



Columbia County, FL. Building & Zoning New Residential Construction Permit #000039374



OWNER: DAVIS ELAINE R (BOONE)

PHONE: 365-3956

DATE ISSUED: March 02, 2020

PARCEL ID: 00-00-00-00626-029

ADDRESS:

1052 SW SANTA FE DR
FORT WHITE, FL 32038

ACRES: 0.60

SUBDIVISION: THREE RIVERS ESTATES

LOT: 29

BLK:

PHASE:

UNIT: 5

ZONING: ENVIRONMENTALLY SENSITIVE FLOOD ZONE: AE
AREAS -1 ESA-2

Latitude: 29.927736

Longitude: -82.779194

CONTRACTOR

NAME: DAVIS ELAINE R

ADDRESS:
1052 SW SANTA FE DR FORT
WHITE, FL 32038

PHONE:

BUSINESS:

LICENSE: -

PROJECT DETAILS

SWANNEE RIVER WATER MANAGEMENT DISTRICT PERMIT REC'D, EXISTING STRUCTURE BROUGHT INTO COMPLIANCE,
MINIMUM FINISHED FLOOR ELEVATION 34.6', NEED FINISHED CONSTRUCTION ELEVATION CERTIFICATE INCLUDING ALL MACHINERY AT PERMANENT POWER.

IS THIS REPLACING AN EXISTING HOME?:

Yes

THIS IS THE CONSTRUCTION OF A:

Single Family Dwelling

HEATED AREA (SQFT):

916

TOTAL AREA (SQFT):

1530

STORIES:

1

BUILDING HEIGHT:

26

BUILDING CODE CONSTRUCTION TYPE:

V

BUILDING CODE ELEMENT:

B

BUILDING CODE OCCUPANCY TYPES:

Residential

OCCUPANCY USE TITLE:

SINGLE FAMILY DWELLING

SETBACKS FRONT:

30

SETBACK SIDE 1:

10

SETBACK SIDE 2:

10

SETBACKS REAR:

35 OFF WETLAND

SEPTIC#:

19-0581

POWER COMPANY:

Clay Elec.

Notice: in addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county. The issuance of this permit does not waive compliance by permittee with deed restrictions.

Notice: all other applicable state or federal permits shall be obtained before commencement of this permitted development.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous inspection.

Zero
rise
cert.
New
Site plan

Columbia County New Building Permit Application

For Office Use Only Application # 44434 Date Received 1/29 By MG Permit # 39374
Zoning Official MG Date 3-2-20 Flood Zone _____ Land Use _____ Zoning _____
FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner TC Date 3-2-20
Comments See Computer Notes
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
☒ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 19-0581 OR City Water ☐ CA Boone Fax _____
Applicant (Who will sign/pickup the permit) Elaine Davis Boone Phone 386-365-3956
Address 879 SW Brim St Lake City FL 32024
Owners Name Elaine Davis (Boone) Phone 365-3956
911 Address 1052 SW Santa Fe Drive Lake City FL Ft. White FL 32038
Contractors Name Owner Phone _____
Address _____

Contractor Email _____ ***Include to get updates on this job.

Fee Simple Owner Name & Address Elaine Davis (Boone)

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Christopher Dickson, PE 64766, 4037 SE CR 252 LC, FL 32025

Mortgage Lenders Name & Address N/A

Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 00626-029 Estimated Construction Cost \$60,000.00

Subdivision Name Three Rivers Estates Lot 29 Block _____ Unit 5 Phase _____

Driving Directions from a Major Road 47 S, Right 27 to Riverside (Left) Just before
Ichetucknee River, Left on Utah, Right on Washington, Left on Santa Fe
Dr., Go 1 mile on Right

Construction of House Commercial OR ☒ Residential

Proposed Use/Occupancy _____ Number of Existing Dwellings on Property _____

Is the Building Fire Sprinkled? No If Yes, blueprints included _____ Or Explain _____

Circle Proposed ☐ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☒ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50.9 Side 10.7 Side 60 Rear 80

Number of Stories 1 Heated Floor Area 916 Total Floor Area 1530 Acreage _____

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) _____

Columbia County Building Permit Application

CODE: Florida Building Code 2017 and the 2014 National Electrical Code.

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Elaine Davis (Boone)

Print Owners Name

Elaine Davis Boone

Owners Signature

****Property owners must sign here
before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature

Contractor's License Number _____

Columbia County

Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this _____ day of _____ 20____.

Personally known ☐ or Produced Identification _____

SEAL:

State of Florida Notary Signature (For the Contractor)

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

00626-029

Clerk's Office Stamp

Inst: 202012002295 Date: 01/29/2020 Time: 9:59AM
Page 1 of 1 B: 1404 P: 1274, P. DeWitt Cason, Clerk of Court
Columbia, County, By: PT
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 29 Unit 5 Three Rivers Estates
a) Street (job) Address: 1052 SW Santa R. Drive Fort White FL 32038
2. General description of improvements: Residential Construction
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
a) Name and address: Elaine Davis (Boone) C. A. Boone
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property: Owner
4. Contractor Information
a) Name and address: Self N/A
b) Telephone No.: _____
5. Surety Information (if applicable, a copy of the payment bond is attached):
a) Name and address: _____
b) Amount of Bond: N/A
c) Telephone No.: _____
6. Lender
a) Name and address: N/A
b) Phone No.: _____
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
a) Name and address: N/A
b) Telephone No.: _____
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name: _____ OF _____
b) Telephone No.: N/A
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Elaine Davis Boone
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager
Elaine Davis Boone
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 29th day of January 2020 by:
Elaine Davis Boone _____ for _____
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature

Sherry Font

Notary Stamp



Record Search

Search Results

Parcel Details

GIS Map

**2020 Working Values**

updated: 1/6/2020

Retrieve Tax Record

2019 TRIM (pdf)

Property Card

Parcel List Generator

Show on GIS Map

Print

Parcel: << 00-00-00-00626-029 >>

Aerial Viewer

Pictometry

Google Maps

Owner & Property Info

Result: 1 of 1

Owner	DAVIS ELAINE R 879 SW BRIM ST LAKE CITY, FL 32024		
Site			
Description*	LOT 29 UNIT 5 THREE RIVERS ESTATES. 862-705, 880-2230, 887-235, 911-397, 918-133, WD 1161-2145, WD 1325-2531,		
Area	0.6 AC	S/T/R	26-6S-15
Use Code**	MISC RES (000700)	Tax District	3

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (2)	\$20,800	Mkt Land (2)	\$20,800
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (2)	\$1,480	XFOB (2)	\$1,480
Just	\$22,280	Just	\$22,280
Class	\$0	Class	\$0
Appraised	\$22,280	Appraised	\$22,280
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$22,280	Assessed	\$22,280
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$22,280 city:\$22,280 other:\$22,280 school:\$22,280	Total Taxable	county:\$22,280 city:\$22,280 other:\$22,280 school:\$22,280

**▼ Sales History**

Show Similar Sales within 1/2 mile

Fill out Sales Questionnaire

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
11/17/2016	\$100	1325/2531	WD	I	U	11
11/17/2008	\$1,000	1161/2145	WD	I	U	01
9/9/2000	\$100	911/0397	WD	V	U	01
8/21/1999	\$11,000	887/0235	AG	V	Q	
5/19/1999	\$100	880/2230	WD	V	U	01
7/6/1998	\$15,000	862/0705	WD	V	U	02 (Multi-Parcel Sale) - show

▼ Building Characteristics

FL North NAD83 | by 2511179.6359, 0344007.4858 | DMS 82°47'12.8W, 29°56'05.9N | DD -82.7863, 29.9350 | Bldg Value by:

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44434 JOB NAME _____

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
MECHANICAL/A/C <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
PLUMBING/GAS <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
ROOFING <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SHEET METAL <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
FIRE SYSTEM/SPRINKLER <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SOLAR <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
STATE SPECIALTY <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 19-0501
DATE PAID: 8/1/19
FEE PAID: 60.00
RECEIPT #: 142672

APPLICATION FOR:

☐ New System ☒ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Elaine Davis BooneAGENT: Elaine Davis BooneTELEPHONE: 386-365-3956MAILING ADDRESS: 879 SW Brim St Lake City FL 32024

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 29 BLOCK: SUBDIVISION: 3 Rivers U-5 PLATTED: 10/8/76PROPERTY ID #: 00626-029 ZONING: I/M OR EQUIVALENT: ☐ Y / ☐ N]PROPERTY SIZE: 0.55 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☐] ≤2000GPD ☐] >2000GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y / ☐ N] DISTANCE TO SEWER: FTPROPERTY ADDRESS: 1052 SW Santa Fe Drive Fort White FL 32038DIRECTIONS TO PROPERTY:

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SFR	2	916	ORIGINAL ATTACHED
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) SIGNATURE: Elaine Davis BooneDATE: 7.31.19



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION INSPECTION AND FINAL APPROVAL

APPLICATION #: **AP905028**PERMIT #: **12-SC-964375**DOCUMENT #: **FI 755211**DATE PAID: **02/11/2009**FEE PAID: **200.00**RECEIPT #: **12-BID-1093016**APPLICANT: **ELAINE**08-0771 DAVIS**AGENT: **ROCKY FORD (A&B CONSTRUCTION)**PROPERTY ADDRESS: **SW SANTA FE Dr Fort White, FL 32036**LOT: **29**

BLOCK:

SUBDIVISION: **3 RIVERS U-5**ID#: **00626-029**

CHECKED [X] ITEMS ARE NOT IN COMPLIANCE WITH STATUTE OR RULE AND MUST BE CORRECTED.

TANK INSTALLATION		SETBACKS	
[]	[01] TANK SIZE [1] <u>90</u> [2] <u>1050</u>	[]	[27] SURFACE WATER <u>7100</u> FT
[]	[02] TANK MATERIAL <u>PRE-CAST</u>	[]	[28] DITCHES <u>67</u> FT
[]	[03] OUTLET DEVICE <u>N/A</u>	[]	[29] PRIVATE WELLS <u>88</u> FT
[]	[04] MULTI-CHAMBERED [] <u>(10 / N)</u>	[]	[30] PUBLIC WELLS <u>N/A</u> FT
[]	[05] OUTLET FILTER <u>N/A</u>	[]	[31] IRRIGATION WELLS <u>N/A</u> FT
[]	[06] LEGEND 1. <u>71107090C 3</u> 2. <u>109-630-100C3</u>	[]	[32] POTABLE WATER <u>5</u> FT
[]	[07] WATERTIGHT	[]	[33] BUILDING FOUNDATIONS <u>5</u> FT
[]	[08] LEVEL	[]	[34] PROPERTY LINES <u>10</u> FT
[]	[09] DEPTH TO LID	[]	[35] OTHER <u>N/A</u> FT
DRAINFIELD INSTALLATION		FILLED / MOUND SYSTEM	
[]	[10] AREA [1] <u>340</u> [2] <u>SQFT</u>	[]	[36] DRAINFIELD COVER
[]	[11] DISTRIBUTION BOX <u>HEADER</u> <u>X</u>	[]	[37] SHOULDERS
[]	[12] NUMBER OF DRAINLINES 1. <u>5</u> 2. <u>34 EACH</u>	[]	[38] SLOPES <u>N/A</u> <u>FIN 26"</u>
[]	[13] DRAINLINE SEPARATION <u>5</u>	[]	[39] STABILIZATION
[]	[14] DRAINLINE SLOPE <u>10:1</u>	ADDITIONAL INFORMATION	
[]	[15] DEPTH OF COVER	[]	[40] UNOBSTRUCTED AREA
[]	[16] ELEVATION [] ABOVE / BELOW <u>BM 29.5</u>	[]	[41] STORMWATER RUNOFF
[]	[17] SYSTEM LOCATION	[]	[42] ALARMS <u>ORANGE CONTROL PANEL</u>
[]	[18] DOSING PUMPS <u>MTS 1/2 hp HIGH VOL</u>	[]	[43] MAINTENANCE AGREEMENT <u>N/A</u>
[]	[19] AGGREGATE SIZE <u>3/4"</u>	[]	[44] BUILDING AREA
[]	[20] AGGREGATE EXCESSIVE FINES <u>N/A</u>	[]	[45] LOCATION CONFORMS WITH SITE PLAN
[]	[21] AGGREGATE DEPTH	[]	[46] FINAL SITE GRADING
FILL / EXCAVATION MATERIAL		[]	[47] CONTRACTOR <u>A+B (7/22) 3:00</u>
[]	[22] FILL AMOUNT <u>2"</u>	[]	[48] OTHER <u>FAST SYSTEM</u>
[]	[23] FILL TEXTURE <u>KS</u>	ABANDONMENT	
[]	[24] EXCAVATION DEPTH <u>N/A</u>	[]	[49] TANK PUMPED <u>3/4"</u>
[]	[25] AREA REPLACED	[]	[50] TANK CRUSHED & FILLED <u>3/4"</u>
[]	[26] REPLACEMENT MATERIAL		

Comments:

NO ADDITIONAL OFF-SITE ACQUISITION

CONSTRUCTION [] APPROVED / DISAPPROVED [] DATE: 7/22/19

FINAL SYSTEM [] APPROVED / DISAPPROVED [] DATE: 8/3/19

(Explanation of Violations on following page)


DH 4016, 10/97 (Previous Editions May Be Used)

EH Database v 1.0.1

AP905028

EID964375

Page 2 of 3

	STATE OF FLORIDA	PERMIT NO. 08-0771-N
	DEPARTMENT OF HEALTH	DATE PAID: 12-15-08
	ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM	FEE PAID: 328.00
	APPLICATION FOR CONSTRUCTION PERMIT	RECEIPT #: 12-PID-1098295
U:\Wastewater\WW Permitting\Hamm - A&B\Hamm Ft White 4015.DOC		

APPLICATION FOR: **Engineered - ATU**

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐ Other:

APPLICANT: Elaine R. Davis & Johnny M. Hamm

ENGINEER: Mark D. Repasky, PE 0036872

TELEPHONE: 850-251-7743

AGENT: Rocky Ford

TELEPHONE:

MAILING ADDRESS: 656-D Capital Circle NE, Tallahassee, Florida 32301

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PROPERTY INFORMATION

LOT: 29 BLOCK: SUBDIVISION: Three Rivers Estates, Unit 5 PLATTED: 1/1/1960

PROPERTY ID #: 00-00-00-00626-029 ZONING: Residential

PROPERTY SIZE: 0.574 ACRES

PROPERTY WATER SUPPLY: Private Well

IS SEWER AVAILABLE AS PER 381.0065, FS? [N]

DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: XXX SW Santa Fe Drive, Fort White, FL 32038

DIRECTIONS TO PROPERTY: 47 South, Right on Wilson Springs Road, Right on Newark, Left on Copperhead, Right on Central, Left on DOT, Right on Sante Fe Drive. Lot on Left just before 90 degree right turn.

BUILDING INFORMATION: Residential

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sft	# Persons Served	Business Activity For Commercial Only
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1	SFR	3	1,200		
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☐ Garbage Disposal☐ Spas/Hot Tubs☐ Floor/Equipment Drains☐ Ultra-low Volume Toilets☐ Other (Specify):

Held for
utility agreement.
rec'd 7-8-09 fl

SIGNATURE:

PE 36872

DATE: 01/29/09

MARK D. REPASKY, PE 0036872, 656-D CAPITAL CIRCLE NE, TALLAHASSEE, FLORIDA 32301
 DH 4015, 10/97 (Previous Editions May Be Used) Page 1 of 3



SUWANNEE RIVER WATER MANAGEMENT DISTRICT

9225 CR 49 • LIVE OAK, FLORIDA 32060 • TELEPHONE 386/362-1001 • 800/226-1066 • FAX 386/362-1056
mysuwanneeriver.com

January 22, 2020

Elaine R Davis
879 SW Brim St
Lake City, FL 32024

SUBJECT: Permit Number WOD-023-207182-2
Davis River Lot

Dear Elaine R Davis:

Enclosed is your Works of the District General Permit issued by the Suwannee River Water Management District on January 22, 2020. This permit is a legal document and should be kept with your other important documents. Permit issuance does not relieve you from the responsibility of obtaining any necessary permits from any federal, state, or local agencies for your project.

Noticing Your Permit:

For noticing instructions, please refer to the noticing materials in this package regarding closing the point of entry for someone to challenge the issuance of your permit. Please note that if a timely petition for administrative hearing is filed, your permit will become non-final and any activities that you choose to undertake pursuant to your permit will be at your own risk.

Compliance with Permit Conditions:

To submit your required permit compliance information, go to the District's website at <https://permitting.sjrwmd.com/srepermitting/jsp/start.jsp>. Click to sign-in to your existing account or to create a new account. Select the "Apply/Submit" tab, select "Submit Compliance Data", enter your permit number, and select "No Specific Date" for the Compliance Due Date Range. You will then be able to view all the compliance submittal requirements for your project. Select "the compliance item that you are ready to submit and then attach the appropriate information or form. The forms to comply with your permit conditions are available at floridaswater.com/permitting under the section "Handbooks, forms, fees, final orders". Click on forms to view all permit compliance forms, then scroll to the ERP application forms section and select the applicable compliance forms. Alternatively, if you have difficulty finding forms or need copies of the appropriate forms, please contact the Resource Management Division at (386) 362-1001.

Transferring Your Permit:

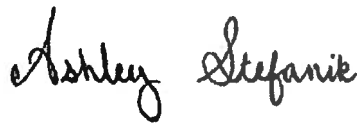
Your permit requires you to notify the District in writing within 30 days of any change in ownership or control of the project or activity covered by the permit, or within 30 days of any change in ownership or control of the real property on which the permitted project or activity is located or occurs. You will need to provide the District with the information specified in rule 62-

330.340, Florida Administrative Code (F.A.C.). Generally, this will require you to complete and submit Form 62-330.340(1), "Request to Transfer Permit".

Please note that a permittee is liable for compliance with the permit before the permit is transferred. The District, therefore, recommends that you request a permit transfer in advance in accordance with the applicable rules. You are encouraged to contact District staff for assistance with this process.

Thank you and please let us know if you have additional questions. For general questions contact us at (386) 362-1001.

Sincerely,

A handwritten signature in black ink that reads "Ashley Stefanik". The signature is written in a cursive, flowing style.

Ashley Stefanik
Engineer III

Enclosures: Permit

cc: District Permit File



SUWANNEE RIVER WATER MANAGEMENT DISTRICT

9225 CR 49 • LIVE OAK, FLORIDA 32060 • TELEPHONE 386/362-1001 • 800/226-1066 • FAX 386/362-1056
mysuwanneeriver.com

Works of the District General Permit

PERMITTEE:

Elaine R Davis
879 SW Brim St
Lake City, FL 32024

PERMIT NUMBER: WOD-023-207182-2

DATE ISSUED: January 22, 2020

DATE EXPIRES: January 22, 2023

COUNTY: Columbia

TRS: S26 T6S R15E

PROJECT: Davis River Lot

Upon completion, the approved entity to which operation and maintenance maybe transferred pursuant to rule 62-330.310 and 62-330.340 or 40B-4.1130, Florida Administrative Code (F.A.C) shall be:

Elaine R Davis
879 SW Brim St
Lake City, FL 32024

Based on the information provided to the Suwannee River Water Management District (District), the above mentioned project has met the conditions of issuance as found in subsection 62-330.301, subsections 62-330.407 through 62-330.635, or subsection 40B-4.3030, F.A.C. The permit is hereby in effect for the activity description below:

This permit authorizes the construction of a house with attached decks and stairways totaling an approximate 50ft x 31ft obstruction within the floodway of the Santa Fe River in Columbia County. The elevation of the lowest horizontal structural member of the home and attached decks shall be at least one foot above the base flood elevation of 33.6' NAVD88. A zero-rise certification has been performed to demonstrate that river stages will not be increased as a result of the project. The project shall be constructed in a manner consistent with the application package submitted by Brett Crews, P.E. of Crews Engineering Services, LLC on or before January 20, 2020, and in accordance with Chapter 40B-4.3010(3), F.A.C.

As the permittee and/or operation and maintenance entity, it is your responsibility to ensure that adverse off-site impacts do not occur either during or after the construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You and any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to the enclosed notice of rights.

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction, including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.
2. Immediately prior to, during construction, and for the period of time after construction to allow for stabilization of all disturbed areas, the permittee shall implement and maintain performance based erosion and sediment control best management practices. All best management practices shall be in accordance with the guidelines and specifications described in the State of Florida Stormwater, Erosion and Sedimentation Control Inspectors Manual, <http://www.flrules.org/Gateway/reference.asp?No=Ref-03047>, effective July 2008. If project-specific conditions require additional measures beyond those specified in the erosion and sediment control plan, if approved as part of the permit, the permittee shall implement the additional best management practices as necessary. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources or adjacent properties.
3. Noticed General and General permits shall be transferred to the operational and maintenance phase automatically upon the completion of the work or development in a work of the district. The operational and maintenance phase of individual permits shall be transferred following the criteria in the Applicant's Handbook Volume II and chapter 62-330, F.A.C. Abandonment permits will not become effective until the owner or his authorized agent certifies that all facilities have been removed in accordance with the permit. Within 30 days after the completion of the removal of the work or development in a work of the district, the owner or his authorized agent shall complete an As-Built Certification Form 40B-1.901A. When the completed removal of the work or development in a work of the district differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the removal of the work or development in a work of the district is complete and ready for inspection. The plans must be clearly labeled as 'as-built' or 'record' drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor.

4. The operation phase of individual and abandonment permits shall not become effective until the permittee has complied with the requirements of the condition in the paragraph above. Until the permit is transferred pursuant to rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.
5. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the district. Such discharges may be subject to operating schedules established by the district.
6. The permittee shall hold and save the district harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, work, or development in a work of the district which is authorized by the permit.
7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.
8. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of federal, state, or local government or special district. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.
9. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in chapter 40B-4, F.A.C.
10. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
11. Each phase or independent portion of the permitted work or development in a work of the district must be completed in accordance with the permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the work or development. Each phase or independent portion of the work or development must be completed in accordance with the permitted plans and

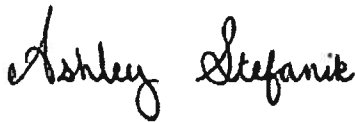
permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the work or development to an approved entity.

12. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
13. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(19) <http://www.flrules.org/Gateway/reference.asp?No=Ref-03166>, effective August, 2013, indicating the actual start date and the expected completion date.
14. For those works or developments which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the work or development, such easement or deed restriction, together with any other final operation or maintenance documents as are required by paragraph Part VI of the Applicants Handbook Volume II, must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the work or development, or upon completion of construction of the work or development, whichever occurs first. For those works or developments which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the work or development is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted work or development.
15. The permittee is hereby advised that section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
16. All transfers of ownership or transfers of a permit are subject to the requirements of rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the work or development to insure conformity with the plans and specifications approved by the permit.
18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District. If evidence of the existence of historic resources is discovered or observed at permitted project sites or during permitted activities after a permit is issued, the applicant, owner, contractor, or agent thereof shall notify the District and the Division of Historical Resources, Compliance and Review Section within two working days. Examples of such evidence include whole or fragmentary stone tools, shell tools, aboriginal or historic pottery, historic glass, historic bottles, bone tools, historic building foundations, shell mounds, shell middens, or sand mounds.
19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

AUTHORIZED BY: Suwannee River Water Management District



By:

Ashley Stefanik
Engineer III

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, (F.S.), before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 F.S. Pursuant to Rule 28-106.111, Florida Administrative Code, (F.A.C.), the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, F.A.C.
2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may choose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, F.A.C., the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, F.A.C.
3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), F.S., where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, F.A.C.
4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), F.S., where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, F.A.C.
5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.
6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, F.A.C.
7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, F.A.C.

8. Pursuant to Section 120.68, F.S., a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, F. S., may seek review of the order pursuant to Section 373.114, F.S., by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent to:

Elaine R Davis
879 SW Brim St
Lake City, FL 32024
(386) 365-3956

This January 22, 2020



Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060
386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: WOD-023-207182-2

NOTICING INFORMATION

Dear Permittee:

Please be advised that the Suwannee River Water Management District (District) has not published a notice in the newspaper advising the public that it has issued a permit for this project.

Newspaper publication, using the District's form, notifies members of the public of their right to challenge the issuance of the permit. If proper notice is given by newspaper publication, then there is a 21-day time limit to file a petition challenging the issuance of the permit.

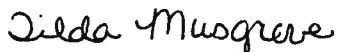
To close the point of entry for filing a petition, you may publish (at your own expense) a onetime notice of the District's decision in a newspaper of general circulation within the affected area as defined in Section 50.011 of the Florida Statutes. If you do not publish a newspaper notice, the time to challenge the issuance of your permit will not expire.

A copy of the notice and a partial list of newspapers of general circulation are attached for your convenience. However, you are not limited to those listed newspapers. If you choose to close the point of entry and the notice is published, the newspaper will return to you an affidavit as proof of publication. In accordance with 40B-1.1010(4), F.A.C., a copy of the affidavit shall be provided to the District within 14 days of publication. A scanned copy of the affidavit may be forwarded to Tilda Musgrove by email at tjm@srwmd.org (preferred method) or send the original affidavit of publication to:

Tilda Musgrove
Resource Management
9225 CR 49
Live Oak, FL 32060

If you have any questions, please contact me at 386.362.1001.

Sincerely,



Tilda Musgrove
Business Resource Specialist
Resource Management

NOTICE OF AGENCY ACTION TAKEN BY THE
SUWANNEE RIVER WATER MANAGEMENT DISTRICT

Notice is given that the following permit was issued on _____:
(Name and address of applicant) _____
permit# _____. The project is located in _____ County, Section
_____, Township _____ South, Range _____ East. The permit authorizes a surface
water management system on _____ acres for _____ known as
_____. The receiving water body is _____.

A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40BB-1.1010, Florida Administrative Code (F.A.C.), the petition must be filed (received) either by delivery at the office of the Resource Management Business Resource Specialist at District Headquarters, 9225 CR 49, Live Oak FL 32060 or by e-mail to tjm@srwmd.org, within twenty-one (21) days of newspaper publication of the notice of intended District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes (F.S.), and Chapter 28106, F.A.C. The District will not accept a petition sent by facsimile (fax). Mediation pursuant to Section 120.573, F.S., is not available.

A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Live Oak, FL during the District's regular business hours. The District's regular business hours are 8 a.m. – 5 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8 a.m. on the next regular District business day.

The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40B-1.1010, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. **Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, F.A.C.).**

If you wish to do so, you may request the Notice of Rights for this permit by contacting the Business Resource Specialist in the Division of Resource Management (RM), 9225 CR 49, Live Oak, FL 32060, or by phone at 386.362.1001.

NEWSPAPER ADVERTISING**ALACHUA**

Gainesville Sun Legal Advertising
PO Box 14747
Gainesville, FL 32614
352.372.4222

BRADFORD

Bradford County Telegraph, Legal Advertising
P. O. Drawer A
Starke, FL 32901
904-964-6305/ fax 904-964-8628

COLUMBIA

Lake City Reporter
180 E Duval Street
Lake City, FL 32055
386.754.0401

DIXIE

Dixie County Advocate
174 County Road 351
Cross City, FL 32628
352.498.3312

GILCHRIST

Gilchrist County Journal
207 N Main St
Trenton, FL 32693
352.463.7135

HAMILTON

Jasper News
521 Demorest Street SE
Live Oak, FL 32064
386.362.1734

JEFFERSON

Monticello News
PO Drawer 772
Madison, FL 32344
850.997.3568

LAFAYETTE

Mayo Free Press
521 Demorest Street SE
Live Oak, FL 32064
386.362.1734

LEVY

Levy County Journal
PO Box 159
Bronson, FL 32621
352.486.2312

MADISON

Madison Carrier
PO Drawer 772
Madison, FL 32344
850.973.4141

SUWANNEE

Suwannee Democrat
521 Demorest Street SE
Live Oak, FL 32064
386.364.1734

TAYLOR

Taco Times
PO Box 888
Perry, FL 32348
850.584.5513

UNION

Union County Times
125 E Main Street
Lake Butler, FL 32054
386.496.2261



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address <http://www.myfloridalicense.com/dbpr/> for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of \$300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of \$100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling () Two-Family Residence () Farm Outbuilding
() Addition, Alteration, Modification or other Improvement
() Commercial, Cost of Construction _____ for construction of _____
() Other _____

I Elaine Davis Boone, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

Elaine Davis Boone Date 11/30/2020
Owner Builder Signature

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification Known

Notary Signature _____ Date _____ (Seal)

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative [Signature]

Note Needed Yet - Used at Final Contract

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name Elaine Davis				Policy Number:	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Santa Fe Drive				Company NAIC Number:	
City Fort White		State Florida		ZIP Code 32038	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 29, Three Rivers Estates, Unit 5, Columbia County, Florida. (Parcel # 00626-029)					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>					
A5. Latitude/Longitude: Lat. <u>29 55 40.5</u> Long. <u>082 46 45.1</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983					
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.					
A7. Building Diagram Number <u>5</u>					
A8. For a building with a crawlspace or enclosure(s):					
a) Square footage of crawlspace or enclosure(s) <u>0.00</u> sq ft					
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A8.b <u>0.00</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
A9. For a building with an attached garage:					
a) Square footage of attached garage <u>0.00</u> sq ft					
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>					
c) Total net area of flood openings in A9.b <u>0.00</u> sq in					
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number Columbia County 120070			B2. County Name Columbia		B3. State Florida
B4. Map/Panel Number 12023C0467	B5. Suffix C	B6. FIRM Index Date 02-04-2009	B7. FIRM Panel Effective/ Revised Date 02-04-2009	B8. Flood Zone(s) AE FW	B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 33.6
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input checked="" type="checkbox"/> Other/Source: <u>SRWMD</u>					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

ELEVATION CERTIFICATEOMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Santa Fe Drive			Policy Number:
City Fort White	State Florida	ZIP Code 32038	Company NAIC Number

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)C1. Building elevations are based on: ☐ Construction Drawings* ☒ Building Under Construction* ☐ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: TBM 1

Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.


Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	32.03	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	N/A	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N/A	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	N/A	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	N/A	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	23.32	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	23.85	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	23.85	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☐ Yes ☐ No ☐ Check here if attachments.

Certifier's Name Brian Scott Daniel	License Number LS 6449	Place Seal Here	
Title PSM			
Company Name Daniel & Gore, LLC			
Address PO Box 1501			
City Lake City	State Florida		
	ZIP Code 32056		
Signature 	Date 08-13-2019	Telephone	Ext.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including type of equipment and location, per C2(e), if applicable)

ELEVATION CERTIFICATEOMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Santa Fe Drive			Policy Number:	
City Fort White	State Florida	ZIP Code 32038	Company NAIC Number	
SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)				
<p>For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.</p> <p>E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).</p> <p style="margin-left: 20px;">a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p style="margin-left: 20px;">b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the LAG.</p> <p>E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E3. Attached garage (top of slab) is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E4. Top of platform of machinery and/or equipment servicing the building is _____ <input type="checkbox"/> feet <input type="checkbox"/> meters <input type="checkbox"/> above or <input type="checkbox"/> below the HAG.</p> <p>E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown. The local official must certify this information in Section G.</p>				
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION				
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.				
Property Owner or Owner's Authorized Representative's Name				
Address	City	State	ZIP Code	
Signature	Date	Telephone		
Comments				
<input type="checkbox"/> Check here if attachments.				

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Santa Fe Drive			Policy Number:	
City Fort White	State Florida	ZIP Code 32038	Company NAIC Number	
SECTION G – COMMUNITY INFORMATION (OPTIONAL)				
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.				
G1. <input type="checkbox"/> The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)				
G2. <input type="checkbox"/> A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.				
G3. <input type="checkbox"/> The following information (Items G4–G10) is provided for community floodplain management purposes.				
G4. Permit Number		G5. Date Permit Issued		G6. Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for: <input type="checkbox"/> New Construction <input type="checkbox"/> Substantial Improvement				
G8. Elevation of as-built lowest floor (including basement) of the building: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters Datum _____				
G9. BFE or (in Zone AO) depth of flooding at the building site: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters Datum _____				
G10. Community's design flood elevation: _____ <input type="checkbox"/> feet <input type="checkbox"/> meters Datum _____				
Local Official's Name		Title		
Community Name		Telephone		
Signature		Date		
Comments (including type of equipment and location, per C2(e), if applicable)				
<div><input type="checkbox"/> Check here if attachments.</div>				

BUILDING PHOTOGRAPHS

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

See Instructions for Item A6.

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City Fort White	State Florida	ZIP Code 32038	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption

Clear Photo One



Photo Two

Photo Two Caption

Clear Photo Two

BUILDING PHOTOGRAPHS

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Santa Fe Drive			Policy Number:
City Fort White	State Florida	ZIP Code 32038	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

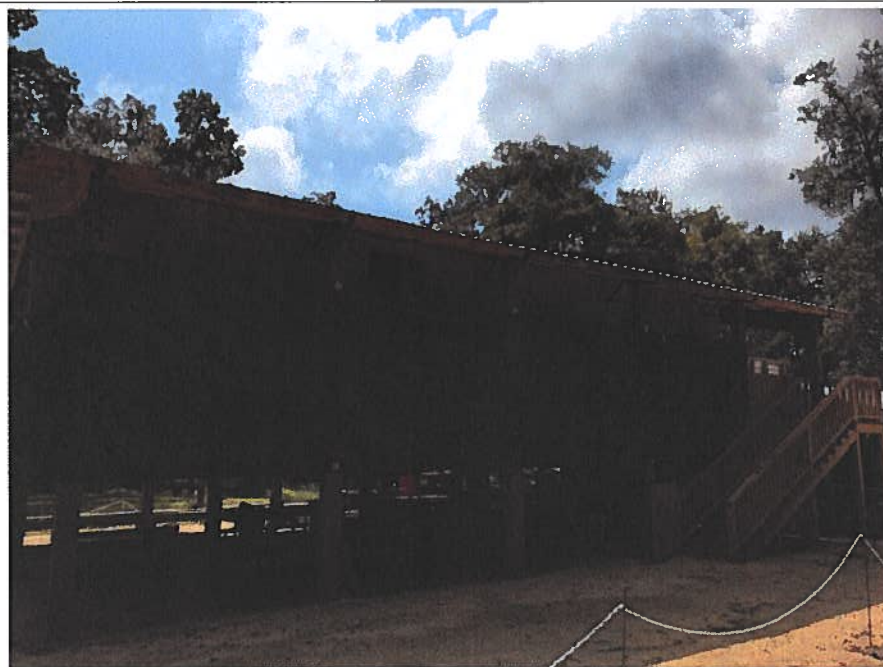


Photo Three

Photo Three Caption

Clear Photo Three

Photo Four

Photo Four Caption

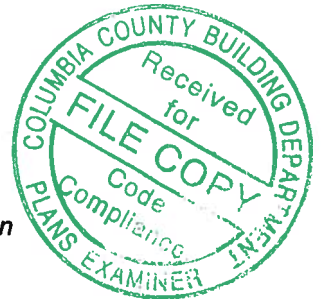
Clear Photo Four

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

Florida Department of Business and Professional Regulation Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☒ This checklist
- ☒ A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).
- ☒ Energy Performance Level (EPL) Display Card (one page)
- ☐ HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7
- ☐ Mandatory Requirements (five pages)



Required prior to CO for the Performance Method:

- ☐ Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)
- ☐ A completed Envelope Leakage Test Report (usually one page)
- ☐ If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Boone Residence Street: City, State, Zip: Lake City , FL , 32055 Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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<table style="width:100%;"> <tr> <td style="width:30%;">1. New construction or existing</td> <td style="width:30%;">New (From Plans)</td> <td style="width:40%;"></td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Single-family</td> <td></td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> <td></td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>2</td> <td></td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> <td></td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>912</td> <td></td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> <td></td> </tr> <tr> <td>7. Windows (165.7 sqft.)</td> <td>Description</td> <td>Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Sgl, U=0.55</td> <td>165.67 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.50</td> <td></td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> <td></td> </tr> <tr> <td>c. 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Glass/Floor Area: 0.182	Total Proposed Modified Loads: 33.70	PASS
	Total Baseline Loads: 39.12	

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: _____</p> <p>DATE: _____</p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: _____</p>	<p>Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.</p> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p> <div style="text-align: center;">  </div>
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Boone Residence	Bedrooms:	2	Address Type:	Street Address
Building Type:	User	Conditioned Area:	912	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32055
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	528	4752
2	Block2	192	1728
3	Block3	192	1728

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	528	4752	Yes	2	0	1	Yes	Yes	Yes
2	Bedroom 1	192	1728	No	1	1	2	Yes	Yes	Yes
3	Bedroom 2	192	1728	No	1	1	3	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Raised Floor	Main	---	---	528 ft²	19	0	1	0
_____	2	Raised Floor	Bedroom 1	---	---	192 ft²	19	0	1	0
_____	3	Raised Floor	Bedroom 2	---	---	192 ft²	19	0	1	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Metal	944 ft²	114 ft²	Medium	N	0.96	No	0.9	No	30	14

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Partial cathedral ceili	Unvented	0	916 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Cathedral/Single Assembly (Unvented)	Main	30	Batt	528 ft²	0.11	Wood
✓	2	Under Attic (Unvented)	Bedroom 1	30	Batt	192 ft²	0.11	Wood
✓	3	Under Attic (Unvented)	Bedroom 2	30	Batt	192 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adj To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
✓	1	N	Exterior	Frame - Wood	Main	19	24	0	9		216.0 ft²		0.23	0.75	0
✓	2	E	Exterior	Frame - Wood	Main	19	22	2	9		199.5 ft²		0.23	0.75	0
✓	3	S	Bedroom	Interior Frame - Wood	Main	0	24		9		216.0 ft²		0.23	0.75	0
✓	4	W	Exterior	Frame - Wood	Main	19	22	2	9		199.5 ft²		0.23	0.75	0
✓	5	N	Main	Interior Frame - Wood	Bedroom 2	0	12		9		108.0 ft²		0.23	0.75	0
✓	6	E	Exterior	Frame - Wood	Bedroom 2	19	16		9		144.0 ft²		0.23	0.75	0
✓	7	S	Exterior	Frame - Wood	Bedroom 2	19	12		9		108.0 ft²		0.23	0.75	0
✓	8	W	Bedroom	Interior Frame - Wood	Bedroom 2	0	16		9		144.0 ft²		0.23	0.75	0
✓	9	N	Main	Interior Frame - Wood	Bedroom 1	0	12		9		108.0 ft²		0.23	0.75	0
✓	10	E	Bedroom	Interior Frame - Wood	Bedroom 1	0	16		9		144.0 ft²		0.23	0.75	0
✓	11	S	Exterior	Frame - Wood	Bedroom 1	19	12		9		108.0 ft²		0.23	0.75	0
✓	12	W	Exterior	Frame - Wood	Bedroom 1	16	16		9		144.0 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	N	Insulated	Main	None	.46	6		7		42 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	N	1	Vinyl	Low-E Single	Yes	0.55	0.5	N	42.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	2	E	2	Vinyl	Low-E Single	Yes	0.55	0.5	N	24.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	3	E	6	Vinyl	Low-E Single	Yes	0.55	0.5	N	15.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	4	S	7	Vinyl	Low-E Single	Yes	0.55	0.5	N	21.7 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	5	W	12	Vinyl	Low-E Single	Yes	0.55	0.5	N	17.3 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	6	W	4	Vinyl	Low-E Single	Yes	0.55	0.5	N	24.0 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None
✓	7	S	11	Vinyl	Low-E Single	Yes	0.55	0.5	N	21.7 ft²	0 ft 0 in	0 ft 0 in	Drapes/blinds	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	BySpaces	Proposed ACH(50)	.000286	396	21.74	40.89	.1128	5
2	BySpaces	Proposed ACH(50)	.000286	144	7.91	14.87	.1128	5
3	BySpaces	Proposed ACH(50)	.000286	144	7.91	14.87	.1128	5

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
<input type="checkbox"/>	1	Electric Heat Pump/	Through the Wall(Single)	HSPF:8.7	14.82 kBtu/hr	1	sys#1
<input type="checkbox"/>	2	Electric Heat Pump/	Through the Wall(Split)	HSPF:8.7	12 kBtu/hr	2	sys#2
<input type="checkbox"/>	3	Electric Heat Pump/	Through the Wall(Single)	HSPF:8.7	12 kBtu/hr	3	sys#3

COOLING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
<input type="checkbox"/>	1	PTAC and Room Unit/	None	EER: 16	19.4 kBtu/hr	720 cfm	0.85	1	sys#1
<input type="checkbox"/>	2	PTAC and Room Unit/	None	EER: 16	12 kBtu/hr	360 cfm	0.75	2	sys#2
<input type="checkbox"/>	3	PTAC and Room Unit/	None	EER: 16	12 kBtu/hr	360 cfm	0.75	3	sys#3

HOT WATER SYSTEM

<input checked="" type="checkbox"/>	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
<input type="checkbox"/>	1	Electric	None	Main	0.98	50 gal	70 gal	120 deg	Heat Recovery Unit

SOLAR HOT WATER SYSTEM

<input checked="" type="checkbox"/>	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
<input type="checkbox"/>	None	None			ft ²		

DUCTS

<input checked="" type="checkbox"/>	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
<input type="checkbox"/>	1	Main	6	200 ft ²	Main	133.5 ft ²	Default Leakage	Main	(Default) c	(Default) c			1	1
<input type="checkbox"/>	2	Bedroom 1	6	60.8 ft ²	Attic	15.2 ft ²	Default Leakage	Bedroom 1	(Default) c	(Default) c			2	2
<input type="checkbox"/>	3	Bedroom 2	6	60.8 ft ²	Bedroom 2	15.2 ft ²	Default Leakage	Main	(Default) c	(Default) c			3	3

TEMPERATURES

Programable Thermostat: Y												Ceiling Fans:																																																														
Cooling	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	Venting	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec

INPUT SUMMARY CHECKLIST REPORT

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
MASS													
Mass Type		Area		Thickness		Furniture Fraction		Space					
Default(8 lbs/sq.ft.		0 ft²		0 ft		0.3		Main					
Default(8 lbs/sq.ft.		0 ft²		0 ft		0.3		Bedroom 1					
Default(8 lbs/sq.ft.		0 ft²		0 ft		0.3		Bedroom 2					

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction: _____

Permit #: _____

Job Information

Builder: _____

Community: _____

Lot: NA

Address: _____

City: Lake City

State: FL

Zip: 32055

Air Leakage Test Results

Passing results must meet either the Performance, Prescriptive, or ERI Method

☐ **PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

☐ **PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.
ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 5.000

$$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{8208}{\text{ACH}(50)} = \text{ACH}(50)$$

☒ **PASS**

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:

- ☐ Retrieved from architectural plans
- ☒ Code software calculated
- ☐ Field measured and calculated

R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7) *Florida Statutes* or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2017 6th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 86

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts R <u>6.0</u>
4. Number of bedrooms	4. <u>2</u>	c) AHU location <u>varies</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system: Capacity <u>43.4</u>
6. Conditioned floor area (sq. ft.)	6. <u>912</u>	a) Split system SEER <u> </u>
7. Windows, type and area		b) Single package SEER <u> </u>
a) U-factor:(weighted average)	7a. <u>0.550</u>	c) Ground/water source SEER/COP <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.500</u>	d) Room unit/PTAC EER <u>16.0</u>
c) Area	7c. <u>165.7</u>	e) Other <u> </u>
8. Skylights		14. Heating system: Capacity <u>38.8</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump HSPF <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump HSPF <u> </u>
9. Floor type, insulation level:		c) Electric resistance COP <u> </u>
a) Slab-on-grade (R-value)	9a. <u> </u>	d) Gas furnace, natural gas AFUE <u> </u>
b) Wood, raised (R-value)	9b. <u>19.0</u>	e) Gas furnace, LPG AFUE <u> </u>
c) Concrete, raised (R-value)	9c. <u> </u>	f) Other <u>8.70</u>
10. Wall type and insulation:		15. Water heating system
A. Exterior:		a) Electric resistance EF <u>0.98</u>
1. Wood frame (Insulation R-value)	10A1. <u>varies</u>	b) Gas fired, natural gas EF <u> </u>
2. Masonry (Insulation R-value)	10A2. <u> </u>	c) Gas fired, LPG EF <u> </u>
B. Adjacent:		d) Solar system with tank EF <u> </u>
1. Wood frame (Insulation R-value)	10B1. <u> </u>	e) Dedicated heat pump with tank EF <u> </u>
2. Masonry (Insulation R-value)	10B2. <u> </u>	f) Heat recovery unit HeatRec% <u>1.00</u>
11. Ceiling type and insulation level		g) Other <u> </u>
a) Under attic	11a. <u>30.0</u>	16. HVAC credits claimed (Performance Method)
b) Single assembly	11b. <u>30.0</u>	a) Ceiling fans <u>Yes</u>
c) Knee walls/skylight walls	11c. <u> </u>	b) Cross ventilation <u>No</u>
d) Radiant barrier installed	11d. <u>No</u>	c) Whole house fan <u>No</u>
		d) Multizone cooling credit <u> </u>
		e) Multizone heating credit <u> </u>
		f) Programmable thermostat <u>Yes</u>

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: Lake City, FL 32055

Florida Building Code, Energy Conservation, 6th Edition (2017)

Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS:

Lake City, FL, 32055

Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.



SECTION R401 GENERAL

- ☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

- ☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

- ☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

- ☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

- ☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

- ☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

- ☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m²), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m²), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

- ☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

- ☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

- ☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.
- ☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.
- ☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

- ☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.
- ☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:
1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
 2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

- ☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.
- ☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.
- ☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.
- ☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.
- ☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.
- ☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

- ☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

- ☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).
- ☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.
- ☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.
- ☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:
1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
 2. Be installed at an orientation within 45 degrees of true south.

- ☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

- ☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

- ☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:
1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
 2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawl spaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
 3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

- ☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilations such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

**TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY ^a (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min.

a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

- ☐ **R403.7.1.1 Cooling equipment capacity.** Cooling-only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

- ☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

- ☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

- ☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

- ☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

- ☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

- ☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

- ☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

- ☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

- ☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

- ☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

- ☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

Residential System Sizing Calculation

Summary

Project Title:
Boone Residence

Lake City, FL 32055

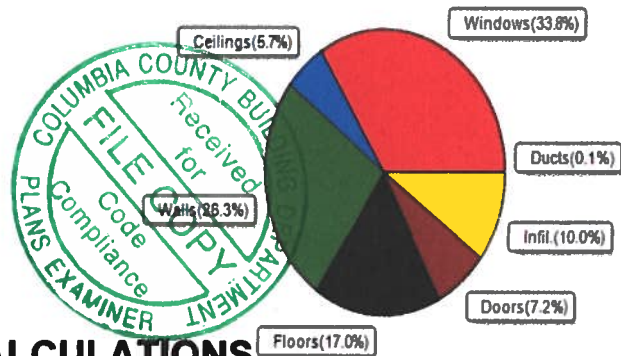
7/29/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	10788	Btuh	Total cooling load calculation	14713	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	359.8	38816	Sensible (SHR = 0.79)	321.8	34490
Heat Pump + Auxiliary(0.0kW)	359.8	38816	Latent	223.1	8910
			Total (Electric Heat Pump)	295.0	43400

WINTER CALCULATIONS

Winter Heating Load (for 912 sqft)

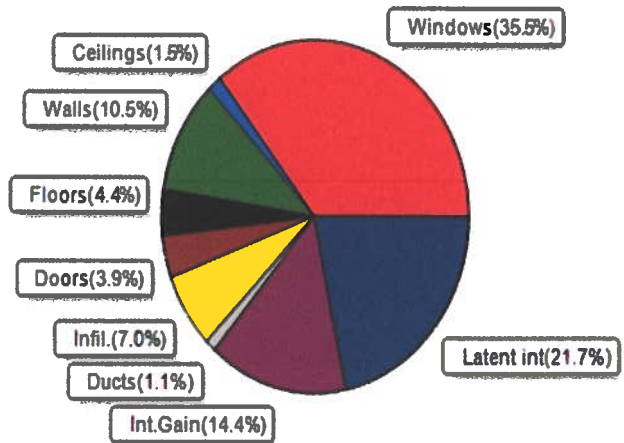
Load component		Load	
Window total	166 sqft	3645	Btuh
Wall total	1631 sqft	2841	Btuh
Door total	42 sqft	773	Btuh
Ceiling total	912 sqft	610	Btuh
Floor total	See detail report	1829	Btuh
Infiltration	25 cfm	1081	Btuh
Duct loss		10	Btuh
Subtotal		10788	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		10788	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 912 sqft)

Load component		Load	
Window total	166 sqft	5226	Btuh
Wall total	1631 sqft	1542	Btuh
Door total	42 sqft	580	Btuh
Ceiling total	912 sqft	215	Btuh
Floor total		640	Btuh
Infiltration	19 cfm	385	Btuh
Internal gain		2120	Btuh
Duct gain		11	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		10719	Btuh
Latent gain(ducts)		155	Btuh
Latent gain(infiltration)		639	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		3200	Btuh
Total latent gain		3994	Btuh
TOTAL HEAT GAIN		14713	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory)** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory) Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

Project Name: Boone Residence Street: City, State, Zip: Lake City, FL, 32055 Owner: Design Location: FL, Gainesville			Builder Name: Permit Office: Permit Number: Jurisdiction:	CHECK
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA		
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.		
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.		
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.		
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.			
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.		
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.		
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.		
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.			
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.		
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.			
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.		
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.		
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.		
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.			
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.			
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.			

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Prepared by:

Debbie G. Moore
American Title Services of Lake City, Inc.
321 SW Main Boulevard, Suite 105
Lake City, Florida 32025

Inst: 201612018847 Date: 11/18/2016 Time: 10:08AM
Page 1 of 2 B: 1325 P: 2531, P.DeWitt Cason, Clerk of Court
Columbia County, By: BD
Deputy ClerkDoc Stamp-Deed: 0.70

General Warranty Deed

Made this 17th day of November, 2016 A.D.

By **JOHNNY M. HAMM, an unmarried man**, whose address is: 879 SW Brim Street, Lake City, Florida 32025, hereinafter called the grantor,

to **ELAINE R. DAVIS**, whose post office address is: 879 SW Brim Street, Lake City, Florida 32025, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

TOWNSHIP 4 SOUTH, RANGE 16 EAST

**SECTION 7: The E 1/2 of the E 1/2 of the SE 1/4 of the SW 1/4, Less and Except Road Right of Way.
IN COLUMBIA COUNTY, FLORIDA.**

**TOGETHER WITH: 1999 FLEETWOOD (SunPoint) MOBILE HOME, ID# FLFLX70A27207ST21,
TITLE NO. 79383535 AND ID# FLFLX70B27207ST21, TITLE NO. 79383502 LENGTH 66 x 30**

AND

**LOT 29, of UNIT 5, THREE RIVERS ESTATES, according to the Plat thereof, as recorded in Plat
Book 4, at Page 38, of the Public Records of COLUMBIA COUNTY, FLORIDA.**

AND

**The Southwest 1/4 of Lot or Block 52 in the CENTRAL DIVISION, of the CITY of LAKE CITY,
FLORIDA, according to the Official Map thereof as recorded in the Public Records of Columbia
County, Florida, situate in the Southwest 1/4 of Northwest 1/4 of Section 32, Township 3 South, Range
17 East, Less that portion of the above described lands heretofore deeded to the State of Florida for the
use and benefit of the State Road Department of Florida, IN COLUMBIA COUNTY, FLORIDA.**

Parcel ID Number(s): 028069-009; 00626-029; and 12796-000

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2015.

Prepared by:

Debbie G. Moore
American Title Services of Lake City, Inc.
321 SW Main Boulevard, Suite 105
Lake City, Florida 32025

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nicole A. Moore
Witness Printed Name Nicole A. Moore

Debbie G. Moore
Witness Printed Name Debbie G. Moore

Johnny M. Hamm By Elaine R. Davis POA
JOHNNY M. HAMM, by Elaine R. Davis, his Attorney-In-Fact
Address: 879 SW Brim Street, Lake City, Florida 32025

State of FLORIDA
County of COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of November, 2016, by ELAINE R. DAVIS, as Attorney In Fact for JOHNNY M. HAMM, who is/are personally known to me or who has produced FL DRIVER'S LICENSE as identification.



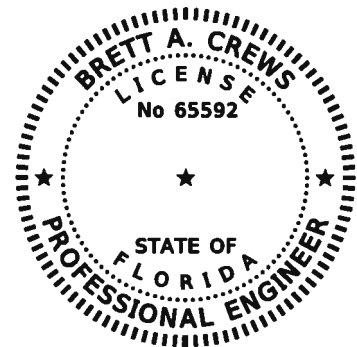
Debbie G. Moore
Notary Public
Print Name: Debbie G. Moore
My Commission Expires: _____



Davis River Lot

ZERO RISE CERTIFICATION PACKAGE

HOME WITH DECK



Brett A. Crews
Digitally signed by
Brett A. Crews
Date: 2019.12.03
09:15:42-05'00'

Brett A. Crews, P.E. 65592
Crews Engineering Services, LLC
349 SW Crews Farm Ter
Lake City, FL 32025
Ph. 386.623.4303
Auth # 28022
brett@crewsengineeringservices.com

TABLE OF CONTENTS

ZERO RISE CERTIFICATION.....	2
PARCEL INFO	3
CROSS SECTION LOCATION MAP.....	4
FLOOD RISK REPORT	5
HEC-RAS DATA:	
PROFILE SUMMARY OUTPUT TABLE.....	6
GRAPHS:	
RIVER STATION 11.3	7
RIVER STATION 10.06	8
RIVER STATION 8.94	9
RIVER STATION 8.43	10
RIVER STATION 7.64.....	11
SITE PLAN	12



Crews Engineering Services, LLC
349 SW Crews Farm Ter
Lake City, FL 32025
Ph: 386.623.4303
brett@crewsengineeringservices.com

December 2, 2019

Zero Rise Certification

Client / Owner: Elaine Davis

Property Description: Lot 29, Unit 5, Three Rivers Estates
Section 26, Township 6 South, Range 15 East
Columbia County, FL

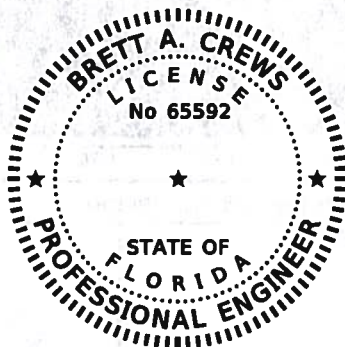
Structure in Floodway: 50' x 31' House with Deck

River Mile: 8.94

Elevation of 100 yr flood: 33.6 ft

Community Panel: 12023C0467C

I hereby certify that construction of the proposed residence will not obstruct flow or cause more than a 0.01 ft rise in the 100-year flood elevation of the Santa Fe River.



Brett A. Crews

Digitally signed by
Brett A. Crews
Date: 2019.12.03
09:15:54-05'00'

Brett A. Crews, PE 65592



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

PARCEL: 00-00-00-00626-029 | MISC RES (000700) | 0.6 AC

LOT 29 UNIT 5 THREE RIVERS ESTATES. 862-705, 880-2230, 887-235, 911-397, 918-133, WD 1161-2145, WD 1325-2531,

NOTES:

Owner:
DAVIS ELAINE R
879 SW BRIM ST
LAKE CITY, FL 32024

2020 Working Values

Mkt Lnd	\$20,800	Appraised	\$22,280
Ag Lnd	\$0	Assessed	\$22,280
Bldg	\$0	Exempt	\$0
XFOB	\$1,480		
Just	\$22,280	Total	county:\$22,280
		Taxable	city:\$22,280
			other:\$22,280
			school:\$22,280

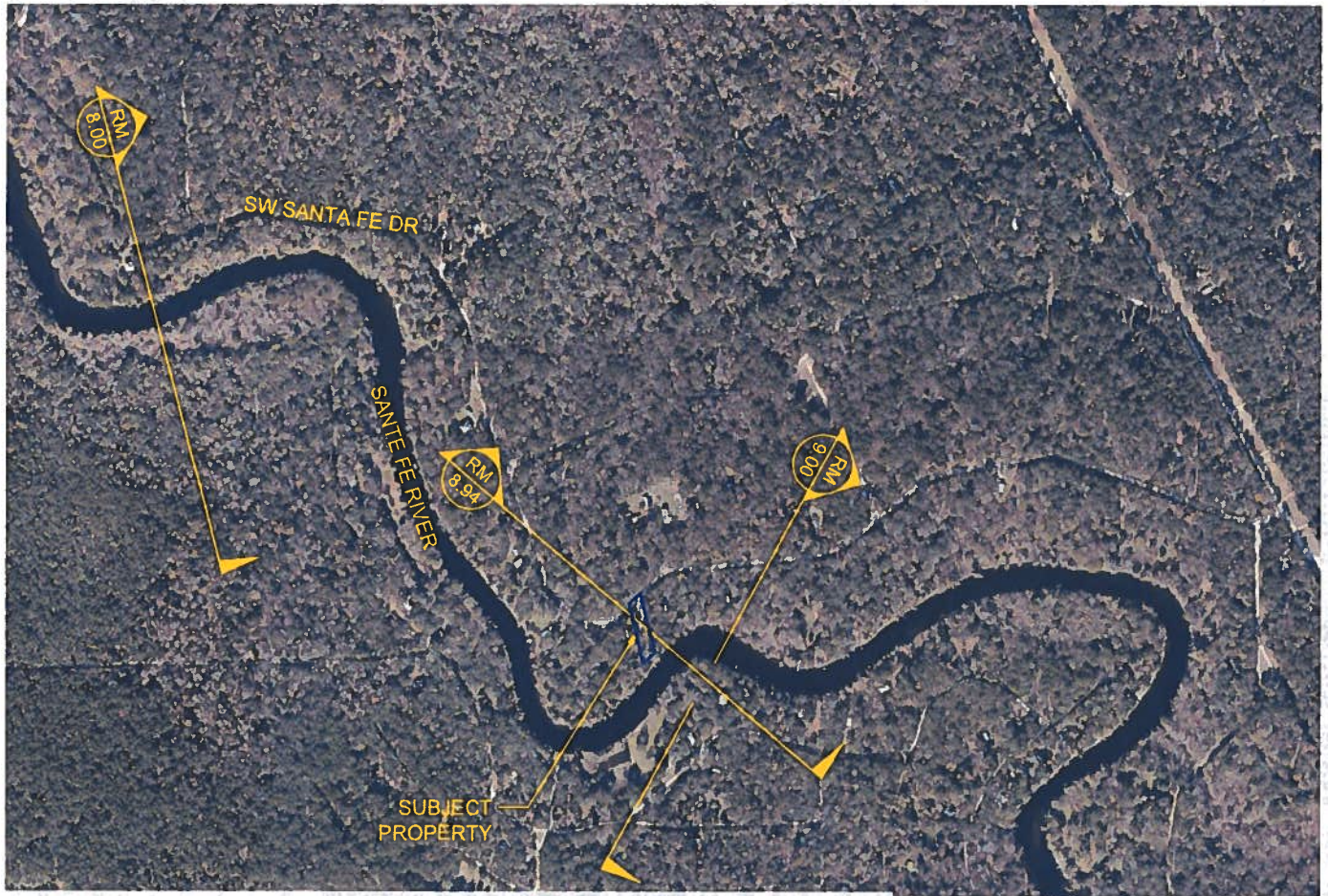
Site:
11/17/2016 \$100 I (U)
11/7/2008 \$1,000 V (U)
9/9/2000 \$100 V (U)



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.

GrizzlyLogic.com



CES

Crews Engineering Services, LLC

349 SW CREWS FARM TER
LAKE CITY, FL 32025
386.623.4303

BRETT A. CREWS, P.E.

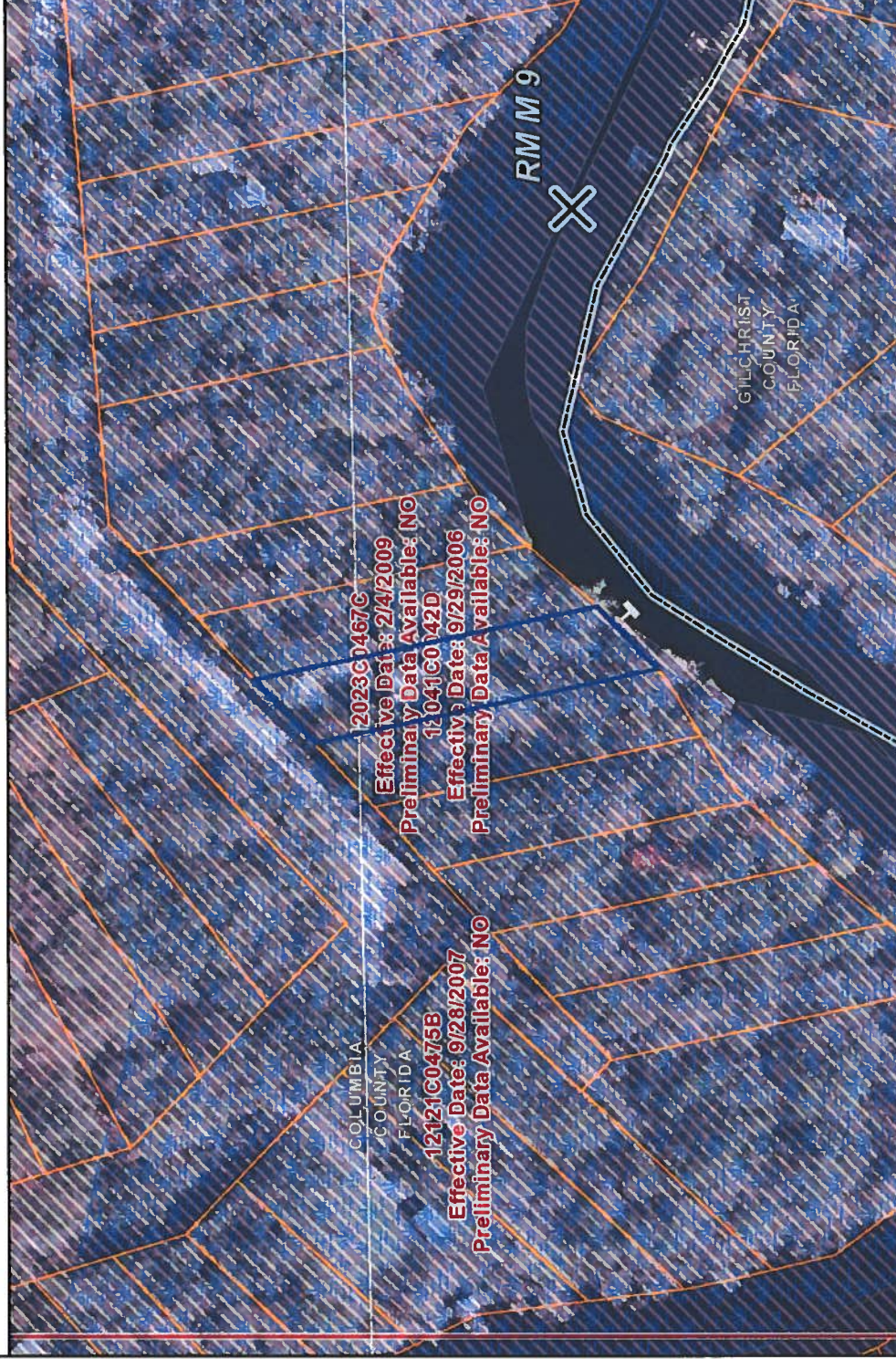
DAVIS RIVER LOT

**CROSS SECTION
LOCATION MAP**

CES PROJECT NO.:
2019-008

SHEET:
CS1

Suwannee River Water Management District Effective Flood Information Report



LOCATION

Date: 7-31-2019

Parcel: 00-00-00-00626-029

County: COLUMBIA

STR: S035 T06 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): 33.6 (feet)

10% Annual Chance
Flood Elev: 27.7 (feet)

50% Annual Chance
Flood Elev: 22 (feet)

Note: Elevations are based on NAVD88

FIRM Panel(s): 12023C0467C

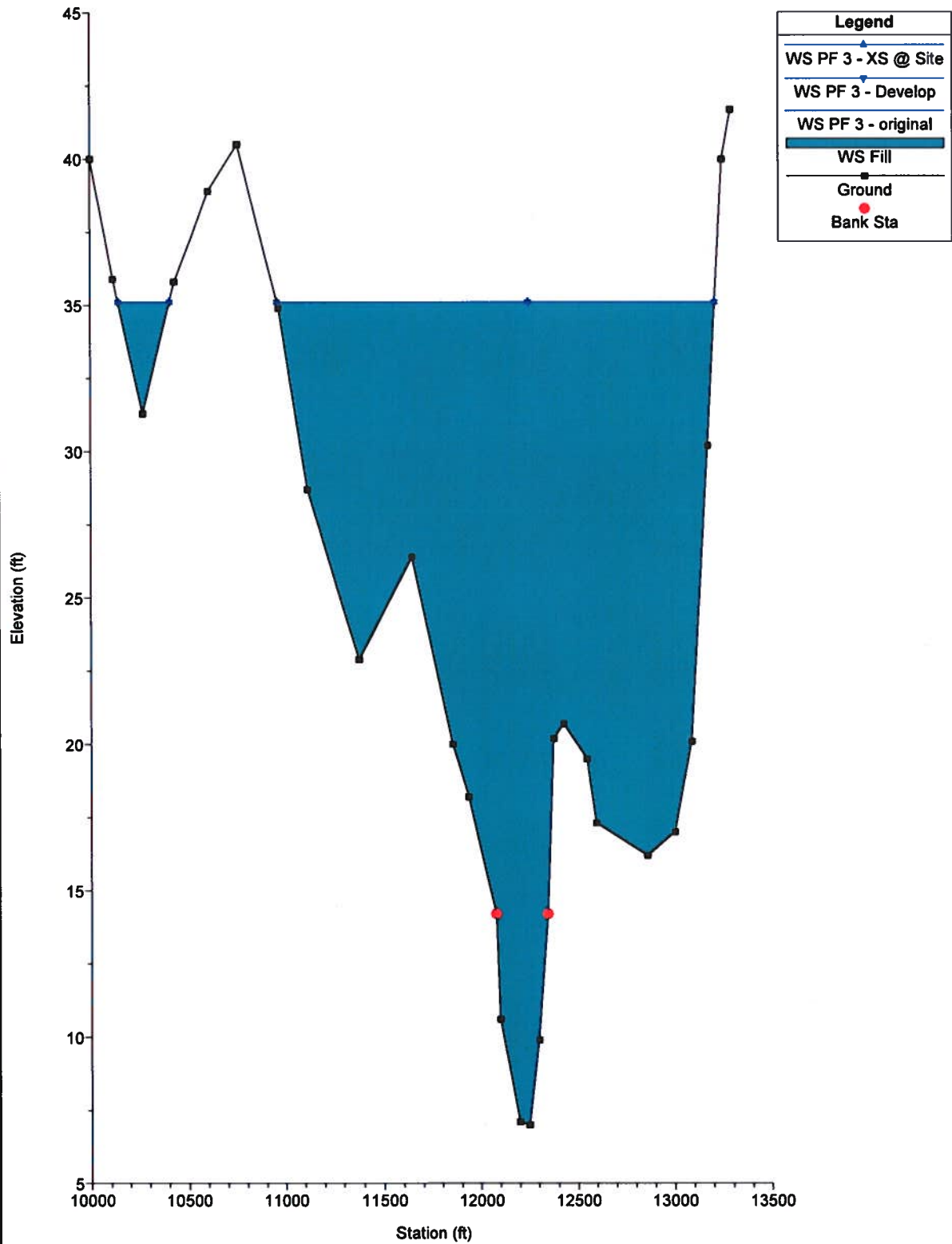
Effective Flood Zones described on Page 2		Wetlands	Counties	Depressions
SFHA - Zone VE				
SFHA - AE w/Floodway		FIRM Panel	SRWMD	BFE
SFHA - Zones AE, AH, AO		State Lands	Parcels	Cross Sections

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.

HEC-RAS River: RIVER-1 Reach: Reach-1 Profile: PF 3

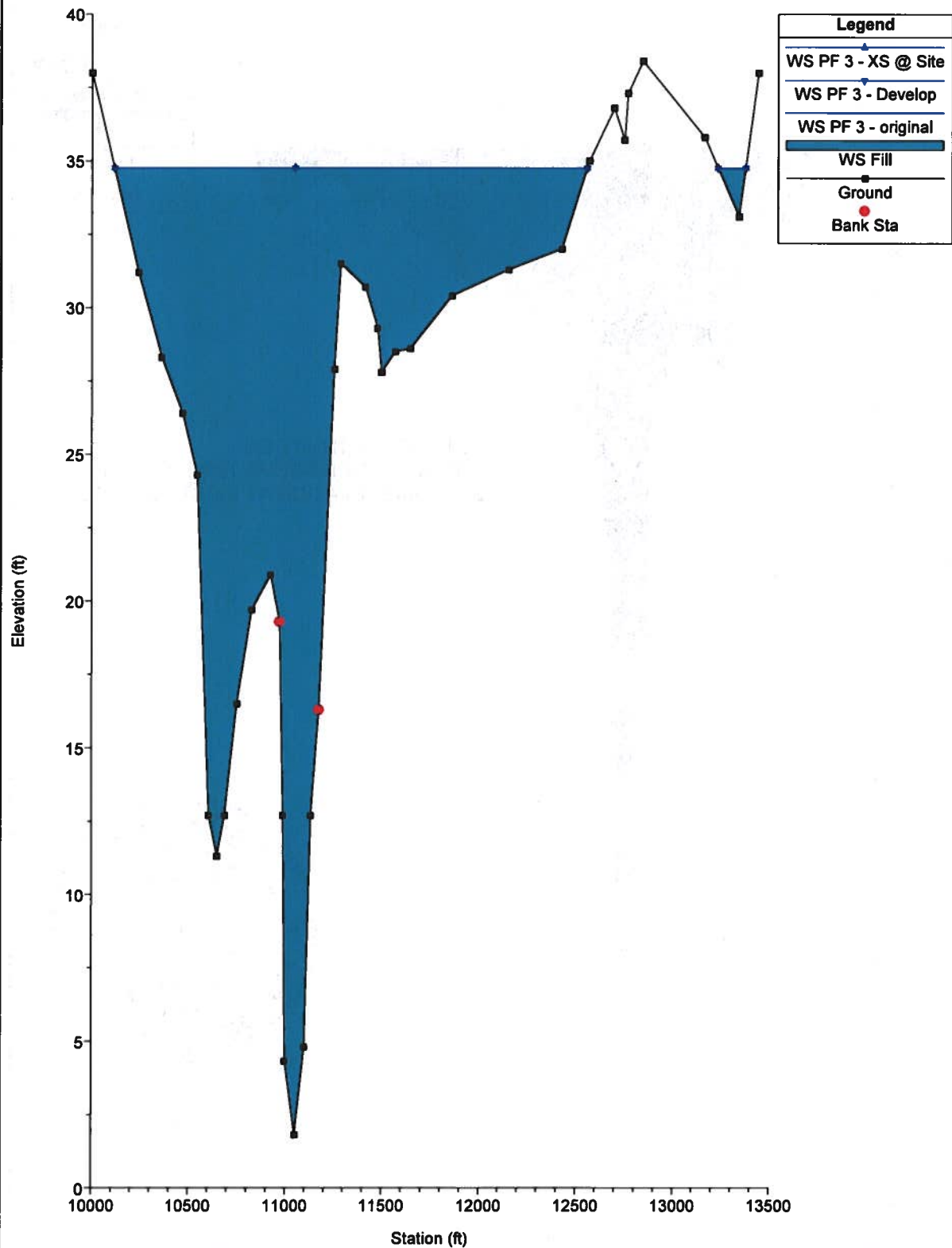
Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach-1	13.03	original	16359.00	-5.45	35.42		35.46	0.000047	2.08	40390.76	3897.64	0.07
Reach-1	13.03	XS @ Site	16359.00	-5.45	35.42		35.46	0.000047	2.08	40390.92	3897.64	0.07
Reach-1	13.03	Develop	16359.00	-5.45	35.42		35.46	0.000047	2.08	40390.92	3897.64	0.07
Reach-1	11.3	original	16359.00	7.00	35.11		35.14	0.000035	1.71	33330.25	2516.29	0.06
Reach-1	11.3	XS @ Site	16359.00	7.00	35.11		35.14	0.000035	1.71	33330.35	2516.29	0.06
Reach-1	11.3	Develop	16359.00	7.00	35.11		35.14	0.000035	1.71	33330.35	2516.29	0.06
Reach-1	10.06	original	16359.00	1.81	34.76		34.83	0.000070	2.44	21708.98	2585.63	0.08
Reach-1	10.06	XS @ Site	16359.00	1.81	34.76		34.83	0.000070	2.44	21709.09	2585.64	0.08
Reach-1	10.06	Develop	16359.00	1.81	34.76		34.83	0.000070	2.44	21709.09	2585.64	0.08
Reach-1	8.94	XS @ Site	16359.00	-0.12	34.40		34.47	0.000062	2.38	32027.73	4982.12	0.08
Reach-1	8.94	Develop	16359.00	-0.12	34.40		34.47	0.000062	2.38	32027.73	4982.12	0.08
Reach-1	8.43	original	16359.00	-1.00	34.25		34.32	0.000059	2.35	35550.68	5680.96	0.08
Reach-1	8.43	XS @ Site	16359.00	-1.00	34.25		34.32	0.000059	2.35	35550.68	5680.96	0.08
Reach-1	8.43	Develop	16359.00	-1.00	34.25		34.32	0.000059	2.35	35550.68	5680.96	0.08
Reach-1	7.64	original	16359.00	2.75	33.98		34.05	0.000076	2.46	36043.38	5157.06	0.09
Reach-1	7.64	XS @ Site	16359.00	2.75	33.98		34.05	0.000076	2.46	36043.38	5157.06	0.09
Reach-1	7.64	Develop	16359.00	2.75	33.98		34.05	0.000076	2.46	36043.38	5157.06	0.09
Reach-1	6.46	original	16359.00	2.53	33.66		33.70	0.000046	1.98	37794.99	3868.70	0.07
Reach-1	6.46	XS @ Site	16359.00	2.53	33.66		33.70	0.000046	1.98	37794.99	3868.70	0.07
Reach-1	6.46	Develop	16359.00	2.53	33.66		33.70	0.000046	1.98	37794.99	3868.70	0.07

Davis Zero Rise Plan: 1) original 12/2/2019 2) XS @ Site 12/2/2019 3) Develop 12/3/2019
River = RIVER-1 Reach = Reach-1 RS = 11.3

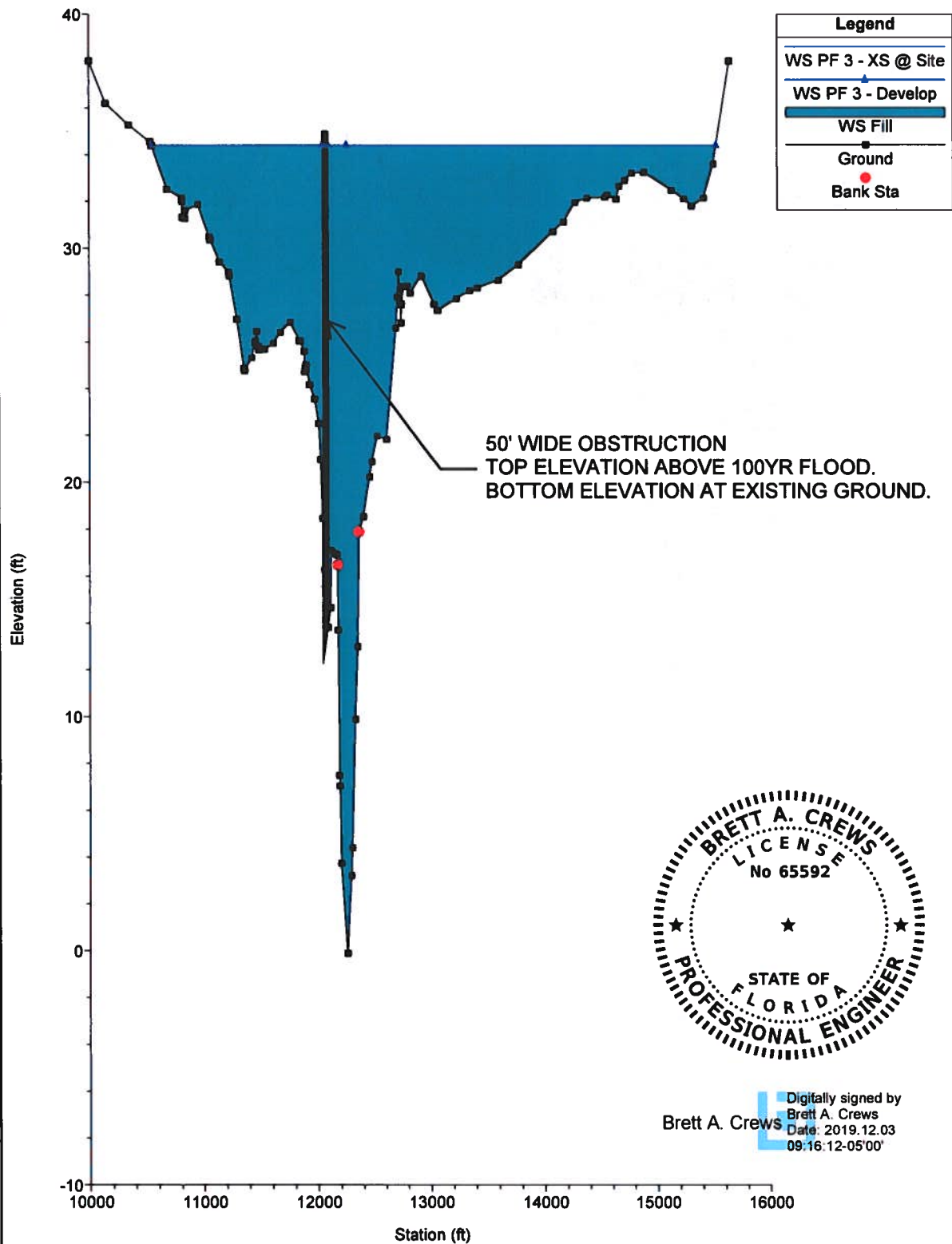


Davis Zero Rise Plan: 1) original 12/2/2019 2) XS @ Site 12/2/2019 3) Develop 12/3/2019

River = RIVER-1 Reach = Reach-1 RS = 10.06

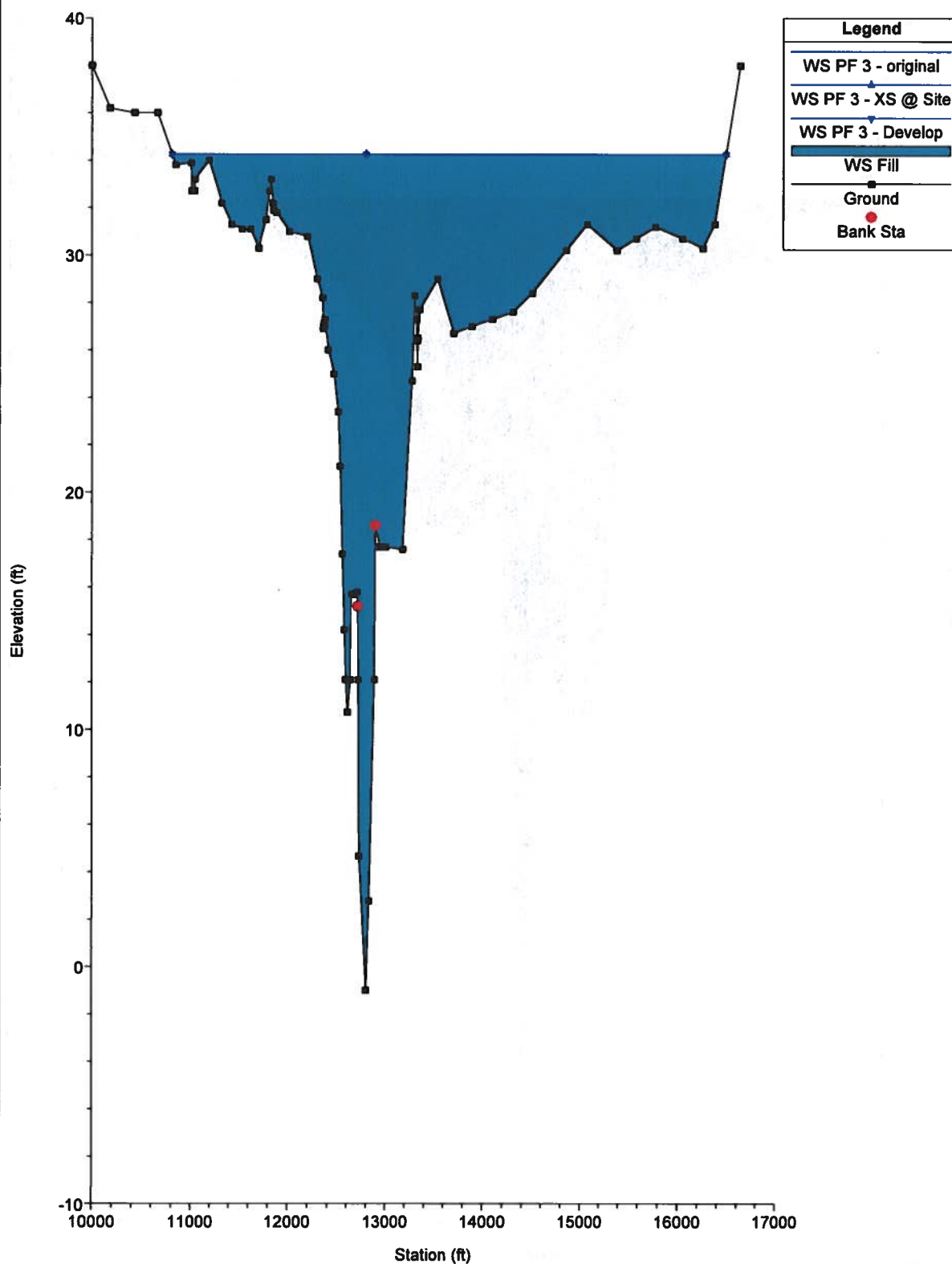


Davis Zero Rise Plan: 1) XS @ Site 12/2/2019 2) Develop 12/3/2019
River = RIVER-1 Reach = Reach-1 RS = 8.94 RS 8.94 Davis

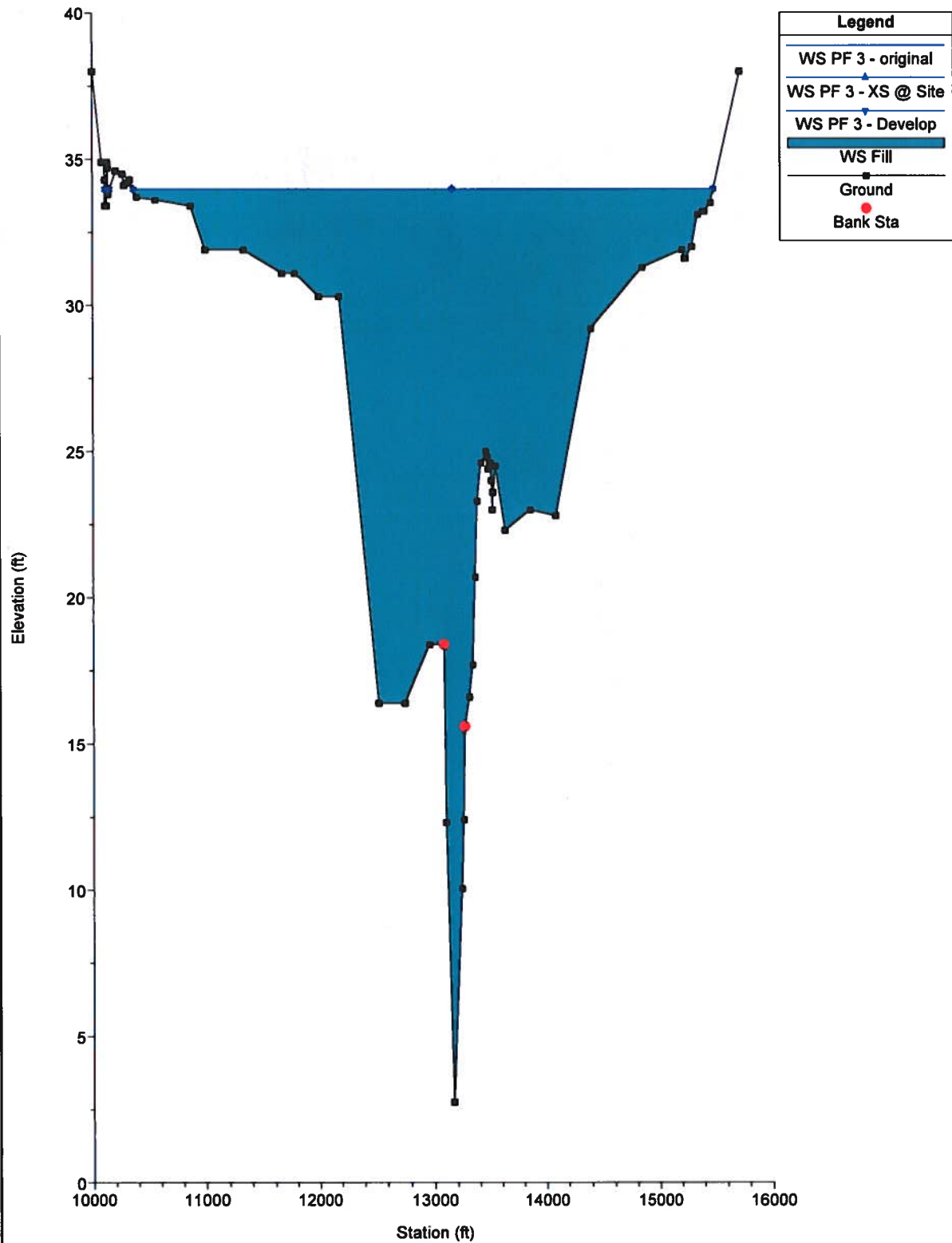


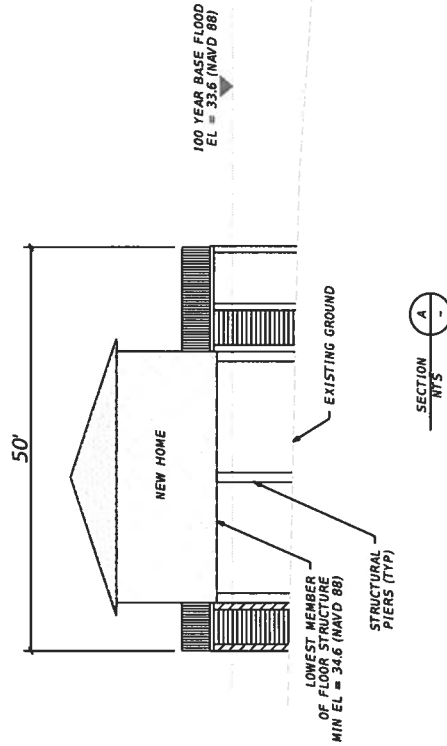
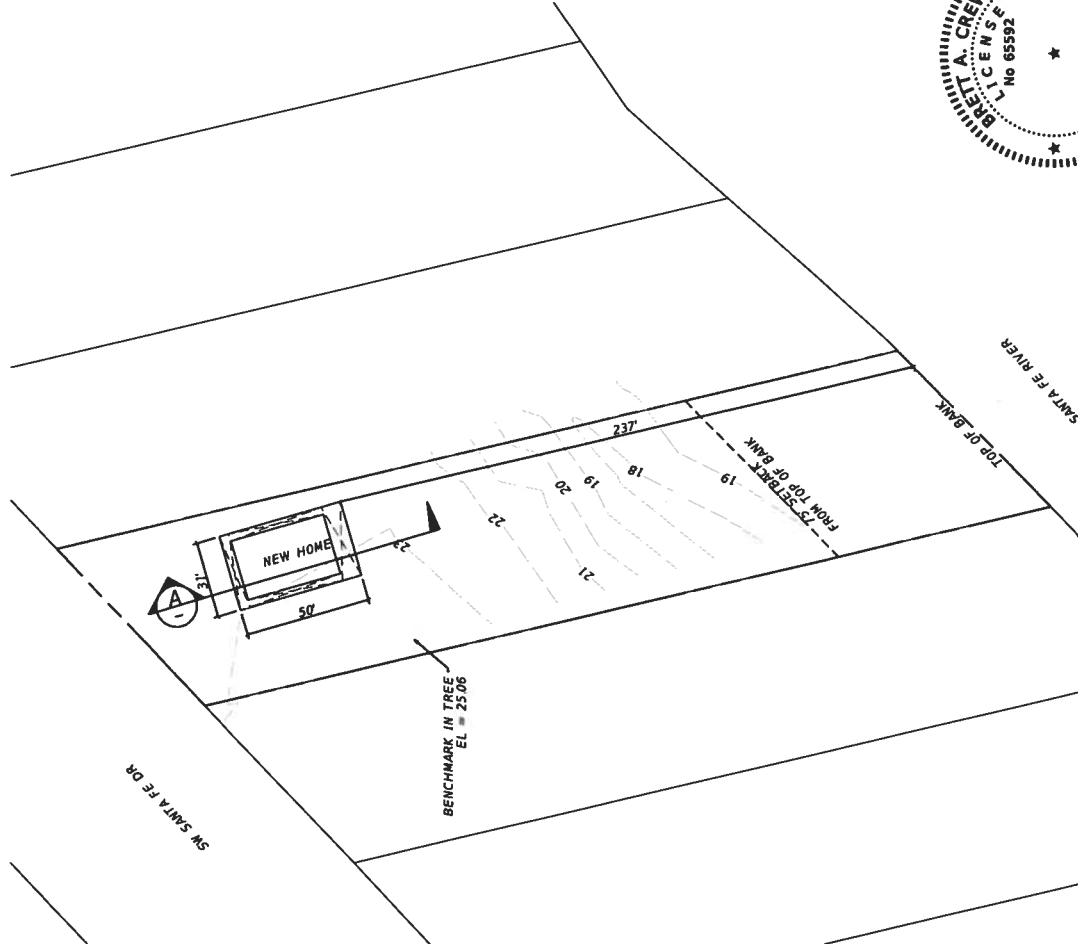
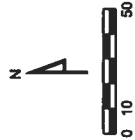
Davis Zero Rise Plan: 1) original 12/2/2019 2) XS @ Site 12/2/2019 3) Develop 12/3/2019

River = RIVER-1 Reach = Reach-1 RS = 8.43



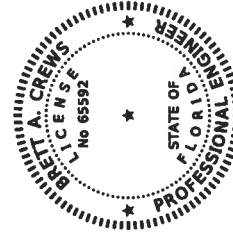
Davis Zero Rise Plan: 1) original 12/2/2019 2) XS @ Site 12/2/2019 3) Develop 12/3/2019
River = RIVER-1 Reach = Reach-1 RS = 7.64





NOTES:

1. EXISTING BOUNDARY AND TOPOGRAPHICAL INFORMATION BASED ON SURVEY PROVIDED BY THE CLIENT.
2. AREA UNDER BUILDING SHALL REMAIN OPEN TO ALLOW UNOBSTRUCTED FLOW OF FLOODWAY WATERS. NO SKIRTING, LATTICE OR OTHER MATERIALS SHALL BE PLACED AROUND BUILDING BELOW THE FLOOR STRUCTURE UNLESS DESIGNED TO BREAK AWAY UNDER FLOOD CONDITIONS.



CERTIFICATE OF AUTHORIZATION
NO. 20022
349 SW CREWS FARM TERRACE
LAKE CITY, FL 32025
PHONE: 386.623.4303

Digitally signed by
Brett A. Crews
DN: cn=Brett A. Crews,
o=CES, email=bcrew@cesllc.com
Brett A. Crews, P.E. 65592

DAVIS RIVER LOT
CES PROJECT NO.: 2019-008

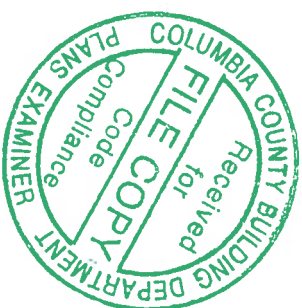
SITE PLAN

SHEET
SIT 1

DATE	REVISIONS	DESCRIPTION



BOONE RIVER RESIDENCE FOUNDATION PLANS COLUMBIA COUNTY, FL



Plan Sheet Index:

Sheet No.	Description
1	title/index sheet
2	pier elevation
3	foundation plan
4	pier detail

MJH
11-13-19



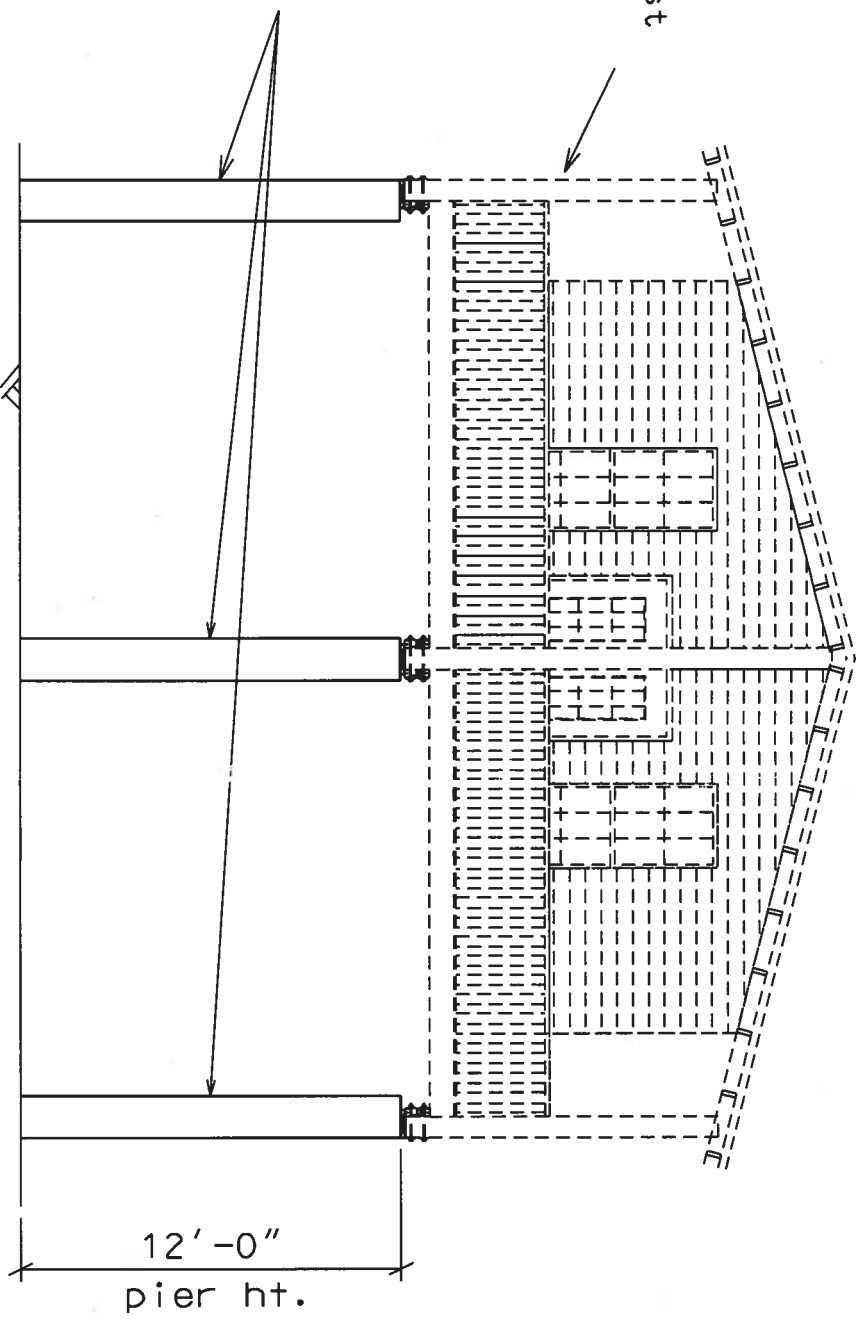
PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

BOONE RESIDENCE FOUNDATION PLANS
COLUMBIA COUNTY, FLORIDA

SHEET
1
OF
4

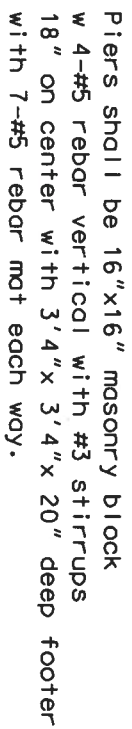
Existing home to be raised above pier locations, piers shall be constructed and home shall be lowered onto piers after at least a 7 day cure of the pier concrete.

New masonry piers. (see pier detail and foundation plan)

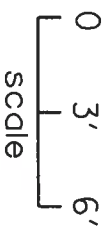


PIER ELEVATION

MJH
11-13-19

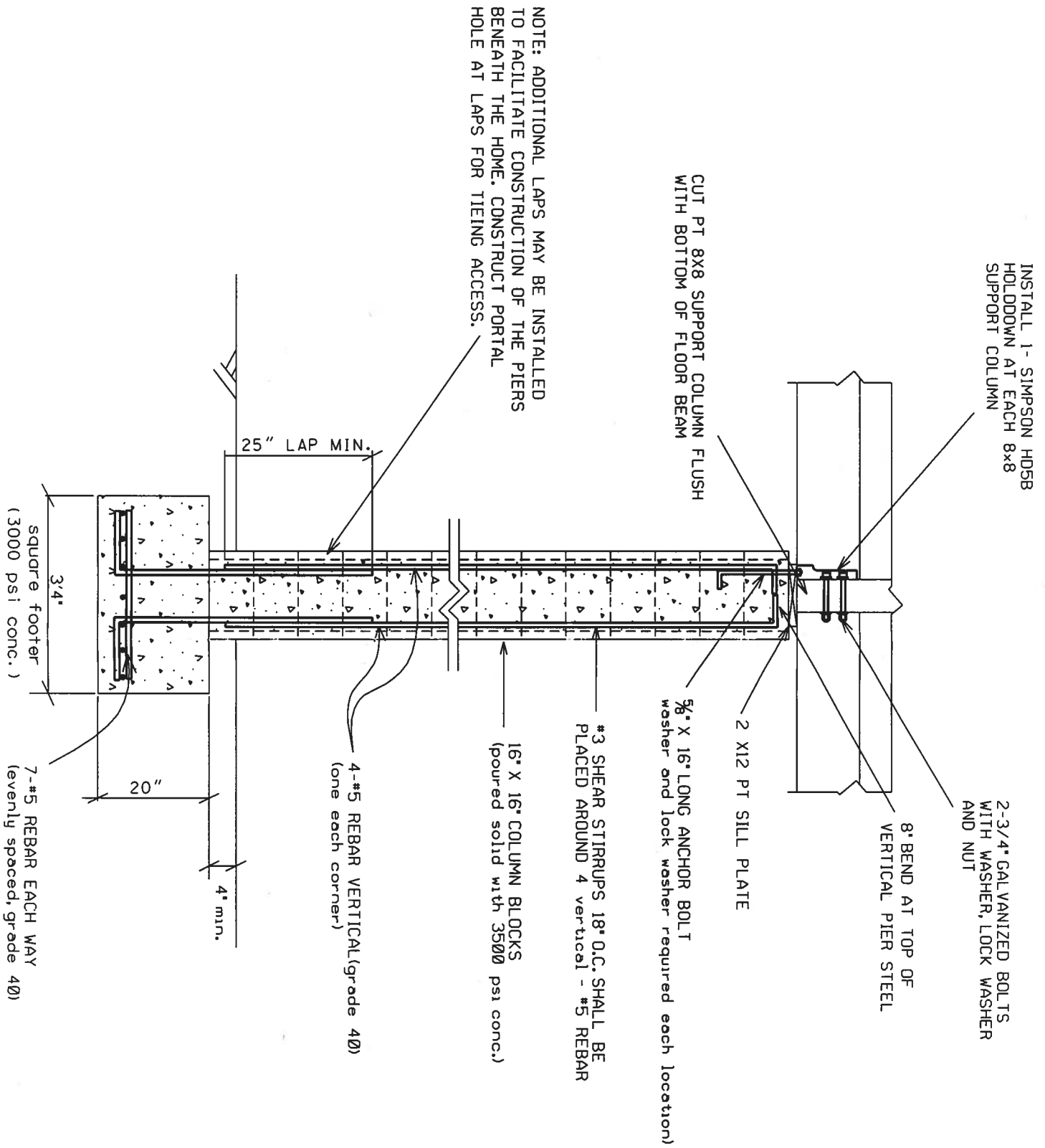


Note: Field verify dimensions prior to constructing piers.



11-13-19





PIER DETAIL (N.T.S.)

MAXIMUM HT. OF MASONRY PIER FOR THIS DESIGN IS 12'-8"
Note: Foundation designed for wind speed V_{ult} =130 mph,
exposure category B in accordance with the 2017 FBC.

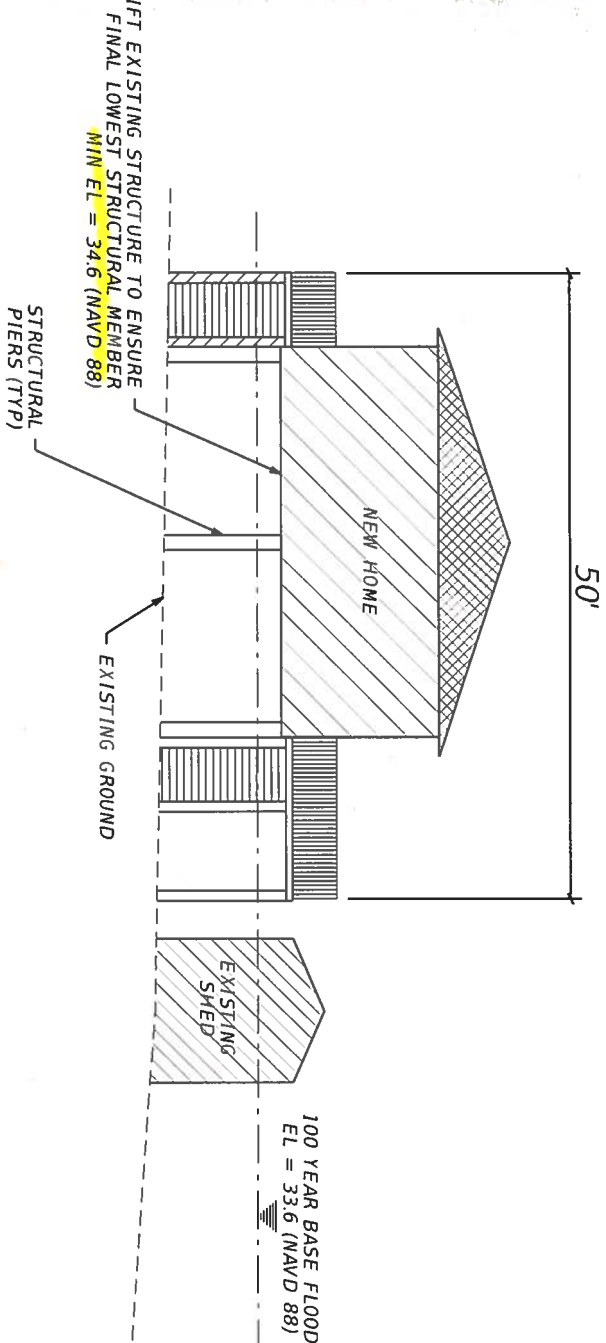
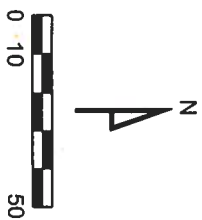
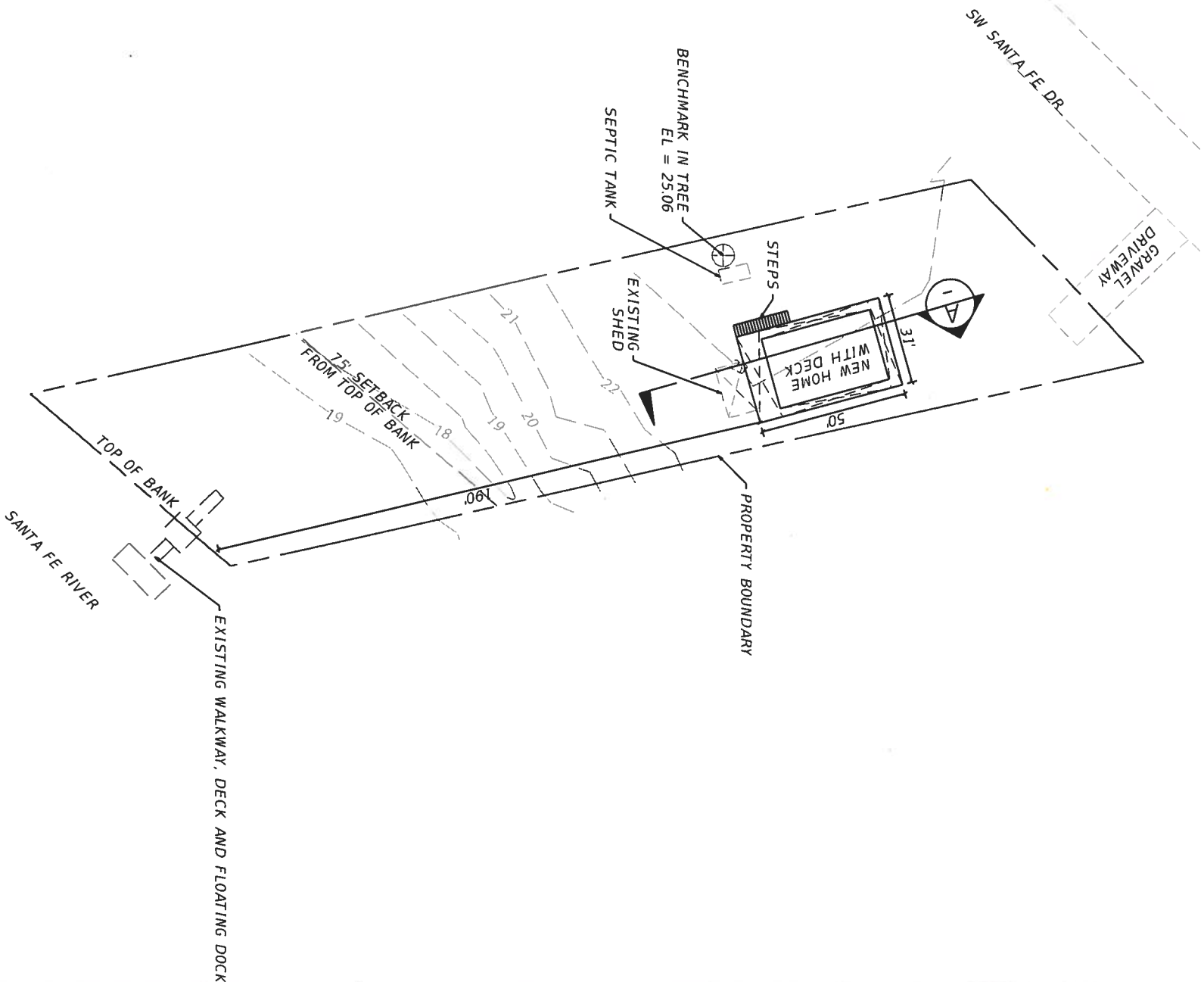
Marty J. Humphries
11-13-19



PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

BOONE RESIDENCE FOUNDATION PLANS
COLUMBIA COUNTY, FLORIDA

SHEET
4
OF
4



SECTION A-A
NTS

NOTES:

1. EXISTING BOUNDARY AND TOPOGRAPHICAL INFORMATION BASED ON SURVEY PROVIDED BY THE CLIENT.
2. AREA UNDER BUILDING SHALL REMAIN OPEN TO ALLOW UNOBSTRUCTED FLOW OF FLOODWAY WATERS. NO SKIRTING, LATTICE OR OTHER MATERIALS SHALL BE PLACED AROUND BUILDING BELOW THE FLOOR STRUCTURE UNLESS DESIGNED TO BREAK AWAY UNDER FLOOD CONDITIONS.
3. EXISTING ELEVATION OF THE LOWEST STRUCTURAL MEMBER OF BUILDING IS 30.3.

REVISIONS		DATE	DESCRIPTION
<div><div>Crews Engineering Services, LLC</div><div>CES</div></div>			
CERTIFICATE OF AUTHORIZATION NO. 28022 349 SW CREWS FARM TERRACE LAKE CITY FL 32025 PHONE: 386.623.4303			
Brett A. Crews, P.E. 655592		Digitally signed by Brett A. Crews Date: 2020.01.08 21:09:18-05'00'	
CES PROJECT NO.: 2019-008		DAVIS RIVER LOT	
SITE PLAN		SHEET	
SIT 1			

Suwannee River Water Management District
Effective Flood Information Report



- 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.

<p>Base Flood Elevation (BFE)</p> <p>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.</p> <p>A</p> <p>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.</p> <p>AE, A1-A30</p> <p>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.</p> <p>AH</p> <p>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.</p> <p>AO</p> <p>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.</p> <p>Supplemental Information:</p> <p>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.</p>	<p>AE FW (FLOODWAYS)</p> <p>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.</p> <p>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.</p> <p>VE</p> <p>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.</p> <p>X 0.2 PCT (X Shaded, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD)</p> <p>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.</p> <p>X</p> <p>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.</p>	<div><div>LINKS</div><div><p>FEMA:</p><p>http://www.fema.gov</p><p>SRWMD:</p><p>http://www.srwmd.state.fl.us</p></div></div> <div><div>CONTACT</div><div><p>SRWMD</p><p>9225 County Road 49</p><p>Live Oak, FL 32060</p><p>(386) 362-1001</p><p>Toll Free:</p><p>(800) 226-1066</p></div></div>
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NOTES:

1. BEARINGS ARE BASED ON THE SOUTH RIGHT OF WAY OF SW SANTA FE DRIVE, BEING N 46°35'00" E, ASSUMED.
2. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXCEPTION IS MADE HEREON TO UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREIN REGARDING EASEMENTS, RESERVATIONS AND RESTRICTIONS OF RECORD NOT PROVIDED BY THE CLIENT.
4. SCALE AND GRAPHIC LOCATION OF FENCES AND UTILITY POLES, IF ANY, MAY BE EXAGGERATED FOR CLARITY.
5. NO ATTEMPT WAS MADE BY THIS SURVEY TO DETERMINE IF THE SUBJECT PROPERTY LIES WITHIN A FLOOD PRONE AREA.

BOUNDARY SURVEY

LOT 29, UNIT 5,
THREE RIVERS ESTATES
SECTION 35, TWP 6-S, RNG 15-E
COLUMBIA COUNTY, FLORIDA

DESCRIPTION

(CORR. 1325, PG. 2531)
LOT 29, OF UNIT 5, THREE RIVERS ESTATES, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 4, AT PAGE 38, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

LEGEND

- DENOTES 5/8" IRON ROD & CAP SET (LB7683)
- DENOTES IRON PIPE OR REBAR FOUND (5/8")
- DENOTES 4"x4" CONCRETE MONUMENT SET (LB7683)
- DENOTES 4"x4" CONCRETE MONUMENT FOUND
- ⊙ DENOTES NAIL & DISC FOUND
- NO ID - NO IDENTIFICATION
- FND - FOUND
- CM - CONCRETE MONUMENT
- ± - MORE OR LESS
- ORB - OFFICIAL RECORDS BOOK
- PG - PAGE (S)
- (P) - PLAT
- (D) - DEED
- (C) - CALCULATED
- (M) - MEASURED
- AC - ACRES(S)
- POB - POINT OF BEGINNING
- POC - POINT OF COMMENCEMENT
- EOP - EDGE OF PAVEMENT
- EOG - EDGE OF GRADE
- N - NORTH
- E - EAST
- S - SOUTH
- W - WEST
- ⬢ - TELEPHONE PEDESTAL
- PC - POINT OF CURVATURE
- PI - POINT OF INTERSECTION
- PT - POINT OF TANGENCY
- IP - IRON PIPE
- IPC - IRON PIPE and CAP
- IR - IRON ROD
- IRC - IRON ROD and CAP
- R - RADIUS
- T - TANGENT
- L - ARC LENGTH
- A - CENTRAL ANGLE
- CH - CHORD BEARING & DISTANCE
- R/W - RIGHT OF WAY
- TWP - TOWNSHIP
- RNG - RANGE
- X — X DENOTES FENCE
- E — E DENOTES OVERHEAD ELECTRIC
- POWER POLE
- CONCRETE

SCALE: 1" = 50'



SURVEY FOR:

ELAINE DAVIS

08/13/2019

DATE OF CERTIFICATE

08/13/2019

DATE OF FIELD SURVEY

BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6449

Brian Scott Daniel

SURVEY VALID ONLY ON THE DATE OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

JOB NUMBER:
190179

APPROVED:
BSD

DRAWN BY:
BC

FIELD BOOK
25 : 18
ETB

SHEET NO.
1 OF 1

Corrected by Turner 3/2/2020