

DATE 04/21/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000021762

APPLICANT LAVONE COX PHONE 755-7200
ADDRESS 456 SE ERMINE AVE., STE 101 LAKE CITY FL 32025
OWNER VITALY TONKACH PHONE 816 243-3625
ADDRESS 164 NW BATTLE HILL LANE LAKE CITY FL 32055
CONTRACTOR JAMES COX PHONE _____
LOCATION OF PROPERTY 90W, TR ON TURNER ROAD, TL ON BATTLEHILL ROAD, 3RD ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 66500.00
HEATED FLOOR AREA 1330.00 TOTAL AREA 1402.00 HEIGHT .00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 14
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 28-3S-16-02365-103 SUBDIVISION HAMLET
LOT 3 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 5.00

000000281 N RR0066502
Culvert Permit No. Culvert Waiver Contractor's License Number Lavone Cox Applicant/Owner/Contractor
PERMIT 04-0436-N BK RJ Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE ROAD, NOC ON FILE

Check # or Cash 8066

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 335.00 CERTIFICATION FEE \$ 7.01 SURCHARGE FEE \$ 7.01
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ 25.00 TOTAL FEE 424.02

INSPECTORS OFFICE [Signature] CLERKS OFFICE CN

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

8064 424.02

Columbia County Building Permit Application

For Office Use Only Application # 0404-46 Date Received 4/14/64 By TWN Permit # 281/21762
 Application Approved by - Zoning Official BLK Date 20.04.04 Plans Examiner _____ Date _____
 Flood Zone X per plot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low DE
 Comments _____

Applicants Name C&S Construction Phone _____
 Address 456 SE Ermine Ave. STE 101 Lake City FL 32025
 Owners Name Vitaly Jorkach Phone 816-243-3125
 911 Address 164 NW Battle Hill Lane Lake City FL 32055
 Contractors Name James R. Cox Phone _____
 Address 456 SE Ermine Ave. STE 101 Lake City, FL 32025
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Nick Geisler 386-755-9021
 Mortgage Lenders Name & Address _____

Property ID Number 28-35-16-02365-103 Estimated Cost of Construction 62,000.00
 Subdivision Name Oak Hamlet S/P Lot 3 Block _____ Unit _____ Phase _____
 Driving Directions Lake Hwy 90 West, Turn right on Turner Rd. Turn left on Battle Hill Rd. Third lot on left.

Type of Construction Residential Dwelling Number of Existing Dwellings on Property none
 Total Acreage .50 Lot Size 180'x127' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 30 ✓ Side 43 ✓ Side 43 ✓ Rear 115.9 ✓
 Total Building Height 14' Number of Stories one Heated Floor Area 1323 Roof Pitch 5/12

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.

James R. Cox
 Owner Builder or Agent (Including Contractor)

James R. Cox
 Contractor Signature
 Contractors License Number RR0066502
 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

Notary Signature _____

NOTICE OF COMMENCEMENT

Inst:2004008246 Date:04/13/2004 Time:16:12
MCK DC,P.DeWitt Cason,Columbia County B:1012 P:7

STATE OF FLORIDA COUNTY OF SUWANNEE

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 3 Oak Hamlet S/D
2. General Description of Improvement: Residential Construction
3. Owner Information:
 - a. Name and Address: Vitaly Tovkach P.O. Box 3443
OKLAHOMA 73106
 - b. Interest in Property: - OWNER -
 - c. Name and Address of Fee Simple Titleholder (if other than owner):
4. Contractor (name and address): CFS Construction
4516 SE Express Ave Suite 101 Lake City, FL 32025
5. Surety:
 - a. Name and Address:
 - b. Amount of Bond:
6. Lender (name and address)
7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7):
8. In addition to himself, owner designates
9. to receive a copy of the Lienor's Notice as provided in Florida Statutes 713.13(1)(b).
Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified): 6/7/04

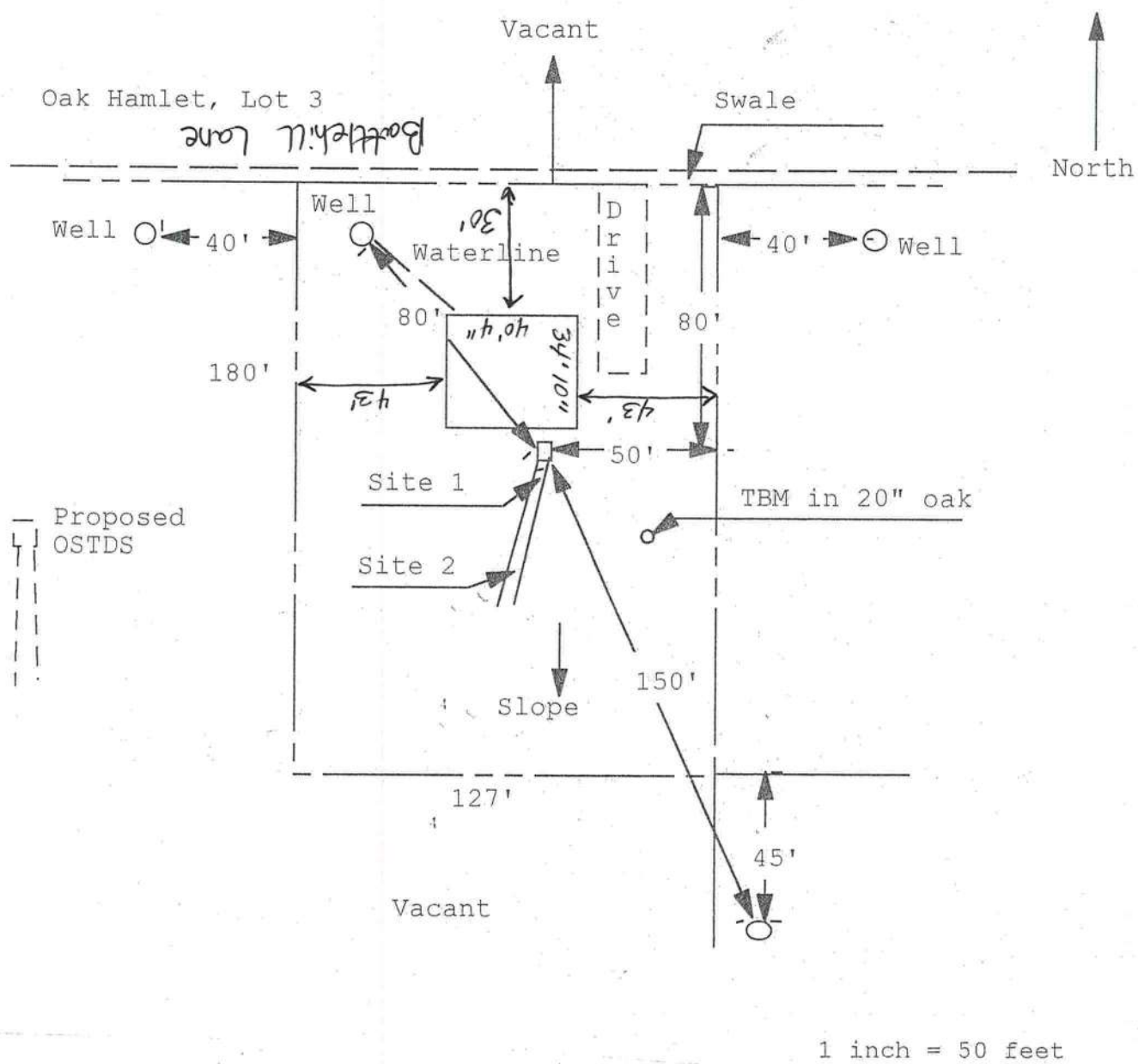
Vitaly Tovkach
Type Owner Name: Vitaly TOVKACH
XXXXXXXXXXXXXXXXXXXX
Type Owner Name: XXXXXXXXXX

Sworn to and subscribed before me this 6th day of April
19 2004
Type Notary's Name: Mary A. Richardson
Notary Public, State of Missouri Jackson County
Commission Expiry & Number: September 22, 2006

Personally Known Vitaly Tovkach
Produced ID: MO DL - Work ID
Did/Did Not Take an Oath



MARY A. RICHARDSON
Notary Public - State of Missouri
JACKSON COUNTY
(My Comm. Exp Sept. 22. 2006)



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	CnS_58EX	Builder:	C&S CONSTRUCTION
Address:	-	Permitting Office:	
City, State:	COLUMBIA COUNTY, FL	Permit Number:	21762
Owner:	C&S CONSTRUCTION	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: 23.8 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1329.94 ft²	13. Heating systems	
7. Glass area & type	Single Pane Double Pane	a. Electric Heat Pump	Cap: 25.6 kBtu/hr
a. Clear glass, default U-factor	0.0 ft² 120.0 ft²		HSPF: 8.00
b. Default tint	0.0 ft² 0.0 ft²	b. N/A	
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 160.3(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1222.6 ft²	(HR-Heat recovery, Solar	
b. N/A		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, 1389.9 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 130.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 18410
Total base points: 22693

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: 05 APR. 2004 12/10/05

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: -, COLUMBIA COUNTY, 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	1329.9	20.04	4797.4	Double, Clear	S	2.0	4.8	40.0	35.87	0.71	1023.8
				Double, Clear	S	7.0	4.8	30.0	35.87	0.48	512.7
				Double, Clear	E	2.0	2.8	6.0	42.06	0.61	154.0
				Double, Clear	N	2.0	4.8	15.0	19.20	0.87	249.2
				Double, Clear	N	2.0	2.8	9.0	19.20	0.77	132.5
				Double, Clear	N	2.0	4.8	20.0	19.20	0.87	332.2
				As-Built Total:						120.0	2404.4
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1222.6	1.50	1834.0		
Exterior	1222.6	1.70	2078.5								
Base Total:			1222.6	2078.5	As-Built Total:			1222.6	1834.0		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood	40.0 6.10 244.0						
Exterior	40.0	6.10	244.0								
Base Total:			40.0	244.0	As-Built Total:			40.0	244.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1329.9	1.73	2300.8	Under Attic	30.0		1389.9	1.73 X 1.00		2404.5	
Base Total:			1329.9	2300.8	As-Built Total:			1389.9	2404.5		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	160.3(p)	-37.0	-5932.2	Slab-On-Grade Edge Insulation	0.0		160.3(p)	-41.20		-6605.6	
Raised	0.0	0.00	0.0								
Base Total:			-5932.2	As-Built Total:			160.3	-6605.6			
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
			1329.9	10.21				1329.9	10.21	13578.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points:		17067.1		Summer As-Built Points:						13860.0	
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	
17067.1		0.4266	7280.8	13860.0		1.000	(1.081 x 1.147 x 0.91)	0.284	0.950	4225.4	
				13860.0		1.00	1.128	0.284	0.950	4225.4	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, 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	1329.9	12.74	3049.8	Double, Clear	S	2.0	4.8	40.0	13.30	1.43	762.1
				Double, Clear	S	7.0	4.8	30.0	13.30	3.24	1291.3
				Double, Clear	E	2.0	2.8	6.0	18.79	1.20	134.9
				Double, Clear	N	2.0	4.8	15.0	24.58	1.01	371.2
				Double, Clear	N	2.0	2.8	9.0	24.58	1.01	224.3
				Double, Clear	N	2.0	4.8	20.0	24.58	1.01	495.0
				As-Built Total:			120.0			3278.8	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1222.6	3.40	4157.0	
Exterior	1222.6	3.70	4523.8								
Base Total: 1222.6 4523.8				As-Built Total:			1222.6			4157.0	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood				40.0	12.30	492.0	
Exterior	40.0	12.30	492.0								
Base Total: 40.0 492.0				As-Built Total:			40.0			492.0	
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1329.9	2.05	2726.4	Under Attic	30.0			1389.9	2.05 X 1.00	2849.3	
Base Total: 1329.9 2726.4				As-Built Total:			1389.9			2849.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	160.3(p)	8.9	1426.9	Slab-On-Grade Edge Insulation	0.0			160.3(p)	18.80	3014.2	
Raised	0.0	0.00	0.0								
Base Total: 1426.9				As-Built Total:			160.3			3014.2	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1329.9 -0.59 -784.7							1329.9			-0.59 -784.7	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		11434.2		Winter As-Built Points:					13006.6	
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
11434.2		0.6274	7173.8	13006.6 13006.6		1.000 1.00	(1.060 x 1.169 x 0.93) 1.152	0.426 0.426	1.000 1.000	6389.0 6389.0

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Credit X Multiplier = Total Multiplier
3		2746.00	=	8238.0	50.0	0.93	3		1.00	2598.37
					As-Built Total:					7795.1

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
7281		7174		8238	4225		6389		7795

Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, 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* = 86.7

The higher the score, the more efficient the home.

C&S CONSTRUCTION, -, COLUMBIA COUNTY, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 23.8 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1329.94 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 120.0 ft ²	a. Electric Heat Pump	Cap: 25.6 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 8.00
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 160.3(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1222.6 ft ²	(HR-Heat recovery, Solar	
b. N/A		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, 1389.9 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. 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 v3.30)

System Sizing Calculations - Winter

Residential Load - Component Details

C&S CONSTRUCTION

Project Title:

Code Only

COLUMBIA COUNTY, FL

CnS_58EX

Professional Version

Climate: North

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

05-Apr-04

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
3	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
4	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
6	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			120		3396 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1223	3.1	3790 Btuh
Wall Total			1223		3790 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
Door Total			40		718Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1390	1.3	1807 Btuh
Ceiling Total			1390		1807Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	160.3 ft(p)	31.6	5066 Btuh
Floor Total			160		5066 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	10972(sqft)	73	3144 Btuh
	Mechanical			150	6435 Btuh
Infiltration Total				223	9579 Btuh

Totals for Heating	Subtotal	24356 Btuh
	Duct Loss(using duct multiplier of 0.05)	1218 Btuh
	Total Btuh Loss	25574 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)

System Sizing Calculations - Summer

Residential Load - Component Details

C&S CONSTRUCTION
COLUMBIA COUNTY, FL

Project Title:
CnS_58EX

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 05-Apr-04

Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, B, N	N	2	4.83	40.0	0.0	40.0	15	15	600	Btuh
2	2, Clear, DEF, B, N	N	7	4.83	30.0	0.0	30.0	15	15	450	Btuh
3	2, Clear, DEF, B, N	W	2	2.83	6.0	3.1	2.9	15	46	179	Btuh
4	2, Clear, DEF, B, N	S	2	4.83	15.0	15.0	0.0	15	24	225	Btuh
5	2, Clear, DEF, B, N	S	2	2.83	9.0	9.0	0.0	15	24	135	Btuh
6	2, Clear, DEF, B, N	S	2	4.83	20.0	20.0	0.0	15	24	300	Btuh
Window Total					120					1889	Btuh
Walls	Type		R-Value		Area			HTM		Load	
	1 Frame - Exterior		13.0		1222.6			1.7		2127 Btuh	
Wall Total					1222.6					2127	Btuh
Doors	Type				Area			HTM		Load	
	1 Wood - Exter				40.0			10.0		399 Btuh	
Door Total					40.0					399	Btuh
Ceilings	Type/Color		R-Value		Area			HTM		Load	
	1 Under Attic/Dark		30.0		1389.9			1.4		1974 Btuh	
Ceiling Total					1389.9					1974	Btuh
Floors	Type		R-Value		Size			HTM		Load	
	1 Slab-On-Grade Edge Insulation		0.0		160.3 ft(p)			0.0		0 Btuh	
Floor Total					160.3					0	Btuh
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.35		10972			64.1		1270 Btuh	
	Mechanical							150		2970 Btuh	
	Infiltration Total							214		4240 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 300 +			1200		3000 Btuh	
Totals for Cooling			Subtotal							13629 Btuh	
			Duct gain(using duct multiplier of 0.10)							1363 Btuh	
			Total sensible gain							14992 Btuh	
			Latent infiltration gain (for 51 gr. humidity difference)							7426 Btuh	
			Latent occupant gain (6 people @ 230 Btuh per person)							1380 Btuh	
			Latent other gain							0 Btuh	
			TOTAL GAIN							23798 Btuh	

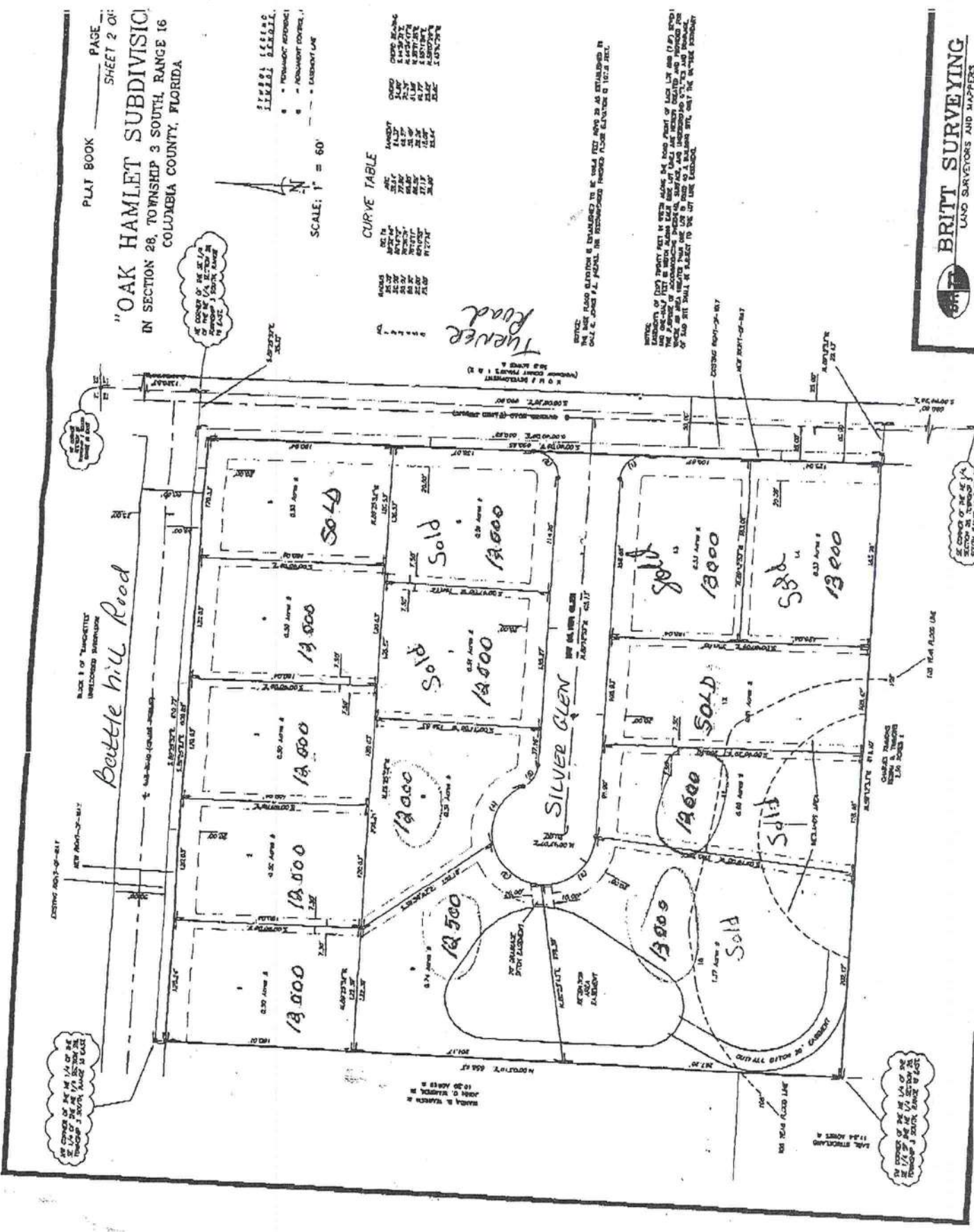
Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass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

P. 2

3887555555

HALLMARK

Mar 25 04 02:32P



This Instrument Prepared by & return to:

Name: **KIM WATSON, an employee of
TITLE OFFICES, LLC**
Address: **1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
04Y-03030KW**
Parcel I.I. #: **02365-101, 102, 103, 104**

Inst: 2004006011 Date: 03/17/2004 Time: 16:06
Doc Stamp-Deed : 336.00
YMK PC, P. DeWitt Cason, Columbia County B:1009 P:2692

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 17th day of March, A.D. 2004, by **CHARLES TIMMONS** and **REGINA G. TIMMONS**, HIS WIFE, hereinafter called the grantors, to **VITALY TOVKACH**, **single**, whose post office address is **601 BRASILIA AVE., KANSAS CITY, MO 64153**, hereinafter called the grantee:

(Wherever used herein the terms "grantors" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of FLORIDA**, viz:

Lots 1, 2, 3 and 4, OAK HAMLET, according to the map or plat thereof as recorded in Plat Book 6, Page 204-205, of the Public Records of Columbia County, FLORIDA.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Martha Bryan
Witness Signature

Martha Bryan
Printed Name

Regina Simpkins
Witness Signature

Regina Simpkins
Printed Name

Charles Timmons L.S.
CHARLES TIMMONS

Address:
**641 NW HARRIS LAKE DRIVE, LAKE CITY,
FLORIDA 32055**

Regina G. Timmons L.S.
REGINA G. TIMMONS

Address:
**641 NW HARRIS LAKE DRIVE, LAKE CITY,
FLORIDA 32055**

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of March, 2004, by **CHARLES**

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: 4-8-04

ENHANCED 9-1-1 ADDRESS:

164 NW Battle Hill Ln. (Lake City, FL 32055)

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: _____

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 44

PROPERTY APPRAISER PARCEL NUMBER: 28-35-16-02365-103

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 3, Oak Hamlet S/D

Address Issued By: 

Columbia County 9-1-1 Addressing Department

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

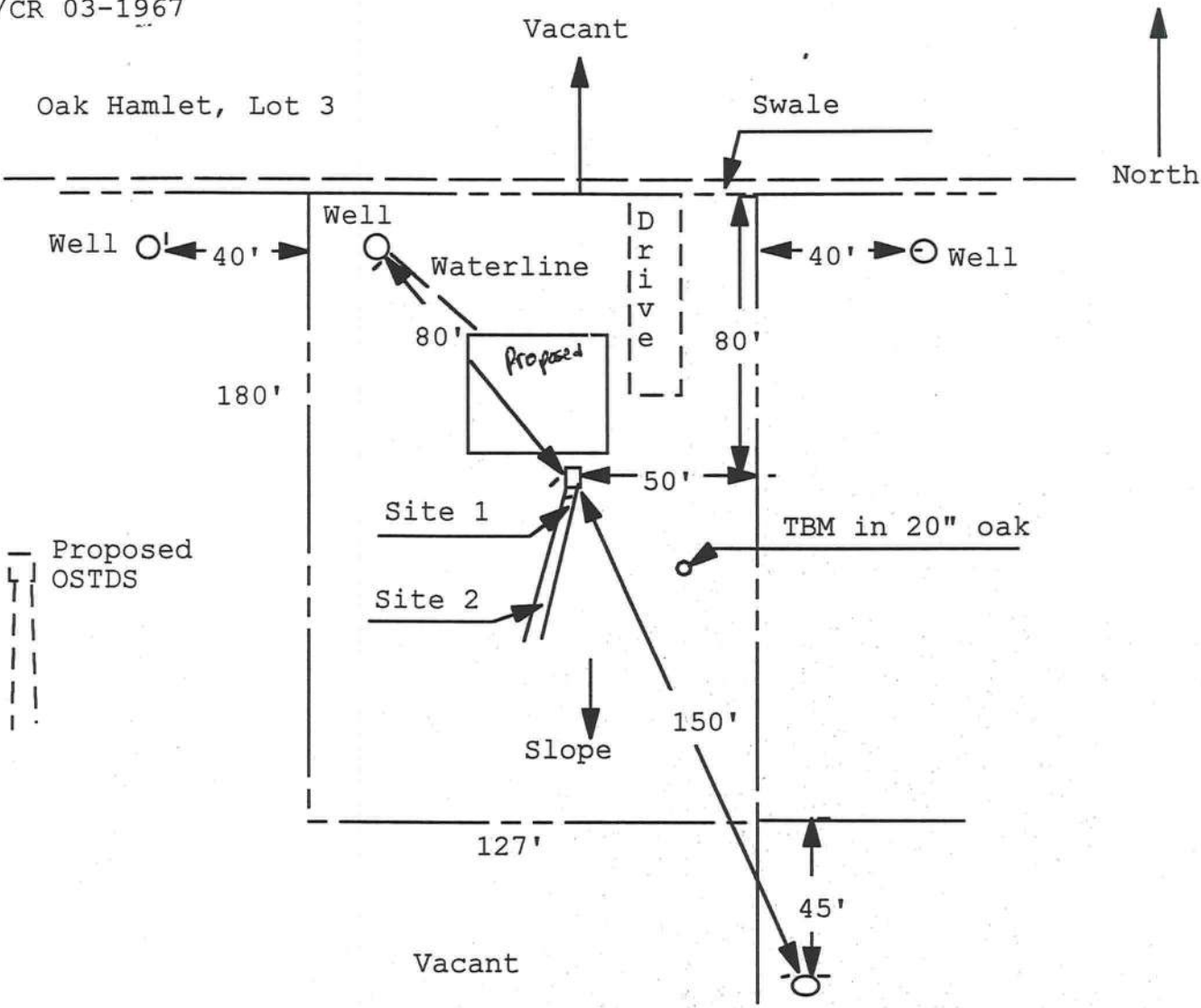
Posting of Address Numbers in accordance with Ordinance 2001-9, Section 5:

- A. Principal Buildings (residence, apartment building or "In Town" business) shall display the assigned address number made of Arabic numerals not less than 3 inches in height and 1 ½ inches in width of a contrasting color to the background on which affixed, as near to the front entrance as possible and practical so that the number is visible and legible from the sidewalk (if any), the public or private way on which the principal building fronts and the opposite side of the public or private way, day or night.
- B. Private Lane and Long Driveways: for any principal building (residence, apartment building or business) (except malls or shopping centers) located so that the address number is not clearly legible and visible from the public or private way, shall post an additional set of numbers at the intersection of the driveway to the principal building at the public or private way. The additional address number shall be made up of Arabic numerals not less than 3 inches in height and 1-1/2 inches in width. Numbers shall be contrasting in color with the background on which they are affixed, visible day or night, and placed upon a post or other structure which displays the number so it is visible and legible to emergency services personnel approaching from either direction along the public or private way.
- C. Industrial and Commercial Structures in Low Density Areas: All industrial and commercial structures located in low-density development areas (areas in which small residential style address numbers are not visible from the public or private way) shall display address numbers of not less than 10 inches in height. The numbers shall contrast in color with the background on which they are affixed and shall be visible and legible day or night from the public or private way. When possible, the number shall be displayed beside or over the main entrances of the structure.
- D. Apartment Buildings and High-Rises: All apartment buildings and high-rises style principal buildings shall display address numbers above or to the side of the primary entrance to the Addressed location. Numbers shall contrast with the color of the background to which they are affixed, and shall be at least 6 inches in height and visible and legible day or night. Apartment numbers for individual units within the complex shall be displayed on, above, or to the side of the doorway of each unit. Assigned number shall be displayed on each separate front entrance in the case of a principal building which is occupied by more than one business or family dwelling unit.
- E. Any different numbers, which might be mistaken for or confused with the numbers assigned in accordance with the "Numbering System", shall be removed upon proper display of the assigned address number.
- F. The responsibility of placement and maintenance of the building address numbers is that of the occupant or property owner.

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0436N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

TOVKACK/CR 03-1967



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 4/12/04
Plan Approved Not Approved Date 4/12/04
By Paul Lloyd deKaul: Suzie Columbus CPHU
Notes: 4-16-04

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000281**

DATE 04/21/2004 PARCEL ID # 28-3S-16-02365-103
APPLICANT LAVONE COX PHONE 755-7200
ADDRESS 456 SE ERMINE AVE, STE 101 LAKE CITY FL 32025
OWNER VITALY TONKACH PHONE 816 243-3625
ADDRESS 164 NW BATTLEHILL LANE LAKE CITY FL 32055
CONTRACTOR JAMES COX PHONE 755-7200
LOCATION OF PROPERTY 90W, TR ON TURNER ROAD, TL ON BATTLEHILL ROAD, 3RD ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT OAK HAMLET 3

SIGNATURE

Lavone Cox

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



COLUMBIA COUNTY, FLORIDA DEPARTMENT OF BUILDING AND ZONING

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 28-3S-16-02365-103

Building permit No. 000021762

Use Classification SFD, UTILITY

Fire: 17.01

Permit Holder JAMES COX

Waste: 36.75

Owner of Building VITALY TONKACH

Total: 53.76

Location: 164 NW BATTLEHILL LN(OAK HAMLET, LOT 3)

Date: 07/15/2004



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment

10840

Applicator: Florida Pest Control & Chemical Co.

Address

BAYA AVE

City

L.C.

Phone

7521703

Site Location Subdivision

Lot#

Block#

Permit#

21762

Address

164 NW BATTLE HILL Lane

AREAS TREATED

Print Technician's

Name

Gal.

Time

Date

Area Treated

Main Body

5/1/04 0800 244 Gummy

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

DIESBATE

%

Remarks

Exterior Spot to Grade