DATE 06/27/2005

Columbia County Building Permit

PERMIT 000023327

This Permit Expires One Year From the Date of Issue

APPLICANT JONATHAN DEANS PHONE 386 935-0292

ADDRESS P.O. BOX 299 BRANFORD FL 32008

OWNER DEBORAH HALL PHONE 755-2585

ADDRESS 1064 SW SILOAM ST LAKE CITY FL 32024

CONTRACTOR JONATHAN DEANS PHONE 386 935-0292

LOCATION OF PROPERTY 247S, TR ON SILOAM ST., .9 MILES ON LEFT, FOLLOW DRIVE TO SITE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 77850.00

HEATED FLOOR AREA 1557.00 TOTAL AREA 2216.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 18

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 11-5S-15-00431-127 SUBDIVISION PINEWIND ESTATES

LOT 27 BLOCK PHASE UNIT TOTAL ACRES 4.00

000000719	N	CRC1326575		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT	05-0532-N	BK		Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1290

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by

Foundation ____ date/app. by

Monolithic ____ date/app. by (footer/Slab)

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 $ 390.00 CERTIFICATION FEE $ 11.08 SURCHARGE FEE $ 11.08

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

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ 25.00 **TOTAL FEE** 487.16

INSPECTORS OFFICE Gale 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.

1240

Columbia County Building Permit Application

487.16 Revised 9-23-04

For Office Use Only Application # 0605-37 Date Received 6/13/05 By JW Permit # 719/23327

Application Approved by - Zoning Official BLK Date 22.06.05 Plans Examiner OKJTH Date 6-16-05

Flood Zone X right Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments NO NOC

Applicants Name Jonathan Deans (J. Deans construction INC Phone 386-935-0292

Address Po. Box 299 Branford Fl 32008

Owners Name Deborah Hall Phone 755-2585

911 Address 1064 SW Siloam A. LAKE City. Fl 32024

Contractors Name Jonathan Deans Phone 386-935-0292

Address P.O. Box 299 Branford Fl 32008

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address MARK Disosway P.E. POB 868 Lake City Fl 32056

Mortgage Lenders Name & Address First Federal Savings Bank of Florida, 4705 w us90 Lake City

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy

Property ID Number 11-55-15-00431-127 Estimated Cost of Construction $115,000.

Subdivision Name Pine Wind Estates Lot 27 Block — Unit 1 Phase —

Driving Directions South on 247 to Siloam Rd. Make Right on to Siloam Rd. Go .9 miles Drive on Left. Follow Drive to House Site.

Type of Construction New Residence SFD Number of Existing Dwellings on Property 0

Total Acreage 4 Lot Size 256'X 680' Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 300' Side 100' Side 90.5' Rear 341'

Total Building Height 18'-6" Number of Stories 1 Heated Floor Area 1557 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT 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)

Contractor Signature

Contractors License Number CRC1326575

Competency Card Number —

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 13th day of June 2005

Personally known ____ or Produced Identification ✓

NOTARY PUBLIC-STATE OF FLORIDA Elizabeth Eberhardt Commission # DD425389 Expires: MAY 21, 2007 Bonded Thru Atlantic Bonding Co., Inc.

Elizabeth Eberhardt

Notary Signature

File Copy

Columbia County Property Appraiser

DB Last Updated: 4/4/2005

2005 Proposed Values

Parcel: 11-5S-15-00431-127

Tax Record Property Card Interactive GIS Map Print

<< Prev Search Result: 17 of 106 Next >>

Owner & Property Info

Owner's Name	HALL DEBORAH J
Site Address	PINE WINE ESTATES
Mailing Address	348 DELAR GLEN LAKE CITY, FL 320555369
Brief Legal	LOT 27 PINE WIND ESTATES S/D UNIT 1. ORB 661-272, 712-507, 816-768, 956-1892.

Use Desc. (code)	VACANT (000000)
Neighborhood	11515.01
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	0.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$15,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$15,000.00

Just Value	$15,000.00
Class Value	$0.00
Assessed Value	$15,000.00
Exempt Value	$0.00
Total Taxable Value	$15,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
3/7/2005	1039/2893	WD	V	Q		$18,000.00
6/28/2002	956/1892	QC	V	U	01	$100.00
4/17/1988	661/272	AG	V	U		$10,995.00

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 - (.000AC)	1.00/1.00/1.00/1.00	$15,000.00	$15,000.00

Columbia County Property Appraiser

DB Last Updated: 4/4/2005

<< Prev 17 of 106 Next >>

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-2949
PHONE: (386) 752-1125 * 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: June 3, 2005

ENHANCED 9-1-1 ADDRESS:

1064 SW SILOAM ST (LAKE CITY, FL 32024)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER MAP SHEET NUMBER: 10

PROPERTY APPRAISER PARCEL NUMBER: 11-5S-15-00431-127

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 27 PINE WIND ESTATES S/D UNIT 1

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

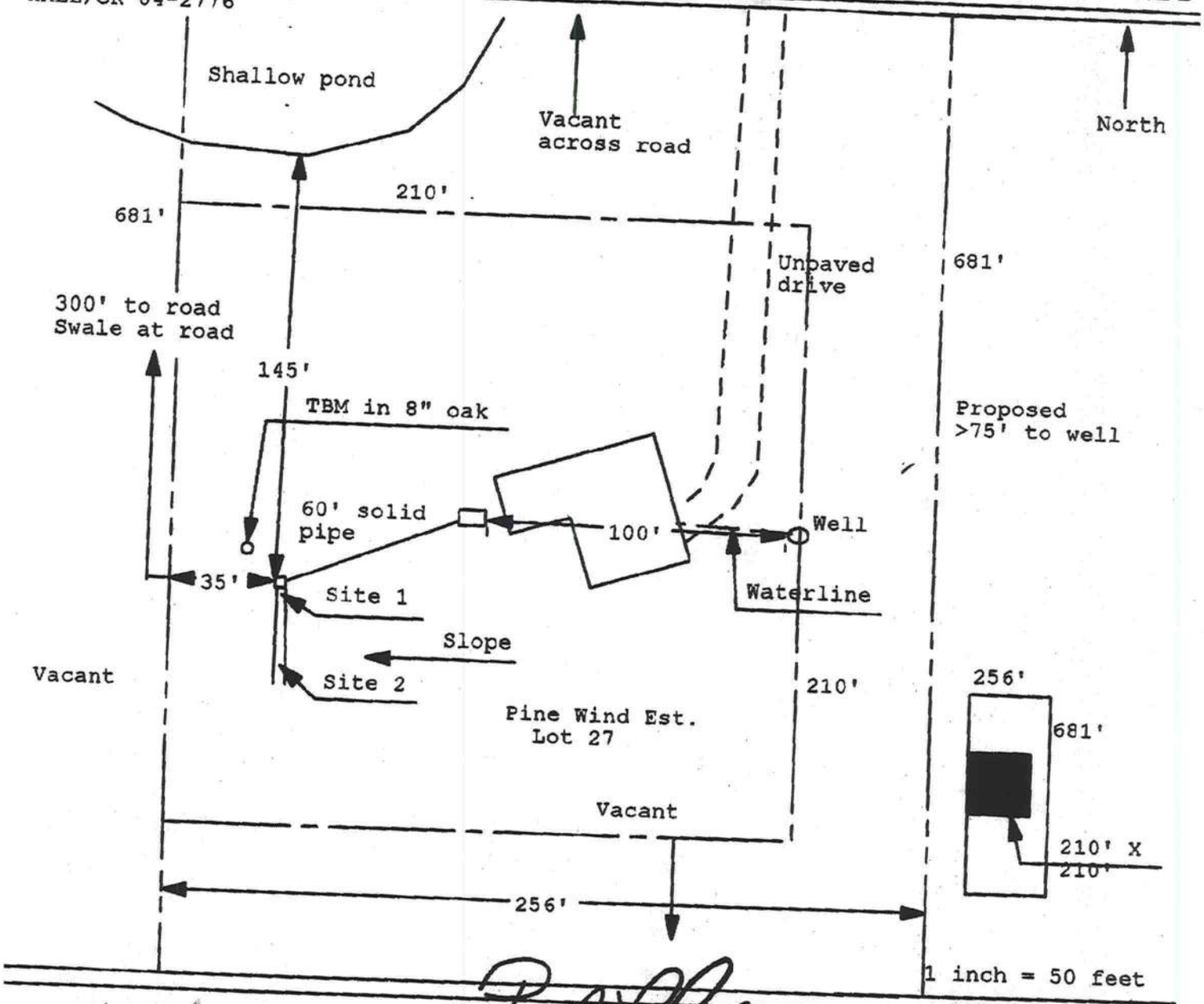
COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

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

Permit Application Number: 05-0532-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HALL/CR 04-2776



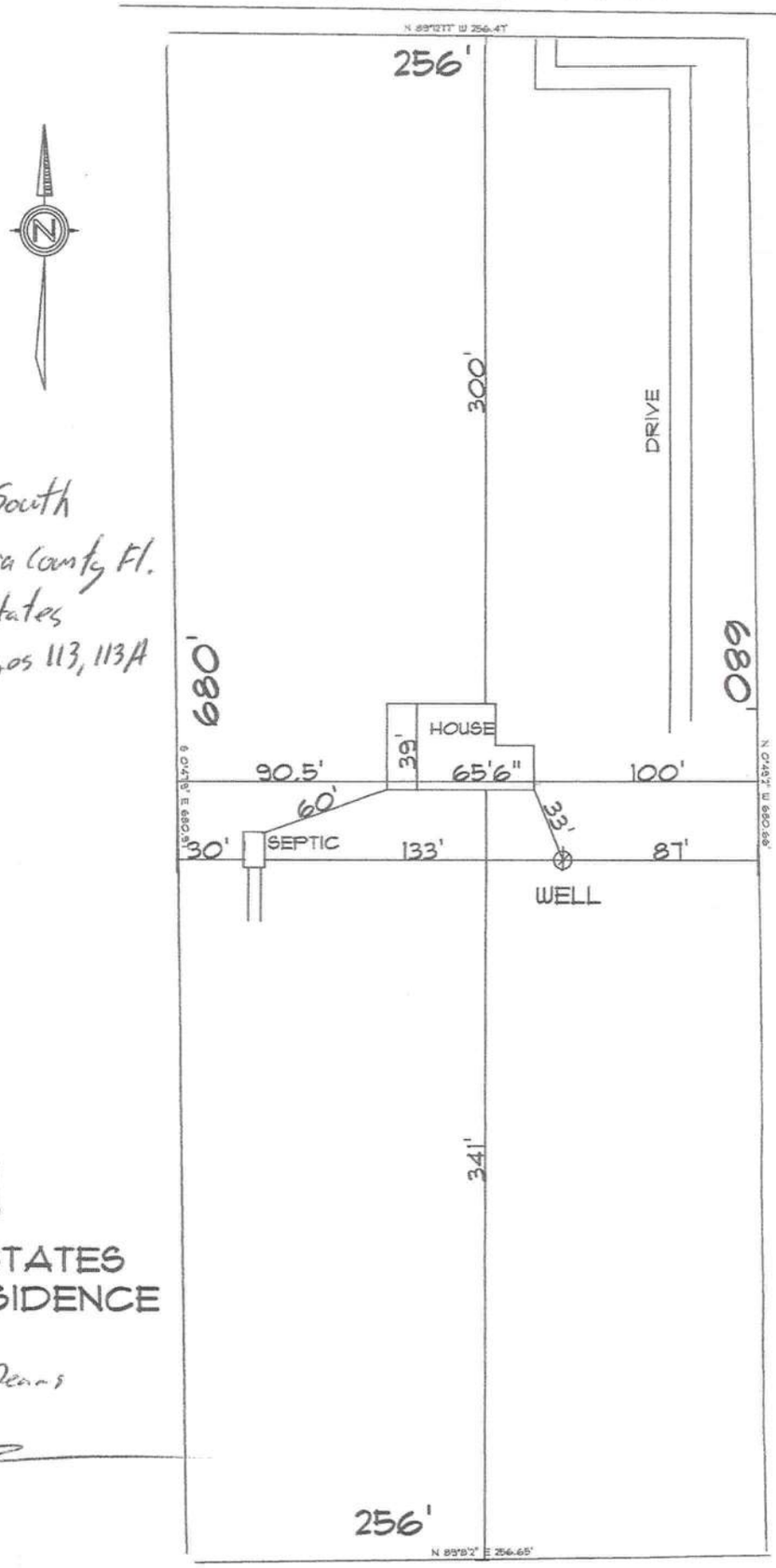
Site Plan Submitted By Paul Lloyd Date 4/22/05

Plan Approved ✓ Not Approved ___ Date 5-18-05

By [signature] Columbia CPHU

Notes: See attached

SW SILOAM STREET



Section 11, Township 5 South
Range 15 East. Columbia County Fl.
Lot 27 of Pine wind estates
Unit No. 1 Book 5 Pages 113, 113A
Of Public Records.

SITE PLAN

LOT 27 PINE WIND ESTATES
DEBORAH HALL RESIDENCE

Drawn By Jon Deans

Sheffield's Hardware

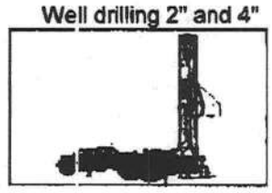
"Servicing what we sell"

Pump sales and service

Bobby Sheffield
State of Florida License #1797
Chester Sheffield Lic No 2665
50 North Main St.
High Springs, FL
32643

Phone: (386) 454-2200
Fax: (386) 454-9865(~~work~~)
0605

Well drilling 2" and 4"



WATER WELL PRICE QUOTE

Date: 5-23-05

Prepared for: Dean's Construction (John Dean)

Total price for package: $ 2750.00 up to 100' & $10.00 per each additional ft.

Package includes:

* 1hp, stainless steel, Sta-Rite Signature 2000, 4-wire, pump
* VIP Sta-Rite control box
* ✓ gal., Pro Source Plus Premium, pressurized, steel, Sta-Rite tank
* Required state well permit SR85-25 Fiberwound Sta-Rite Signature 2000 Tank
* 5 year warranty (except lightning damage, excludes labor)

88

Comments: Please feel free to contact us at the above number for additional information. Thank you for considering us for your water well needs.

Bobby Sheffield
Chester Sheffield

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	506021JDeansConstructionHall;DeborahResidence	Builder:	
Address:	Lot: 27, Sub: Pine Wind Estat, Plat:	Permitting Office:	Columbia
City, State:	, FL	Permit Number:	23327
Owner:	Hall Deborah	Jurisdiction Number:	221000
Climate Zone:	North		

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)		1557 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	120.5 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, 183.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1070.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 156.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1557.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 163.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 28.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 28.0 kBtu/hr	
	HSPF: 7.60	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.89	
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)		

Glass/Floor Area: 0.08

Total as-built points: 21582
Total base points: 24786

PASS

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

PREPARED BY: Ben Sparks

DATE: 6/7/05 Ben Sparks

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

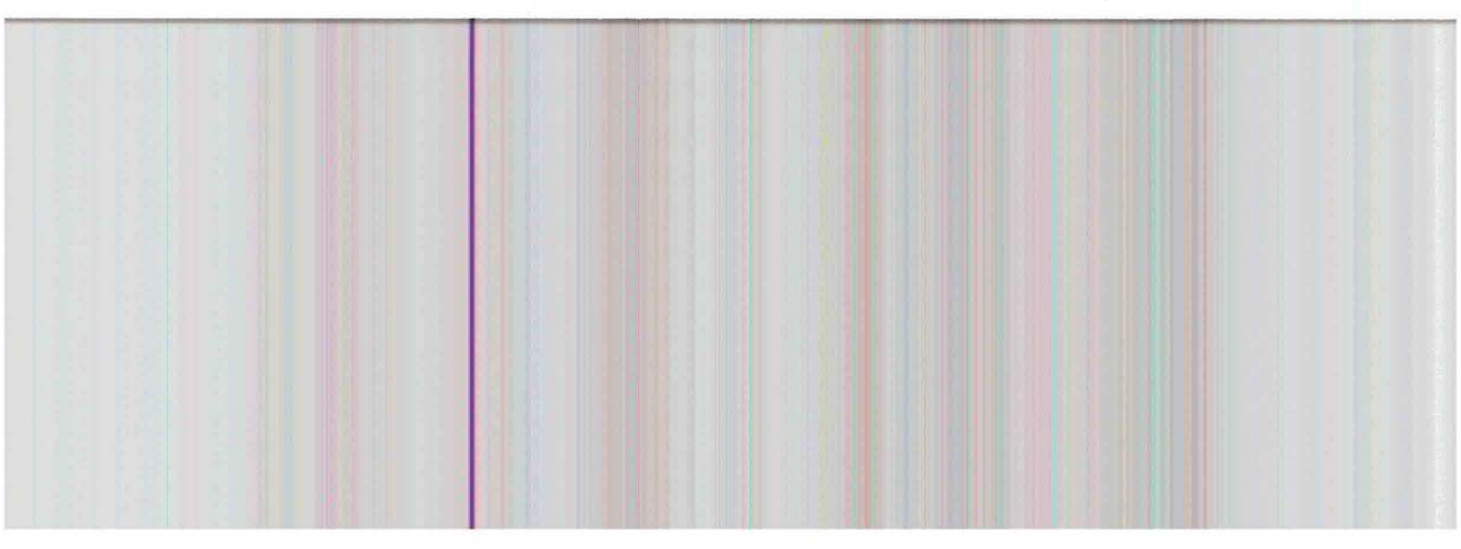
DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	**1557.0**	**20.04**	**5616.4**	Double, Clear	N	1.5	8.0	40.0	19.20	0.97	742.9	
				Double, Clear	E	0.0	0.0	8.0	42.06	1.00	336.5	
				Double, Clear	S	0.0	0.0	30.0	35.87	1.00	1076.0	
				Double, Clear	S	10.5	3.0	2.0	35.87	0.43	31.0	
				Double, Clear	S	7.2	3.5	10.5	35.87	0.45	169.4	
				Double, Clear	S	7.2	5.5	30.0	35.87	0.49	523.0	
				As-Built Total:				**120.5**			**2878.8**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	156.0	0.70	109.2	Frame, Wood, Exterior			13.0	1070.0	1.50		1605.0	
Exterior	1070.0	1.70	1819.0	Frame, Wood, Adjacent			13.0	156.0	0.60		93.6	
Base Total:	**1226.0**		**1928.2**	**As-Built Total:**				**1226.0**			**1698.6**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	2.40	48.0	Exterior Insulated				40.0	4.10		164.0	
Exterior	58.0	6.10	353.8	Exterior Insulated				18.0	4.10		73.8	
				Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**78.0**		**401.8**	**As-Built Total:**				**78.0**			**269.8**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1557.0	1.73	2693.6	Under Attic			30.0	1557.0	1.73 X 1.00		2693.6	
Base Total:	**1557.0**		**2693.6**	**As-Built Total:**				**1557.0**			**2693.6**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	183.0(p)	-37.0	-6771.0	Slab-On-Grade Edge Insulation			0.0	183.0(p	-41.20		-7539.6	
Raised	0.0	0.00	0.0									
Base Total:			**-6771.0**	**As-Built Total:**				**183.0**			**-7539.6**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1557.0	10.21	15897.0					1557.0	10.21		15897.0	



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

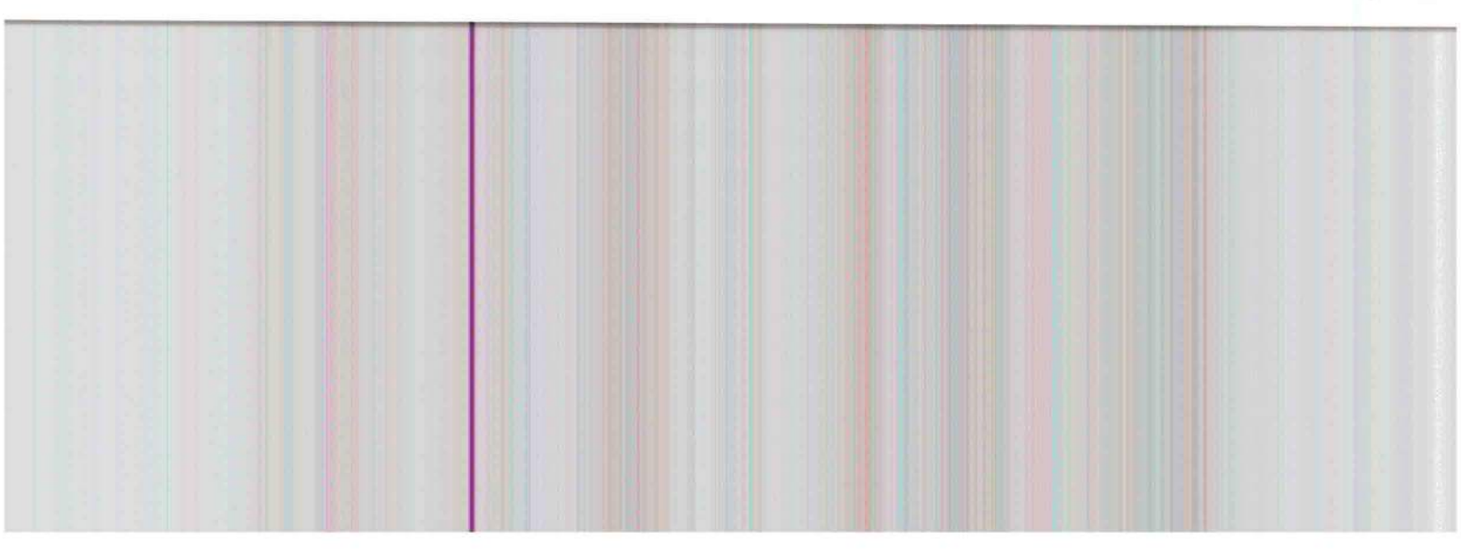
BASE				AS-BUILT						
Summer Base Points:			**19766.0**	**Summer As-Built Points:**						**15898.1**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
19766.0	**0.4266**	**8432.2**		15898.1 **15898.1**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.284 **0.284**	1.000 **1.000**	5653.2 **5653.2**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	**1557.0**	**12.74**	**3570.5**	Double, Clear	N	1.5	8.0	40.0	24.58	1.00	984.0	
				Double, Clear	E	0.0	0.0	8.0	18.79	1.00	150.3	
				Double, Clear	S	0.0	0.0	30.0	13.30	1.00	398.9	
				Double, Clear	S	10.5	3.0	2.0	13.30	3.66	97.3	
				Double, Clear	S	7.2	3.5	10.5	13.30	3.52	490.8	
				Double, Clear	S	7.2	5.5	30.0	13.30	3.13	1247.2	
				As-Built Total:				**120.5**			**3368.5**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	156.0	3.60	561.6	Frame, Wood, Exterior			13.0	1070.0	3.40		3638.0	
Exterior	1070.0	3.70	3959.0	Frame, Wood, Adjacent			13.0	156.0	3.30		514.8	
Base Total:	**1226.0**		**4520.6**	**As-Built Total:**				**1226.0**			**4152.8**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	20.0	11.50	230.0	Exterior Insulated				40.0	8.40		336.0	
Exterior	58.0	12.30	713.4	Exterior Insulated				18.0	8.40		151.2	
				Adjacent Insulated				20.0	8.00		160.0	
Base Total:	**78.0**		**943.4**	**As-Built Total:**				**78.0**			**647.2**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1557.0	2.05	3191.8	Under Attic			30.0	1557.0	2.05 X	1.00	3191.8	
Base Total:	**1557.0**		**3191.8**	**As-Built Total:**				**1557.0**			**3191.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	183.0(p)	8.9	1628.7	Slab-On-Grade Edge Insulation			0.0	183.0(p	18.80		3440.4	
Raised	0.0	0.00	0.0									
Base Total:			**1628.7**	**As-Built Total:**				**183.0**			**3440.4**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1557.0	-0.59	-918.6					1557.0	-0.59		-918.6	

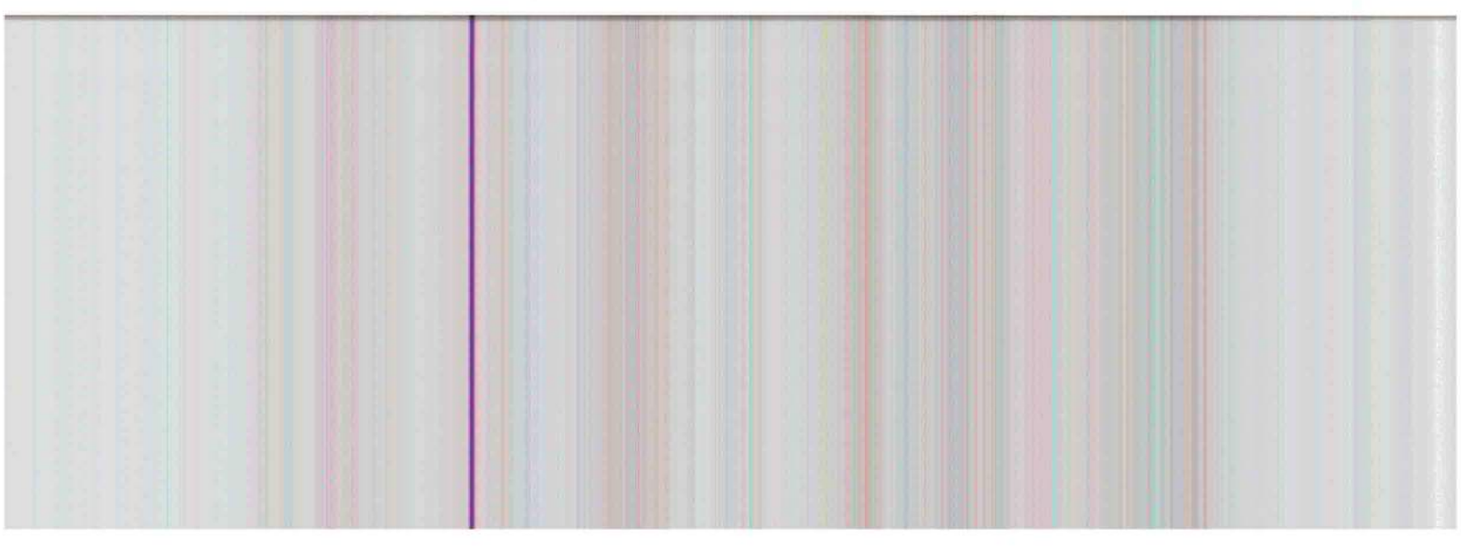


WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**12936.4**	**Winter As-Built Points:**						**13882.2**
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	
12936.4	**0.6274**	**8116.3**	13882.2 **13882.2**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.449 **0.449**	1.000 **1.000**	7783.8 **7783.8**	



WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.89	3	1.00	2715.15	1.00	8145.4	
				As-Built Total:							**8145.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8432	**8116**	**8238**	**24786**	**5653**	**7784**	**8145**	**21582**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

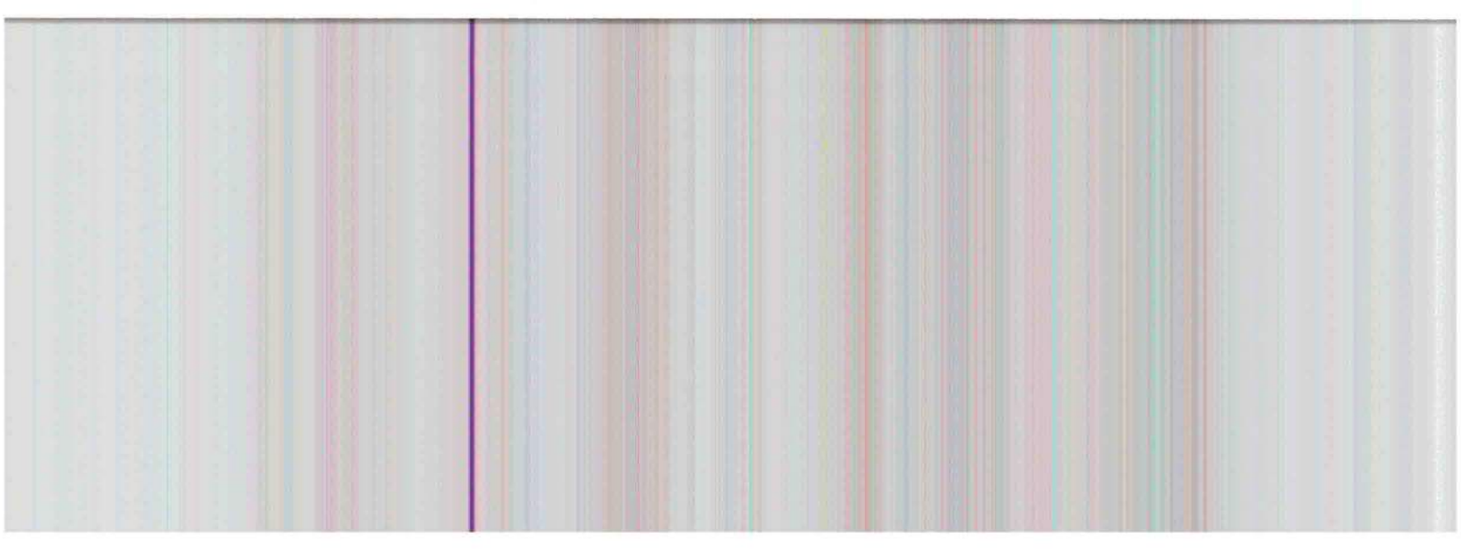
ADDRESS: **Lot: 27, Sub: Pine Wind Estat, Plat: , , FL,** PERMIT #:

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* = 85.4

The higher the score, the more efficient the home.

Hall Deborah, Lot: 27, Sub: Pine Wind Estat, Plat: , , 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)		1557 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	120.5 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, 183.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1070.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 156.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1557.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 163.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 28.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 28.0 kBtu/hr	
	HSPF: 7.60	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.89	
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 at 850/488-1824.

EnergyGauge® (Version: FLR2PB v3.4)

0605-37

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

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

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

May 19, 2005

J. Deans Construction, Inc.
P. O. Box 299
Branford, Florida 32008

Attention: Jon Deans

Reference: Proposed Hall Residence
Lot 27, Pine Wind Estates
Siloam Road, Columbia County, Florida
Cal-Tech Project No. 05-060

Dear Mr. Deans,

Cal-Tech Testing, Inc. has determined the elevation of the building pad for the proposed residence relative to the elevation of the centerline of Siloam Road adjacent the site.

The surface of the building pad was determined to be 1.01 feet above the roadway, and we understand the floor slab will be a minimum of 4 inches above the building pad. This slab elevation should therefore be at least 1.34 feet above the roadway and meet the requirements of Columbia County Ordinance No. 2003-23.

For reference a small nail was driven into the base of a small oak near the northeast corner of the building pad. This temporary benchmark is at an elevation 1.63 feet above the roadway. We recommend the finished floor elevation be no more than 4 inches below the elevation of the temporary benchmark. This will place the finished floor elevation approximately 1.3 feet above the roadway.

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.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

5/19/05
5 2612

"Excellence in Engineering & Geoscience"

POC

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Inst:2005011286 Date:05/12/2005 Time:15:20
MK DC,P.DeWitt Cason,Columbia County B:1045 P:2996

PERMIT NO._____ TAX FOLIO NO._____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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 27, PINE WIND ESTAES, UNIT 1, ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 113-113A, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

2. General description of improvement: **Construction of Dwelling**

3. Owner information:
   a. Name and address: DEBORAH J. HALL
   348 NW DELAR GLEN, LAKE CITY, FL 32055

   b. Interest in property: **Fee Simple**

   c. Name and address of fee simple title holder (if other than Owner): **NONE**

4. Contractor (name and address): J. DEANS CONSTRUCTION, INC.
   7151 290th Street, P.O. Box 299, Branford, FL 32008

5. Surety:
   a. Name and address: _____

   b. Amount of bond: _____

6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
   4705 WEST U.S. HIGHWAY 90
   P. O. BOX 2029
   LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

8. In addition to himself, Owner designates **PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056** to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

x Deborah J. Hall
Borrower Name

_____
Co-Borrower Name

The foregoing instrument was acknowledged before me this 11th day of MAY, 2005, by DEBORAH J. HALL, who is personally known to me or who has produced driver's license for identification.

Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Martha Bryan
Notary Public
My Commission Expires:

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000719

DATE 06/27/2005 PARCEL ID # 11-5S-15-00431-127

APPLICANT JONATHAN DEANS PHONE 386 935-0292

ADDRESS P.O. BOX 299 BRANFORD FL 32008

OWNER DEBORAH HALL PHONE 755-2585

ADDRESS 1064 SW SILOAM ST LAKE CITY FL 32024

CONTRACTOR JONATAN DEANS PHONE 386 935-0292

LOCATION OF PROPERTY 247S, TR ON SILOAM ROAD, .9 MILES ON LEFT, FOLLOW DRIVE TO SITE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PINEWIND ESTATES 27

SIGNATURE X

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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 GATEWAY TO FLORIDA

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.

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: J. Dean Tonyt Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 1064 S.W. S. Loop St. Lake City, FL 32024

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 0 Inside 0 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 4.9.05
Brand Name of Product(s) Used Surrender
EPA Registration No. 70407-7-53883
Approximate Final Mix Solution % 0.5 %
Approximate Size of Treatment Area: Sq. ft. 2716 Linear ft. 0 Linear ft. of Masonry Voids 0
Approximate Total Gallons of Solution Applied 230
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 4.9.05

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)

UNIVERSAL
ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: J Dean Const. (Columbia Co.) Permit #000023327

PROJECT: Res. (1064 S.W. Stream St.)

AREA TESTED: Fill & prep bldg pad & found.

COURSE: F/G DEPTH OF TEST: 0-1

TYPE OF TEST: ASTMD 2922 DATE TESTED: 8-9-05

NOTE: The below tests (DO)/~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		112.6			11.3
App cntr of E ½ of pad	107.3	↓	95.3	11.3	↓
App cntr of W. ½ of pad	107.0	↓	95.0	10.9	↓
App cntr of N. found.	107.1	↓	95.1	11.0	↓

4404

TECH. DM

+53.27

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

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

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

August 15, 2005

J. Deans Construction, Inc.
P. O. Box 299
Branford, Florida 32008

Attention: Jon Deans

Reference: Proposed Hall Residence
Lot 27, Pine Wind Estates
Siloam Road, Columbia County, Florida
Cal-Tech Project No. 05-393

Dear Mr. Deans,

Cal-Tech Testing, Inc. has completed the investigation and engineering evaluation of subsurface conditions adjacent a residence currently under construction at the referenced location in Columbia County, Florida. This site was investigated previously. The purpose of the current investigation was to verify suitable subsurface conditions exist.

Site Investigation

The building site was investigated by performing two (2) Dynamic Cone Penetration Tests with hand-auger borings advanced to depths of 5 and 7 feet. The borings were performed at the approximate locations indicated on the attached Location Plan. These locations were selected by Cal-Tech Testing, Inc.,

The dynamic cone penetration test is performed by driving a standard 60 degree cone into the soil by blows from a 15-pound slide-hammer falling 20 inches. The number of blows required to advance the cone 1.75 inches is designated the dynamic cone penetration resistance. This value can be correlated to N-values of the Standard Penetration Test and is an index of soil density or consistency.

Hand-auger borings are performed by manually advancing a 3-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 three soil strata. The first layer consists of about 4 feet of loose to medium dense, tannish gray sand (SP). The equivalent N-values of this layer range from 7 to 18 blows per foot.

The second layer consists of about 1 foot of loose to medium dense, tannish gray or gray and orange, clayey sand (SC). The equivalent N-values of this layer range from 8 to 11 blows per foot.

The third layer consists of an undetermined thickness of stiff to very stiff, gray and orange, sandy clay (CL). Equivalent N-values of this layer range from 9 to 16 blows per foot.

Groundwater was not encountered at the time of our investigation.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion

Based upon our findings, it is our opinion the site soils are suitable to provide support for the proposed residence. Unsuitable soils were not encountered, and it appears the bearing soils were properly prepared.

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.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

8/15/05
52612

B-1

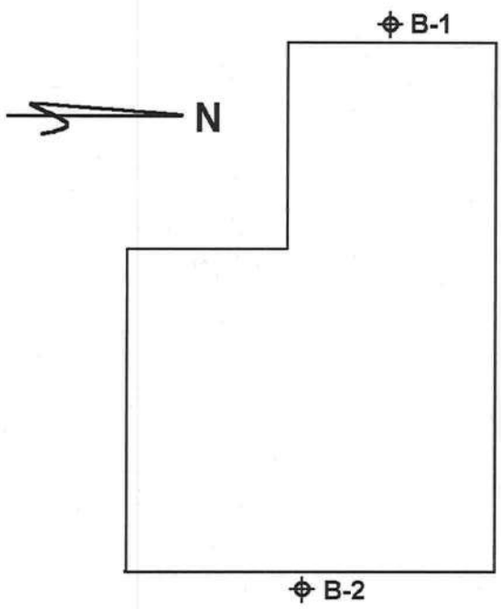
Water Table: N/A

Depth (ft)	Equivalent N-Value	Soil Description
0	11	Medium Dense, Light Tannish Gray SAND (SP)
	7	Loose to Medium Dense, Tannish Gray SAND (SP)
	13	
	13	Medium Dense, Orangish Gray SAND, Trace Clay (SP)
5	11	Medium Dense, Tan, Gray and Orange, CLAYEY SAND (SC)

B-2

Water Table: N/A

Depth (ft)	Equivalent N-Value	Soil Description
0	11	Medium Dense, Tannish Gray SAND (SP)
	14	Medium Dense, Light Tannish Gray SAND (SP)
	18	
	11	Medium Dense, Light Gray SAND (SP)
	8	Loose, Tannish Gray, CLAYEY SAND (SC)
5	9	Stiff to Very Stiff, Gray and Orange, SANDY CLAY (CL)
	16	



Boring Logs and Location Plan: Proposed Residence
Siloam Road
Columbia County, Florida

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

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

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

February 9, 2005
Revised: February 17, 2005

Carolyn Heights water Co.
755-7022

J. Deans Construction, Inc.
P. O. Box 299
Branford, Florida 32008

Attention: Jon Deans

Reference: Proposed Residence
Siloan Street
Columbia County, Florida
Cal-Tech Project No. 05-060

Dear Mr. Deans,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a new home to be constructed near Siloan Street in Columbia County, Florida. Our work was authorized by you.

Introduction

We understand you will construct a single-story, wood frame residence with a plan area of approximately 2,400 square feet. Support for the residence is to be provided by a monolithic foundation. Anticipated foundation loads and proposed grading were not provided; however, we assume column and wall loads will not exceed 15 kips and 1.5 kips per foot, respectively. We assume the finished floor elevation will be 1.0 to 1.5 feet above the existing surface grade.

The purposes of our investigation were to determine the general subsurface conditions at the site, and to provide recommendations for foundation design and construction.

Site Investigation

The subsurface conditions were investigated by performing four (4) hand-auger borings advanced to depths of 7 feet. Approximate boring locations are indicated on the attached drawing. These locations were selected by Cal-Tech Testing, Inc., and the proposed building limits were staked on site.

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 three soil strata. The first layer consists of 0.5 to 5.0 feet of gray or tannish gray sand (SP) or sand with silt (SP/SM).

The second layer consists of 1.5 to 4.5 feet of gray, tannish orange or gray, orange and red, clayey sand (SC).

The third layer consists of an undetermined thickness of generally gray, orange and red, very sandy clay (CL) or sandy clay (CH).

Groundwater was not encountered at any boring location at the time of our investigation.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs.

Discussion and Recommendations

Clay soils that we believe are active were encountered below a depth of about 4.5 feet at boring location HA-2. Active soils shrink or swell with changes in their moisture content, and these volume changes can cause detrimental foundation or floor slab movements. Subsurface moisture conditions change seasonally with changes in rainfall and other factors; however, it is not certain moisture conditions within the active soils at this site will change and cause foundation or slab movement. It is likewise not certain moisture conditions in the active soils at this site will remain essentially the same such that no movements will occur.

The local standard-of-care for using shallow spread footings or monolithic foundations over active clay soils is to provide separation, generally about 4 feet, between the active soils and the bottoms of the foundations. Providing this separation is typically accomplished by excavation and replacement of the active soils, or by fill placement to raise the site, or by some combination of these methods.

If possible, we recommend selecting an alternative site for the residence, say about 20 feet to the north, to avoid active clay soils near the bottoms of the foundations. Alternatively, we recommend the site be raised 1 to 1.5 feet in order to provide more separation between the bottoms of the foundations and the active soils that are present. If neither of these options is practical, the residence may be placed at the current location. If site remediation is not performed, there will be some risk of foundation or slab movement due to shrinking or swelling of the active clay soils. However, should the current site be used and not raised, we recommend active clay soils be excavated

and replaced to a depth of 4 feet below the bottoms of the foundations. We believe excavation and replacement will be required only near the southeast corner of the building site; however, other areas not investigated by performing soil borings may also contain active clay soils that will need to be removed. In areas that require removal of clay soils, the lateral limits of excavation and replacement should extend a minimum of 2 feet beyond the edges of the foundations. We believe excavation and replacement of clay soils below the floor slab will not be required.

Although some removal and replacement of clay soils will be required if the current placement is used, it is our opinion the residence can be supported by the proposed monolithic foundation. Thickened edges and sections should be sized to exert a maximum soil bearing pressure of 2,000 pounds per square foot and be embedded a minimum of 14 inches below the finished surface grade.

Standard Penetration Test borings to determine density and/or consistency of the existing site soils were not performed; however, we believe the site soils, when compacted, will be suitable to provide support for the structure. However, we recommend thorough proof-rolling and proof-compaction of the bearing soils since their in-place density was not determined.

To prepare this site, the building limits and at least 4 feet beyond should be stripped of grass, roots and other deleterious materials. Excavation should then be performed as required to remove active clay soils and to establish the appropriate site grading. Clean, sandy soils should be stockpiled for later use as fill. Replacement soils should then be placed and compacted.

The foundation and floor slab areas should then be proof-rolled with heavy rubber-tired equipment (a large, loaded, front-end loader, for example). Proof rolling helps to compact the bearing soils and to locate zones of especially loose or soft soil not encountered in the soil test borings. Such zones should be undercut and back-filled or otherwise treated as directed by the geotechnical engineer.

The subgrade should then be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet in foundation areas and to a depth of 1 foot in floor slab areas.

Fill to raise the site can be placed as required. Replacement soils and/or fill should consist of relatively clean, fine sand containing less than 10% passing the No. 200 sieve. These soils should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density. Foundation cuts may be placed in compacted fill, but disturbed fill materials should be recompacted prior to placement of the foundations and slabs.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

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.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 2/17/05
52612

HA-1

Water Table: N/A

Depth (ft)	Soil Description
0	Tannish Gray SAND with SILT (SP/SM)
	Light Tannish Gray SAND (SP)
	Light Gray to White SAND (SP)
5	Grayish Tan SAND (SP)
	Gray and Orange, CLAYEY SAND (SC)
	Gray, SLIGHTLY CLAYEY SAND (SC)

HA-2

Water Table: N/A

Depth (ft)	Soil Description
0	Tannish Gray SAND with SILT (SP/SM)
	Tannish Orange, CLAYEY SAND (SC)
	Gray, Orange and Red, VERY SANDY CLAY (CL)
5	Gray, Red and Orange, SANDY CLAY (CL)
	Gray and Red, SANDY CLAY (CL)

HA-3

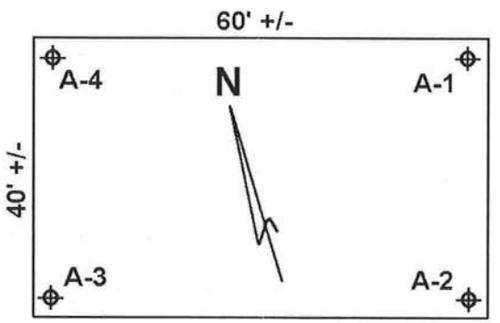
Water Table: N/A

Depth (ft)	Soil Description
0	Gray SAND with SILT (SP/SM)
	Tannish Orange, CLAYEY SAND (SC)
	Gray, Orange and Red, CLAYEY SAND (SC)
	Gray, Red and Orange, CLAYEY SAND (SC)
5	Gray and Red, VERY SANDY CLAY (CL)

HA-4

Water Table: N/A

Depth (ft)	Soil Description
0	Gray SAND with SILT (SP/SM)
	Tannish Gray SAND with SILT (SP/SM)
	Tannish Orange, CLAYEY SAND (SC)
	Gray, Orange and Red, CLAYEY SAND (SC)
5	Gray, Red and Orange, VERY SANDY CLAY (CL)



Boring Logs: Proposed Residence
Siloan Street ,
Columbia County, Florida

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

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

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

SUMMARY OF LABORATORY TEST RESULTS

PROJECT: Proposed Residence
Siloan Street
CLIENT: J. Deans Construction

JOB NO.: 05-060
REPORT NO.: 1
DATE: 02/08/05

BORING NO.	SAMPLE DEPTH (ft.)	SOIL DESCRIPTION	SAMPLE TYPE*	NATURAL MOISTURE (%)	ATTERBERG LIMITS		COEFFICIENT OF PERMEABILITY (feet/day)	SIEVE ANALYSIS (% passing)						AASHTO SOIL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION
					LIQUID LIMIT (%)	PLASTICITY INDEX (%)		No.4	No.10	No. 40	No. 60	No.100	No. 200		
HA-2	3	Gray, Orange and Red, Very Sandy Clay			34.8	17.6		100	100	99.6	95.5	73.8	50.4		CL
HA-2	5	Gray, Orange and Red, Sandy Clay						100	99.8	99.0	95.4	77.5	67.3		CH
HA-2	6.5	Gray and Red, Sandy Clay						100	100	99.9	96.8	80.5	75.1		CH
HA-3	6	Gray and Red, Very Sandy Clay						100	100	99.8	95.4	69.7	51.7		CL

*SS- Split Spoon
ST- Shelby Tube
A- Auger

Reviewed By: 2/9/05
52612

"Excellence in Engineering & Geoscience"

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

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

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

September 12, 2005

J. Deans Construction, Inc.
P. O. Box 299
Branford, Florida 32008

Attention: Jon Deans

Reference: Proposed Hall Residence, Lot 27, Pine Wind Estates
Siloam Street, Columbia County, Florida
Cal-Tech Project No. 05-393

Dear Mr. Deans,

At your request, Cal-Tech Testing, Inc. has performed an investigation and engineering evaluation of the finished floor elevation of the residence currently under construction at the referenced location in Columbia County, Florida.

Columbia County regulations require the finished floor elevation of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding. The existing finished floor for the residence is approximately 8 inches above the adjacent roadway.

With reference to the "Florida Department of Transportation" benchmark "49 CMP" located near the southwest corner of section 10, township 5 south, range 15 east, Suwannee County, Florida, the finished floor elevation of the residence was determined to be 89.02 feet. Based upon site topography and U.S.G.S. quadrangle maps for both Columbia and Suwannee Counties, the maximum flood elevation that can occur at the site is approximately 86.5 feet. This maximum flood elevation is approximately 2.5 feet below the finished floor elevation; therefore, flooding of the residence is very highly unlikely. We recommend the existing finished floor elevation be used without change.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please contact us if you have questions.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 9/12/05

"Excellence in Engineering & Geoscience"

CERTIFICATE OF 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 11-5S-15-00431-127 Building permit No. 000023327

Use Classification SFD,UTILITY Fire: 59.20

Permit Holder JONATHAN DEANS Waste: 122.50

Owner of Building DEBORAH HALL Total: 181.70

Location: 1064 SW SILOAM ST(PINEWIND EST. LOT 27)

Date: 12/20/2005

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)