

DATE 03/05/2004

**Columbia County Building Permit**

This Permit Expires One Year From the Date of Issue

**PERMIT**

000021597

APPLICANT BLAKE LUNDE PHONE 754-5810  
 ADDRESS 872 SW JAGUAR DRIVE LAKE CITY FL 32025  
 OWNER WALT & PENNY NOWICKI PHONE 702 523-7781  
 ADDRESS 453 NW EMERALD LAKES DR LAKE CITY FL 32055  
 CONTRACTOR BLAKE LUNDE PHONE \_\_\_\_\_  
 LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON WINDING RD, TL ON EMERALD LAKES  
THROUGH STOP SIGN, 3RD ON LEFT  
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 87500.00  
 HEATED FLOOR AREA 1750.00 TOTAL AREA 2899.00 HEIGHT .00 STORIES 1  
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB  
 LAND USE & ZONING RSF-2 MAX. HEIGHT \_\_\_\_\_  
 Minimum Set Back Requirements: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00  
 NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 28-3S-16-02372-613 SUBDIVISION ARBOR GREEN @ EMERALD LAKES  
 LOT 13 BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES .50

000000223 RR0067618  
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
 PERMIT 04-0274-N BK JK  
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ELEVATION LETTER RECEIVED.Check # or Cash 2854**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 440.00 CERTIFICATION FEE \$ 14.50 SURCHARGE FEE \$ 14.50  
 MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_  
 FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ TOTAL FEE 519.00

INSPECTORS OFFICE Blake Lunde CLERKS OFFICE CN

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**

Application No.

223/

21597

0402-64

ate 2-16-04

Applicants Name & Address Blake Construction Co.  
372 SW Jaguar Dr, Lake City FL 32025  
 Owners Name & Address Walter & Penny Nowicki  
25640 Belle Alliance Lake City FL 34748  
 ee Simple Owners Name & Address \_\_\_\_\_  
 \_\_\_\_\_ FL

Phone 754-5810Phone (402) 523-7781

Phone \_\_\_\_\_

Phone 754-5810

Contractors Name & Address Blake Construction Co.  
372 SW Jaguar Dr, Lake City FL 32025  
 Legal Description of Property Lot 13, Arbor Greene @ Emerald Lakes Phase 2

Location of Property 90W to Brown Rd T-R to Winding Way FL  
to Emerald Lakes Dr, T-L to Zack-Thru stop sign - 3rd on left.

Tax Parcel Identification No. 28-35-16-02372-613 Estimated Cost of Construction \$ 95,000.00

Type of Development Residential No. of Existing Dwellings on Property 0

Comprehensive Plan Map Category RES. Low DEN. Zoning Map Category RSF-2

Building Height .00 No. of Stories 1 Floor Area 1750 Total Acreage in Development .5178

Distance From Property Lines (Set Backs) Front 25'49" Side 10'35" Rear 15'11" Street 25'

Flood Zone X per plot Certification Date \_\_\_\_\_ Development Permit N/A

Architect/Engineer Name & Address N/A

Architect/Engineer Name & Address Mark Disosway PO Box 868, Lake City, FL 32050

Mortgage Lenders Name & Address Bank of America Leesburg, FL

Application is hereby made to obtain a permit to do the 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 will 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 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.

Owner or Agent (including contractor)

Contractor

RR-0067618

Contractor License No.

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 16th day of Feb. 04 by Blake N. Lunde, II

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
this 16th day of Feb. 04 by Blake N. Lunde

Personally Known ☒ OR Produced Identification

Personally Known ☒ OR Produced Identification

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name: **Nowicki residence** *Lot 13*  
Address: **Lot: 13, Sub: Arbor Grreen, Plat:**  
City, State: **Lake City, FL 32055-**  
Owner: **Nowicki**  
Climate Zone: **North**

Builder: **Blake Const.**  
Permitting Office: **Columbia Co.**  
Permit Number: **21597**  
Jurisdiction Number: **221000**

- |  |                                |                       |
|--|--------------------------------|-----------------------|
| 1. New construction or existing              | New                            | ___                   |
| 2. Single family or multi-family             | Single family                  | ___                   |
| 3. Number of units, if multi-family          | 1                              | ___                   |
| 4. Number of Bedrooms                        | 3                              | ___                   |
| 5. Is this a worst case?                     | No                             | ___                   |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 1750 ft <sup>2</sup>           | ___                   |
| 7. Glass area & type                         | Single Pane                    | Double Pane           |
| a. Clear glass, default U-factor             | 0.0 ft <sup>2</sup>            | 111.0 ft <sup>2</sup> |
| b. Default tint                              | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup>   |
| c. Labeled U or SHGC                         | 0.0 ft <sup>2</sup>            | 0.0 ft <sup>2</sup>   |
| 8. Floor types                               |                                | ___                   |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 186.0(p) ft             | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 9. Wall types                                |                                | ___                   |
| a. Frame, Wood, Exterior                     | R=11.0, 1285.0 ft <sup>2</sup> | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| d. N/A                                       |                                | ___                   |
| e. N/A                                       |                                | ___                   |
| 10. Ceiling types                            |                                | ___                   |
| a. Under Attic                               | R=30.0, 1750.0 ft <sup>2</sup> | ___                   |
| b. N/A                                       |                                | ___                   |
| c. N/A                                       |                                | ___                   |
| 11. Ducts                                    |                                | ___                   |
| a. Sup: Unc. Ret: Unc. AH: Garage            | Sup. R=6.0, 50.0 ft            | ___                   |
| b. N/A                                       |                                | ___                   |

- |  |                   |     |
|--|-------------------|-----|
| 12. Cooling systems                    |                   |     |
| a. Central Unit                        | Cap: 35.0 kBtu/hr | ___ |
|  | SEER: 10.00       | ___ |
| b. N/A                                 |                   | ___ |
| c. N/A                                 |                   | ___ |
| 13. Heating systems                    |                   |     |
| a. Electric Heat Pump                  | Cap: 35.0 kBtu/hr | ___ |
|  | HSPF: 7.90        | ___ |
| b. N/A                                 |                   | ___ |
| c. N/A                                 |                   | ___ |
| 14. Hot water systems                  |                   |     |
| a. Electric Resistance                 | Cap: 30.0 gallons | ___ |
|  | EF: 0.90          | ___ |
| b. N/A                                 |                   | ___ |
| c. Conservation credits                |                   | ___ |
| (HR-Heat recovery, Solar               |                   |     |
| DHP-Dedicated heat pump)               |                   |     |
| 15. HVAC credits                       | PT, CF,           | ___ |
| (CF-Ceiling fan, CV-Cross ventilation, |                   |     |
| HF-Whole house fan,                    |                   |     |
| PT-Programmable Thermostat,            |                   |     |
| MZ-C-Multizone cooling,                |                   |     |
| MZ-H-Multizone heating)                |                   |     |

Glass/Floor Area: 0.06

Total as-built points: 22469

Total base points: 26846

## PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tim Delbene  
DATE: 2/11/04

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: \_\_\_\_\_

# SUMMER CALCULATIONS

# Residential Whole Building Performance Method A - Details

**ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , Lake City, FL, 32055-**

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1750.0	20.04	6312.6	Double, Clear	NE	2.0	6.0	45.0	29.56	0.86	1148.2
				Double, Clear	SE	2.0	6.0	30.0	42.75	0.80	1029.3
				Double, Clear	SW	8.0	5.0	6.0	40.16	0.42	100.2
				Double, Clear	SW	2.0	6.0	30.0	40.16	0.80	969.8
				<b>As-Built Total:</b>		<b>111.0</b>			<b>3247.4</b>		
<b>WALL TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0		1285.0	1.70		2184.5	
Exterior	1285.0	1.70	2184.5								
<b>Base Total:</b>		<b>1285.0</b>	<b>2184.5</b>	<b>As-Built Total:</b>		<b>1285.0</b>			<b>2184.5</b>		
<b>DOOR TYPES</b> Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	22.0	2.40	52.8	Exterior Insulated			22.0	4.10		90.2	
Exterior	66.0	6.10	402.6	Adjacent Insulated			22.0	1.60		35.2	
				Exterior Insulated			44.0	4.10		180.4	
<b>Base Total:</b>		<b>88.0</b>	<b>455.4</b>	<b>As-Built Total:</b>		<b>88.0</b>			<b>305.8</b>		
<b>CEILING TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1750.0	1.73	3027.5	Under Attic	30.0		1750.0	1.73 X 1.00		3027.5	
<b>Base Total:</b>		<b>1750.0</b>	<b>3027.5</b>	<b>As-Built Total:</b>		<b>1750.0</b>			<b>3027.5</b>		
<b>FLOOR TYPES</b> Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	186.0(p)	-37.0	-6882.0	Slab-On-Grade Edge Insulation	0.0		186.0(p)	-41.20		-7663.2	
Raised	0.0	0.00	0.0								
<b>Base Total:</b>		<b>-6882.0</b>		<b>As-Built Total:</b>		<b>186.0</b>			<b>-7663.2</b>		
<b>INFILTRATION</b> Area X BSPM = Points											
						Area X SPM = Points					
		1750.0	10.21	17867.5			1750.0	10.21		17867.5	

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT											
Summer Base Points:		22965.5		Summer As-Built Points:			18969.5								
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
					(DM x DSM x AHU)										
22965.5		0.4266		9797.1	18969.5		1.000		(1.090 x 1.147 x 1.00)		0.341		0.902		7305.1
					18969.5		1.00		1.250		0.341		0.902		7305.1

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt		Area X WPM X WOF = Points				
.18	1750.0	12.74	4013.1	Double, Clear	NE	2.0	6.0	45.0	23.57	1.01	1074.0
				Double, Clear	SE	2.0	6.0	30.0	14.71	1.18	518.4
				Double, Clear	SW	8.0	5.0	6.0	16.74	1.84	185.2
				Double, Clear	SW	2.0	6.0	30.0	16.74	1.11	558.9
				<b>As-Built Total:</b>				<b>111.0</b>	<b>2336.6</b>		
<b>WALL TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	11.0		1285.0	3.70	4754.5		
Exterior	1285.0	3.70	4754.5								
<b>Base Total:</b>				<b>1285.0</b>		<b>4754.5</b>					
				<b>As-Built Total:</b>		<b>1285.0</b>		<b>4754.5</b>			
<b>DOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	22.0	11.50	253.0	Exterior Insulated			22.0	8.40	184.8		
Exterior	66.0	12.30	811.8	Adjacent Insulated			22.0	8.00	176.0		
				Exterior Insulated			44.0	8.40	369.6		
<b>Base Total:</b>				<b>88.0</b>		<b>1064.8</b>					
				<b>As-Built Total:</b>		<b>88.0</b>		<b>730.4</b>			
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1750.0	2.05	3587.5	Under Attic	30.0		1750.0	2.05 X 1.00	3587.5		
<b>Base Total:</b>				<b>1750.0</b>		<b>3587.5</b>					
				<b>As-Built Total:</b>		<b>1750.0</b>		<b>3587.5</b>			
<b>FLOOR TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	186.0(p)	8.9	1655.4	Slab-On-Grade Edge Insulation	0.0		186.0(p)	18.80	3496.8		
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>186.0</b>		<b>3496.8</b>					
				<b>As-Built Total:</b>		<b>186.0</b>		<b>3496.8</b>			
<b>INFILTRATION</b> Area X BWPM = Points				Area X WPM = Points							
1750.0 -0.59 -1032.5				1750.0 -0.59 -1032.5							

**WINTER CALCULATIONS****Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , Lake City, FL, 32055-

PERMIT #:

<b>BASE</b>				<b>AS-BUILT</b>							
<b>Winter Base Points:</b>		<b>14042.8</b>		<b>Winter As-Built Points:</b>				<b>13873.3</b>			
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	
<b>14042.8</b>		<b>0.6274</b>	<b>8810.5</b>	13873.3 <b>13873.3</b>		1.000 <b>1.00</b>	(1.069 x 1.169 x 1.00) <b>1.250</b>	0.432 <b>0.432</b>	0.950 <b>0.950</b>	7109.2 <b>7109.2</b>	

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT					
<b>WATER HEATING</b>									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier = Total
3		2746.00	8238.0	30.0	0.90	3	1.00	2684.98	1.00 8054.9
				As-Built Total:					<b>8054.9</b>

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
<b>9797</b>		<b>8810</b>	<b>8238 26846</b>	<b>7305</b>		<b>7109</b>	<b>8055 22469</b>

**PASS**



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 12, Sub: Arbor Grreen, Plat: , 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.	✓

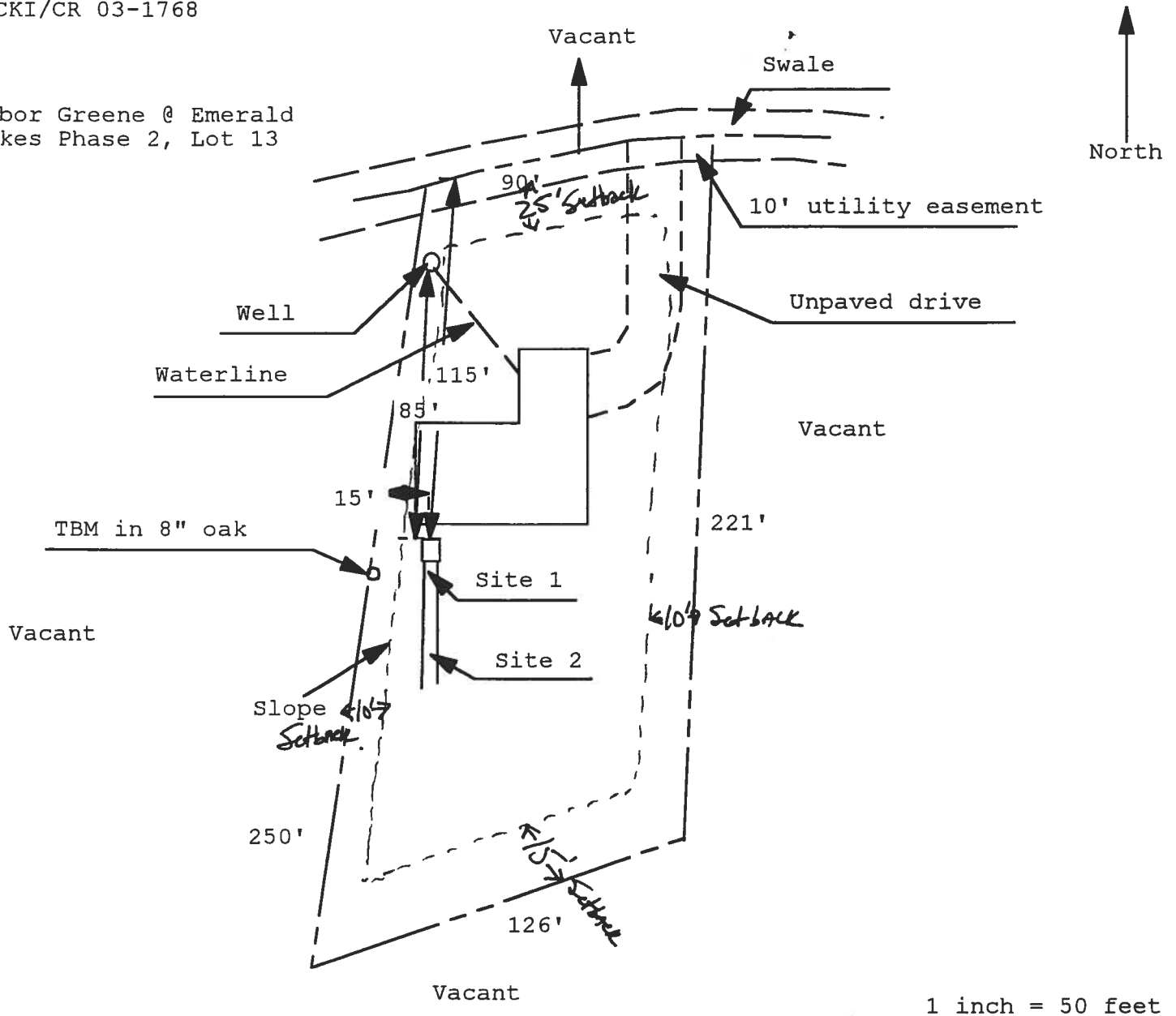
# Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 04-0274N

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

NOWICKI/CR 03-1768

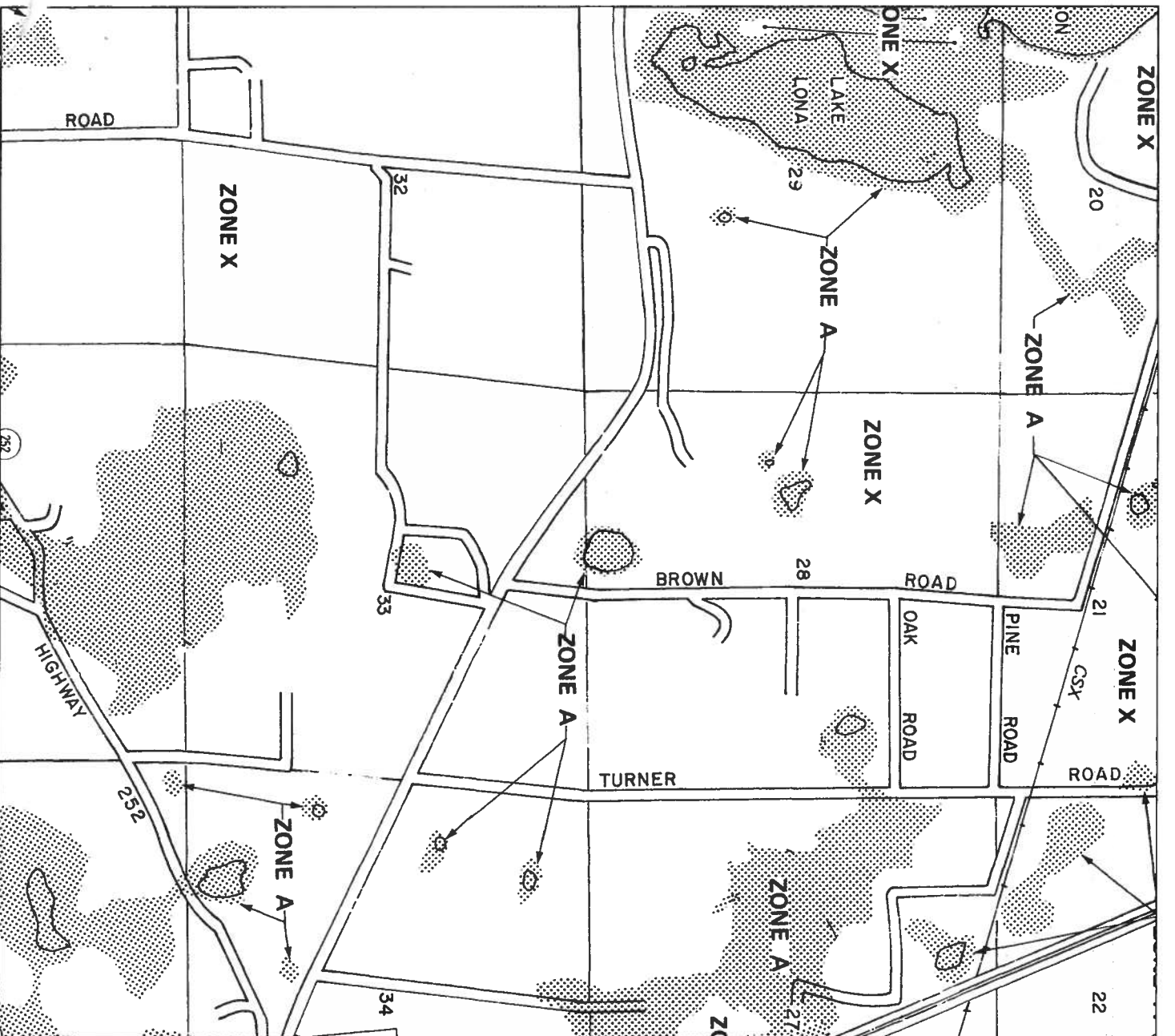
Arbor Greene @ Emerald  
Lakes Phase 2, Lot 13



1 inch = 50 feet

Site Plan Submitted By Paul Doyle Date 3/2/04  
 Plan Approved ☒ Not Approved ☐ Date 3/2/04  
 By Paul Doyle CPHU

Notes: \_\_\_\_\_



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/nifl/d](http://www.fema.gov/nifl/d)

**BAILEY BISHOP & LANE, INC.****Engineers****Surveyors****Planners****FLOOR ELEVATION CERTIFICATION**

PROPERTY DESCRIPTION: ***Arbor Greene at Emerald Lakes Phase II  
Lot 13***

OWNER: ***Blake Lundy Construction***

PROJECT REQUIREMENTS: For protection against water damage, the minimum finish floor elevation of the proposed building shall be **158.75** feet. The ground around the proposed building shall be graded to direct all runoff around and away from the proposed building.

  
\_\_\_\_\_  
Gregory G. Bailey, P.E.

Date: February 27, 2004

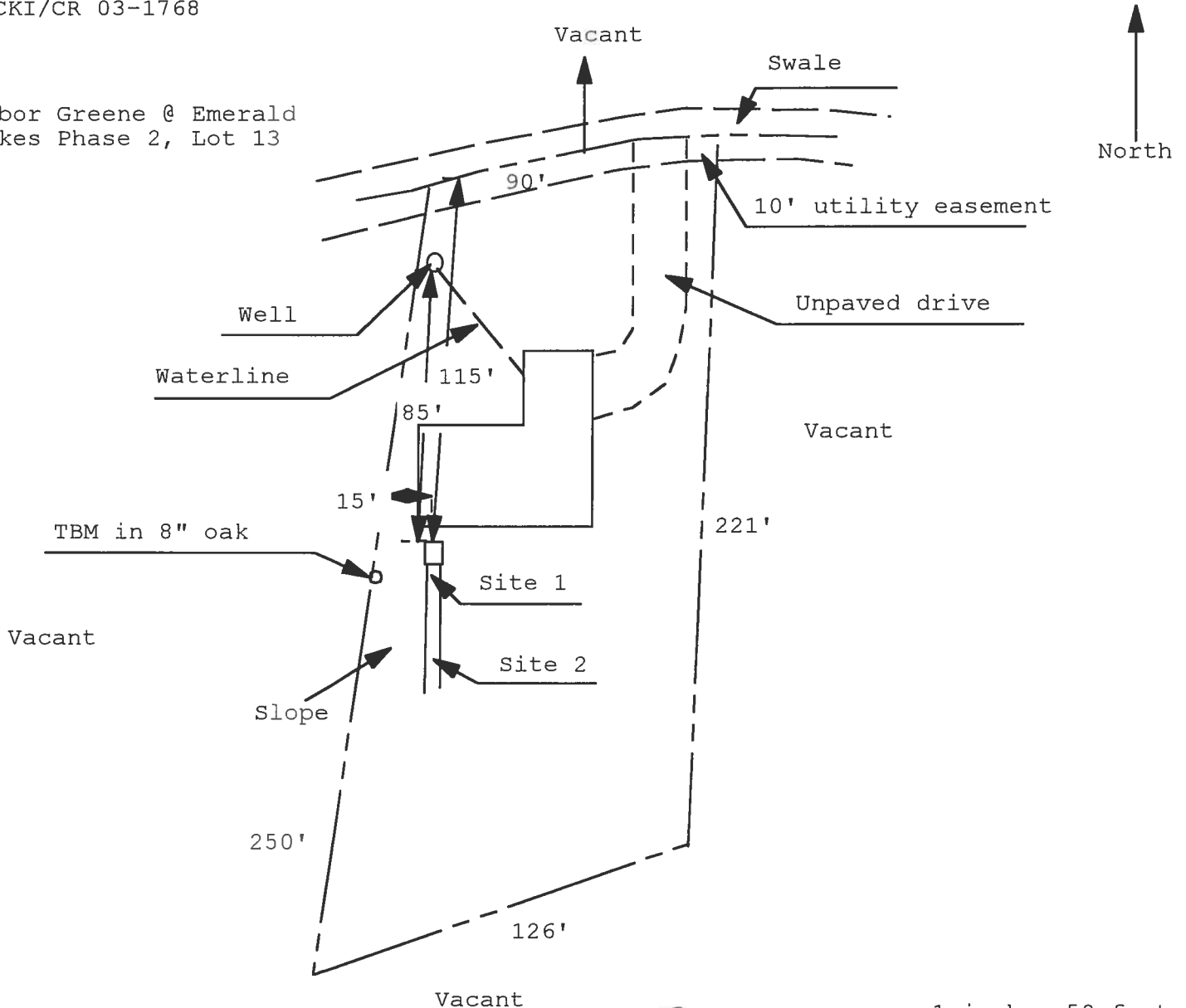
Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan

Permit Application Number: 04-0274N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

NOWICKI/CR 03-1768

Arbor Greene @ Emerald  
Lakes Phase 2, Lot 13



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 3/2/04  
Plan Approved Paul Lloyd Not Approved                      Date 3/2/04

By Paul Lloyd msm CPHU

Notes: 3-5-04



# BAILEY BISHOP & LANE, INC.

*Engineers*

*Surveyors*

*Planners*

## FLOOR ELEVATION CERTIFICATION

PROPERTY DESCRIPTION: ***Arbor Greene at Emerald Lakes Phase II  
Lot 13***

OWNER: ***Blake Lundy Construction***

PROJECT REQUIREMENTS: For protection against water damage, the minimum finish floor elevation of the proposed building shall be **158.75** feet. The ground around the proposed building shall be graded to direct all runoff around and away from the proposed building.

  
\_\_\_\_\_  
Gregory G. Bailey, P.E.

Date: February 27, 2004



# BAILEY BISHOP & LANE, INC.

**Engineers****Surveyors****Planners**

## FLOOR ELEVATION CERTIFICATION

21597

PROPERTY DESCRIPTION: ***Arbor Greene at Emerald Lakes Phase II  
Lot 13***

OWNER: ***Blake Lundy Construction***

PROJECT REQUIREMENTS: For protection against water damage, the minimum finish floor elevation of the proposed building shall be **158.75** feet. The ground around the proposed building shall be graded to direct all runoff around and away from the proposed building.

  
Gregory G. Bailey, P.E.

Date: February 27, 2004



## Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1825 • Lake City, FL 32056-1825  
 8919 Distribution Avenue S., Unit 65 • Jacksonville, FL 32257

Tel. (386) 785-3833 • Fax (386) 782-5456  
 Tel. (904) 282-4046 • Fax (904) 282-4047

#21597

JOB NO.: 04-131

DATE TESTED: 03/11/04

## REPORT OF IN-PLACE DENSITY TEST

<b>PROJECT:</b>	Lot #13, Arbor Green @ Emerald Lake Subdivision, Phase II				
<b>CLIENT:</b>	Blake Construction, 872 S.W. Jaguar Drive, Lake City, FL 32025				
<b>GENERAL CONTRACTOR:</b>	Blake Construction				
<b>EARTHWORK CONTRACTOR:</b>	Blake Construction				
<b>INSPECTOR:</b>	Clay Carter / Jody Beggs				
<table border="1"> <tr> <th>ASTM METHOD</th> <th>SOIL USE</th> </tr> <tr> <td>(D-2922) Nuclear</td> <td>BUILDING FILL</td> </tr> </table>		ASTM METHOD	SOIL USE	(D-2922) Nuclear	BUILDING FILL
ASTM METHOD	SOIL USE				
(D-2922) Nuclear	BUILDING FILL				
<b>SPECIFICATION REQUIREMENTS:</b> 95%					

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	N.E. Corner of Pad	0-12"	114.6	6.2	107.9	1 (04-111)	107.3	100.6%
2	Approx. Center of Proposed House Pad	0-12"	113.5	6.4	106.7	1 (04-111)	107.3	99.4%
3	S.W. Corner of Pad	0-12"	113.5	5.4	107.7	1 (04-111)	107.3	100.4%

**REMARKS:** The Above Tests Meet Specification Requirements

PROCTORS				
TEST NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
1 (04-111)	Grayish Tan Silty Fine Sand	107.3	9.4	MODIFIED (ASTM D-1557)

Respectfully Submitted,  
 CAL-TECH TESTING, INC.

Reviewed By:

Linda M. Creamer  
 President - CEO

Date:  
 Florida Registration No.:

cm

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.



# COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

## 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 28-3S-16-02372-613

Building permit No. 000021597

Use Classification SFD, UTILITY

Fire: 17.01

Permit Holder BLAKE LUNDE

Waste: 36.75

Owner of Building WALT & PENNY NOWICKI

Total: 53.76

Location: 824 NW EMERALD LAKES DR, LAKE CITY, FL, 32055



Date: 07/02/2004

*Harry Sticker*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)

PREPARED BY:  
Nathan Jones  
Robertson & Anschutz, P.C.  
10333 Richmond Avenue, Suite 550  
Houston, TX 77042

AFTER RECORDED RETURN TO:

Bank of America, N.A.  
9000 Southside Blvd, Bldg 700 [CONSTRUCTION]  
Jacksonville, FL 32256-0000

NOTICE OF COMMENCEMENT

Permit No. \_\_\_\_\_ Tax Folio No. \_\_\_\_\_

State of Florida  
County of Columbia

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.

1. Legal description of property (Include street address, if available)  
\* Arbor Green & Emerald  
Lake City, FL 32056

SEE EXHIBIT 'A' LEGAL DESCRIPTION ATTACHED HERETO AND MADE A PART  
HEREOF FOR ALL PURPOSES

2. General description of improvement(s)

Construction of house

3. Owner information

Name: Walter S. Nowicki and spouse, Penny Nowicki  
Address: 25640 Belle Alliance  
Leesburg, FL 34748  
(352) 728-4287

4. Contractor information

Name: Blake Construction  
Address: 872 SW Jaguar Drive Lake City, FL 32025

Phone: (386) 754-5810

5. Surety

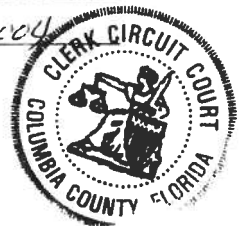
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ Amt. of bond: \_\_\_\_\_

STATE OF FLORIDA, COUNTY OF COLUMBIA  
I HEREBY CERTIFY, that the above and foregoing  
is a true copy of the original filed in this office.  
P DeWITT CASON, CLERK OF COURTS

By Maria K...  
Deputy Clerk

Date March 19, 2004



21597

6. Lender  
Name: Bank of America, N.A.  
Address: 1201 Main Street, 11th Floor, Dallas, Texas 75202  
Phone #: 214-743-9547
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_
8. In addition to himself, Owner designates \_\_\_\_\_ of \_\_\_\_\_  
\_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.  
Phone #: \_\_\_\_\_  
Fax #: \_\_\_\_\_
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

  
Signature of Owner

Sworn to and subscribed before me this 16th day of March, 2004

My commission expires:

  
Notary Public



**EXHIBIT "A"**

Lot 13, Arbor Greene At Emerald Lakes, Phase 2, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 131-133 of the Public Records of Columbia County, Florida

Inst:2004006178 Date:03/19/2004 Time:15:31

\_\_\_\_DC,P.DeWitt Cason,Columbia County B:1010 P:195

# Notice of Treatment

Applicator Florida Pest Control & Chemical Co.

Address 536 SE Bay Ave

City Lake City Phone 732-2103

Site Location Subdivision Emerald Lakes

Lot# 13 Block# 2159 Permit# 453 NW Emerald Lakes Dr

Address

## AREAS TREATED

Print Technician's

Name

Time

Date

Area Treated

Main Body

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 DUPONT TC % 15

Remarks EXTERIOR COMPLETE

Applicator - White • Permit File - Canary • Permit Holder - Pink

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