

DATE 09/26/2012

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030488

APPLICANT CLINT BOONE PHONE 623-1888
ADDRESS PO BOX 7044 LAKE CITY FL 32056
OWNER MICHEAL BADEL & ROBERT TOWNSEND PHONE 397-1311
ADDRESS 473 NW STEPHEN FOSTER DR WHITE SPRINGS FL 32096
CONTRACTOR MANUEL BRANNON PHONE 386-590-3289
LOCATION OF PROPERTY 41 N, L SUWANNEE VALLEY RD, R WHITE SPRINGS RD, R STEPHEN FOSTER DR, GO .38 MILES ON LEFT
TYPE DEVELOPMENT MH, UTILITY ESTIMATED COST OF CONSTRUCTION 0.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING ESA-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 12-004

PARCEL ID 18-2S-16-01650-002 SUBDIVISION STEPHEN FOSTER FOREST
LOT 2 BLOCK PHASE UNIT TOTAL ACRES

IH1025396
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 12-0285 BK TC Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MINIMUM FLOOR ELEVATION @ 86.9', NEED ELEVATION CERTIFICATE FOR BOTTOM OF FINISHED FLOOR AND EQUIPMENT, IN THE FLOODWAY

V0287 ON HOME SQ FT APPROVED Check # or Cash 32505

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Insulation
date/app. by date/app. by
Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 0.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 250.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 6.42 WASTE FEE \$ 16.75
FLOOD DEVELOPMENT FEE \$ 50.00 FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 398.17

INSPECTORS OFFICE CLERKS OFFICE

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. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"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 RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

This Instrument Prepared By:
Branden Strickland, Esquire
Strickland Law Firm, P.L.
10680 83rd Place
Live Oak, FL 32060

The preparer of this instrument has performed
no title examination nor has the preparer issued
any title insurance or furnished any opinion
regarding the title, names, addresses, tax
identification number and legal description
furnished by the parties herein.

GENERAL WARRANTY DEED

Individual to Individual

THIS WARRANTY DEED made August 13, 2007, **Michael Radel and Robert C. Townsend**, hereinafter called the grantor, to **Michael Radel and Robert C. Townsend, as joint tenants with full right of survivorship** whose post office address is: **447 NW Stephen Foster Drive, White Springs, FL 32096** hereinafter called the grantee:

(Wherever used herein the terms "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 corporation)

WITNESSETH that the Grantor, for and in consideration of the sum of \$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: Parcel ID# **01651-031**

See Exhibit 'A' attached hereto and by this reference made a part thereof.

TOGETHER with all 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, 2006.

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:

WITNESS

PRINTED NAME

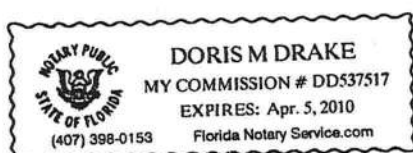
WITNESS

PRINTED NAME

STATE OF **FLORIDA**
COUNTY OF **Columbia**

The foregoing instrument was acknowledged before me August 13, 2007 by **Michael Radel and Robert C. Townsend** personally known to me or, if not personally known to me, who produced Drivers License for identification and who did not take an oath.

(SEAL)



Michael Radel
Michael Radel

Robert C. Townsend
Robert C. Townsend

Inst:200712020655 Date:9/12/2007 Time:9:19 AM
Doc Stamp-Deed:0.70

ST DC, P. DeWitt Cason, Columbia County Page 1 of 2

[Signature]
NOTARY PUBLIC

My Commission Expires:

ATS #15967

Exhibit "A"

Lot 2 and Lot 31, of Stephen Foster Forest, a subdivision as shown per plat thereof as recorded in Plat Book 3, Page 83, Public Records of Columbia County, Florida.

ALSO

Parcel 31-A: Begin at the Southwest corner of Lot 31 of Stephen Foster Forest, as per plat thereof recorded in Plat Book 3, Page 83, Public Records of Columbia County, Florida, thence South $23^{\circ}63'08''$ West, a distance of 170.86 feet; thence South $47^{\circ}32'20''$ East, a distance of 158.25 feet; thence North $23^{\circ}53'08''$ East, a distance of 169.96 feet to the Southeast corner of said Lot 31; thence North $47^{\circ}13'56''$ West, along the South line of said Lot 31, a distance of 158.54 feet to the Point of Beginning.

Also known as Lot 31-A of Stephen Foster Forest (unrecorded).

NO H² set of plans
1.c.

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 1-11) Zoning Official DLK 10 Sept. 2012 Building Official TC 9-5-12
AP# 12-08-81 Date Received 8/30/12 By CH Permit # 30488
Flood Zone AE Development Permit YES Zoning ESA-2 Land Use Plan Map Category ESA
Comments Elevation Certificate for bottom of finished floor and equipment
1/0287 on minimum sq. ft. Bottom of DP# 12-004
FEMA Map# 0359C Elevation 85.9' Finished Floor 86.9' River Suwannee In Floodway YES
☒ Site Plan with Setbacks Shown ☒ EH # 12-0285 ☐ EH Release ☐ Well letter ☒ Existing well
☒ Recorded Deed or Affidavit from land owner ☒ Installer Authorization ☒ State Rd Access ☒ 911 Sheet
☐ Parent Parcel # ☐ STUP-MH ☒ F W Comp. letter ☒ App Fee Pd ☒ VF Form
IMPACT FEES: EMS ☐ Fire ☐ Corr ☐ Out County ☒ In County
Road/Code ☐ School ☐ = TOTAL ☐ Suspended March 2009 ☐ Ellisville Water Sys

Property ID # 18-25-16-01650-002 Subdivision Stephen Foster Forest lot 2 Engineering on Piers
☒ New Mobile Home ☒ Used Mobile Home 11'10" x 32' MH Size 2012 Year 2012
Applicant Clint Boone Phone # 623-1888
Address PO Box 7044 Lake City FL 32056
Name of Property Owner Michael Badel & Robert Townsend Phone # 386-397-1311
911 Address 473 NW Stephen Foster Dr. White Springs, FL 32096
Circle the correct power company - FL Power & Light - Clay Electric
(Circle One) - Suwannee Valley Electric - Progress Energy
Name of Owner of Mobile Home Michael Badel Phone # 386-397-1311
Address 582 NW Stephen Foster Dr. White Springs FL 32096
Relationship to Property Owner Same
Current Number of Dwellings on Property 0
Lot Size 85'86" x 150.70' Total Acreage
Do you : Have Existing Drive or Private Drive or need Culvert Permit or Culvert Waiver (Circle one)
(Currently using) (Blue Road Sign) (Putting in a Culvert) (Not existing but do not need a Culvert)
Is this Mobile Home Replacing an Existing Mobile Home NO
Driving Directions to the Property US 41 North to C.A. 136 - turn left on C.A. 136 go
app. 1/4 mile to White Springs Rd - turn left go app 1/4 mile to Stephen
Foster Dr. turn left go 1/4 mile to lots on left
Name of Licensed Dealer/Installer Manuel Brannan Phone # 386-590-3289
Installers Address 5107 CR 252 Welborn Fla. 32094
License Number 102 5396 Installation Decal # 10311

Spike with Clint 9-24-12

COLUMBIA COUNTY PERMIT WORKSHEET

page 1 of 2

These worksheets must be completed and signed by the installer.
Submit the originals with the packet.

Installer Manuel Drannen License # 1025396

911 Address where home is being installed. 473 NW Stephen Foster Dr.

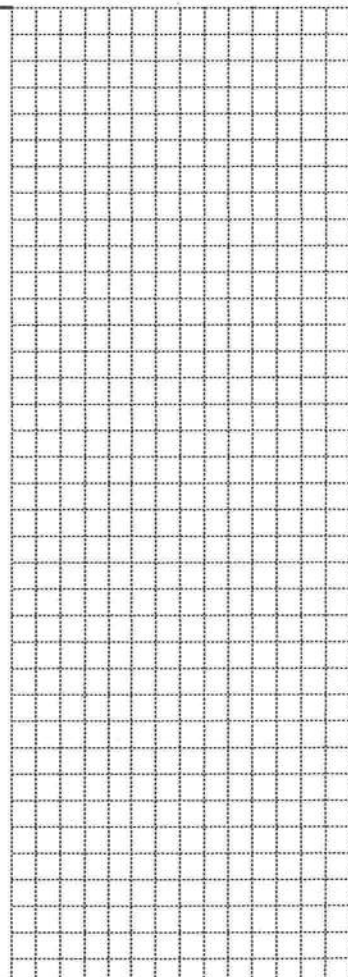
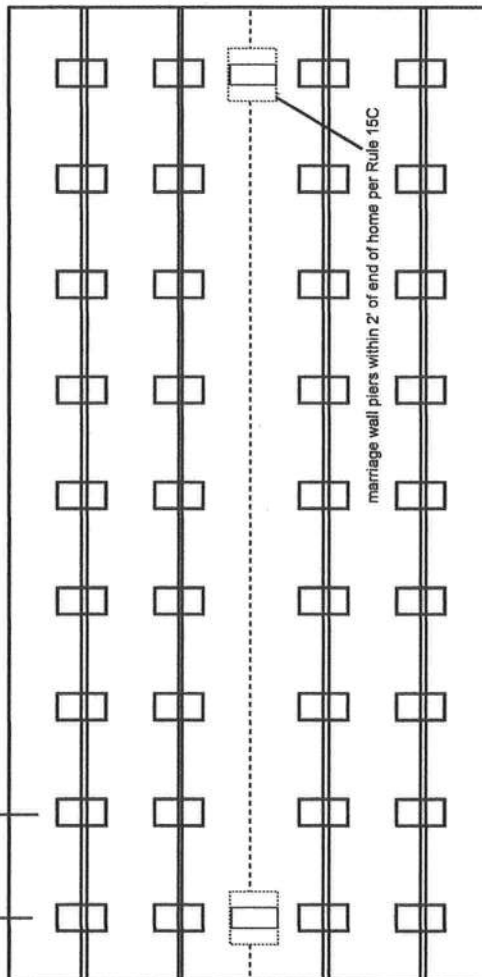
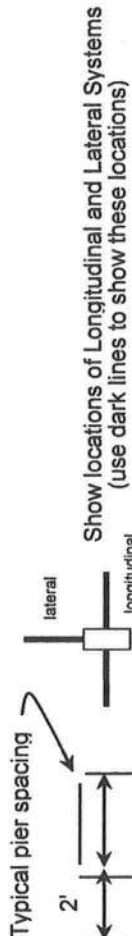
White Springs Fl. 32086

Manufacturer Champion Length x width 11'6" x 32'

NOTE: if home is a single wide fill out one half of the blocking plan
if home is a triple or quad wide sketch in remainder of home

I understand Lateral Arm Systems cannot be used on any home (new or used)
where the sidewall ties exceed 5 ft 4 in.

Installer's initials _____



Engineering

New Home ☒ Used Home ☐
Home installed to the Manufacturer's Installation Manual ☐
Home is installed in accordance with Rule 15-C ☐
Single wide ☒ Wind Zone II ☒ Wind Zone III ☐
Double wide ☐ Installation Decal # _____
Triple/Quad ☐ Serial # _____

PIER SPACING TABLE FOR USED HOMES

Load bearing capacity	Footer size (sq in)	16" x 16" (256)	18 1/2" x 18 1/2" (342)	20" x 20" (400)	22" x 22" (484)*	24" X 24" (576)*	26" x 26" (676)
1000 psf	3'	4'	4'	5'	6'	7'	8'
1500 psf	4'6"	6'	7'	8'	8'	8'	8'
2000 psf	6'	8'	8'	8'	8'	8'	8'
2500 psf	7'6"	8'	8'	8'	8'	8'	8'
3000 psf	8'	8'	8'	8'	8'	8'	8'
3500 psf	8'	8'	8'	8'	8'	8'	8'

* Interpolated from Rule 15C-1 pier spacing table.

PIER PAD SIZES

I-beam pier pad size _____
Perimeter pier pad size _____
Other pier pad sizes (required by the mfg.) _____

Draw the approximate locations of marriage wall openings 4 foot or greater. Use this symbol to show the piers.

List all marriage wall openings greater than 4 foot and their pier pad sizes below.

Opening _____ Pier pad size _____

4 ft _____ 5 ft _____

FRAME TIES

within 2' of end of home spaced at 5' 4" oc _____

TIEDOWN COMPONENTS

Longitudinal Stabilizing Device (LSD)

Manufacturer _____

Longitudinal Stabilizing Device w/ Lateral Arms

Manufacturer _____

OTHER TIES

Number _____

Sidewall _____

Longitudinal _____

Marriage wall _____

Shearwall _____

POPULAR PAD SIZES

Pad Size	Sq In
16 x 16	256
16 x 18	288
18.5 x 18.5	342
16 x 22.5	360
17 x 22	374
13 1/4 x 26 1/4	348
20 x 20	400
17 3/16 x 25 3/16	441
17 1/2 x 25 1/2	446
24 x 24	576
26 x 26	676

ANCHORS

POCKET PENETROMETER TEST

The pocket penetrometer tests are rounded down to _____ psf or check here to declare 1000 lb. soil _____ without testing.

X _____ X _____ X _____

POCKET PENETROMETER TESTING METHOD

1. Test the perimeter of the home at 6 locations.
2. Take the reading at the depth of the footer.
3. Using 500 lb. increments, take the lowest reading and round down to that increment.

X _____ X _____ X _____

TORQUE PROBE TEST

The results of the torque probe test is _____ inch pounds or check here if you are declaring 5' anchors without testing _____. A test showing 275 inch pounds or less will require 5 foot anchors.

Note: A state approved lateral arm system is being used and 4 ft. anchors are allowed at the sidewall locations. I understand 5 ft anchors are required at all centerline tie points where the torque test reading is 275 or less and where the mobile home manufacturer may require anchors with 4000 lb holding capacity.

Installer's initials

ALL TESTS MUST BE PERFORMED BY A LICENSED INSTALLER

Installer Name _____

Date Tested _____

Electrical

Connect electrical conductors between multi-wide units, but not to the main power source. This includes the bonding wire between multi-wide units. Pg. _____

Plumbing

Connect all sewer drains to an existing sewer tap or septic tank. Pg. _____

Connect all potable water supply piping to an existing water meter, water tap, or other independent water supply systems. Pg. _____

Site Preparation

Debris and organic material removed _____
Water drainage: Natural _____ Swale _____ Pad _____ Other _____

Fastening multi wide units

Floor: Type Fastener: _____ Length: _____ Spacing: _____
Walls: Type Fastener: _____ Length: _____ Spacing: _____
Roof: Type Fastener: _____ Length: _____ Spacing: _____

For used homes a min. 30 gauge, 8" wide, galvanized metal strip will be centered over the peak of the roof and fastened with galv. roofing nails at 2" on center on both sides of the centerline.

Gasket (weatherproofing requirement)

I understand a properly installed gasket is a requirement of all new and used homes and that condensation, mold, mildew and buckled marriage walls are a result of a poorly installed or no gasket being installed. I understand a strip of tape will not serve as a gasket.

Installer's initials _____

Type gasket _____
Pg. _____

Installed:

Between Floors Yes _____

Between Walls Yes _____

Bottom of ridgebeam Yes _____

Weatherproofing

The bottomboard will be repaired and/or taped. Yes _____ Pg. _____
Siding on units is installed to manufacturer's specifications. Yes _____
Fireplace chimney installed so as not to allow intrusion of rain water. Yes _____

Miscellaneous

Skirting to be installed. Yes _____ No _____

Dryer vent installed outside of skirting. Yes _____ N/A _____

Range downflow vent installed outside of skirting. Yes _____ N/A _____

Drain lines supported at 4 foot intervals. Yes _____

Electrical crossovers protected. Yes _____

Other: _____

Installer verifies all information given with this permit worksheet is accurate and true based on the

Installer Signature _____ Date _____

**Columbia County Building Department
Flood Development Permit**

**Development Permit
F 023- 12-004**

DATE 09/26/2012 BUILDING PERMIT NUMBER 000030488
APPLICANT CLINT BOONE PHONE 623-1888
ADDRESS PO BOX 7044 LAKE CITY FL 32056
OWNER MICHEAL BADEL & ROBERT TOWNSEND PHONE 397-1311
ADDRESS 473 NW STEPHEN FOSTER DR WHITE SPRINGS FL 32096
CONTRACTOR MANUEL BRANNON PHONE 386-590-3289
ADDRESS 5107 CR 252 WELBORN FL 32094
SUBDIVISION STEPHEN FOSTER FOREST Lot 2 Block Unit Phase
TYPE OF DEVELOPMENT MH, UTILITY PARCEL ID NO. 18-2S-16-01650-002

FLOOD ZONE AE F BY BK 2-4-2009 FIRM COMMUNITY # 120070 - PANEL # 0359C
FIRM 100 YEAR ELEVATION 85.9' PLAN INCLUDED YES or NO
REQUIRED LOWEST HABITABLE FLOOR ELEVATION 86.9'
IN THE REGULATORY FLOODWAY YES or NO RIVER Suwannee
SURVEYOR / ENGINEER NAME David Still LICENSE NUMBER 42088

 ONE FOOT RISE CERTIFICATION INCLUDED

✓ ZERO RISE CERTIFICATION INCLUDED

 SRWMD PERMIT NUMBER
(INCLUDING THE ONE FOOT RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED

INSPECTED DATE BY

COMMENTS

135 NE Hernando Ave., Suite B-21
Lake City, Florida 32055
Phone: 386-758-1008
Fax: 386-758-2160



1208-81 ~ 1208-82

AFFIDAVIT

**STATE OF FLORIDA
COUNTY OF COLUMBIA**

This is to certify that I, (We), Michael Radel & Robert Townsend
owner of the below described property:

Tax Parcel No. 01650-002 & 01650-003 *MP*

Subdivision (name, lot, block, phase) Stephen Foster Forest S/O Lot 2 & Lot 3 *MP*

Give my permission to Robert Townsend to place a
mobile home/travel trailer/single family home (circle one) on the above mentioned
property.

I (We) understand that this could result in an assessment for solid waste and fire
protection services levied on this property.

MICHAEL A. RADEL
Owner

Michael A Radel
Owner

SWORN AND SUBSCRIBED before me this 30 day of August,
20 12. This (these) person(s) are personally known to me or produced
ID _____.

Shirley P. Heath
Notary Signature



8:09:55 AM 9/5/2012

Licensee Details**Licensee Information**

Name: **STILL, DAVID A (Primary Name)**
(DBA Name)
Main Address: **9225 CR 49**
LIVE OAK Florida 32060
County: **SUWANNEE**
License Mailing:
LicenseLocation:

License Information

License Type: **Professional Engineer**
Rank: **Prof Engineer**
License Number: **42088**
Status: **Current,Active**
Licensure Date: **08/28/1989**
Expires: **02/28/2013**

Special Qualifications Qualification Effective

View Related License Information**View License Complaint**

1940 North Monroe Street, Tallahassee FL 32399 :: Email: Customer Contact Center :: Customer Contact Center: 850.487.1395

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Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. Please see our **Chapter 455** page to determine if you are affected by this change.

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 5/2/2012 DATE ISSUED: 5/24/2012

ENHANCED 9-1-1 ADDRESS:

473 NW STEPHEN FOSTER DR

WHITE SPRINGS FL 32096

PROPERTY APPRAISER PARCEL NUMBER:

18-2S-16-01650-002

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

Address Issued By: 

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.



COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave, Suite B-21, Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

MOBILE HOME INSTALLERS LETTER OF AUTHORIZATION

I, Manuel Brannen, give this authority for the job address show below
Installer License Holder Name

only, 473 NW STEPHEN FOSTER WHITE SPRINGS, FL 32096, and I do certify that
Job Address

the below referenced person(s) listed on this form is/are under my direct supervision and control
and is/are authorized to purchase permits, call for inspections and sign on my behalf.

Printed Name of Authorized Person	Signature of Authorized Person	Authorized Person is... (Check one)
Clint Boone	<u>Clint Boone</u>	☒ Agent ☐ Officer ☐ Property Owner
Charles Boone	<u>Charles P. Boone</u>	☒ Agent ☐ Officer ☐ Property Owner
		☐ Agent ☐ Officer ☐ Property Owner

I, the license holder, realize that I am responsible for all permits purchased, and all work done
under my license and I am fully responsible for compliance with all Florida Statutes, Codes, and
Local Ordinances.

I understand that the State Licensing Board has the power and authority to discipline a license
holder for violations committed by him/her or by his/her authorized person(s) through this
document and that I have full responsibility for compliance granted by issuance of such permits.

Manuel Brannen
License Holders Signature (Notarized)

1025396
License Number

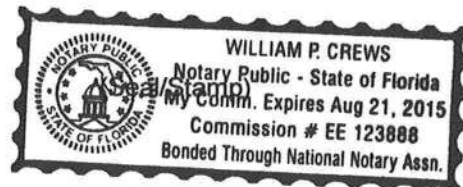
8-28-12
Date

NOTARY INFORMATION:

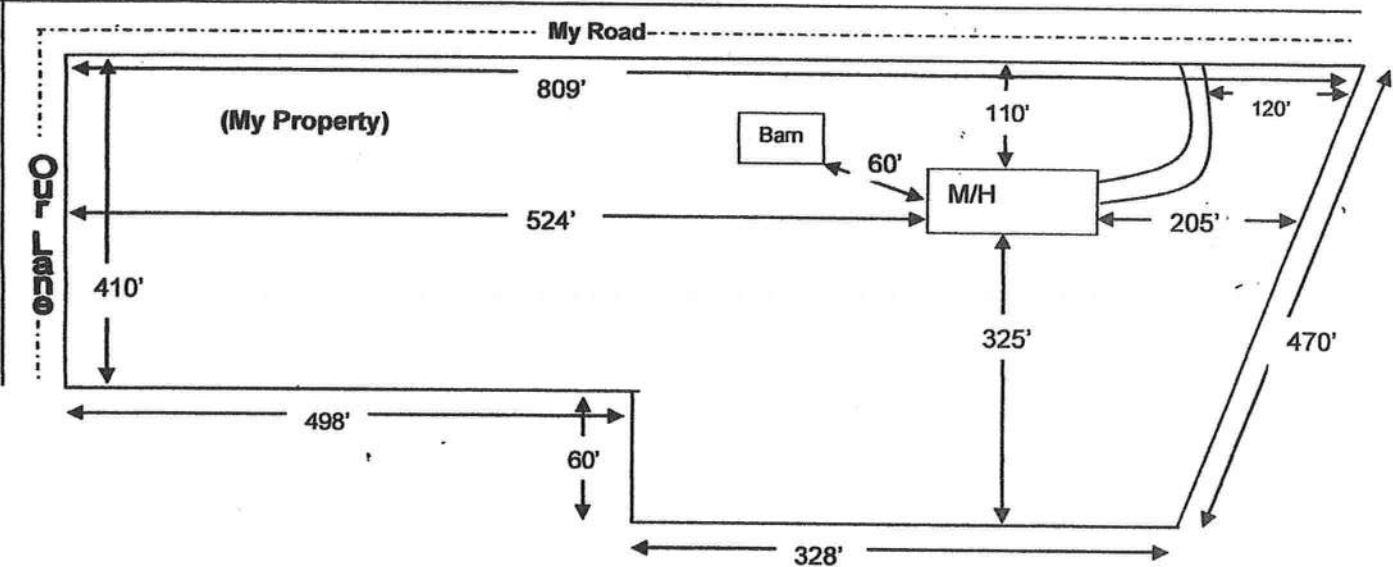
STATE OF: Florida COUNTY OF: Columbia

The above license holder, whose name is Manuel Brannen,
personally appeared before me and is known by me or has produced identification
(type of I.D.) Florida Driver's License on this 28th day of August, 2012.

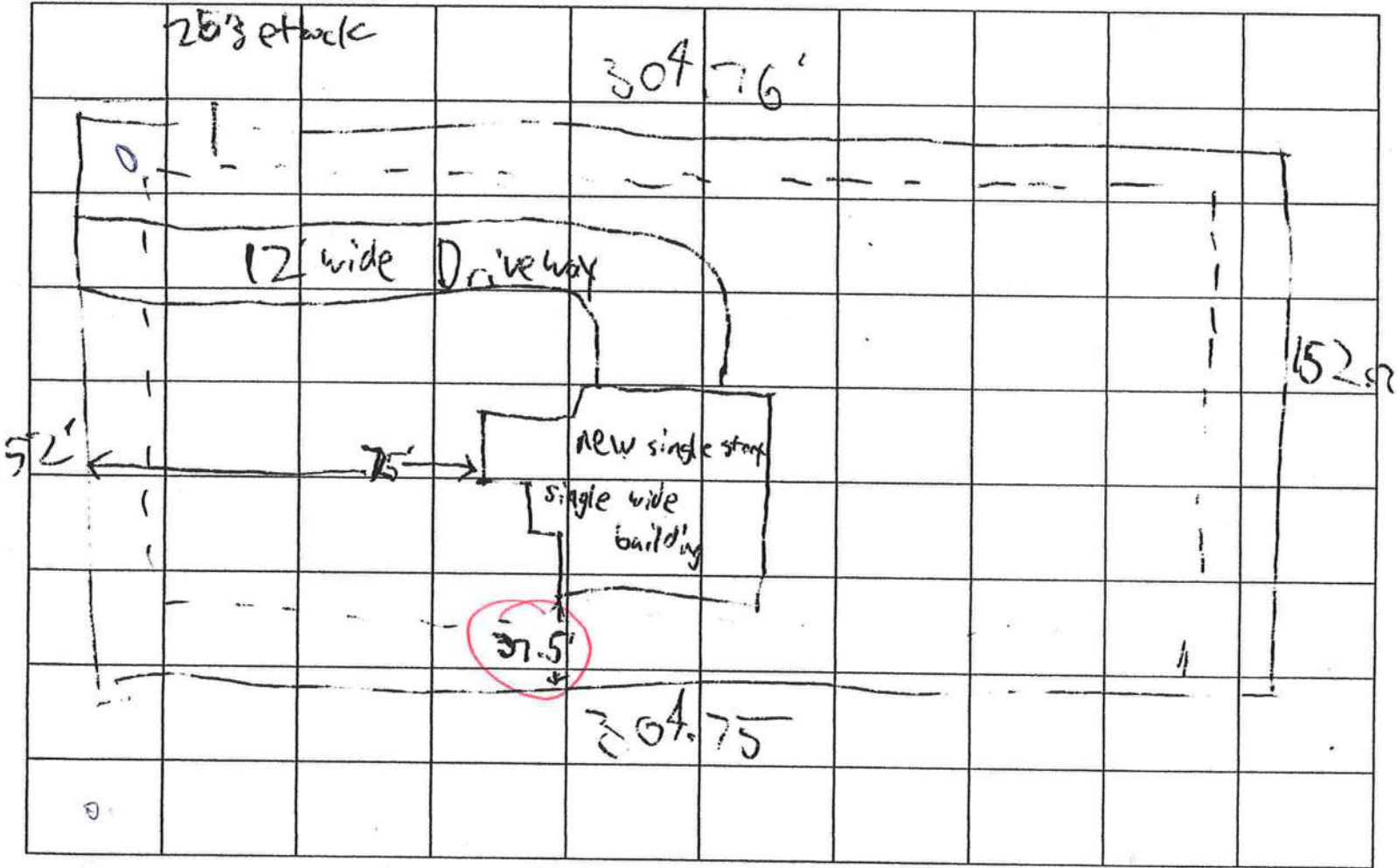
[Signature]
NOTARY'S SIGNATURE



SITE PLAN EXAMPLE / WORKSHEET



Use this example to draw your own site plan. Show all existing buildings and any other homes on this property and show the distances between them, Also show where the roads or roads are around the property. This site plan can also be used for the 911 Addressing department if you include the distance from the driveway to the nearest property line.



Columbia County Property Appraiser

CAMA updated: 8/2/2012

2011 Tax Year
[Tax Collector](#) [Tax Estimator](#) [Property Card](#)
[Parcel List Generator](#)
[Interactive GIS Map](#) [Print](#)

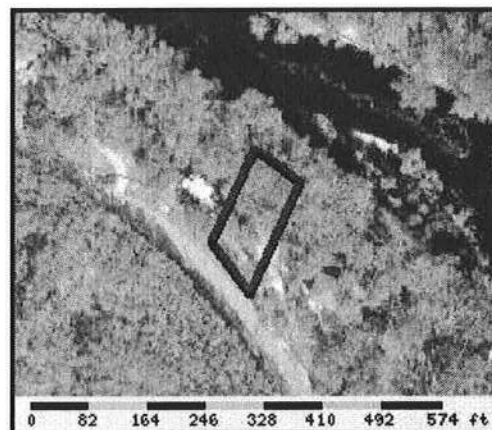
Parcel: 18-2S-16-01650-002

[<< Next Lower Parcel](#) [Next Higher Parcel >>](#)

Search Result: 1 of 1

Owner & Property Info

Owner's Name	RADEL MICHAEL &		
Mailing Address	TOWNSEND ROBERT C (JTWS) 447 NW STEPHEN FOSTER DRIVE WHITE SPRINGS, FL 32096		
Site Address	473 NW STEPHEN FOSTER FOREST DR		
Use Desc. (code)	NO AG ACRE (009900)		
Tax District	3 (County)	Neighborhood	18216
Land Area	0.000 ACRES	Market Area	03
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. LOT 2 STEPHEN FOSTER FOREST S/D. ORB 896-650, WD 1130-1782		



Property & Assessment Values

2011 Certified Values		
Mkt Land Value	cnt: (0)	\$24,960.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$24,960.00
Just Value		\$24,960.00
Class Value		\$0.00
Assessed Value		\$24,960.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$24,960 Other: \$24,960 Schl: \$24,960	

2012 Working Values

NOTE:

2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
8/13/2007	1130/1782	WD	V	U	01	\$100.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	78 FF - (0000000.000AC)	1.00/1.00/1.00/1.00	\$320.00	\$24,960.00

Columbia County Property Appraiser

CAMA updated: 8/2/2012

MOBILE HOME INSTALLATION SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1208-81 CONTRACTOR Manuel Braman PHONE 590-3289
1025396

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County 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 permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>Robert Townsend</u>	Signature <u>Robert Townsend</u>
	License #: <u>owner</u>	Phone #: <u>386-397-1511</u>
MECHANICAL/ A/C	Print Name <u>Robert Townsend</u>	Signature <u>Robert Townsend</u>
	License #: <u>owner</u>	Phone #: <u>386-397-1511</u>
PLUMBING/ GAS	Print Name <u>Manuel Braman</u>	Signature <u>Manuel Braman</u>
	License #: <u>1025396</u>	Phone #: <u>386-590-3289</u>

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	<u>C6C06055</u>	<u>Charles H. Boone</u>	<u>Charles H. Boone</u>
CONCRETE FINISHER	<u>C6C06055</u>	<u>Charles A. Boone</u>	<u>Charles A. Boone</u>

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor Forms: Subcontractor form: 1/11



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

000 152301538

PERMIT NO. 12-0080-N
DATE PAID: 4/10/12
FEE PAID: 5/30/12
RECEIPT #: 425.00
12-0080-1274143

APPLICATION FOR:

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

APPLICANT: Michael Badel / Robert Townsend cell 386-234-0461

AGENT: Robert Townsend TELEPHONE: 384-397-1311

MAILING ADDRESS: 447 NW Stephen Foster Dr. White Springs FL 32096

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: 243 BLOCK: 18-25-16-01450-002 SUBDIVISION: Stephen Foster Forest PLATTED: 5/16/1968

PROPERTY ID #: 18-25-16-01450-003 ZONING: A9-3 I/M OR EQUIVALENT: ☐ Y ☒ N

PROPERTY SIZE: 1/2 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ☐ ≤ 2000 GPD ☐ > 2000 GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ N DISTANCE TO SEWER: FT

PROPERTY ADDRESS: 473 NW Stephen Foster Dr. / 497 Stephen Foster Dr.

DIRECTIONS TO PROPERTY: Sunways Valley Rd to White Springs Rd - turn right on North. White Springs Rd to Stephen Foster Dr. Turn right on Stephen Foster Dr. Approximately 1/4 mile lots on left.

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	<u>Residential</u>	<u>1</u>	<u>379 sq ft</u>	
2	<u>Residential</u>	<u>1</u>	<u>329 sq ft</u>	
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify)

SIGNATURE: Robert Townsend DATE: 5/30/12

Kor

5/30/12

Permit Application Number 12-0785

Scale: Each block represents 10 feet and 1 inch = 40 feet.



owner

Not Approved

Date 6/19/12

By [Signature] Columbus

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

⑤





Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

12 September 2012

Clint Boone
P.O. Box 7044
Lake City, FL 32056-7044

RE: Mobile Home move-on Permit Applications 1208-81 and 1208-82, Radel and Townsend

Dear Mr. Boone:

The properties for which the above referenced applications have been made are located within the 100 year flood zone (Zone AE) with a base flood elevation of 86 feet (88NAVD) and the Floodway in accordance with the FEMA Flood Insurance Rate Maps (FIRM) effect as of 4 February 2009. Under the County's Land Development Regulations (LDR's) a zero (0) foot rise letter signed and seal by an engineer stating that the structure once placed on the property will not cause the flood waters to rise, including calculations will need to be submitted. This will need to be provided and reviewed for approval prior to the permit being issued. In addition, the finished floor elevation with any or all machinery and or equipment servicing the mobile home also to be one (1) foot above the FEMA determined flood elevation referenced above. Once the mobile home has been installed, an elevation certification from a surveyor will be required before permanent power will be released.

As this property is also located within the floodway of the Suwannee River, you will need to check with the Suwannee River Water management District to see if they will require a permit as well.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Kepner".

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: Robert Townsend
Michael Radel

APPEAL FOR A VARIANCE
TO BOARD OF ADJUSTMENT
COLUMBIA COUNTY, FLORIDA
APPLICATION

DO NOT WRITE IN THIS SPACE
OFFICE USE ONLY

Application No. V 0287 Date Filed 3 May 2012 Received By BLK

Date Set For Board of Adjustment 24 May 2012

Newspaper Notice Lake City Reporter Date of Notice Published _____

Fee \$750.00 Receipt No. 4282 Check No. 471

Comments: _____

SECTION TO BE COMPLETED BY APPLICANT

Name of Title Holder(s) Mike Badel Robert Townsend
R-522 NW Stephen Foster Dr.
Address 7-447 NW Stephen Foster Dr. City White Springs Zip Code 91.32096
328 506 - 8520
Phone (386) 397-1311 FAX () N/A

E-mail address (optional) _____

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business are public records available to the public and media upon request. Your e-mail address and communications may be subject to public disclosure.

Any other person(s) having ownership, interest in subject property? Yes _____ No X

If Yes, list such person(s) _____

NOTE: If the title holder(s) of the subject property are appointing an agent to represent them, a signed and notarized letter from the title holder(s) addressed to the Land Development Regulation Administrator

Title Holder(s) Representative Agent(s) _____

Address _____ City _____ Zip Code _____

Phone () _____ FAX () _____

E-mail address (optional) _____

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business are public records available to the public and media upon request. Your e-mail address and communications may be subject to public disclosure.

Tax Parcel ID# 18.25.16-01450-003
18.25.16-01450-002

Legal Description of Property (include copy of deed) Lot 2 Stephen Foster Forest
S/D OAB 896-656, WD 1130-1782 Lot 3 Stephen Foster Forest
S/D OAB 851-1014, 898-1045, WD 1010-1246

Size of Property 1/2 acre MOI

Land Use Classification Agricultural ^{Environmentally Sensitive Areas} Present Zoning District Ag-3 ^{ESA-2}

Present Use of Property residential
(residential, commercial, industrial, agriculture, vacant, etc.)

Previous Actions on Property by Applicant

A previous application was _____ was not ☒ made with respect to the subject property in this application.

Application Number(s) _____

1. Section of Land Development Regulations (LDR's) for which a Variance is Being Requested.

Section 2.4.14

2. Will the granting of a variance be in harmony with the neighborhood and not contrary to the intent and purpose of the Land Development Regulations (LDR's)? YES ☒ NO _____

Elaborate See Attachment #1

3. Are the conditions of hardship for which you are requesting a variance true only of your property? YES ☒ NO _____ If not, how many other properties are similarly effected?

4. Are the conditions on your property the result of other man-made changes (such as relocation of a road)? YES _____ NO ☒ If "YES", please describe _____

5. What characteristics of your property prevent it being used for any of the uses permitted within the zoning district that the property is located?

Shape _____ Size (to small) ☒ To Narrow _____ To Shallow ☒ Elevation _____
Slope ☒ Other _____
(specify)

6. Describe the items checked, giving dimensions where appropriate: _____

See attachment #1

7. How do the above stated conditions prevent any reasonable use of your property under the Land Development Regulations (LDR's)? _____

See attachment #1

8. Which of the following types of modifications will allow you a reasonable use of your property?

Change in setback requirement _____ (front, side or rear)
circle one

Change in lot coverage requirement _____ Change in offstreet parking requirement _____

Other Variance of minimum square foot requirements from 458' to 379'

9. If the variance request is for a reduction in setback requirements. Please state which property line(s) and the distance request. _____

10. To the best of your knowledge can you affirm that the hardship as described was not created by an action of anyone having interest in the property after the LDR's or applicable section thereof came into effect? YES ☒ NO _____

If "NO", explain why the hardship should not be regarded as being self-imposed. _____

Stephen Foster Forest SD was platted in the 1960's by realtor Mr. Arvil Dick. The river lots are small as to the best of my knowledge there were no rules governing lot sizes at that time.

NOTICE TO APPLICANT

The Board of Adjustment shall have power to authorize upon appeal such variance from the terms of these land development regulations as will not be contrary to the public interest where, owing to special conditions, a literal enforcement of the provisions of these land development regulations will result in unnecessary and undue hardship.

In granting any variance to the provisions of Article 4 of these land development regulations, the Board of Adjustment may prescribe appropriate conditions and safeguards in conformity with such regulations, including but not limited to, reasonable time limits within which the action for which variance is requested shall be begun or completed, or both. Violation of such conditions and safeguards, when made a part of the terms under which the variance is granted, shall be deemed a violation of these land development regulations.

Under no circumstances shall the Board of Adjustment grant a variance to permit a use not permitted under the terms of these land development regulations in the zoning district involved, or any use expressly or by implication prohibited by the terms of these land development regulations in the zoning district. No nonconforming use of neighboring lands, structures, or buildings in the same zoning district and no permitted use of lands, structures, or buildings in other zoning districts shall be considered grounds for the authorization of a variance.

The Board of Adjustment requires that the applicant or representative be present at the public hearing to address and answer any questions the Board may have during the public hearing. The application may be continued to future dates if the applicant or representative is not present at the hearing.

Fourteen (14) copies of a site plan must accompany an application for a Variance.

The Columbia County Land Development regulations require that a sign must be posted on the property ten (10) days prior to the Board to Adjustment hearing date. Once a sign has been posted, it is the property owner's responsibility to notify the Planning and Zoning Department if the sign has been moved, removed from the property, torn down, defaced or otherwise disturbed so the property can be reposted. If the property is not properly posted until all public hearings before the Board of Adjustment are completed, the Board reserves the right to continue such public hearing until such time as the property can be properly posted for the required period of time.

There is a thirty (30) day appeal period after the date of the decision. No additional permitting will be issued until that thirty (30) day period has expired.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR REPRESENTATIVE MUST BE PRESENT AT THE PUBLIC HEARING BEFORE THE BOARD OF ADJUSTMENT, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

Robert Townsend
MICHAEL A RADEL
Applicants Name or Agent (Print or Type)

Robert Townsend
Michael A. Radclif
Applicant or Agent Signature

May 3, 2012
Date

Attachment 1
Variance Application Property ID #
18-2S-16-01650-002
18-2S-16-01650-003

Application question #2: Will the granting of a variance be in harmony with the neighborhood and not contrary to the intent and purpose of the Land Development Regulations (LDR's)

YES: The river vacation homes located in this subdivision are mostly small (less than 800sq ft), and two property owners have chosen not to build. Those two property owners have installed a septic system, potable well and a concrete slab for their motor homes or travel trailers when they visit. The proposed dwellings considered in this variance request are to be vacation cabins for family and friends and will not serve as permanent residential dwellings.

Lots 2&3 are zoned Agricultural-3, Section 4.5 of the Land development Regulations. Section 4.5.5 Permitted Principal Uses and Structures Within Agricultural-3 Districts, paragraph (4) permits Mobile Homes.

Application question #6: Describe the items checked, giving dimensions where appropriate:
Items Checked are Size (to small), To Shallow and Slope.

Lot #2 dimensions are 85.86' wide x 150.70' deep; lot #3 dimensions are 85.86' wide x 168.80' deep. Even though the lots are long there is a deep wooded ravine on the northern part of the lot as you approach the Suwannee River. This ravine limits the buildable area of the parcels to the southern part of the lot adjacent to Stephen Foster Drive. This can be seen on the Topographic Survey of the lots, indicated by (Limits of Clearing).

Application question #7: How do the above stated conditions prevent any reasonable use of your property under the Land Development Regulations (LDR's)?

The buildable area of the lots will include a septic system, potable well and a 379sq.ft. mobile home. The next available size of mobile home is 600 sq.ft, the larger mobile home would create a hardship in locating the septic system, potable well and mobile home in the usable area of the lots. Granting this Variance request to allow a 379 sq.ft. mobile home to be used as a vacation home would permit the reasonable use of the property to include a septic system, potable well and mobile home.

Micro

Crossings Limited Series

CHAMPION

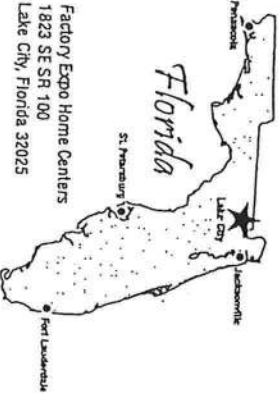
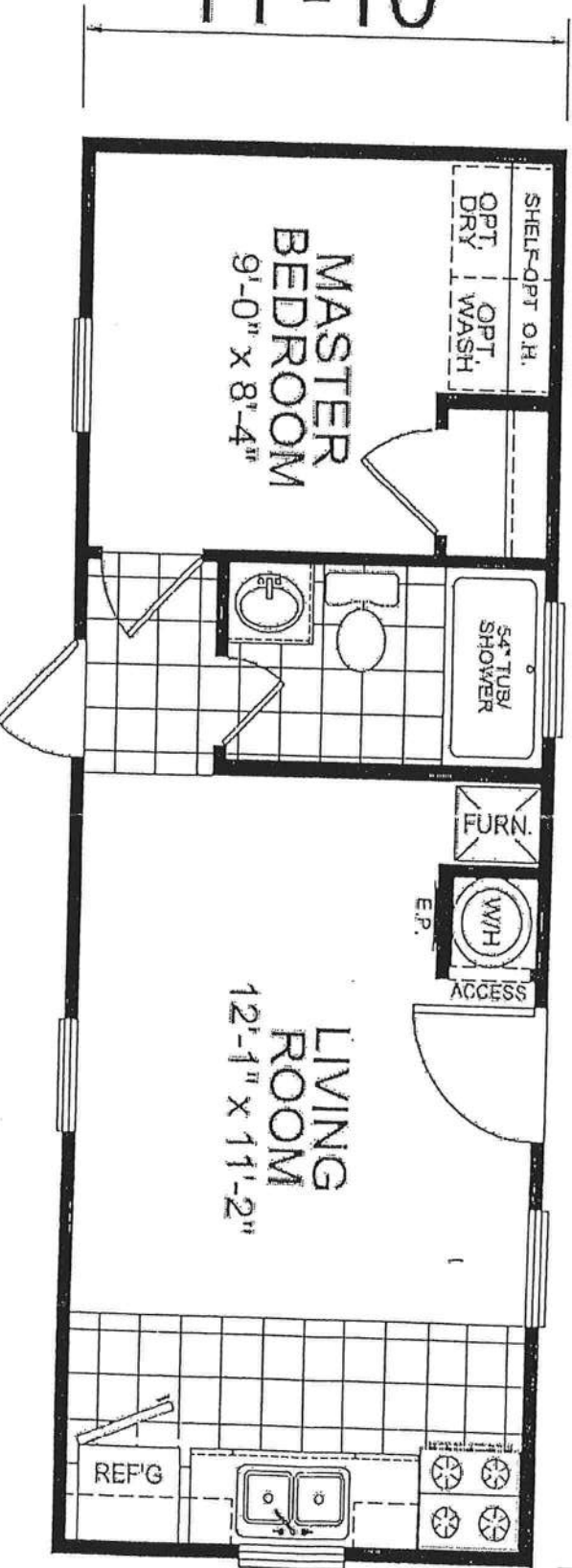
Factory Expo
"Factory Direct Value" HOME CENTERS

1 Bedroom, 1 Bath
Approx. 379 Sq. Ft.

Last Updated: 1-24-12.

32'

11'-10"



Factory Expo Home Centers
1823 SE SR 100
Lake City, Florida 32025

For Detailed Directions See Map On Our Website

1-800-290-1064

www.FactoryHomeSale.com

1-800-290-1064

www.FactoryHomeSale.com

Important: Due to our policy of constant improvement, all information in our brochures may vary from actual home. The right is reserved to make changes at any time, without notice or obligation, in colors, materials, specifications, processes, and models. All dimensions and square footage calculations are nominal and approximate figures. Please check with your sales person for specific and current information.

I authorize Factory Expo Home Centers to build my house, per this plan.

X _____

Customer Signature/Date _____



CROSSINGS LIMITED SERIES - HUD Standard Specifications

www.FactoryHomeSale.com 1-800-290-1064

CONSTRUCTION:

- Zone II Construction
- 3/12 Roof Pitch
- House Wrap
- Insulation: R-22 Roof, R-11- Walls, R-11 Floor
- 5/8" Tongue & Groove OSB Floor Decking
- 2x6 Floor Joists on 28' Wides & 32' Wides
- Exterior OSB Sheathing - All Exterior Walls
- OSB Roof Sheathing
- Florida Strapping
- 7'6" Sidewall Height
- 2x4 Exterior Walls 16" On Center
- 2x3 Interior Walls 24" On Center
- 2x4 Marriage Walls 16" On Center
- Continuous Ventilation System
- 1 Year Warranty

EXTERIOR:

- 3-Tab Roof Shingles
- Vinyl Lap Siding
- Dormer (model specific)
- Hardie Facia
- White Wide Window Trim on Front Door Side
- House Type Door with Storm
- Rear Door
- 6/6 Windows

INTERIOR:

- Knockdown Vaulted Ceiling
- 1 1/2" White Ceiling Trim C/A
- Vinyl Over Gypsum Walls (factory select)
- 16x16 Vinyl Floor Tile in Wet Areas
- 'Livewire' Carpet with Carpet Bar
- Rebond Carpet Pad
- 3-Arm Chandelier in Dining Room
- Textured Interior Doors with Round Door Knobs
- Mini Blinds & Valance Package
- Floor Mounted Door Stops

KITCHEN:

Last Updated: 1-24-12

- Whirlpool 30" Deluxe Electric Range
- Whirlpool 18" Frost Free Refrigerator
- Picture Frame Cabinet Doors
- City Scape Overhead Cabinet Layout
- Shelf Over Refrigerator
- Bank of Drawers
- Mar Resistant Countertops
- Cabinet Pulls on Cabinet Doors & Drawers
- 2" Ceramic Backsplash
- Acrylic Sink
- Gooseneck Faucet
- Baffle Can Light Over Sink

BATHROOMS:

- Fiberglass Shower in Master Bath (model specific)
- Oval Tub on Platform in Master Bath (model specific)
- 1-Piece Fiberglass Tub/Shower in Guest Bath
- Picture Frame Cabinet Doors
- Mar Resistant Counterops - 36" High in Master Bath
- 2" Ceramic Backsplash
- China Lavies
- Round Bowl Commodes
- Exhaust Fans
- Strip Lights Over Vanities

ENERGY SAVING COMFORT FEATURES:

(Electric - Plumbing - Heating - Utility)

- Floor Ducts
- 30 Gallon Electric Water Heater
- Plumb & Wire for Washer/Dryer
- Water Line Shut-Off Valves Throughout
- 200 Amp Main Panel Box
- Smoke Detectors (code specific)
- (1) Exterior GFI Receptacle
- Nail On Electrical Box

Factory Expo
"Factory Direct Value" HOME CENTERS

1823 S.E. State Road 100, Lake City, FL 32025
Local 386-466-1850 Fax 386-466-1893

CHAMPION

Our Manufactured Homes are crafted by Champion Home Builders in Lake City, FL, where the principles of cutting edge technology and design innovation are artfully blended to produce high quality yet VALUE-BASED residential homes. Leading the competition in experience and value, Champion helped pioneer factory built housing in 1953 and has since become one of America's largest home builders. Thank you for making Factory Expo Home Centers and Champion Homes your choice of home builder.

Important: Due to our policy of continuing improvement, all information in our brochures may vary from actual home. The right is reserved to make changes at any time, without notice or obligation, in colors, materials, specifications, processes, and models. All dimensions and square footage calculations are nominal and approximate figures. Please check with your sales person for specific and current information.

Customer Initials & Date: _____

STEPHEN FOSTER FOREST

BEING A PART OF THE NORTHWEST 1/4 SECTION 18
TOWNSHIP 2 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA

DESCRIPTION:

COMMENCE at the Northwest Corner of Section 18, Township 2 South, Range 16 East, Columbia County, Florida and run N 88° 43' 04" E along the North Line of said Section 18 a distance of 511.75 feet to the Four or Beginning; thence continue N 88° 43' 04" E along said North Line 890 feet more or less to the Water Edge on the left bank of the Suwannee River; thence, southeasterly along the Water Edge and the left bank of said Suwannee River 1750 feet more or less to a point; thence, S 0° 56' 49" E 40 feet more or less to a Concrete P.R.M.; thence continue S 0° 56' 49" E along same line 440.67 feet to the NW 1/4 Section 18; thence, S 88° 54' 42" W 42.37 feet; thence, N 0° 50' 49" W 237.20 feet; thence, N 23° 57' 08" E 54.03 feet; thence, N 47° 15' 36" W 162.27 feet; thence, N 23° 57' 08" E 148.75 feet; thence, N 50° 52' 56" W 48.03 feet; thence, N 74° 26' 17" W 211.33 feet; thence, N 0° 50' 11" W 80.46 feet to the Four or Beginning.

DEDICATION:

KNOW ALL MEN by these presents that SUMMICOLO CORPORATION, a Florida Corporation, has caused the lands herein described to be surveyed, laid out, subdivided, and platted as the STEPHEN FOSTER FOREST, in witness whereof the said SUMMICOLO CORPORATION has caused these presents to be signed in its name by its President and Assistant Secretary and its Corporate seal to be affixed and that the Streets and Roads as shown are hereby dedicated to the Public.

SUMMICOLO CORPORATION

Signed Harold H. Dicks President
Attest William A. Water Assistant Secretary
Date May 10, 1968

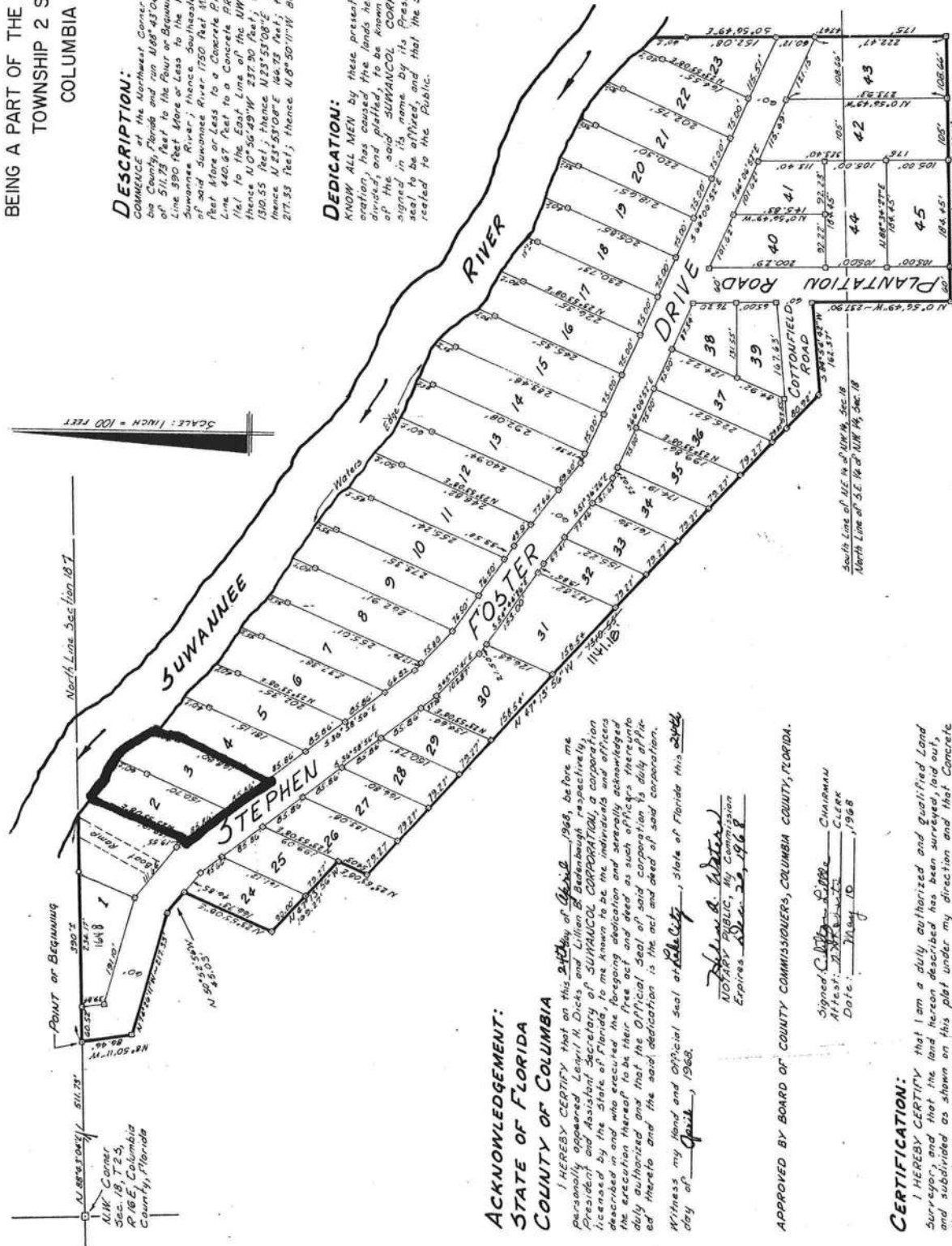
Witness William A. Water
William A. Water

APPROVED BY BOARD OF COUNTY COMMISSIONERS, COLUMBIA COUNTY, FLORIDA

Signed William A. Water Chairman
Attest William A. Water Clerk
Date May 10, 1968

LEGEND:

1. 0 = 4" x 1/4" x 1/4" Concrete P.R.M.
2. Bearings based on Florida State Plane Coordinate System.
3. Concrete P.R.M.'s placed on lot lines at top of bank along Suwannee River.
4. 0 = Iron Pin.



ACKNOWLEDGEMENT: STATE OF FLORIDA COUNTY OF COLUMBIA

I HEREBY CERTIFY that on this 10th day of May, 1968, before me personally appeared Harold H. Dicks and William A. Water, respectively, President and Assistant Secretary of SUMMICOLO CORPORATION, a corporation licensed by the State of Florida, to me known to be the individuals and officers described in and who executed the foregoing dedication and severally acknowledged the execution thereof to be their free act and deed as such officers thereunto duly authorized and that the Official Seal of said corporation is duly affixed hereto and the said dedication is the act and deed of said corporation.

Witness my hand and official seal of Columbia, State of Florida this 10th day of May, 1968.

William A. Water
NOTARY PUBLIC, My Commission Expires Dec. 30, 1968

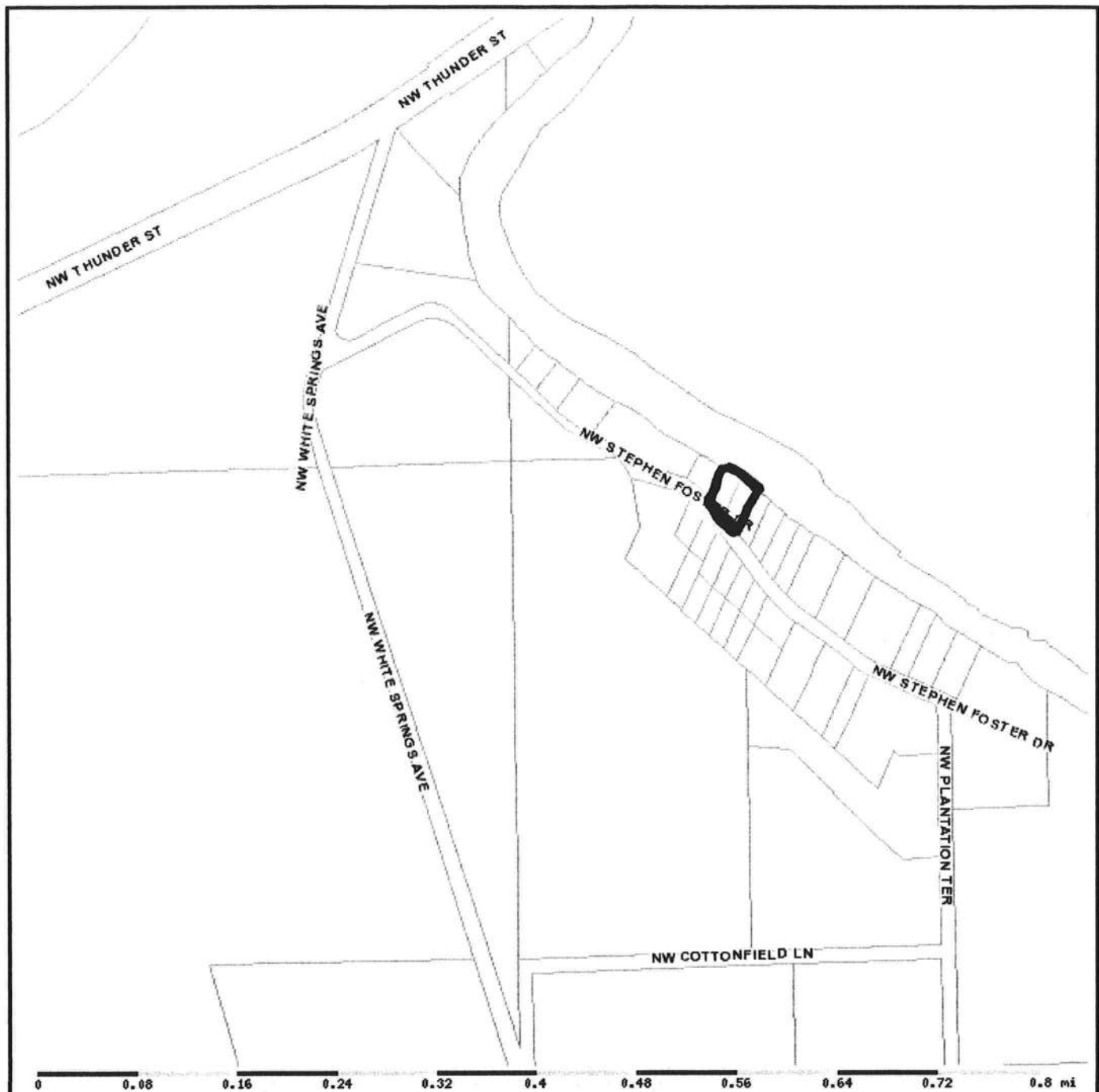
APPROVED BY BOARD OF COUNTY COMMISSIONERS, COLUMBIA COUNTY, FLORIDA.

Signed William A. Water Chairman
Attest William A. Water Clerk
Date May 10, 1968

CERTIFICATION:

I HEREBY CERTIFY that I am a duly authorized and qualified Land Surveyor, and that the land herein described has been surveyed, laid out, and subdivided as shown on this plat under my direction and that Concrete Monuments have been placed as shown hereon.

William A. Water
BENNETT & HATFIELD, P.L.S.
Fla. Reg. Cert. No. 1445



Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 18-2S-16-01650-002 - NO AG ACRE (009900)

LOT 2 STEPHEN FOSTER FOREST S/D. ORB 896-650, WD 1130-1782

Name: RADEL MICHAEL &

Site: 447 NW STEPHEN FOSTER FOREST DR

TOWNSEND ROBERT C (JTWS)

Mail: 447 NW STEPHEN FOSTER DRIVE

WHITE SPRINGS, FL 32096

Sales Info 8/13/2007

\$100.00

V / U

Taxbl

2011 Certified Values

Land \$24,960.00

Bldg \$0.00

Assd \$24,960.00

Exmpt \$0.00

Cnty: \$24,960
Other: \$24,960 | Schl: \$24,960

NOTES:



This information, updated: 5/2/2012, 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, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

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GrizzlyLogic.com

**CERTIFICATE OF
M/H OCCUPANCY**

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 18-2S-16-01650-002

Building permit No. 000030488

Permit Holder MANUEL BRANNON

Owner of Building MICHEAL RADEL & ROBERT TOWNSEND

Location: 473 NW STEPHEN FOSTER DR., WHITE SPRINGS, FL 32096



Date: 06/07/2013

Joey Cur

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

30488
30489

CONTRACTOR

MANUEL BRANNAN

PHONE

386-5903289

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County 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 permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>LOUIS SANSBY</u> License #: <u>EC13002771</u>	Signature <u>[Signature]</u> Phone #: <u>386.627.0914</u>
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

District No. 1 - Ronald Williams
District No. 2 - Rusty DePratter
District No. 3 - Bucky Nash
District No. 4 - Stephen E. Bailey
District No. 5 - Scarlet P. Frisina



Permit #
30488



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Memo of review for correctness and completion

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

- _____ The attached certificate requires correction by the surveyor of section (s) _____ prior to acceptance by the community.
- _____ The attached elevation certificate is complete and correct.
- ☒ Minor corrections have been made in the below marked section(s) by the authorized Community Official.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.		Company NAIC Number
City	State	ZIP Code
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)		
A5. Latitude/Longitude: Lat. _____ Long. _____		Horizontal Datum: ☐ NAD 1927 ☐ 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 _____		
A8. For a building with a crawl space or enclosure(s), provide: a) Square footage of crawl space or enclosure(s) _____ sq ft b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____ c) Total net area of flood openings in A8.b _____ sq in		A9. For a building with an attached garage, provide: a) Square footage of attached garage _____ sq ft b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____ c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <u>Columbia County</u> <u>120070</u>		B2. County Name		B3. State	
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No Designation Date _____ ☐ CBRS ☐ OPA					

Comments: Accepting old form due to FEMA allowing for a transition period to the new forms

reviewed 6 MARCH 2013

Date of Review: corrected 1 AUG. 2014

Community Official: B. L. Egan

All elevation certificates shall be maintained by the community and copies with the attached memo made available upon request.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

ELEVATION CERTIFICATE

000050788

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name RADEL MICHAEL & TOWNSEND ROBERT C
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
473 NW STEPHEN FOSTER DR
City WHITE SPRINGS State FL ZIP Code 32096

For Insurance Company Use:
Policy Number
Company NAIC Number

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
LOT 2 STEPHEN FOSTER FOREST S/D.parcel no. 18-2S-16-01650-002, 32Columbia co., Florida

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENCE

A5. Latitude/Longitude: Lat. 30DEG 19'19" Long. 82DEG 45'29.7"

Horizontal Datum: ☐ NAD 1927 ☒ 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 5

A8. For a building with a crawlspace or enclosure(s):

- a) Square footage of crawlspace or enclosure(s) NA sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade NA
c) Total net area of flood openings in A8.b NA sq in
d) Engineered flood openings? ☒ Yes ☐ No

A9. For a building with an attached garage:

- a) Square footage of attached garage NA sq ft
b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade NA
c) Total net area of flood openings in A9.b NA sq in
d) Engineered flood openings? ☒ Yes ☐ No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number 12023C0159C COLUMBIA CO UNINC & INC AREAS		B2. County Name Columbia		B3. State FL	
B4. Map/Panel Number 120070 0159	B5. Suffix C	B6. FIRM Index Date 2/4/2009	B7. FIRM Panel Effective/Revised Date 2/4/2009	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 86

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.

☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date _____ ☐ CBRS ☐ OPA

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. Use the same datum as the BFE.

Benchmark Utilized PBM 79.14 Vertical Datum NAVD88

Conversion/Comments _____

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 90.6 ☒ feet ☐ meters (Puerto Rico only)
b) Top of the next higher floor NA ☐ feet ☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) NA ☐ feet ☐ meters (Puerto Rico only)
d) Attached garage (top of slab) NA ☐ feet ☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building 87.0 ☒ feet ☐ meters (Puerto Rico only)
(Describe type of equipment and location in Comments)
f) Lowest adjacent (finished) grade next to building (LAG) 82.1 ☒ feet ☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 82.6 ☒ feet ☐ meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 82.3 ☒ feet ☐ meters (Puerto Rico only)

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. ☐

Check here if comments are provided on back of form.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

Certifier's Name WESLEY M. RABON

License Number 6127

Title PROFESSIONAL SURVEYOR & MAPPER

Company Name WESLEY M. RABON PSM

Address 398 NW NULL ROAD

City WHITE SPRINGS

State FL

ZIP Code 32096

Signature

Date

Telephone 386-397-1199

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.

Policy Number

473 NW STEPHEN FOSTER DR

City WHITE SPRINGS State FL ZIP Code 32096

Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments AC=90.3 FEET, ELECTRIC METER 87.0 FEET

[Signature]
Signature

2/22/2013
Date

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

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.

- 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).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- 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? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

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's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments

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 and G9.

- G1. ☐ 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. ☐ 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. ☐ The following information (Items G4-G9) 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: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ ☐ feet ☐ meters (PR) Datum _____

G10. Community's design flood elevation _____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 473 NW STEPHEN FOSTER DR	For Insurance Company Use: Policy Number
City WHITE SPRINGS State FL ZIP Code 32096	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page, following.



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 473 NW STEPHEN FOSTER DR	For Insurance Company Use: Policy Number
City WHITE SPRINGS State FL ZIP Code 32096	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."	



Permit #
30488

District No. 1 - Ronald Williams
District No. 2 - Rusty DePratter
District No. 3 - Bucky Nash
District No. 4 - Stephen E. Bailey
District No. 5 - Scarlet P. Frisina



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Memo of review for correctness and completion

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

- _____ The attached certificate requires correction by the surveyor of section (s) _____ prior to acceptance by the community.
- _____ The attached elevation certificate is complete and correct.
- ☒ Minor corrections have been made in the below marked section(s) by the authorized Community Official.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:			
A1. Building Owner's Name		Policy Number			
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	473 NW Stephen Foster Dr	Company NAIC Number			
City	White Springs	State	FL	ZIP Code	32096
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)					
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)					
A5. Latitude/Longitude: Lat. _____ Long. _____ Horizontal Datum: ☐ NAD 1927 ☐ 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 _____					
A8. For a building with a crawl space or enclosure(s), provide:			A9. For a building with an attached garage, provide:		
a) Square footage of crawl space or enclosure(s) _____ sq ft			a) Square footage of attached garage _____ sq ft		
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____			b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____		
c) Total net area of flood openings in A8.b _____ sq in			c) Total net area of flood openings in A9.b _____ sq in		

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number		B2. County Name		B3. State	
Columbia County 120070					
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date _____ ☐ CBRS ☐ OPA ☐ Yes ☐ No					

Comments: Accepting old form due to FEMA allowing for a transition period to the new forms

reviewed 6 March 2013

Date of Review: corrected 1 AUG. 2014

Community Official: B L Legan

All elevation certificates shall be maintained by the community and copies with the attached memo made available upon request.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

000038488
OMB No. 1660-0008
Expires March 31, 2012

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name RADEL MICHAEL & TOWNSEND ROBERT C		For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 473 NW STEPHEN FOSTER DR		Policy Number
City WHITE SPRINGS State FL ZIP Code 32096		Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 2 STEPHEN FOSTER FOREST S/D, parcel no. 18-2S-16-01650-002, 32Columbia co., Florida		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENCE		
A5. Latitude/Longitude: Lat. 30DEG 19'19" Long. 82DEG 45'29.7"		Horizontal Datum: ☐ NAD 1927 ☒ 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 5		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) NA sq ft		a) Square footage of attached garage NA sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade NA		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade NA
c) Total net area of flood openings in A8.b NA sq in		c) Total net area of flood openings in A9.b NA sq in
d) Engineered flood openings? ☒ Yes ☐ No		d) Engineered flood openings? ☒ Yes ☐ No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number 12023C0159C COLUMBIA CO UNINC & INC AREAS		B2. County Name Columbia	B3. State FL		
B4. Map/Panel Number 120070 0159	B5. Suffix C	B6. FIRM Index Date 2/4/2009	B7. FIRM Panel Effective/Revised Date 2/4/2009	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 86
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. ☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No Designation Date _____ ☐ CBRS ☐ OPA					

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. Use the same datum as the BFE.
Benchmark Utilized PBM 79.14 Vertical Datum NAVD88
Conversion/Comments _____

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 90.6	☒ feet ☐ meters (Puerto Rico only)
b) Top of the next higher floor NA	☐ feet ☐ meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) NA	☐ feet ☐ meters (Puerto Rico only)
d) Attached garage (top of slab) NA	☐ feet ☐ meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 87.0	☒ feet ☐ meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) 82.1	☒ feet ☐ meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) 82.6	☒ feet ☐ meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 82.3	☒ feet ☐ meters (Puerto Rico only)

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. ☐
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

Certifier's Name WESLEY M. RABON	License Number 6127
Title PROFESSIONAL SURVEYOR & MAPPER	Company Name WESLEY M. RABON PSM
Address 398 NW NULL ROAD	City WHITE SPRINGS State FL ZIP Code 32096
Signature 	Date 2/22/2013 Telephone 386-397-1199



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. 473 NW STEPHEN FOSTER DR	Policy Number
City WHITE SPRINGS State FL ZIP Code 32096	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

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

Comments AC=90.3 FEET, ELECTRIC METER 87.0 FEET

Signature W. M. Nelson Date 2/22/2013

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

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.

- 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).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- 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? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

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's or Owner's Authorized Representative's Name _____

Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			

☐ Check here if attachments

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 and G9.

- G1. ☐ 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. ☐ 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. ☐ The following information (Items G4-G9) 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: ☐ New Construction ☐ Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ ☐ feet ☐ meters (PR) Datum _____
- G10. Community's design flood elevation _____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

☐ Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 473 NW STEPHEN FOSTER DR	For Insurance Company Use: Policy Number
City WHITE SPRINGS State FL ZIP Code 32096	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page, following.



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 473 NW STEPHEN FOSTER DR	For Insurance Company Use: Policy Number
City WHITE SPRINGS State FL ZIP Code 32096	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."	





FEMA

Resource Record Details

National Flood Insurance Program Elevation Certificate and Instructions



The National Flood Insurance Program (NFIP) Elevation Certificate (EC) is an administrative tool of the NFIP which is to be used to provide elevation information necessary to ensure compliance with to community floodplain management ordinances, to determine the proper insurance premium rate, or support a request for a Letter of Map Amendment (LOMA).

FEMA will permit a "phase-in" of the revised EC on a voluntary basis. During the 12-month transition period beginning August 1, 2012, we will accept either the new form or the old form. Elevations certified after the last day of the transition period must be submitted on the new Elevation Certificate form with the expiration date of July 31, 2015.

Document Details:

Media Type:	File
Availability:	Online Custom CD/DVD
Language:	English
Date Published:	02/2013

 Add to My Bookshelf

0 Rise Certifications for Robert Townsend



David Still, P.E.

The enclosed report is in partial fulfillment of requirements by Columbia County Land Development Regulations as per letter dated 12 September to Mr. Clint Boone from Mr. Brian L. Kepner, LDR Administrator, County Planner.

David Still, PE & Asso., LLC
10966 South U.S. Highway 441
Lake City, Florida 32025

386.288.6390

9/17/2012



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

12 September 2012

Clint Boone
P.O. Box 7044
Lake City, FL 32056-7044

RE: Mobile Home move-on Permit Applications 1208-81 and 1208-82, Radel and Townsend

Dear Mr. Boone:

The properties for which the above referenced applications have been made are located within the 100 year flood zone (Zone AE) with a base flood elevation of 86 feet (88NAVD) and the Floodway in accordance with the FEMA Flood Insurance Rate Maps (FIRM) effect as of 4 February 2009. Under the County's Land Development Regulations (LDR's) a zero (0) foot rise letter signed and seal by an engineer stating that the structure once placed on the property will not cause the flood waters to rise, including calculations will need to be submitted. This will need to be provided and reviewed for approval prior to the permit being issued. In addition, the finished floor elevation with any or all machinery and or equipment servicing the mobile home also to be one (1) foot above the FEMA determined flood elevation referenced above. Once the mobile home has been installed, an elevation certification from a surveyor will be required before permanent power will be released.

As this property is also located within the floodway of the Suwannee River, you will need to check with the Suwannee River Water management District to see if they will require a permit as well.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Kepner".

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: Robert Townsend
Michael Radel

19 September 2012

Mr. Brian L. Kepner

Land Development Regulation Administrator, County Planner

Columbia County, Florida

Subject: Mobile Home move-on Permit Applications 1208-81 and 1208-82

Dear Mr. Kepner:

Regarding your letter to Mr. Clint Boone regarding the above referenced permits, enclosed is he requirements requested in your letter.

I performed two zero rise calculation using the U.S. Army Corps of Engineers HEC-RAS model. The downstream lot, 18-2S-16-01650-002, will not cause flood waters to rise once the structure is placed on the lot. The signed and sealed HEC-RAS runs are included for you review.

I also performed the required calculations for the upstream lot, 18-2S-16-01650-003, again using the USACOE HEC-RAS model. Again the results of the modeling show that the structures placed on the property and elevated one foot above the 1% chance flood of 85.9 feet to 86.9 feet as shown on the flood report will no cause flood water to rise once the structure is placed on the lot. These elevations are minimum requirements by LDRs.

The owner is aware of the required elevation certificate for a registered land surveyor upon construction completion. I also checked with the Suwannee River Water Management District regarding permits required through that agency.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.288.6390.

Sincerely,



David Still, P.E.
David Still, P.E. & Associates, LLC
10966 South U.S. Highway 441
Lake City, Florida 32025



September 19, 2012

FLOOD INSURANCE STUDY



COLUMBIA COUNTY, FLORIDA AND INCORPORATED AREAS

Columbia County



COMMUNITY NAME
COLUMBIA COUNTY
(UNINCORPORATED AREAS)
FORT WHITE, TOWN OF
LAKE CITY, CITY OF

COMMUNITY NUMBER
120070
120349
120406

FEBRUARY 4, 2009



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
12023CV000A

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NGVD)			
CROSS SECTION	DISTANCE	WIDTH ³ (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Santa Fe River(Continue) W X Y Z AA AB AC	32.18 ¹	2,115/1,129	27,858	0.9	52.2	52.2	53.0	0.8
	33.09 ¹	2,322/1,743	30,800	0.8	53.1	53.1	54.1	1.0
	33.85 ¹	4,222/1,303	50,494	0.5	53.7	53.7	54.7	1.0
	35.57 ¹	5,589/255	43,347	0.8	54.6	54.6	55.5	0.9
	37.98 ¹	2,490/2,341	36,149	0.9	55.9	55.9	56.7	0.8
	39.02 ¹	622/538	9,525	3.4	56.4	56.4	57.3	0.9
	39.81 ¹	1,753/121	28,891	1.1	57.7	57.7	58.6	0.9
Suwannee River A B C D E F G H I J K L M N O P Q	166.34 ²	4,173/177	58,902	0.6	85.8	85.8	86.8	1.0
	166.93 ²	4,916/161	82,272	0.4	86.0	86.0	87.0	1.0
	158.15 ²	7,174/6,736	118,621	0.3	86.2	86.2	87.2	1.0
	169.35 ²	4,392/2,918	65,101	0.5	86.6	86.6	87.6	1.0
	169.80 ²	2,528/47	34,603	1.0	86.8	86.8	87.8	1.0
	170.11 ²	3,334/1,861	40,196	0.8	87.2	87.2	88.2	1.0
	171.09 ²	3,463/2,976	45,834	0.7	88.0	88.0	89.0	1.0
	172.42 ²	4,596/3,575	52,773	0.6	89.0	89.0	89.9	0.9
	173.89 ²	3,379/3,143	53,982	0.6	89.9	89.9	90.9	1.0
	174.74 ²	2,274/1,399	31,981	1.0	90.5	90.5	91.5	1.0
	176.17 ²	3,098/1,327	36,929	0.9	91.3	91.3	92.3	1.0
	177.71 ²	1,540/540	27,258	1.2	92.7	92.7	93.7	1.0
	178.85 ²	3,313/46	47,537	0.7	93.5	93.5	94.5	1.0
	180.47 ²	2,934/1,823	39,890	0.8	94.2	94.2	95.2	1.0
	182.10 ²	3,259/578	39,912	0.8	95.3	95.3	96.3	1.0
	183.61 ²	2,314/1,243	33,602	0.9	96.2	96.2	97.2	1.0
	184.53 ²	3,732/2,211	50,181	0.6	96.7	96.7	97.7	1.0

¹Miles above confluence with Suwannee River

²Miles above mouth

³Width/ Width within county boundary

FEDERAL EMERGENCY MANAGEMENT AGENCY

COLUMBIA COUNTY, FL
AND INCORPORATED AREAS

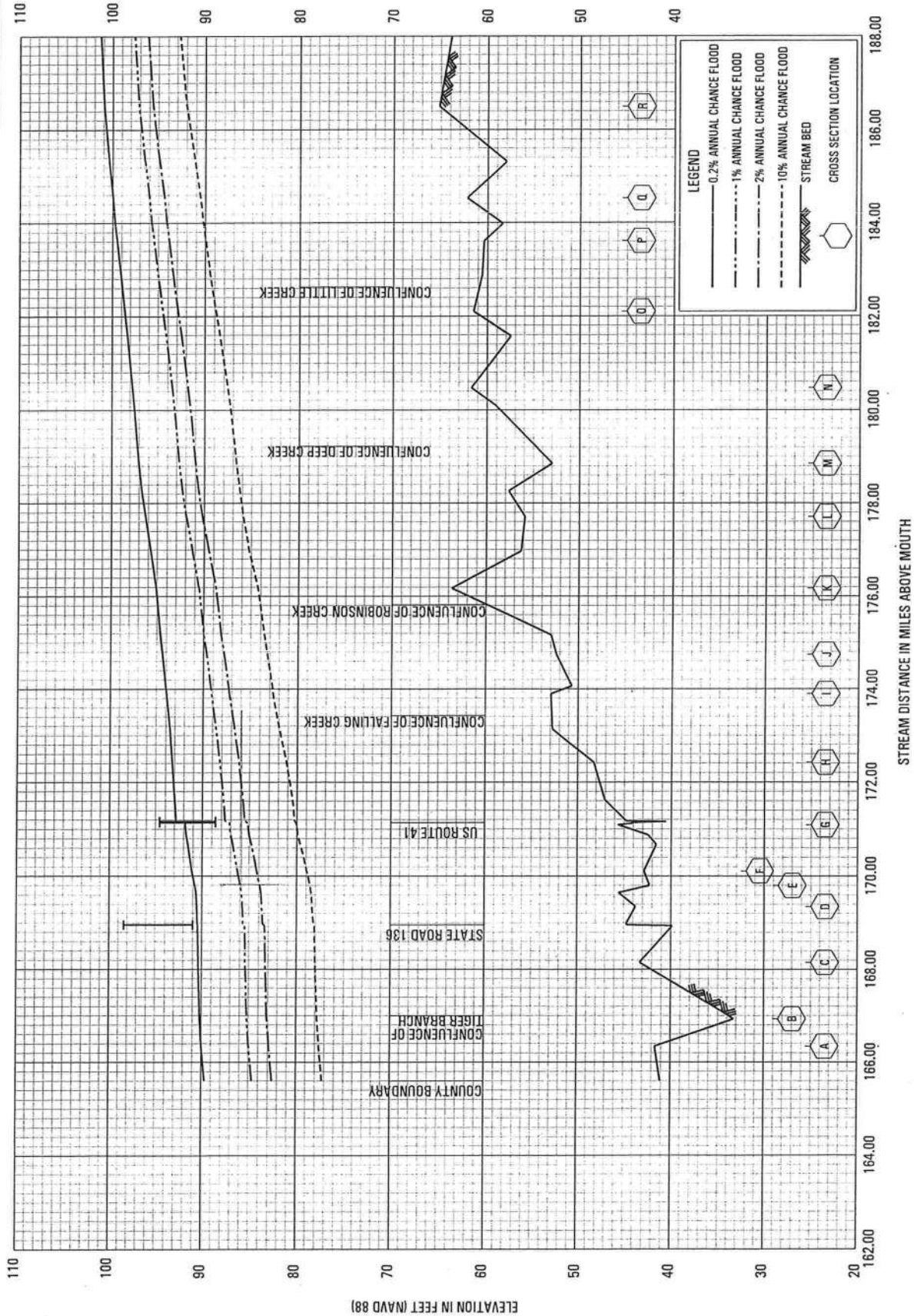
FLOODWAY DATA

SANTA FE RIVER - SUWANNEE RIVER

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
COLUMBIA COUNTY, FL
AND INCORPORATED AREAS

FLOOD PROFILES
SUWANNEE RIVER





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

Location
Date: 09-17-2012
Parcel: 18-2S-16-01650-002
County: Columbia
STR: S018 T02 R16
Columbia Flood Hazard Areas Status: Effective:
02/04/2009

Flood Information
FIRM Panel(s): 12023C0159C, 12047C0359
C

Parcel In Special Flood
Hazard Area? (SFHA): Yes
Flood Zone(s): AE FW
1% Annual Chance
Flood Elev (BFE): 85.9 (feet)
Floodway: Yes
10% Annual
Chance Flood Elev: 78.6 (feet)
50% Annual
Chance Flood Elev: 68.6 (feet)
Note: Elevations are based on NAVD88

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.



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

Date: 09-19-2012

Parcel: 18-2S-16-01650-003

County: Columbia

STR: S018 T02 R16

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

FIRM Panel(s): 12023C0159C, 12047C0359
C

Parcel In Special Flood
Hazard Area? (SFHA): Yes

Flood Zone(s): AE FW

1% Annual Chance
Flood Elev (BFE): 85.9 (feet)

Floodway: Yes

10% Annual
Chance Flood Elev: 78.6 (feet)

50% Annual
Chance Flood Elev: 68.6 (feet)

Note: Elevations are based on NAVD88

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.

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Existing Conditions
HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X  XXXXXX  XXXX      XXXX      XX      XXXX
X      X  X      X      X      X  X      X
X      X  X      X      X      X  X      X
XXXXXXX XXXX      X      XXX XXXX      XXXXXX  XXXX
X      X  X      X      X      X  X      X
X      X  X      X      X      X  X      X
X      X  XXXXXX  XXXX      X      X      X      XXXXX

```

PROJECT DATA

Project Title: Suwannee River Upper Section

Project File : Suwannee.prj

Run Date and Time: 9/18/2012 2:44:34 PM

Project in English units

Project Description:

Suwannee River Floodplain model. Converted to HEC-RAS bridge routines by Dewberry 6-31-06.

Model uses fixed starting elevations for multi-profile and floodway runs at section 127.49 which ties in to the revised HEC-RAS model produced for Dixie, Gilchrist and Lafayette County DFIRMS produced in 2005 by Dewberry and URS.

Datum conversions were performed as follows to convert the entire model from NGVD29 to NAVD88:

Alapaha (entirely Hamilton County) -0.76

Withlacoochee (Madison and Hamilton Counties) $(-0.7+(-0.76))/2$
= -0.73

Suwannee Reaches:
WtoSF (mile 127.49-Withlacoochee) (Madison and Suwannee Counties)
 $(-0.72+(-0.7))/2 = -0.71$

AlatoW (Alapaha to Withlacoochee) (Suwannee and Hamilton Counties)
 $(-0.72+(-0.76))/2 = -0.74$

UpstreamEnd (State Line to Alapaha) (Hamilton, Suwannee and Columbia Counties)
 $(-0.76+(-0.72)+(-0.84))/3 = -0.77$

SRWMD Floodway runs have been merged into plan file to create 1 HEC-RAS model. Where necessary, the cross section stations were shifted by a constant amount and the encroachment

David Still
19 Sept 2012

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stations were adjusted accordingly to align with internal bridge sections and give correct results for HEC-RAS version 3.1.3 floodway modeling through bridges.

PLAN DATA

Plan Title: FLOODWAY

Plan File : C:\Users\David\hec\HEC-RAS Model\Suwannee.p02

Geometry Title: Suwannee River

Geometry File : C:\Users\David\hec\HEC-RAS Model\Suwannee.g01

Flow Title : Floodway Flows

Flow File : C:\Users\David\hec\HEC-RAS Model\Suwannee.f02

Plan Summary Information:

Number of:	Cross Sections =	202	Multiple Openings =	0
	Culverts =	0	Inline Structures =	0
	Bridges =	14	Lateral Structures =	0

Computational Information

Water surface calculation tolerance	=	0.01
Critical depth calculation tolerance	=	0.01
Maximum number of iterations	=	20
Maximum difference tolerance	=	0.3
Flow tolerance factor	=	0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd RS: 169.8

INPUT

Description: 169.8

X-SECTION IDENTIFICATION WII88

Station Elevation Data		num=		81					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	102.16	10072	102.06	10100	100.96	10174	101.26	10225	101.16
10308	100.16	10413	99.36	10495	99.56	10583	99.46	10744	99.16
10825	99.36	10905	99.06	11006	98.36	11112	98.16	11196	97.46
11280	97.76	11360	97.16	11517	96.86	11584	95.56	11653	92.16
11656	84.46	11669	82.66	11685	74.36	11696	56.66	11706	52.66
11716	49.56	11736	46.36	11756	42.56	11776	42.26	11796	46.56
11801	47.96	11804	52.66	11818	62.16	11846	76.76	11857	74.66
11864	74.86	11888	80.66	11901	77.06	11923	77.16	11976	77.06
12007	76.56	12044	76.06	12113	76.36	12172	75.76	12236	76.06
12290	76.46	12414	77.46	12600	76.86	12666	76.06	12782	72.56
12852	70.36	13016	69.96	13049	73.26	13103	73.86	13187	72.76
13349	72.16	13401	73.86	13463	73.56	13631	73.96	13808	74.86

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13873	76.86	13946	77.56	14028	76.56	14095	75.56	14170	75.56
14218	75.66	14280	75.46	14329	75.46	14404	75.16	14487	75.06
14536	74.96	14599	75.56	14668	76.16	14774	77.96	14880	86.16
15060	98.36	15213	116.06	15404	117.96	15577	116.16	15594	117.26
15615	117.36								

Manning's n values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	11685	.05	11846	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	11685	11846		1000 825	900		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.65

INPUT
Description: 169.65

Station Elevation Data			num=		94				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	91.56	10047	92.06	10070	95.86	10134	95.46	10191	96.16
10343	96.06	10416	94.76	10580	93.56	10608	89.96	10633	90.46
10736	78.96	10849	72.56	11174	62.26	11196	72.06	11241	76.46
11289	79.96	11346	83.16	11397	85.26	11419	89.06	11490	90.36
11568	90.66	11627	91.66	11674	91.36	11719	92.16	11776	91.76
11837	91.26	11890	93.26	11956	92.96	12001	92.96	12012	94.36
12080	94.36	12158	94.26	12234	93.36	12249	88.26	12269	80.56
12289	73.76	12312	71.06	12318	68.16	12328	54.36	12333	52.56
12334	52.26	12354	45.56	12374	46.36	12394	46.46	12414	47.16
12434	49.16	12443	52.56	12457	69.26	12480	76.16	12675	68.66
12720	67.06	12746	68.56	12764	69.76	12801	69.66	12809	69.86
12846	69.66	12904	69.06	12984	68.46	13049	67.96	13058	67.96
13144	70.06	13203	72.36	13245	72.46	13308	75.56	13351	70.46
13378	74.06	13432	73.36	13495	72.06	13633	72.06	13736	71.96
13850	73.56	13919	73.76	13975	74.46	14035	73.36	14116	73.06
14158	71.66	14572	72.36	14616	71.96	14651	72.26	14696	72.56
14710	75.46	14741	79.26	14774	84.66	14822	89.16	14859	104.76
14924	115.96	14958	122.56	14987	128.36	15021	129.66	15057	128.76
15102	127.56	15153	125.96	15180	124.16	15207	124.16		

Manning's n values		num=		4			
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
10000	.99	12249	.25	12318	.05	12457	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	12318	12457		1750 1550	1000		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.50

INPUT
Description: 18-2S-16-01650-003, Upstream lot

Station Elevation Data		num=		98					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26

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12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n Values
 Sta n Val Sta num= 3
 10000 .25 14281 .05 14461 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 14281 14461 2100 1950 1300 .1 .3

CROSS SECTION

RIVER: Suwannee
 REACH: UpstreamEnd RS: 169.49

INPUT

Description: 18-2S-16-01650-002, Downstream lot

Station Elevation Data		num= 102							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14159	82	14160	81.9	14170	81.8
14171	81.9	14185	79.86	14201	82.46	14208	81.36	14221	77.26
14241	71.36	14249	71.76	14257	74.86	14261	74.86	14281	68.76
14299	52.36	14301	51.46	14321	46.76	14341	45.36	14361	46.26
14381	43.76	14401	45.06	14421	47.26	14431	49.36	14436	52.36
14444	55.36	14461	68.36	14478	78.46	14492	70.86	14541	70.86
14601	66.76	14629	69.06	14664	74.56	14745	76.26	14786	73.66
14852	72.96	14930	73.16	14995	71.46	15089	69.36	15134	68.26
15193	67.16	15258	68.36	15296	70.66	15341	71.26	15402	68.56
15465	65.96	15493	69.46	15564	72.26	15629	74.36	15696	74.96
15766	75.16	15834	74.56	15914	73.06	15960	69.26	15988	70.16
16012	74.56	16097	75.86	16258	98.26	16315	116.46	16380	124.66
16430	126.86	16480	127.96	16532	125.86	16584	125.46	16620	123.46
16642	123.46	16671	123.96						

Manning's n Values
 Sta n Val Sta num= 3
 10000 .25 14281 .05 14461 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 Page 4

14281 14461

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2100 1950 1300

.1

.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 169.35

INPUT

Description: 169.35

Station Elevation Data

num= 98

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100 1950	1300		.1	.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 168.98

INPUT

Description: 168.98

This is a REPEATED section.

Station Elevation Data

num= 99

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	95.46	10146	92.96	10485	91.96	10576	91.26	10660	92.56
10724	92.56	10796	92.86	10931	91.26	11114	90.86	11248	90.26
11317	91.56	11366	91.86	11420	91.76	11472	90.76	11502	82.36
11582	75.06	11643	71.96	11952	71.76	11996	72.16	12444	72.26
12870	73.46	13289	73.36	13435	71.56	13607	72.66	13687	66.56
13799	72.06	14014	73.86	14170	71.16	14331	72.86	14501	72.86
14661	75.06	14878	73.96	15133	73.46	15322	73.76	15616	74.86
15883	74.16	16135	74.46	16381	74.16	16482	75.26	16703	71.56
16815	71.36	16948	73.26	17119	73.26	17193	72.76	17344	73.86
17513	73.86	17771	74.86	17957	77.76	18124	75.26	18394	74.26

lot2existing.rep

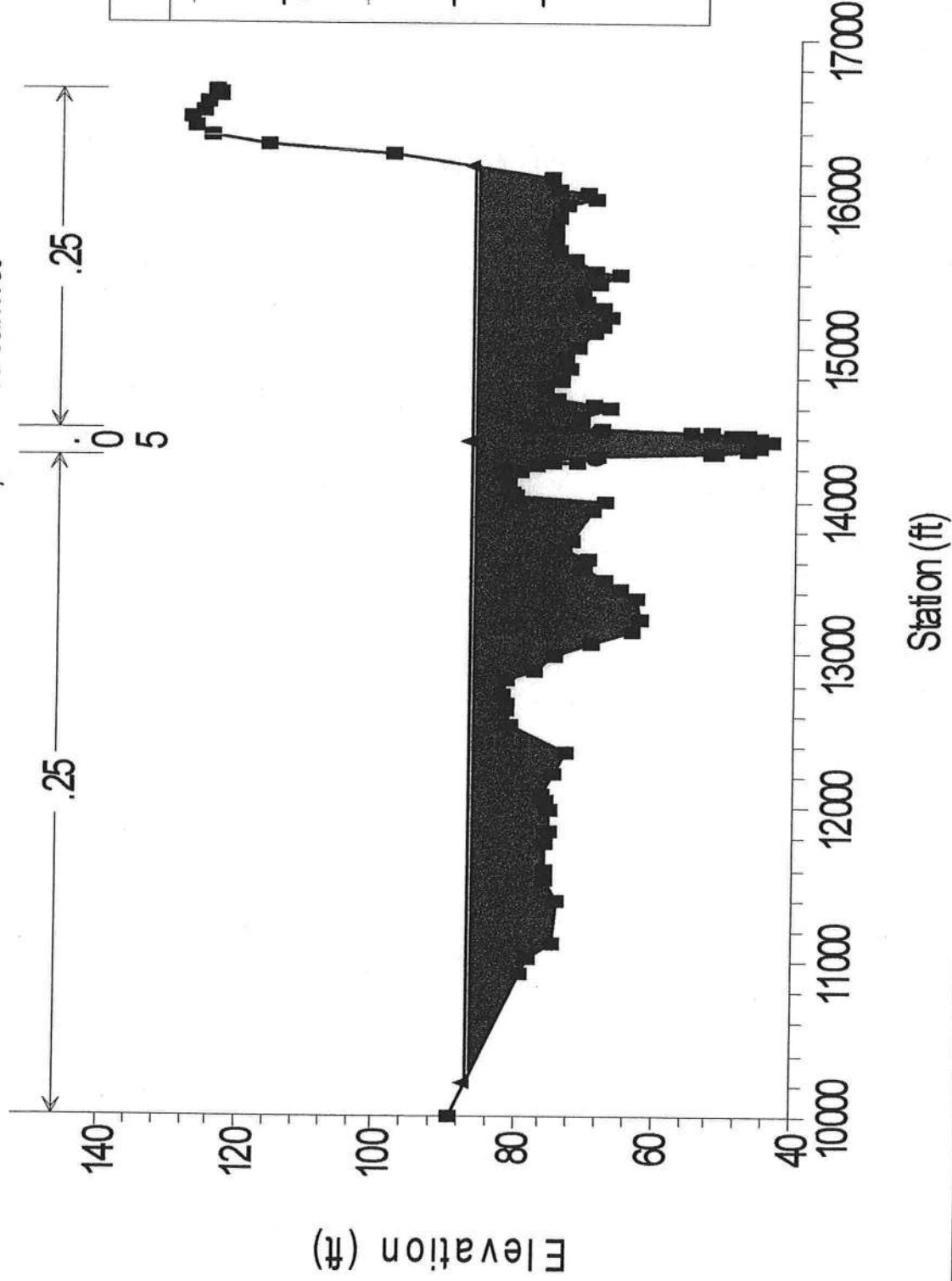
18740	75.26	18802	76.36	19016	76.86	19129	76.56	19197	75.26
19239	74.86	19462	75.26	19648	75.46	19744	75.26	20019	77.26
20072	77.36	20111	77.26	20404	75.36	20500	75.46	20681	77.26
20779	77.86	20872	79.26	21038	75.26	21106	73.26	21176	73.26
21225	74.26	21261	75.26	21445	75.26	21592	78.56	21669	69.26
21686	92.66	21716	77.76	21718	78.06	21738	71.26	21754	65.86
21776	52.16	21786	48.36	21826	45.56	21846	44.76	21866	49.06
21876	52.16	21879	57.46	21899	68.66	21906	68.36	21919	73.46
21926	73.66	21946	75.36	21966	77.86	21986	82.16	22036	103.66
22076	108.66	22096	110.26	22116	111.26	22332	114.26		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	21754	.05	21899	.25

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	21754	21899		53	53	53		.1	.3

Suwannee River Upper Section Plan: FLOODWAY 9/18/2012

18-2S-16-01650-002, Downstream lot



Proposed Conditions Input
 HEC-RAS Version 4.1.0 Jan 2010
 U.S. Army Corps of Engineers
 Hydrologic Engineering Center
 609 Second Street
 Davis, California

X	X	XXXXXX	XXXX	XXXX	XX	XXXX
X	X	X	X	X	X	X
X	X	X	X	X	X	X
XXXXXXXX	XXXX	X	XXX	XXXX	XXXXXX	XXXX
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	XXXXXX	XXXX	X	X	XXXXX

PROJECT DATA

Project Title: Suwannee River Upper Section
 Project File : Suwannee.prj
 Run Date and Time: 9/18/2012 12:36:06 PM

Project in English units

Project Description:

Suwannee River Floodplain model. Converted to HEC-RAS bridge routines by Dewberry 6-31-06.

Model uses fixed starting elevations for multi-profile and floodway runs at section 127.49 which ties in to the revised HEC-RAS model produced for Dixie, Gilchrist and Lafayette County DFIRMS produced in 2005 by Dewberry and URS.

Datum conversions were performed as follows to convert the entire model from NGVD29 to NAVD88:

Alapaha (entirely Hamilton County) -0.76

Withlacoochee (Madison and Hamilton Counties) $(-0.7 + -0.76) / 2$
 = - 0.73

Suwannee Reaches:

WtoSF (mile 127.49-Withlacoochee) (Madison and Suwannee Counties)
 $(-0.72 + -0.7) / 2 = -0.71$

AlatoW (Alapaha to Withlacoochee) (Suwannee and Hamilton Counties)
 $(-0.72 + -0.76) / 2$
 = -0.74

UpstreamEnd (State Line to Alapaha) (Hamilton, Suwannee and Columbia Counties)
 $(-0.76 + -0.72 + -0.84) / 3 = -0.77$

SRWMD Floodway runs have been

merged into plan file to create 1 HEC-RAS model. Where necessary, the cross section stations were shifted by a constant amount and the encroachment stations were adjusted accordingly to align with internal bridge sections and give correct results for HEC-RAS version 3.1.3 floodway modeling through bridges.

GEOMETRY DATA

Geometry Title: Suwannee River

Geometry File : C:\Users\David\hec\HEC-RAS Model\Suwannee.g01

Reach Connection Table

River	Reach	Upstream Boundary	Downstream Boundary
Alapaha	Main		Alapaha
Suwannee	UpstreamEnd		Alapaha
Suwannee	AlatoW	Alapaha	With
Suwannee	WtoSF	With	
Withlacoochee	Main		With

JUNCTION INFORMATION

Name: With

Description: Withlacoochee confluence with Suwannee

Energy computation Method

Length across Junction		Tributary		
River	Reach	River	Reach	Length
Angle				
Suwannee	AlatoW	to Suwannee	WtoSF	6980
Withlacoochee	Main	to Suwannee	WtoSF	11044

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd RS: 169.8

INPUT

Description: 169.8

X-SECTION IDENTIFICATION WII88

Station	Elevation	Data	num=	81						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	
10000	102.16	10072	102.06	10100	100.96	10174	101.26	10225	101.16	
10308	100.16	10413	99.36	10495	99.56	10583	99.46	10744	99.16	
10825	99.36	10905	99.06	11006	98.36	11112	98.16	11196	97.46	
11280	97.76	11360	97.16	11517	96.86	11584	95.56	11653	92.16	
11656	84.46	11669	82.66	11685	74.36	11696	56.66	11706	52.66	
11716	49.56	11736	46.36	11756	42.56	11776	42.26	11796	46.56	
11801	47.96	11804	52.66	11818	62.16	11846	76.76	11857	74.66	
11864	74.86	11888	80.66	11901	77.06	11923	77.16	11976	77.06	

12007	76.56	12044	76.06	12113	76.36	12172	75.76	12236	76.06
12290	76.46	12414	77.46	12600	76.86	12666	76.06	12782	72.56
12852	70.36	13016	69.96	13049	73.26	13103	73.86	13187	72.76
13349	72.16	13401	73.86	13463	73.56	13631	73.96	13808	74.86
13873	76.86	13946	77.56	14028	76.56	14095	75.56	14170	75.56
14218	75.66	14280	75.46	14329	75.46	14404	75.16	14487	75.06
14536	74.96	14599	75.56	14668	76.16	14774	77.96	14880	86.16
15060	98.36	15213	116.06	15404	117.96	15577	116.16	15594	117.26
15615	117.36								

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	11685	.05	11846	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	11685	11846		1000 825	900		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.65

INPUT
Description: 169.65

Station Elevation Data		num=		94					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	91.56	10047	92.06	10070	95.86	10134	95.46	10191	96.16
10343	96.06	10416	94.76	10580	93.56	10608	89.96	10633	90.46
10736	78.96	10849	72.56	11174	62.26	11196	72.06	11241	76.46
11289	79.96	11346	83.16	11397	85.26	11419	89.06	11490	90.36
11568	90.66	11627	91.66	11674	91.36	11719	92.16	11776	91.76
11837	91.26	11890	93.26	11956	92.96	12001	92.96	12012	94.36
12080	94.36	12158	94.26	12234	93.36	12249	88.26	12269	80.56
12289	73.76	12312	71.06	12318	68.16	12328	54.36	12333	52.56
12334	52.26	12354	45.56	12374	46.36	12394	46.46	12414	47.16
12434	49.16	12443	52.56	12457	69.26	12480	76.16	12675	68.66
12720	67.06	12746	68.56	12764	69.76	12801	69.66	12809	69.86
12846	69.66	12904	69.06	12984	68.46	13049	67.96	13058	67.96
13144	70.06	13203	72.36	13245	72.46	13308	75.56	13351	70.46
13378	74.06	13432	73.36	13495	72.06	13633	72.06	13736	71.96
13850	73.56	13919	73.76	13975	74.46	14035	73.36	14116	73.06
14158	71.66	14572	72.36	14616	71.96	14651	72.26	14696	72.56
14710	75.46	14741	79.26	14774	84.66	14822	89.16	14859	104.76
14924	115.96	14958	122.56	14987	128.36	15021	129.66	15057	128.76
15102	127.56	15153	125.96	15180	124.16	15207	124.16		

Manning's n Values		num=		4			
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
10000	.99	12249	.25	12318	.05	12457	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	12318	12457		1750 1550	1000		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.50

INPUT

Description: 18-2S-16-01650-003, Upstream lot

Station Elevation Data				num= 98					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n Values				num= 3	
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	14281	14461		2100 1950	1300	.1	.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 169.49

INPUT

Description: 18-2S-16-01650-002, Downstream lot

Station Elevation Data				num= 102					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14159	82	14160	86.9	14170	86.9
14171	81.9	14185	79.86	14201	82.46	14208	81.36	14221	77.26
14241	71.36	14249	71.76	14257	74.86	14261	74.86	14281	68.76
14299	52.36	14301	51.46	14321	46.76	14341	45.36	14361	46.26
14381	43.76	14401	45.06	14421	47.26	14431	49.36	14436	52.36
14444	55.36	14461	68.36	14478	78.46	14492	70.86	14541	70.86
14601	66.76	14629	69.06	14664	74.56	14745	76.26	14786	73.66
14852	72.96	14930	73.16	14995	71.46	15089	69.36	15134	68.26
15193	67.16	15258	68.36	15296	70.66	15341	71.26	15402	68.56
15465	65.96	15493	69.46	15564	72.26	15629	74.36	15696	74.96

15766	75.16	15834	74.56	15914	73.06	15960	69.26	15988	70.16
16012	74.56	16097	75.86	16258	98.26	16315	116.46	16380	124.66
16430	126.86	16480	127.96	16532	125.86	16584	125.46	16620	123.46
16642	123.46	16671	123.96						

Manning's n Values			num= 3		
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100 1950	1300		.1	.3

CROSS SECTION

RIVER: Suwannee
 REACH: UpstreamEnd RS: 169.35

INPUT
 Description: 169.35

Station Elevation Data				num= 98					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

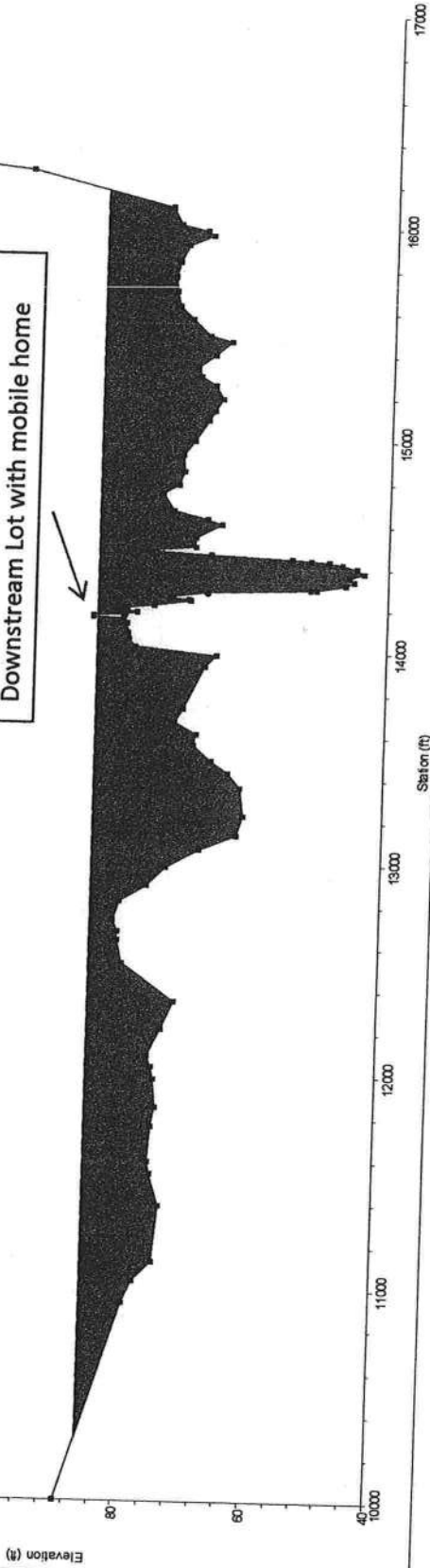
Manning's n Values			num= 3		
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100 1950	1300		.1	.3

Suwannee River Upper Section Plan: FLOODWAY 9/18/2012
18-2S-16-01650-002, Downstream

Legend	
---	EG 100YR
---	WS 100YR
•	Ground
•	Bank Sta

Downstream Lot with mobile home



Robert_lot3_pre.rep

Existing Conditions, Lot 3
 HEC-RAS Version 4.1.0 Jan 2010
 U.S. Army Corps of Engineers
 Hydrologic Engineering Center
 609 Second Street
 Davis, California

```

X      X  XXXXXX      XXXX      XXXX      XX      XXXX
X      X  X          X      X      X      X      X
X      X  X          X      X      X      X      X
XXXXXXXX XXXX      X      XXX XXXX      XXXXXX      XXXX
X      X  X          X      X      X      X      X
X      X  X          X      X      X      X      X
X      X  XXXXXX      XXXX      X      X      X      XXXXX
  
```

PROJECT DATA

Project Title: Suwannee River Upper Section

Project File : Suwannee.prj

Run Date and Time: 9/19/2012 9:04:03 AM

Project in English units

Project Description:

Suwannee River Floodplain model. Converted to HEC-RAS bridge routines by Dewberry 6-31-06.

Model uses fixed starting elevations for multi-profile and floodway runs at section 127.49 which ties in to the revised HEC-RAS model produced for Dixie, Gilchrist and Lafayette County DFIRMS produced in 2005 by Dewberry and URS.

Datum conversions were performed as follows to convert the entire model from NGVD29 to NAVD88:

Alapaha (entirely Hamilton County) -0.76

Withlacoochee (Madison and Hamilton Counties) $(-0.7 + -0.76)/2$
 = -0.73

Suwannee Reaches:
 WtOSF (mile 127.49-Withlacoochee) (Madison and Suwannee Counties)
 $(-0.72 + -0.7)/2 = -0.71$

Alatow (Alapaha to Withlacoochee) (Suwannee and Hamilton Counties)
 $(-0.72 + -0.76)/2 = -0.74$

UpstreamEnd (State Line to Alapaha) (Hamilton, Suwannee and Columbia Counties)
 $(-0.76 + -0.72 + -0.84)/3 = -0.77$

SRWMD Floodway runs have been merged into plan file to create 1 HEC-RAS model. Where necessary, the cross section stations were shifted by a constant amount and the encroachment

Robert_lot3_pre.rep

stations were adjusted accordingly to align with internal bridge sections and give correct results for HEC-RAS version 3.1.3 floodway modeling through bridges.

PLAN DATA

Plan Title: FLOODWAY
Plan File : C:\Users\David\hec\HEC-RAS Model\Suwannee.p02

Geometry Title: Suwannee River
Geometry File : C:\Users\David\hec\HEC-RAS Model\Suwannee.g01

Flow Title : Floodway Flows
Flow File : C:\Users\David\hec\HEC-RAS Model\Suwannee.f02

Plan Summary Information:

Number of:	Cross Sections =	202	Multiple Openings =	0
	Culverts =	0	Inline Structures =	0
	Bridges =	14	Lateral Structures =	0

Computational Information

Water surface calculation tolerance =	0.01
Critical depth calculation tolerance =	0.01
Maximum number of iterations =	20
Maximum difference tolerance =	0.3
Flow tolerance factor =	0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

Encroachment Data

Equal Conveyance =	True
Left Offset =	0
Right Offset =	0

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.8

INPUT

Description: 169.8

X-SECTION IDENTIFICATION WII88

station Elevation Data		num=		81					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	102.16	10072	102.06	10100	100.96	10174	101.26	10225	101.16
10308	100.16	10413	99.36	10495	99.56	10583	99.46	10744	99.16
10825	99.36	10905	99.06	11006	98.36	11112	98.16	11196	97.46
11280	97.76	11360	97.16	11517	96.86	11584	95.56	11653	92.16
11656	84.46	11669	82.66	11685	74.36	11696	56.66	11706	52.66
11716	49.56	11736	46.36	11756	42.56	11776	42.26	11796	46.56
11801	47.96	11804	52.66	11818	62.16	11846	76.76	11857	74.66

Robert_lot3_pre.rep

11864	74.86	11888	80.66	11901	77.06	11923	77.16	11976	77.06
12007	76.56	12044	76.06	12113	76.36	12172	75.76	12236	76.06
12290	76.46	12414	77.46	12600	76.86	12666	76.06	12782	72.56
12852	70.36	13016	69.96	13049	73.26	13103	73.86	13187	72.76
13349	72.16	13401	73.86	13463	73.56	13631	73.96	13808	74.86
13873	76.86	13946	77.56	14028	76.56	14095	75.56	14170	75.56
14218	75.66	14280	75.46	14329	75.46	14404	75.16	14487	75.06
14536	74.96	14599	75.56	14668	76.16	14774	77.96	14880	86.16
15060	98.36	15213	116.06	15404	117.96	15577	116.16	15594	117.26
15615	117.36								

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
10000 .25 11685 .05 11846 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
11685 11846 1000 825 900 .1 .3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.65

INPUT
Description: 169.65

Station Elevation Data			num=	94					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	91.56	10047	92.06	10070	95.86	10134	95.46	10191	96.16
10343	96.06	10416	94.76	10580	93.56	10608	89.96	10633	90.46
10736	78.96	10849	72.56	11174	62.26	11196	72.06	11241	76.46
11289	79.96	11346	83.16	11397	85.26	11419	89.06	11490	90.36
11568	90.66	11627	91.66	11674	91.36	11719	92.16	11776	91.76
11837	91.26	11890	93.26	11956	92.96	12001	92.96	12012	94.36
12080	94.36	12158	94.26	12234	93.36	12249	88.26	12269	80.56
12289	73.76	12312	71.06	12318	68.16	12328	54.36	12333	52.56
12334	52.26	12354	45.56	12374	46.36	12394	46.46	12414	47.16
12434	49.16	12443	52.56	12457	69.26	12480	76.16	12675	68.66
12720	67.06	12746	68.56	12764	69.76	12801	69.66	12809	69.86
12846	69.66	12904	69.06	12984	68.46	13049	67.96	13058	67.96
13144	70.06	13203	72.36	13245	72.46	13308	75.56	13351	70.46
13378	74.06	13432	73.36	13495	72.06	13633	72.06	13736	71.96
13850	73.56	13919	73.76	13975	74.46	14035	73.36	14116	73.06
14158	71.66	14572	72.36	14616	71.96	14651	72.26	14696	72.56
14710	75.46	14741	79.26	14774	84.66	14822	89.16	14859	104.76
14924	115.96	14958	122.56	14987	128.36	15021	129.66	15057	128.76
15102	127.56	15153	125.96	15180	124.16	15207	124.16		

Manning's n Values num= 4
Sta n Val Sta n Val Sta n Val Sta n Val
10000 99 12249 .25 12318 .05 12457 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
12318 12457 1750 1550 1000 .1 .3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.50

INPUT

Robert_lot3_pre.rep

Description: 18-2S-16-01650-003, Upstream lot

Station Elevation Data		num= 98							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100	1950		.1	.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 169.49

INPUT

Description: 18-2S-16-01650-002, Downstream lot

Station Elevation Data		num= 102							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14159	82	14160	81.9	14170	81.9
14171	81.9	14185	79.86	14201	82.46	14208	81.36	14221	77.26
14241	71.36	14249	71.76	14257	74.86	14261	74.86	14281	68.76
14299	52.36	14301	51.46	14321	46.76	14341	45.36	14361	46.26
14381	43.76	14401	45.06	14421	47.26	14431	49.36	14436	52.36
14444	55.36	14461	68.36	14478	78.46	14492	70.86	14541	70.86
14601	66.76	14629	69.06	14664	74.56	14745	76.26	14786	73.66
14852	72.96	14930	73.16	14995	71.46	15089	69.36	15134	68.26
15193	67.16	15258	68.36	15296	70.66	15341	71.26	15402	68.56
15465	65.96	15493	69.46	15564	72.26	15629	74.36	15696	74.96
15766	75.16	15834	74.56	15914	73.06	15960	69.26	15988	70.16
16012	74.56	16097	75.86	16258	98.26	16315	116.46	16380	124.66
16430	126.86	16480	127.96	16532	125.86	16584	125.46	16620	123.46
16642	123.46	16671	123.96						

Robert_lot3_pre.rep

Manning's n values

num=

3

Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100 1950	1300		.1	.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 169.35

INPUT

Description: 169.35

Station Elevation Data

num=

98

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n values

num=

3

Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	14281	14461		2100 1950	1300		.1	.3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 168.98

INPUT

Description: 168.98

This is a REPEATED section.

Station Elevation Data

num=

99

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	95.46	10146	92.96	10485	91.96	10576	91.26	10660	92.56
10724	92.56	10796	92.86	10931	91.26	11114	90.86	11248	90.26
11317	91.56	11366	91.86	11420	91.76	11472	90.76	11502	82.36
11582	75.06	11643	71.96	11952	71.76	11996	72.16	12444	72.26
12870	73.46	13289	73.36	13435	71.56	13607	72.66	13687	66.56

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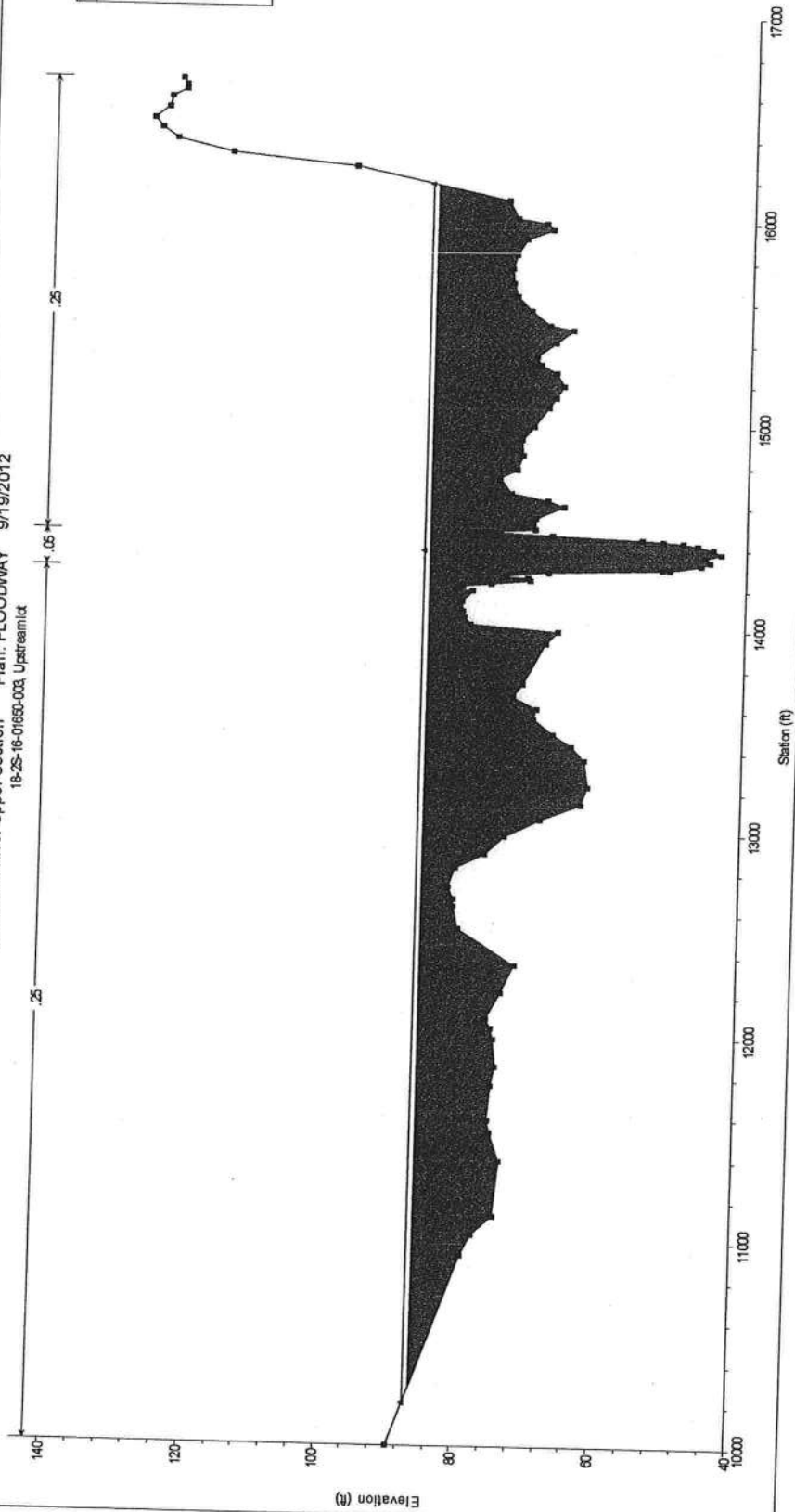
13799	72.06	14014	73.86	14170	71.16	14331	72.86	14501	72.86
14661	75.06	14878	73.96	15133	73.46	15322	73.76	15616	74.86
15883	74.16	16135	74.46	16381	74.16	16482	75.26	16703	71.56
16815	71.36	16948	73.26	17119	73.26	17193	72.76	17344	73.86
17513	73.86	17771	74.86	17957	77.76	18124	75.26	18394	74.26
18740	75.26	18802	76.36	19016	76.86	19129	76.56	19197	75.26
19239	74.86	19462	75.26	19648	75.46	19744	75.26	20019	77.26
20072	77.36	20111	77.26	20404	75.36	20500	75.46	20681	77.26
20779	77.86	20872	79.26	21038	75.26	21106	73.26	21176	73.26
21225	74.26	21261	75.26	21445	75.26	21592	78.56	21669	69.26
21686	92.66	21716	77.76	21718	78.06	21738	71.26	21754	65.86
21776	52.16	21786	48.36	21826	45.56	21846	44.76	21866	49.06
21876	52.16	21879	57.46	21899	68.66	21906	68.36	21919	73.46
21926	73.66	21946	75.36	21966	77.86	21986	82.16	22036	103.66
22076	108.66	22096	110.26	22116	111.26	22332	114.26		

Manning's n Values		num=		3
Sta	n Val	Sta	n Val	Sta
10000	.25	21754	.05	21899
				n Val
				.25

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	21754	21899		53	53	53		.1	.3

Suwannee River Upper Section Plan: FLOODWAY 9/19/2012
 18-2S-16-01650-003 Upstream to

Legend	
—	EG 100YR FW
- - -	WS 100YR FW
- - -	EG 100YR
- - -	WS 100YR
•	Ground
•	Bank Sta



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Robert_lot3_post
HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X    X  XXXXXX  XXXX      XXXX      XX      XXXX
X    X  X      X  X      X  X      X  X      X
X    X  X      X  X      X  X      X  X      X
XXXXXXX XXXX    X      XXX XXXX    XXXXXX    XXXX
X    X  X      X  X      X  X      X  X      X
X    X  X      X  X      X  X      X  X      X
X    X  XXXXXX  XXXX      X  X      X  X      XXXXX

```

PROJECT DATA

Project Title: Suwannee River Upper Section

Project File : Suwannee.prj

Run Date and Time: 9/19/2012 9:40:14 AM

Project in English units

Project Description:

Suwannee River Floodplain model. Converted to HEC-RAS bridge routines by Dewberry 6-31-06.

Model uses fixed starting elevations for multi-profile and floodway runs at section 127.49 which ties in to the revised HEC-RAS model produced for Dixie, Gilchrist and Lafayette County DFIRMS produced in 2005 by Dewberry and URS.

Datum conversions were performed as follows to convert the entire model from NGVD29 to NAVD88:

Alapaha (entirely Hamilton County) -0.76

withlacoochee (Madison and Hamilton Counties) $(-0.7+(-0.76))/2$
= -0.73

Suwannee Reaches:
WtoSF (mile 127.49-withlacoochee) (Madison and Suwannee Counties)
 $(-0.72+(-0.7))/2 = -0.71$

Alatow (Alapaha to withlacoochee) (Suwannee and Hamilton Counties)
 $(-0.72+(-0.76))/2 = -0.74$

UpstreamEnd (State Line to Alapaha) (Hamilton, Suwannee and Columbia Counties)
 $(-0.76+(-0.72)+(-0.84))/3 = -0.77$

SRWMD Floodway runs have been merged into plan file to create 1 HEC-RAS model. Where necessary, the cross section stations were shifted by a constant amount and the encroachment

robert_lot3_post.rep

stations were adjusted accordingly to align with internal bridge sections and give correct results for HEC-RAS version 3.1.3 floodway modeling through bridges.

PLAN DATA

Plan Title: Plan 03

Plan File : C:\Users\David\hec\HEC-RAS Model\Suwannee.p03

Geometry Title: Robert_lot3_post

Geometry File : C:\Users\David\hec\Suwannee.g02

Flow Title : Floodway Flows

Flow File : C:\Users\David\hec\HEC-RAS Model\Suwannee.f02

Plan Summary Information:

Number of:	Cross Sections =	202	Multiple Openings =	0
	Culverts =	0	Inline Structures =	0
	Bridges =	14	Lateral Structures =	0

Computational Information

Water surface calculation tolerance	=	0.01
Critical depth calculation tolerance	=	0.01
Maximum number of iterations	=	20
Maximum difference tolerance	=	0.3
Flow tolerance factor	=	0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

Encroachment Data

Equal Conveyance	=	True
Left Offset	=	0
Right Offset	=	0

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd RS: 169.8

INPUT

Description: 169.8

X-SECTION IDENTIFICATION WII88

Station Elevation Data		num=		81					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	102.16	10072	102.06	10100	100.96	10174	101.26	10225	101.16
10308	100.16	10413	99.36	10495	99.56	10583	99.46	10744	99.16
10825	99.36	10905	99.06	11006	98.36	11112	98.16	11196	97.46
11280	97.76	11360	97.16	11517	96.86	11584	95.56	11653	92.16
11656	84.46	11669	82.66	11685	74.36	11696	56.66	11706	52.66
11716	49.56	11736	46.36	11756	42.56	11776	42.26	11796	46.56

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11801	47.96	11804	52.66	11818	62.16	11846	76.76	11857	74.66
11864	74.86	11888	80.66	11901	77.06	11923	77.16	11976	77.06
12007	76.56	12044	76.06	12113	76.36	12172	75.76	12236	76.06
12290	76.46	12414	77.46	12600	76.86	12666	76.06	12782	72.56
12852	70.36	13016	69.96	13049	73.26	13103	73.86	13187	72.76
13349	72.16	13401	73.86	13463	73.56	13631	73.96	13808	74.86
13873	76.86	13946	77.56	14028	76.56	14095	75.56	14170	75.56
14218	75.66	14280	75.46	14329	75.46	14404	75.16	14487	75.06
14536	74.96	14599	75.56	14668	76.16	14774	77.96	14880	86.16
15060	98.36	15213	116.06	15404	117.96	15577	116.16	15594	117.26
15615	117.36								

Manning's n Values		num= 3	
Sta	n Val	Sta	n Val
10000	.25	11685	.05
		11846	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	11685	11846		1000 825	900		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.65

INPUT
Description: 169.65

Station Elevation Data			num= 94						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	91.56	10047	92.06	10070	95.86	10134	95.46	10191	96.16
10343	96.06	10416	94.76	10580	93.56	10608	89.96	10633	90.46
10736	78.96	10849	72.56	11174	62.26	11196	72.06	11241	76.46
11289	79.96	11346	83.16	11397	85.26	11419	89.06	11490	90.36
11568	90.66	11627	91.66	11674	91.36	11719	92.16	11776	91.76
11837	91.26	11890	93.26	11956	92.96	12001	92.96	12012	94.36
12080	94.36	12158	94.26	12234	93.36	12249	88.26	12269	80.56
12289	73.76	12312	71.06	12318	68.16	12328	54.36	12333	52.56
12334	52.26	12354	45.56	12374	46.36	12394	46.46	12414	47.16
12434	49.16	12443	52.56	12457	69.26	12480	76.16	12675	68.66
12720	67.06	12746	68.56	12764	69.76	12801	69.66	12809	69.86
12846	69.66	12904	69.06	12984	68.46	13049	67.96	13058	67.96
13144	70.06	13203	72.36	13245	72.46	13308	75.56	13351	70.46
13378	74.06	13432	73.36	13495	72.06	13633	72.06	13736	71.96
13850	73.56	13919	73.76	13975	74.46	14035	73.36	14116	73.06
14158	71.66	14572	72.36	14616	71.96	14651	72.26	14696	72.56
14710	75.46	14741	79.26	14774	84.66	14822	89.16	14859	104.76
14924	115.96	14958	122.56	14987	128.36	15021	129.66	15057	128.76
15102	127.56	15153	125.96	15180	124.16	15207	124.16		

Manning's n values		num=		4			
Sta	n val	Sta	n val	Sta	n val	Sta	n val
10000	.99	12249	.25	12318	.05	12457	.25

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	12318	12457		1750 1550	1000		.1	.3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.50

robert_lot3_post.rep

INPUT

Description: 18-2S-16-01650-003, Upstream lot

Station Elevation Data

num= 102

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14061	80	14062	86.9	14072	86.9	14073	80.9	14088	81.26
14133	81.36	14185	79.86	14201	82.46	14208	81.36	14221	77.26
14241	71.36	14249	71.76	14257	74.86	14261	74.86	14281	68.76
14299	52.36	14301	51.46	14321	46.76	14341	45.36	14361	46.26
14381	43.76	14401	45.06	14421	47.26	14431	49.36	14436	52.36
14444	55.36	14461	68.36	14478	78.46	14492	70.86	14541	70.86
14601	66.76	14629	69.06	14664	74.56	14745	76.26	14786	73.66
14852	72.96	14930	73.16	14995	71.46	15089	69.36	15134	68.26
15193	67.16	15258	68.36	15296	70.66	15341	71.26	15402	68.56
15465	65.96	15493	69.46	15564	72.26	15629	74.36	15696	74.96
15766	75.16	15834	74.56	15914	73.06	15960	69.26	15988	70.16
16012	74.56	16097	75.86	16258	98.26	16315	116.46	16380	124.66
16430	126.86	16480	127.96	16532	125.86	16584	125.46	16620	123.46
16642	123.46	16671	123.96						

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
10000	.25	14281	.05	14461	.25

Bank Sta: Left 14281 Right 14461 Lengths: Left 2100 Channel 1950 Right 1300 Coeff Contr. .1 Expan. .3

CROSS SECTION

RIVER: Suwannee

REACH: UpstreamEnd

RS: 169.49

INPUT

Description: 18-2S-16-01650-002, Downstream lot

Station Elevation Data

num= 102

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14159	82	14160	81.9	14170	81.9
14171	81.9	14185	79.86	14201	82.46	14208	81.36	14221	77.26
14241	71.36	14249	71.76	14257	74.86	14261	74.86	14281	68.76
14299	52.36	14301	51.46	14321	46.76	14341	45.36	14361	46.26
14381	43.76	14401	45.06	14421	47.26	14431	49.36	14436	52.36
14444	55.36	14461	68.36	14478	78.46	14492	70.86	14541	70.86
14601	66.76	14629	69.06	14664	74.56	14745	76.26	14786	73.66
14852	72.96	14930	73.16	14995	71.46	15089	69.36	15134	68.26
15193	67.16	15258	68.36	15296	70.66	15341	71.26	15402	68.56
15465	65.96	15493	69.46	15564	72.26	15629	74.36	15696	74.96
15766	75.16	15834	74.56	15914	73.06	15960	69.26	15988	70.16
16012	74.56	16097	75.86	16258	98.26	16315	116.46	16380	124.66
16430	126.86	16480	127.96	16532	125.86	16584	125.46	16620	123.46

robert_lot3_post.rep

16642 123.46 16671 123.96

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
10000 .25 14281 .05 14461 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
14281 14461 2100 1950 1300 .1 .3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 169.35

INPUT
Description: 169.35

Station Elevation Data		num= 98							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	89.26	10930	79.26	11030	77.86	11122	74.66	11389	73.96
11534	75.46	11592	75.76	11762	75.46	11854	74.86	11986	75.26
12039	75.66	12090	76.36	12219	74.36	12353	72.46	12528	80.76
12635	81.56	12675	81.56	12730	82.36	12822	81.36	12897	77.16
12984	74.26	13066	69.16	13138	63.26	13229	62.26	13357	62.96
13428	64.86	13485	67.56	13562	70.36	13611	70.06	13669	73.56
13731	72.16	13932	68.96	13987	67.26	14026	80.06	14058	81.06
14088	81.26	14133	81.36	14185	79.86	14201	82.46	14208	81.36
14221	77.26	14241	71.36	14249	71.76	14257	74.86	14261	74.86
14281	68.76	14299	52.36	14301	51.46	14321	46.76	14341	45.36
14361	46.26	14381	43.76	14401	45.06	14421	47.26	14431	49.36
14436	52.36	14444	55.36	14461	68.36	14478	78.46	14492	70.86
14541	70.86	14601	66.76	14629	69.06	14664	74.56	14745	76.26
14786	73.66	14852	72.96	14930	73.16	14995	71.46	15089	69.36
15134	68.26	15193	67.16	15258	68.36	15296	70.66	15341	71.26
15402	68.56	15465	65.96	15493	69.46	15564	72.26	15629	74.36
15696	74.96	15766	75.16	15834	74.56	15914	73.06	15960	69.26
15988	70.16	16012	74.56	16097	75.86	16258	98.26	16315	116.46
16380	124.66	16430	126.86	16480	127.96	16532	125.86	16584	125.46
16620	123.46	16642	123.46	16671	123.96				

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
10000 .25 14281 .05 14461 .25

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
14281 14461 2100 1950 1300 .1 .3

CROSS SECTION

RIVER: Suwannee
REACH: UpstreamEnd RS: 168.98

INPUT
Description: 168.98
This is a REPEATED section.

Station Elevation Data		num= 99							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
10000	95.46	10146	92.96	10485	91.96	10576	91.26	10660	92.56
10724	92.56	10796	92.86	10931	91.26	11114	90.86	11248	90.26
11317	91.56	11366	91.86	11420	91.76	11472	90.76	11502	82.36

robert_lot3_post.rep

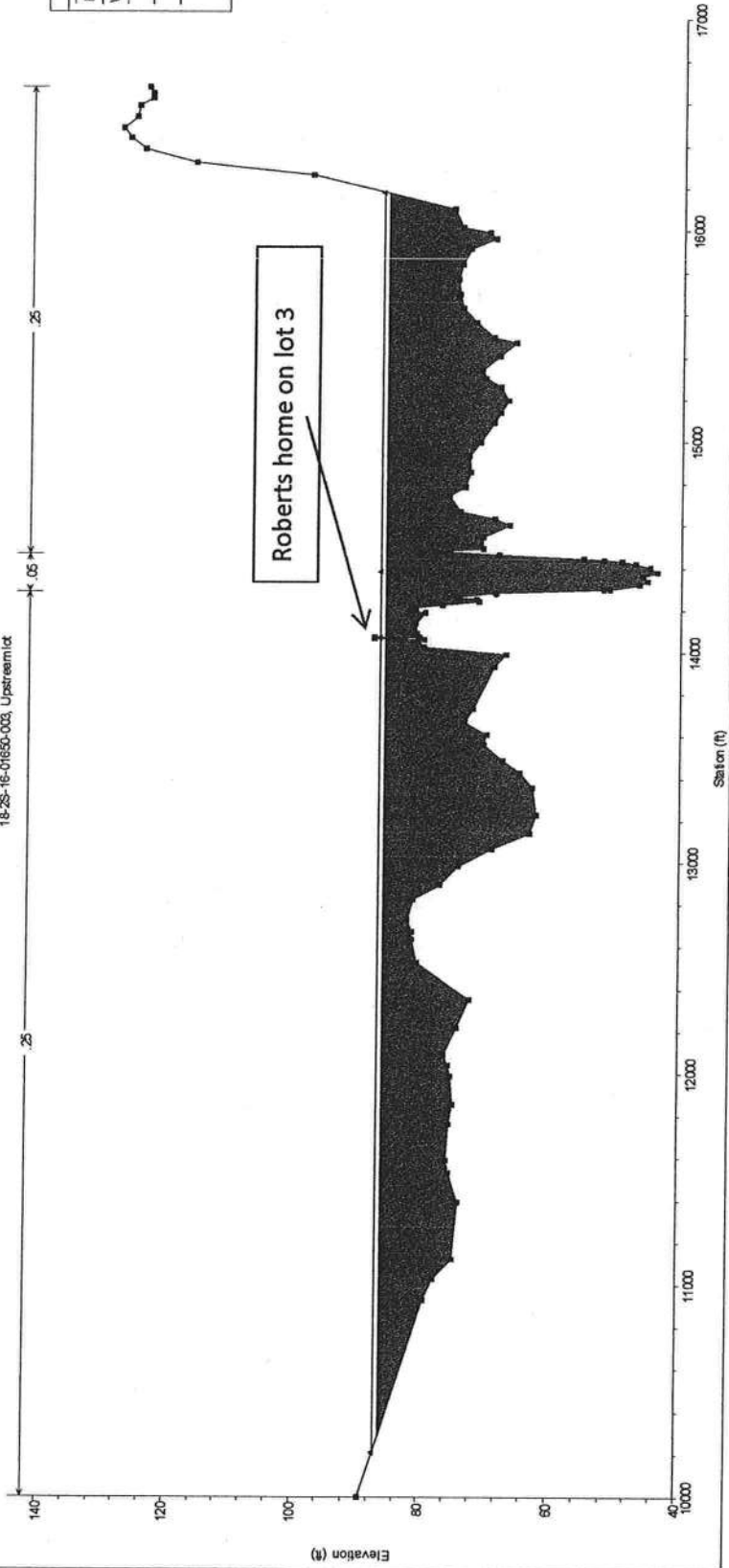
11582	75.06	11643	71.96	11952	71.76	11996	72.16	12444	72.26
12870	73.46	13289	73.36	13435	71.56	13607	72.66	13687	66.56
13799	72.06	14014	73.86	14170	71.16	14331	72.86	14501	72.86
14661	75.06	14878	73.96	15133	73.46	15322	73.76	15616	74.86
15883	74.16	16135	74.46	16381	74.16	16482	75.26	16703	71.56
16815	71.36	16948	73.26	17119	73.26	17193	72.76	17344	73.86
17513	73.86	17771	74.86	17957	77.76	18124	75.26	18394	74.26
18740	75.26	18802	76.36	19016	76.86	19129	76.56	19197	75.26
19239	74.86	19462	75.26	19648	75.46	19744	75.26	20019	77.26
20072	77.36	20111	77.26	20404	75.36	20500	75.46	20681	77.26
20779	77.86	20872	79.26	21038	75.26	21106	73.26	21176	73.26
21225	74.26	21261	75.26	21445	75.26	21592	78.56	21669	69.26
21686	92.66	21716	77.76	21718	78.06	21738	71.26	21754	65.86
21776	52.16	21786	48.36	21826	45.56	21846	44.76	21866	49.06
21876	52.16	21879	57.46	21899	68.66	21906	68.36	21919	73.46
21926	73.66	21946	75.36	21966	77.86	21986	82.16	22036	103.66
22076	108.66	22096	110.26	22116	111.26	22332	114.26		

Manning's n Values		num= 3	
Sta	n Val	Sta	n Val
10000	.25	21754	.05
		21899	.25

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	21754	21899		53	53	53		.1	.3

Suwannee River Upper Section Plan: Plan 03 9/19/2012
 18-2S-16-01650-003, Upstreamid

Legend	
---	EG 100YR FW
---	WS 100YR FW
---	EG 100YR
---	WS 100YR
---	Ground
•	Bank Sta



OF A PART OF LOT 2 AND LOT 3, STEPHEN FOSTER FOREST SUBDIVISION,
ACCORDING TO THE PLAT THEREOF RECORDED IN
PLAT BOOK 3, PAGE 83, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.



W/JM Nelson 4/24/12

SURVEYORS NOTES

1. BEARINGS BASED ON PLAT.
2. SUBJECT PROPERTY SHOWN HEREON LIES IN FLOOD ZONE "AE" AS BEST DETERMINED FROM F.E.M.A. FLOOD MAPS PANEL NO. 12023C0159C, DATED 2/4/2009.
3. THIS IS A SURFACE SURVEY ONLY. THE EXTENT OF UNDERGROUND FOOTINGS, PIPES AND UTILITIES IF ANY NOT DETERMINED.
4. JURISDICTIONAL AND OR ENVIRONMENTALLY SENSITIVE AREAS IF ANY, NOT LOCATED BY THIS SURVEY.
5. THIS SURVEY BASED ON LEGAL DESCRIPTION FURNISHED. THE PUBLIC RECORDS, WERE NOT SEARCHED BY THIS SURVEYOR FOR EASEMENTS, TITLE, COVENANTS, RESTRICTIONS, CLOSURES, TAKINGS OR ORDINANCES, ETC., THERE COULD BE OTHER MATTERS OF RECORD THAT EFFECT THIS PARCEL.
6. Suwannee River Water Management District Flood Information Report
Parcel In Special Flood Hazard Area? YES (SFHA): Note: Elevations are based on NAVD88
50% Annual Chance Flood Elev: 68.6 FEET
10% Annual Chance Flood Elev: 78.6 FEET
Floodway: 1% Annual Chance Flood Elev (BFE): 85.9 FEET
7. TOPOGRAPHIC SURVEY OF CLEAR AREA ONLY AS PER CLIENTS INSTRUCTIONS.
8. THIS IS NOT A BOUNDARY SURVEY. IT'S PURPOSE IS INTENDED FOR PERMITTING PURPOSES ONLY.
9. BENCHMARK ELEVATIONS WERE ESTABLISHED FROM S.R.W.M.D. PBM ELEVATION 79.14 (NAVD88), LOCATED AT (X,Y) 2516969.43, 485810.56 (FL NORTH, NAD83) S.P.C.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

REV:

WESLEY M. RABON
PROFESSIONAL SURVEYOR AND MAPPER
PO BOX 235 (398 NW NULL ROAD)
WHITE SPRINGS, FLORIDA 32096
PHONE (386) 397-1199

CLIENT: ROBERT C. TOWNSEND

DRAWN BY: WNK

FIELD BOOK: 12/30

SCALE: 1"= 30'

SURVEY DATE: APRIL 19, 2012

JOB NUMBER

SHEET

R0578

1 OF 1

LEGEND

(D) = DEED
(P) = PLAT
(S) = SURVEY MEASUREMENT
(C) = CALCULATED MEASUREMENT
NOID = NO SURVEYORS IDENTIFICATION
LS = LAND SURVEYOR
LB = LICENSE BUSINESS
FIR = FOUND IRON ROD
FIP = FOUND IRON PIPE
FCM = FOUND CONCRETE MONUMENT
SIP = SET IRON PIPE
SCM = SET CONCRETE MONUMENT
PRM = PERMANENT REFERENCE MONUMENT
C/L = CENTER LINE

R/W = RIGHT OF WAY
EOP = EDGE OF PAVEMENT
ASP = ASPHALT PAVING
CONC = CONCRETE
OHE = OVER HEAD ELECTRIC
EM = ELECTRIC METER
UGE = UNDER GROUND ELECTRIC
WP = WOOD POWER POLE
S.T. = SEPTIC TANK
X—X = WIRE FENCE
□—□ = WOOD FENCE
O—O = CHAIN LINK FENCE

MAP OF TOPOGRAPHIC SURVEY

OF A PART OF LOT 2 AND LOT 3, STEPHEN FOSTER FOREST SUBDIVISION,
ACCORDING TO THE PLAT THEREOF RECORDED IN
PLAT BOOK 3, PAGE 83, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

