

DATE 03/05/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000021595

APPLICANT BLAKE LUNDE PHONE 754-5810
 ADDRESS 872 SW JAQUAR DRIVE LAKE CITY FL 32025
 OWNER DARBY ROGERS CO PHONE 752-6575
 ADDRESS 825 NW ZACK DRIVE LAKE CITY FL 32055
 CONTRACTOR BLAKE LUNDE PHONE _____
 LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL WINDING WAY, TL ON EMERALD LAKES
DRIVE, THROUGH STOP SIGN, 1ST ON LEFT
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 113050.00
 HEATED FLOOR AREA 2261.00 TOTAL AREA 2628.00 HEIGHT 00 STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 9/12 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-16-02372-614 SUBDIVISION ARBOR GREEN @ EMERALD LAKES
 LOT 14 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 50

000000220 Y RR0067618
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
 PERMIT 04-0226-N BK JK
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ELEVATION LETTER RECEIVEDCheck # or Cash 2854**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 \$ 570.00 CERTIFICATION FEE \$ 13.14 SURCHARGE FEE \$ 13.14
 MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
 FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ 25.00 **TOTAL FEE** 671.28
 INSPECTORS OFFICE [Signature] CLERKS OFFICE CX

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

220/ 21595

Date 2-16-04

Building Permit Application

Application No. 0402-66

Applicants Name & Address Blake Construction Co. Phone 754-5810
872 SW Jaguar Dr., Lake City FL 32025
 Owners Name & Address Century 21 The Darby Rogers Co. Phone 752-6575
3101 US Hwy 90 West, Suite 101, Lake City FL 32055
 Fee Simple Owners Name & Address Arbok Green @ Emerald Lakes, Lot 14 Phone _____
 _____ FL _____
 Contractors Name & Address Blake Construction Co. Phone 754-5810
872 SW Jaguar Dr., Lake City FL 32025
 Legal Description of Property Lot 14, Arbor Greene @ Emerald Lakes Phase II
825 NW Zack Dr, Lake City 32055
 Location of Property 90 W to Brown Rd T-R to Winding Way T-L to Emerald Lakes Dr
T-L to to Zack Dr. Through Stop sign - 1st on left.
 Tax Parcel Identification No. 28-35-16-02372-614 Estimated Cost of Construction \$ 95,000
 Type of Development Residential No. of Existing Dwellings on Property 0
 Comprehensive Plan Map Catagory Res Low Den. Zoning Map Catagory RSF-2
 Building Height .00 No. of Stories 2 Floor Area 2261 Total Acreage in Development .5018
 Distance From Property Lines (Set Backs) Front 25' Side 10' Rear 15' Street 25'
 Flood Zone 1' above Road per plat Certification Date _____ Development Permit _____
 Bonding Company Name & Address N/A
 Architect/Engineer Name & Address Mark Disosway, P.O. Box 868, Lake City, FL 32056
 Mortgage Lenders Name & Address People's State Bank, P.O. Box 2199, Lake City, FL 32056

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.

[Signature]
 Owner or Agent (including contractor)

[Signature]
 Contractor

RR-0067618

Contractor Liscense No.

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 16th day of Feb. 2004 by Blake N. Lundert II



Personally Known ✓ OR Produced Identification

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 16th day of Feb '04 by Blake N. Lundert II



Personally Known ✓ OR Produced Identification

THIS INSTRUMENT WAS PREPARED BY:
TERRY MCDAVID 04-98
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328
RETURN TO:
TERRY MCDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst: 2004004564 Date: 03/01/2004 Time: 13:12
DC, P. Dewitt Cason, Columbia County B.1008 P.1411

PERMIT NO. _____

TAX FOLIO NO. Part of R02372-001

NOTICE OF COMMENCEMENT

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. Description of property:

Lot 14, ARBOR GREENE AT EMERALD LAKES, PHASE 2, a subdivision according to the plat thereof recorded in Plat Book 7, Pages 131-133, public records of Columbia County, Florida.

2. General description of improvement: Residential Dwelling.

3. Owner information:

a. Name and address: THE DARBY ROGERS COMPANY, 3101 West U.S. Highway 90, Suite 101, Lake City, FL 32055.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: BLAKE CONSTRUCTION COMPANY OF NORTH FLORIDA, INC., 872 SW Jaguar Drive, Lake City, Florida 32025.

5. Surety

a. Name and address: None

6. Lender: PEOPLES STATE BANK, 350 SW Main Blvd., Lake City, Florida 32025.

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: None

8. In addition to himself, Owner designates ROBERT W. WOODARD, Executive Vice President of PEOPLES STATE BANK, 350 SW Main Blvd., Lake City, Florida 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). February 26, 2005.

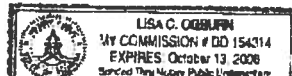
THE DARBY ROGERS COMPANY

By: Blake N. Lunde, II, President

The foregoing instrument was acknowledged before me this 26th day of February, 2004, by BLAKE N. LUNDE, II, as President of THE DARBY ROGERS COMPANY. He is personally known to me and did not take an oath.

Lisa C. Osburn
Notary Public

My commission expires: _____



TOTAL P. 03

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	402122BlakeConstructionSpecHouseLot14	Builder:	BlakeConstruction
Address:	Lot: 14, Sub: Emeraled Lakes, Plat:	Permitting Office:	
City, State:	Lake City, FL 32026-	Permit Number:	21595
Owner:	SpecHouse	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: 52.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2261 ft ²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 52.0 kBtu/hr
a. Clear - single pane	0.0 ft ²		HSPF: 6.80
b. Clear - double pane	338.9 ft ²	b. N/A	
c. Tint/other SHGC - single pane	0.0 ft ²	c. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 281.0(p) ft		EF: 0.89
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=11.0, 2144.0 ft ²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=11.0, 320.0 ft ²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2668.0 ft ²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 180.0 ft		
b. N/A			

Glass/Floor Area: 0.15

Total as-built points: 36717

Total base points: 36719

PASS

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

PREPARED BY: Jonathan M. Morris

DATE: 02/12/04

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: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

PERMIT #:

BASE				AS-BUILT													
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points													
.18	2261.0	20.04	8155.9	Double, Clear	W	1.0	7.0	32.0	36.99	0.98	1163.0						
				Double, Clear	W	10.0	7.0	32.0	36.99	0.46	541.0						
				Double, Clear	W	10.0	7.7	10.0	36.99	0.47	174.4						
				Double, Clear	W	6.7	7.0	21.0	36.99	0.54	420.8						
				Double, Clear	W	1.0	5.0	16.0	36.99	0.95	561.7						
				Double, Clear	N	1.0	7.0	24.0	19.22	0.98	454.1						
				Double, Clear	N	1.0	5.0	8.0	19.22	0.96	147.8						
				Double, Clear	E	1.0	10.0	39.9	40.22	0.99	1596.4						
				Double, Clear	E	9.0	8.0	37.4	40.22	0.49	732.0						
				Double, Clear	E	13.0	2.0	3.0	40.22	0.36	43.1						
				Double, Clear	E	7.7	13.0	22.2	40.22	0.67	598.0						
				Double, Clear	E	9.0	8.0	37.4	40.22	0.49	732.0						
				Double, Clear	E	1.0	7.0	32.0	40.22	0.98	1263.9						
				Double, Clear	NW	13.0	7.0	12.0	25.46	0.55	168.2						
				Double, Clear	SW	9.0	7.0	12.0	38.46	0.44	205.1						
				As-Built Total:								338.9		8801.4			
				WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points									
				Adjacent	320.0	0.70	224.0	Frame, Wood, Exterior			11.0	2144.0		1.70	3644.8		
Exterior	2144.0	1.70	3644.8	Frame, Wood, Adjacent			11.0	320.0		0.70	224.0						
Base Total:				2464.0				3868.8				As-Built Total:		2464.0		3868.8	
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points													
Adjacent	37.8	2.40	90.7	Exterior Insulated				20.0		4.10	82.0						
Exterior	60.0	6.10	366.0	Adjacent Insulated				20.0		1.60	32.0						
				Exterior Insulated				20.0		4.10	82.0						
				Exterior Insulated				20.0		4.10	82.0						
				Adjacent Insulated				17.8		1.60	28.5						
Base Total:				97.8				456.7				As-Built Total:		97.8		306.5	
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points													
Under Attic	2261.0	1.73	3911.5	Under Attic			30.0	2668.0	1.73 X 1.00		4615.6						
Base Total:				2261.0				3911.5				As-Built Total:		2668.0		4615.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

PERMIT #:

BASE				AS-BUILT						
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points				
Slab	281.0(p)	-37.0	-10397.0	Slab-On-Grade Edge Insulation	0.0	281.0(p)	-41.20	-11577.2		
Raised	0.0	0.00	0.0							
Base Total:			-10397.0	As-Built Total:		281.0	-11577.2			
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
2261.0 10.21 23084.8				2261.0 10.21 23084.8						
Summer Base Points:			29080.7	Summer As-Built Points:			29099.9			
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)						
29080.7	0.4266	12405.8		29099.9	1.000	(1.090 x 1.147 x 1.00)	0.310	1.000	11288.2	
				29099.9	1.00	1.250	0.310	1.000	11288.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

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	2261.0	12.74	5184.9	Double, Clear	W	1.0	7.0	32.0	10.77	1.00	346.1
				Double, Clear	W	10.0	7.0	32.0	10.77	1.20	413.5
				Double, Clear	W	10.0	7.7	10.0	10.77	1.19	128.5
				Double, Clear	W	6.7	7.0	21.0	10.77	1.16	262.6
				Double, Clear	W	1.0	5.0	16.0	10.77	1.01	174.6
				Double, Clear	N	1.0	7.0	24.0	14.30	1.00	343.3
				Double, Clear	N	1.0	5.0	8.0	14.30	1.00	114.6
				Double, Clear	E	1.0	10.0	39.9	9.09	1.01	365.0
				Double, Clear	E	9.0	8.0	37.4	9.09	1.32	448.7
				Double, Clear	E	13.0	2.0	3.0	9.09	1.51	41.1
				Double, Clear	E	7.7	13.0	22.2	9.09	1.15	232.8
				Double, Clear	E	9.0	8.0	37.4	9.09	1.32	448.7
				Double, Clear	E	1.0	7.0	32.0	9.09	1.01	294.2
				Double, Clear	NW	13.0	7.0	12.0	14.03	1.03	173.8
				Double, Clear	SW	9.0	7.0	12.0	7.17	1.74	149.7
				As-Built Total:				338.9	3937.4		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	320.0	3.60	1152.0	Frame, Wood, Exterior	11.0		2144.0	3.70		7932.8	
Exterior	2144.0	3.70	7932.8	Frame, Wood, Adjacent	11.0		320.0	3.60		1152.0	
Base Total:				As-Built Total:				2464.0	9084.8		
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	37.8	11.50	434.7	Exterior Insulated			20.0	8.40		168.0	
Exterior	60.0	12.30	738.0	Adjacent Insulated			20.0	8.00		160.0	
				Exterior Insulated			20.0	8.40		168.0	
				Exterior Insulated			20.0	8.40		168.0	
				Adjacent Insulated			17.8	8.00		142.4	
Base Total:				As-Built Total:				97.8	806.4		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2261.0	2.05	4635.0	Under Attic	30.0		2668.0	2.05 X 1.00		5469.4	
Base Total:				As-Built Total:				2668.0	5469.4		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X	WPM	= Points
Slab	281.0(p)	8.9	2500.9	Slab-On-Grade Edge Insulation	0.0	281.0(p)	18.80	5282.8
Raised	0.0	0.00	0.0					
Base Total:			2500.9	As-Built Total:		281.0	5282.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
			2261.0			2261.0	-0.59	-1334.0
Winter Base Points:			21244.4	Winter As-Built Points:			23246.8	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Heating Points
				(DM x DSM x AHU)				
21244.4		0.6274	13328.7	23246.8	1.000	(1.069 x 1.169 x 1.00)	0.501	14568.0
				23246.8	1.00	1.250	0.501	1.000 14568.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

PERMIT #:

BASE					AS-BUILT							
WATER HEATING												
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit Multiplier	= Total
4		2746.00		10984.0	40.0	0.89	4		1.00	2715.15	1.00	10860.6
					As-Built Total:							10860.6

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
12406		13329		10984	36719	11288		14568		10861	36717

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

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* = 82.4

The higher the score, the more efficient the home.

SpecHouse, Lot: 14, Sub: Emeraled Lakes, Plat: , Lake City, FL, 32026-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 52.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	2261 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 52.0 kBtu/hr
b. Clear - double pane	338.9 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 281.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.89
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=11.0, 2144.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=11.0, 320.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2668.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 180.0 ft		
b. N/A			

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 EnergyStarTM 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: FLR1PB v3.22)



BAILEY BISHOP & LANE, INC.

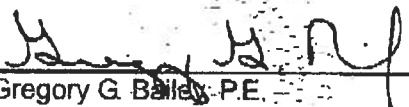
Engineers**Surveyors****Planners**

FLOOR ELEVATION CERTIFICATION

PROPERTY DESCRIPTION: ***Arbor Greene at Emerald Lakes Phase II
Lot 14***

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.



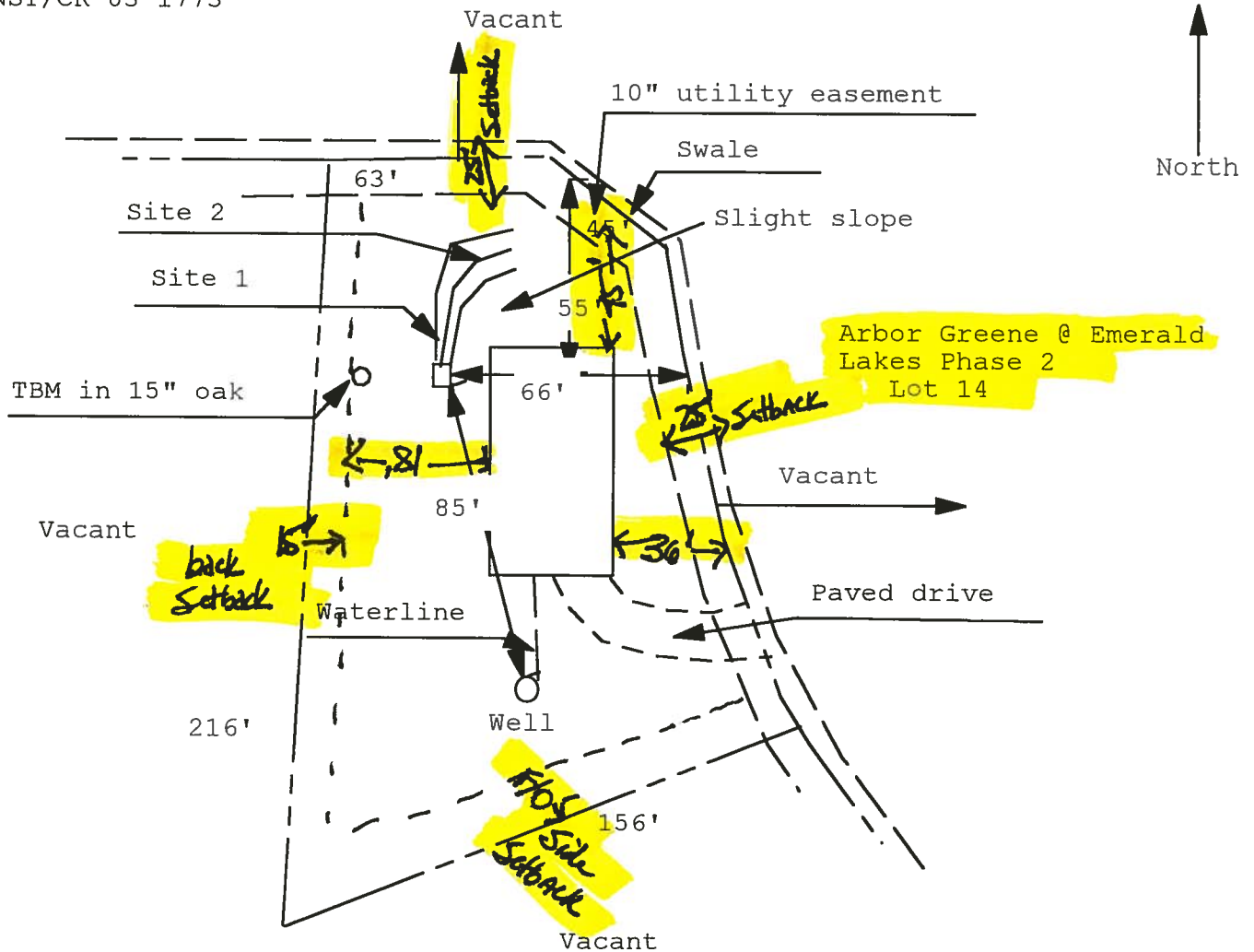
Gregory G. Bailey, P.E.

Date: February 27, 2004

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0226N

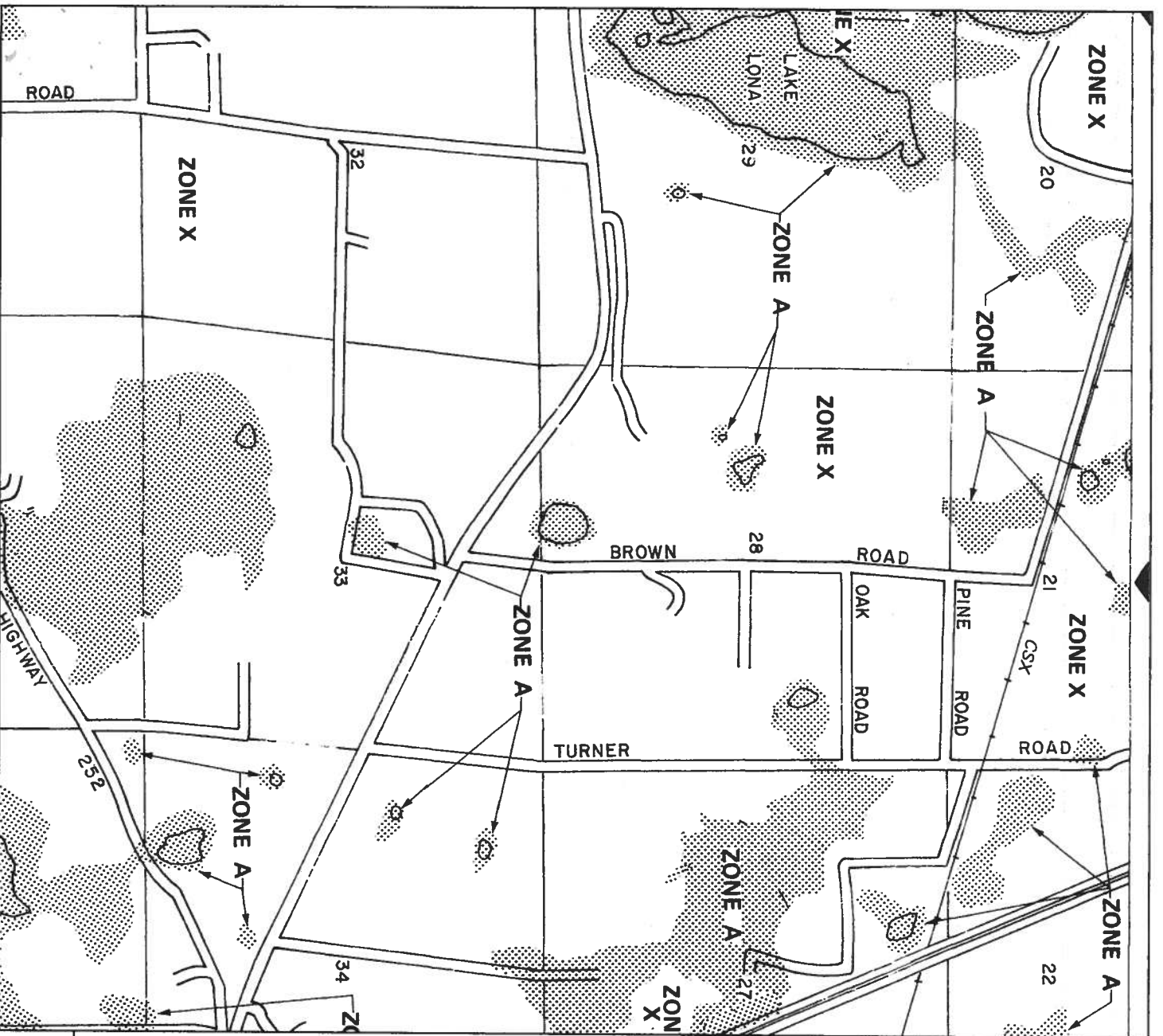
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BLAKE CONST/CR 03-1773



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 2/17/04
 Plan Approved Not Approved Date 2/17/04
 By Paul Lloyd 2252 C CPHU
 Notes: 2-25-04



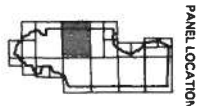
APPROXIMATE SCALE IN FEET
 2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
 FLOOD INSURANCE RATE MAP

COLUMBIA
 COUNTY,
 FLORIDA
 (UNINCORPORATED AREAS)

PANEL 175 OF 290

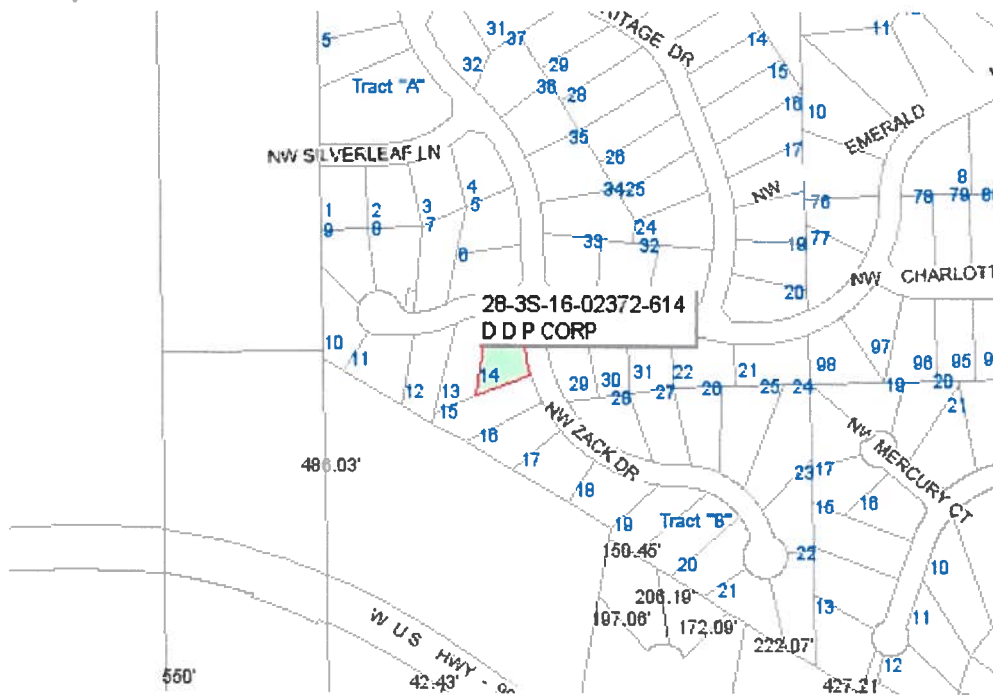


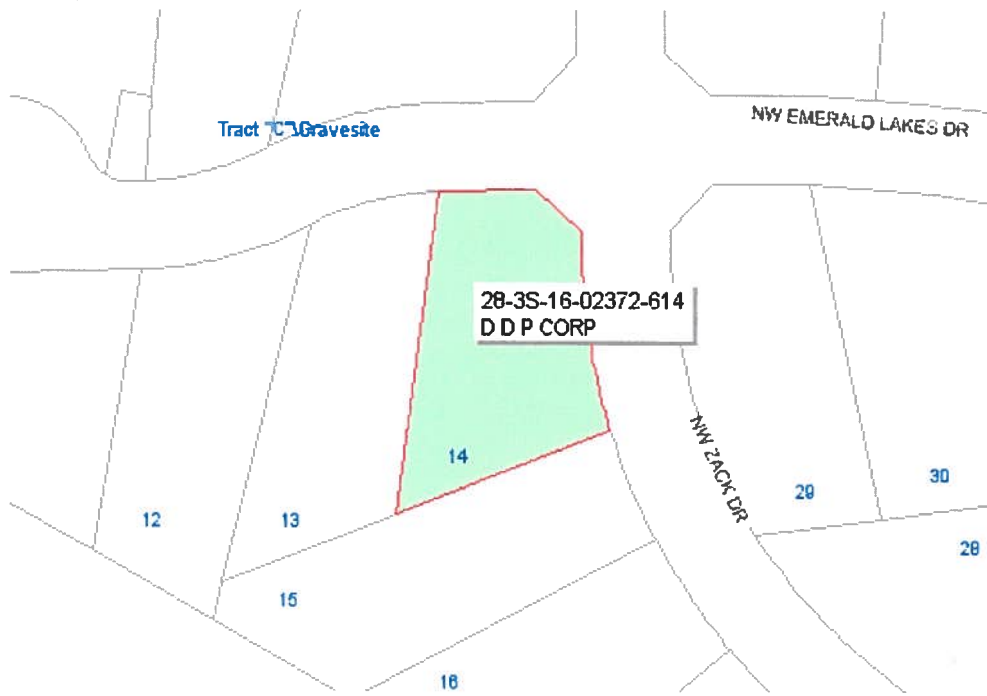
COMMUNITY-PANEL NUMBER
 120070 0175 B
 EFFECTIVE DATE:
 JANUARY 6, 1988



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/nifm.





Parcel ID: 28-3S-16-02372-614

Columbia County Property Appraiser

Owner & Property Info

Owner's Name	D D P CORP
Site Address	ARBOR GREENE PHS 2
Mailing Address	5012 US 90 W LAKE CITY, FL 32055
Brief Legal	LOT 14 ARBOR GREENE AT EMERALD LAKES PHASE 2.

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

Use Desc. (code)	VACANT (000000)
Neighborhood	28316.05
Tax District	2
UD Codes	
Market Area	01
Total Land Area	0.500 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$18,275.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$18,275.00

Just Value	\$18,275.00
Class Value	\$0.00
Assessed Value	\$18,275.00
Exempt Value	\$0.00
Total Taxable Value	\$18,275.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

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)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	\$18,275.00	\$18,275.00

Columbia County Property Appraiser

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000220

DATE 03/05/2004 PARCEL ID # _____
APPLICANT BLAKE LUNDE PHONE 754-5810
ADDRESS 872 SW JAGUAR DRIVE LAKE CITY FL 32025
OWNER DARBY ROGERS CO PHONE 752-6575
ADDRESS 453 EMERALD LAKES DRIVE LAKE CITY 32055
CONTRACTOR BLAKE LUNDE PHONE 754-5810
LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON WINDING WAY, TL EMERALD LAKES DR.,
THROUGH STOP SIGN, 1ST ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ARBOR GREEN @ E LKS 14

SIGNATURE

INSTALLATION REQUIREMENTS



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





Donald F. Lee & Associates, Inc.
Surveyors & Engineers

21595

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
dfla@suwanneevalley.net

Monday, July 26, 2004

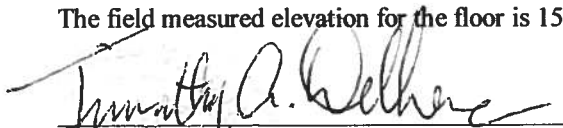
TO: Blake Construction

FROM: Tim Delbene, P.S.M. – Donald F. Lee & Associates, Inc.

RE: Lot 14 – Arbor Green at Emerald Lake Phase 2 – Foundation Elevation check

This letter is to certify that the floor elevation was measured for a new residence constructed on Lot 14 of Arbor Green at Emerald Lake Phase 2, on Monday, July 26, 2004. The elevation is based on project benchmarks for said Arbor Green at Emerald Lake Phase 2, with benchmark data obtained from Bailey, Bishop and Lane, Inc., the project's engineers.

The field measured elevation for the floor is 158.84 feet MSL.


Timothy A. Delbene, P.S.M.
Florida Cert. reg. No. LS 5594

DATE: 7/26/2004

Donald F. Lee & Associates, Inc.



Donald F. Lee & Associates, Inc.
Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
dfla@suwanneevalley.net

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Donald F. Lee & Associates, Inc.



BAILEY BISHOP & LANE, INC.

Engineers

Surveyors

Planners

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Gregory G. Bailey, P.E.

Date: February 27, 2004



BAILEY BISHOP & LANE, INC.

Engineers**Surveyors****Planners**

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21595

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Gregory G. Bailey, P.E.

Date: February 27, 2004



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 - Lake City, FL 32066-1625
6619 Distribution Avenue S., Unit #5 - Jacksonville, FL 32257

Tel. (386) 755-3833 • Fax (386) 752-0456
Tel. (904) 282-4046 • Fax (904) 282-4047

JOB NO.: 04-111

DATE TESTED: 03/08/04

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Lot #14, Arbor Green @ Emerald Lakes Subdivision, Phase II # 21595
CLIENT:	Blake Construction, 872 S.W. Jaguar Drive, Lake City, FL 32025
GENERAL CONTRACTOR:	Blake Construction
EARTHWORK CONTRACTOR:	Blake Construction
INSPECTOR:	Robert Edwards
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
1	12' E. of W. End, 6' N. of S. End	0 - 12"	112.6	8.2	104.1	1	107.3	97.0%
2	Center of House Pad	0 - 12"	110.9	7.2	103.5	1	107.3	96.5%
3	6' S. of N. End, 20' E. of W. End	0 - 12"	109.5	5.3	104.0	1	107.3	96.9%

REMARKS:

The Above Tests Meet Specification Requirements.

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

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

1cc: Client

1cc: File

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 judgment should be exercised with regard to the use and interpretation of the data.

COLUMBIA COUNTY OFFICIAL CERTIFICATE

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-16-02372-614

Building permit No. 000021595

Use Classification SFD, UTILITY

Fire: 11.34

Permit Holder BLAKE LUNDE

Waste: 24.50

Owner of Building DARBY ROGERS CO

Total: 35.84

Location: 825 NW ZACK DR. (ARBOR GREEN @ EM. LAKES, LOT 14)

Date: 08/16/2004



Henry Sticks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

#10791

Notice of Treatment

Applicator Florida Pest Control & Chemical Co.

Address 53654 Bay

City Phone 752-2703

Site Location Subdivision

Lot# 14 Block# Permit#

Address 885 NW 2nd St

AREAS TREATED

Print Technician's Name Date Time Gal.

Main Body 1/6/11 8:25 6.0 594.00

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

Remarks

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