



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Report No: FDR:03114217-3

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/29/2023

Testing Details

Tested By:

Trevor Ahin

ASTM D 6938

Field Methods: Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number:

28345

Weather: Clear to Partly Cloudy **Date Tested:**

11/24/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 1486

Standard Count: Moisture: 627

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	12	127.1	20.4	+0.7	$-2 \tau o +2$	105.6	99.1	≥98	Α
2	D 6938	03114217-2-S2	12	129.4	21.6	+1.9	$-2 \tau o +2$	106.4	99.8	≥98	Α
3	D 6938	03114217-2-S2	12	128.1	21.7	+2.0	$-2 \tau o +2$	105.3	98.8	≥98	Α
4	D 6938	03114217-2-S2	12	127.5	20.4	+0.7	$-2 \tau o +2$	105.9	99.3	≥98	Α
5	D 6938	03114217-2-S2	12	128.1	21.0	+1.3	$-2 \tau o +2$	105.9	99.3	≥98	Α
6	D 6938	03114217-2-S2	12	127.2	19.8	+0.1	$-2 \tau o +2$	106.2	99.6	≥98	Α

Loc	ation				
Gen	eral Location:	California Rose- Sewer main and services			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
1	Sta 3+20		2	6	Backfill
2	Sta 4+50		2	6	Backfill
3	Sta 5+37		2	6	Backfill
4	Sta 6+70		2	6	Backfill
5	Sta 7+30		2	6	Backfill
6	Sta 8+44		2	6	Backfill

Comments	Legend
Final	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



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1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

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CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager)

Date of	Issue:	11/29/2023

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	12	128.2	21.6	+1.9	$-2 \tau o +2$	105.4	98.9	≥98	Α
8	D 6938	03114217-2-S2	12	127.4	20.9	+1.2	$-2 \tau o +2$	105.4	98.9	≥98	Α
9	D 6938	03114217-2-S2	12	128.6	21.4	+1.7	$-2 \tau o +2$	105.9	99.3	≥98	Α
10	D 6938	03114217-2-S2	12	128.2	21.7	+2.0	$-2 \tau o +2$	105.3	98.8	≥98	Α
11	D 6938	03114217-2-S2	12	127.6	21.6	+1.9	$-2 \tau o +2$	104.9	98.4	≥98	Α
12	D 6938	03114217-2-S2	12	129.4	21.7	+2.0	$-2 \tau o +2$	106.3	99.7	≥98	Α

Loc	ation			western general design	
Gene	eral Location:	California Rose- Sewer main and services			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
7	Sta 9+82		2	6	Backfill
8	Sta 10+46		2	6	Backfill
9	Sta 11+20		2	6	Backfill
10	Sta 3+40		3	6	Backfill
11	Sta 4+20		3	6	Backfill
12	Sta 5+68		3	6	Backfill

Comments	Legend
Final	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-3

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/29/2023

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
13	D 6938	03114217-2-S2	12	127.8	20.1	+0.4	$-2 \tau o +2$	106.4	99.8	≥98	Α
14	D 6938	03114217-2-S2	12	127.2	21.4	+1.7	$-2 \tau o +2$	104.8	98.3	≥98	Α
15	D 6938	03114217-2-S2	12	127.4	20.7	+1.0	$-2 \tau o +2$	105.6	99.1	≥98	Α
16	D 6938	03114217-2-S2	12	127.1	21.4	+1.7	$-2 \tau o +2$	104.7	98.2	≥98	Α
17	D 6938	03114217-2-S2	12	127.3	21.6	+1.9	$-2 \tau o +2$	104.7	98.2	≥98	Α
18	D 6938	03114217-2-S2	12	127.4	21.5	+1.8	-2 τo +2	104.9	98.4	≥98	Α

10	D 0330	03114217-2-32	12 121.4	21.0	11.0	-2 to +2	104.5 30.4	270 /
LOC	ation							
Gene	eral Location:	California Rose- Sewer main	and services					
Test No.		Loc	Location Li				Test Elev/Depth	Material/Layer
13	Sta 6+52					3	6	Backfill
14	7+38					3	6	Backfill
15	Sta 8+57					3	6	Backfill
16	Sta 9+34					3	6	Backfill
Gene	eral Location:	Carolina Rose- Sewer main a	and services					
Test No.		Loc	cation			Lift	Test Elev/Depth	Material/Layer
17	Sta 12+30					3	6	Backfill
18	Sta 11+62					3	6	Backfill

Comments	Legend
Final	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Issue No: 1

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Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
19	D 6938	03114217-2-S2	12	127.1	21.0	+1.3	$-2 \tau o +2$	105.0	98.5	≥98	Α
20	D 6938	03114217-2-S2	12	127.9	21.4	+1.7	$-2 \tau o +2$	105.4	98.9	≥98	Α
21	D 6938	03114217-2-S2	12	127.1	20.9	+1.2	$-2 \tau o +2$	105.1	98.6	≥98	Α
22	D 6938	03114217-2-S2	12	126.4	20.7	+1.0	-2 το +2	104.7	98.2	≥98	Α

	ation	Carolina Rose- Sewer main and services			
Gene Test No.		Location	Lift	Test Elev/Depth	Material/Layer
19	Sta 10+30		3	6	Backfill
20	Sta 9+58		3	6	Backfill
21	8+70		3	6	Backfill
22	Sta 7+80		3	6	Backfill

Comments	Legend
Final	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON 1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Report No: FDR:03114217-4

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 11/29/2023

Testing Details

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938**

Contractor: VK Knowlton

Test Mode: **Direct Transmission**

Serial Number: 65455 Weather: Clear

Date Tested: 11/20/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2168

Standard Count: Moisture: 673

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S1	Mixed in-place	Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	99.5	23.2

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	120.2	22.8	-0.4	$-2 \tau o +2$	97.9	98.4	≥98	Α
2	D 6938	03114217-2-S1	6	121.3	23.9	+0.7	$-2 \tau o +2$	97.9	98.4	≥98	Α
3	D 6938	03114217-2-S1	6	123.3	23.4	+0.2	$-2 \tau o +2$	99.9	100.4	≥98	Α
4	D 6938	03114217-2-S1	6	122.6	23.6	+0.4	$-2 \tau o +2$	99.2	99.7	≥98	Α
5	D 6938	03114217-2-S1	6	122.0	23.7	+0.5	$-2 \tau o +2$	98.6	99.1	≥98	Α
6	D 6938	03114217-2-S1	6	122.7	23.8	+0.6	$-2 \tau o +2$	99.1	99.6	≥98	Α

Loc	cation				
Gen	eral Location: 8" SS line	H, California Rose			
Test		Location	Lift	Test Elev/Depth	Material/Layer
1	At STA 1+80		1	6	Backfill
2	At STA 3+20		1	6	Backfill
3	At STA 4+80		1	6	Backfill
4	At STA 6+50		1	6	Backfill
5	At STA 8+20		1	6	Backfill
6	At STA 10+10		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



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1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-5

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/29/2023

11/21/2023

Troxler/3430

Testing Details

Tested By:

Benjamin Urbina

ASTM D 6938

Field Methods: Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number: 65455

Standard Count: Density: 2183 Standard Count: Moisture: 694

Date Tested:

Gauge Make/Model:

Weather: Cloudy

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.9	19.9	+0.2	$-2 \tau o +2$	105.8	99.2	≥98	Α
2	D 6938	03114217-2-S2	6	125.6	19.9	+0.2	$-2 \tau o +2$	104.8	98.3	≥98	Α
3	D 6938	03114217-2-S2	6	126.2	20.0	+0.3	$-2 \tau o +2$	105.2	98.7	≥98	Α
4	D 6938	03114217-2-S2	6	126.1	19.9	+0.2	$-2 \tau o +2$	105.2	98.7	≥98	Α
5	D 6938	03114217-2-S2	6	126.1	20.2	+0.5	$-2 \tau o +2$	104.9	98.4	≥98	Α
6	D 6938	03114217-2-S2	6	127.0	19.9	+0.2	$-2 \tau o +2$	105.9	99.3	≥98	Α

Loc	ation				
Gen	eral Location: 8" SS line	e J, Caroline Rose			
Test		Location	Lift	Test Elev/Depth	Material/Laye
1	At STA 1+50		1	6	Backfill
2	At STA 3+20		1	6	Backfill
3	At STA 4+60		1	6	Backfill
4	At STA 6+10		1	6	Backfill
5	At STA 8+40			6	Backfill
6	At STA 10+00		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

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1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	126.2	20.2	+0.5	$-2 \tau o +2$	105.0	98.5	≥98	Α
8	D 6938	03114217-2-S2	6	126.6	20.3	+0.6	$-2 \tau o +2$	105.2	98.7	≥98	Α
9	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	$-2 \tau o +2$	105.6	99.1	≥98	Α
10	D 6938	03114217-2-S2	6	127.2	20.3	+0.6	$-2 \tau o +2$	105.7	99.2	≥98	Α
11	D 6938	03114217-2-S2	6	127.9	20.0	+0.3	$-2 \tau o +2$	106.6	100.0	≥98	Α
12	D 6938	03114217-2-S2	6	127.8	19.8	+0.1	$-2 \tau o +2$	106.7	100.1	≥98	Α

Loc	ation				
Gene	eral Location: 8" SS line J	, Caroline Rose			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
7	At STA 11+50		1	6	Backfill
8	At STA 1+50		2	6	Backfill
9	At STA 3+20		2	6	Backfill
10	At STA 4+60		2	6	Backfill
11	At STA 6+10		2	6	Backfill
12	At STA 8+40		2	6	Backfill

Comments	Legend
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Field Density Test Report

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1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/29/2023

Test F	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
13	D 6938	03114217-2-S2	6	126.8	19.8	+0.1	$-2 \tau o +2$	105.8	99.2	≥98	Α
14	D 6938	03114217-2-S2	6	127.1	20.7	+1.0	$-2 \tau o +2$	105.3	98.8	≥98	Α

Loc	ation				
Gene	eral Location: 8" SS line J	, Caroline Rose			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
13	At STA 10+00		2	6	Backfill
14	At STA 11+50		2	6	Backfill

Comments	Legend
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Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

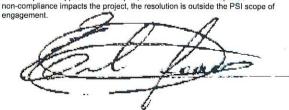
CONVERSE, TX



Report No: FDR:03114217-6

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/29/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode: Serial Number: **Direct Transmission** 65455

Date Tested:

11/22/2023

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2176 Standard Count: Moisture: 671

Weather: Clear

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S1	Mixed in-place	Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	99.5	23.2

Test F	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	121.9	23.4	+0.2	$-2 \tau o +2$	98.8	99.3	≥98	Α
2	D 6938	03114217-2-S1	6	124.6	23.6	+0.4	$-2 \tau o +2$	100.8	101.3	≥98	Α
3	D 6938	03114217-2-S1	6	124.6	23.3	+0.1	$-2 \tau o +2$	101.1	101.6	≥98	Α
4	D 6938	03114217-2-S1	6	122.1	23.5	+0.3	$-2 \tau o +2$	98.9	99.4	≥98	Α
5	D 6938	03114217-2-S1	6	122.7	23.5	+0.3	-2 τo +2	99.4	99.9	≥98	Α

Contract of the Contract of th	cation				
Gen	eral Location: 8	" SS line H, Redleaf Rose			
Test		Location	Lift	Test Elev/Depth	Material/Laye
1	At STA 11+90		1	6	Backfill
2	At STA 11+90		2	6	Backfill
3	At STA 11+90		3	6	Backfill
4	At STA 11+90		4	6	Backfill
5	At STA 11+90			Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



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1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-7

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 11/29/2023

11/25/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Weather:

Cloudy

Date Tested:

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2169

Standard Count: Moisture: 657

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	125.6	19.9	+0.2	0 το +4	104.8	98.3	≥98	Α
2	D 6938	03114217-2-S2	6	127.2	20.3	+0.6	0 το +4	105.7	99.2	≥98	Α
3	D 6938	03114217-2-S2	6	127.4	19.9	+0.2	0 το +4	106.3	99.7	≥98	Α
4	D 6938	03114217-2-S2	6	127.9	20.6	+0.9	0 το +4	106.1	99.5	≥98	Α
5	D 6938	03114217-2-S2	6	127.9	19.9	+0.2	0 το +4	106.7	100.1	≥98	Α
6	D 6938	03114217-2-S2	6	128.0	20.1	+0.4	0 το +4	106.6	100.0	≥98	Α

Loc	cation				
Gen	eral Location:	California Rose Sewer laterals			
Test No.		Location	Lift	Test Elev/Depth	Material/Laye
1	Lot 14		1	6	Backfill
2	Lot 19		1	6	Backfill
3	Lot 24		1	6	Backfill
4	Lot 29		1	6	Backfill
5	Lot 34		1	6	Backfill
6	Lot 39		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Test Results

Test

Professional Service Industries, Inc. Three Burwood Lane San Antonio, TX 78216 Texas Firm Registration No. F-03307 Phone: (210) 342-9377 Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

Wet

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Method



Proctor Sample ID Probe

Report No: FDR:03114217-7

Issue No: 1

Comp Results

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Comp

Approved Signatory: Ernesto Gomez (Project Manager)

Dry

Date of Issue:	11/29/2023

OWC OWC Var

No.			Depth (in.)	Density (lb/ft³)	Content (%)	Var (%)	Spec (%)	Density (lb/ft³)	(%)	Spec (%)	
7	D 6938	03114217-2-S2	6	128.2	20.7	+1.0	0 το +4	106.2	99.6	≥98	Α
8	D 6938	03114217-2-S2	6	127.6	19.8	+0.1	0 το +4	106.5	99.9	≥98	Α
9	D 6938	03114217-2-S2	6	127.0	20.8	+1.1	0 το +4	105.1	98.6	≥98	Α
10	D 6938	03114217-2-S2	6	126.9	19.7	+0.0	0 το +4	106.0	99.4	≥98	Α
11	D 6938	03114217-2-S2	6	127.6	20.2	+0.5	0 το +4	106.2	99.6	≥98	Α
12	D 6938	03114217-2-S2	6	127.1	20.9	+1.2	0 το +4	105.1	98.6	≥98	Α
Test No.	Lot 45		cation				1	t Test El	6	Materia Bac	
Gene	ral Location:	Carolina Rose Sewer laterals	S								
Test No.		Lo	cation				Lif	t Test El	ev/Depth	Materia	l/Layer
8	Lot 4						1		6	Bac	kfill
9	Lot 10						1		6	Bac	kfill
10	Lot 15						1		6	Bac	kfill
11	Lot 20						1		6	Bac	kfill
12	Lot 25						1		6	Bac	kfill

Water

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-8

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/29/2023

Testing Details

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938**

VK Knowlton

Contractor: Test Mode: **Direct Transmission**

Serial Number: 65455

Weather: Clear to Partly Cloudy **Date Tested:**

11/27/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2182

Standard Count: Moisture: 671

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.1	20.1	+0.4	0 το +4	105.0	98.5	≥98	Α
2	D 6938	03114217-2-S2	6	126.9	19.9	+0.2	0 το +4	105.8	99.2	≥98	Α
3	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	0 το +4	105.6	99.1	≥98	Α
4	D 6938	03114217-2-S2	6	127.8	20.1	+0.4	0 το +4	106.4	99.8	≥98	Α
5	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	0 το +4	105.9	99.3	≥98	Α
6	D 6938	03114217-2-S2	6	127.8	21.0	+1.3	0 το +4	105.6	99.1	≥98	Α

Loc	ation				
Gen	eral Location: Caroli	ne Rose Sewer laterals			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
1	Lot 4		2	6	Backfill
2	Lot 10		2	6	Backfill
3	Lot 16		2	6	Backfill
4	Lot 22		2	6	Backfill
5	Lot 29		2	6	Backfill
6	Lot 36		2	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON 1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-8

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) 11/29/2023

	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.2	20.9	+1.2	0 το +4	106.0	99.4	≥98	Α
8	D 6938	03114217-2-S2	6	127.7	21.1	+1.4	0 το +4	105.5	99.0	≥98	Α
9	D 6938	03114217-2-S2	6	127.6	21.0	+1.3	0 το +4	105.5	99.0	≥98	Α

Loc	ation				
Gen	eral Location: Caroline	Rose Sewer laterals			
Test		Location	Lift	Test Elev/Depth	Material/Layer
7	Lot 43		2	6	Backfill
8	Lot 50		2	6	Backfill
9	Lot 56		2	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-9

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/29/2023

11/28/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Westher

Clouds

Gauge Make/Model:

Date Tested:

Troxler/3430

Standard Count: Density: 2169

Standard Count: Moisture: 678

Weather: Cloudy

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	$-2 \tau o +2$	105.6	99.1	≥98	Α
2	D 6938	03114217-2-S2	6	127.6	20.2	+0.5	$-2 \tau o +2$	106.2	99.6	≥98	Α
3	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	$-2 \tau o +2$	105.9	99.3	≥98	Α
4	D 6938	03114217-2-S2	6	126.8	19.8	+0.1	$-2 \tau o +2$	105.8	99.2	≥98	Α
5	D 6938	03114217-2-S2	6	128.6	21.2	+1.5	$-2 \tau o +2$	106.1	99.5	≥98	Α
6	D 6938	03114217-2-S2	6	127.2	20.9	+1.2	$-2 \tau o +2$	105.2	98.7	≥98	Α

Loc	cation				
Gen	eral Location: 8" SS	S line H, California Rose			
Test No.		Location	Lift	Test Elev/Depth	Material/Laye
1	At STA 1+80		4	6	
2	At STA 3+20		4	6	Backfill
3	At STA 4+80		4	6	Backfill
4	At STA 6+10		4	6	Backfill
5	At STA 8+40		4	6	Backfill
6	At STA 10+10		4	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-10

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/1/2023

Testing Details

Tested By:

Benjamin Urbina

Date Tested:

11/29/2023

Field Methods:

ASTM D 6938 VK Knowlton

Gauge Make/Model:

Troxler/3430

Contractor: Test Mode:

Direct Transmission

Standard Count: Density: 2180

Serial Number:

65455

Standard Count: Moisture: 678

Weather: Cloudy

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S1	Mixed in-place	Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	99.5	23.2

Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	122.5	23.8	+0.6	$-2 \tau o +2$	98.9	99.4	≥98	Α
2	D 6938	03114217-2-S1	6	123.1	24.0	+0.8	$-2 \tau o +2$	99.3	99.8	≥98	Α
3	D 6938	03114217-2-S1	6	123.8	24.1	+0.9	$-2 \tau o +2$	99.8	100.3	≥98	Α
4	D 6938	03114217-2-S1	6	122.9	23.3	+0.1	$-2 \tau o +2$	99.7	100.2	≥98	Α

Loc	ation				
Gene	eral Location: 8" SS	S line J-1, Winged Rose			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
1	At STA 1+80		1	6	Backfill
2	At STA 1+80		2	6	Backfill
3	At STA 1+80		3	6	Backfill
4	At STA 1+80		4	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



CC: RYAN JOHNSON

Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-13

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 12/7/2023

12/4/2023

Testing Details

Tested By:

Shawn Crawford

Field Methods:

ASTM D 6938

Contractor:

Test Mode:

Direct Transmission

Serial Number: Weather:

36377 Clear

Date Tested:

Gauge Make/Model: Troxler/3430

Standard Count: Density: 1771

Standard Count: Moisture: 639

Proctor Information				
Sample ID	Supplier	Material	Method	MDD (lb/ft³)
		Brown Lean Clav w/Sand		

03114217-2-S2 Mixed in-place General Fill)

(CL), (Subgrade / Backfill / ASTM D 698 (A) 106.6 19.7

OWC (%)

Test Results Test Method **Proctor Sample ID Probe** Wet Water OWC OWC Var Dry Comp Comp Results No. **Depth Density** Content Var (%) Spec (%) Density (%) Spec (%) (in.) (lb/ft3) (%) (lb/ft3) 03114217-2-S2 1 D 6938 6 124.4 18.1 -1.6 $-2 \tau_0 + 2$ 105.3 98.8 ≥98 A 2 D 6938 03114217-2-S2 6 124.4 17.8 -1.9 $-2 \tau o +2$ 105.6 99.1 ≥98 A 6 -0.6 $-2 \tau o +2$ 3 03114217-2-S2 125.6 19.1 105.5 99.0 ≥98 A D 6938 4 D 6938 03114217-2-S2 6 126.3 19.5 -0.2 $-2 \tau o +2$ 105.7 99.2 ≥98 A 5 D 6938 03114217-2-S2 6 125.9 20.1 +0.4 -2 to +2104.8 98.3 ≥98 Α 6 19.6 6 127.4 -0.1 106.5 99.9 ≥98 D 6938 03114217-2-S2 $-2 \tau o +2$ Α

Loc	cation				
Gen	eral Location: 6" sewer	line lateral			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
1	Lot 34		2	6	Backfill
2	Lot 37		1	6	Backfill
3	Lot 40		1	6	Backfill
4	Lot 43		1	6	Backfill
5	Lot 46		1	6	Backfill
6	Lot 49		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-13

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/7/2023

Test F	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	127.1	20.2	+0.5	$-2 \tau o +2$	105.7	99.2	≥98	Α
8	D 6938	03114217-2-S2	6	126.6	19.8	+0.1	$-2 \tau o +2$	105.7	99.2	≥98	Α

Loc	ation				
Gen	eral Location: 6" sewer	line lateral			
Test		Location	Lift	Test Elev/Depth	Material/Layer
7	Lot 54		1	6	Backfill
8	Lot 60		1	6	Backfill

Comments	Legend	
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION	



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-13

Issue No: 1

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pagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/7/2023



Lot 43 tested 6" sewer lateral



Report No: FDR:03114217-14

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 12/7/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Date Tested:

12/5/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2156 Standard Count: Moisture: 682

Weather: Clear

Proctor Information Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.6	19.9	+0.2	-2 τo +2	106.4	99.8	≥98	Α
2	D 6938	03114217-2-S2	6	126.5	20.2	+0.5	$-2 \tau o +2$	105.2	98.7	≥98	Α
3	D 6938	03114217-2-S2	6	127.6	20.6	+0.9	-2 τo +2	105.8	99.2	≥98	Α
4	D 6938	03114217-2-S2	6	127.9	20.2	+0.5	$-2 \tau o +2$	106.4	99.8	≥98	Α

Loc	ation				
Gene	eral Location: 8" SS line .	J-1, Winged Rose			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
1	At STA 2+20		1	6	Backfill
2	At STA 2+20		2	6	Backfill
3	At STA 2+20		3	6	Backfill
4	At STA 2+20		4	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



CC: RYAN JOHNSON

Fax: (210) 342-9401 **Field Density Test Report**

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-22

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 12/19/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Date Tested:

12/15/2023

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2199 Standard Count: Moisture: 658

Weather: Clear

octor Information Sample ID	Supplier	Material	Method	MDD	OWC (%
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	(lb/ft³) 106.6	19.7

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	125.6	20.1	+0.4	0 το +4	104.6	98.1	≥98	Α
2	D 6938	03114217-2-S2	6	126.1	20.2	+0.5	0 το +4	104.9	98.4	≥98	Α
3	D 6938	03114217-2-S2	6	125.9	19.9	+0.2	0 το +4	105.0	98.5	≥98	Α
4	D 6938	03114217-2-S2	6	126.0	20.4	+0.7	0 το +4	104.7	98.2	≥98	Α
5	D 6938	03114217-2-S2	6	125.9	19.9	+0.2	0 το +4	105.0	98.5	≥98	Α
6	D 6938	03114217-2-S2	6	125.5	19.8	+0.1	0 το +4	104.8	98.3	≥98	Α

Loc	ation			
Gen	eral Location: Main 8" Water Fire	line		THE RESIDENCE ASSESSMENT OF THE PERSON OF TH
Test		Location	Test Elev/Depth	Material/Layer
1	Caroline Rose STA 1+50		1st lift	Backfill
2	Caroline Rose STA 4+50		1st lift	Backfill
3	Caroline Rose STA 7+50		1st lift	Backfill
4	Caroline Rose STA 11+50		1st lift	Backfill
5	Caroline Rose STA 2+50		Final lift	Backfill
6	Caroline Rose STA 5+50		Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-22

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)

D	al	e of	Issue:	1	2/19	2023

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	126.2	20.3	+0.6	0 το +4	104.9	98.4	≥98	Α
8	D 6938	03114217-2-S2	6	126.1	20.7	+1.0	0 το +4	104.5	98.0	≥98	Α

Loc	cation		
Gen	eral Location: Main 8" Water Fire line		
Test No.	t Location	Test Elev/Depth	Material/Layer
7	Caroline Rose STA 8+50	Final lift	Backfill
8	Caroline Rose STA 11+50	Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Report No: FDR:03114217-25

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/29/2023

12/21/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number: Weather:

65455 Clear

Date Tested:

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2182

Standard Count: Moisture: 699

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

The state of the s	Results	A HEAD CONTRACTOR OF THE PROPERTY OF THE PERSON OF THE PER		THE RESERVE OF THE PARTY OF THE	- Chickenson of the Paris	No. of Concession, Name of Street, or other Persons, Name of Street, or ot		NO CONTRACTOR NOTICE AND ADDRESS OF THE	Control of the last	Property of the Party of the Pa	Maria de la Casa de la
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.1	19.9	+0.2	0 το +4	105.2	98.7	≥98	Α
2	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	0 το +4	105.6	99.1	≥98	Α
3	D 6938	03114217-2-S2	6	127.1	19.8	+0.1	0 το +4	106.1	99.5	≥98	Α
4	D 6938	03114217-2-S2	6	125.8	19.9	+0.2	0 το +4	104.9	98.4	≥98	Α
5	D 6938	03114217-2-S2	6	127.5	20.2	+0.5	0 το +4	106.1	99.5	≥98	Α

	ation			
Gen	eral Location: 8" SS line A, N	Musk Rose		
Test No.		Location	Test Elev/Depth	Material/Laye
1	At STA 15+00		1st lift	Backfill
2	At STA 17+00		1st lift	Backfill
3	At STA 19+00		1st lift	Backfill
4	At STA 21+00		1st lift	Backfill
5	At STA 23+00		1st lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A CONVERSE, TX



Report No: FDR:03114217-26

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 12/29/2023 Date of Issue:

Testing Details

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938**

Contractor: VK Knowlton **Direct Transmission**

Test Mode:

Serial Number: 65455

Weather: Clear to Partly Cloudy **Date Tested:**

12/22/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2179 Standard Count: Moisture: 680

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.0	20.1	+0.4	0 το +4	105.7	99.2	≥98	Α
2	D 6938	03114217-2-S2	6	127.3	20.6	+0.9	0 το +4	105.6	99.1	≥98	Α
3	D 6938	03114217-2-S2	6	127.4	20.8	+1.1	0 το +4	105.5	99.0	≥98	Α
4	D 6938	03114217-2-S2	6	127.9	20.0	+0.3	0 το +4	106.6	100.0	≥98	Α
5	D 6938	03114217-2-S2	6	127.9	19.9	+0.2	0 το +4	106.7	100.1	≥98	Α
6	D 6938	03114217-2-S2	6	127.8	20.6	+0.9	0 το +4	106.0	99.4	≥98	Α

Loc	ation			
Gen	eral Location:	8" SS line A, Musk Rose		
Test		Location	Test Elev/Depth	Material/Layer
1	At STA 16+00		2nd lift	Backfill
2	At STA 18+00		2nd lift	Backfill
3	At STA 20+00		2nd lift	Backfill
4	At STA 22+00		2nd lift	Backfill
5	At STA 24+00		2nd lift	Backfill
6	At STA 15+00		Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-26

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/29/2023

Test Results												
Test No.	Method	Proctor Sample ID			Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results	
7	D 6938	03114217-2-S2	6	127.4	19.9	+0.2	0 το +4	106.3	99.7	≥98	Α	
8	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	0 το +4	105.9	99.3	≥98	Α	
9	D 6938	03114217-2-S2	6	127.8	19.7	+0.0	0 το +4	106.8	100.2	≥98	Α	
10	D 6938	03114217-2-S2	6	127.8	20.1	+0.4	0 το +4	106.4	99.8	≥98	Α	

Loc	ation			
Gene	eral Location: 8" SS line A, N	lusk Rose		
Test No.		Location	Test Elev/Dept	h Material/Laye
7	At STA 18+00		Final lift	Backfill
8	At STA 20+00		Final lift	Backfill
9	At STA 22+00		Final lift	Backfill
10	At STA 24+00		Final lift	Backfill

Legend
OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-27

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 12/29/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number:

65455

Weather:

Clear to Partly Cloudy

Date Tested:

Gauge Make/Model:

12/26/2023

Troxler/3430

Standard Count: Density: 2156

Standard Count: Moisture: 671

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.1	19.9	+0.2	0 το +4	106.0	99.4	≥98	Α
2	D 6938	03114217-2-S2	6	126.9	19.8	+0.1	0 το +4	105.9	99.3	≥98	Α
3	D 6938	03114217-2-S2	6	128.2	20.0	+0.3	0 το +4	106.8	100.2	≥98	Α
4	D 6938	03114217-2-S2	6	128.1	20.1	+0.4	0 το +4	106.7	100.1	≥98	Α
5	D 6938	03114217-2-S2	6	127.9	19.8	+0.1	0 το +4	106.8	100.2	≥98	Α
6	D 6938	03114217-2-S2	6	128.8	20.1	+0.4	0 το +4	107.2	100.6	≥98	Α

Loc	cation			
Gen	eral Location	California Rose Sewer laterals		
Test		Location	Test Elev/Depth	Material/Layer
1	Lot 28		1st lift	Backfill
2	Lot 33		1st lift	Backfill
3	Lot 38		1st lift	Backfill
4	Lot 43		1st lift	Backfill
5	Lot 33		Final lift	Backfill
6	Lot 38		Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

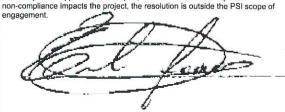
CONVERSE, TX



Report No: FDR:03114217-27

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue:	12/29/2023

Test No.	Method	Proctor Sample ID			Water Content (%)			Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.9	21.1	+1.4	0 το +4	106.4	99.8	≥98	Α

Gene	eral Location: California Rose Sewer laterals	6		
Test No.		_ocation	Test Elev/Depth	Material/Layer
7	Lot 43		Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-28

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Approved Signatory: Ernesto Gomez (Project Manager) 12/29/2023

12/27/2023

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Serial Number:

Testing Details

Direct Transmission

65455

Weather:

Date Tested:

Gauge Make/Model: Troxler/3430 Standard Count: Density: 2183

Standard Count: Moisture: 671

Cloudy

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	128.2	20.9	+1.2	0 το +4	106.0	99.4	≥98	Α
2	D 6938	03114217-2-S2	6	129.0	22.1	+2.4	0 το +4	105.7	99.2	≥98	Α
3	D 6938	03114217-2-S2	6	128.8	21.3	+1.6	0 το +4	106.2	99.6	≥98	Α
4	D 6938	03114217-2-S2	6	127.8	19.7	+0.0	0 το +4	106.8	100.2	≥98	Α
5	D 6938	03114217-2-S2	6	127.2	19.7	+0.0	0 το +4	106.3	99.7	≥98	Α
6	D 6938	03114217-2-S2	6	128.0	22.2	+2.5	0 το +4	104.7	98.2	≥98	Α

Loc	cation			
Gen	eral Location	Carolina Rose Sewer laterals		
Tes No.		Location	Test Elev/Depth	Material/Layer
1	Lot 40		1st lift	Backfill
2	Lot 45		1st lift	Backfill
3	Lot 50		1st lift	Backfill
4	Lot 60		1st lift	Backfill
5	Lot 40		1st lift	Backfill
6	Lot 50		1st lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-28

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 12/29/2023

Test F	Results										
Test No.	Method	Proctor Sample ID		Wet Density (ib/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	127.8	21.9	+2.2	0 το +4	104.8	98.3	≥98	Α
8	D 6938	03114217-2-S2	6	127.2	21.5	+1.8	0 το +4	104.7	98.2	≥98	Α

Loc	ation			
Gene	eral Location: Carolina Re	ose Sewer laterals		
Test		Location	Test Elev/Depth	Material/Layer
7	Lot 55		1st lift	Backfill
8	Lot 60		1st lift	Backfill

Comments	Legend	
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION	



Report No: FDR:03114217-29

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager) 1/10/2024

12/29/2023

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number:

65455

Date Tested:

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2195 Standard Count: Moisture: 664

Weather: Clear

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03114217-2-S2	Mixed in-place	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	106.6	19.7

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	129.6	21.3	+1.6	0 το +4	106.8	100.2	≥98	Α
2	D 6938	03114217-2-S2	6	127.5	19.9	+0.2	$0 \tau o +4$	106.3	99.7	≥98	Α
3	D 6938	03114217-2-S2	6	128.0	20.5	+0.8	0 το +4	106.2	99.6	≥98	Α
4	D 6938	03114217-2-S2	6	128.6	19.9	+0.2	0 το +4	107.3	100.7	≥98	Α
5	D 6938	03114217-2-S2	6	129.0	20.9	+1.2	0 το +4	106.7	100.1	≥98	Α
6	D 6938	03114217-2-S2	6	128.2	20.0	+0.3	$0 \tau o +4$	106.8	100.2	≥98	Α

Loc	ation			
Gen	eral Location: Musk Rose S	ewer laterals		
Test No.		Location	Test Elev/Depth	Material/Layer
1	Lot 4		1st lift	Backfill
2	Lot 9		1st lift	Backfill
3	Lot 14		1st lift	Backfill
4	Lot 19		1st lift	Backfill
5	Lot 4		Final lift	Backfill
6	Lot 9		Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-29

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

deleter and		
Date of Iss	ue:	1/10/2024

Test	Results										United the
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.8	22.8	+3.1	0 το +4	104.9	98.4	≥98	Α
8	D 6938	03114217-2-S2	6	128.1	22.0	+2.3	0 το +4	105.0	98.5	≥98	Α

Loc	cation		
Gen	eral Location: Musk Rose Sewer laterals		
Tes	t Location	Test Elev/Depth	Material/Layer
7	Lot 14	Final lift	Backfill
8	Lot 19	Final lift	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-2

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/5/2024

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Direct Transmission

Test Mode:

Serial Number: Weather:

Sample ID

65455

Clear to Partly Cloudy

Date Tested:

5/17/2024

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2173 Standard Count: Moisture: 680

Proctor Information Supplier MDD OWC (%) Material Method (lb/ft3)

Brown Lean Clay wSand (CH) (Subgrade / Backfill / 03114420-1-S2 On Site Stockpile

General Fill)(From Rose Valley 1A)

Standard ASTM D698

106.6

19.7

				valle	y IA)						
Test I	Results										
Test No.	Method	Proctor Sample ID	Probe Depth (in.)		Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-1-S2	6	125.9	19.9	+0.2	$-2 \tau o +2$	105.0	98.5	≥98	Α
2	D 6938	03114420-1-S2	6	125.9	19.9	+0.2	$-2 \tau o +2$	105.0	98.5	≥98	Α
3	D 6938	03114420-1-S2	6	126.2	19.9	+0.2	$-2 \tau o +2$	105.3	98.7	≥98	Α
4	D 6938	03114420-1-S2	6	126.1	20.2	+0.5	$-2 \tau o +2$	104.9	98.4	≥98	Α
5	D 6938	03114420-1-S2	6	126.8	19.8	+0.1	-2 το +2	105.8	99.3	≥98	Α
6	D 6938	03114420-1-S2	6	127.1	20.9	+1.2	$-2 \tau o +2$	105.1	98.6	≥98	Α
7	D 6938	03114420-1-52	6	127.3	21.0	+1.3	-2 to +2	105.2	98.7	>08	Δ

Loc	cation				
Gen	eral Location: Musk Ros	se Street utility trench			
Tes No.		Location	Lift	Test Elev/Depth	Material/Laye
1	Lot 14		1	6	Backfill
2	Lot 16		1	6	Backfill
3	Lot 19		1	6	Backfill
4	Lot 22		1	6	Backfill
5	Lot 24		1	6	Backfill
6	Lot 26		1	6	Backfill
7	Lot 28		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-2

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Approved Signatory: Ernesto Gomez (Project Manager)

pprovou eignator		Source le	. 0,000	*****
Date of Issue:	6/5/2024			

Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	127.0	21.3	+1.6	-2 τo +2	104.7	98.2	≥98	Α

8	D 6938	3 03114420-1-S2	6	127.0	21.3	+1.6	$-2 \tau o +2$	104.7	98.2	≥98	Α
Loc	ation										
Gen	eral Location	: Musk Rose Street utility trend	ch								
Test		Location					Lift	Test E	lev/Depth	Materia	I/Layer
8	Lot 30						1		6	Bac	kfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Professional Service Industries, Inc. Three Burwood Lane Texas Firm Registration No. F-03307

San Antonio, TX 78216 Phone: (210) 342-9377

Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-2

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/5/2024

Test F	Results									
Test No.	Method	Proctor Sample ID				OWC Var Spec (%)		Comp (%)	Comp Spec (%)	Results
			(in.)	(lb/ft³)	(%)	 	(lb/ft³)			

8	D 6938	03114420-1-S2	6	127.0	21.3	+1.6	$-2 \tau o +2$	104.7	98.2	≥98	Α
Loc	ation										
Gene	ral Location:	Musk Rose Street utility tren	ch								
Test No.	Location						Lift	Test E	lev/Depth	Material	/Layer
8	Lot 30						1		6	Back	cfill

Comments	Legend	
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION	



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-3

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 6/5/2024

Testing Details

Tested By:

Benjamin Urbina

ASTM D 6938

VK Knowlton

Contractor: Test Mode:

Direct Transmission

Serial Number: Weather:

Field Methods:

65455 Clear

Date Tested:

5/18/2024

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2156

Standard Count: Moisture: 679

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%
03114420-1-S2	On Site Stockpile	Brown Lean Clay wSand (CH) (Subgrade / Backfill / General Fill)(From Rose Valley 1A)	Standard ASTM D698	106.6	19.7

Test	Method	Proctor Sample ID			Water	owc	OWC Var	Dry	Comp	Comp	Results
No.			Depth (in.)	Density (lb/ft³)	Content (%)	Var (%)	Spec (%)	Density (lb/ft³)	(%)	Spec (%)	
1	D 6938	03114420-1-S2	6	125.5	19.8	+0.1	$-2 \tau o +2$	104.8	98.3	≥98	Α
2	D 6938	03114420-1-S2	6	125.6	19.9	+0.2	$-2 \tau o +2$	104.8	98.3	≥98	Α
3	D 6938	03114420-1-S2	6	126.9	20.0	+0.3	$-2 \tau o +2$	105.8	99.2	≥98	Α
4	D 6938	03114420-1-S2	6	126.2	20.2	+0.5	$-2 \tau o +2$	105.0	98.5	≥98	Α
5	D 6938	03114420-1-S2		127.1	21.3	+1.6	$-2 \tau o +2$	104.8	98.3	≥98	Α
6	D 6938	03114420-1-S2	6	127.3	20.2	+0.5	$-2 \tau o +2$	105.9	99.3	≥98	Α
7	D 6938	03114420-1-S2	6	126.9	20.3	+0.6	-2 τo +2	105.5	99.0	≥98	Α

Loc	ation				
Gen	eral Location: Carolina	Rose St utility trench			
Tes No.		Location	Lift	Test Elev/Depth	Material/Layer
1	Lot 2		1	6	Backfill
2	Lot 4		1	6	Backfill
3	Lot 6		1	6	Backfill
4	Lot 8		1	6	Backfill
5	Lot 10		1	6	Backfill
6	Lot 12		1	6	Backfill
7	Lot 14		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-3

Issue No: 1

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agement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/5/2024

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	127.8	19.8	+0.1	$-2 \tau o +2$	106.7	100.1	≥98	Α
9	D 6938	03114420-1-S2	6	127.9	20.8	+1.1	$-2 \tau o +2$	105.9	99.3	≥98	Α
10	D 6938	03114420-1-S2	6	126.8	19.9	+0.2	$-2 \tau o +2$	105.8	99.2	≥98	Α

	cation eral Location: Carolina Ro	se St utility trench			
Test No.		Location	Lift	Test Elev/Depth	Material/Layer
8	Lot 16		1	6	Backfill
9	Lot 18		1	6	Backfill
10	Lot 20		1	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-4

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engagement

Approved Signatory: Ernesto Gomez (Project Manager) 6/5/2024 Date of Issue:

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Weather:

Clear to Partly Cloudy

Date Tested:

5/20/2024

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2210 Standard Count: Moisture: 685

octor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%
03114420-1-S2	On Site Stockpile	Brown Lean Clay wSand (CH) (Subgrade / Backfill / General Fill)(From Rose Valley 1A)	Standard ASTM D698	106.6	19.7

	Results		_					ANISSESSES CONTRACTOR			
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-1-S2	6	127.8	20.2	+0.5	$-2 \tau o +2$	106.3	99.7	≥98	Α
2	D 6938	03114420-1-S2	6	126.3	20.1	+0.4	$-2 \tau o +2$	105.2	98.7	≥98	Α
3	D 6938	03114420-1-S2	6	126.9	20.6	+0.9	$-2 \tau o +2$	105.2	98.7	≥98	Α
4	D 6938	03114420-1-S2	6	127.1	20.1	+0.4	$-2 \tau o +2$	105.8	99.3	≥98	Α
5	D 6938	03114420-1-S2	6	127.4	20.0	+0.3	$-2 \tau o +2$	106.2	99.6	≥98	Α
6	D 6938	03114420-1-S2	6	127.9	20.5	+0.8	$-2 \tau o +2$	106.1	99.6	≥98	Α

Loc	ation				
Gen	eral Location:	Musk Rose St utility trench			
Test		Location	Lift	Test Elev/Depth	Material/Layer
1	Lot 15		2	6	Backfill
2	Lot 17		2	6	Backfill
3	Lot 20		2	6	Backfill
4	Lot 24		2	6	Backfill
5	Lot 27		2	6	Backfill
6	Lot 31		2	6	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-5

Issue No: 1

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non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 6/5/2024

Date of Issue:

Testing Details

Tested By:

Roberto Cardenas

ASTM D 6938

Field Methods: Contractor:

VK Knowlton

Direct Transmission

Test Mode: Serial Number:

Weather:

70466

Clear to Partly Cloudy

Date Tested:

5/21/2024

Troxler/3430P

Gauge Make/Model: Standard Count: Density: 2630

Standard Count: Moisture: 665

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-1-S2	6	124.0	18.6	-1.1	-2 τo +2	104.6	98.1	≥98	Α
2	D 6938	03114420-1-S2	6	125.9	19.0	-0.7	$-2 \tau o +2$	105.8	99.2	≥98	Α
3	D 6938	03114420-1-S2	6	125.4	19.4	-0.3	-2 τo +2	105.0	98.5	≥98	Α
4	D 6938	03114420-1-S2	6	125.2	19.0	-0.7	$-2 \tau o +2$	105.2	98.7	≥98	Α
5	D 6938	03114420-1-S2	6	124.8	18.9	-0.8	$-2 \tau o +2$	105.0	98.5	≥98	Α
6	D 6938	03114420-1-S2	6	126.6	19.8	+0.1	-2 τo +2	105.7	99.1	≥98	Α
7	D 6938	03114420-1-S2	6	125.9	19.0	-0.7	$-2 \tau o +2$	105.8	99.2	≥98	Α

Loc	ation				
Gen	eral Location: Musk R	ose St - Sewer Laterals			
Test	-	Location	Lift	Test Elev/Depth	Material/Layer
1	Lot#1		2	6	Backfill
2	Lot #9		2	2rd lift	Backfill
3	Lot #10		2	6	Backfill
4	Lot #11		2	6	Backfill
5	Lot #12		2	6	Backfill
6	Lot #13		2	6	Backfill
Gen	eral Location: Carolina	a Rose St - Sewer Laterals			
Test No.	7	Location	Lift	Test Elev/Depth	Material/Layer
7	Lot #58			Final	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-5

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/5/2024

Test F	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	125.4	19.4	-0.3	$-2 \tau o +2$	105.0	98.5	≥98	Α
9	D 6938	03114420-1-S2	6	123.8	18.2	-1.5	$-2 \tau o +2$	104.7	98.3	≥98	Α
10	D 6938	03114420-1-S2	6	125.3	19.7	+0.0	$-2 \tau o +2$	104.7	98.2	≥98	Α
11	D 6938	03114420-1-S2	6	126.6	19.2	-0.5	$-2 \tau o +2$	106.2	99.6	≥98	Α
12	D 6938	03114420-1-S2	6	125.0	18.3	-1.4	$-2 \tau o +2$	105.7	99.1	≥98	Α
13	D 6938	03114420-1-S2	6	125.2	19.6	-0.1	$-2 \tau o +2$	104.7	98.2	≥98	Α
14	D 6938	03114420-1-S2	6	124.9	19.0	-0.7	$-2 \tau o +2$	105.0	98.5	≥98	Α
15	D 6938	03114420-1-S2	6	127.2	20.4	+0.7	$-2 \tau o +2$	105.6	99.1	≥98	Α
16	D 6938	03114420-1-S2	6	124.9	18.8	-0.9	$-2 \tau o +2$	105.1	98.6	≥98	Α
17	D 6938	03114420-1-S2	6	124.8	19.2	-0.5	$-2 \tau o +2$	104.7	98.2	≥98	Α
18	D 6938	03114420-1-S2	6	125.5	19.0	-0.7	$-2 \tau_0 + 2$	105.5	98.9	≥98	Α

Loc	ation			
Sene	eral Location: Carolina Rose	St - Sewer Laterals		
Test No.		Location	Test Elev/Depth	Material/Laye
8	Lot #54		Final	Backfill
9	Lot #51		Final	Backfill
10	Lot #48		Final	Backfill
11	Lot #46		Final	Backfill
12	Lot #45		Final	Backfill
13	Lot #44		Final	Backfill
14	Lot #43		Final	Backfill
15	Lot #42		Final	Backfill
16	Lot #41		Final	Backfill
17	Lot #38		Final	Backfill
18	Lot #36		Final	Backfill

Legend
OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON 1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-5

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/5/2024

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	125.4	19.4	-0.3	$-2 \tau o +2$	105.0	98.5	≥98	Α
9	D 6938	03114420-1-S2	6	123.8	18.2	-1.5	$-2 \tau o +2$	104.7	98.3	≥98	Α
10	D 6938	03114420-1-S2	6	125.3	19.7	+0.0	$-2 \tau o +2$	104.7	98.2	≥98	Α
11	D 6938	03114420-1-S2	6	126.6	19.2	-0.5	$-2 \tau o +2$	106.2	99.6	≥98	Α
12	D 6938	03114420-1-S2	6	125.0	18.3	-1.4	$-2 \tau o +2$	105.7	99.1	≥98	Α
13	D 6938	03114420-1-S2	6	125.2	19.6	-0.1	-2 το +2	104.7	98.2	≥98	Α
14	D 6938	03114420-1-S2	6	124.9	19.0	-0.7	$-2 \tau o +2$	105.0	98.5	≥98	Α
15	D 6938	03114420-1-S2	6	127.2	20.4	+0.7	$-2 \tau o +2$	105.6	99.1	≥98	Α
16	D 6938	03114420-1-S2	6	124.9	18.8	-0.9	$-2 \tau o +2$	105.1	98.6	≥98	Α
17	D 6938	03114420-1-S2	6	124.8	19.2	-0.5	-2 τo +2	104.7	98.2	≥98	Α
18	D 6938	03114420-1-S2	6	125.5	19.0	-0.7	$-2 \tau o +2$	105.5	98.9	≥98	Α

Gene	ral Location: Carolina Rose St - Sewer	Laterals		
Test No.		Location	Test Elev/Depth	Material/Layer
8	Lot #54		Final	Backfill
9	Lot #51		Final	Backfill
10	Lot #48		Final	Backfill
11	Lot #46		Final	Backfill
12	Lot #45		Final	Backfill
13	Lot #44		Final	Backfill
14	Lot #43		Final	Backfill
15	Lot #42		Final	Backfill
16	Lot #41		Final	Backfill
17	Lot #38		Final	Backfill
18	Lot #36		Final	Backfill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

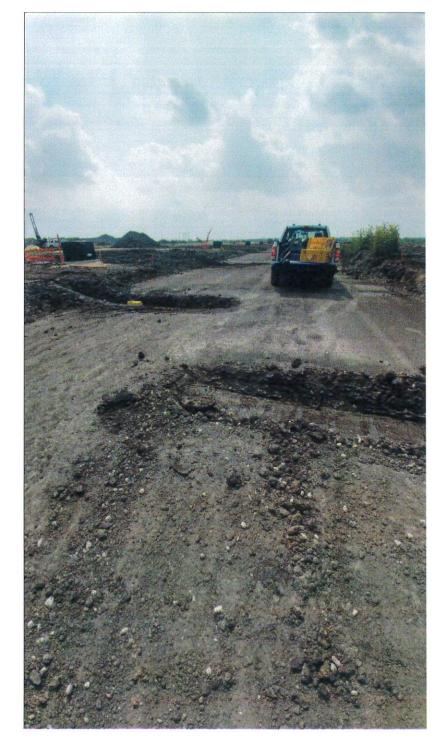
SAN ANTONIO, TX

Report No: FDR:03114420-5 Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/5/2024





Field Density Test Report

Client: LENNAR HOMES

CC. RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

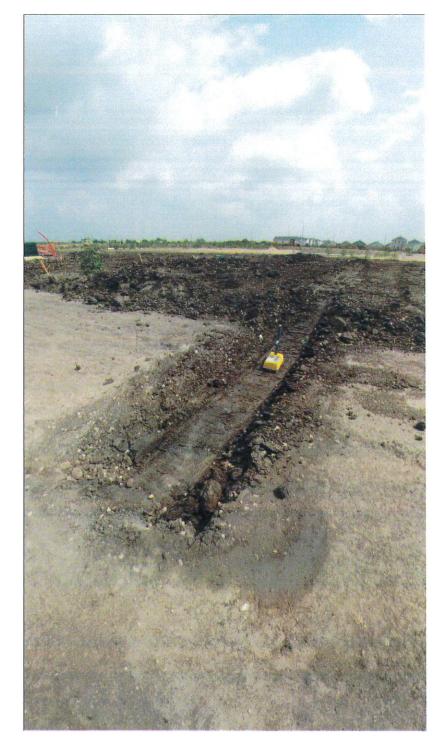
SAN ANTONIO, TX

Report No: FDR:03114420-5

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/5/2024





Field Density Test Report

LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

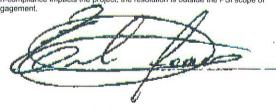
Project: ROSE VALLEY UNIT 1A CONVERSE, TX



Report No: FDR:03114217-53

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engagement.



Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 4/25/2024

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number:

65455

Weather:

Clear

Date Tested:

4/20/2024

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2168

Standard Count: Moisture: 673

The second second	4
Droctor	Information
FIOCEOI	HIIOHIIIauon

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%
03114217-2-S1	Mixed in-place	Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	99.5	23.2

Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)		OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	118.9	24.5	+1.3	0 το +3	95.5	96.0	≥95	Α
2	D 6938	03114217-2-S1	6	119.9	23.7	+0.5	0 το +3	96.9	97.4	≥95	Α
3	D 6938	03114217-2-S1	6	120.1	24.1	+0.9	0 το +3	96.8	97.3	≥95	Α
4	D 6938	03114217-2-S1	6	119.5	23.5	+0.3	0 το +3	96.8	97.3	≥95	Α

Loc	cation			
Gen	eral Location:	Golden Rose Street pavement		
Tes No.	□	Location	Test Elev/Depth	Material/Layer
1	At STA 30+20		Final lift	General Fill
2	At STA 31+40		Final lift	General Fill
Gen	eral Location:	Winged Rose Street pavement		
Tes No.	_	Location	Test Elev/Depth	Material/Layer
3	At STA 1+20		Final lift	General Fill
4	At STA 2+10		Final lift	General Fill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON 1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-54

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/25/2024

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor: Test Mode:

VK Knowlton

Direct Transmission

Serial Number:

65455

4/22/2024 **Date Tested:**

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2156 Standard Count: Moisture: 679

Weather: Clear

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%
03114217-2-S1	Mixed in-place	Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	99.5	23.2

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	119.1	24.5	+1.3	$0 \tau o +3$	95.7	96.2	≥95	Α
2	D 6938	03114217-2-S1	6	119.9	24.5	+1.3	0 το +3	96.3	96.8	≥95	Α
3	D 6938	03114217-2-S1	6	121.3	23.9	+0.7	0 το +3	97.9	98.4	≥95	Α
4	D 6938	03114217-2-S1	6	122.1	24.5	+1.3	0 το +4	98.1	98.6	≥95	Α

Loc	cation			
Gene	eral Location:	Carolina Rose Street pavement		
Test No.		Location	Test Elev/Depth	Material/Layer
1	At STA 12+60		Final lift	General Fill
Gene	eral Location:	Musk Rose Street pavement		
Test		Location	Test Elev/Depth	Material/Layer
2	At STA 1+10		Final lift	General Fill
3	At STA 2+60		Final lift	General Fill
4	At STA 4+00		Final lift	General Fill

Comments	Legend
	OWC = Optimum Water Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



CC: RYAN JOHNSON

Field Density Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-60

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/20/2024

6/4/2024

Testing Details

Tested By: Trevor Ahin

Field Methods: **ASTM D 6938**

Troxler/3430 Gauge Make/Model: Test Mode: **Direct Transmission**

Standard Count: Density: 1463 Serial Number: 28345

Standard Count: Moisture: 615

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OMC (%)
03114217-59-S1	Mixed in-place	Brown Clay (Lime Treated Subgrade)	Tex-114-E (Subgrade)	87.8	28.7
03114217-59-S5	Mixed in-place	Brown Clay (Lime Treated Subgrade)	Tex-114-E (Subgrade)	87.8	27.2
03114217-59-S4	Mixed in-place	Brown Clay (Lime Treated Subgrade)	Tex-114-E (Subgrade)	86.8	30.8

Date Tested:

Test	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-59-S1	6	109.4	29.0	+0.3	0 το +4	84.8	96.6	≥95	Α
2	D 6938	03114217-59-S1	6	108.1	29.1	+0.4	0 το +4	83.7	95.3	≥95	Α
3	D 6938	03114217-59-S5	6	107.2	28.0	+0.8	0 το +4	83.8	95.4	≥95	Α
4	D 6938	03114217-59-S5	6	111.0	30.1	+2.9	0 το +4	85.3	97.2	≥95	Α
5	D 6938	03114217-59-S5	6	107.7	28.1	+0.9	0 το +4	84.1	95.8	≥95	Α
6	D 6938	03114217-59-S5	6	109.8	27.2	+0.0	0 το +4	86.3	98.3	≥95	Α
7	D 6938	03114217-59-S4	6	112.1	31.1	+0.3	0 το +4	85.5	98.5	≥95	Α

Loc	ation			
Gene	eral Location: Golden Rose			
Test No.		Location	Test Elev/Depth	Material/Layer
1	Sta: 31+00		LIME SIZE. Subgrade	Lime Stab.
Gene	eral Location: Winged Rose			. Similaria
Test		Location	Test Elev/Depth	Material/Layer
2	Sta: 2+00		Lime Stab. Subgrade	Lime Stab.
Gene	eral Location: California Rose		Simorana	Sunnrana
Test		Location	Test Elev/Depth	Material/Layer
3	Sta: 34+00		Lime Stab.	Lime Stab.
4	Sta: 35+00		Subgrade Lime Stab.	Subarada Lime Stab.
			Subarada Lime Stab.	Subarada Lime Stab.
5	Sta:36+00		Subgrade	Subgrade

Comments

Legend

OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-60

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/20/2024

Loc	ation			
Gene	eral Location: California Ros	e		
Test No.		Location	Test Elev/Depth	Material/Layer
6	Sta: 42+00		Lime Stab. Subgrade	Little Stab.
Gene	eral Location: Carolina Rose			
Test No.		Location	Test Elev/Depth	Material/Layer
7	Sta: 3+00		Lime Stab. Subgrade	Lillie Stab. Subgrade

Comments	Legend
	OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: FDR:03114217-60

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

hbio.og ordinaror	y: Emedic Comez (i reject manager)
Date of Issue:	6/20/2024

	Results		DESCRIPTION OF THE PARTY.								
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114217-59-S5	6	112.7	27.5	+0.3	0 το +4	88.4	100.7	≥95	Α
9	D 6938	03114217-59-S5	6	111.1	28.0	+0.8	0 το +4	86.8	98.9	≥95	Α
10	D 6938	03114217-59-S5	6	110.5	27.8	+0.6	0 το +4	86.5	98.5	≥95	Α
11	D 6938	03114217-59-S5	6	111.5	28.1	+0.9	0 το +4	87.0	99.1	≥95	Α
12	D 6938	03114217-59-S1	6	111.7	29.0	+0.3	0 το +4	86.6	98.6	≥95	Α
13	D 6938	03114217-59-S1	6	113.7	29.5	+0.8	0 το +4	87.8	100.0	≥95	Α
14	D 6938	03114217-59-S1	6	112.2	29.9	+1.2	0 το +4	86.4	98.4	≥95	Α
15	D 6938	03114217-59-S1	6	110.2	28.9	+0.2	0 το +4	85.5	97.4	≥95	Α
16	D 6938	03114217-59-S1	6	111.0	29.0	+0.3	0 το +4	86.0	97.9	≥95	Α

Loc	ation			
Gen	eral Location: Carolina Ros	9		
Test		Location	Test Elev/Depth	Material/Layer
No.				,
8	Sta: 5+00		Lime Stab.	Lime Stab.
0	3la. 5+00		Subgrade	Subarada
9	Sta: 7+00		Lime Stab.	Lime Stab.
			Subgrade Lime Stab.	Subarada Lime Stab.
10	Sta: 9+00		Subgrade	Subgrade
44	01 1100		Lime Stab.	Lime Stab.
11	Sta: 11+00		Subgrade	Subgrade
Gen	eral Location: Musk Rose			
Test		Location	Test Elev/Depth	Material/Layer
No.			•	
12	Sta: 2+50		Lime Stab.	Lime Stap.
12	Sta. 2+30		Subarada	Subarada
13	Sta: 5+00		Lime Stab.	Lime Stab.
	Ctd. 0 · 00		Subarade	Subarada
14	Sta: 7+50		Lime Stab.	Lime Stab.
4.5	0. 0. 0.		Subgrade Lime Stab.	Subarada Lime Stab.
15	Sta: 9+50		Subgrade	Subgrade
16	Sta: 11+00		Lime Stab.	Lime Stab.
10	Sta. 11±00		Subgrade	Subarada

Legend						
OMC = Optimum Moisture Content MDD = Maximum Dry Density						
= -						
	Legend OMC = Optimum Moisture Content MDD = Maximum Dry Density					



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-8

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 6/19/2024

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Weather:

Clear

Date Tested:

6/12/2024

Gauge Make/Model:

Troxler/3430

Standard Count: Density: 2184 Standard Count: Moisture: 675

Proctor Information						
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OMC (%)	
03114420-9-S1	On-site Borrow Pit	Crushed Limestone (Vulcan O'Conner - Roadway Base)	Tex-113-E (Normal)	139.2	6.2	

Test I	Results										
Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-9-S1	6	145.6	6.9	+0.7	$-2 \tau o +2$	136.2	97.8	≥95	Α
2	D 6938	03114420-9-S1	4	144.6	6.8	+0.6	$-2 \tau o +2$	135.4	97.3	≥95	Α
3	D 6938	03114420-9-S1	4	145.6	7.1	+0.9	$-2 \tau o +2$	135.9	97.6	≥95	Α
4	D 6938	03114420-9-S1	4	146.1	7.9	+1.7	-2 τo +2	135.4	97.3	≥95	Α
5	D 6938	03114420-9-S1	4	145.3	7.1	+0.9	$-2 \tau o +2$	135.7	97.5	≥95	Α
6	D 6938	03114420-9-S1	4	145.5	7.5	+1.3	-2 το +2	135.3	97.2	≥95	Α
7	D 6938	03114420-9-S1	4	146.0	7.8	+1.6	$-2 \tau o +2$	135.4	97.3	≥95	Α

Loc	cation				
Gen	eral Location: Musk Rose	St.			
Test	₹8	Location	Lift	Test Elev/Depth	Material/Layer
1	At STA 3+20		1	6	Base (Pavement)
2	At STA 5+00		1	6	Base (Pavement)
3	At STA 8+00		1	6	Base (Pavement)
4	At STA 11+00		1	6	Base (Pavement)
Gen	eral Location: California R	ose St.			
Test		Location	Lift	Test Elev/Depth	Material/Layer
5	At STA 2+00		1	6	Base (Pavement)
6	At STA 5+00		1	6	Base (Pavement)
7	At STA 8+00		1	6	Base (Pavement)

Comments	Legend
	OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-8

sue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/19/2024

Test No.	Method	Proctor Sample ID		Wet Density (lb/ft³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-9-S1	4	145.0	6.9	+0.7	$-2 \tau o +2$	135.6	97.4	≥95	Α
9	D 6938	03114420-9-S1	6	146.2	7.9	+1.7	$-2 \tau o +2$	135.5	97.3	≥95	Α
10	D 6938	03114420-9-S1	4	146.3	6.9	+0.7	-2 τo +2	136.9	98.3	≥95	Α
11	D 6938	03114420-9-S1	4	145.6	7.3	+1.1	-2 το +2	135.7	97.5	≥95	Α
12	D 6938	03114420-9-S1	4	144.9	6.5	+0.3	-2 to +2	136.1	97.8	≥95	Α
13	D 6938	03114420-9-S1	4	145.1	7.8	+1.6	$-2 \tau o +2$	134.6	96.7	≥95	Α
14	D 6938	03114420-9-S1	4	145.8	7.5	+1.3	$-2 \tau o +2$	135.6	97.4	≥95	Α

17	D 0000	03114420	0 0 1		140.0	7.5	. 1.5	-2 to +2	100.0 31.4	293 A
Loc	ation									
Gene	ral Location:	California Rose St.								
Test No.			Loc	ation				Lift	Test Elev/Depth	Material/Layer
8	At STA 11+00							1	6	Base (Pavement)
Gene	ral Location:	Caroline Rose St.								
Test No.			Loc	ation				Lift	Test Elev/Depth	Material/Layer
9	At STA 1+00							1	6	Base (Pavement)
10	At STA 4+00							1	6	Base (Pavement)
11	At STA 7+00							1	6	Base (Pavement)
12	At STA 11+00							1	6	Base (Pavement)
Gene	ral Location:	Winged Rose St.								
Test No.		1	Loc	ation				Lift	Test Elev/Depth	Material/Layer
13	At STA 1+50							1	6	Base (Pavement)
Gene	ral Location:	Golden Rose St.								
Test No.			Loc	ation				Lift	Test Elev/Depth	Material/Layer
14	At STA 1+00							1	6	Base (Pavement)

Comments	Legend
	OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Fax: (210) 342-9401

Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-10

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 7/11/2024

Testing Details

Tested By:

Benjamin Urbina

Field Methods:

ASTM D 6938

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

65455

Date Tested:

6/26/2024

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2183 Standard Count: Moisture: 674

Weather: Clear

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OMC (%)
03114420-9-S1	On-site Borrow Pit	Crushed Limestone (Vulcan O'Conner - Roadway Base)	Tex-113-E (Normal)	139.2	6.2

Test	Results										
Test No.	Method	Proctor Sample ID			Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-9-S1	6	143.9	7.4	+1.2	$-2 \tau o +2$	134.0	96.3	≥95	Α
2	D 6938	03114420-9-S1	6	144.1	7.2	+1.0	-2 τo +2	134.4	96.6	≥95	Α
3	D 6938	03114420-9-S1	6	144.1	7.4	+1.2	$-2 \tau o +2$	134.2	96.4	≥95	Α
4	D 6938	03114420-9-S1	6	144.8	6.9	+0.7	-2 τo +2	135.5	97.3	≥95	Α
5	D 6938	03114420-9-S1	6	144.3	7.1	+0.9	$-2 \tau o +2$	134.7	96.8	≥95	Α
6	D 6938	03114420-9-S1	6	145.1	7.2	+1.0	-2 τo +2	135.4	97.3	≥95	Α
7	D 6938	03114420-9-S1	6	144.8	6.9	+0.7	$-2 \tau o +2$	135.5	97.3	≥95	Α

Loc	ation			
Gen	eral Location:	California Rose st. Pavement		
Test		Location	Test Elev/Depth	Material/Layer
1	At STA 43+50		Final lift	Base (Pavement)
2	At STA 45+50		Final lift	Base (Pavement)
3	At STA 47+50		Final lift	Base (Pavement)
4	At STA 49+50		Final lift	Base (Pavement)
Gen	eral Location:	Carolina Rose st. Pavement		
Test	t	Location	Test Elev/Depth	Material/Layer
5	At STA 2+00		Final lift	Base (Pavement)
6	At STA 4+00		Final lift	Base (Pavement)
7	At STA 6+00		Final lift	Base (Pavement)

Comments	Legend
	OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-10

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 7/11/2024

Test I	Results										
Test No.	Method	Proctor Sample ID			Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-9-S1	6	144.3	6.8	+0.6	$-2 \tau o +2$	135.1	97.1	≥95	Α
9	D 6938	03114420-9-S1	6	144.6	7.1	+0.9	$-2 \tau o +2$	135.0	97.0	≥95	Α

Loc	cation			
Gen	eral Location: Carolina Rose	st. Pavement		
Test		Location	Test Elev/Depth	Material/Layer
8	At STA 10+00		Final lift	Base (Pavement)
9	At STA 12+00		Final lift	Base (Pavement)

Comments	Legend
	OMC = Optimum Moisture Content MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: FDR:03114420-11

Issue No: 1

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engagement.



Approved Signatory: Ernesto Gomez (Project Manager)

7/11/2024 Date of Issue:

Testing Details

Tested By:

Eric Leal

ASTM D 6938

Field Methods:

Contractor:

VK Knowlton

Test Mode:

Direct Transmission

Serial Number:

29537

Date Tested:

6/28/2024

Gauge Make/Model: Troxler/3430 Standard Count: Density: 1636

Standard Count: Moisture: 620

Weather: Clear

Proctor Information					
Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OMC (%)
03114420-9-S1	On-site Borrow Pit	Crushed Limestone (Vulcan O'Conner - Roadway Base)	Tex-113-E (Normal)	139.2	6.2

Test	Results										
Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-9-S1	6	149.0	6.8	+0.6	$-2 \tau o +2$	139.5	100.2	≥95	Α
2	D 6938	03114420-9-S1	6	150.2	5.2	-1.0	$-2 \tau o +2$	142.8	102.6	≥95	Α
3	D 6938	03114420-9-S1	6	148.5	7.3	+1.1	$-2 \tau o +2$	138.4	99.4	≥95	Α
4	D 6938	03114420-9-S1	6	147.9	6.9	+0.7	$-2 \tau o +2$	138.4	99.4	≥95	Α
5	D 6938	03114420-9-S1	6	149.9	6.0	-0.2	$-2 \tau o +2$	141.4	101.6	≥95	Α
6	D 6938	03114420-9-S1	6	147.5	6.5	+0.3	$-2 \tau o +2$	138.5	99.5	≥95	Α
7	D 6938	03114420-9-S1	6	150.4	5.2	-1.0	$-2 \tau o +2$	143.0	102.7	≥95	Α

Loc	cation				
Gen	eral Location: Musk Rose	9			
Tes No.	="	Location	Lift	Test Elev/Depth	Material/Laye
1	Sta.2+00		1	6	Base (Pavement
2	Sta.3+50		1	6	Base (Pavement
3	Sta.5+00		1	6	Base (Pavement)
4	Sta.6+50		1	6	Base (Pavement
5	Sta.8+00		1	6	Base (Pavement
6	Sta.9+50		1	6	Base (Pavement
7	Sta.11+00		1	6	Base (Pavement)

Technician arrived at project site, as per schedule, to perform in place density testing. Upon completion and approval of results by CoSA Inspector Robert, contractor was informed of results. Legend

OMC = Optimum Moisture Content

MDD = Maximum Dry Density
A = TEST RESULTS COMPLY WITH SPECIFICATION



Field Density Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

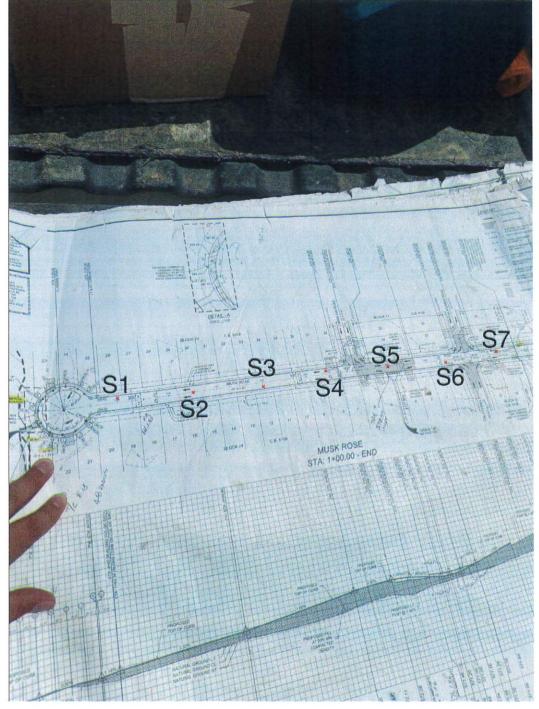
Report No: FDR:03114420-11

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 7/11/2024



Shot Locations



Material Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: MAT:03114217-2-S1

Issue No: 1

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non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 11/20/2023 Date of Issue:

Sample Details

Sample ID:

03114217-2-S1

Lift:

Client Sample ID: Lab #651 Contractor:

Date Sampled: Sampled By: Specification:

11/08/23 Eric Floyd

Subgrade Mixed in-place

Supplier: Source:

Mixed on site material

Material:

Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)

Sampling Method: Soil Description:

On-site mini-stockpile method Fat Clay w/Sand (CH), Brn

General Location:

First row

Location:

On site material

Other Test Results

Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	83.6	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination	Dry mass directly de	etermined	
Tested By	Nathan	Guerrero	
Method A Soaking Time (min)		180	
Date Tested	11	/14/2023	
Group Symbol	ASTM D 2487	CH	
Group Name	Fat clay	with sand	
Tested By	David	Rosales	
Date Tested	11	/17/2023	

Approximate maximum grain size **ASTM D 4318**

Material retained on 425µm (No. 40) (%) Method of Removal

5.3 Wet Sieving

Grooving Tool Type Specimen preparation method **Plastic**

Drying Method Special selection process Rolling Method for PL

Wet Air ASTM C702

As Received Water Content (%) Liquid Limit Device Type

Hand

Liquid Limit Plastic Limit Plasticity Index Liquid Limit Procedure Manual 50 18 32

One-point (B) Nathan Guerrero

11/14/2023

Particle Size Distribution

Method:

ASTM C 136, ASTM C 117

Drying By:

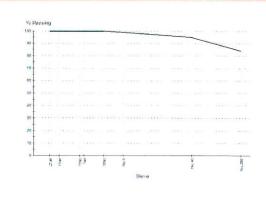
Oven

Date Tested: 11/15/2023 Tested By: Brandon Millican

Limits

Sieve Size	% Passing
2½in (63.0mm)	100
1¾in (45.0mm)	100
7/8in (22.4mm)	100
3/4in (19.0mm)	100
3/8in (9.5mm)	100
No.4 (4.75mm)	99
No.40 (425µm)	95
No.200 (75µm)	84

Chart



Comments

Tested By

Date Tested



Material Test Report

Client: LENNAR HOMES CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: MAT:03114217-2-S1

Limits

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/20/2023

Sample Details

Sample ID:

03114217-2-S1

Client Sample ID:

Lab #651

Contractor:

Date Sampled: Sampled By: Specification:

11/08/23 Eric Floyd

Subgrade

Supplier: Source:

Mixed in-place Mixed on site material

Material:

Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)

Sampling Method:

On-site mini-stockpile method

Soil Description:

Fat Clay w/Sand (CH), Brn

General Location: Location:

First row On site material

Other Test Results

	Description	Method	Result	Limits	
	Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	99.5		
ı	Corrected Maximum Dry Unit Weight (lbf/ft3)		99.5		
	Optimum Water Content (%)		23.2		
	Corrected Optimum Water Content (%)		23.2		
	Method		Α		
	Preparation Method		Moist		
	Rammer Type	4	1" Standard		
	Specific Gravity (Fines)	Estimated	2.65		
		ASTM D 698			
	Tested By	Brand	don Millican		
	Date Tested	Ÿ	11/14/2023		

Particle Size Distribution

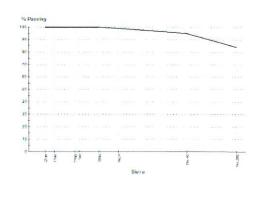
Method: ASTM C 136, ASTM C 117

Drying By: Oven Date Tested: 11/15/2023

Brandon Millican Tested By:

Sieve Size	% Passing
2½in (63.0mm)	100
13/4in (45.0mm)	100
7/8in (22.4mm)	100
3/4in (19.0mm)	100
3/8in (9.5mm)	100
No.4 (4.75mm)	99
No.40 (425µm)	95
No.200 (75µm)	84

Chart



Comments



Report No: PTR:03114217-2-S1

Issue No: 1

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: RYAN JOHNSON

non-compliance appears on this report, to the extent that the reported non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/20/2023

Sample Details

Sample ID:

03114217-2-S1

Date Sampled:

11/8/2023

Sampled By:

Eric Floyd

Supplier:

Mixed in-place

Material:

Brown Fat Clay w/Sand (CH), (Subgrade /

Backfill / General Fill)

General Location: First row

Tested By:

Brandon Millican

Client Sample ID: Lab #651

Date Received:

11/8/2023

Specification:

Subgrade

Source:

Mixed on site material

Sampling Method: On-site mini-stockpile method

Location:

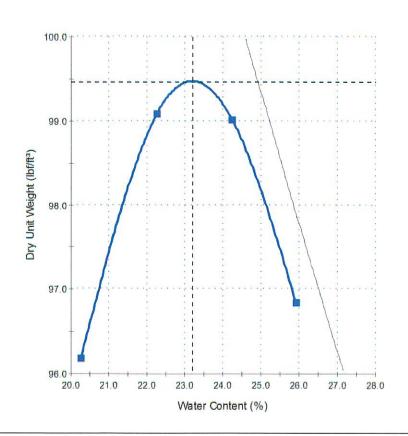
On site material

Date Tested:

11/14/2023

Dry Unit Weight - Water Content Relationship

0% Air Voids



Test Results

ASTM D 698

Maximum Dry Unit Weight

99.5

(lbf/ft3):

Optimum Water Content (%):

Method:

Preparation Method:

Moist

23.2

Rammer Type:

4" Standard

Specific Gravity (Fines):

2.65

Specific Gravity Method:

Estimated

Tested By:

Brandon Millican

Date Tested:

11/14/2023

ASTM D 4318

Liquid Limit (%):

50

Plastic Limit (%): Plasticity Index (%):

18 32

Tested By:

Nathan Guerrero

Date Tested:

11/14/2023



Material Test Report

LENNAR HOMES Client:

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: MAT:03114217-2-S2

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/20/2023

Sample Details

Sample ID:

03114217-2-S2

Client Sample ID:

Lab #652

Contractor:

Date Sampled: Sampled By:

11/08/23 Eric Floyd Subgrade

Specification: Supplier:

Mixed in-place

Source: Material: Mixed on site material

Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)

Result

Manual

47

14

33

Limits

Sampling Method: Soil Description:

On-site mini-stockpile method Lean Clay w/Sand (CL), Brn

Method

General Location:

First row

Location:

Description

On site material

Other Test Results

Material Finer than No. 200 (%)	ASTM D 1140 70).5
Test Method		
Initial dry mass (g)	1000	0.0
Dry mass determination	Dry mass directly determin	ed
Tested By	Nathan Guerre	ero
Method A Soaking Time (min)	180	
Date Tested	11/14/20	23
Group Symbol	ASTM D 2487	CL
Group Name	Lean clay with sand	
Tested By	David Rosales	
Date Tested	11/17/20	23

ASTM D 4318 Approximate maximum grain size

Material retained on 425µm (No. 40) (%) 14.0 Wet Sieving Method of Removal Grooving Tool Type **Plastic** Specimen preparation method Wet Drying Method Oven Special selection process ASTM C702 Hand

Rolling Method for PL As Received Water Content (%) Liquid Limit Device Type Liquid Limit Plastic Limit Plasticity Index

Liquid Limit Procedure One-point (B) Tested By Nathan Guerrero Date Tested 11/14/2023

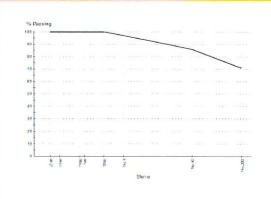
Particle Size Distribution

Method: ASTM C 136, ASTM C 117

Drying By: Oven Date Tested: 11/15/2023 Tested By: Brandon Millican

Sieve Size 2½in (63.0mm) 1¾in (45.0mm) 7/8in (22.4mm) ¾in (19.0mm) 3/8in (9.5mm) No.4 (4.75mm) No.40 (425µm) No.200 (75µm)	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
3/4in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	97	
No.40 (425µm)	86	
No.200 (75µm)	71	

Chart



Comments



Fax: (210) 342-9401

Material Test Report

Client: LENNAR HOMES CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: MAT:03114217-2-S2

Limits

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 11/20/2023

Sample Details

Sample ID:

03114217-2-S2 Lift: Contractor:

Client Sample ID:

Lab #652 11/08/23

Drying By:

Date Sampled: Sampled By:

Eric Floyd Subgrade

Specification: Supplier:

Mixed in-place

Source: Material: Mixed on site material

Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)

Sampling Method: Soil Description:

On-site mini-stockpile method Lean Clay w/Sand (CL), Brn

General Location:

First row

Location:

On site material

Other Test Results

Description	Method	Result	Limits	
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	106.6		
Corrected Maximum Dry Unit Weight (lbf/ft³)		106.6		
Optimum Water Content (%)		19.7		
Corrected Optimum Water Content (%)		19.7		
Method		Α		
Preparation Method		Moist		
Rammer Type	4	l" Standard		
Specific Gravity (Fines)	Estimated	2.65		
927 37	ASTM D 698			
Tested By	Brand	lon Millican		
Date Tested		11/14/2023		

Particle Size Distribution

Method:

ASTM C 136, ASTM C 117

Date Tested: 11/15/2023

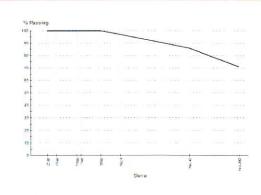
Oven

Tested By:

Brandon Millican

	Sieve Size	% Passing
	2½in (63.0mm)	100
	1¾in (45.0mm)	100
	7/8in (22.4mm)	100
	3/4in (19.0mm) 3/8in (9.5mm)	100
	3/8in (9.5mm)	100
۱	No.4 (4.75mm)	97
I	No.40 (425µm)	86
۱	No.40 (425µm) No.200 (75µm)	71

Chart



Comments



Report No: PTR:03114217-2-S2

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



CC: RYAN JOHNSON

non-compliance impacts the project, the resolution is outside the PSI scope of

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non-compliance appears on this report, to the extent that the reported

Approved Signatory: Ernesto Gomez (Project Manager) 11/20/2023

Sample Details

Sample ID:

03114217-2-S2

Date Sampled: Sampled By:

11/8/2023 Eric Floyd

Supplier:

Mixed in-place

Material:

Brown Lean Clay w/Sand (CL), (Subgrade /

Backfill / General Fill)

General Location: First row

Tested By:

Brandon Millican

Client Sample ID: Lab #652

Date Received:

11/8/2023

Specification:

Subgrade

Source:

Mixed on site material

Sampling Method: On-site mini-stockpile method

Location:

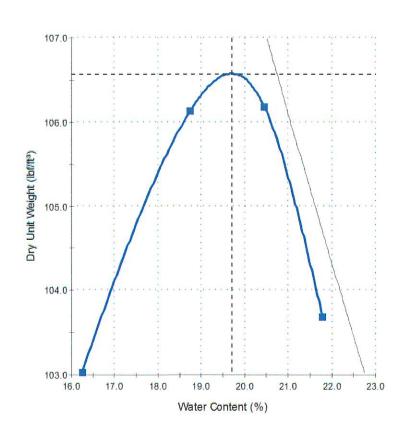
On site material

Date Tested:

11/14/2023

Dry Unit Weight - Water Content Relationship

0% Air Voids



Test Results

ASTM D 698

Maximum Dry Unit Weight

106.6

(lbf/ft3):

Optimum Water Content (%): Method:

Preparation Method:

Moist

19.7

Rammer Type:

4" Standard

Specific Gravity (Fines):

Specific Gravity Method:

2.65

Tested By:

Estimated Brandon Millican

11/14/2023

Date Tested:

ASTM D 4318

Liquid Limit (%): Plastic Limit (%): 47

Plasticity Index (%):

14

Tested By:

Nathan Guerrero

Date Tested:

11/14/2023



Material Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: MAT:03114217-55-S1

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 4/30/2024

Sample Details

Sample ID: 03114217-55-S1 Lift:

Client Sample ID: Contractor: Lab #217

Date Sampled: 04/21/24 Sampled By: Benjamin Urbina

Specification: Grade 1-2; 2014 Specification

Supplier: **Texas Materials** Source: Off-site Borrow Pit Material: Crushed Limestone

Sampling Method: On-site mini-stockpile method

Soil Description: Crushed Limestone **General Location:** Unit 1 Pavement Location: Material on site

Other Test Results

Description	Method	Result	Limits
Material Finer than 75µm (%)	ASTM D 1140	9.7	
Test Method			
Initial dry mass (g)		4862.5	
Dry mass determination	Dry mass directly de	etermined	
Tested By	David	d Rosales	
Date Tested		4/26/2024	
Group Symbol	ASTM D 2487		
Group Name			
Tested By	David	d Rosales	
Date Tested		4/30/2024	
Liquid Limit	Tex-104-E	20	≤40
Plastic Limit	Tex-105-E	13	
Plasticity Index	Tex-106-E	7	≤10
	Tex-104-E Part	į.	
Tested By		vid Garza	
Date Tested		4/25/2024	
Maximum Dry Density (lb/ft³)	Tex-113-E	139.8	
Optimum Water Content (%)		6.3	
Coefficient of Determination		0.9638	
Tested By	David	d Rosales	
Date Tested		4/26/2024	

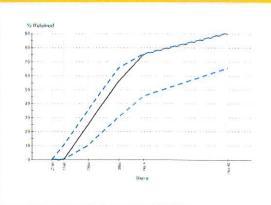
Particle Size Distribution

ASTM C 136, ASTM C 117 Method:

Drying By: Oven Date Tested: 4/29/2024 Tested By: **David Rosales**

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 το 10
7/8in (22.4mm)	25	10 το 35
3/8in (9.5mm)	56	30 το 65
No.4 (4.75mm)	75	45 το 75
No.40 (425µm)	90	65 το 90
10 10 100		

Chart



Comments



CC: RYAN JOHNSON

Report No: PTR:03114217-55-S1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 4/30/2024 Date of Issue:

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Sample Details

Sample ID: 03114217-55-S1 Date Sampled: 4/21/2024 Sampled By: Benjamin Urbina

Supplier: **Texas Materials** Material: Crushed Limestone

General Location: Unit 1 Pavement **David Rosales** Tested By:

Client Sample ID: Lab #217 Date Received: 4/21/2024 Specification:

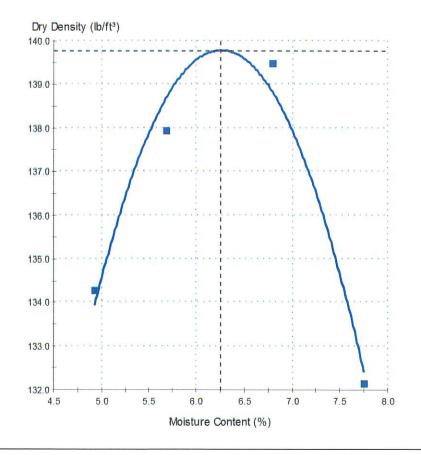
Grade 1-2; 2014 Specification

Source: Off-site Borrow Pit

Sampling Method: On-site mini-stockpile method

Location: Material on site 4/26/2024 Date Tested:

Dry Density - Moisture Content Relationship



Test Results

Tex-113-E

Maximum Dry Density (lb/ft3): 139.8 Optimum Water Content (%): 6.3 Coefficient of Determination: 0.9638

Tested By:

David Rosales

Date Tested:

4/26/2024

Tex-104-E Part I

Liquid Limit (%): 20 Plastic Limit (%): 13 Plasticity Index (%): 7

Tested By:

David Garza

Date Tested:

4/25/2024



Report No: MAT:03114217-55-S2

Material Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 4/30/2024

Sample Details

Sample ID:

03114217-55-S2 Lift:

Client Sample ID:

Lab #218

Contractor:

Date Sampled:

04/21/24

Sampled By:

Benjamin Urbina Lime Treated Subgrade

Specification: Supplier:

Source:

Mixed in-place

Material:

Mixed on site material

Sampling Method:

Brown Clay (Lime Treated Subgrade)

On-site mini-stockpile method

Soil Description: General Location: Lime Treated Brn Clay Musk rose street Material on site

Location:

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested	4	1/26/2024	
Liquid Limit	Tex-104-E	30	
Plastic Limit	Tex-105-E	13	
Plasticity Index	Tex-106-E	17	
	Tex-104-E Part I		
Tested By	Da	vid Garza	
Date Tested	4	1/25/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	93.3	
Optimum Water Content (%)		27.0	
Tested By	Da	vid Garza	
Date Tested	4	1/26/2024	

Particle Size Distribution

Chart



CC: RYAN JOHNSON

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Report No: PTR:03114217-55-S2

Issue No: 1

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engagement.



Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 4/30/2024 Date of Issue:

Sample Details

Sample ID: 03114217-55-S2

Date Sampled: 4/21/2024

Benjamin Urbina

Sampled By: Supplier:

Mixed in-place

Material:

Brown Clay (Lime Treated Subgrade)

Tested By:

General Location: Musk rose street

David Garza

Client Sample ID: Lab #218

Date Received:

4/21/2024

Specification: Source:

Lime Treated Subgrade Mixed on site material

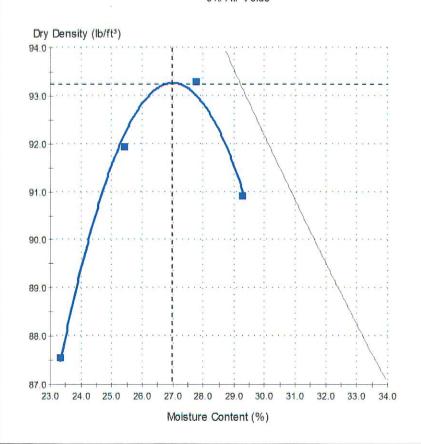
Sampling Method: On-site mini-stockpile method

Location: Date Tested: Material on site

4/26/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density (lb/ft3): 93.3 Optimum Water Content (%): 27.0

Tested By:

David Garza

Date Tested:

4/26/2024

Tex-104-E Part I

Liquid Limit (%):

30

Plastic Limit (%):

13

Plasticity Index (%):

17

Tested By: Date Tested: David Garza 4/25/2024



CC: RYAN JOHNSON

Report No: MAT:03114217-55-S3

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 4/30/2024

Particle Size Distribution

Material Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Sample Details

Sample ID: 03114217-55-S3 Lift:

Client Sample ID:

Lab #219

Contractor:

Date Sampled:

04/21/24

Sampled By:

Benjamin Urbina

Specification:

Lime Treated Subgrade

Supplier:

Mixed in-place

Source: Material: Mixed on site material

Brown Clay (Lime Treated Subgrade)

Sampling Method:

On-site mini-stockpile method

Soil Description: General Location: Lime Treated Brn Clay California rose street

Location:

Material on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested	4	1/26/2024	
Liquid Limit	Tex-104-E	32	
Plastic Limit	Tex-105-E	13	
Plasticity Index	Tex-106-E	19	
C 0.2 0 0.5	Tex-104-E Part I		
Tested By	Da	vid Garza	
Date Tested	4	1/25/2024	
Maximum Dry Density (lb/ft3)	Tex-114-E	89.9	
Optimum Water Content (%)		28.4	
Tested By	Da	vid Garza	
Date Tested	4	1/26/2024	

Chart

Comments



CC: RYAN JOHNSON

Fax: (210) 342-9401

Report No: PTR:03114217-55-S3

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 4/30/2024

Proctor Report

Client: **LENNAR HOMES**

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Sample Details

Sample ID: 03114217-55-S3

Date Sampled: 4/21/2024

Sampled By: Benjamin Urbina Supplier: Mixed in-place

Brown Clay (Lime Treated Subgrade) Material:

General Location: California rose street

Tested By: David Garza Client Sample ID: Lab #219

Date Received: 4/21/2024

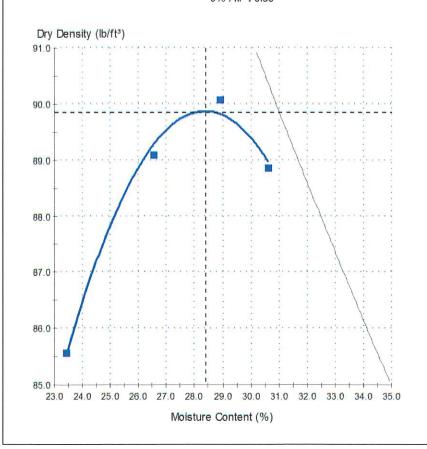
Specification: Lime Treated Subgrade Source: Mixed on site material

Sampling Method: On-site mini-stockpile method

Location: Material on site Date Tested: 4/26/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density (lb/ft3): 89.9 Optimum Water Content (%): 28.4

Tested By:

David Garza

Date Tested:

4/26/2024

Tex-104-E Part I

Liquid Limit (%):

32

Plastic Limit (%):

13

Plasticity Index (%):

19

Tested By: Date Tested: David Garza

4/25/2024



Report No: MAT:03114217-55-S4

Issue No: 1

Material Test Report

Client: LENNAR HOMES CC: RYAN JOHNSON

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



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Approved Signatory: Ernesto Gomez (Project Manager) 4/30/2024

Sample Details

Sample ID:

03114217-55-S4 Lift:

Client Sample ID:

Lab #220 Contractor:

Date Sampled:

04/21/24

Sampled By:

Benjamin Urbina

Specification:

Lime Treated Subgrade

Supplier:

Mixed in-place

Source:

Mixed on site material

Material:

Brown Clay (Lime Treated Subgrade)

Sampling Method:

On-site mini-stockpile method

Soil Description: General Location: Lime Treated Brn Clay Carolina rose streee

Location:

Material on street

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested	4	1/26/2024	
Liquid Limit	Tex-104-E	34	
Plastic Limit	Tex-105-E	13	
Plasticity Index	Tex-106-E	21	
SEC. 1	Tex-104-E Part I		
Tested By	Da	vid Garza	
Date Tested	4	1/25/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	86.5	
Optimum Water Content (%)		32.4	
Tested By	Da	vid Garza	
Date Tested	2	1/26/2024	

Particle Size Distribution

Chart

Comments



CC: RYAN JOHNSON

Proctor Report

Client: **LENNAR HOMES**

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Report No: PTR:03114217-55-S4

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engagement

Approved Signatory: Ernesto Gomez (Project Manager) 4/30/2024 Date of Issue:

Sample Details

Sample ID: 03114217-55-S4 Date Sampled: 4/21/2024

Sampled By: Benjamin Urbina Supplier: Mixed in-place

Brown Clay (Lime Treated Subgrade) Material:

General Location: Carolina rose streee

Tested By: David Garza Client Sample ID: Lab #220

Date Received: 4/21/2024

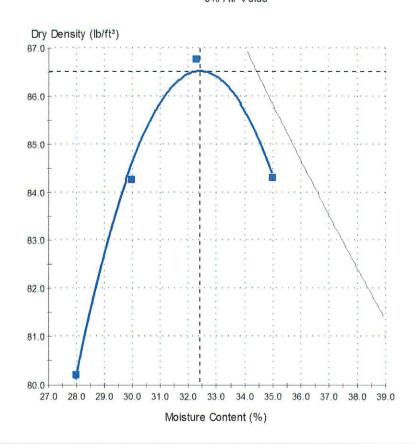
Specification: Lime Treated Subgrade Source: Mixed on site material Sampling Method: On-site mini-stockpile method

Location: Material on street

4/26/2024 Date Tested:

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density (lb/ft3): 86.5 Optimum Water Content (%): 32.4

Tested By: David Garza Date Tested:

4/26/2024

Tex-104-E Part I

Liquid Limit (%): 34 Plastic Limit (%): 13 Plasticity Index (%): 21

Tested By: David Garza Date Tested: 4/25/2024



CC: ELWERD WEIDERHOLD RYAN JOHNSON

Report No: MAT:03114217-59-S1

Issue No: 1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 6/3/2024 Date of Issue:

Particle Size Distribution

Material Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Sample Details

Sample ID: 03114217-59-S1 Lift:

Client Sample ID: Lab #332 Contractor:

Date Sampled: 05/28/24 Sampled By: Freddie Reed

Specification: Lime Treated Subgrade

Supplier: Mixed in-place

Source: Mixed on site material

Material: Brown Clay (Lime Treated Subgrade)

Sampling Method: On-site mini-stockpile method

Soil Description: Lime Treated Brn Clay General Location: RoadwayMusk rose Sta:9+00

Location: Material mixed on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	61	
Plastic Limit		46	
Plasticity Index		15	
Preparation Method		Wet	
Oversize Removed By	Hand during mixing on	glass plate	
Liquid Limit Apparatus		Manual	
Grooving Tool		Plastic	
Rolling		Hand	
Tested By	Na	talyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)		87.8	
Optimum Water Content (%)		28.7	
Coefficient of Determination		0.9552	
Tested By	D	avid Garza	
Date Tested		5/31/2024	

Chart

Comments



Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD



Report No: PTR:03114217-59-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) 6/3/2024

Sample Details

Sample ID: 03114217-59-S1 Date Sampled: 5/28/2024

Sampled By: Freddie Reed Supplier: Mixed in-place

Brown Clay (Lime Treated Subgrade) Material:

General Location: RoadwayMusk rose Sta:9+00

David Garza Tested By:

Client Sample ID: Lab #332

Date Received: 5/28/2024

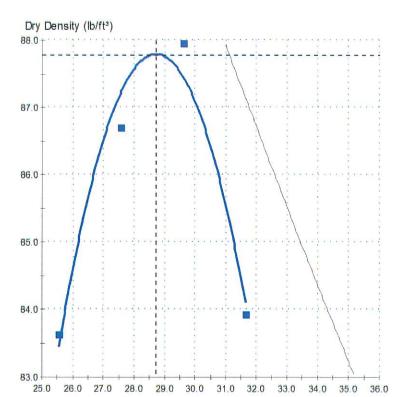
Specification: Lime Treated Subgrade Source: Mixed on site material

Sampling Method: On-site mini-stockpile method

Location: Material mixed on site

5/31/2024 Date Tested:

Dry Density - Moisture Content Relationship 0% Air Voids



Moisture Content (%)

Test Results

Tex-114-E

Maximum Dry Density 87.8

(lb/ft3):

Optimum Water Content 28.7

(%):

Coefficient of

0.9552

Determination:

Tested By:

David Garza

Date Tested: 5/31/2024

ASTM D4318

Liquid Limit: 61 Plastic Limit: 46 Plasticity Index: 15

Preparation Method:

Hand during mixing on glass

Oversize Removed By: plate

Liquid Limit Apparatus:

Manual Plastic

Wet

Grooving Tool: Rolling:

Hand Natalyn Miller

Tested By: Date Tested:

5/31/2024



Professional Service Industries, Inc. Three Burwood Lane San Antonio, TX 78216

Fax: (210) 342-9401

Material Test Report

LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Texas Firm Registration No. F-03307 Phone: (210) 342-9377

CC: ELWERD WEIDERHOLD

RYAN JOHNSON

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Report No: MAT:03114217-59-S2

engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 6/3/2024 Date of Issue:

Particle Size Distribution

Sample Details

Sample ID:

03114217-59-S2 Lift:

Client Sample ID:

Lab #333 Contractor:

Date Sampled:

05/28/24

Sampled By:

Freddie Reed

Specification:

Lime Treated Subgrade

Supplier:

Mixed in-place

Source:

Mixed on site material

Material:

Brown Clay (Lime Treated Subgrade)

Sampling Method:

On-site mini-stockpile method

Soil Description:

Lime Treated Brn Clay

General Location:

RoadwayMusk rose Sta:2+00 Material mixed on site

Location:

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	37	
Plastic Limit		20	
Plasticity Index		17	
Preparation Method		Wet	
Oversize Removed By	Hand during mixing on	glass plate	
Liquid Limit Apparatus		Manual	
Grooving Tool		Plastic	
Rolling		Hand	
Tested By	Nat	alyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	85.4	
Optimum Water Content (%)		32.7	
Tested By	Da	avid Garza	
Date Tested		5/31/2024	

Chart

Comments



Fax: (210) 342-9401

Proctor Report

Client: LENNAR HOMES

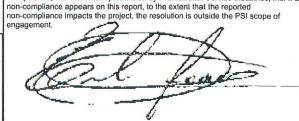
1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD



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Report No: PTR:03114217-59-S2

Issue No: 1

Approved Signatory: Ernesto Gomez (Project Manager)

Sample Details

Sample ID: 03114217-59-S2

Date Sampled: 5/28/2024 Sampled By: Freddie Reed Supplier: Mixed in-place

Material: Brown Clay (Lime Treated Subgrade)

General Location: RoadwayMusk rose Sta:2+00

Tested By: David Garza Client Sample ID: Lab #333

Date Received: 5/28/2024

Specification: Lime Treated Subgrade Source: Mixed on site material

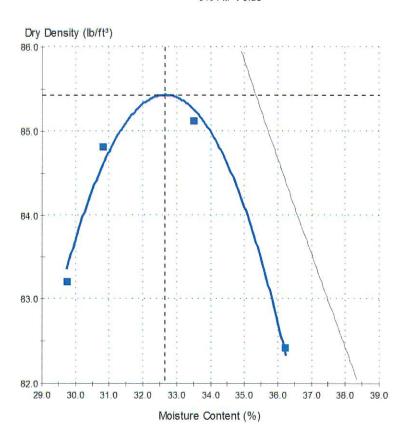
Sampling Method: On-site mini-stockpile method Material mixed on site

Location:

Date Tested: 5/31/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density 85.4

(lb/ft3):

Optimum Water Content 32.7

(%):

Tested By:

David Garza

Date Tested:

5/31/2024

ASTM D4318

Liquid Limit:

37 20

Plastic Limit:

17

Plasticity Index:

Wet

Preparation Method: Oversize Removed By:

Hand during mixing on glass

plate

Liquid Limit Apparatus:

Manual Plastic

Grooving Tool: Rolling:

Hand

Tested By:

Natalyn Miller

Date Tested:

5/31/2024



Phone: (210) 342-93 Fax: (210) 342-9401

Material Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

a a FLWEDD WEIDEDLIOLD

CC: ELWERD WEIDERHOLD-RYAN JOHNSON non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

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Report No: MAT:03114217-59-S3

Issue No: 1

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/3/2024

Particle Size Distribution

Sample Details

Sample ID: 03114217-59-S3 **Lift:**

Client Sample ID: Lab #334 Contractor:

Date Sampled: 05/28/24
Sampled By: Freddie Reed

Sampled By: Freddie Reed
Specification: Lime Treated Subgrade

Supplier: Mixed in-place

Source: Mixed on site material

Material: Brown Clay (Lime Treated Subgrade)

Sampling Method: On-site mini-stockpile method

Soil Description: Lime Treated Brn Clay
General Location: California Rose Sta:40+50
Location: Material mixed on site

Other Test Results

Other restriction			
Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	72	
Plastic Limit		53	
Plasticity Index		19	
Preparation Method		Wet	
Oversize Removed By	Hand during mixing on	glass plate	
Liquid Limit Apparatus		Manual	
Grooving Tool		Plastic	
Rolling		Hand	
Tested By	Na	talyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	87.3	
Optimum Water Content (%)		30.5	
Tested By	D	avid Garza	
Date Tested		5/31/2024	

Chart

Comments



Report No: PTR:03114217-59-S3

Proctor Report

LENNAR HOMES Client:

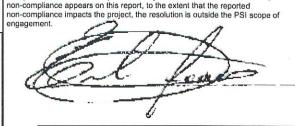
1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD RYAN JOHNSON



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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S3

Date Sampled:

5/28/2024

Sampled By:

Freddie Reed

Supplier:

Mixed in-place

Material:

Brown Clay (Lime Treated Subgrade)

General Location: California Rose Sta:40+50

Tested By:

David Garza

Client Sample ID: Lab #334

Date Received:

5/28/2024

Specification:

Lime Treated Subgrade

Source:

Mixed on site material Sampling Method: On-site mini-stockpile method

Location:

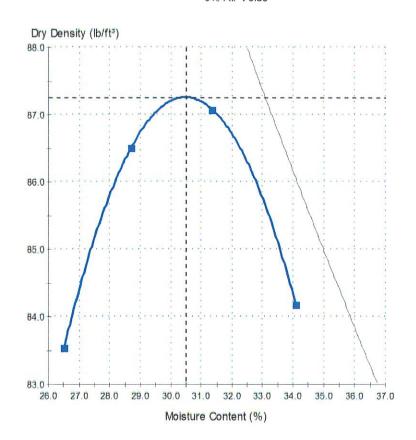
Material mixed on site

Date Tested:

5/31/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

ASTM D4318

Maximum Dry Density 87.3

(lb/ft3):

Optimum Water Content 30.5

(%):

Tested By:

David Garza

Date Tested:

5/31/2024

Liquid Limit:

72

Plastic Limit:

53 19

Plasticity Index:

Wet

Preparation Method: Oversize Removed By:

Hand during mixing on glass

Liquid Limit Apparatus:

plate Manual

Grooving Tool:

Plastic

Rolling:

Hand

Tested By:

Natalyn Miller

Date Tested:

5/31/2024



Report No: MAT:03114217-59-S4

ssue No: 1

Material Test Report

Client: LENNAR HOMES

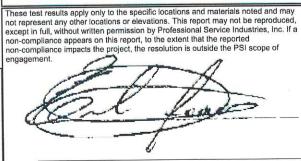
1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD RYAN JOHNSON



Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/3/2024

Sample Details

Sample ID:

03114217-59-S4 Lift:

Client Sample ID:

Lab #335

Contractor:

Date Sampled:

05/28/24

Sampled By:

Gabriel Garcia

Specification:

Lime Treated Subgrade

Supplier:

Mixed in-place

Source:

Mixed on site material

Material:

Brown Clay (Lime Treated Subgrade)

Sampling Method: Soil Description: On-site mini-stockpile method Lime Treated Brn Clay

General Location:

California Rose Sta:32+50

Location:

Material mixed on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	59	
Plastic Limit		42	
Plasticity Index		17	
Preparation Method		Wet	
Oversize Removed By	Hand during mixing on	•	
Liquid Limit Apparatus		Manual	
Grooving Tool	Plastic		
Rolling		Hand	
Tested By	Natalyn Miller		
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)		86.8	
Optimum Water Content (%)		30.8	
Tested By		avid Garza	
Date Tested		5/31/2024	
And all the second of the seco			

Particle Size Distribution

Chart

Comments

N/A

Page 1 of 1



Report No: PTR:03114217-59-S4

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD RYAN JOHNSON

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S4 **Date Sampled:** 5/28/2024

Sampled By: Gabriel Garcia Supplier: Mixed in-place

Material: Brown Clay (Lime Treated Subgrade)

General Location: California Rose Sta:32+50

Tested By: David Garza Client Sample ID: Lab #335

Date Received: 5/28/2024

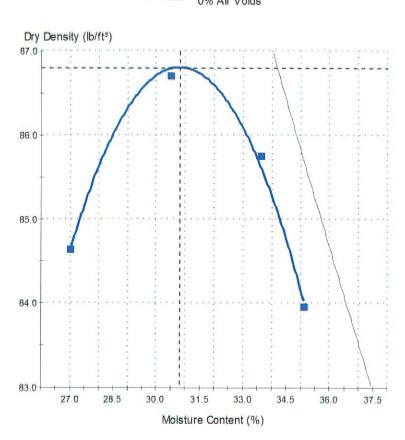
Specification: Lime Treated Subgrade Source: Mixed on site material Sampling Method: On-site mini-stockpile method

Location: Material mixed on site

Date Tested: 5/31/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density 86.8

(lb/ft3):

Optimum Water Content 30.8

(%):

Tested By:

David Garza

Date Tested:

5/31/2024

ASTM D4318

Liquid Limit:

59

Plastic Limit: Plasticity Index: 42

Preparation Method:

17 Wet

Oversize Removed By:

Hand during mixing on glass plate

Liquid Limit Apparatus:

Manual

Grooving Tool:

Plastic

Rolling:

Hand

Tested By: Date Tested: Natalyn Miller 5/31/2024



Fax: (210) 342-9401

Material Test Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD RYAN JOHNSON

Report No: MAT:03114217-59-S5

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S5 Lift:

Client Sample ID: Lab #336 Contractor:

Date Sampled: 05/28/24 Sampled By: Freddie Reed

Lime Treated Subgrade Specification:

Supplier: Mixed in-place

Source: Mixed on site material

Brown Clay (Lime Treated Subgrade) Material:

Sampling Method: On-site mini-stockpile method Lime Treated Brn Clay Soil Description: California Rose Sta:11+50 General Location: Location: Material mixed on site

Other Test Results

Other rest itesuits			
Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥1 2.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	63	
Plastic Limit		40	
Plasticity Index		23	
Preparation Method		Wet	
Oversize Removed By	Hand during mixing on	glass plate	
Liquid Limit Apparatus		Manual	
Grooving Tool		Plastic	
Rolling		Hand	
Tested By	Na	talyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	87.8	
Optimum Water Content (%)		27.2	
Tested By	D	avid Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments



CC: ELWERD WEIDERHOLD RYAN JOHNSON

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

Report No: PTR:03114217-59-S5

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S5 Date Sampled: 5/28/2024

Sampled By: Freddie Reed Supplier: Mixed in-place

Material: Brown Clay (Lime Treated Subgrade)

General Location: California Rose Sta:11+50

David Garza Tested By:

Client Sample ID: Lab #336

Date Received: 5/28/2024

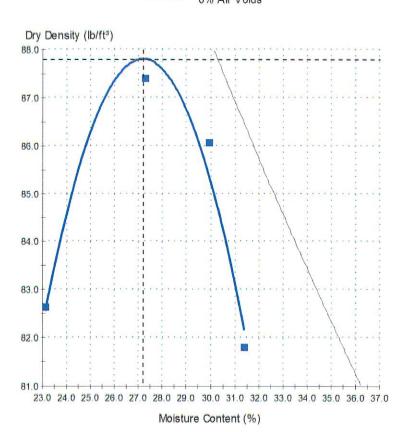
Specification: Lime Treated Subgrade Source: Mixed on site material Sampling Method: On-site mini-stockpile method

Location: Material mixed on site

Date Tested: 5/31/2024

Dry Density - Moisture Content Relationship

0% Air Voids



Test Results

Tex-114-E

Maximum Dry Density 87.8

(lb/ft3):

Optimum Water Content 27.2

(%):

Tested By:

David Garza

Date Tested:

5/31/2024

ASTM D4318

Liquid Limit:

63

Plastic Limit:

40

Plasticity Index:

23

Preparation Method: Oversize Removed By:

Wet

Hand during mixing on glass plate

Liquid Limit Apparatus:

Manual

Grooving Tool:

Plastic Hand

Rolling: Tested By:

Natalyn Miller

Date Tested:

5/31/2024



Report No: MAT:03114217-59-S6

Issue No: 1

Material Test Report

Client: LENNAR HOMES

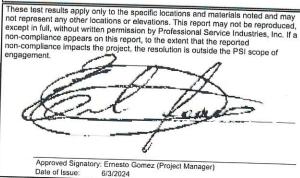
1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

CC: ELWERD WEIDERHOLD RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX



Sample Details

Sample ID:

03114217-59-S6 Lift:

Client Sample ID:

Lab #337

Contractor:

Date Sampled:

05/28/24

Sampled By: Specification:

Freddie Reed Lime Treated Subgrade

Supplier:

Mixed in-place

Source:

Mixed on site material

Material:

Brown Clay (Lime Treated Subgrade)

Sampling Method:

On-site mini-stockpile method

Soil Description:

Lime Treated Brn Clay California Rose Sta 2+50

General Location: Location:

Material mixed on site

Other Test Results

Method	Result	Limits
ASTM D 4972		Lillies
	700	
	_	≥1 2.4
	12.7	21 2.4
	5/31/2024	
	7 6 7 7 7	
Hand during mixing on a		
Tank daring mixing on g		
Note		
1ex-114-E	V ()	
_		
5	/31/2024	
	ASTM D 4972 ASTM D4318 Hand during mixing on g Nata 5 Tex-114-E Dav	ASTM D 4972 10 B 12.4 5/31/2024 ASTM D4318 49 36 13 Wet Hand during mixing on glass plate Manual Plastic Hand Natalyn Miller 5/31/2024

Particle Size Distribution

Chart

Comments



Report No: PTR:03114217-59-S6

Proctor Report

Client: **LENNAR HOMES**

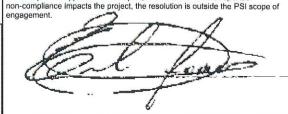
1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1A

CONVERSE, TX

CC: ELWERD WEIDERHOLD RYAN JOHNSON



These test results apply only to the specific locations and materials noted and may

not represent any other locations or elevations. This report may not be reproduced. except in full, without written permission by Professional Service Industries, Inc. If a

Approved Signatory: Ernesto Gomez (Project Manager) Date of Issue 6/3/2024

non-compliance appears on this report, to the extent that the reported

Sample Details

Sample ID: 03114217-59-S6

Date Sampled:

5/28/2024 Freddie Reed

Sampled By: Supplier:

Mixed in-place

Material:

Brown Clay (Lime Treated Subgrade)

General Location: California Rose Sta 2+50

Tested By:

David Garza

Client Sample ID: Lab #337

Date Received:

5/28/2024

Specification:

Lime Treated Subgrade Mixed on site material

Source:

Sampling Method: On-site mini-stockpile method

Location:

Material mixed on site

Date Tested:

5/31/2024

Test Results

Tex-114-E Maximum Dry Density 87.3

(lb/ft3):

Optimum Water Content 30.1

(%):

Tested By:

David Garza

Date Tested:

5/31/2024

ASTM D4318

Liquid Limit:

49

Plastic Limit:

36

Plasticity Index:

13

Preparation Method:

Wet

Oversize Removed By:

Hand during mixing on glass plate

Liquid Limit Apparatus:

Manual

Grooving Tool:

Plastic

Rolling:

Hand

Tested By:

Natalyn Miller

Date Tested:

5/31/2024

Dry Density - Moisture Content Relationship 0% Air Voids Dry Density (lb/ft3) 87.0 86.0 85.0 84.0 83.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0 33.0 34.0 35.0 36.0 37.0 Moisture Content (%)



Material Test Report

Client: LENNAR HOMES

CC: RYAN JOHNSON

Contractor:

Result

139.2

0.9995

6/10/2024

David Rosales

6.2

V. K. Knowlton

Limits

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: MAT:03114420-9-S1

Issue No: 1

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ngagement.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/12/2024

Sample Details

Sample ID: 03114420-9-S1 Lift:

Client Sample ID: Lab #356

Date Sampled: 06/05/24

Sampled By: Shawn Crawford

Specification: Grade 1-2; 2014 Specification

Supplier: On-site Borrow Pit
Source: Not Provided

Material: Crushed Limestone (Vulcan O'Conner - Roadway Base)

Sampling Method: On-site mini-stockpile method

Soil Description: Crushed Limestone

General Location: Roadway
Location: Material on site

Other Test Results

Description

Material Finer than 75µm (9	%) ASTM D 1140 25.4	
Test Method		
Initial dry mass (g)	4217.0	
Dry mass determination	Dry mass directly determined	
Tested By	David Rosales	
Date Tested	6/10/2024	
Group Symbol	ASTM D 2487	
Group Name		
Tested By	David Rosales	
Date Tested	6/12/2024	
Liquid Limit	ASTM D4318 23	
Plastic Limit	13	
Plasticity Index	10	
Preparation Method	Wet	
Oversize Removed By	Hand during mixing on glass plate	
Liquid Limit Apparatus	Manual	
Grooving Tool	Plastic	
Rolling	Hand	
Tested By	David Rosales	
Date Tested	6/10/2024	

Tex-113-E

Method

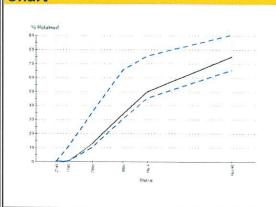
Particle Size Distribution

Method: ASTM C 136, ASTM C 117

Drying By: Oven
Date Tested: 6/10/2024
Tested By: David Rosales

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 το 10
7/8in (22.4mm)	13	10 το 35
3/8in (9.5mm)	34	30 το 65
No.4 (4.75mm)	50	45 το 75
No.40 (425µm)	75	65 το 90

Chart



Comments

Tested By

Date Tested

N/A

Maximum Dry Density (lb/ft3)

Optimum Water Content (%)

Coefficient of Determination



CC: RYAN JOHNSON

Proctor Report

Client: LENNAR HOMES

1922 DRY CREEK WAY, SUITE 101

SAN ANTONIO, TX 78259

Project: ROSE VALLEY UNIT 1B

SAN ANTONIO, TX

Report No: PTR:03114420-9-S1

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engagement.

Approved Signatory: Ernesto Gomez (Project Manager) 6/12/2024 Date of Issue:

Sample Details

Sample ID:

Date Sampled:

Sampled By:

Supplier:

Material:

General Location: Roadway

Tested By:

Roadway Base)

David Rosales

03114420-9-S1

Shawn Crawford

On-site Borrow Pit

6/5/2024

Client Sample ID: Lab #356

Date Received:

6/5/2024

Specification:

Grade 1-2; 2014 Specification

Source:

Not Provided

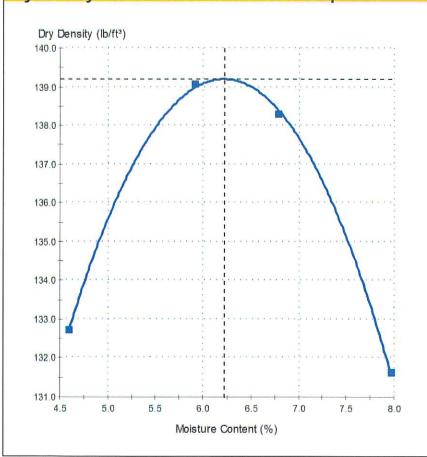
Sampling Method: On-site mini-stockpile method

Location: **Date Tested:**

Material on site 6/10/2024

Dry Density - Moisture Content Relationship

Crushed Limestone (Vulcan O'Conner -



Test Results

Tex-113-E

Maximum Dry Density 139.2

(lb/ft³):

Optimum Water Content 6.2

(%):

Coefficient of

0.9995

Determination:

Tested By:

David Rosales

Date Tested: 6/10/2024

ASTM D4318

Liquid Limit: Plastic Limit: 23

Plasticity Index:

13 10

Preparation Method:

Wet

Oversize Removed By:

Hand during mixing on glass

Liquid Limit Apparatus:

plate Manual

Grooving Tool:

Plastic

Rolling:

Hand

Tested By: Date Tested:

David Rosales 6/10/2024