

DATE 07/13/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023378

APPLICANT GARY MARTIN PHONE 386 984-6868
ADDRESS P.O. BOX 3178 LAKE CITY FL 32056
OWNER TIMOTHY CARRENDER PHONE 867-5633
ADDRESS 283 SW INWOOD COURT LAKE CITY FL 32025
CONTRACTOR BEN MARTIN PHONE 397-4534

LOCATION OF PROPERTY SISTERS WELCOME RD, TR ON CREEKSIDE LANE, TR ON INWOOD,
8TH LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILIY ESTIMATED COST OF CONSTRUCTION 87550.00

HEATED FLOOR AREA 1751.00 TOTAL AREA 2322.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 20

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO. _____

PARCEL ID 12-4S-16-02939-140 SUBDIVISION CREEKSIDE

LOT 40 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES _____

000000738 25.00 CBC059077
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 05-0709-N BK Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PLAT REQUIRES, 1ST FLOOR ELEVATION TO BE A MIN. OF 132, ELEVATION
LETTER REQUIRED BEFORE SLAB

Check # or Cash 1545

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 \$ 440.00 CERTIFICATION FEE \$ 11.61 SURCHARGE FEE \$ 11.61

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

FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ 25.00 TOTAL FEE 538.22

INSPECTORS OFFICE Alan Tedder CLERKS OFFICE CH

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.

For Office Use Only Application # 0506-87 Date Received 6/29/05 By G Permit # 738/23378
Application Approved by - Zoning Official BLK Date 08.07.05 Plans Examiner JKTH Date 7-5-05
Flood Zone Xprplur Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Lr. Dev.
Comments Plat Requires 1st Floor Elevation to be a minimum of 132.00' 1st Floor Elevation Letter Required EH / NOC

Applicants Name Gary Martin Phone 386-984-6868
Address PO Box 5178 Lake City FL 32056
Owners Name Timothy Carrender Phone 386-867-5633
911 Address 283 SW INWOOD CT Lake City FL 32025
Contractors Name Ben Martin Phone 386-392-4534
Address PO Box 1831 Lake City FL 32056
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Mark Diserway P.E. PO Box 868 Lake City FL
Mortgage Lenders Name & Address First Federal Savings Bank PO Box 2028 Lake City FL 32056
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 12-45-16-02939-140 Estimated Cost of Construction 100,000
Subdivision Name Creekside Lot 40 Block _____ Unit _____ Phase _____
Driving Directions South on Sisters Welcome from US90 turn right into Creekside, turn right on Inwood CT Lot #40 is on the right. Creekside Lane 8th on right
Type of Construction SAD Number of Existing Dwellings on Property 0
Total Acreage 1 Lot Size 1 acre Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 40 Side 30 Side 30 Rear 40
Total Building Height 20' Number of Stories 1 Heated Floor Area 1751 Roof Pitch 7/12
GARAGE 410 PORCHES 162 TOTAL 2322

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 _____



Contractor Signature Ben Martin
Contractors License Number CBC059077
Competency Card Number _____
NOTARY STAMP/SEAL

Notary Signature Elizabeth A Carrender

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	506183EvanISpecHouseLot#40Creekside	Builder:	Martin Home Builders
Address:	Lot: 40, Sub: Creekside, Plat:	Permitting Office:	
City, State:	Lake City, FL	Permit Number:	23378
Owner:	Spec house	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: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1751 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 251.0 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		HSPF: 7.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 182.0(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.93
a. Frame, Wood, Exterior	R=13.0, 1151.0 ft²	b. N/A	
b. Frame, Wood, Adjacent	R=13.0, 214.0 ft²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1845.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 ft		
b. N/A			

Glass/Floor Area: 0.14 Total as-built points: 26673 PASS
Total base points: 26750

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: 6/27/05

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: 40, Sub: Creekside, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	1751.0	20.04	6316.2	Double, Clear	E	1.5	6.5	60.0	42.06	0.93	2338.4
				Double, Clear	E	1.5	7.5	36.0	42.06	0.95	1436.4
				Double, Clear	S	15.8	8.5	20.0	35.87	0.45	326.2
				Double, Clear	E	10.5	7.5	54.0	42.06	0.45	1010.8
				Double, Clear	S	1.5	6.5	15.0	35.87	0.88	471.7
				Double, Clear	S	1.5	3.0	6.0	35.87	0.66	142.0
				Double, Clear	W	1.5	5.0	9.0	38.52	0.88	303.6
				Double, Clear	W	1.5	7.5	36.0	38.52	0.95	1316.3
				Double, Clear	N	1.5	6.5	15.0	19.20	0.95	272.9
				As-Built Total: 251.0 7618.2							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	214.0	0.70	149.8	Frame, Wood, Exterior			13.0	1151.0	1.50		1726.5
Exterior	1151.0	1.70	1956.7	Frame, Wood, Adjacent			13.0	214.0	0.60		128.4
Base Total: 1365.0 2106.5				As-Built Total: 1365.0 1854.9							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	2.40	48.0	Exterior Insulated				20.0	4.10		82.0
Exterior	40.0	6.10	244.0	Exterior Insulated				20.0	4.10		82.0
				Adjacent Insulated				20.0	1.60		32.0
Base Total: 60.0 292.0				As-Built Total: 60.0 196.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1751.0	1.73	3029.2	Under Attic			30.0	1845.0	1.73 X 1.00		3191.9
Base Total: 1751.0 3029.2				As-Built Total: 1845.0 3191.9							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	182.0(p)	-37.0	-6734.0	Slab-On-Grade Edge Insulation			0.0	182.0(p)	-41.20		-7498.4
Raised	0.0	0.00	0.0								
Base Total: -6734.0				As-Built Total: 182.0 -7498.4							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1751.0	10.21	17877.7					1751.0	10.21		17877.7

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 40, Sub: Creekside, Plat: , Lake City, FL,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points: 22887.6					Summer As-Built Points: 23240.3										
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)										
22887.6		0.4266		9763.9	23240.3		1.000		(1.090 x 1.147 x 1.00)		0.310		1.000		9015.2
					23240.3		1.00		1.250		0.310		1.000		9015.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 40, Sub: Creekside, 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	1751.0	12.74	4015.4	Double, Clear	E	1.5	6.5	60.0	18.79	1.03	1162.2
				Double, Clear	E	1.5	7.5	36.0	18.79	1.02	692.1
				Double, Clear	S	15.8	8.5	20.0	13.30	3.48	924.6
				Double, Clear	E	10.5	7.5	54.0	18.79	1.37	1393.4
				Double, Clear	S	1.5	6.5	15.0	13.30	1.09	218.2
				Double, Clear	S	1.5	3.0	6.0	13.30	1.64	130.8
				Double, Clear	W	1.5	5.0	9.0	20.73	1.03	193.0
				Double, Clear	W	1.5	7.5	36.0	20.73	1.01	756.4
				Double, Clear	N	1.5	6.5	15.0	24.58	1.00	369.4
				As-Built Total:							251.0
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	214.0	3.60	770.4	Frame, Wood, Exterior	13.0		1151.0	3.40	3913.4		
Exterior	1151.0	3.70	4258.7	Frame, Wood, Adjacent	13.0		214.0	3.30	706.2		
Base Total:		1365.0	5029.1	As-Built Total:		1365.0		4619.6			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	Exterior Insulated			20.0	8.40	168.0		
Exterior	40.0	12.30	492.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total:		60.0	722.0	As-Built Total:		60.0		496.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1751.0	2.05	3589.5	Under Attic	30.0		1845.0	2.05 X 1.00	3782.3		
Base Total:		1751.0	3589.5	As-Built Total:		1845.0		3782.3			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	182.0(p)	8.9	1619.8	Slab-On-Grade Edge Insulation	0.0	182.0(p)	18.80	3421.6			
Raised	0.0	0.00	0.0								
Base Total:		1619.8	As-Built Total:		182.0		3421.6				
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
		1751.0	-0.59					1751.0	-0.59	-1033.1	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 40, Sub: Creekside, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		13942.8		Winter As-Built Points:						17126.4	
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
13942.8		0.6274	8747.7	17126.4		1.000	(1.069 x 1.169 x 1.00)	0.461	1.000	9862.4	
				17126.4		1.00	1.250	0.461	1.000	9862.4	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 40, Sub: Creekside, 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
3		2746.00	8238.0	40.0	0.93	3		1.00	2598.37
									1.00
									7795.1
				As-Built Total:					7795.1

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			Hot Water				Hot Water
			Points				Points
			=				=
			Total				Total
			Points				Points
9764		8748	8238	9015		9862	7795
			26750				26673

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 40, Sub: Creekside, 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.	

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.5

The higher the score, the more efficient the home.

Spec house, Lot: 40, Sub: Creekside, Plat: , Lake City, FL,

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 3
5. Is this a worst case? Yes
6. Conditioned floor area (ft²) 1751 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 251.0 ft²
b. Default tint, default U-factor 0.0 ft² 0.0 ft²
c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 182.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 1151.0 ft²
b. Frame, Wood, Adjacent R=13.0, 214.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 1845.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 170.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 36.0 kBtu/hr SEER: 11.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 36.0 kBtu/hr HSPF: 7.40
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 40.0 gallons EF: 0.93
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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

Builder Signature: Date:

Address of New Home: City/FL Zip:



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs Energy Gauge (Version: FLR2PB v3.4)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000738**

DATE 07/13/2005 PARCEL ID # 12-4S-16-02939-140

APPLICANT GARY MARTIN PHONE 386 984-6868

ADDRESS P.O. BOX 3178 LAKE CITY FL 32056

OWNER TIMOTHY CARRENDER PHONE 867-5633

ADDRESS 283 SW INWOOD COURT LAKE CITY FL 32025

CONTRACTOR BEN MARTIN PHONE 867-5633

LOCATION OF PROPERTY SISTERS WELCOME RD, TR CREEKSIDE LANE, TR ON INWOOD COURT

8TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CREEKSIDE 40

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

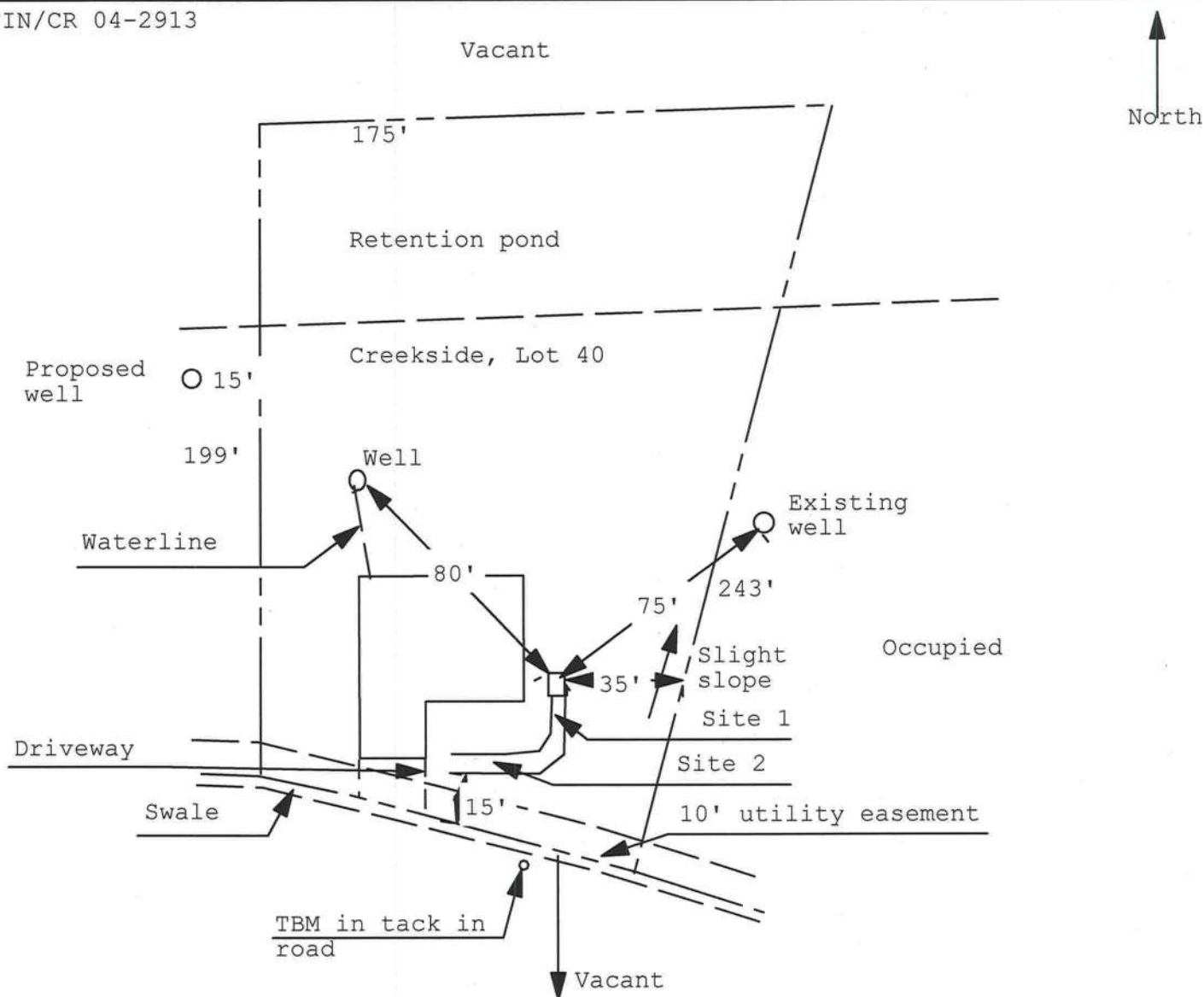


UC# 1545

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 05-0709N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MARTIN/CR 04-2913



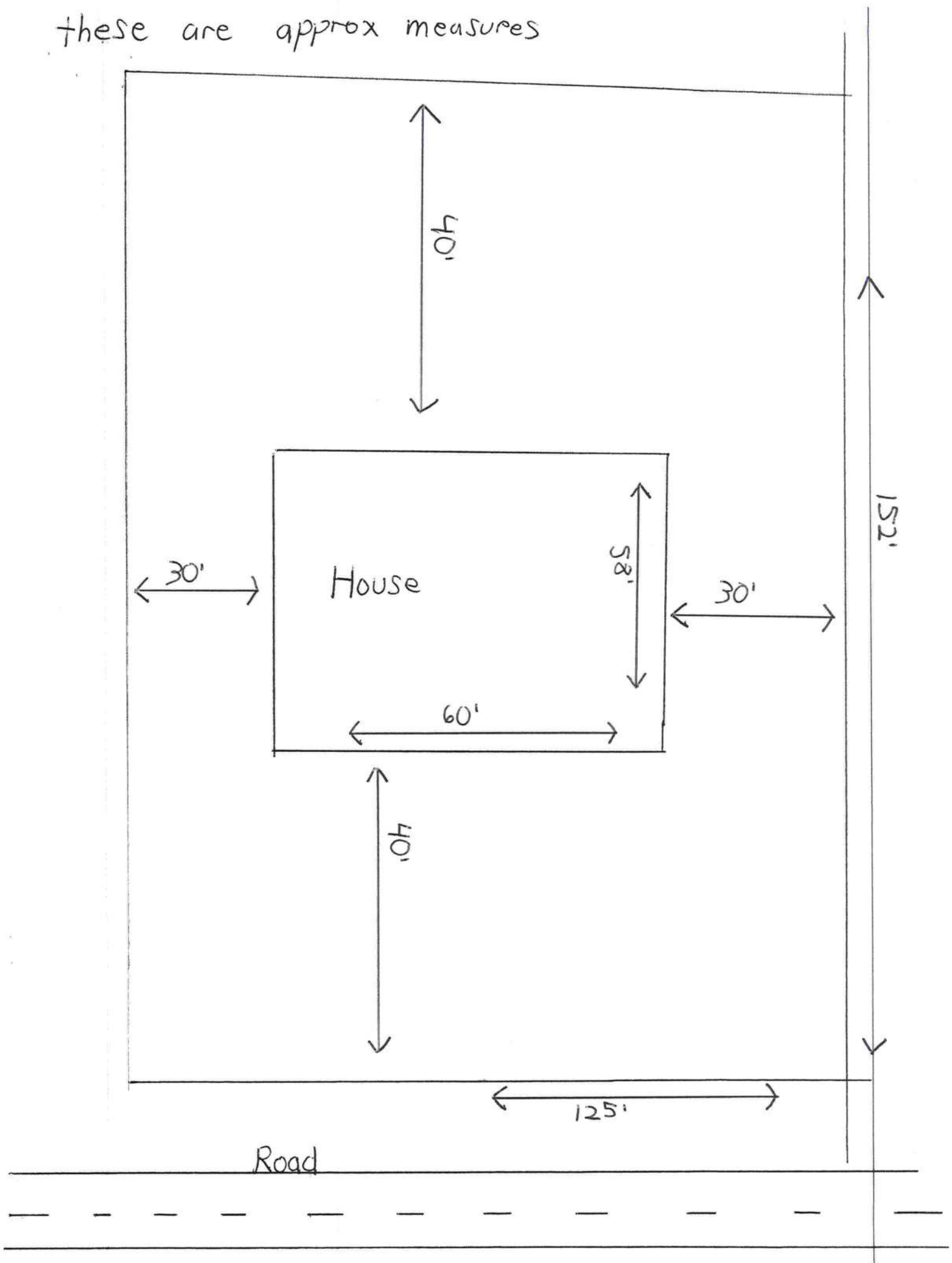
1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 6/27/05
Plan Approved ☒ Not Approved ☐ Date 7-1-05

By Mr. [Signature] Columbia CPHU

Notes: _____

these are approx measures



Residential System Sizing Calculation

Summary

Spec house

Lake City, FL

Project Title:
506183EvanISpecHouseLot#40Creekside

Class 3 Rating
Registration No. 0
Climate: North

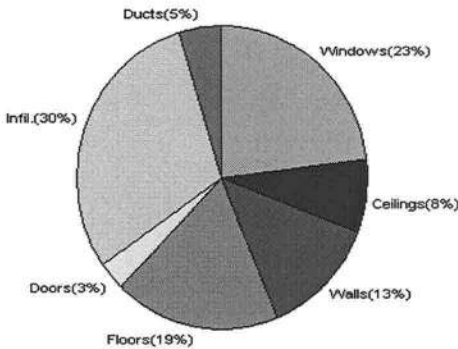
6/27/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	30573 Btuh	Total cooling load calculation	29041 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.8 36000	Sensible (SHR = 0.75)	126.9 27000
Heat Pump + Auxiliary(0.0kW)	117.8 36000	Latent	115.8 9000
		Total (Electric Heat Pump)	124.0 36000

WINTER CALCULATIONS

Winter Heating Load (for 1751 sqft)

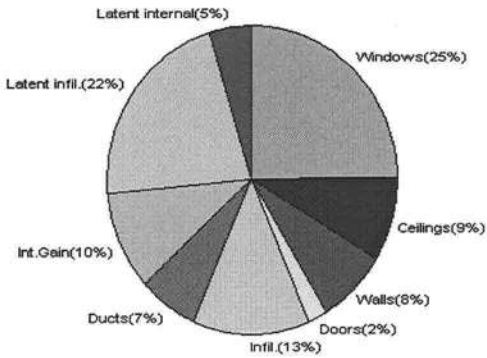
Load component		Load	
Window total	251 sqft	7103	Btuh
Wall total	1365 sqft	3911	Btuh
Door total	60 sqft	921	Btuh
Ceiling total	1845 sqft	2399	Btuh
Floor total	182 ft	5751	Btuh
Infiltration	211 cfm	9032	Btuh
Subtotal		29117	Btuh
Duct loss		1456	Btuh
TOTAL HEAT LOSS		30573	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1751 sqft)

Load component		Load	
Window total	251 sqft	7237	Btuh
Wall total	1365 sqft	2225	Btuh
Door total	60 sqft	608	Btuh
Ceiling total	1845 sqft	2620	Btuh
Floor total		0	Btuh
Infiltration	184 cfm	3648	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		19338	Btuh
Duct gain		1934	Btuh
Total sensible gain		21272	Btuh
Latent gain(infiltration)		6389	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		7769	Btuh
TOTAL HEAT GAIN		29041	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE:

6/27/05

System Sizing Calculations - Winter

Residential Load - Component Details

Spec house

Project Title:

Class 3 Rating

Lake City, FL

506183EvanISpecHouseLot#40Creekside

Registration No. 0

Climate: North

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

6/27/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
2	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
3	2, Clear, Metal, DEF	E	20.0	28.3	566 Btuh
4	2, Clear, Metal, DEF	N	54.0	28.3	1528 Btuh
5	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
6	2, Clear, Metal, DEF	E	6.0	28.3	170 Btuh
7	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
8	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
9	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
Window Total			251		7103 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1151	3.1	3568 Btuh
2	Frame - Adjacent	13.0	214	1.6	342 Btuh
Wall Total			1365		3911 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Exter		20	18.3	367 Btuh
3	Insulated - Adjac		20	9.4	188 Btuh
Door Total			60		921Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1845	1.3	2398 Btuh
Ceiling Total			1845		2399Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	182.0 ft(p)	31.6	5751 Btuh
Floor Total			182		5751 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	15759(sqft)	211	9032 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				211	9032 Btuh

Totals for Heating	Subtotal	29117 Btuh
	Duct Loss(using duct multiplier of 0.05)	1456 Btuh
	Total Btuh Loss	30573 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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

EnergyGauge® FLR2PB v3.4

System Sizing Calculations - Summer

Residential Load - Component Details

Spec house

Project Title:

Class 3 Rating

506183EvanISpecHouseLot#40Creekside

Registration No. 0

Lake City, FL

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

6/27/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	6.5	60.0	0.0	60.0	22	22	1320	Btuh
2	2, Clear, DEF, N, N	N	1.5	7.5	36.0	0.0	36.0	22	22	792	Btuh
3	2, Clear, DEF, N, N	E	15.8	8.5	20.0	20.0	0.0	22	72	440	Btuh
4	2, Clear, DEF, N, N	N	10.5	7.5	54.0	0.0	54.0	22	22	1188	Btuh
5	2, Clear, DEF, N, N	E	1.5	6.5	15.0	0.0	15.0	22	72	1080	Btuh
6	2, Clear, DEF, N, N	E	1.5	3	6.0	1.7	4.3	22	72	347	Btuh
7	2, Clear, DEF, N, N	S	1.5	5	9.0	9.0	0.0	22	37	198	Btuh
8	2, Clear, DEF, N, N	S	1.5	7.5	36.0	36.0	0.0	22	37	792	Btuh
9	2, Clear, DEF, N, N	W	1.5	6.5	15.0	0.0	15.0	22	72	1080	Btuh
	Window Total				251					7237 Btuh	
Walls	Type	R-Value			Area			HTM		Load	
1	Frame - Exterior	13.0			1151.0			1.7		2003 Btuh	
2	Frame - Adjacent	13.0			214.0			1.0		223 Btuh	
	Wall Total				1365.0					2225 Btuh	
Doors	Type				Area			HTM		Load	
1	Insulated - Exter				20.0			10.1		203 Btuh	
2	Insulated - Exter				20.0			10.1		203 Btuh	
3	Insulated - Adjac				20.0			10.1		203 Btuh	
	Door Total				60.0					608 Btuh	
Ceilings	Type/Color	R-Value			Area			HTM		Load	
1	Under Attic/Dark	30.0			1845.0			1.4		2620 Btuh	
	Ceiling Total				1845.0					2620 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab-On-Grade Edge Insulation	0.0			182.0 ft(p)			0.0		0 Btuh	
	Floor Total				182.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.70			15759			184.2		3648 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							184		3648 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 300 +			1200		3000 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec house
Lake City, FL

Project Title:
506183EvanISpecHouseLot#40Creekside

Class 3 Rating
Registration No. 0
Climate: North

6/27/2005

Totals for Cooling	Subtotal	19338 Btuh
	Duct gain(using duct multiplier of 0.10)	1934 Btuh
	Total sensible gain	21272 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6389 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	29041 Btuh

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

Columbia County Property Appraiser

DB Last Updated: 6/2/2005

Parcel: 12-4S-16-02939-140

2005 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	CARRENDER TIMOTHY JAMES
Site Address	CREEKSIDE S/D
Mailing Address	701 STONERIDGE DR LAKE CITY, FL 32025
Brief Legal	LOT 40 CREEKSIDE S/D. WD 1043-1112.

Use Desc. (code)	VACANT (000000)
Neighborhood	12416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.720 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$21,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$21,000.00

Just Value	\$21,000.00
Class Value	\$0.00
Assessed Value	\$21,000.00
Exempt Value	\$0.00
Total Taxable Value	\$21,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
4/13/2005	1043/1112	WD	V	Q		\$65,800.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.720AC)	1.00/1.00/1.00/1.00	\$21,000.00	\$21,000.00

Columbia County Property Appraiser

DB Last Updated: 6/2/2005

1 of 1

Disclaimer

This information was derived from data which was compiled by the Columbia County Property Appraiser's Office solely for the government purpose of property assessment. The information shown is a **work in progress** and should not be

http://appraiser.columbiacountyfla.com/GIS/D_SearchResults.asp

7/8/2005

New Construction Subterranean Termite Soil Treatment RecordOMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: **Aspen Pest Control, Inc.**
Company Address: **301 NW Cole Terrace** City **Lake City** State **FL** Zip **32055**
Company Business License No. **JB109476** Company Phone No. **386-755-3611**
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Bun Martin Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 238 NW Inwood Ct.
Lake City FL
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other Deck
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 9-28-05
Brand Name of Product(s) Used Surround
EPA Registration No. 70401-7-53883
Approximate Final Mix Solution % 0.5%
Approximate Size of Treatment Area: Sq. ft. 2322 Linear ft. 212 Linear ft. of Masonry Voids 212
Approximate Total Gallons of Solution Applied 624
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) **JF104376**

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature

Steve Brannon

Date

9-28-05

23378
23379

TALL STEM WALL TABLE

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEM WALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEM WALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEM WALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

Britts is working on letter.

984-6868 Gary

Randy, the top of block is Aprx 6" above the required height.

Inst:2005022886 Date:09/15/2005 Time:15:14

DC, P. DeWitt Cason, Columbia County B:1058 P:173

THIS INSTRUMENT PREPARED BY
& RETURN TO:

Columbia County Bank
Lisa Potts
173 NW Hillsboro Street
Lake City, FL 32055

REC: \$

Permit # 23378

NOTICE OF COMMENCEMENT

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 # 40 Creek Side Subdivision
2. General Description of Improvements: 2,493 square foot single family residence
3. Owner Information: Cypress Homes and Land, LLC.
400 SW Ainsley Glen
Lake City, FL 32024

Owner's Interest in Property: Fee Simple

4. Contractor: Martin Homes
P.O. Box 1831
Lake City, FL 32056
5. Lender: Columbia County Bank
173 NW Hillsboro Street
Lake City, FL 32055

6. Additional 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:

7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

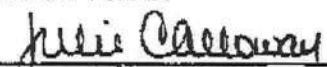
Cypress Homes and Land, LLC.


Timothy J. Carrender, President

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 9 day of August, 2005 by
Timothy J. Carrender as President of Cypress Homes and Land, LLC.

NOTARY PUBLIC


Name: Julie Calloway



Julie Calloway
My Commission DD236421
Expires January 23, 2008



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors
and Mappers

23378

03/10/06

L-17186

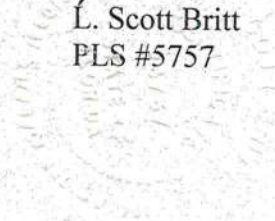
To Whom It May Concern:

C/o: Gary Martin

Re: Lot 40 Creekside

The elevation of the foundation is found to be 137.72 feet. The proposed floor elevation is shown to be 132.00 feet on the plat of record. The highest adjacent grade is 136.23 feet and the lowest adjacent grade is 134.73 feet. Elevations are based on NGVD29 datum.

L. Scott Britt
PLS #5757



THIS INSTRUMENT PREPARED BY
& RETURN TO:
Columbia County Bank
Lisa Potts
173 NW Hillsboro Street
Lake City, FL 32055
REC: \$

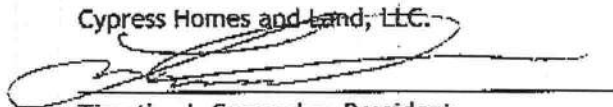
Permit # 23378

NOTICE OF COMMENCEMENT

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 # 40 Creek Side Subdivision
2. General Description of Improvements: 2,493 square foot single family residence
3. Owner Information: Cypress Homes and Land, LLC.
400 SW Ainsley Glen
Lake City, FL 32024
- Owner's Interest in Property: Fee Simple
4. Contractor: Martin Homes
P.O.Box 1831
Lake City, FL 32056
5. Lender: Columbia County Bank
173 NW Hillsboro Street
Lake City, FL 32055
6. Additional 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:
7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

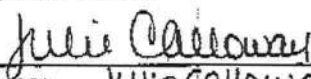
Cypress Homes and Land, LLC.


Timothy J. Carrender, President

STATE OF FLORIDA}
COUNTY OF Columbia}

The foregoing instrument was acknowledged before me this 9 day of August, 2005 by
Timothy J. Carrender as President of Cypress Homes and Land, LLC.

NOTARY PUBLIC


Name: Julie Calloway



Julie Calloway
My Commission DD235421
Expires January 23, 2006