. The proposed location of the foundation had been excavated. Per the attached SRWMD flood report, the site is not in a flood plain and no wetlands are present. The site naturally drains to the east. The photo I show the building site looking north and photo 2 looking south from the building site to the driveway.





Photo I

Photo 2

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Based on the LIDAR on the Columbia County website, the existing road centerline elevation of SW US Highway 27 varies from 70.8 +/- and 67.0 +/-. The minimum finished floor elevation of the structure will be 61.00. The finished floor of the home will 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.

Attachment: SRWMD Flood Report, Aerial & Boundary Survey



# **EFFECTIVE FLOOD INFORMATION REPORT**



Location Information							
County:	COLUMBIA						
Parcel:	18-7S-17-10021-016						
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	Siles	Wetlands			
	1% Flood - Zone AE (High Risk)	(//)	SFHA Decrease	Ċ	County Boundaries			Anywhere it can rain, it can flood Know your risk.		
	1% Flood - Zone A (HighRisk)	[]]]	SFHA Increase		FIRM Panel Index					
////	1% Flood - Zone VE (HighRisk)		Depressions		Parcels				www.srwmdfloodreport.com	
	0.2% Flood-Shaded Zone X (Moderate Risk)	$\sim$	BaseFlood Elevations (BFE)	×	River Marks					
Supplemental Information							HIVER			
Waters	shed Santa Fe		Map Effective Date	2/4/200	99 Special Flood Ha Area	azard	No	AANAGEMENT DIS		
FIRM 12023C0495C,12023C05 Panel(s)		C0531C								

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. 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.

## Α

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.

## Χ

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 LEGAL DESCRIPTION A TRACT OF LAND SITUATED IN SECTION 13, TOWNSHIP 7 SOUTH, RANGE 16 EAST, AND SECTION 18, TOWNSHIP 7 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A CONCRETE MONUMENT AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 18, TOWNSHIP 7 SOUTH, RANGE 17 EAST FOR THE POINT OF REFERENCE AND RUN SOUTH 88'00'29" WEST, ALONG THE SOUTH LINE OF SAID SECTION 18, A DISTANCE OF 2641.60 FEET TO A CONCRETE MONUMENT AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 18; THENCE RUN NORTH 01'30'02" WEST, ALONG THE EAST LINE OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, A DISTANCE OF 210.00 FEET TO A CONCRETE MONUMENT AT THE NORTHEAST CORNER OF THE SOUTH 210 FEET OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4; THENCE RUN SOUTH 88'00'29" WEST, ALONG THE NORTH LINE OF SAID SOUTH 210 FEET, A DISTANCE OF 166.33 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 45'01'45" WEST, A DISTANCE OF 1918.64 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING; THENCE CONTINUE NORTH 45'01'45" WEST, A DISTANCE OF 715.98 FEET TO A STEEL ROD AND CAP; THENCE RUN SOUTH 44'58'15" WEST, A DISTANCE OF 780.00 FEET TO A STEEL ROD AND CAP ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 20 (A.K.A. U.S. HIGHWAY NO. 27); THENCE RUN SOUTH 45'01'45" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 45'01'45" FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF THE TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 66'09'33" EAST, A DISTANCE OF 132.36 FEET TO THE TRUE P

SUBJECT TO AN EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES OVER, UNDER AND ACROSS A 40 FOOT WIDE STRIP OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A CONCRETE MONUMENT AT THE SOUTHEAST CORNER OF THE AFOREMENTIONED SECTION 18, TOWNSHIP 7 SOUTH, RANGE 17 EAST FOR THE POINT OF REFERENCE AND RUN SOUTH 88'00'29" WEST, ALONG THE SOUTH LINE OF SAID SECTION 18, A DISTANCE OF 2641.60 FEFT TO A CONCRETE MONUMENT AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SAID SECTION 18; THENCE RUN NORTH 01'30'02" WEST ALONG THE EAST LINE OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, A DISTANCE OF 210.00 FEET TO A CONCRETE MONUMENT AT THE NORTHEAST CORNER OF THE SOUTH 210 FEET OF SAID SOUTHEAST 1/4 OF THE SOUTHWEST 1/4; THENCE RUN SOUTH 88'00'29" WEST ALONG THE NORTH LINE OF SAID SOUTH 210 FEET, A DISTANCE OF 166.33 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 45'01'45" WEST, A DISTANCE OF 1918.64 FEET TO A STEEL ROD AND CAP AND THE TRUE POINT OF BEGINNING: THENCE CONTINUE NORTH 45'01'45" WEST, A DISTANCE OF 42.90 FEET TO A STEEL ROD AND CAP; THENCE RUN SOUTH 66'09'33" WEST, A DISTANCE OF 125.05 FEET TO A STEEL ROD AND CAP; THENCE RUN SOUTH 43'00'24" WEST A DISTANCE OF 103.67 FEET TO A STEEL ROD AND CAP; THENCE RUN SOUTH 35'39'43" WEST, A DISTANCE OF 567.27 FEET TO A STEEL ROD AND CAP ON THE EASTERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY 27 (A.K.A. STATE ROAD NO. 20); THENCE RUN SOUTH 45"01'45" EAST, ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 40.53 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 35'39'43" EAST, A DISTANCE OF 571.26 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 43'00'24" EAST, A DISTANCE OF 92.91 FEET TO A STEEL ROD AND CAP; THENCE RUN NORTH 66'09'33" EAST, A DISTANCE OF 132.36 FEET TO THE TRUE POINT OF BEGINNING.

> SURVEYOR'S NOTES: 1. THE BEARINGS SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS PROJECTED FROM A RECORD BEARING OF

SOUTH 45'01'45" EAST, ALONG THE SOUTHWESTERLY LINE OF THE SUBJECT PARCEL. 2. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH. S. H. C.S.

3. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.

4. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.

