



2734 Causeway Center Drive, Tampa, FL 33619  
813-621-8168 Office  
813-621-8232 Fax  
www.faulknereng.com

## CYPRESS RANCH

Pasco County, Florida

Client: Mr. Charlie Peterson  
Terra Management Group  
550 North Reo Street, Suite 104  
Tampa, Florida 33609

Report Date: May 6, 2021  
Project Number: 20-4876

### LOT 7

## GEOTECHNICAL ENGINEER CERTIFICATION

I reviewed our testing activities during the cut and fill placement at the property and it is my opinion the mass grading work was completed substantially in accordance with the recommendations of the Geotechnical Investigation prepared by Faulkner Engineering Services, Inc. dated June 29, 2020 and Schedule 1 indicated below. A final report containing a description of the results of the testing and visual observations has been prepared by Faulkner Engineering Services, Inc. dated January 14, 2021.

Geotechnical Engineer (Signature):

Print Name: John Gregos

Registration No.: 58628

Expiration Date: 2/28/23



Date: \_\_\_\_\_

### SCHEDULE 1 : EARTHWORK PERFORMANCE CRITERIA

Initial site preparation will consist of clearing and stripping the site of all vegetation and associated root systems. Additionally, surficial organic-containing soils in wetland areas to be filled (i.e., "muck"), will be removed from the site. The resulting exposed subgrade will be compacted to at least 95 percent of the material's modified Proctor (ASTM D 1557) maximum density. Site elevating fill will then be placed in 12 inch (maximum) loose lifts, with each lift compacted to at least 95 percent of the material's modified Proctor maximum dry density.

Attachments: Report Nos. Building Pad 1, P1, P4, and P5

Recipient: 1019 Ballantrae WA, LLC (Will Anderson E-mail)  
Terra Management (Ed Andrews E-mail)  
Terra Management (Charlie Peterson E-mail)



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**CYPRESS RANCH**  
Pasco County, Florida

Client: Mr. Charlie Peterson  
Terra Management Group  
550 North Reo Street, Suite 104  
Tampa, Florida 33609

Report Date: January 14, 2021

Project Number: 20-4876

**REPORT OF FIELD DENSITY TEST**  
Report Number: Building Pad 1

95% of the Modified Proctor Maximum Dry Density Value (ASTM D1557) is Required

Test Number	Lift of Fill Tested	Building Pad Test Location	Proctor Information		Field Compaction Test		Percent of Maximum Dry Density Value (%)	Test Status?
			Report	Maximum Dry Density Value (LBS/FT <sup>3</sup> )	Moisture Content (%)	Dry Density Result (LBS/FT <sup>3</sup> )		
1	+1'	Lot 7 West End	P5	101.6	7.2	102.0	100%	Pass
2	+2'	Lot 7 West End	P5	101.6	11.6	101.6	100%	Pass
3	+3'-FG*	Lot 7 West End	P1	109.5	6.4	110.2	101%	Pass
4	+1'	Lot 7 East End	P4	104.1	8.8	101.4	97%	Pass
5	+2'	Lot 7 East End	P1	109.5	7.3	110.1	101%	Pass
6	+3'-FG	Lot 7 East End	P1	109.5	5.6	106.6	97%	Pass

Tests performed in general accordance with FM1-T238, Method A, nuclear method with representative samples per FM5-507

FG\* = Final Grade

Recipients: 1019 Ballantrae WA, LLC (Will Anderson E-mail)  
Terra Management (Ed Andrews E-mail)  
Terra Management (Charlie Peterson E-mail)

Respectfully Submitted,  
Faulkner Engineering Services, Inc.

John R. Gregos, Jr., P.E.  
Florida License No. 58628



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## CYPRESS RANCH

Pasco County, Florida

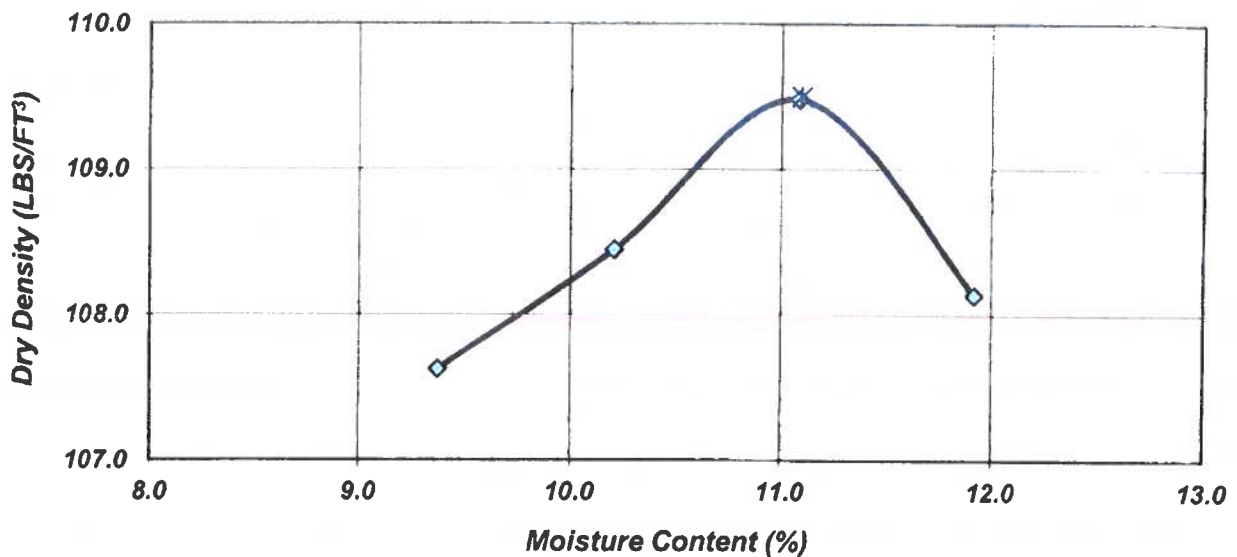
Client: Mr. Charlie Peterson  
Terra Management Group  
550 North Reo Street, Suite 104  
Tampa, Florida 33609

Report Date: October 26, 2020

Project Number: 20-4876

### MOISTURE-DENSITY (PROCTOR) RELATIONSHIP

Report Number: P1



Maximum Dry Density: **109.5** LBS/FT³ per Method: FM 1-T 180  
Optimum Moisture Content: **11.1** % [Modified Proctor]

Sample Description: Brown Slightly Silty Sand  
Sample Location: Existing  
Sampled By: Jason Brenneman  
Sample Date: October 19, 2020

Respectfully Submitted,  
Faulkner Engineering Services, Inc.

John R. Gregos, Jr., P.E.  
Florida License No. 58628

Liquid Limit:	Non-Plastic
Plasticity Index:	Non-Plastic
USCS Classification:	SP-SM

Recipients: 1019 Ballantrae WA, LLC (Will Anderson E-mail)  
Terra Management (Ed Andrews E-mail)  
Terra Management (Charlie Peterson E-mail)  
Burgess Civil (David Carney E-mail)

Cypress Ranch-P1 (P1)

Sampled in general accordance with AASHTO T2 / ASTM D75.

REPORTS MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT PERMISSION FROM FES



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### CYPRESS RANCH

Pasco County, Florida

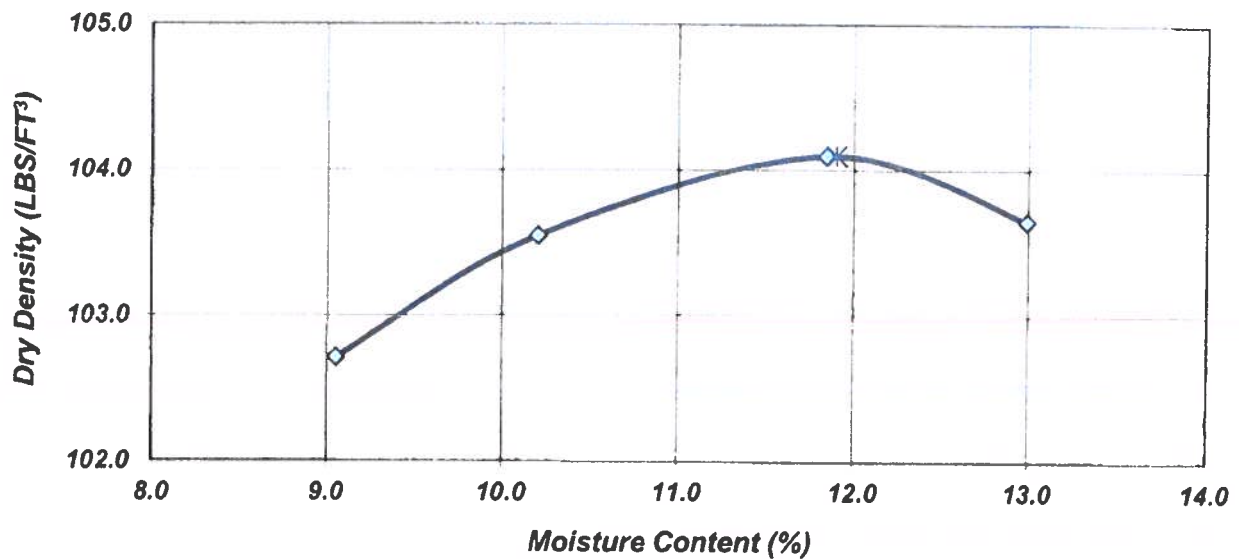
Client: Mr. Charlie Peterson  
Terra Management Group  
550 North Reo Street, Suite 104  
Tampa, Florida 33609

Report Date: November 30, 2020

Project Number: 20-4876

#### MOISTURE-DENSITY (PROCTOR) RELATIONSHIP

Report Number: P4



Maximum Dry Density: 104.1 LBS/FT<sup>3</sup> per Method: FM 1-T 180  
Optimum Moisture Content: 11.9 % [Modified Proctor]

Sample Description: Brown Fine Sand  
Sample Location: Future Commercial, North of Pond C5475A-A  
Sampled By: Jason Brenneman  
Sample Date: November 23, 2020

Respectfully Submitted,  
Faulkner Engineering Services, Inc.

John R. Gregos, Jr., P.E.  
Florida License No. 58628

Liquid Limit:	Non-Plastic
Plasticity Index:	Non-Plastic
USCS Classification:	SP-SM

Recipients: 1019 Ballantrae WA, LLC (Will Anderson E-mail)  
Terra Management (Ed Andrews E-mail)  
Terra Management (Charlie Peterson E-mail)  
Burgess Civil (David Carney E-mail)

Cypress Ranch-P4 (P4)

Sampled in general accordance with AASHTO T2 / ASTM D75.

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Pasco County, Florida

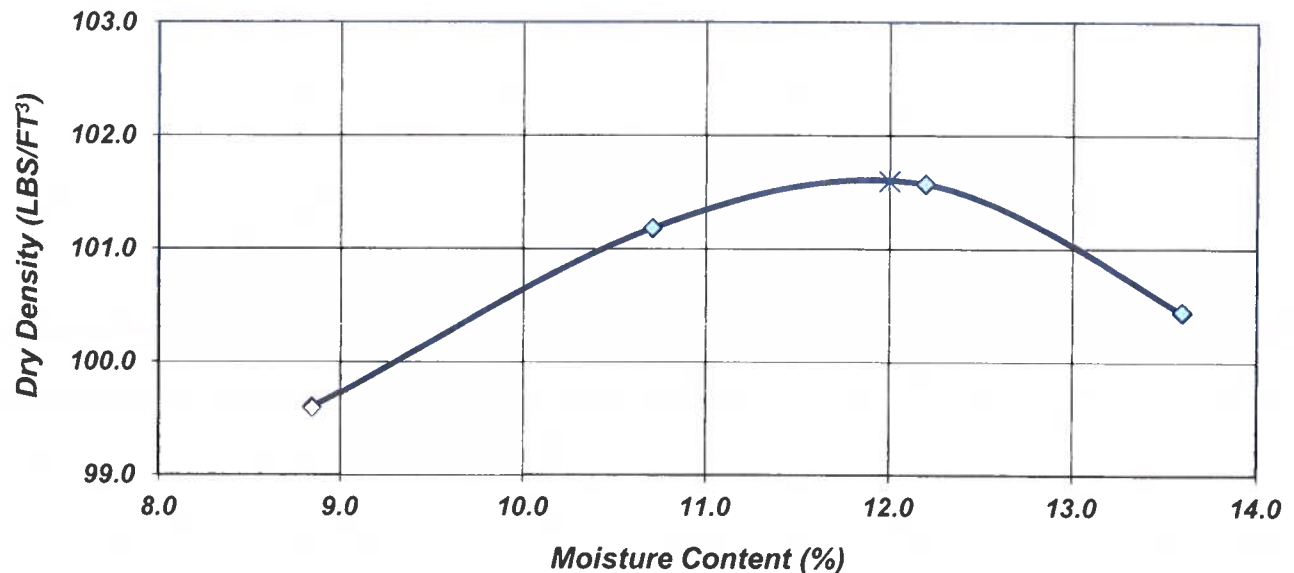
Client: Mr. Charlie Peterson  
Terra Management Group  
550 North Reo Street, Suite 104  
Tampa, Florida 33609

Report Date: December 7, 2020

Project Number: 20-4876

### MOISTURE-DENSITY (PROCTOR) RELATIONSHIP

Report Number: P5



Maximum Dry Density: **101.6** LBS/FT³ per Method: FM 1-T 180  
Optimum Moisture Content: **12.0** % [Modified Proctor]

Sample Description: Light Brown Fine Sand  
Sample Location: Existing, Single Family Homes  
Sampled By: Jason Brenneman  
Sample Date: November 30, 2020

Respectfully Submitted,  
Faulkner Engineering Services, Inc.

John R. Gregos, Jr., P.E.  
Florida License No. 58628

Liquid Limit:	Non-plastic
Plasticity Index:	Non-plastic
USCS Classification:	SP

Recipients: 1019 Ballantrae WA, LLC (Will Anderson E-mail)  
Terra Management (Ed Andrews E-mail)  
Terra Management (Charlie Peterson E-mail)  
Burgess Civil (David Carney E-mail)

Cypress Ranch-P5 (P5)

Sampled in general accordance with AASHTO T2 / ASTM D75.

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Page 1 of 1