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 - Geotechnical
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- Laboratories

Cal-Tech Testing, Inc.

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
7540 103rd St, Suite 215, Jacksonville, FL 32210 • Tel(904)381-8901 • Fax(904)381-8902

JOB NO.: 19-00268-01

REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 3/26/2019

DATE REPORTED: 3/27/2019

PROJECT:	Delgado Residence, Lake City, FL	
CLIENT:	Bryan Zecher Construction, P.O. Box 815, Lake City, FL 32056	
GENERAL CONTRACTOR:	Bryan Zecher Construction	
EARTHWORK CONTRACTOR:	Bryan Zecher Construction	
INSPECTOR:	J. Clayton	
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL	
SPECIFIED REQUIREMENTS: 95%		

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	18 ft. west & 10 ft. North from Southeast Corner	12"	120.3	8.9	110.5	1	114.2	97%
2	10 ft. East & 40 ft. South from Northwest Corner	12"	121.3	9.9	110.4	1	114.2	97%
3	100 ft. North & 50 ft. West from Southeast Corner	12"	120.7	9.8	109.9	1	114.2	96%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Dark Brown Silty Sand (SM) (Refer to CTI Job No.: 18-00402-01, Sample 1)	114.2	10.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer

Linda M. Creamer
President - CEO

Reviewed By:



Date: 3/27/19
Licensed, Florida No: 65550

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data. This report shall not be reproduced without prior approval of the author.



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JOB NO.: 18-00799-01

REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 11/13/2018

DATE REPORTED: 11/28/2018

PROJECT:	Woodborough Subdivision - Lot 84, Lake City, FL
CLIENT:	Norton's Home Improvements, 3367 US Hwy 441, Suite 101, Lake City, FL 32025
GENERAL CONTRACTOR:	Norton's Home Improvements
EARTHWORK CONTRACTOR:	Norton's Home Improvements
INSPECTOR:	Z. Johnson
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	40 ft. West & 30 ft. South from Northeast Corner of Pad	12"	115.6	8.4	106.6	1	110.3	97%
2	Center of Pad	12"	118.1	9.8	107.6	1	110.3	98%
3	40 ft. North & 40 ft. East from Southwest Corner of Pad	12"	115.2	7.0	107.7	1	110.3	98%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tan Sand with Silt (SP-SM)	110.3	9.1	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer
President - CEO

Reviewed By:



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 18-00799-01

DATE TESTED: 11/14/2018

DATE REPORTED: 11/15/2018

PROJECT:	Woodborough Subdivision - Lot 84, Lake City, FL
CLIENT:	Norton's Home Improvements, 3367 US Hwy. 441, Suite 101, Lake City, FL 32025
GENERAL CONTRACTOR:	Norton's Home Improvements
EARTHWORK CONTRACTOR:	Norton's Home Improvements
INSPECTOR:	C. Day
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
4	25 ft. West & 10 ft. South from Northeast Corner of Pad	1	12"	116.3	6.2	109.5	1	114.2	96%
5	Center of Pad	1	12"	119.5	7.8	110.9	1	114.2	97%
6	15 ft. East & 15 ft. South from Northwest Corner of Pad	1	12"	117.5	5.8	111.1	1	114.2	97%

REMARKS:

The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tan Sand with Silt (SP-SM) & Trace of Brown Clay (Refer to CTI Job No.: 18-00402-01, Sample 1)	114.2	10.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer
President - CEO

Reviewed By:



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 18-00799-01

DATE TESTED: 11/15/2018

DATE REPORTED: 11/20/2018

PROJECT:	Woodborough Subdivision - Lot 84, Lake City, FL
CLIENT:	Norton's Home Improvements, 3367 US Hwy. 441, Suite 101, Lake City, FL 32025
GENERAL CONTRACTOR:	Norton's Home Improvements
EARTHWORK CONTRACTOR:	Norton's Home Improvements
INSPECTOR:	C. Day
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
7	30 ft. East & 15 ft. North from Southwest Corner of Pad	2	12"	114.2	4.8	109.0	1	114.2	95%
8	20 ft. South & 15 ft. East from Northwest Corner of Pad	2	12"	115.1	5.4	109.2	1	114.2	96%
9	12 ft. West & 18 ft. South from Northeast Corner of Pad	2	12"	114.8	5.2	109.1	1	114.2	96%

REMARKS:

The Above Tests Meet Specified Requirements.

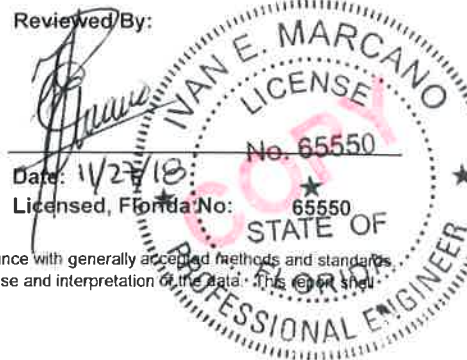
PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tan Sand with Silt (SP-SM) & Trace of Brown Clay (Refer to CTI Job No.: 18-00402-01, Sample 1)	114.2	10.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer

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President - CEO

Reviewed By:



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REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 18-00799-01

DATE TESTED: 11/27/2018

DATE REPORTED: 11/28/2018

PROJECT:	Woodborough Subdivision - Lot 84, Lake City, FL
CLIENT:	Norton's Home Improvements, 3367 US Hwy. 441, Suite 101, Lake City, FL 32025
GENERAL CONTRACTOR:	Norton's Home Improvements
EARTHWORK CONTRACTOR:	Norton's Home Improvements
INSPECTOR:	C. Day
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
10	30 ft. West & 12 ft. North from Southeast Corner of Pad	3	12"	119.5	10.1	108.5	2	114.2	95%
11	20 ft. South & 12 ft. East from Northwest Corner of Pad	3	12"	121.9	9.9	110.9	2	114.2	97%
12	25 ft. South & 15 ft. West from Northeast Corner of Pad	3	12"	119.3	10.3	108.2	2	114.2	95%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
2	Tan Sand with Silt (SP-SM) & Trace of Brown Clay (Refer to CTI Job No.: 18-00402-01, Sample 1)	114.2	10.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer

Linda M. Creamer
President - CEO



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JOB NO.: 18-00799-01

REPORT OF IN-PLACE DENSITY TEST

DATE TESTED: 11/29/2018

DATE REPORTED: 11/30/2018

PROJECT:	Woodborough Subdivision - Lot 84, Lake City, FL
CLIENT:	Norton's Home Improvements, 3367 US Hwy. 441, Suite 101, Lake City, FL 32025
GENERAL CONTRACTOR:	Norton's Home Improvements
EARTHWORK CONTRACTOR:	Norton's Home Improvements
INSPECTOR:	K. Harris
ASTM METHOD (D-6938) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
13	18 ft. West & 18 ft. South from Northeast Corner of Pad	4	12"	116.2	6.1	109.5	2	114.2	96%
14	15 ft. South & 12 ft. East from Northwest Corner of Pad	4	12"	118.4	7.8	109.8	2	114.2	96%
15	12 ft. East & 15 ft. North from Southwest Corner of Pad	4	12"	115.6	5.2	109.9	2	114.2	96%
16	20 ft. West & 15 ft. North from Southeast Corner of Pad	4	12"	117.4	6.5	110.2	2	114.2	96%

REMARKS:

The Above Tests Meet Specified Requirements.

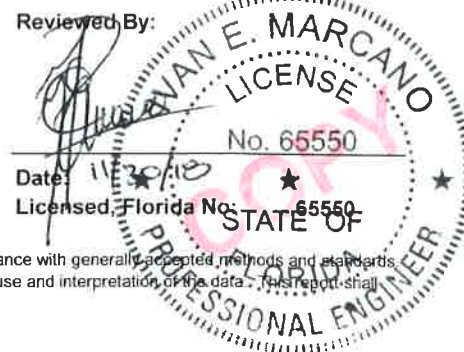
PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
2	Tan Sand with Silt (SP-SM) & Trace of Brown Clay (Refer to CTI Job No.: 18-00402-01, Sample 1)	114.2	10.7	MODIFIED (ASTM D-1557)

Respectfully Submitted,
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