	bia County of the Expires One Year			PERMIT 000023030
ADDRESS 387 SW KEMP COUR	RT	LAKE CITY		FL 32024
OWNER SOUTH EASTERN DEVELO	PERS	PHONE	755-1982	· - -
ADDRESS 267 SW GUTHRIE TH	ERR	LAKE CITY	-	FL 32024
CONTRACTOR MASTER BUILDERS/I	DAVID BLANK	PHONE	755-1982	
LOCATION OF PROPERTY 247S, TI	L AT WOOD CREST, TL C	ON GUTHRIE TERR, 77	TH LOT ON	_
LEFT				
TYPE DEVELOPMENT SFD/UTILITY	ESTI	MATED COST OF CO	NSTRUCTION	63050.00
HEATED FLOOR AREA 1261.00	TOTAL AREA	1689.00	HEIGHT	.00 STORIES 1
FOUNDATION CONC WA	LLS FRAMED RO	OOF PITCH 6/12	F	FLOOR SLAB
LAND USE & ZONING RSF-2		MAX.	HEIGHT	16
Minimum Set Back Requirments: STREE	Γ-FRONT 25.00	REAR	15.00	SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE	X PP	DEVELOPMENT PERM	IIT NO.	
PARCEL ID 11-4S-16-02905-143	SUBDIVISION			
		WOOD CRST		
LOT 43 BLOCK PHASE	UNIT	TOTA	L ACRES	.63
000000615 Y	CGC061733	Since	10 R	and or
	Contractor's License Number	er (), ()-X	pplicant/Owne	r/Contractor
CULVERT PERMIT 05-0339-N	BK	_		Y
Driveway Connection Septic Tank Number	LU & Zoning	checked by Appro	oved for Issuan	ce New Resident
	JILDING & ZONING			Sash 1720 (footer/Slab)
Temporary Powerdate/app. by	Foundation	DEPARTMENT O		(footer/Slab)
Temporary Power	Foundation	DEPARTMENT C	ONLY Monolithic	(footer/Slab) date/app. by
Temporary Power date/app. by Under slab rough-in plumbing date/ap	Foundation Slab	DEPARTMENT O	ONLY Monolithic	(footer/Slab) date/app. by
Temporary Power date/app. by Under slab rough-in plumbing date/app Framing	Foundation Slab	DEPARTMENT C	ONLY Monolithic Sheathing	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app date/app. by Electrical rough-in	Foundation Slab pp. by Rough-in plumbing above	DEPARTMENT C	ONLY Monolithic Sheathing	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app Framing	Foundation Slab Slab Pp. by Rough-in plumbing above	date/app. by date/app. by e slab and below wood fl	ONLY Monolithic Sheathing	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing framing date/app. by Electrical rough-in date/app. by Permanent power	Foundation Slab pp. by Rough-in plumbing above	date/app. by date/app. by e slab and below wood fl	ONLY Monolithic _ Sheathing/	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final	date/app. by date/app. by e slab and below wood fl	ONLY Monolithic _ Sheathing/ oor ri. beam (Linte	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing	Foundation Slab pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/	date/app. by date/app. by e slab and below wood fled date/app. by /app. by	ONLY Monolithic _ Sheathing/ oor ri. beam (Linte	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection date/app. by	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final	date/app. by date/app. by e slab and below wood fl date/app. by //app. by Utility Pole	ONLY Monolithic _ Sheathing/ oor ri. beam (Linte	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection date/app. by M/H Pole Trav	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app.	date/app. by date/app. by e slab and below wood fl date/app. by date/app. by Utility Pole	ONLY Monolithic _ Sheathing/ oor ri. beam (Linte	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app Framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection date/app. by	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app.	date/app. by date/app. by e slab and below wood fl date/app. by //app. by Utility Pole	ONLY Monolithic Sheathing/ oor ri. beam (Linte Culvert Pool date/app. by	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection date/app. by M/H Pole Trav	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app.	date/app. by date/app. by e slab and below wood fl date/app. by date/app. by date/app. by Utility Pole by	ONLY Monolithic Sheathing/ oor ri. beam (Linte Culvert Pool date/app. by	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection M/H Pole date/app. by BUILDING PERMIT FEE \$ 320.00	Foundation Slab Slab Sp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app vel Trailer date/a CERTIFICATION FEE \$	date/app. by date/app. by e slab and below wood fl date/app. by date/app. by date/app. by Utility Pole by	Monolithic Sheathing/oor ri. beam (Linte Culvert Pool date/app. by Re-roof	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app framing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection M/H Pole date/app. by BUILDING PERMIT FEE \$ 320.00	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app vel Trailer date/a CERTIFICATION FEE \$	date/app. by date/app. by e slab and below wood fl date/app. by date/app. by Utility Pole by 8.45 FIRE FEE \$	Monolithic Sheathing/ oor ri. beam (Linte Culvert Pool date/app. by Re-roof	(footer/Slab) date/app. by Nailing
Temporary Power date/app. by Under slab rough-in plumbing date/app. by Electrical rough-in date/app. by Permanent power date/app. by M/H tie downs, blocking, electricity and plumbing Reconnection date/app. by M/H Pole date/app. by BUILDING PERMIT FEE \$ 320.00 MISC. FEES \$.00 ZONING of FLOOD ZONE DEVELOPMENT FEE \$	Foundation Slab Slab Pp. by Rough-in plumbing above Heat & Air Duct C.O. Final date/app. by Pump pole date/app vel Trailer CERTIFICATION FEE \$ CERT. FEE \$ 50.00 CULVERT FEE \$	date/app. by date/app. by e slab and below wood flee date/app. by date/app. by Utility Pole by app. by 8.45 FIRE FEE \$ 25.00 CLERKS OFFICE	ONLY Monolithic Sheathing/ oor ri. beam (Linter Culvert Pool date/app. by Re-roof SURCHARGE WASTE OTAL FEE	(footer/Slab) date/app. by Nailing

"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.

BLDG AND ZONING CK#1720

2			DLDG HID A	DRATING	F-741;	at. Pla
~	Columbia C	County Buildi	ing Permit App	olication	Re	vised 9-23-04
For Office Use Only	Application #	0503.100	Date Received 3	131/05 By 6	Permit # (415)	23030
Application Approv	ed by - Zoning Offic	ial ISLK	Date 12.04.05	Plans Examiner	OK JTH Date	4-5-05
	Development P	Permit N/A	Zoning RSF-2	Land Use Plan	Map Category Ke	es. La Der.
Comments						
Applicants Name				Phone _	752-228	
Address 387	S.W. Ker	no ct 1	_abe C	ity.FL	32024	•
Owners Name 501	oth Easters	n. Develo	pers		755-198	2
911 Address 26	7 SW Gutt	nrie Jer	- Lake	City	-L 3202	24
Contractors Name	South East	ero Dev	relopers	Phone	755-198	
Address 3HI S	s.W. Ring	ct Sui	te ioa 1	ake C	ty, EL 3	32025
Fee Simple Owner No					J	
Bonding Co. Name &						•
Architect/Engineer N	ame & Address W	illian Mi	pers Desig	a I Nick	· Geisle	
Mortgage Lenders No	ime & Address	lillenolu	m_Bank	H340 New	berry of G	ainesville
Circle the correct por	wer company FL	Power & Light	Clay Elec S	uwannee Valle	y Elec Progres	ssive Energy
Property ID Number _	11-45-16-0	2905-11	43 Estimated	Cost of Constru	oction 70,0	00
Subdivision Name	load Crest	–		Lot H3Bloc	k 🚨 linit	Phose
Driving Directions &	2H7 to C	Dat W	lood Crest	- Turn C) on G	uthrie
Type of Construction	SED		Number of	Existing Dwellin		3
Total Acreage	O Lot Size	Do you need a	Culvert Permit	or Culved Web	gs on Property	ulation B.
Actual Distance of Stru	octure from Property	Lines - Front	SO Side	21/41/5/10	2 1 4	115'10"
Total Building Height	16'2" Numb	per of Stories	Heated Flor	or Area 12 (Roof Pitch	O. C.
			nedied not	N MIAG TONG	Z KOO! FIICH .	W-10
Application is hereby r	nade to obtain a per	rmit to do work	and installations	as indicated. I c	ertify that no wor	rk or
installation has comme all laws regulating con	suced prior to the is	SUANCA Of A DAI	rmit and that all w	ork be perform	ed to meet the sta	indards of
OWNERS AFFIDAVIT: compliance with all ap	hereby certify that	ali the foregoin	g information is a	accurate and all	work will be done	ı In
WARNING TO OWNER	YOUR FAILURE TO	RECORD A NO	OTICE OF COMM	ENCHENT MAY	RESULT IN YOU	PAYING
TWICE FOR IMPROVE! ENDER OR ATTORNE	WENTS TO TOUR PR	KUPERIY. IF YO	JU INTEND TO O	RTAIN FINANCII	NG, CONSULT WI	TH YOUR
			\ (/	1 1 1	001	

Owner Builder or Agent (Including Contractor R. Roder Commission #DD303275
STATE OF FLORIDA
COUNTY OF COLUMBIA

COUNTY OF COLUMBIA

COUNTY OF COLUMBIA

COUNTY OF COLUMBIA Sworn to (or affirmed) and subscribed before me

this day of March Personally known or Produced Identification_ Contractor Signature

Contractors License Number CGC 061733 Competency Card Number_

NOTARY STAMP/SEAL

Notary Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Southeast Developers Group, Inc Model 1261	Builder:	Southeast Developers Group
Address:	Lot: 43, Sub: Woodcrest, Plat:	Permitting Office:	2 26
Carried Control of the Control of th	11 <u>11 11 11 11 11 11 11 11 11 11 11 11 </u>	[교] , 이번에 발견하였다. [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	121110

Permit Number: 23030 City, State: , FL 32025-Owner: Spec House

Jurisdiction Number: 221000 Climate Zone: North

New construction or existing	. New _	12. Cooling systems	
Single family or multi-family	Single family _	a. Central Unit	Cap: 26.0 kBtu/hr
Number of units, if multi-family	1		SEER: 11.00
Number of Bedrooms	3	b. N/A	
Is this a worst case?	No _		
Conditioned floor area (ft²)	1261 ft ²	c. N/A	
Glass area & type		B1	
a. Clear - single pane	0.0 ft ²	13. Heating systems	
b. Clear - double pane	174.0 ft ²	a. Electric Heat Pump	Cap: 26.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft ²		HSPF: 6.80
d. Tint/other SHGC - double pane.	0.0 ft²	b. N/A	
Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 161.0(p) ft	c. N/A	
b. N/A			
c. N/A	- Jan 1981 198	14. Hot water systems	
Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 886.0 ft ²	pan increase the control of the cont	EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 188.0 ft ²	b. N/A	
c. N/A	et i		
d. N/A	_	c. Conservation credits	
e. N/A	-	(HR-Heat recovery, Solar	
. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 1261.0 ft ²	15. HVAC credits	
b. N/A	_	(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan.	
. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 30.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.14

Total as-built points: 19809 Total base points: 21480

PASS

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

PREPARED BY:	Will Myers
DATE:	
I hereby certify that this be compliance with the Florid	
OWNER/AGENT:	
OBBIGLIOMOLISI.	the same and the s

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:



EnergyGauge® (Version: FLR1PB v3.22)

DATE: _

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025- PERMIT #:

BASE			AS-	-BUI	LT				
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Type/SC	Ov Ornt	erhang Len		Area X	SPN	их	SOF	= Points
.18 1261.0 20.04 4548.7	Double, Clear	w	1.5	6.0	15.0	36.9	9	0.91	506.
	Double, Clear	W	1.5	7.7	40.0	36.9		0.95	1408.8
	Double, Clear	W	1.5	4.0	9.0	36.9	9	0.82	272.
6	Double, Clear	W	1.5	6.0	20.0	36.9	9	0.91	675.
	Double, Clear	E	1.5	6.0	60.0	40.2		0.91	2202.8
3	Double, Clear	E	5.5	6.0	30.0	40.2	2	0.54	650.
	As-Built Total:				174.0				5716.1
WALL TYPES Area X BSPM = Points	Туре		R	-Value	e Area	X	SPN	1 =	Points
Adjacent 188.0 0.70 131.6	Frame, Wood, Exterior			13.0	886.0		1.50		1329.0
Exterior 886.0 1.70 1506.2	Frame, Wood, Adjacent			13.0	188.0		0.60		112.8
Base Total: 1074.0 1637.8	As-Built Total:				1074.0				1441.8
DOOR TYPES Area X BSPM = Points	Туре				Area	X	SPN	1 =	Points
Adjacent 20.0 2.40 48.0	Exterior Insulated			(1)	20.0		4.10		82.0
Exterior 20.0 6.10 122.0	Adjacent Insulated	7			20.0		1.60		32.0
Base Total: 40.0 170.0	As-Built Total:				40.0				114.0
CEILING TYPES Area X BSPM = Points	Туре		R-Val	ue /	Area X	SPM	x sc	M =	Points
Under Attic 1261.0 1.73 2181.5	Under Attic			30.0	1261.0	1.73 X	1.00		2181.
Base Total: 1261.0 2181.5	As-Built Total:				1261.0				2181.
FLOOR TYPES Area X BSPM = Points	Туре		R	-Value	Area	X	SPN	1 =	Points
Slab 161.0(p) -37.0 -5957.0 Raised 0.0 0.00 0.0	Slab-On-Grade Edge Insulati	on		0.0	161.0(p	4	11.20		-6633.2
Base Total: -5957.0	As-Built Total:				161.0			3	-6633.2
INFILTRATION Area X BSPM = Points		(2)			Area	X	SPN	1 =	Points
1261.0 10.21 12874.8					1261.	^	10.21		12874.8

EnergyGauge® DCA Form 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025-

PERMIT #:

4						AS	-B	UILT								
Summer Bas	15455.8	Summer As-Built Points:											15695.0			
Total Summer Points		stem Iltiplier	=	Cooling Points	Tota Compor		X	Cap Ratio		Duct Multiplie	r.	Multiplier	X	Credit Multiplier	=	Cooling Points
15455.8	0.4	1266		6593.5	15695 1569 5	0.00		1.000	(1.0	090 x 1.147		0.310 0.310)	1.000		5540.4 5540.4

EnergyGauge™ DCA Form 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025- PERMIT #:

BASE			AS-	-BUI	LT				
GLASS TYPES	1								
.18 X Conditioned X BWPM = Points		Ove	rhang	1					
Floor Area	Type/SC	Ornt	Len	Hgt	Area X	WP	M X	WOF	= Point
.18 1261.0 12.74 2891.7	Double, Clear	W	1.5	6.0	15.0	10.7	7	1.02	165.3
ā	Double, Clear	W	1.5	7.7	40.0	10.7	7	1.01	436.1
	Double, Clear	W	1.5	4.0	9.0	10.7	7	1.05	102.0
	Double, Clear	W	1.5	6.0	20.0	10.7	7	1.02	220.4
and the second s	Double, Clear	E	1.5	6.0	60.0	9.0	9	1.04	564.8
	Double, Clear	E	5.5	6.0	30.0	9.0	9	1.26	344.4
by after	As-Built Total:				174.0				1833.0
WALL TYPES Area X BWPM = Points	Туре		R	-Value	Area	Х	WPN	1 =	Points
Adjacent 188.0 3.60 676.8	Frame, Wood, Exterior			13.0	886.0		3.40		3012.4
Exterior 886.0 3.70 3278.2	Frame, Wood, Adjacent			13.0	188.0		3.30		620.4
	4								
Base Total: 1074.0 3955.0	As-Built Total:				1074.0			_	3632.8
DOOR TYPES Area X BWPM = Points	Туре				Area	X	WPN	1 =	Points
Adjacent 20.0 11.50 230.0	Exterior Insulated		-		20.0		8.40		168.0
Exterior 20.0 12.30 246.0	Adjacent Insulated				20.0		8.00		160.0
Base Total: 40.0 476.0	As-Built Total:			8	40.0				328.0
CEILING TYPES Area X BWPM = Points	Туре	R	-Value	e Ar	ea X W	PM)	(WC	:M =	Points
Under Attic 1261.0 2.05 2585.1	Under Attic			30.0	1261.0 2	2.05 X	1.00		2585.1
Base Total: 1261.0 2585.1	As-Built Total:				1261.0	W-		W-100	2585.1
FLOOR TYPES Area X BWPM = Points	Туре		R-	Value	Area	X	NPN	=	Points
Slab 161.0(p) 8.9 1432.9	Slab-On-Grade Edge Insulation	n		0.0	161.0(p	1	8.80		3026.8
Raised 0.0 0.00 0.0	8			5.5					
Base Total: 1432.9	As-Built Total:				161.0				3026.8
INFILTRATION Area X BWPM = Points					Area	χı	NPM	=	Points
1261.0 -0.59 -744.0					1261.0		-0.59		-744.0

EnergyGauge® DCA Form 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025-

PERMIT #:

7.5	E	BASE						AS-	-B	UILT					
Winter Base	e P	oints:		10596.7	Winter As-Built Points:										
Total Winter Points	X :	System Multiplie	= er	Heating Points	Total Componen	X	Cap Ratio	X (DI	Duct Multiplier		Multiplier	X	Credit Multiplier		Heating Points
10596.7		0.6274		6648.4	10661.7 10661.7		1.000	(1.0	069 x 1.169		0.501 0.501		1.000 1.000		6213.6 6213.6

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025-

PERMIT #:

	E	BASE			AS-BUILT										
WATER HEA Number of Bedrooms	TING	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	х	Tank X Ratio	Multiplier	X Credit Multiplie				
3		2746.00		8238.0	50.0	0.90	3		1.00	2684.98	1.00	8054			
					As-Built To	otal:						8054			

1 	4			CODE	C	OMPLI	ANCE	S1	TATUS	3						
	BASE								AS-BUILT							
Cooling Points	÷	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	.+	Hot Water Points	=	Total Points			
6593	10	6648		8238	10 ¹¹	21480	5540		6214		8055		19809			

PASS



EnergyGauge™ DCA Form 600A-2001

#3/9/19 T

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025- 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* = 84.2

The higher the score, the more efficient the home.

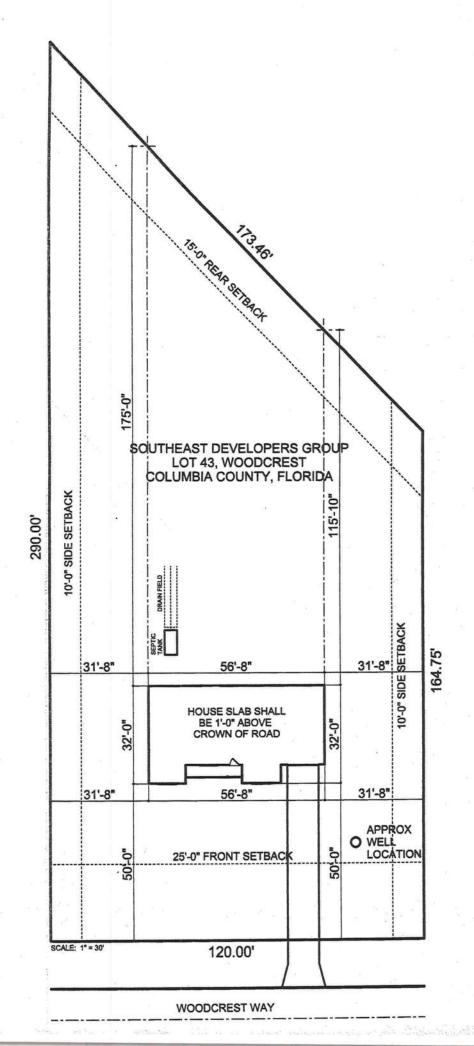
Spec House, Lot: 43, Sub: Woodcrest, Plat: , , FL, 32025-

New construction or existing	New		12	Cooling systems	
Single family or multi-family	Single family	-		Central Unit	Cap: 26.0 kBtu/hr
Number of units, if multi-family	1	_			SEER: 11.00
Number of Bedrooms	3	_	h.	N/A	
5. Is this a worst case?	No	_		200	<u> </u>
6. Conditioned floor area (ft²)	1261 ft²	_	c.	N/A	
7. Glass area & type			77		4" a 1
a. Clear - single pane	0.0 ft²	_	13.	Heating systems	
b. Clear - double pane	174.0 ft²	_		Electric Heat Pump	Cap: 26.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft²	_	-		HSPF: 6.80
d. Tint/other SHGC - double pane	0.0 ft²		h.	N/A	
8. Floor types	0.010		0.		
a. Slab-On-Grade Edge Insulation	R=0.0, 161.0(p) ft	-	c.	N/A	
b. N/A	K 0.0, 101.0(p) 11		•		£)
c. N/A			14	Hot water systems	T
9. Wall types				Electric Resistance	Cap: 50.0 gallons
a. Frame, Wood, Exterior	R=13.0, 886.0 ft ²	_			EF: 0.90
b. Frame, Wood, Adjacent	R=13.0, 188.0 ft ²		b	N/A	
c. N/A	12.0, 100.0 1	_	0.		
d. N/A		_	c	Conservation credits	
e. N/A		_	٠.	(HR-Heat recovery, Solar	* * * * *
10. Ceiling types				DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 1261.0 ft ²	_	15.	HVAC credits	7 Table 1
b. N/A	10.0, 1201.0 10	-		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		_		HF-Whole house fan,	
11. Ducts				PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 30.0 ft	_		MZ-C-Multizone cooling,	
b. N/A	5up. 10 0.0, 50.0 10			MZ-H-Multizone heating)	
The second secon				11 11 11 11 11 11 11 11 11 11 11 11 11	5 y 2 5 5
\$194 (\$ \$) k.					
I certify that this home has complied with	the Florida Energy	v Efficie	encv	Code For Building	
Construction through the above energy say					THE STAN
in this home before final inspection. Other					100
based on installed Code compliant feature		o top tuj	-	- 11 or occurpation	18/00/8/
cased on instance code compitant reature	· .				3 100 200 200 200 200 200 200 200 200 200
Builder Signature:	9 %	Date:	-		9
~					
		100 miles			
Address of New Home:		City/F	LZ	ip:	GOD WE TRUBE
E alife to I allege					-
*NOTE: The home's estimated energy ner	formance score is	only on	vaila	ble through the FLA/RES computer	r program.

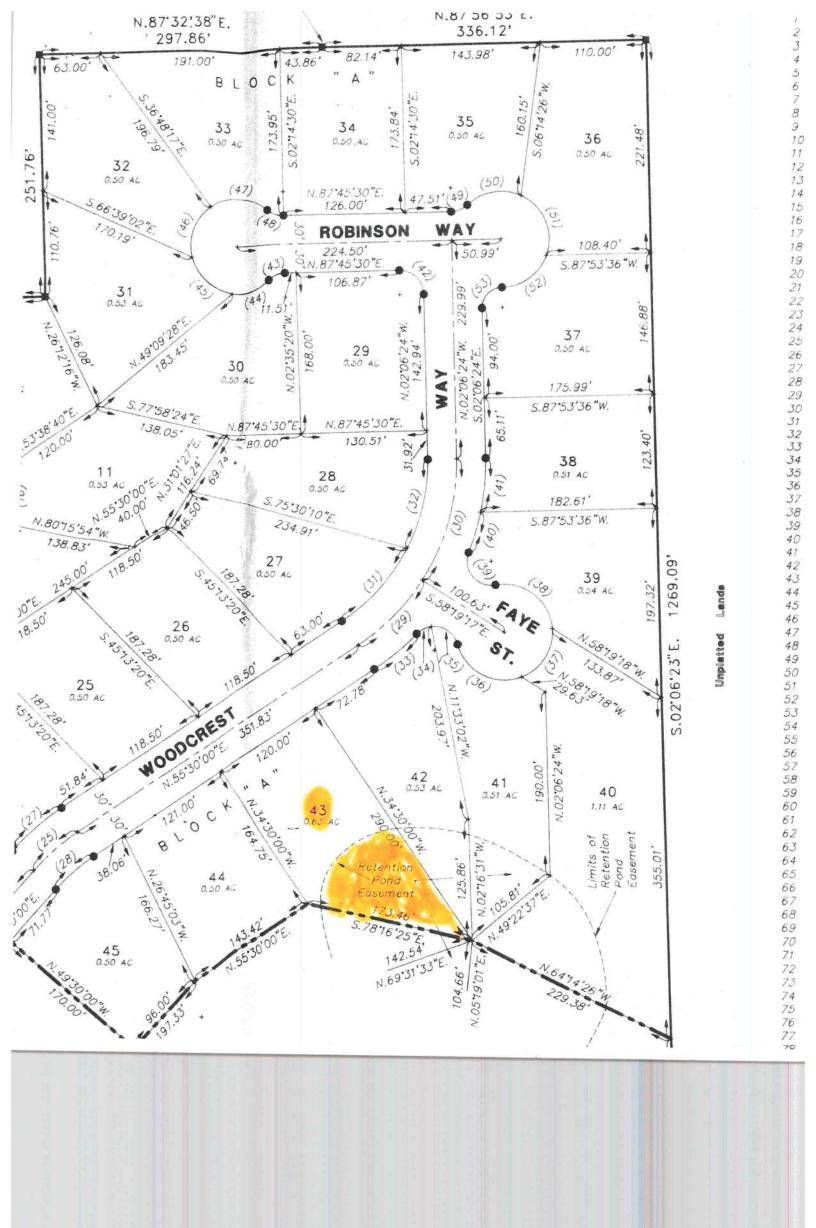
This is <u>not</u> a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar $^{\text{IM}}$ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 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

contact the Department of Community Affair Contact the Department of Contact the D





See NexT PAGE



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.

DARE 1350 ED: Warta 21. 2005	유교회에게 기괴되었다.
ENHANCED 9-1-1 ADDRESS:	
267 SW GUTHRIE TER (LAKE CITY, FL	32024)
Addressed Location 911 Phone Number: NOT AVAIL.	
OCCUPANT NAME: NOT AVAIL.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OCCUPANT CURRENT MAILING ADDRESS:	
PROPERTY APPRAISER MAP SHEET NUMBER: 70	OC
PROPERTY APPRAISER PARCEL NUMBER: 11-4S-	16-02905-143
Other Contact Phone Number (If any):	
Building Permit Number (If known):	
Remarks: LOT 43 BLOCK A WOODCREST S/D	
	s
ONA	
Address Issued By: Columbia County 9-1-1 Addressing D	

COLUMBIA COUNTY 9-1-1 ADDRESSING APPROVED ATS# 2438

Prepared by: Matthew D. Rooco Abstract & Title Services, Inc. 3731 NW 40TH Terrace, Suite B inesville, FL 32606

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 12th day of January, 2005 by

Peter W. Glebeig, A Single Person

hereinafter called the grantor, to

Inst:2005001046 Date:01/14/2005 Time:16:26

Southeast Developers Group, inc.

Doc Steep-Beed: 140.00
Doc,P.Dewitt Cason, Columbia County B:1035 P:1811

whose post office address is: 341 SW Ring CT, Suite 102, Lake City, FL 32025 hereinsfier called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations; receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantse, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID#

Lot 43, Block A, Woodcrest, a subdivision according to the plat thereof recorded in Plat Book 6, pages 133-136, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenences thereto belonging or in anywise epperiaining.

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants 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, 2004.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above

Signed, sealed and delivered in our, presence:

Filorida B. Green

Z

(400

STATE OF FLORIDA

MAII

COUNTY OF COLUMBIA

(SEAL)

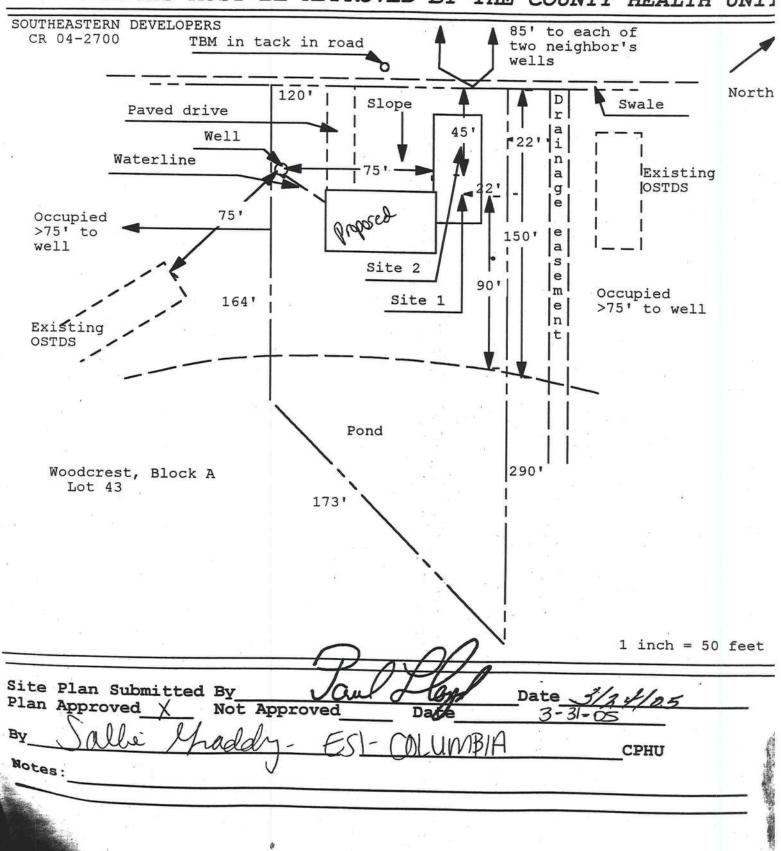
PHONDA B. GREEN 7 12. 2006

Pinonda B. Green

Tree

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number: ()5-0339-0)

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Pecpared By & Resum To: Philip A. DeLaney, Scriego & Cambehael, P.A. Post Offic a Box 21109 Gettechtile, Florida 32602 PAD 05-1932

NOTICE OF COMMENCEMENT

Ter Folic No.
Pernit No.
State of Florida
County of Alachus.

R02905-406 and R02905-143 and R02905-351 and R02905-222

To whom it may concerns

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance apar 713. Florida Statutes, the following information is provided in this Notice of Commercement.

Description of real property to be improved (legal description and address if available)

Lot 6 Crest Pointe, a subdivision according to the plat thereof recorded in Plat Book 7, Page 73, of the Public Records of Columbia County, Florida;

ana; Lot 43, Block A. Woodcrest, a subdivision according to the plat thereof recorded in Plat Book 6, Pages 133-136, of the Public Records of Columbia County, Florida;

and: Lot \$1. Woodcreet Unit II., a subdivision according to the plat thereof recovered in Plat Book 6, Pages 186-188, of the Public Records of Columbia County, Florida;

and:

Lot 22, Huntington at Woodcrest, a subdivision according to the plat thereof recorded in Plat Buck 6, Pages 145-146, of the Public Records of Columbia County, Florida,

LESS AND EXCEPT:

Bogin at the Northeast corner of said Lot 22, and run S 88"33"08" W, along the North line of said Lot 22, 123.00 feet; theree S 50"0744" E, 145.86 feet to the Rast line of said Lot 22; theree N 01"38"21" W, 78,00 feet to the Point of Said Lot 22" W, 78,00 feet to the Point of Said Lot 22" W, 78,00 feet to the Point of Said Lot 22" W, 78,00 feet to the Point of Sa

General description of improvements - single-family residence

Owner information:

Southeast Developers Group, Inc., a Florida componition, 341 S.W. Ring Court, Suite 102, Lake City, FL 32025

Owner's interest in the site of the improvements (if other than fee simple title holder): Fee Simple

Name of fee simple title bolder (if other than owner): N/A

Southeast Developers Group, Inc., a Florida concernation 341 S.W. Rine Court, Suite 102, Lake City, FL 32025 Phones (386) 755-1982. Fast (386)

Surety on any payment bond: N/A

Name of any Lander making a loan for the construction of the improvements. Millenstum Bank (Name)
4340 Newborry Road, Gainesville, Florida 32607 (Address)

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 Sunuteat

In addition to himself, owner designates the following person to receive a copy of the license's notice as provided in Section 713.13(1)(5). Florida Statutes:

Lands Araridi. Vice President of hillsennium Bonk. (Name)
4340 Newhorr Road, Gainetville, Florida 32607. (Address)
43521335-0299. (Phone) (182) 235-7007. (Pax)

This Notice of Commencement shall Expire One (1) year from the recording date.

Ighius of Tockelson, Its President CORPORATE SEAL)
STATE OF FLORIDA
COUNTY OF ALACHUA

ne this. I 7th day of <u>Innuary, 2005</u>, by Joshus A. Nickelson, the componition, who () is are personally known to me or who cycluled those for instrument for and on behalf of the Grap, Inc. a Flo

(NOTARY SEAL)

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL OWNERS

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank, you,

Donald D. Hall

DDH/jk

Columbia County Building Department Culvert Permit

Culvert Permit No. 000000615

96				00	000	0015	
DATE 04/	13/2005	PARCEL ID# 11-4S-	16-02905-143				
APPLICANT	LINDA RODER	*	PHONE	752-2281			
ADDRESS _	387 SW KEMP COURT		LAKE CITY		FL	32024	
OWNER SO	OUTH EASTERN DEVELOR	PERS	_ PHONE	755-1982			
ADDRESS _2	67 SW GUTHRIE TERR		LAKE CITY		FL	32024	
CONTRACTO	MASTER BUILDERS/I	DAVID BLANK	PHONE	755-1982			
LOCATION O	F PROPERTY 247S, T	TL AT WOOD CREST, TL O	N GUTHRIE TERR,	7TH LOT ON	LEFT		
		1					
SUBDIVISION	I/LOT/BLOCK/PHASE	/UNIT WOOD CREST		43	A		
	d = 1 0						
SIGNATURE	- Gunda Koz	ler	_				
	INSTALLATION R	EQUIREMENTS					
X	Culvert size will be 1 driving surface. Both thick reinforced conc	8 inches in diameter wit ends will be mitered 4 for rete slab.	h a total lenght of bot with a 4:1 slo	32 feet, lead po	aving ured v	24 feet of with a 4 inch	
	 a) a majority of the b) the driveway to be Turnouts shall be concrete or paved 	OTE: Turnouts will be re current and existing driv be served will be paved of concrete or paved a min driveway, whichever is ng paved or concreted tu	eway turnouts are ir formed with con imum of 12 feet v greater. The widt	e paved, or nerete.	width	of the to the	
	Culvert installation shall conform to the approved site plan standards.						
	Department of Transportation Permit installation approved standards.						
	Other			¥1			
				13			
	FETY REQUIREMENTS S			1		E COURT	
Lake City, FL 3		Amount P	aid <u>25.00</u>	<u> </u>	19 (d) (E)		
hone: 386-758	-1008 Fax: 386-758-21	60			16	10	

*#23030 New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525 (exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Form NPCA-99-B may still be used

Reorder Product #2581 • from CROWNMAX • 1-800-252-4011

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 _ Company Business License No. _________ _ Company Phone No. _ 386-755-3611 FHA/VA Case No. (if any) _ Section 2: Builder Information Southwestern Asustopers Company Phone No. _ Company Name: ___ Section 3: Property Information Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Type of Construction (More than one box may be checked) Slab ☐ Basement ☐ Crawl Other Approximate Depth of Footing: Outside _____/2_ Type of Fill _ Section 4: Treatment Information Date(s) of Treatment(s) _____/_-Brand Name of Product(s) Used Probe EPA Registration No. _________________ Approximate Final Mix Solution % ___ Linear ft. of Masonry Voids ___ Approximate Size of Treatment Area: Sq. ft. _ Linear ft. Approximate Total Gallons of Solution Applied _ Yes ☑ No Was treatment completed on exterior? Yes No upon Service Agreement Available? Zompletio Note: Some state laws require service agreements to be issued. This form does not preempt state law. Attachments (List) __ Comments _ 57100 Brannan Certification No. (if required by State law) Name of Applicator(s)_ 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 . Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)



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

August 1, 2005

Southeast Developers Group, Inc. 341 SW Ring Court, Suite 102 Lake City, Florida 32025

permit 23030

Attention:

Jake Kirsch

Reference:

Proposed Residence

Woodcrest, Block A, Lot 43 Columbia County, Florida Cal-Tech Project No. 05-338

Dear Mr. Kirsch,

Cal-Tech Testing, Inc. has completed a subsurface investigation and engineering evaluation of the site for a new residence to be constructed at the referenced location. Our work was authorized by you.

Introduction

We understand you will construct a single-story, wood frame residence with a plan area of approximately 1,700 square feet. Support for the residence is to be provided by masonry stem walls and conventional, shallow spread footings. Foundation loads have not been provided; however, we believe column and wall loads will not exceed 25 kips and 2 kips per foot, respectively.

The building site slopes moderately in a southeasterly direction and it appears about 3 to 4 feet of fill will be placed within the stem walls. Because of the slope of the site and the presence of standing water in the foundation cuts following a heavy rainfall, the suitability of the site was questioned by the building department.

The purposes of our investigation were to determine the general subsurface conditions at the site, to evaluate the suitability of the site, and to present recommendations for design and construction as appropriate.

Site Investigation

Subsurface conditions were investigated by performing two hand-auger borings advanced to depths of 6 and 7 feet. The borings were performed at the approximate locations indicated on the attached Boring Location Plan.

"Excellence in Engineering & Geoscience"

Hand-auger borings are performed by manually advancing a three-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are examined for soil type and color.

Findings

The soil borings generally encountered two soil strata. The first layer consists of about 1 foot of tannish gray sand.

The second layer consists of an undetermined thickness of generally tannish gray and orange, clayey sand (SC). Based upon a high resistance of penetration, these soils are believed to be at least medium dense below a depth of about 2.5 feet.

At the time of our investigation groundwater was encountered at depths of 2.4 and 1.5 feet at boring locations A-1 and A-2, respectively.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

Based upon our findings, it is our opinion the site is suitable for construction of the proposed residence and the use of conventional, shallow spread footings. However, we recommend the bottoms of these shallow foundations be embedded a minimum of 24 inches below the existing surface grade. Additionally, we recommend bearing soils be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet below the foundations. Suitable ground cover should be provided at the perimeter of the residence to reduce the potential of soil erosion. Further, the residence should be provided with storm gutters and downspouts. Storm water exiting downspouts should be piped away from foundation areas and directed toward the existing pond at the rear of the site.

Based upon elevations determined on site, the finished flood elevation is to be approximately 1.8 feet below the centerline of the adjacent roadway. Columbia County regulations require the finished floor to be a minimum of 1 foot above the roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

For this site the ground surface is at elevation 160 feet approximately. Based upon this elevation and the sites topography, flooding in very highly unlikely. For this site to flood, a very large portion of Columbia County would have to flood, and flood depths in some areas would be greater than 60 feet. Based upon this fact, it is our opinion elevating the finished floor to 1 foot above the adjacent roadway will not be

required. We recommend however the finished floor be at least 12 inches above the ground surface at the perimeter of the residence.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be or further assistance.

Respectfully submitted, Cal-Tech Testing, Inc.

enda Creamer

Linda Creamer President / C. E. O. John C. Dorman, Jr., Ph.D., P.E. Geotechnical Engineer

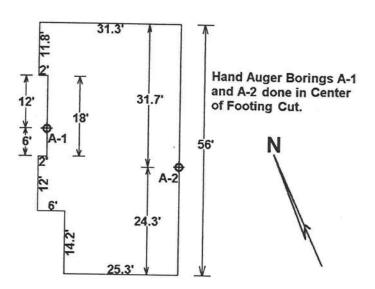
52612

Water Table: 2.4 ft.

Soil

Depth (ft) Description Light Tannish Grey Sand (SP) Light Greyish Tan and Orange, Slightly Clayey Sand (SC) Light Tannish Grey and Orange, Slightly Clayey Sand (SC) Light Greyish Tan, Slightly Clayey Sand (SC) Light Tannish Grey and Orange, Clayey Sand (SC)

Soil Depth (ft) Description 0 Light Tannish Grey Sand (SP) Light Grey and Orange, Slightly Clayey Sand (SC) Light Tannish Grey and Orange, Slightly Clayey Sand (SC) Light Grey and Tan, Clayey Sand (SC) Light Grey, Clayey Sand (SC)



Boring Logs and Location Plan: Woodcrest Block A, Lot 43



Cal-Tech Testing, Inc.

Engineering

 Geotechnical Environmental

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

August 1, 2005

Southeast Developers Group, Inc. 341 SW Ring Court, Suite 102 Lake City, Florida 32025

Attention:

Jake Kirsch

Reference:

Proposed Residence

Woodcrest, Block A, Lot 43 Columbia County, Florida Cal-Tech Project No. 05-338

Dear Mr. Kirsch,

Cal-Tech Testing, Inc. has completed a subsurface investigation and engineering evaluation of the site for a new residence to be constructed at the referenced location. Our work was authorized by you.

Introduction

We understand you will construct a single-story, wood frame residence with a plan area of approximately 1,700 square feet. Support for the residence is to be provided by masonry stem walls and conventional, shallow spread footings. Foundation loads have not been provided; however, we believe column and wall loads will not exceed 25 kips and 2 kips per foot, respectively.

The building site slopes moderately in a southeasterly direction and it appears about 3 to 4 feet of fill will be placed within the stem walls. Because of the slope of the site and the presence of standing water in the foundation cuts following a heavy rainfall, the suitability of the site was questioned by the building department.

The purposes of our investigation were to determine the general subsurface conditions at the site, to evaluate the suitability of the site, and to present recommendations for design and construction as appropriate.

Site Investigation

Subsurface conditions were investigated by performing two hand-auger borings advanced to depths of 6 and 7 feet. The borings were performed at the approximate locations indicated on the attached Boring Location Plan.

"Excellence in Engineering & Geoscience"

Hand-auger borings are performed by manually advancing a three-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are examined for soil type and color.

Findings

The soil borings generally encountered two soil strata. The first layer consists of about 1 foot of tannish gray sand.

The second layer consists of an undetermined thickness of generally tannish gray and orange, clayey sand (SC). Based upon a high resistance of penetration, these soils are believed to be at least medium dense below a depth of about 2.5 feet.

At the time of our investigation groundwater was encountered at depths of 2.4 and 1.5 feet at boring locations A-1 and A-2, respectively.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

Based upon our findings, it is our opinion the site is suitable for construction of the proposed residence and the use of conventional, shallow spread footings. However, we recommend the bottoms of these shallow foundations be embedded a minimum of 24 inches below the existing surface grade. Additionally, we recommend bearing soils be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet below the foundations. Suitable ground cover should be provided at the perimeter of the residence to reduce the potential of soil erosion. Further, the residence should be provided with storm gutters and downspouts. Storm water exiting downspouts should be piped away from foundation areas and directed toward the existing pond at the rear of the site.

Based upon elevations determined on site, the finished flood elevation is to be approximately 1.8 feet below the centerline of the adjacent roadway. Columbia County regulations require the finished floor to be a minimum of 1 foot above the roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

For this site the ground surface is at elevation 160 feet approximately. Based upon this elevation and the sites topography, flooding in very highly unlikely. For this site to flood, a very large portion of Columbia County would have to flood, and flood depths in some areas would be greater than 60 feet. Based upon this fact, it is our opinion elevating the finished floor to 1 foot above the adjacent roadway will not be

required. We recommend however the finished floor be at least 12 inches above the ground surface at the perimeter of the residence.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be or further assistance.

Respectfully submitted, Cal-Tech Testing, Inc.

enda Creamer

Linda Creamer President / C. E. O. John C. Dorman, Jr., Ph.D., P.E. Geotechnical Engineer

52612

Depth (ft)

0

5

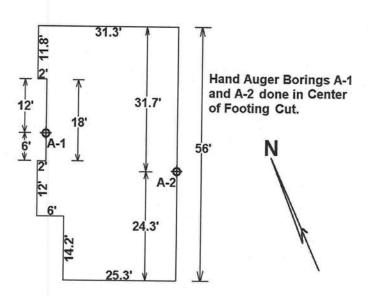
Soil

Description Light Tannish Grey Sand (SP)
Light Greyish Tan and Orange,
Slightly Clayey Sand (SC)
Light Tannish Grey and Orange,
Slightly Clayey Sand (SC)
Light Greyish Tan, Slightly
Clayey Sand (SC) Light Tannish Grey and Orange, Clayey Sand (SC)

Soil Depth (ft)

Description 0 Light Tannish Grey Sand (SP) Light Grey and Orange, Slightly Clayey Sand (SC) Light Tannish Grey and Orange, Slightly Clayey Sand (SC) Light Grey and Tan, Clayey Sand (SC)

Light Grey, Clayey Sand (SC)



Boring Logs and Location Plan: Woodcrest Block A, Lot 43

