

DATE 0/2004

Columbia County Building Permit**PERMIT**

This Permit Expires One Year From the Date of Issue

000021893

APPLICANT LEON DRAKE PHONE 965.6111

ADDRESS 582 NW BROOK LOOP LAKE CITY FL 32055

OWNER LEON DRAKE PHONE 965.6111

ADDRESS 582 NW BROOK LOOP LAKE CITY FL 32055

CONTRACTOR LEON DRAKE PHONE 965.6111

LOCATION OF PROPERTY 90-W TO BRON RD, TO BROOK LOOP,S, 4TH LON L., FROM W-SIDE
OF LOOP, FROM E-ENTR., GO AROUND LOOP,3RD LOTON R

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 207500.00

HEATED FLOOR AREA 4150 TOTAL AREA 5225.00 HEIGHT .00 STORIES

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

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. FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 20-3S-16-02206-009 SUBDIVISION FAIRFIELD BROOKS

LOT 9 BLOCK PHASE UNIT TOTAL ACRES

000000311 Y OWNER ✓ Leon F. Drake Jr.

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor JDK

WAIVER 04-0458-N BLK Approved for Issuance New Resident

Driveway Connection Septic Tank Number LU & Zoning checked by

COMMENTS: NOC ON FILE1 FOOT ABOVE ROADCheck # or Cash 114**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 \$ 1040.00 CERTIFICATION FEE \$ 26.13 SURCHARGE FEE \$ 26.13

MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ **TOTAL FEE** 1142.26

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 INCONVENIENCE, 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

For Office Use Only Application # 0405-29 Date Received 5/19/04 By JW Permit # 21893
 Application Approved by - Zoning Official BZK Date 18-05-04 Plans Examiner _____ Date _____
 Flood Zone X possible Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

Applicants Name LEON L. DRAKE, JR. Phone (386) 965-6111
 Address RT. 13 BOX 332-31
 Owners Name LEON L. DRAKE, JR. Phone (386) 965-6111
 911 Address 582 NW BROOK LOOP (LAKES CITY, FL 32055)
 Contractors Name LEON L. DRAKE JR. Phone (386) 965-6111
 Address RT. 13, Box 332-31
 Fee Simple Owner Name & Address SAME AS OWNER
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address William Freeman Suite 102 161 NW Madison St., Lake City, FL 32055
 Mortgage Lenders Name & Address PERSONAL - CASH

Property ID Number 20-35-16-02206-009 Estimated Cost of Construction 150,000
 Subdivision Name Fairfield Brooks Lot 29 Block _____ Unit _____ Phase _____
 Driving Directions NW Brown RD East, South on NW Brook Loop. 4th lot on the left from West side of loop. From East entrance, go around loop → 3rd lot on Right once past NW Feit Way.
 Type of Construction House - SFD Number of Existing Dwellings on Property 0
 Total Acreage 1.913 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 246.67' Side 35.83' Side 28.5' Rear 203.5'
 Total Building Height 20' Number of Stories 1 Heated Floor Area 4,150 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.

Leon L. Drake, Jr.
 Owner Builder or Agent (Including Contractor)

OWNER BUILDER
 Contractor Signature _____
 Contractors License Number _____
 Competency Card Number _____

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this _____ day of _____ 20____.
 Personally known _____ or Produced Identification _____

NOTARY STAMP/SEAL

Notary Signature _____
40311



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 04-0458N

----- PART II - SITE PLAN -----

Scale: Each block represents 5 feet and 1 inch = 50 feet.

Notes: _____

SEE ATTACHED SITE PLAN

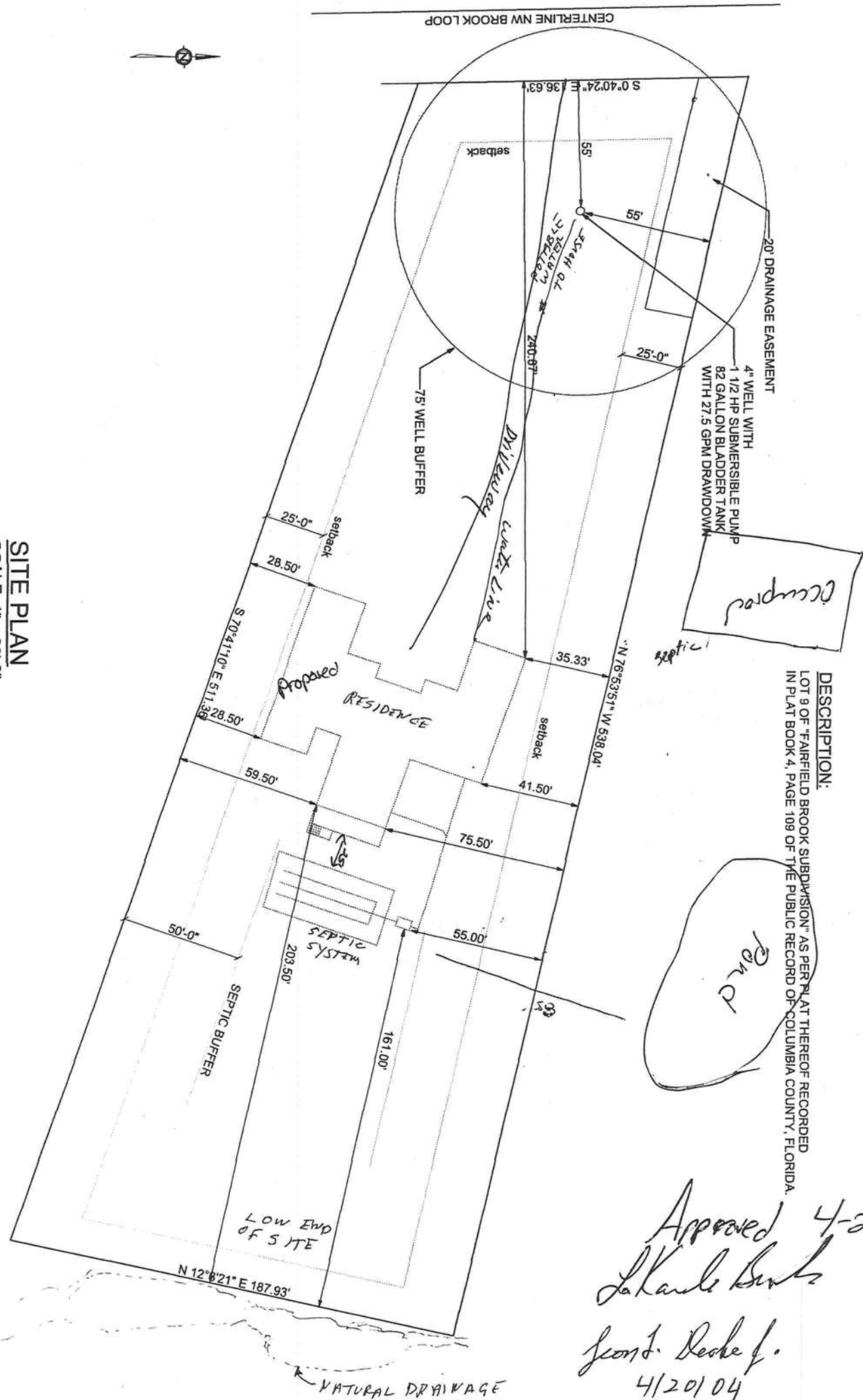
Site Plan submitted by: X Leon L. Hoke, Jr. Signature _____ Title owner

Plan Approved _____ Not Approved _____ Date 4/19/04

By L. Hoke, Jr. _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

SITE PLAN
SCALE: 1" = 20'-0"



DESCRIPTION:
LOT 9 OF "FAIRFIELD BROOK SUBDIVISION" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 4, PAGE 109 OF THE PUBLIC RECORD OF COLUMBIA COUNTY, FLORIDA.

Approved 4-20-04
L. K. Burt
J. F. Decker
4/20/04

PROJECT NO.	SHEET	DATE	DRAWN BY	CHECKED BY	DATE	W.H.F.		305 EAST DUVAL STREET SUITE #3 LAKE CITY, FL. 32055 (386) 758-4209	CERTIFICATE OF AUTHORIZATION # 00006701

SITE PLAN

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

☒ Single Family Dwelling
☐ Farm Outbuilding

() Two-Family Residence
() Other

~~(X)~~ **New Construction**

() Addition, Alteration, Modification or other Improvement

I LEON DRAKE, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number

Signature

Date _____

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 5-19-04

Building Official/Representative

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.

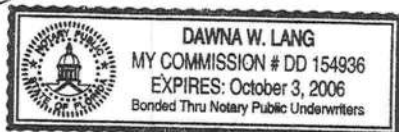
Tax Parcel ID Number 02206-009

1. Description of property: (legal description of the property and street address or 911 address)
Lot 9 Fairfield Brook S/D
Ord. 454-562, WD 1006-1542
SINGLE
2. General description of improvement: Building a new family residence.
3. Owner Name & Address Leon L Drake Jr & Lois J Drake
RT13 BX 331-32, Lake City, FL 32055 Interest in Property _____
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name Leon Drake Phone Number (386) 965-6111
Address RT13 BX 331-32, Lake City, FL 32055
6. Surety Holders Name N/A Phone Number _____
Address _____
Inst: 2004010550 Date: 05/10/2004 Time: 09:30
Amount of Bond 3M DC, P. DeWitt Cason, Columbia County B: 1014 P: 2028
7. Lender Name N/A 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 N/A Phone Number _____
Address _____
9. In addition to himself/herself the owner designates N/A of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
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 o

Leon L. Drake Jr.
Signature of Owner



Sworn to (or affirmed) and subscribed before me
this 10th day of May, 2004
Leon Lewis Drake, Jr. produced FDL# D620-532-
NOTARY STAMP/SEAL 24-268-0 Exp. 07-28-06

Dawna W. Lang
Signature of Notary DAWNA W. LANG

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 02206-009

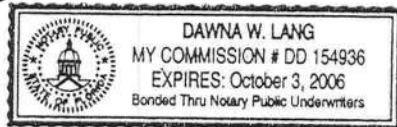
1. Description of property: (legal description of the property and street address or 911 address)
lot 9 Fairfield Brook S/D
Ord. 454-567, WD 1006-1542
2. General description of improvement: Building a new 2 family residence
3. Owner Name & Address Leon L Drake Jr & Lois J Drake
RT13 Bx 331-32, Lake City, FL 32055 Interest in Property _____
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name Leon Drake Phone Number (386) 965-6111
Address RT13 Bx 331-32, Lake City, FL 32055
6. Surety Holders Name N/A Phone Number _____
Address _____
Inst: 2004010550 Date: 05/10/2004 Time: 09:30
Amount of Bond 50K DC, P. DeWitt Cason, Columbia County B: 1014 P: 2028
7. Lender Name N/A
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 N/A Phone Number _____
Address _____
9. In addition to himself/herself the owner designates N/A of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
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.

Leon L. Drake Jr.
Signature of Owner

Sworn to (or affirmed) and subscribed before me
this 10th day of May, 2004
Leon Lewis Drake, Jr. produced FID# D620-532
NOTARY STAMP/SEAL 24-268-0 Exp. 07-28-06



Dawna W. Lang
Signature of Notary DAWNA W. LANG

CAM112M01 S CamaUSA Appraisal System
5/10/2004 8:40 Legal Description Maintenance
Year T Property Sel
2004, R 20-3S-16-02206-009

Columbia County
19100 Land 001
AG 000
Bldg 000
Xfea 000
19100 TOTAL B

FAIRFIELD BROOKS
DRAKE LEON L JR & LOIS J

1	LOT 9 FAIRFIELD BROOK S/D.	ORB 454-562, WD 1006-1542.	2
3	.....	.....	4
5	.....	.....	6
7	.....	.....	8
9	.....	.....	10
11	.....	.....	12
13	.....	.....	14
15	.....	.....	16
17	.....	.....	18
19	.....	.....	20
21	.....	.....	22
23	.....	.....	24
25	.....	.....	26
27	.....	.....	28

Mnt 2/16/2004 KYLIE

F1=Task F3=Exit F4=Prompt F10=GoTo PGUP/PGDN F24=MoreKeys

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * 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 ISSUED: May 11, 2004

ENHANCED 9-1-1 ADDRESS:

582 NW BROOK LOOP (LAKE CITY, FL 32055)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 21

PROPERTY APPRAISER PARCEL NUMBER: 20-3S-16-02206-009

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 9, FAIRFIELD BROOK S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing Department

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Drake Residence
Address: NW Brooke Loop
City, State: Lake City, FL 32055-
Owner: Leon Drake
Climate Zone: North
Builder: Leon Drake
Permitting Office: Columbia
Permit Number:
Jurisdiction Number: 221000

1. New construction or existing New
2. Single family or multi-family SFD Multi-family
3. Number of units, if multi-family 1
4. Number of Bedrooms 8
5. Is this a worst case? Yes
6. Conditioned floor area (ft²) 4150 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 198.0 ft²
b. Default tint 0.0 ft² 0.0 ft²
c. Labeled U or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 312.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 2144.0 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 4150.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 50.0 ft²
b. 2 Others 80.0 ft
12. Cooling systems
a. Central Unit Cap: 24.0 kBtu/hr SEER: 10.00
b. Central Unit Cap: 18.0 kBtu/hr SEER: 10.00
c. Central Unit Cap: 18.0 kBtu/hr SEER: 10.00
13. Heating systems
a. Electric Heat Pump Cap: 24.0 kBtu/hr HSPF: 6.80
b. Electric Heat Pump Cap: 18.0 kBtu/hr HSPF: 6.80
c. Electric Heat Pump Cap: 18.0 kBtu/hr HSPF: 6.80
14. Hot water systems
a. Electric Resistance Cap: 50.0 gallons EF:0.90
b. 2 Others Cap: 100.0 gallons
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

Glass/Floor Area: 0.05 Total as-built points: 53481 Total base points: 63297 PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.
PREPARED BY: William H. Freeman
DATE: 5/7/04
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:
GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	4150.0	20.04	14969.9	Double, Clear	N	1.5	7.0	60.0	19.20	0.96	1100.2
				Double, Clear	E	1.5	7.0	60.0	42.06	0.94	2368.2
				Double, Clear	S	1.0	4.0	18.0	35.87	0.86	552.7
				Double, Clear	S	6.5	7.0	30.0	35.87	0.53	571.1
				Double, Clear	W	1.5	7.0	30.0	38.52	0.94	1085.1
				As-Built Total: 198.0 5677.4							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	2144.0	1.50		3216.0
Exterior	2144.0	1.70	3644.8								
Base Total:	2144.0		3644.8	As-Built Total: 2144.0 3216.0							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	35.6	2.40	85.3	Exterior Insulated				20.0	4.10		82.0
Exterior	37.8	6.10	230.5	Exterior Insulated				17.8	4.10		72.9
				Adjacent Insulated				35.6	1.60		56.9
Base Total:	73.3		315.8	As-Built Total: 73.3 211.8							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	4150.0	1.73	7179.5	Under Attic			30.0	4150.0	1.73 X 1.00		7179.5
Base Total:	4150.0		7179.5	As-Built Total: 4150.0 7179.5							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	312.0(p)	-37.0	-11544.0	Slab-On-Grade Edge Insulation			0.0	312.0(p)	-41.20		-12854.4
Raised	0.0	0.00	0.0								
Base Total:			-11544.0	As-Built Total: 312.0 -12854.4							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	4150.0	10.21	42371.5					4150.0	10.21		42371.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 56937.5				Summer As-Built Points: 45801.8						
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
				45801.8	0.400	(1.090 x 1.147 x 0.91)	0.341	1.000		7113.9
				45801.8	0.300	(1.090 x 1.147 x 0.91)	0.341	1.000		5335.4
				45801.8	0.300	(1.090 x 1.147 x 0.91)	0.341	1.000		5335.4
56937.5		0.4266	24289.5	45801.8	1.00	1.138	0.341	1.000		17784.8

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, 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	4150.0	12.74	9516.8	Double, Clear	N	1.5	7.0	60.0	24.58	1.00	1476.9		
				Double, Clear	E	1.5	7.0	60.0	18.79	1.03	1157.5		
				Double, Clear	S	1.0	4.0	18.0	13.30	1.12	267.5		
				Double, Clear	S	6.5	7.0	30.0	13.30	2.62	1043.2		
				Double, Clear	W	1.5	7.0	30.0	20.73	1.02	632.1		
				As-Built Total:			198.0			4577.2			
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			2144.0		3.40		7289.6	
Exterior	2144.0	3.70	7932.8										
Base Total:		2144.0	7932.8	As-Built Total:			2144.0		7289.6				
DOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points					
Adjacent	35.6	11.50	408.9	Exterior Insulated				20.0		8.40		168.0	
Exterior	37.8	12.30	464.7	Exterior Insulated				17.8		8.40		149.4	
				Adjacent Insulated				35.6		8.00		284.5	
Base Total:		73.3	873.6	As-Built Total:			73.3			601.8			
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points					
Under Attic	4150.0	2.05	8507.5	Under Attic	30.0			4150.0	2.05 X 1.00		8507.5		
Base Total:		4150.0	8507.5	As-Built Total:			4150.0			8507.5			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points					
Slab	312.0(p)	8.9	2776.8	Slab-On-Grade Edge Insulation	0.0			312.0(p)		18.80		5865.6	
Raised	0.0	0.00	0.0										
Base Total:		2776.8		As-Built Total:			312.0		5865.6				
INFILTRATION Area X BWPM = Points							Area X WPM = Points						
		4150.0	-0.59	-2448.5					4150.0		-0.59		-2448.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		27159.0		Winter As-Built Points:				24393.2		
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
				24393.2	0.400	(1.069 x 1.169 x 0.93)	0.501	1.000		5686.6
				24393.2	0.300	(1.069 x 1.169 x 0.93)	0.501	1.000		4264.9
				24393.2	0.300	(1.069 x 1.169 x 0.93)	0.501	1.000		4264.9
27159.0		0.6274	17039.6	24393.2	1.00	1.162	0.501	1.000		14216.4

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, Lake City, FL, 32055-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Credit X Multiplier = Total Multiplier
8		2746.00		21968.0	50.0	0.90	8		0.33	2684.98
					50.0	0.90	8		0.33	2684.98
					50.0	0.90	8		0.33	2684.98
					As-Built Total:					21479.8

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
24290		17040		21968 63297	17785		14216		21480 53481

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: NW Brooke Loop, 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.	
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%.	
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.	

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.8
The higher the score, the more efficient the home.

Leon Drake, NW Brooke Loop, Lake City, FL, 32055-

1. New construction or existing New
2. Single family or multi-family SFD Multi-family
3. Number of units, if multi-family 1
4. Number of Bedrooms 8
5. Is this a worst case? Yes
6. Conditioned floor area (ft²) 4150 ft²
7. Glass area & type Single Pane Double Pane
a. Clear - single pane 0.0 ft² 198.0 ft²
b. Clear - double pane 0.0 ft² 0.0 ft²
c. Tint/other SHGC - single pane 0.0 ft² 0.0 ft²
d. Tint/other SHGC - double pane
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 312.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 2144.0 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 4150.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 50.0 ft²
b. 2 Others 80.0 ft
12. Cooling systems
a. Central Unit Cap: 24.0 kBtu/hr SEER: 10.00
b. Central Unit Cap: 18.0 kBtu/hr SEER: 10.00
c. Central Unit Cap: 18.0 kBtu/hr SEER: 10.00
13. Heating systems
a. Electric Heat Pump Cap: 24.0 kBtu/hr HSPF: 6.80
b. Electric Heat Pump Cap: 18.0 kBtu/hr HSPF: 6.80
c. Electric Heat Pump Cap: 18.0 kBtu/hr HSPF: 6.80
14. Hot water systems
a. Electric Resistance Cap: 50.0 gallons EF:0.90
b. 2 Others Cap: 100.0 gallons
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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

Builder Signature: Date:
Address of New Home: City/FL Zip:



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.
EnergyGauge® (Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Leon Drake
NW Brooke Loop
Lake City, FL 32055-

Project Title:
Drake Residence

Code Only
Professional Version
Climate: North

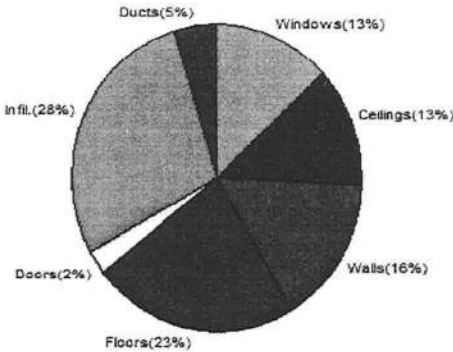
5/7/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation		42445 Btuh	Total cooling load calculation
			43164 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	
Total (Electric Heat Pump)		Sensible (SHR = 0.5)	
		Latent	
Heat Pump + Auxiliary(0.0kW)		Total (Electric Heat Pump)	

WINTER CALCULATIONS

Winter Heating Load (for 4150 sqft)

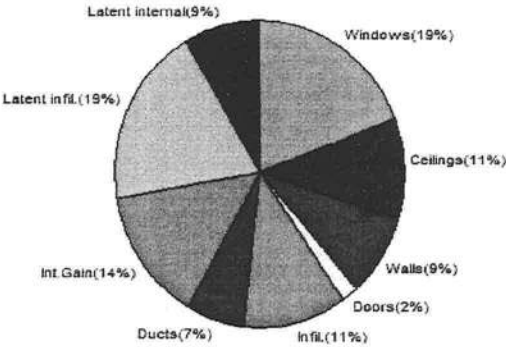
Load component		Load	
Window total	198 sqft	5603	Btuh
Wall total	2144 sqft	6646	Btuh
Door total	73 sqft	1027	Btuh
Ceiling total	4150 sqft	5395	Btuh
Floor total	312 ft	9859	Btuh
Infiltration	277 cfm	11893	Btuh
Subtotal		40424	Btuh
Duct loss		2021	Btuh
TOTAL HEAT LOSS		42445	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 4150 sqft)

Load component		Load	
Window total	198 sqft	8322	Btuh
Wall total	2144 sqft	3731	Btuh
Door total	73 sqft	744	Btuh
Ceiling total	4150 sqft	4648	Btuh
Floor total		0	Btuh
Infiltration	243 cfm	4803	Btuh
Internal gain		6000	Btuh
Subtotal(sensible)		28247	Btuh
Duct gain		2825	Btuh
Total sensible gain		31072	Btuh
Latent gain(infiltration)		8412	Btuh
Latent gain(internal)		3680	Btuh
Total latent gain		12092	Btuh
TOTAL HEAT GAIN		43164	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *Leon Drake*

DATE: *5/7/04*

System Sizing Calculations - Winter

Residential Load - Component Details

Leon Drake
NW Brooke Loop
Lake City, FL 32055-

Project Title:
Drake Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

5/7/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
2	2, Clear, Metal, DEF	E	60.0	28.3	1698 Btuh
3	2, Clear, Metal, DEF	S	18.0	28.3	509 Btuh
4	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
5	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
Window Total			198		5603 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2144	3.1	6646 Btuh
Wall Total			2144		6646 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Exter		18	18.3	326 Btuh
3	Insulated - Adjac		36	9.4	334 Btuh
Door Total			73		1027Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	4150	1.3	5395 Btuh
Ceiling Total			4150		5395Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	312.0 ft(p)	31.6	9859 Btuh
Floor Total			312		9859 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	41500(sqft)	277	11893 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				277	11893 Btuh

Totals for Heating	Subtotal	40424 Btuh
	Duct Loss(using duct multiplier of 0.05)	2021 Btuh
	Total Btuh Loss	42445 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Leon Drake
NW Brooke Loop
Lake City, FL 32055-

Project Title:
Drake Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

5/7/2004

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	7	60.0	0.0	60.0	22	22	1320	Btuh
2	2, Clear, DEF, N, N	E	1.5	7	60.0	10.7	49.3	22	72	3786	Btuh
3	2, Clear, DEF, N, N	S	1	4	18.0	18.0	0.0	22	37	396	Btuh
4	2, Clear, DEF, N, N	S	6.5	7	30.0	30.0	0.0	22	37	660	Btuh
5	2, Clear, DEF, N, N	W	1.5	7	30.0	0.0	30.0	22	72	2160	Btuh
Window Total					198					8322	Btuh
Walls	Type	R-Value			Area		HTM		Load		
	1 Frame - Exterior	13.0			2144.0		1.7		3731 Btuh		
Wall Total					2144.0				3731 Btuh		
Doors	Type				Area		HTM		Load		
	1 Insulated - Exter				20.0		10.1		203 Btuh		
	2 Insulated - Exter				17.8		10.1		180 Btuh		
	3 Insulated - Adjac				35.6		10.1		361 Btuh		
Door Total					73.3				744 Btuh		
Ceilings	Type/Color	R-Value			Area		HTM		Load		
	1 Under Attic/Light	30.0			4150.0		1.1		4648 Btuh		
Ceiling Total					4150.0				4648 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
	1 Slab-On-Grade Edge Insulation	0.0			312.0 ft(p)		0.0		0 Btuh		
Floor Total					312.0				0 Btuh		
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			41500		242.6		4803 Btuh		
	Mechanical						0		0 Btuh		
	Infiltration Total							243		4803 Btuh	

Internal gain	Occupants	Btuh/occupant			Appliance	Load
	16	X	300	+	1200	6000 Btuh

Totals for Cooling	Subtotal	28247 Btuh
	Duct gain(using duct multiplier of 0.10)	2825 Btuh
	Total sensible gain	31072 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	8412 Btuh
	Latent occupant gain (16 people @ 230 Btuh per person)	3680 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		43164 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)
EnergyGauge® FLRCPB v3.30

20-3S-16-02206-009

Columbia County Property Appraiser

Owner & Property Info

Owner's Name	DRAKE LEON L JR & LOIS J
Site Address	FAIRFIELD BROOKS
Mailing Address	RT 13 BX 331-32 LAKE CITY, FL 32055
Brief Legal	LOT 9 FAIRFIELD BROOK S/D. ORB 454-562, WD 1006-1542.

Show: [Tax Info](#) | [GIS Map](#) | [Property Card](#)

Use Desc. (code)	VACANT (000000)
Neighborhood	20316.02
Tax District	3
UD Codes	
Market Area	02
Total Land Area	1.910 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$19,100.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$19,100.00

Just Value	\$19,100.00
Class Value	\$0.00
Assessed Value	\$19,100.00
Exempt Value	\$0.00
Total Taxable Value	\$19,100.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/4/2004	1006/1542	WD	V	Q		\$17,000.00

Building Characteristics

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

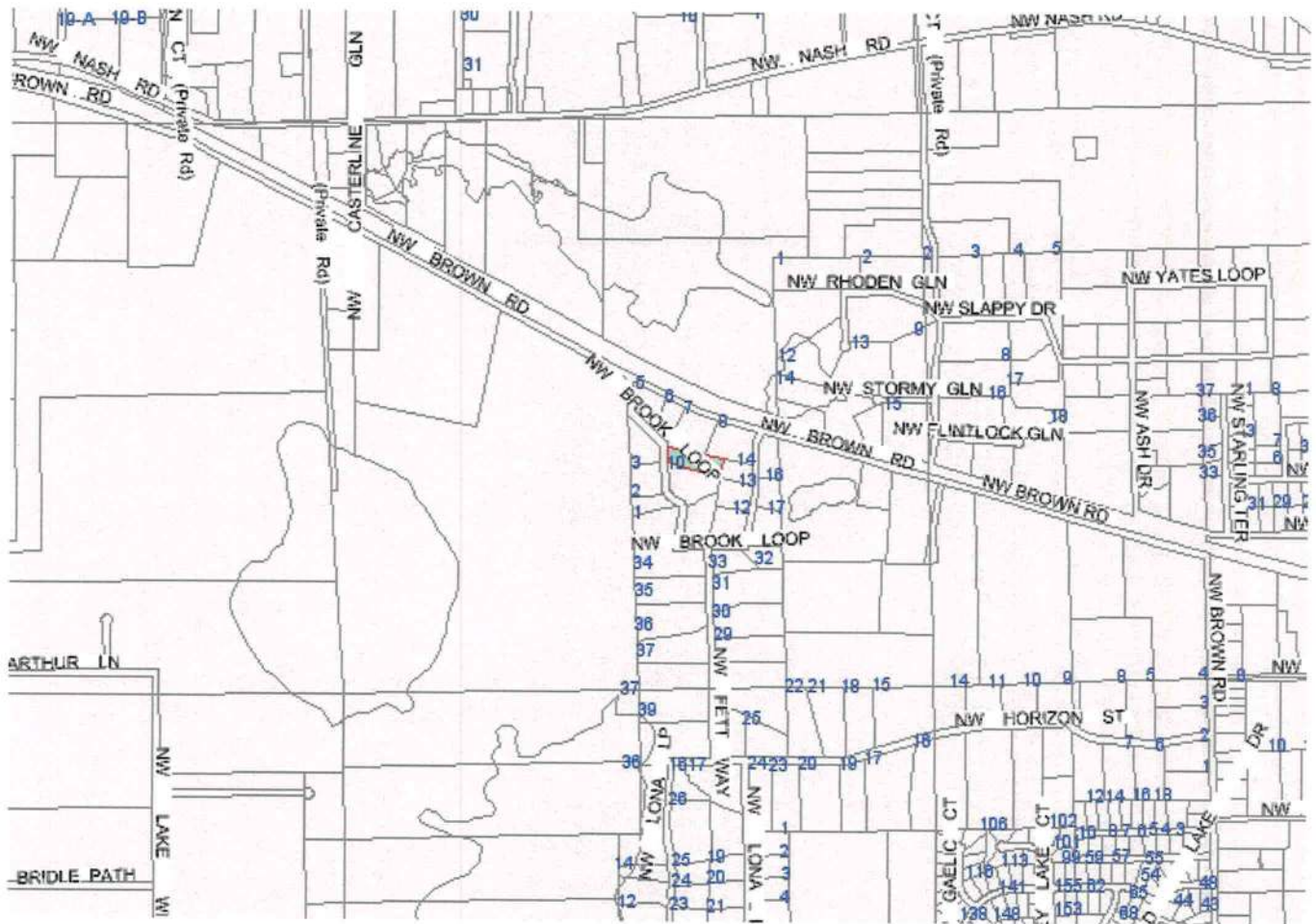
Extra Features & Out Buildings

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

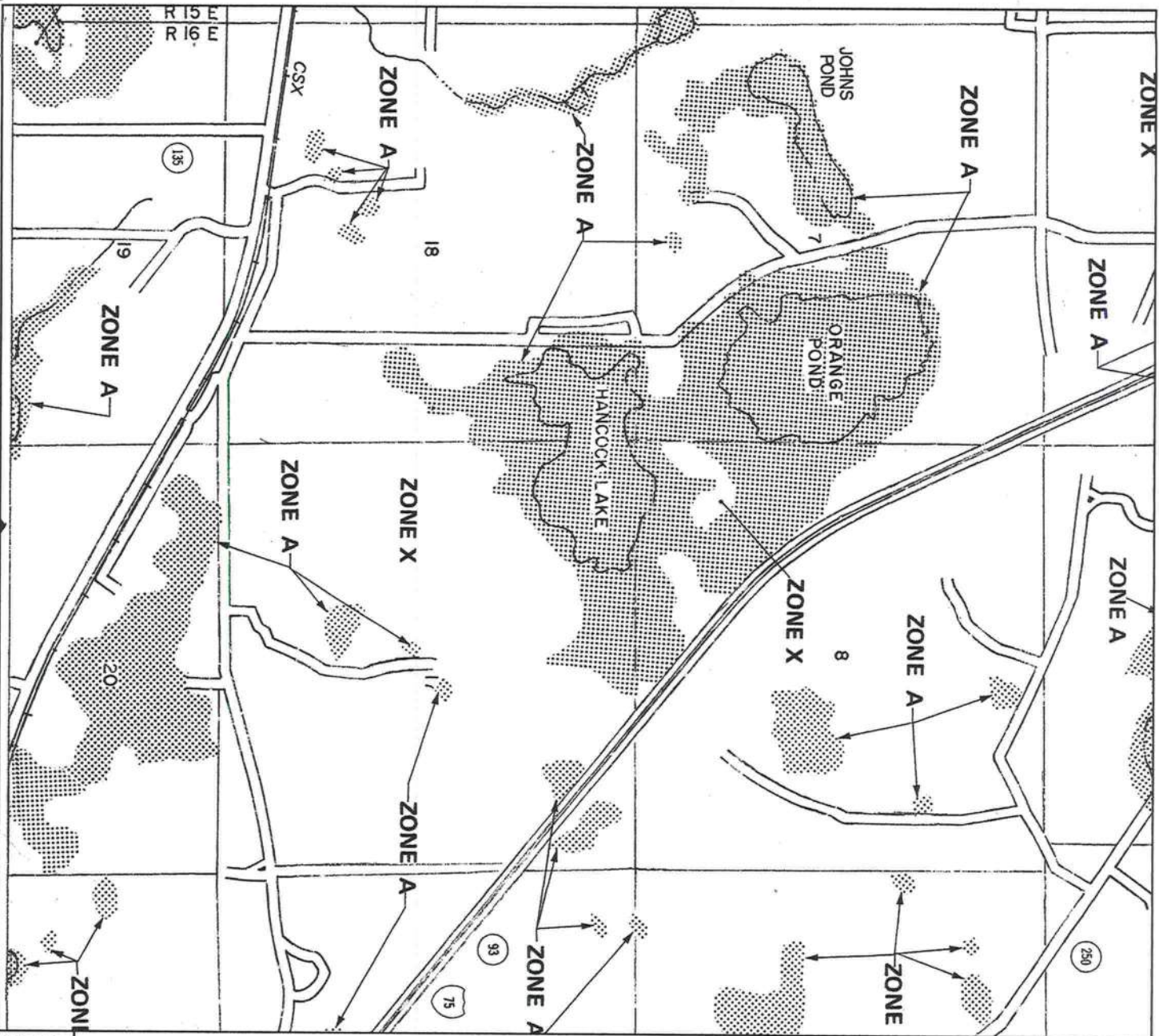
Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.910 AC	1.00/1.00/1.00/1.00	\$10,000.00	\$19,100.00

Columbia County Property Appraiser







APPROXIMATE SCALE IN FEET



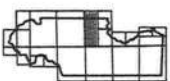
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 125 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0125 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifisd.



APPROXIMATE SCALE IN FEET
2000 0 2000

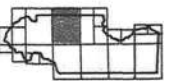
NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifid

JHW. Weezye

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000000311**

DATE: 05/20/2004

BUILDING PERMIT NO. 21893

APPLICANT LEON DRAKE PHONE 965.6111

ADDRESS 582 NW BROOK LOOP LAKE CITY FL 32055

OWNER LEON DRAKE PHONE 965.6111

ADDRESS _____ FL _____

CONTRACTOR LEON DRAKE/OWNER BUILDER PHONE 965.6111

LOCATION OF PROPERTY 90-W TO NW BROWN ROAD, E, SOUTH ON NW BROOK LOOP, 4TH LOT ON L
FROM WEST SIDE OF LOOP, FROM E ENTR., 3RD LOT N R., PAST NW FELT WAY

SUBDIVISION/LOT/BLOCK/PHASE/UNIT FAIRFIELD BROOKS 9

PARCEL ID # 20-3S-16-02206-009

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: *Leon F. Drake Jr.*

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

☒ APPROVED NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: *[Signature]* DATE: 5-25-04

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

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





Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 • Lake City, FL 32066-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-9833 • Fax (386) 752-5466
Tel. (904) 262-4046 • Fax (904) 262-4047

Permit
21893

JOB NO.: 04-232
DATE TESTED: 05/24/04

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Leon Drake Residence	
CLIENT:	Freeman Design Group, 409 E. Duval St., Suite 3, Lake City, FL 32055	
GENERAL CONTRACTOR:	Freeman Design Group	
EARTHWORK CONTRACTOR:	Freeman Design Group	
INSPECTOR:	Mike Stalvey	
ASTM METHOD		SOIL USE
(D-2922) Nuclear		BUILDING FILL
SPECIFICATION REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
SLAB ON GRADE / FINAL LIFT								
1 A	10' W & 10' S of NE Corner	0 - 12"	129.6	9.9	117.9	1A	123.2	95.7% **
2 A	10' E & 10' S of NW Corner	0 - 12"	120.2	9.8	109.5	2	112.5	97.3% **
3 A	10' W & 10' N of SE Corner	0 - 12"	128.3	9.2	117.5	1A	123.2	95.4% **
4 A	10' W & 10' N of SW Corner	0 - 12"	118.7	10.1	107.8	2	112.5	95.8% **

REMARKS: ** Denotes Passing Retest After Further Compaction.

PROCTORS				
TEST NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1A	Brown Silty Fine Sand w/ Clay	123.2	8.9	MODIFIED (ASTM D-1557)
2	Tan Silty Fine Sand w/ Trace Clay	112.5	9.5	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

Linda M. Creamer

John D. Brown

Linda M. Creamer
President - CEO

Date: 6/1/04
Florida Registration No.: 52612

sr

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

"Excellence in Engineering & Geoscience"



Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

21893

August 3, 2004

Columbia County Building and Zoning

RE: Leon Drake Residence

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing stemwall foundation. I certify that placing the finished floor elevation at least 12" above finished grade adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

William H. Freeman, P.E.
President



Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Tuesday, May 25, 2004

Columbia County Building Dept.
Lake City, FL. 32055

To Whom It May Concern;

Mr. Tony Jordan is the concrete contractor on Mr. Leon Drake's residence. Several of the anchor bolts will need to be cut off due to incorrect placement. New 1/2" expansion bolts shall be permitted to be installed on order to take place of removed anchor bolts. The anchor bolts shall have an expansion sleeve. Several manufacturer's have a product to meet this requirement, including - read head, Hilti, and Simpson. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman, P.E.
President



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 20-3S-16-02206-009

Building permit No. 000021893

Use Classification SFD & UTILITY

Fire: 39.69

Permit Holder LEON DRAKE

Waste: 85.75

Owner of Building LEON DRAKE

Total: 125.44

Location: 582 NW BROOK LOOP (FAIRFIELD BROOKS, LOT 9)

Date: 02/14/2005

[Signature]

Building Inspector



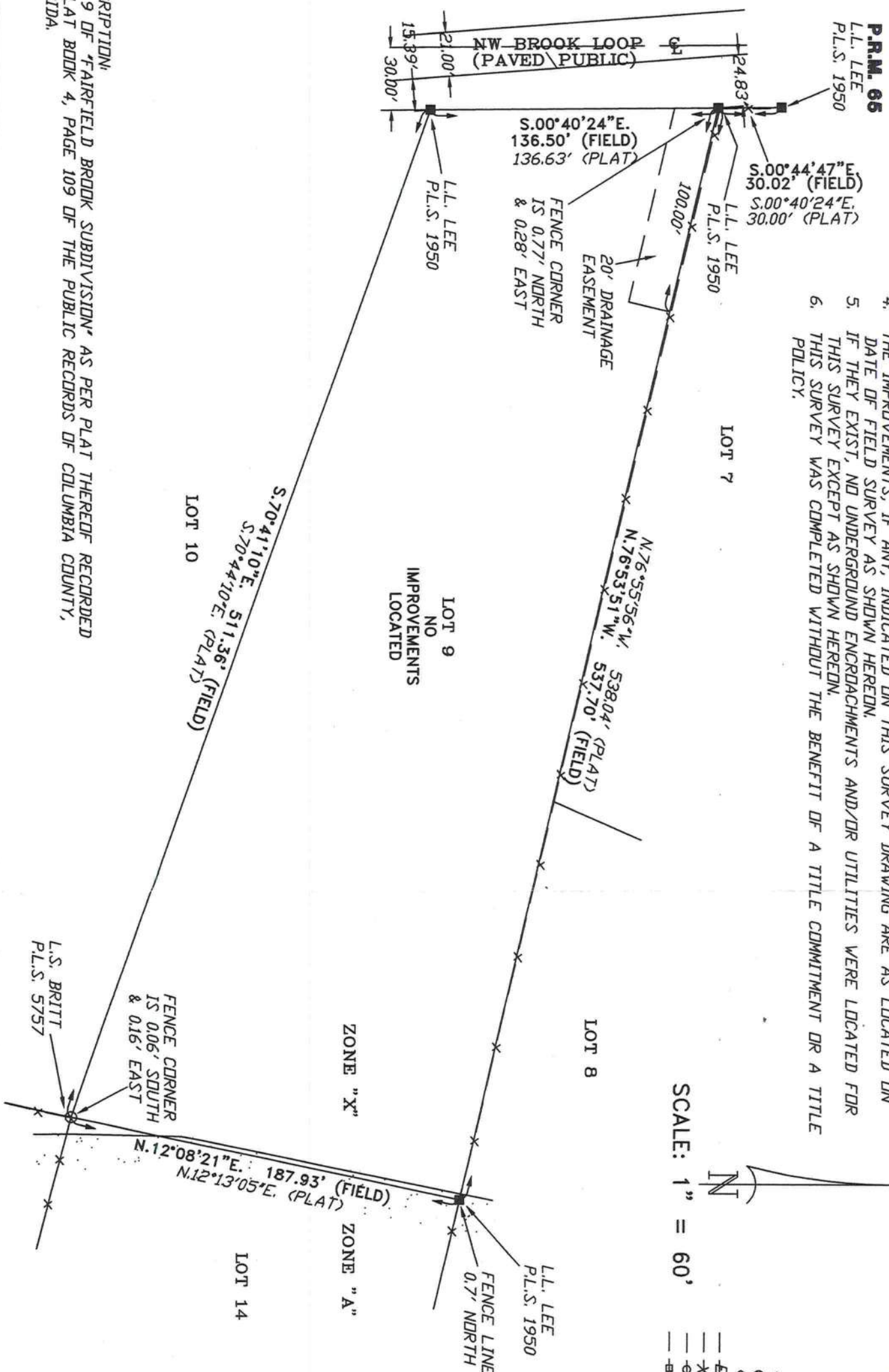
POST IN A CONSPICUOUS PLACE
(Business Places Only)

BOUNDARY SURVEY IN SECTION 20, TOWNSHIP 3 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
 2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
 3. SOME PORTIONS OF THIS PARCEL ARE IN ZONE "A" AND MAY BE SUBJECT TO FLOODING. HOWEVER, NO BASE FLOOD ELEVATION HAS BEEN DETERMINED FOR ZONE "A". SOME PORTIONS OF THIS PARCEL ARE IN ZONE "X" AND ARE DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL NO. 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

SYMBOL		LEGEND
■	4"x4" CONCRETE MONUMENT FOUND	
□	4"x4" CONCRETE MONUMENT SET	
●	IRON PIPE FOUND	
○	IRON PIN AND CAP SET	
⊕	POWER POLE	
▲	WATER METER	
⌒	CENTERLINE	
*	WELL	
⊙	SATELLITE DISH	
⊕	TELEPHONE BOX	
—	ELECTRIC LINES	
—	WIRE FENCE	
—	CHAIN LINK FENCE	
—	WOODEN FENCE	

SCALE: 1" = 60'



DESCRIPTION:
LOT 9 OF "FAIRFIELD BROOK SUBDIVISION" AS PER PLAT THEREOF RECORDED
IN PLAT BOOK 4, PAGE 109 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY,
FLORIDA.

CERTIFIED TO:

LEON DRAKE

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM
TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS
IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

02/10/04
FIELD SURVEY DATE

02/11/04
DRAWING DATE

L. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND
MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-14621

REC'D-ED
BOOK 41 PAGE 107
SEP 7 1945
U.S. DEPT. OF JUSTICE
RECORDS SECTION

1.	N 42° 57' 00" E	72.7	11.	S 27° 57' 33" E	132.64
2.	N 47° 10' 55" E	53.47	12.	S 45° 51' 33" E	87.40
3.	N 52° 33' 40" E	74.87	13.	S 77° 34' 33" E	91.45
4.	N 55° 22' 30" E	34.67	14.	N 11° 11' 33" E	41.78
5.	N 56° 27' 52" E	80.70	15.	N 47° 18' 27" E	100.02
6.	N 57° 50' 01" E	54.15	16.	N 47° 18' 27" E	152.03
7.	N 72° 00' 30" E	134.55	17.	N 42° 44' 00" W	13.55
8.	N 76° 04' 00" E	54.84	18.	N 38° 32' 30" W	18.66
9.	S 47° 15' 50" E	65.93	19.	N 20° 32' 30" W	74.33
10.	N 47° 17' 20" E	133.38	20.	N 54° 51' 30" W	75.00

② CURVE DATA

①

$\Delta = 55.7610^\circ$
 $R = 147.75'$
 $T = 75.00'$
 $L = 131.12'$

②

$\Delta = 66.7250^\circ$
 $R = 76.44'$
 $T = 50.00'$
 $L = 88.56'$

0.50

LANDS

A detailed map of the Brook Farm area in Massachusetts, showing the layout of the farm, surrounding roads, and the location of the Brook Farm Association. The map includes labels for 'BROOK FARM', 'BROOK FARM ASSOCIATION', 'BROOK FARM CHURCH', and 'BROOK FARM SCHOOL'. It also shows the 'BROOK FARM RAILROAD' and the 'BROOK FARM BRIDGE'.

UNPLATTED

OF BEGINNING
st corner
orthwest $\frac{1}{4}$
southwest $\frac{1}{4}$,
20.

W1037
corner of the
1/4 of the
W045
1/4, Sec. 20
N. 10. 16. 20. N
370.85' E
N. 87. 24. 51 W.

10

600
Non
600

100

CERTIFICATE
I HEREBY CERTIFY
by the Board
was accepted
A.D. 1776 in P.
County, Florida.



1

100

72

1997

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 10976

Address 896 SE BAY AVE

City LAKE CITY

Phone 752-1703

Site Location Subdivision FAIRFIELD BRICKS

Lot# 7

Block# 21923

Permit# 21923

Address 582 NW Brook Loop

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	8/4/04	1:40	7 1/2	Scott / 10976
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
(Other)				

Name of Product Applied DUGS BAIT

-05 %

Remarks Exterior not finished.