

DATE 02/15/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022817

APPLICANT DONNY WILLIAMS PHONE 755-0764
ADDRESS 541 SE AIRPARK GLEN LAKE CITY FL 32025
OWNER DENNIS KARFER PHONE 973-534-3138
ADDRESS 182 SW CAPTAN'S GLEN LAKE CITY FL 32025
CONTRACTOR DONNY WILLIAMS PHONE 755-0764
LOCATION OF PROPERTY 341 S, L LOCKHEED, R FENNIGAN WAY, R CAPTAIN'S GLEN
LAST ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 105450.00
HEATED FLOOR AREA 2109.00 TOTAL AREA 3238.00 HEIGHT 16.00 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 12-4S-16-02935-203 SUBDIVISION REPLAT L9 CANNON CREEK ESSTATES
LOT 3 BLOCK PHASE UNIT TOTAL ACRES 2.32

000000538 N CGC004962
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
PERMIT 05-0112-N BK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE, FLOOR 1 FOOT ABOVE ROAD

Check # or Cash 608

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 Rough-in plumbing above slab and below wood floor
date/app. by date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. by
Reconnection Pump pole Utility Pole
date/app. by date/app. by date/app. by
M/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 530.00 CERTIFICATION FEE \$ 16.19 SURCHARGE FEE \$ 16.19
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 637.38

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

538/

Revised 9-23-04

For Office Use Only Application # 0502-08 Date Received 2/2/05 By G Permit # 22817
Application Approved by - Zoning Official BLK Date 10.02.05 Plans Examiner JCH Date 2-3-05
Flood Zone Xp-plot and side plan Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. L-Dev.
Comments _____

Applicants Name DONNY WILLIAMS CONSTRUCTION LLC Phone 386-755-0764
Address 541 SW AIRPARK GLEN, LAKE CITY, FL 32025
Owners Name DENNIS KARFER Phone 973-534-3138
911 Address 182 SW CAPTAIN'S GLEN Lake City FL 32025
Contractors Name DONNY WILLIAMS CONSTRUCTION LLC Phone 386-755-0764
Address 541 SW AIRPARK GLEN, LAKE CITY, FL
Fee Simple Owner Name & Address DENNIS KAEFER
Bonding Co. Name & Address NA
Architect/Engineer Name & Address TIM DELBENE & MARK DISSOSWAY
Mortgage Lenders Name & Address NA
Circle the correct power company - FL Power & Light - Clay Elect. Suwannee Valley Elect. - Progressive Energy
Property ID Number 12-4S-16-02935-203 Estimated Cost of Construction 175,000
Subdivision Name LOT 3 REPLAT OF LOT 9 CANNON CREEK ESTATES Lot 3 Block _____ Unit _____ Phase _____
Driving Directions COUNTY ROAD 341 SOUTH APPROX. 1.5 MILES, THEN LEFT ON LOCKHEED STREET AND PROCEED TO
FENNIGAN WAY
THE SECOND ROAD TO THE RIGHT AND PROCEED TO THE NEXT INTERSECTION AND TURN RIGHT ONTO CAPTAIN'S
GLEN. THE JOB IS AT THE END OF CAPTAINS GLEN ON THE LEFT.
Type of Construction FRAME SFD Number of Existing Dwellings on Property 0
Total Acreage 2.35 Lot Size 2.32 Do you need a Culvert Permit or Culvert Waiver or Have an existing Drive
Actual Distance of Structure from Property Lines - Front 62 FT Side 22 FT Side 150+ Rear 550+
Total Building Height 16' Number of Stories 1 Heated Floor Area 2109 SF Roof Pitch 6/12

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

DONNY WILLIAMS CONSTRUCTION LLC
Owner Builder or Agent (including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 2nd day of FEB 2004
Personally known or Produced Identification

Donald E. Webb
Contractor Signature CGC
Contractors License Number CGI0004962
Competency Card Number _____
NOTARY STAMP/SEAL

Notary Signature

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 12-4S-16-02935-203

1. Description of property: (legal description of the property and street address or 911 address)

LOT 3 A REPLAT OF LOT 9 CANNON CREEK ESTATES

Inst:2005003488 Date:02/15/2005 Time:11:30

MK DC,P.DeWitt Cason,Columbia County B:1038 P:20

2. General description of improvement: NEW HOUSE

3. Owner Name & Address DENNIS KAEFER, 191 GREEN RD., SPARTA, NJ 07871

Interest in Property OWNER

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name DONNY WILLIAMS CONSTRUCTION LLC

Phone Number 386-755-0764

Address 541 SW AIRPARK GLEN, LAKE CITY, FL

6. Surety Holders Name NA

Phone Number

Address

Amount of Bond

7. Lender Name NA

Phone Number

Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name DONNY WILLIAMS CONSTRUCTION LLC

Phone Number 386-755-0764

Address 541 SW AIRPARK GLEN, LAKE CITY, FL

9. In addition to himself / herself the owner designates DONNY WILLIAMS of

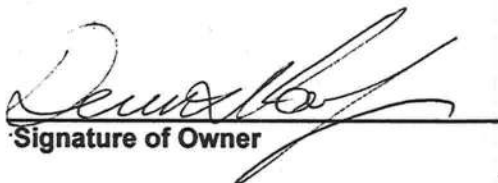
DONNY WILLIAMS CONSTRUCTION LLC to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee 386-755-0764

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified))

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.


Signature of Owner

Sworn to (or affirmed) and subscribed before
day of February 14, 2005

NOTARY STAMP/SEAL
 Christine L. Heard
MY COMMISSION # DD142377 EXPIRES
October 22, 2006
BONDED THRU TROY FAIR INSURANCE, INC.


Signature of Notary

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000538**

DATE 02/15/2005 PARCEL ID # 12-4S-16-02935-203
APPLICANT DONNIE WILLIAMS PHONE 755-0764
ADDRESS 541 SW AIRPARK GLEN LAKE CITY FL 32025
OWNER DENNIS KAPFER PHONE 973-534-3138
ADDRESS 182 SW CAPTAIN'S GLEN LAKE CITY FL 32025
CONTRACTOR DONNY WILLIAMS PHONE 755-0764
LOCATION OF PROPERTY 341 S, L LOCKHEED ST, R FENNIGAN WAY, R CAPTAN'S GLEN, AT END ON
THE LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT REPLAT CANNON CREEK 3

SIGNATURE

Donald E. Williams

INSTALLATION REQUIREMENTS

☒ X

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

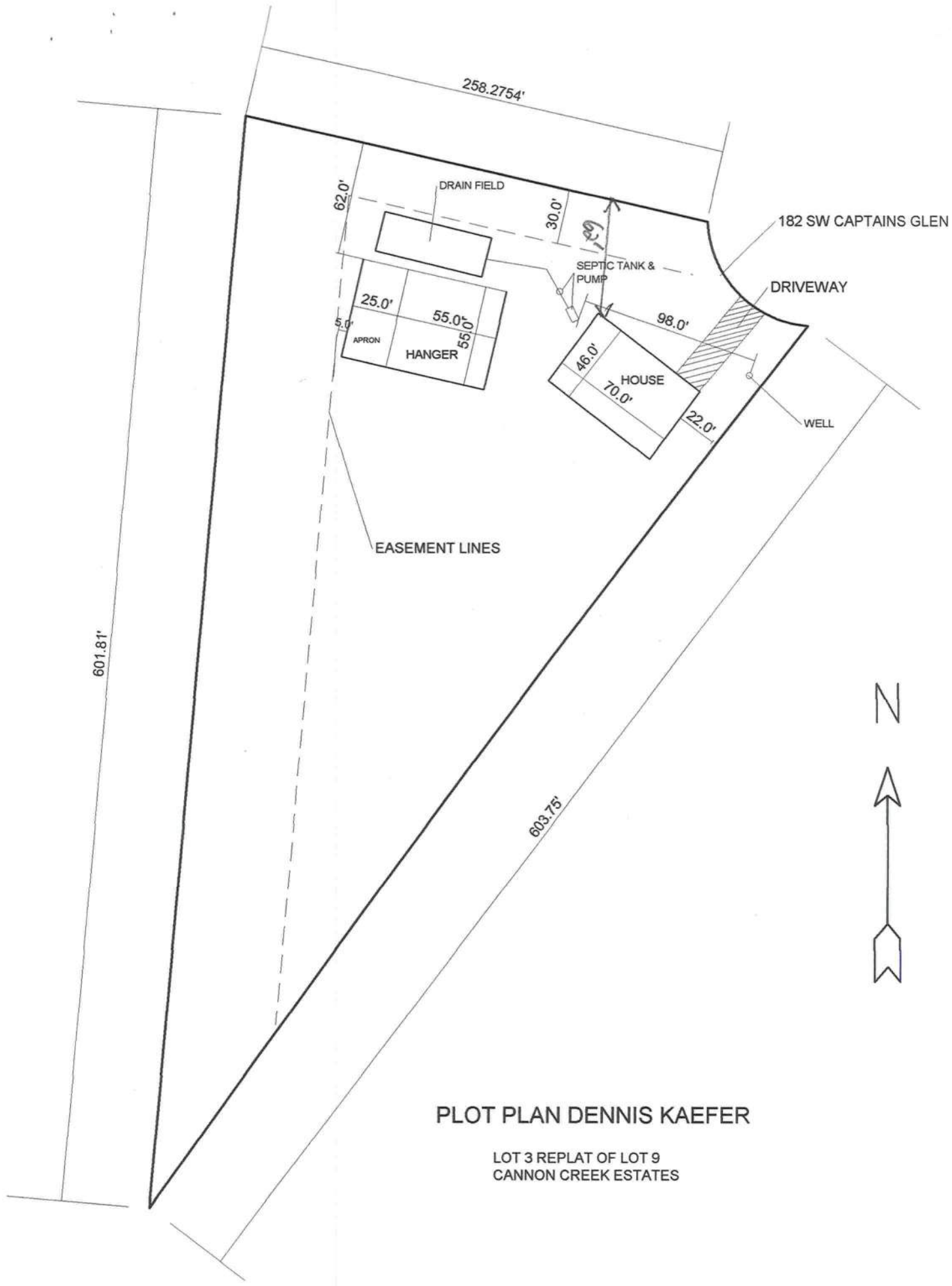
Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00





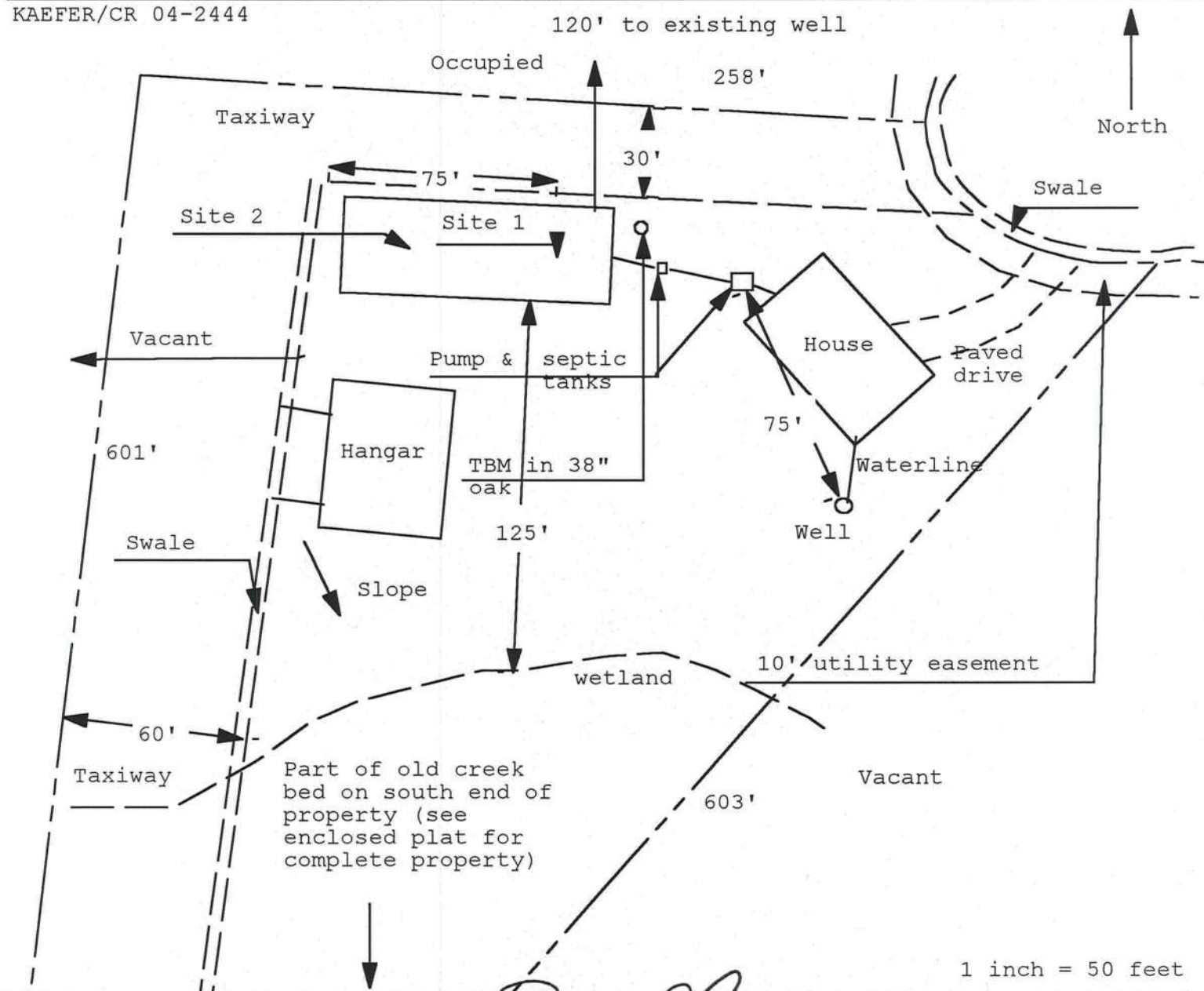
PLOT PLAN DENNIS KAEFER

LOT 3 REPLAT OF LOT 9
CANNON CREEK ESTATES

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 05-0112N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KAEFER/CR 04-2444



Site Plan Submitted By Paul L. Loh Date 11/24/04
Plan Approved ☒ Not Approved ☐ Date 11/24/04
By Paul L. Loh M. S. H. Columbia CPHU 2-4-05
Notes: _____

Home
Property Search
Agriculture Classification
Amendment 10
Exemptions
Tangible Property Tax
Tax Rates
Report & Map Pricing
Important Dates
Office Directory
E-mail us Comments

Parcel ID: 12-4S-16-02935-203

Columbia County Property Appraiser

[Show Details](#) | [GIS Map](#) | [Property Card](#)
Owner & Property Info

Owner's Name	KAEFER MARTIN D & PENNY J
Site Address	REPLAT OF LOT 9
Mailing Address	191 GREEN RD SPARTA, NJ 07871
Brief Legal	LOT 3 REPLAT OF LOT 9 CANNON CREEK ESTATES S/D. ORB 820-229, 922-1501,

Use Desc. (code)	VACANT (000000)
Neighborhood	12416.02
Tax District	2
UD Codes	
Market Area	01
Total Land Area	2.320 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$46,400.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$46,400.00

Just Value	\$46,400.00
Class Value	\$0.00
Assessed Value	\$46,400.00
Exempt Value	\$0.00
Total Taxable Value	\$46,400.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
6/18/2004	1019/839	WD	V	Q		\$57,500.00
3/1/2001	922/1501	WD	V	Q		\$51,800.00

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
000000	VAC RES (MKT)	2.320 AC	1.00/1.00/1.00/1.00	\$20,000.00	\$46,400.00

Columbia County Property Appraiser

DB Last Updated: 10/8/2004

1 of 1

RON E. BIAS WELL DRILLING

Route 2, Box 5340
Ft. White, Florida 32038
(904) 497-1045
Mobile: 364-9233

No. _____

Date _____

Name _____

Address _____

Phone _____

Dis. DESCRIPTION
4" Deep well down to 100 ft.
Constant Pressure system.
- 1" Hp. sub pump 80+ Gallon tank
325 Feet - 35 gallon draw down
1 1/4" deep system check valve.
7 inch Floor Preventer.
20 gallon pw. system.
(SRWMD Permitted)

Total _____

Deposit _____

Balance _____

Thanks.

Date Wanted _____

Authorized By R. E. Bias

Received By _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A


Project Name:	Kaefer Residence	Builder:	Donny Williams
Address:	182 SE Captains Way	Permitting Office:	Columbia Co.
City, State:	Lake City, FL 32055-	Permit Number:	22817
Owner:	Dennis Kaefer	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 35.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2109 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 187.0 ft²	a. Electric Heat Pump	Cap: 35.0 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 7.90
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 257.0(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 30.0 gallons
9. Wall types			EF: 0.90
a. Frame, Wood, Exterior	R=11.0, 2084.0 ft²	b. N/A	
b. N/A		c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	PT, CF,
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 2109.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 60.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 25881
Total base points: 31309

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>Tim Delbene</u> DATE: <u>1/25/03</u> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: _____ DATE: _____ 
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SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 182 SE Captains Way, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt			Area X SPM X SOF = Points			
.18	2109.0	20.04	7607.6	Double, Clear	N	2.0	7.0	30.0	19.20	0.92	531.2
				Double, Clear	N	10.0	7.0	30.0	19.20	0.66	380.3
				Double, Clear	N	2.0	5.0	9.0	19.20	0.87	150.5
				Double, Clear	E	2.0	5.0	10.0	42.06	0.80	335.2
				Double, Clear	S	2.0	7.0	45.0	35.87	0.82	1323.7
				Double, Clear	S	14.0	7.0	20.0	35.87	0.45	323.6
				Double, Clear	S	14.0	7.0	20.0	35.87	0.45	323.6
				Double, Clear	W	2.0	7.0	20.0	38.52	0.89	683.2
				Double, Clear	W	2.0	3.0	3.0	38.52	0.64	73.8
				As-Built Total:							187.0
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0			2084.0	1.70		3542.8
Exterior	2084.0	1.70	3542.8								
Base Total: 2084.0 3542.8				As-Built Total:			2084.0			3542.8	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10	86.1	
Exterior	21.0	6.10	128.1	Adjacent Insulated				21.0	1.60	33.6	
Base Total: 42.0 178.5				As-Built Total:			42.0			119.7	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2109.0	1.73	3648.6	Under Attic	30.0			2109.0	1.73 X 1.00		3648.6
Base Total: 2109.0 3648.6				As-Built Total:			2109.0			3648.6	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	257.0(p)	-37.0	-9509.0	Slab-On-Grade Edge Insulation	0.0			257.0(p)	-41.20		-10588.4
Raised	0.0	0.00	0.0								
Base Total: -9509.0				As-Built Total:			257.0			-10588.4	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
2109.0 10.21 21532.9							2109.0 10.21			21532.9	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 182 SE Captains Way, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 27001.3				Summer As-Built Points: 22380.7							
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
27001.3		0.4266	11518.8	22380.7		1.000	(1.090 x 1.147 x 0.91)	0.341	0.902	7843.1	
				22380.7		1.00	1.138	0.341	0.902	7843.1	

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: 182 SE Captains Way, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points				
.18	2109.0	12.74	4836.4	Double, Clear	N	2.0	7.0	30.0	24.58	1.00	739.8	
				Double, Clear	N	10.0	7.0	30.0	24.58	1.02	753.7	
				Double, Clear	N	2.0	5.0	9.0	24.58	1.01	222.7	
				Double, Clear	E	2.0	5.0	10.0	18.79	1.08	203.6	
				Double, Clear	S	2.0	7.0	45.0	13.30	1.17	700.7	
				Double, Clear	S	14.0	7.0	20.0	13.30	3.51	932.2	
				Double, Clear	S	14.0	7.0	20.0	13.30	3.51	932.2	
				Double, Clear	W	2.0	7.0	20.0	20.73	1.03	427.5	
				Double, Clear	W	2.0	3.0	3.0	20.73	1.12	69.6	
				As-Built Total:							187.0	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0			2084.0	3.70	7710.8		
Exterior	2084.0	3.70	7710.8									
Base Total:		2084.0	7710.8	As-Built Total:		2084.0		7710.8				
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points				
Adjacent	21.0	11.50	241.5	Exterior Insulated				21.0			8.40	176.4
Exterior	21.0	12.30	258.3	Adjacent Insulated				21.0	8.00	168.0		
Base Total:		42.0	499.8	As-Built Total:		42.0		344.4				
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points				
Under Attic	2109.0	2.05	4323.4	Under Attic	30.0			2109.0	2.05 X 1.00	4323.4		
Base Total:		2109.0	4323.4	As-Built Total:		2109.0		4323.4				
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points				
Slab	257.0(p)	8.9	2287.3	Slab-On-Grade Edge Insulation	0.0			257.0(p)	18.80	4831.6		
Raised	0.0	0.00	0.0									
Base Total:		2287.3	As-Built Total:		257.0		4831.6					
INFILTRATION Area X BWPM = Points												
		2109.0	-0.59					2109.0			-0.59	-1244.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 182 SE Captains Way, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 18413.4				Winter As-Built Points: 20948.0							
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
18413.4		0.6274	11552.6	20948.0 20948.0		1.000 1.00	(1.069 x 1.169 x 0.93) 1.162	0.432 0.432	0.950 0.950	9983.2 9983.2	

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 182 SE Captains Way, Lake City, FL, 32055-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	N/A
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002**

3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

e) Number of stories /

Floor Plan including:

- ☒ a) Rooms labeled and dimensioned
- ☒ b) Shear walls *Sheet 5-1 on plans*
- ☒ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☒ f) Must show and identify accessibility requirements (accessible bathroom) *2-3 doors*

Foundation Plan including

- ☒ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☒ b) All posts and/or column footing including size and reinforcing
- ☐ c) Any special support required by soil analysis such as piling
- ☒ d) Location of any vertical steel

Roof System:

- ☒ a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng. *JAMES F COLLINS*
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) *per sheet 5-1 windload*
- ☐ b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including

- ☒ a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

Brick Veneer

b) Wood frame wall

- ✓ 1. All materials making up wall
- ✓ 2. Size and species of studs *2x4 studs 16" OC.*
- ✓ 3. Sheathing size, type and nailing schedule *17/16 OSB*
- ✓ 4. Headers sized *see windload drawing sheet 5-1*
- ✓ 5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
- ✓ 6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
- ✓ 7. Roof assembly shown here or on roof system detail (FBC 1 04.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- 8. Fire resistant construction (if applicable)
- ✓ 9. Fireproofing requirements
- ✓ 10. Show type of termite treatment (termicide or alternative method) *page A-3*
- ✓ 11. Slab on grade
 - ✓ a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed *page A-3*)
 - ✓ b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
- ✓ 12. Indicate where pressure treated wood will be placed
- ✓ 13. Provide insulation R value for the following:
 - a. Attic space *R-30*
 - b. Exterior wall cavity *R-13*
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified *BATH, KIT, GARAGE 2 EXTERIOR*
- b) Ceiling fans *6*
- c) Smoke detectors *5*
- d) Service panel and sub-panel size and location(s) *in GARAGE*
- e) Meter location with type of service entrance (overhead or underground) *garage wall*
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms *SHOWN ON PLANS*

HVAC information

- a) Manual J sizing equipment or equivalent computation *NOT PROVIDED*
- b) Exhaust fans in bathroom *2*

Energy Calculations (dimensions shall match plans) *2109*

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

- a) Size of pump motor *1.5 HP*
- b) Size of pressure tank *30* *BIAS WELL DRILLING*
- c) Cycle stop valve if used

**Cal-Tech Testing, Inc.**

- Engineering
- Geotechnical
- Environmental

P.O. Box 1825 • Lake City, FL 32066-1825
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 282-4046 • Fax (904) 282-4047

2 2817

February 28, 2005

Donnie Williams Construction
541 S. W. Airpark Glen
Lake City, Florida 32025

Attention: Donnie Williams

Reference: Proposed Residence
Lot 3 of Replat of Lot 9
Plat Book 6, Page 78
Cannon Creek Estates
Columbia County, Florida
Cal-Tech Project No. 05-085

Dear Mr. Williams,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of lot 3 of the replat of lot 9 of Cannon Creek Estates in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at lot 3 and to provide recommendations for selecting a finished floor elevation.

We were provided a copy of the replat of lot 9 of Cannon Creek Estates (Plat Book 6, Page 78) on which 100-year flood contour for the portion of Cannon Creek adjacent the lot was delineated. We were also provided a site plan for lot 3. Based upon the site plan and the flood contour indicated on the replat, the flood elevation adjacent the proposed residence is approximately 118.0 feet.

Using U. S. Coast and Geodetic Survey marker BF104 located south-southwest of the site, the elevation of the centerline of the cul-de-sac adjacent the property was determined to be approximately 122.4 feet. The proposed finished floor elevation was determined to be approximately 121.4 feet or approximately 1.0 feet below the roadway centerline and 3.4 feet above the flood elevation.

Columbia County regulations require the finished floor elevation of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

The proposed finished floor elevation (121.4 feet) is approximately 3.4 feet above the 100-year flood elevation (118.0 feet) indicated on page 78 of plat book 6. This elevation difference should be sufficient to significantly reduce the likelihood of flooding

"Excellence in Engineering & Geoscience"

for a 100-year flood. Raising the floor elevation to 1 foot above the roadway centerline should not be required.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.



Linda Creamer
President / CEO



John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

3/8/05
52612

COLUMBIA COUNTY OFFICE OF 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 12-4S-16-02935-203 Building permit No. 000022817

Use Classification SFD, UTILITY Fire: 71.00

Permit Holder DONNY WILLIAMS Waste: 147.00

Owner of Building DENNIS KARFER Total: 218.00

Location: 182 SW CAPTAIN'S GLEN(CANNON CREEK EST, LOT 3)

Date: 10/17/2005

Henry Dickel
Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)