

DATE 04/28/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000021804

APPLICANT JACKIE NORRIS PHONE 386.758.3663
ADDRESS 351 NW CORWIN GLEN LAKE CITY FL 32055
OWNER CHRISTOPHER & BRIDGET ADAMS PHONE 386.758.3287
ADDRESS 172 SW WOODVIEW WAY LAKE CITY FL 32024
CONTRACTOR JOHN D. NORRIS PHONE 386.758.3663
LOCATION OF PROPERTY 90-W TO C-247-S TO TROY ROAD., R, GO TO RUSSWOOD TERRACE
AND IT'S TOWARDS THE END ON RIGHT.
TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 154450.00
HEATED FLOOR AREA 3089.00 TOTAL AREA 4056.00 HEIGHT 21.00 STORIES 1
FOUNDATION COC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 10-4S-16-02853-301 SUBDIVISION RUSSWOOD ESTATES
LOT 1 BLOCK PHASE UNIT 3 TOTAL ACRES .75

000000290 RG0066597
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED 04-0363-N BLK JDK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE
1 FOOT ABOVE ROAD

Check # or Cash 3049

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 \$ 775.00 CERTIFICATION FEE \$ 20.28 SURCHARGE FEE \$ 20.28
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEES \$ CULVERT FEE \$ 25.00 TOTAL FEE 890.56
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0404-55 Date Received 4-15-04 By LT Permit # 21804
 Application Approved by - Zoning Official BLK Date 27.04.04 Plans Examiner _____ Date _____
 Flood Zone X per plot Development Permit N/A Zoning RSE-2 Land Use Plan Map Category RES. Low Dens.
 Comments _____

~~need EIT~~ JACQUE NORRIS
 Applicants Name Christopher + Bridget Adams Phone 758-3663
 Address 172 SW Woodview Way Lake City, FL 32024 351 NW Corwin Glen Lake City 32055
 Owners Name Christopher + Bridget Adams Phone 758-3287
 911 Address 172 SW Woodview Way Lake City, FL 32024
 Contractors Name John Norris Phone 386-758-3663
 Address 351 NW Corwin Glen Lake City FL 32055
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address MARK DISOSWAY Box 868 Lake City
 Mortgage Lenders Name & Address _____

Property ID Number 10-45-16-02853-301 Estimated Cost of Construction 200,000.
 Subdivision Name Russwood Estates Lot 1 Block _____ Unit 3 Phase _____
 Driving Directions Highway 90 West, TL on County Road 247,
TR on Troy Road, TR on Russwood Terrace,
To end on right
 Type of Construction SSFD Number of Existing Dwellings on Property 0
 Total Acreage 3/4 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Dri
 Actual Distance of Structure from Property Lines - Front 43 Side 26 Side 26 Rear 88
 Total Building Height 21'4 Number of Stories 1 Heated Floor Area 3089 Roof Pitch 6-12
~ Sheds to be developed - need culvert

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.

Bridget Adams
Christopher Adams
 Owner Builder or Agent (Including Contractor)

Jacqueline Norris
 Contractor Signature
 Contractors License Number _____
 Competency Card Number _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

Personally known _____ or Produced Identification

NOTARY STAMP/SEAL

290

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 10-45-16-02853-301

1. Description of property: (legal description of the property and street address or 911 address)
170 SW Emily Glen
Lot 1 Unit 3 Russwood Estates, Lake City, FL
2. General description of improvement: New construction of residential home
3. Owner Name & Address Christopher + Bridget Adams
172 SW Woodview Way Interest in Property To build new home
Lake City, FL 32024
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name John Norris Phone Number 386-758-3663
Address 351 NW Corwin Glen Lake City FL 32055
6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name First Federal Savings Bank of FL Phone Number 386-755-0600
Address PO Box 2029, Lake City, FL 32056-2029
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
9. In addition to himself/herself the owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

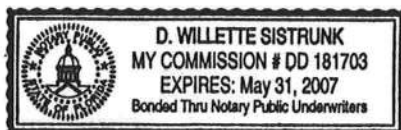
NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Sworn to (or affirmed) and subscribed before
day of 2nd April, 2004

NOTARY STAMP/SEAL

Christopher Sean Adams
Signature of Owner

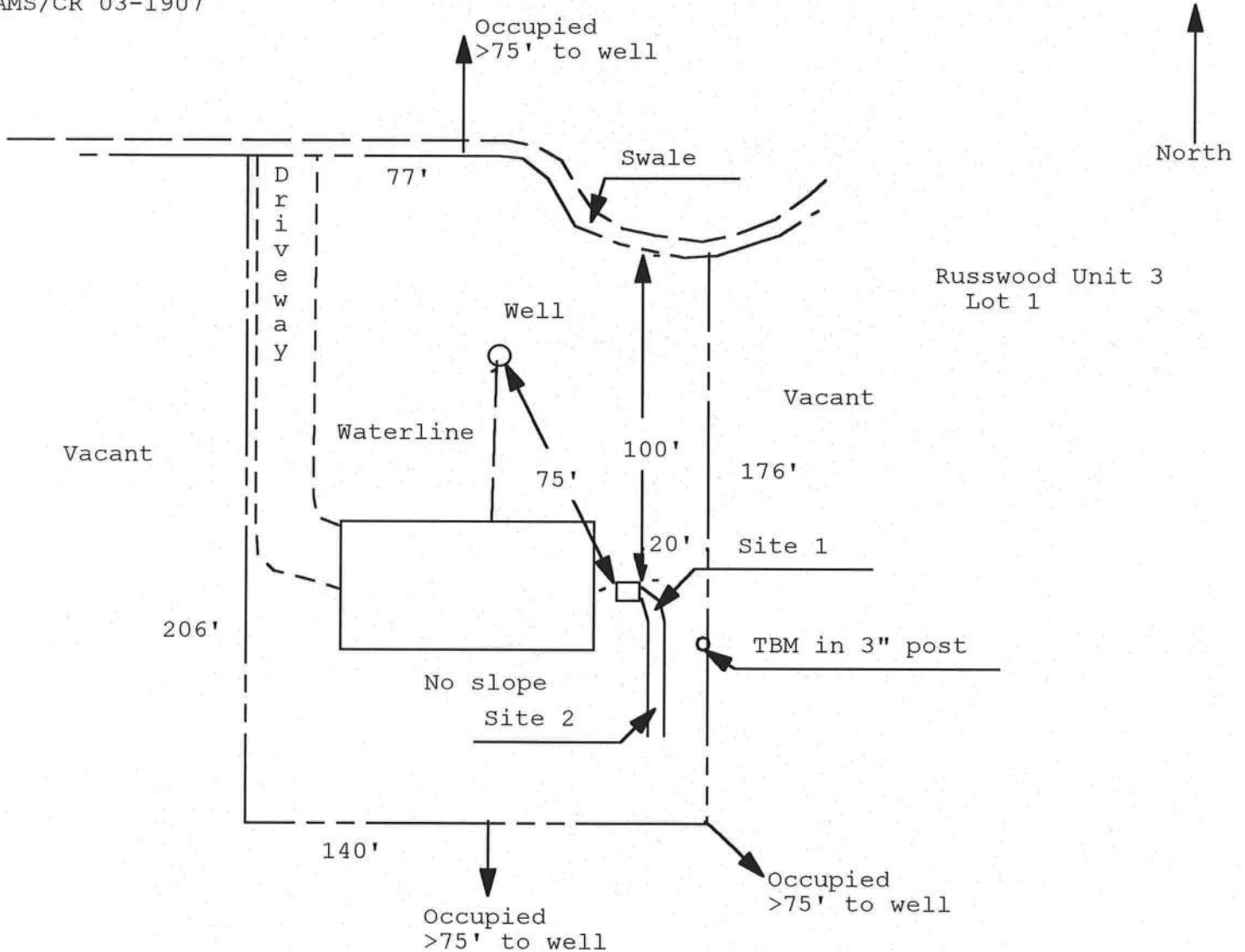


D. Willette Sistrunk

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0363N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ADAMS/CR 03-1907



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd

Date 3/25/04

Plan Approved Not Approved

Date 3/25/04

By Paul Lloyd Mr. Dr. CPHU

Notes:

3-30-04

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000290

DATE 04/28/2004 PARCEL ID # 10-4S-16-02853-301

APPLICANT JACKIE NORRIS PHONE 386.758.3663

ADDRESS 351 NW CORWIN LAKE CITY FL 32055

OWNER CHRISTOPHER & BRIDGET ADAMS PHONE 386.758.3287

ADDRESS 172 SW WOODVIEW WAY LAKE CITY FL 32024

CONTRACTOR JOHN D. NORRIS PHONE 386.758.3663

LOCATION OF PROPERTY 90-W TO C-247-S TO TROY ROAD, R, GO TO RUSSWOOD TERRACE TOWARDS THE
END AND IT'S ON THE RIGHT.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RUSSWOOD ESTATES 1 3

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 _____

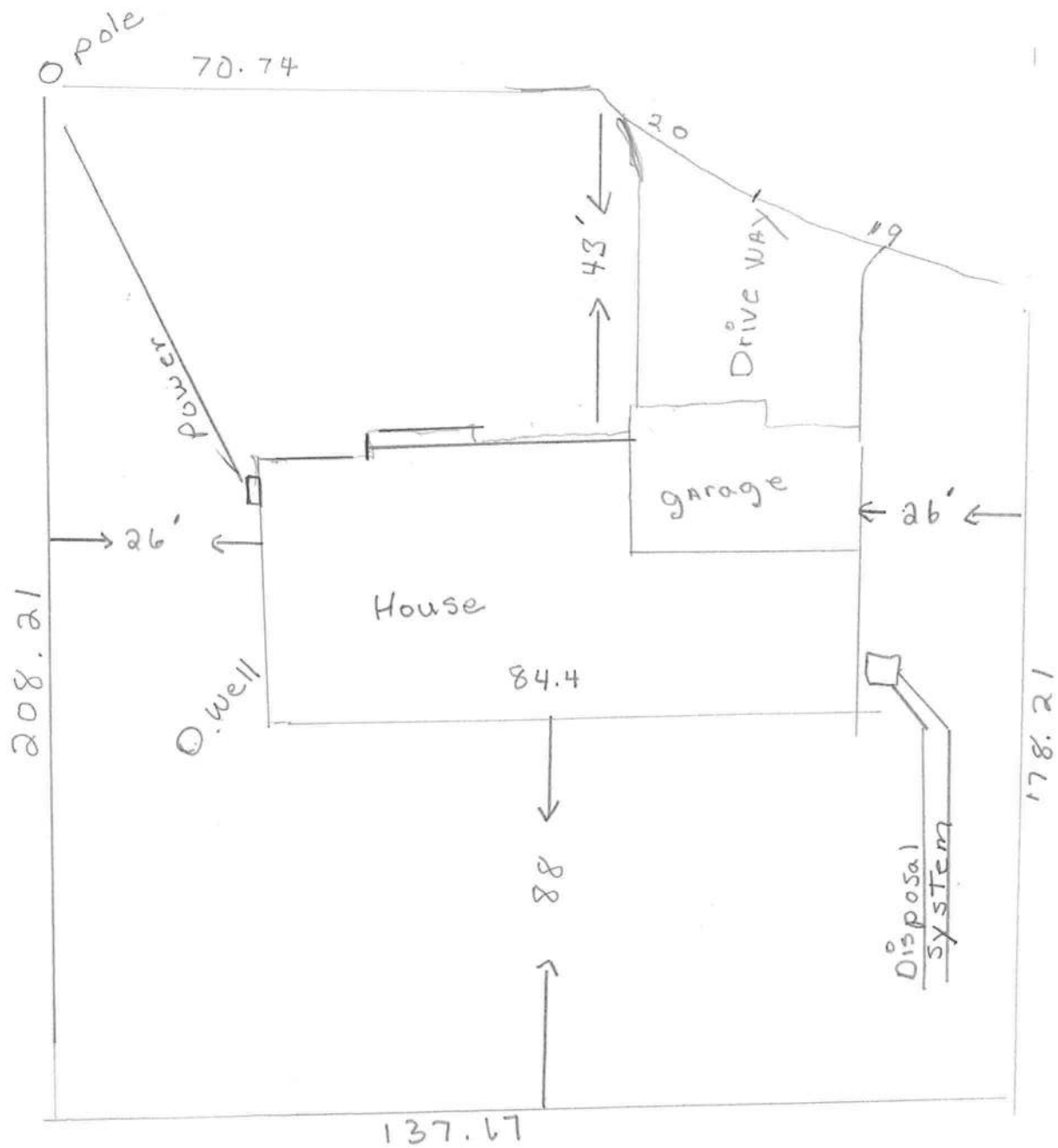
ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

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

Amount Paid 25.00



170 SW Emily GLEN



Russwood
ESTATES

unit 3 Lot 1
property ID #10-45-16-02853-301



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **402273RusswoodModel**
Address: **Lot: 1, Sub: RusswoodEstates, Plat:**
City, State: **Lake City, FL**
Owner:
Climate Zone: **North**

Builder: **JOHN NORTON**
Permitting Office: **COLUMBIA**
Permit Number:
Jurisdiction Number: **221000**

- | | | | | | |
|--|--------------------------------|-----|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 60.0 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) | 3089 ft ² | ___ | | | ___ |
| 7. Glass area & type | | ___ | 13. Heating systems | | |
| a. Clear - single pane | 0.0 ft ² | ___ | a. Electric Heat Pump | Cap: 60.0 kBtu/hr | ___ |
| b. Clear - double pane | 399.0 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 | | ___ | | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 249.2(p) ft | ___ | 14. Hot water systems | | |
| b. N/A | | ___ | a. Electric Resistance | Cap: 40.0 gallons | ___ |
| c. N/A | | ___ | | EF: 0.89 | ___ |
| 9. Wall types | | ___ | b. N/A | | ___ |
| a. Frame, Wood, Exterior | R=11.0, 1739.0 ft ² | ___ | c. Conservation credits | | ___ |
| b. Frame, Wood, Adjacent | R=11.0, 177.0 ft ² | ___ | (HR-Heat recovery, Solar | | ___ |
| c. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| d. N/A | | ___ | 15. HVAC credits | | ___ |
| e. N/A | | ___ | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| 10. Ceiling types | | ___ | HF-Whole house fan, | | ___ |
| a. Under Attic | R=30.0, 3274.0 ft ² | ___ | PT-Programmable Thermostat, | | ___ |
| b. N/A | | ___ | MZ-C-Multizone cooling, | | ___ |
| c. N/A | | ___ | MZ-H-Multizone heating) | | ___ |
| 11. Ducts | | ___ | | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Garage | Sup. R=6.0, 280.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.13

Total as-built points: 42173

Total base points: 42429

PASS

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

PREPARED BY: Evan Beamsley

DATE: 9/10/04

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: 1, Sub: RusswoodEstates, Plat: , Lake City, FL,

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	3089.0	20.04	11142.6	Double, Clear	E	1.5 6.5	16.0	40.22	0.93	596.3
				Double, Clear	E	1.5 7.5	56.0	40.22	0.95	2136.7
				Double, Clear	N	1.5 9.5	10.0	19.22	0.98	188.1
				Double, Clear	E	1.5 7.5	93.4	40.22	0.95	3563.7
				Double, Clear	E	1.5 6.8	8.7	40.22	0.93	327.1
				Double, Clear	S	1.5 5.5	30.0	34.50	0.83	861.3
				Double, Clear	W	1.5 5.8	26.7	36.99	0.91	896.9
				Double, Clear	W	1.5 7.5	37.3	36.99	0.95	1309.4
				Double, Clear	W	14.2 9.5	21.4	36.99	0.45	356.0
				Double, Clear	W	14.2 1.3	7.5	36.99	0.37	103.9
				Double, Clear	W	9.2 7.5	56.0	36.99	0.48	996.5
				Double, Clear	N	1.5 3.5	6.0	19.22	0.86	99.1
				Double, Clear	N	1.5 5.5	30.0	19.22	0.93	535.2
				As-Built Total:				399.0		11970.1
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Adjacent	177.0	0.70	123.9	Frame, Wood, Exterior	11.0		1739.0	1.70	2956.3	
Exterior	1739.0	1.70	2956.3	Frame, Wood, Adjacent	11.0		177.0	0.70	123.9	
Base Total:				As-Built Total:				1916.0		3080.2
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM =	Points	
Adjacent	20.0	2.40	48.0	Exterior Insulated			10.0	4.10	41.0	
Exterior	30.0	6.10	183.0	Exterior Insulated			20.0	4.10	82.0	
				Adjacent Insulated			20.0	1.60	32.0	
Base Total:				As-Built Total:				50.0		155.0
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM =	Points	
Under Attic	3089.0	1.73	5344.0	Under Attic	30.0		3274.0	1.73 X 1.00	5664.0	
Base Total:				As-Built Total:				3274.0		5664.0
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Slab	249.2(p)	-37.0	-9220.4	Slab-On-Grade Edge Insulation	0.0		249.2(p)	-41.20	-10267.0	
Raised	0.0	0.00	0.0							
Base Total:				As-Built Total:				249.2		-10267.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: RusswoodEstates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
3089.0 10.21 31538.7				3089.0 10.21 31538.7					
Summer Base Points: 42116.1				Summer As-Built Points: 42140.9					
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
42116.1		0.4266	17966.7	42140.9	1.000	1.000	(1.090 x 1.147 x 1.00)	0.341	1.000 17981.7
				42140.9	1.00	1.250	0.341	1.000	17981.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: RusswoodEstates, 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	3089.0	12.74	7083.7	Double, Clear	E	1.5	6.5	16.0	9.09	1.03	149.9				
				Double, Clear	E	1.5	7.5	56.0	9.09	1.02	520.8				
				Double, Clear	N	1.5	9.5	10.0	14.30	1.00	143.1				
				Double, Clear	E	1.5	7.5	93.4	9.09	1.02	868.6				
				Double, Clear	E	1.5	6.8	8.7	9.09	1.03	81.3				
				Double, Clear	S	1.5	5.5	30.0	4.03	1.15	138.7				
				Double, Clear	W	1.5	5.8	26.7	10.77	1.02	294.6				
				Double, Clear	W	1.5	7.5	37.3	10.77	1.01	407.0				
				Double, Clear	W	14.2	9.5	21.4	10.77	1.20	277.3				
				Double, Clear	W	14.2	1.3	7.5	10.77	1.24	99.9				
				Double, Clear	W	9.2	7.5	56.0	10.77	1.19	716.9				
				Double, Clear	N	1.5	3.5	6.0	14.30	1.01	86.5				
				Double, Clear	N	1.5	5.5	30.0	14.30	1.00	430.4				
				As-Built Total:								399.0		4215.0	
				WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	177.0	3.60	637.2	Frame, Wood, Exterior			11.0	1739.0	3.70		6434.3				
Exterior	1739.0	3.70	6434.3	Frame, Wood, Adjacent			11.0	177.0	3.60		637.2				
Base Total:		1916.0	7071.5	As-Built Total:				1916.0	7071.5						
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points											
Adjacent	20.0	11.50	230.0	Exterior Insulated				10.0	8.40		84.0				
Exterior	30.0	12.30	369.0	Exterior Insulated				20.0	8.40		168.0				
				Adjacent Insulated				20.0	8.00		160.0				
Base Total:		50.0	599.0	As-Built Total:				50.0	412.0						
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points											
Under Attic	3089.0	2.05	6332.4	Under Attic			30.0	3274.0	2.05 X 1.00		6711.7				
Base Total:		3089.0	6332.4	As-Built Total:				3274.0	6711.7						
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points											
Slab	249.2(p)	8.9	2217.9	Slab-On-Grade Edge Insulation			0.0	249.2(p)	18.80		4685.0				
Raised	0.0	0.00	0.0												
Base Total:			2217.9	As-Built Total:				249.2	4685.0						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: RusswoodEstates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
3089.0 -0.59 -1822.5				3089.0 -0.59 -1822.5					
Winter Base Points: 21482.0				Winter As-Built Points: 21272.6					
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)					
21482.0 0.6274 13477.8				21272.6 1.000 (1.069 x 1.169 x 1.00) 0.501 1.000 13330.9 21272.6 1.00 1.250 0.501 1.000 13330.9					

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: RusswoodEstates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						= 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	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			Hot Water				Hot Water
			Points				Points
			=				=
			Total				Total
			Points				Points
17967		13478	10984	42429	17982	13331	10861
							42173

PASS

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.6

The higher the score, the more efficient the home.

, Lot: 1, Sub: Russwood Estates, 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: 60.0 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)	3089 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 60.0 kBtu/hr
b. Clear - double pane	399.0 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, 249.2(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, 1739.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=11.0, 177.0 ft ²	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, 3274.0 ft ²	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, 280.0 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)

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Russwood Estates, 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.	

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 10897

Address 536 SE BAY AVE

City L.C. Phone 752-1703

Site Location Subdivision Russwood Pst

Lot# 1 Block# Permit# 21804

Address 170 SW Emily Gl

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
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				
<u>BLK CELLS</u>	<u>6/17/04</u>	<u>12:30</u>	<u>136</u>	<u>DURSBAU TC</u>
(Other)				

Name of Product Applied DURSBAU TC 105 %

Remarks exterior not to grade



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

May 27, 2004

John Johnson
Rt. 21, Box 970
Lake City, Florida 32024

Reference: Proposed Residence
Russwood Estates, Unit 3, Lot 1
Columbia County, Florida
Cal-Tech Project No. 04-273

21804

Dear Mr. Johnson,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of lot 1 of unit 3 of Russwood Estates in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home constructed on the lot and to provide recommendations for selecting a finished floor elevation.

Based upon the U.S.G.S. "Lake Cite West" quadrangle map, the roadway adjacent the lot has a centerline elevation of approximately 99.0 feet. Using this elevation as a reference, the finished floor elevation is approximately 99.5 feet. This finished floor elevation places the floor generally about 1 to 2 feet above the existing surface grade at the perimeter of the residence.

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

Based upon topography provided by the "Lake City West" quadrangle map, flooding to an elevation of approximately 99.5 feet would simultaneously require the flooding of roughly 500 to 600 acres generally to the south of the building site. Additionally, the depth of flood water would be 20 or more feet in some areas. Flooding to this extent is highly unlikely; therefore, it is our opinion elevating the floor of the residence to 12 inches above the adjacent roadway will not be necessary to substantially reduce the likelihood of flooding.

We recommend that you maintain the finished floor elevation of approximately 6 inches above the adjacent roadway and 1 to 2 feet above the adjacent surface grade.

**Columbia County Building Department
Culvert Waiver**

Culvert Waiver No.

000000 290

DATE: 09-03-04

Z1804

APPLICANT John Johnson

PHONE 755-4038

ADDRESS 172 SW Woodview Way Lake City FL 32055

OWNER Christopher & Bridget Adams

PHONE 758-3287

ADDRESS 172 SW Woodview Way Lake City FL 32055

CONTRACTOR John Norris

PHONE 758-3663

LOCATION OF PROPERTY 90W, L 247, R Troy Rd, to Russwood Terrace
and it's towards the end on the right

SUBDIVISION/LOT/BLOCK/PHASE/UNIT Russwood Estates U-3 Lot 1

PARCEL ID # 10-45-16-02853-301

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

SIGNATURE: _____

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Driveway Already installed

SIGNED: John Johnson

DATE: 9-3-04

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

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

COLUMBIA COUNTY

SEP 03 2004

PUBLIC WORKS DEPT.



FILE COPY

Columbia County Building Department
Culvert Waiver

Culvert Waiver No.

21804

000000 290

DATE: 09-03-04

APPLICANT John Johnson PHONE 755-4038

ADDRESS 172 SW Woodview Way Lake City FL 32055

OWNER Christopher & Bridget Adams PHONE 758-3287

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LOCATION OF PROPERTY 90W, L 247, R Troy Rd, to Russwood Terrace
and it's towards the end on the right

SUBDIVISION/LOT/BLOCK/PHASE/UNIT Russwood Estates U-3 Lot 1

PARCEL ID # 10-45-16-02853-301

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

SIGNATURE: _____

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

Contractor Did Not Wait For Waiver
Went Ahead and Poured New Driveway - No P.P. Needed

SIGNED:

John Johnson
K. Smith

DATE:

9-3-04

091704

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

COLUMBIA COUNTY

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

SEP 03 2004

PUBLIC WORKS DEPT.



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 10-4S-16-02853-301

Building permit No. 000021804

Use Classification SFD & UTILITY

Fire: 68.00

Permit Holder JOHN D. NORRIS

Waste: 147.00

Owner of Building CHRISTOPHER & BRIDGET ADAMS

Total: 215.00

Location: 172 SW WOODVIEW WAY (RUSSWOOD ESTATES, LOT 1)

Date: 10/20/2004



Tony Decker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)