

CAROL CHADWICK, P.E.

Civil Engineer

1208 S.W. Fairfax Glen

Lake City, FL 32025

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October 10, 2023

Albert Christie

209 SE 10th Street

Steinhatchee, FL 32359

tides2897@gmail.com

re: ENGINEER'S CERTIFICATION – PARCEL 04-75-17-09891-007, LAKE CITY, FL

As requested, a foundation plan for the mobile home to be installed at the above reference property is attached. Per the NRCS web soil map, the majority of the soils on this site are classified as SM and SP with a presumptive load-bearing pressure of 2,000 pounds per square foot. Diagonal tie-downs shall have a maximum spacing of 5'-4" on center with anchors placed within two feet of each end or approved equal. Blocking and tie-downs shall be installed per Florida Building Code, 2017, HUD requirements and Department of Highway Safety and Motor Vehicles, Division of Motor Vehicles, Chapter 15C-1.

This structure was originally used as a modular building for public use. The use of the structure will be changed to residential. The egress windows in the bedrooms have a clear opening that meets the requirements for egress per the FBC, 2020.

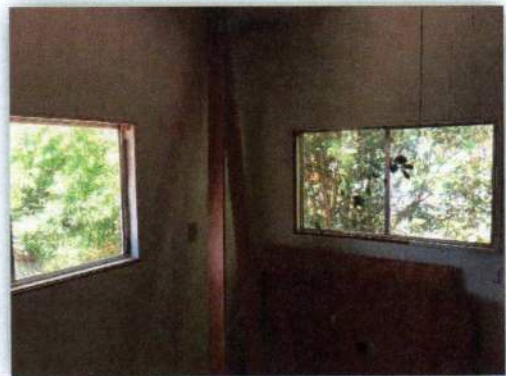
Should you have any questions, please don't hesitate to contact me.

Respectfully,

Carol Chadwick, P.E.



Digitally signed by
Carol Chadwick
DN: c=US,
o=Florida,
dnQualifier=A0141
0D0000017EB6D9
24CE0005954C,
cn=Carol
Chadwick
Date: 2023.10.10
20:34:52 -04'00'



cc: Troy Crews, Columbia County Building Department

attachments: Foundation Plan, Columbia County Appraiser property page, NRCS Soils Map & NRCS Engineering Properties

CC Job #FL19029

CAROL CHADWICK, P.E.

Civil Engineer

1208 S.W. Fairfax Glen

Lake City, FL 32025

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April 25, 2019

Albert Christie

209 SE 10th Street

Steinhatchee, FL 32359

tides2897@gmail.com

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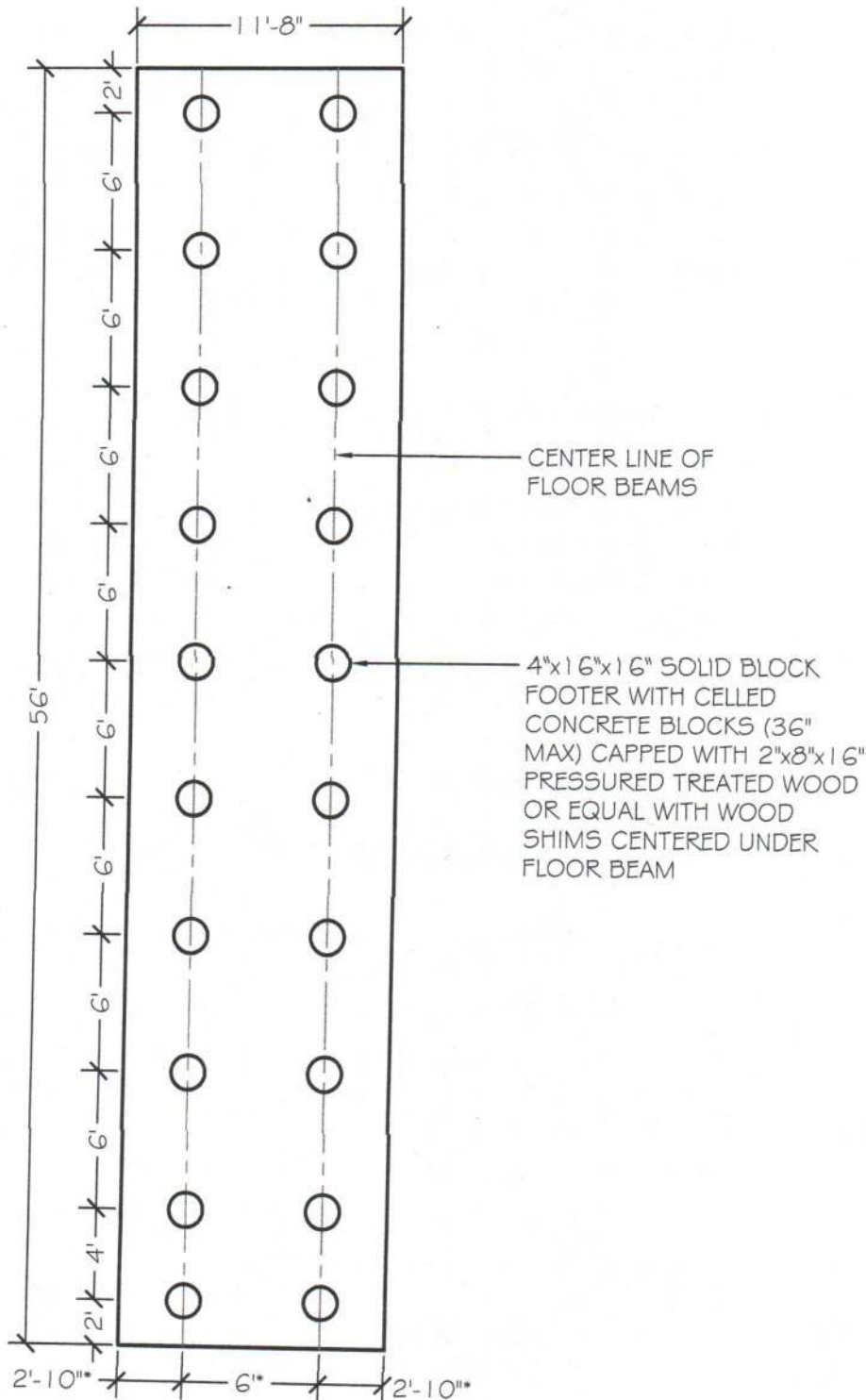
Carol Chadwick, P.E.



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CC Job #FL19029



FOUNDATION PLAN

*NOTE: VERIFY BEAM WIDTHS & LOCATIONS WITH HOME.

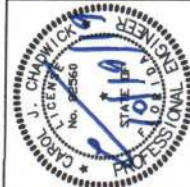
TIE-DOWNS SPECIFICATIONS: IN ALL WIND ZONES, DIAGONAL TIE-DOWNS SHALL BE SPACED NO FARTHER APART THAN FIVE FEET FOUR INCHES ON CENTER WITH ANCHORS PLACED WITHIN TWO FEET OF EACH END, OR APPROVED EQUAL, PER FLORIDA BUILDING CODE, 2017.

ESTIMATE SOIL BEARING CAPACITY=2000 PSF
TIE-DOWNS SHALL BE 30" MIN.

THIS FOUNDATION IS DESIGNED TO MEET OR EXCEED HUD'S REQUIREMENTS AS PUBLISHED IN THE *PERMANENT FOUNDATION GUIDE FOR MANUFACTURED HOUSING* DATED SEPTEMBER 1996.



CAROL CHADWICK P.E.



PREPARED FOR
ALBERT CHRISTIE
209 SE 10TH STREET
STEINHATCHEE, FL 32359
850.371.9177
tides2897@gmail.com

CHRISTIE FOUNDATION PLAN
PARCEL 04-7S-17-09891-007
LAKE CITY, FL

PROJECT NO.	FL19029
DATE	OCT. 19, 2019
REVISION DATE	
SHEET	1 OF 1

REVISION DESCRIPTION

DATE

Jeff Hampton

2018 Tax Roll Year

updated: 3/29/2019

Parcel: << 04-7S-17-09891-007 >>

Aerial Viewer

Pictometry

Google Maps

Owner & Property Info

Owner	CHRISTIE ALBERT J & CATHERINE J MERCOGLIANO JTWRs 209 SE 10TH ST STEINHATCHEE, FL 32359		
Site	,		
Description*	COMM AT SE COR OF SEC, RUN N 1266.34 FT, W 50.38 FT, CONT W 946.17 FT TO POB, CONT W 323.45 FT, N 672.77 FT, E 323.44 FT, S 674.06 FT TO POB. WD 1369-2412		
Area	5 AC	S/T/R	04-7S-17
Use Code**	VACANT (000000)	Tax District	3

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

****The Use Code** is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	\$17,846	Mkt Land (1)	\$29,745
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$17,846	Just	\$29,745
Class	\$0	Class	\$0
Appraised	\$17,846	Appraised	\$29,745
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$17,846	Assessed	\$29,745
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$17,846	Total Taxable	county:\$29,745
	city:\$17,846		city:\$29,745
	other:\$17,846		other:\$29,745
	school:\$17,846		school:\$29,745



▼ Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
10/1/2018	\$38,000	1369/2412	WD	V	Q	01
4/2/2001	\$80,000	924/0871	WD	V	Q	

▼ Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

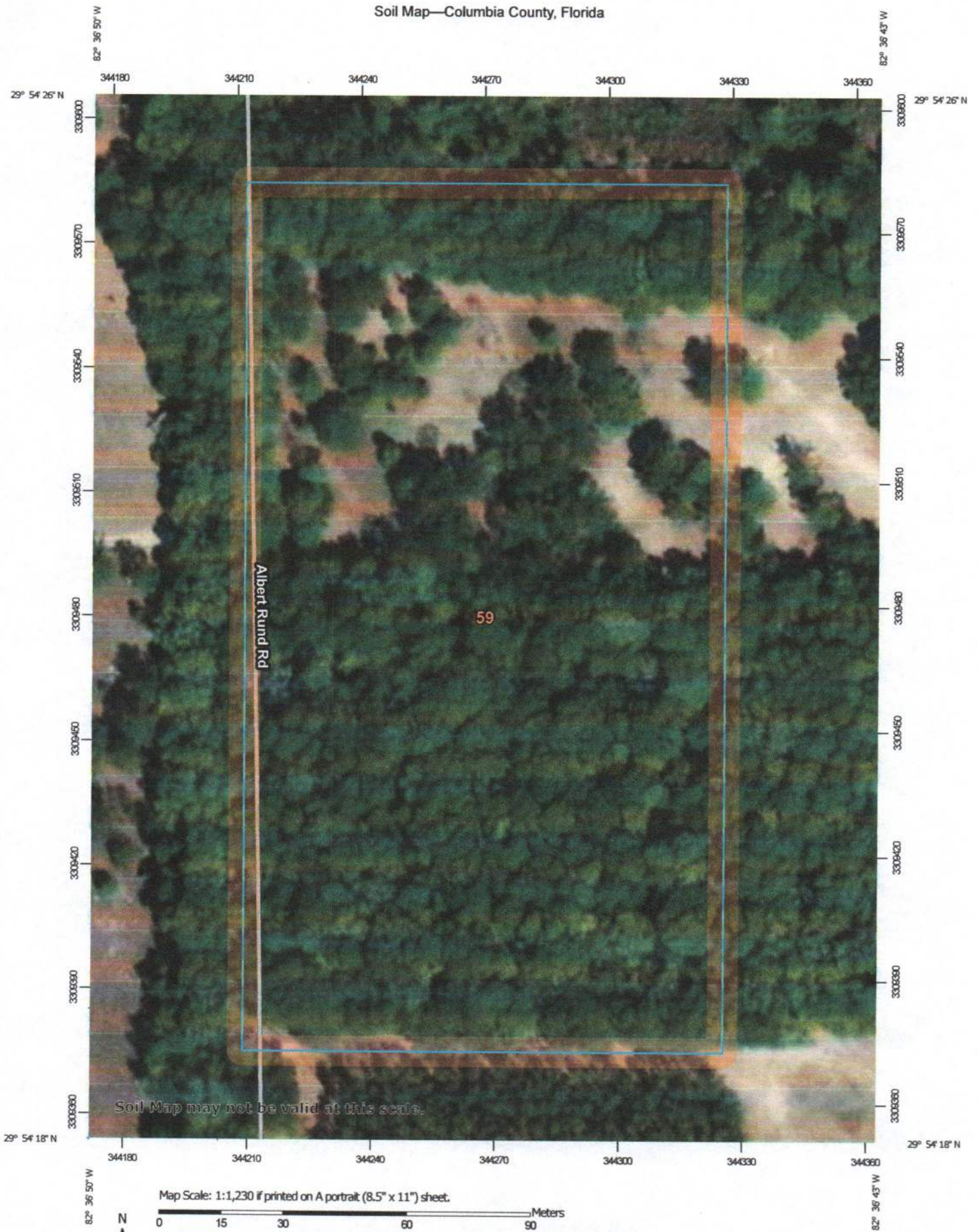
▼ **Extra Features & Out Buildings** (Codes)

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

▼ **Land Breakdown**

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	5.000 AC	1.00/1.00 1.00/1.00	\$5,949	\$29,745

Soil Map—Columbia County, Florida



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/25/2019
Page 1 of 3

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
59	Troup fine sand, 2 to 5 percent slopes	6.0	100.0%
Totals for Area of Interest		6.0	100.0%

Report—Engineering Properties

Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(<http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba>). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties—Columbia County, Florida														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
59—Troup fine sand, 2 to 5 percent slopes			In				L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H	L-R-H
Troup	85 A		0-8	Fine sand	SM, SP-SM	A-3, A-2-4	0-0-0	0-0-0	100-100-100	100-100-100	50-72-94	10-25-40	0-7-14	NP
			8-52	Loamy sand, fine sand	SM, SP-SM	A-3, A-2-4	0-0-0	0-0-0	100-100-100	100-100-100	50-72-94	10-25-40	0-7-14	NP
			52-80	Sandy clay loam, sandy loam, fine sandy loam	CL, CL-ML, SC, SC-SM	A-2-4, A-4	0-0-0	0-0-0	95-98-100	95-98-100	60-77-94	24-40-55	0-17-34	NP-6-12

Data Source Information

Soil Survey Area: Columbia County, Florida
Survey Area Data: Version 14, Sep 10, 2018