

DATE 05/17/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000021874

APPLICANT KATIE REED

PHONE 752-4072

ADDRESS 2230 SE BAYA DRIVE

LAKE CITY

FL 32055

OWNER ROY & ANNA CHIONG

PHONE

ADDRESS 222 NW HERITAGE DR.

LAKE CITY

FL 32055

CONTRACTOR DON REED

PHONE

LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON WINDING PLACE, TL ON EMERALD LAKES DR., TR ON HERITAGE, LOT 27 ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY

ESTIMATED COST OF CONSTRUCTION

104900.00

HEATED FLOOR AREA

2098.00

TOTAL AREA

2844.00

HEIGHT .00

STORIES 1

FOUNDATION CONC

WALLS FRAMED

ROOF PITCH

6/12

FLOOR SLAB

LAND USE & ZONING

RSF2

MAX. HEIGHT

20

Minimum Set Back Requirements:

STREET-FRONT

25.00

REAR

15.00

SIDE

10.00

NO. EX.D.U.

0

FLOOD ZONE

X PP

DEVELOPMENT PERMIT NO.

PARCEL ID 28-3S-16-02372-527

SUBDIVISION

ARBOR GREENE AT EMERALD LAKES

LOT 27

BLOCK

PHASE 1

UNIT

TOTAL ACRES

.61

000000307

N

CGC036224

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

PERMIT

04-0439-N

BK

RJ

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: PLAT STATES THAT 1ST FLOOR ELEVATION IS TO BE 1 FOOT ABOVE CENTER OF ADJACENT ROADWAY AND GRADED TOWARDS ROADSIDE OF DITCH

Check # or Cash

949

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

date/app. by

Pool

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 \$

525.00

CERTIFICATION FEE \$

14.22

SURCHARGE FEE \$

14.22

MISC. FEES \$

.00

ZONING CERT. FEE \$

50.00

FIRE FEE \$

WASTE FEE \$

FLOOD ZONE DEVELOPMENT FEE \$

CULVERT FEE \$

25.00

TOTAL FEE

628.44

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

0404-93 307/
4-28-04 CH 218

Application Approved by - Zoning Official BLK Date 14.05.09 Plans Examiner _____ Date _____
Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low
Comments Plat states that 1st floor elevation is to be 1 foot above center line of adjacent roadway and graded towards roadside ditch.

Applicants Name Katie Reed Phone 386-752-4072
Address 2230 SE Baya Drive Lake City, FL 32025
Owners Name Roy and Anna Chiong Phone 386-752-4072
911 Address 222 NW Heritage Drive Lake City, FL 32055
Contractors Name Don Reed Construction, Inc. Phone 386-752-4072
Address 2230 SE Baya Drive Lake City, FL 32025 (Suite 1)
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Mark Disosway P.E. P.O. Box 868 Lake City, FL 32056
Mortgage Lenders Name & Address CNB National Bank 187 SW Baya Drive Lake City, FL 32025
Property ID Number 28-3S-16-02372-527 Estimated Cost of Construction \$135,900
Subdivision Name Arbor Greene at Emerald Lakes Lot 27 Block _____ Unit _____ Phase 1
Driving Directions US 90W to Brown RD; TR on Brown; TL on Winding Place; TL on Emerald Lakes Drive; TR on Heritage; Lot 27 on the right
Type of Construction Single family dwelling Number of Existing Dwellings on Property 0
Total Acreage .610 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing D
Actual Distance of Structure from Property Lines - Front 35' Side 20' Side 10' minimum Rear 175'
Total Building Height 20' Number of Stories 1 Heated Floor Area 2,098 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.

Owner Builder or Agent (Including Contractor) _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this _____ day of _____ 20____.

Personally known _____ or Produced Identification _____



Ingrid Geiger
Contractor Signature
Contractors License Number CGC036224
Competency Card Number _____

NOTARY STAMP/SEAL

Ingrid Geiger
Notary Signature

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: April 26, 2004

ENHANCED 9-1-1 ADDRESS:

222 NW HERITAGE DR (LAKE CITY, FL 32055)Addressed Location 911 Phone Number: NOT AVAIL.OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 44PROPERTY APPRAISER PARCEL NUMBER: 28-3S-16-02372-527

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 27, ARBOR GREENE AT EMERALD LAKES S/D

Address Issued By: _____

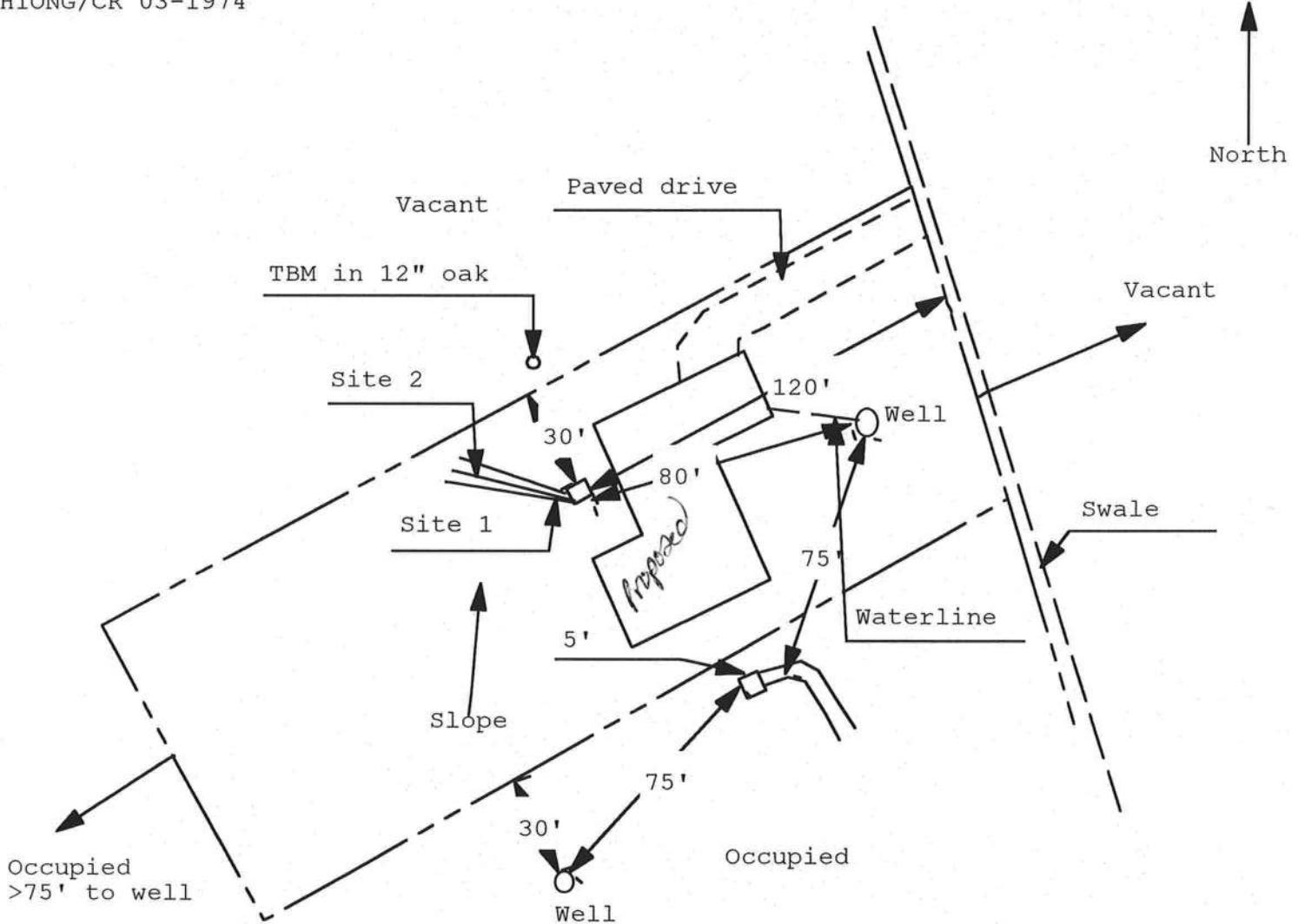
Columbia County 9-1-1 Addressing Department

**COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED**

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0439N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHIONG/CR 03-1974



Arbor Greene @ Emerald
Lakes, Lot 27

1 inch = 50 feet

Site Plan Submitted By Paul Lloyd

Plan Approved Not Approved

Date 4/13/04

Date 4/13/04

By Paul Lloyd

4-19-04 CPHU

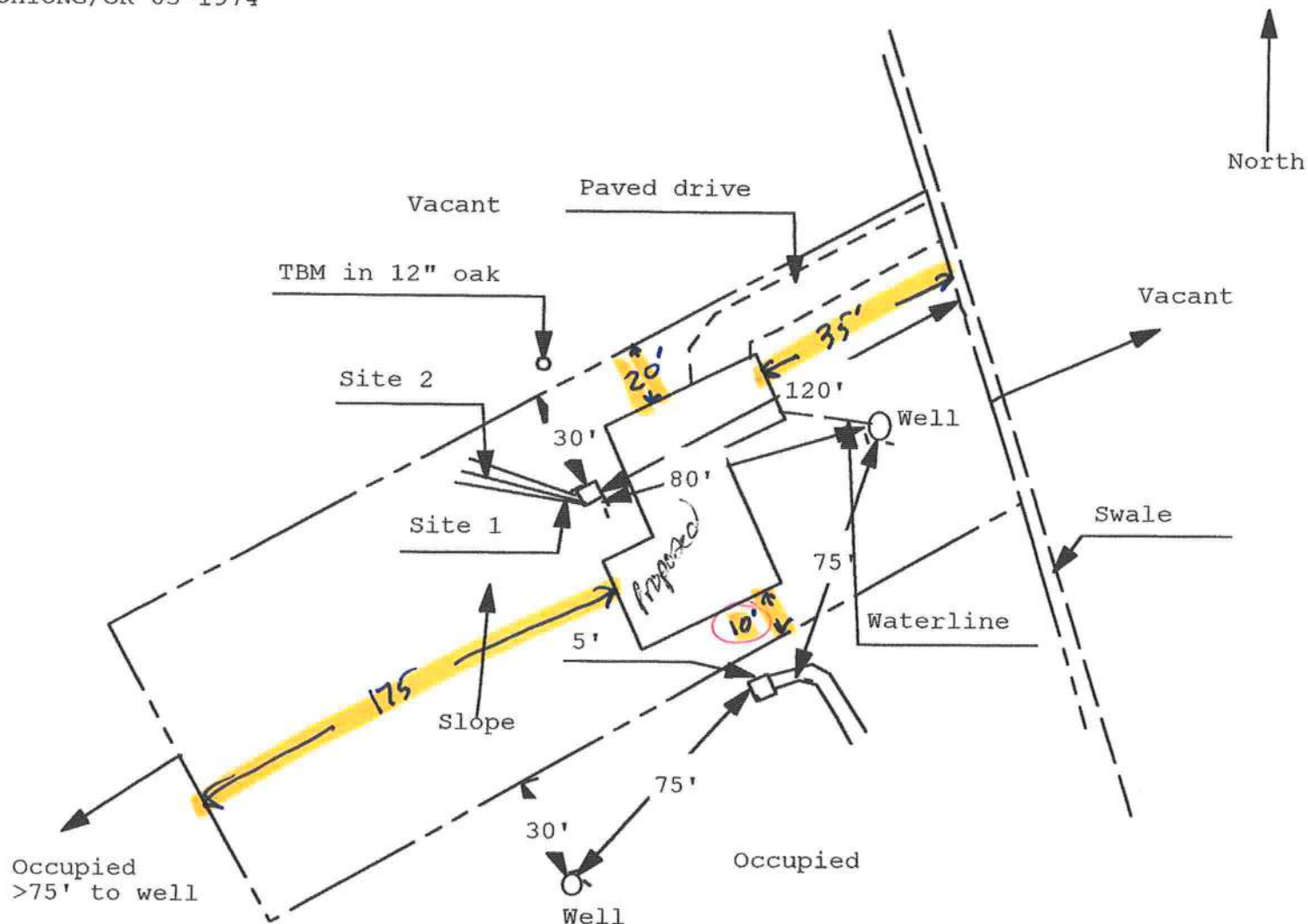
Notes: _____

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

Permit Application Number: 04-0439N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CHIONG/CR 03-1974



Arbor Greene @ Emerald
Lakes, Lot 27

1 inch = 50 feet

Site Plan Submitted By Paul Lloyd

Plan Approved Paul Lloyd Not Approved _____

Date 4/13/04

Date 4/13/04

By _____

Paul Lloyd

Jim A. 2r

(CPHU)

4-19-04

Notes: _____

THIS INSTRUMENT WAS PREPARED BY:

Rec. 10.50

TERRY McDAVID 04-204
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Doc. 143.50

RETURN TO:

✓ TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328Inst:2004009183 Date:04/22/2004 Time:14:54
Doc Stamp-Deed : 143.50
DC, P. Dewitt Cason, Columbia County B:1013 P:729Property Appraiser's
Parcel Identification No.: R02372-527WARRANTY DEED

THIS INDENTURE, made this 19th day of April, 2004, between D D P CORPORATION, a corporation existing under the laws of the State of Florida, whose post office address is 4158 U.S. Highway 90 West, Lake City, FL 32055 and having its principal place of business in the County of Columbia, State of Florida, party of the first part, and ROY O. CHIONG and ANNA LIZA CHIONG, Husband and Wife whose post office address is 3822 NW Huntsboro Street, # 103, Lake City, FL 32055, of the County of Columbia, State of Florida, parties of the second part,

WITNESSETH: that the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00), to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said party of the second part, and its heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

Lot 27, ARBOR GREENE AT EMERALD LAKES, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 82 and 83 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

Inst:2004009183 Date:04/22/2004 Time:14:54

Doc Stamp-Deed : 143.50

DC,P.Dewitt Cason,Columbia County B:1013 P:730

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belong or in anywise appertaining:

TO HAVE AND TO HOLD the same in fee simple forever.

And the said party of the first part doth covenant with said party of the second part that it is lawfully seized of said premises; that they are free of all encumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the party of the first part has caused these presents to be signed in its name by its President, the day and year above written.

Signed, sealed and delivered
in our presence:

D D P CORPORATION, A Florida
Corporation

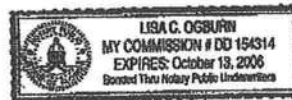
Lisa C. Ogburn
Lisa C. Ogburn
Debbie F. Brown
Debbie F. Brown

By: O.P. Daughtry, III
O.P. DAUGHTRY, III, President

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 19th day of April, 2004, by O.P. DAUGHTRY, III, as President of D D P CORPORATION, a State of Florida corporation, on behalf of the corporation. He is personally known to me and did not take an oath.

Lisa C. Ogburn
Notary Public
My Commission Expires: _____



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 Paul Kien Deputy Clerk
 Date 4-22-04



Inst: 2004008185 Date: 04/22/2004 Time: 14:54
 MK DC, P. Dewitt Cason, Columbia County B:1013 P:753

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
 COUNTY OF Columbia

LOAN NO. 2004-1796

THE UNDERSIGNED HEREBY INFORMS ALL CONCERNED THAT IMPROVEMENTS WILL BE MADE TO CERTAIN REAL PROPERTY AND, IN ACCORDANCE WITH SECTION 713.13 OF THE FLORIDA STATUTES, THE FOLLOWING INFORMATION IS STATED IN THE NOTICE OF COMMENCEMENT. THIS NOTICE IS VOID AND OF NO FORCE AND EFFECT IF CONSTRUCTION IS NOT COMMENCED WITHIN (90) DAYS OF RECORDATION.

1. PROPERTY DESCRIPTION

A. Street Address or Location Description:

TBD Heritage Drive
 Lake City, FLORIDA 32055

B. Legal Description:

See Legal description attached hereto and made a part hereof: as exhibit "A"

2. GENERAL DESCRIPTION OF IMPROVEMENTS:

CONSTRUCTION OF SINGLE FAMILY DWELLING

3. A. OWNER INFORMATION NAME AND ADDRESS:

Name: Anna Liza Chiong

Address: TBD Heritage Drive
 Lake City, FLORIDA 32055

MAILING ADDRESS

3822 NW Huntsboro St Apt #103
 Lake City, FL 32055

B. OWNER'S INTEREST IN THE SITE OF IMPROVEMENT IS: FEE SIMPLE

C. NAME AND ADDRESS OF FEE SIMPLE TITLEHOLDER (IF OTHER THAN OWNER)

Name:
 Address:

4. NAME AND ADDRESS OF CONTRACTOR:

Name: Don Reed Construction
 Address: 3492 East Bay Ave
 Lake City, FL
 Phone Number: _____

Fax Number: _____

5. SURETY (IF ANY):

Name:
 Address:
 Amount of Bond:

6. LENDER MAKING CONSTRUCTION LOAN:

Name: CNB NATIONAL BANK
 Address: 187 SW BAY DR., P.O. BOX 3239
 LAKE CITY, FLORIDA 32025

7. PERSON DESIGNATED BY OWNER UPON WHOM NOTICES OR OTHER DOCUMENTS MAY BE SERVED AS PROVIDED BY SECTION 713.13 (1) (a) FLORIDA STATUTES:

Name:
 Address:

Phone Number: _____

Fax Number: _____

Inst:2004009185 Date:04/22/2004 Time:14:54
DC,P.Dewitt Cason,Columbia County B:1013 P:754

8. OWNER DESIGNATES THE FOLLOWING PERSON IN ADDITION TO HIMSELF TO RECEIVE A COPY OF THE LIENORS NOTICE AS PROVIDED IN SECTION 713.13 (1) (b), FLORIDA STATUTES:

Name: CNB NATIONAL BANK
Address: 187 SW BAY DR., P.O. BOX 3239
LAKE CITY, FLORIDA 32025
Attn:

9. EXPIRATION DATE OF NOTICE OF COMMENCEMENT (THE EXPIRATION DATE IS 1 YEAR FROM THE DATE OF RECORDING UNLESS A DIFFERENT DATE IS SPECIFIED.)


WITNESS Terry McDavid


WITNESS Lisa C. Egburn


OWNER Anna Liza Chiong

OWNER

OWNER

OWNER

State of Florida

The following instrument was acknowledged before me this APRIL 19, 2004
Anna Liza Chiong

by

who is personally known to me or who has produced
who did take an oath.

as identification and

NOTARY PUBLIC
(Seal)

MY COMMISSION EXPIRES: _____



EXHIBIT "A"

Lot 27, ARBOR GREENE AT EMERALD LAKES, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 82 and 83 of the public records of Columbia County, Florida.

Inst:2004009185 Date:04/22/2004 Time:14:54
DC,P.DeWitt Cason,Columbia County B:1013 P:755

Chiong

Columbia County

PRINTED 3/15/2004 9:09
APPR 7/08/2003 HC

TOTAL.

2004

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Chiong Residence	Builder:	Don Reed construction
Address:	Lot: 27, Sub: Arbor Greene, Plat:	Permitting Office:	
City, State:	Lake City, FL	Permit Number:	21874
Owner:	Roy and Anna Chiong	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: 36.0 kBtu/hr |
| 3. Number of units, if multi-family | 1 | | SEER: 10.00 |
| 4. Number of Bedrooms | 4 | b. N/A | |
| 5. Is this a worst case? | Yes | c. N/A | |
| 6. Conditioned floor area (ft ²) | 2098 ft ² | 13. Heating systems | |
| 7. Glass area & type | | a. Electric Heat Pump | Cap: 36.0 kBtu/hr |
| a. Clear - single pane | 0.0 ft ² | | HSPF: 6.80 |
| b. Clear - double pane | 324.3 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: 50.0 gallons |
| a. Slab-On-Grade Edge Insulation | R=0.0, 268.0(p) ft | | EF: 0.90 |
| b. N/A | | b. N/A | |
| c. N/A | | c. Conservation credits | |
| 9. Wall types | | (HR-Heat recovery, Solar | |
| a. Frame, Wood, Exterior | R=13.0, 2286.0 ft ² | DHP-Dedicated heat pump) | |
| b. Frame, Wood, Adjacent | R=13.0, 288.0 ft ² | 15. HVAC credits | CF, |
| 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, 2098.0 ft ² | MZ-H-Multizone heating) | |
| b. N/A | | | |
| c. N/A | | | |
| 11. Ducts | | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 130.0 ft | | |
| b. N/A | | | |

Glass/Floor Area: 0.15

Total as-built points: 33418

Total base points: 35368

PASS

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

PREPARED BY: [Signature]

DATE: 3-30-04

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: _____

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

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.	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplied	Credit Multiplier = Total
Number of Bedrooms	X	Multiplier	=	Total						
4		2746.00		10984.0	50.0	0.90	4	1.00	2684.98	1.00 10739.9
					As-Built Total:					10739.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11551	12832	10984	35368	10470	12208	10740	33418

PASS



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

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 20453.4				Winter As-Built Points: 20947.1									
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)						
20453.4		0.6274	12832.5	20947.1		1.000	(1.069 x 1.169 x 0.93)	0.501		1.000		12208.0	
				20947.1		1.00	1.162	0.501		1.000		12208.0	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

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	2098.0	12.74	4811.1	Double, Clear	W	1.5	6.0	120.0	10.77	1.02	1322.2
				Double, Clear	W	1.5	4.0	36.0	10.77	1.05	408.1
				Double, Clear	W	1.5	3.7	12.5	10.77	1.06	142.8
				Double, Clear	S	1.5	5.0	16.0	4.03	1.20	77.2
				Double, Clear	E	1.5	7.0	36.0	9.09	1.03	336.0
				Double, Clear	E	1.5	6.0	60.0	9.09	1.04	564.8
				Double, Clear	NE	1.5	5.5	11.3	13.40	1.01	151.9
				Double, Clear	E	1.5	2.5	12.0	9.09	1.16	126.3
				Double, Clear	N	1.5	6.0	16.5	14.30	1.00	236.6
				Double, Clear	N	1.5	2.0	4.0	14.30	1.01	58.1
				As-Built Total:				324.3			
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	288.0	3.60	1036.8	Frame, Wood, Exterior			13.0	2286.0	3.40	7772.4	
Exterior	2286.0	3.70	8458.2	Frame, Wood, Adjacent			13.0	288.0	3.30	950.4	
Base Total: 2574.0 9495.0				As-Built Total: 2574.0 8722.8							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	18.0	11.50	207.0	Exterior Wood				40.0	12.30	492.0	
Exterior	40.0	12.30	492.0	Adjacent Wood				18.0	11.50	207.0	
Base Total: 58.0 699.0				As-Built Total: 58.0 699.0							
CEILING TYPESArea X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	2098.0	2.05	4300.9	Under Attic			30.0	2098.0	2.05 X 1.00	4300.9	
Base Total: 2098.0 4300.9				As-Built Total: 2098.0 4300.9							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	268.0(p)	8.9	2385.2	Slab-On-Grade Edge Insulation			0.0	268.0(p)	18.80	5038.4	
Raised	0.0	0.00	0.0								
Base Total: 2385.2				As-Built Total: 268.0 5038.4							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2098.0 -0.59 -1237.8				2098.0 -0.59 -1237.8							

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

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 27077.0				Summer As-Built Points: 28382.5						
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
27077.0		0.4266	11551.1	28382.5	1.000	(1.090 x 1.147 x 0.91)	0.341	0.950		10469.9
				28382.5	1.00	1.138	0.341	0.950		10469.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt			Area X SPM X SOF = Points			
.18	2098.0	20.04	7567.9	Double, Clear	W	1.5	6.0	120.0	36.99	0.91	4053.8
				Double, Clear	W	1.5	4.0	36.0	36.99	0.82	1088.6
				Double, Clear	W	1.5	3.7	12.5	36.99	0.79	366.5
				Double, Clear	S	1.5	5.0	16.0	34.50	0.81	445.4
				Double, Clear	E	1.5	7.0	36.0	40.22	0.94	1358.7
				Double, Clear	E	1.5	6.0	60.0	40.22	0.91	2202.8
				Double, Clear	NE	1.5	5.5	11.3	28.72	0.91	292.6
				Double, Clear	E	1.5	2.5	12.0	40.22	0.66	320.7
				Double, Clear	N	1.5	6.0	16.5	19.22	0.94	297.7
				Double, Clear	N	1.5	2.0	4.0	19.22	0.76	58.2
				As-Built Total:			324.3			10485.0	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	288.0	0.70	201.6	Frame, Wood, Exterior	13.0			2286.0	1.50	3429.0	
Exterior	2286.0	1.70	3886.2	Frame, Wood, Adjacent	13.0			288.0	0.60	172.8	
Base Total: 2574.0 4087.8				As-Built Total:			2574.0			3601.8	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	18.0	2.40	43.2	Exterior Wood				40.0	6.10	244.0	
Exterior	40.0	6.10	244.0	Adjacent Wood				18.0	2.40	43.2	
Base Total: 58.0 287.2				As-Built Total:			58.0			287.2	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2098.0	1.73	3629.5	Under Attic	30.0			2098.0	1.73 X 1.00	3629.5	
Base Total: 2098.0 3629.5				As-Built Total:			2098.0			3629.5	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	268.0(p)	-37.0	-9916.0	Slab-On-Grade Edge Insulation	0.0			268.0(p)	-41.20	-11041.6	
Raised	0.0	0.00	0.0								
Base Total: -9916.0				As-Built Total:			268.0			-11041.6	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
	2098.0	10.21	21420.6				2098.0	10.21	21420.6		

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.3

The higher the score, the more efficient the home.

Roy and Anna Chiong, Lot: 27, Sub: Arbor Greene, Plat: , Lake City, FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 10.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2098 ft ²	___		___
7. Glass area & type		___	13. Heating systems	
a. Clear - single pane	0.0 ft ²	___	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
b. Clear - double pane	324.3 ft ²	___		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	___	b. N/A	___
d. Tint/other SHGC - double pane	0.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 268.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons
b. N/A	___	___		EF: 0.90
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 2286.0 ft ²	___	(HR-Heat recovery, Solar	___
b. Frame, Wood, Adjacent	R=13.0, 288.0 ft ²	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	CF, ___
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, 2098.0 ft ²	___	RB-Attic radiant barrier,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 130.0 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: FLRCPB v3.2)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000307

DATE 05/17/2004 PARCEL ID # 28-3S-16-02372-527
APPLICANT KATIE REED PHONE 752-4072
ADDRESS 2230 SE BAYA DRIVE LAKE CITY FL 32025
OWNER ROY & ANNA CHIONG PHONE _____
ADDRESS 222 NW HERITAGE DR. LAKE CITY FL 32055
CONTRACTOR DON REED PHONE 752-4072
LOCATION OF PROPERTY 90W, TR ON BROWN, TL ON WINDING PL, TL ON EMERALD LAKES DR.,
TR ON HERITAGE, LOT 27 ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT AR.GREENE @ EMERALD 27 1

SIGNATURE Katie Reed

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





FOUNDED 1948

CORPORATE HEADQUARTERS:

P.O. BOX 5369
116 N.W. 16TH AVENUE
GAINESVILLE, FL 32602-5369

(352) 376-2881
FAX (352) 376-2791

SCIENTIFIC PEST CONTROL DIRECTED BY GRADUATE ENTOMOLOGISTS

Complete Pest Control Service
Member Florida & National Pest Control Associations

10918

Reply to: 536 SE Baya Dr
Lake City, FL 32026
Phone (386) 752-1703 Fax (386) 752-0171

TERMITE TREATMENT CERTIFICATION

Owner:	Permit Number:
ROY CHIONG	21874
Lot:	Block:
27	
Subdivision:	Street Address:
EMERALD LAKES	222 NW HERITAGE DRIVE
City:	County:
Lake City	Columbia
General Contractor:	Area Treated:
DON REED CONSTRUCTION	EXTERIOR OF FOUNDATION
Date:	Time:
11/11/04	9:00 AM
Name of applicator:	Applicator ID Number:
ROBERT CRAWFORD	JB673
Product Used: Active Ingredient: % Concentration	Number of gallons used:
Dursban TC: Chlorpyrifos: 0.5%	
Method of termite prevention treatment: Soil Treatment	

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

This form is proof of complete treatment for Certificate of Occupancy or Closing.

THIS IS PROOF OF WARRANTY

Warranty and Treatment Certifications Have Been Issued.

Authorized Signature:	Date:
<i>Ruth Schmidt</i>	11-11-04

BRANCHES:

• Crystal River • Daytona Beach • Ft. Walton Beach • Jacksonville South • Jacksonville West • Lake City • Milton • Ocala • Orlando • Palatka • Panama City • Pensacola • Starke • St. Augustine • Tallahassee • Winter Haven • Leesburg • Kissimmee •

Notice of Treatment

Applicator Florida Pest Control & Chemical Co.

10918

Address

536 SE BAY AVE

City

LAKE CITY

Phone

752-1703

Site Location

Subdivision

Emerald Lakes

Lot#

27

Block#

Permit#

21874

Address

222 NW Heritage DR

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	<u>6/17/04</u>	<u>0830</u>	<u>508</u>	<u>F254 Gunning</u>
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

DUKSBAN TC

.05

%

Remarks

Exterior not to grade

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

GERBRANCK & COMPANY
INC.

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-16-02372-527

Building permit No. 000021874

Use Classification SFD, UTILITY

Fire: 62.37

Permit Holder DON REED

Waste: 134.75

Owner of Building ROY & ANNA CHIONG

Total: 197.12

Location: 222 NW HERITAGE DR, LAKE CITY, FL 32055

Date: 11/12/2004

Harry Dickson

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)