



9/13

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

Report No: FDR:03114217-3

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

Testing Details

Tested By:	Trevor Ahin	Date Tested:	11/24/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	1486
Serial Number:	28345	Standard Count: Moisture:	627
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	12	127.1	20.4	+0.7	-2 to +2	105.6	99.1	≥98	A
2	D 6938	03114217-2-S2	12	129.4	21.6	+1.9	-2 to +2	106.4	99.8	≥98	A
3	D 6938	03114217-2-S2	12	128.1	21.7	+2.0	-2 to +2	105.3	98.8	≥98	A
4	D 6938	03114217-2-S2	12	127.5	20.4	+0.7	-2 to +2	105.9	99.3	≥98	A
5	D 6938	03114217-2-S2	12	128.1	21.0	+1.3	-2 to +2	105.9	99.3	≥98	A
6	D 6938	03114217-2-S2	12	127.2	19.8	+0.1	-2 to +2	106.2	99.6	≥98	A

Location

General 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

Final

Legend

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



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

Report No: FDR:03114217-3

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	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 to +2	105.4	98.9	≥98	A
8	D 6938	03114217-2-S2	12	127.4	20.9	+1.2	-2 to +2	105.4	98.9	≥98	A
9	D 6938	03114217-2-S2	12	128.6	21.4	+1.7	-2 to +2	105.9	99.3	≥98	A
10	D 6938	03114217-2-S2	12	128.2	21.7	+2.0	-2 to +2	105.3	98.8	≥98	A
11	D 6938	03114217-2-S2	12	127.6	21.6	+1.9	-2 to +2	104.9	98.4	≥98	A
12	D 6938	03114217-2-S2	12	129.4	21.7	+2.0	-2 to +2	106.3	99.7	≥98	A

Location

General 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

Final

Legend

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



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

Report No: FDR:03114217-3

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
13	D 6938	03114217-2-S2	12	127.8	20.1	+0.4	-2 to +2	106.4	99.8	≥98	A
14	D 6938	03114217-2-S2	12	127.2	21.4	+1.7	-2 to +2	104.8	98.3	≥98	A
15	D 6938	03114217-2-S2	12	127.4	20.7	+1.0	-2 to +2	105.6	99.1	≥98	A
16	D 6938	03114217-2-S2	12	127.1	21.4	+1.7	-2 to +2	104.7	98.2	≥98	A
17	D 6938	03114217-2-S2	12	127.3	21.6	+1.9	-2 to +2	104.7	98.2	≥98	A
18	D 6938	03114217-2-S2	12	127.4	21.5	+1.8	-2 to +2	104.9	98.4	≥98	A

Location

General Location: California Rose- Sewer main and services

Test No.	Location	Lift	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

General Location: Carolina Rose- Sewer main and services

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
17	Sta 12+30	3	6	Backfill
18	Sta 11+62	3	6	Backfill

Comments

Final

Legend

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



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

Report No: FDR:03114217-3

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

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

Location

General Location: Carolina Rose- Sewer main and services

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

Final

Legend

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



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

Report No: FDR:03114217-4

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/20/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2168
Serial Number:	65455	Standard Count: Moisture:	673
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	120.2	22.8	-0.4	-2 to +2	97.9	98.4	≥98	A
2	D 6938	03114217-2-S1	6	121.3	23.9	+0.7	-2 to +2	97.9	98.4	≥98	A
3	D 6938	03114217-2-S1	6	123.3	23.4	+0.2	-2 to +2	99.9	100.4	≥98	A
4	D 6938	03114217-2-S1	6	122.6	23.6	+0.4	-2 to +2	99.2	99.7	≥98	A
5	D 6938	03114217-2-S1	6	122.0	23.7	+0.5	-2 to +2	98.6	99.1	≥98	A
6	D 6938	03114217-2-S1	6	122.7	23.8	+0.6	-2 to +2	99.1	99.6	≥98	A

Location

General Location: 8" SS line H, California Rose

Test No.	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



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

Report No: FDR:03114217-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/21/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2183
Serial Number:	65455	Standard Count: Moisture:	694
Weather:	Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.9	19.9	+0.2	-2 to +2	105.8	99.2	≥98	A
2	D 6938	03114217-2-S2	6	125.6	19.9	+0.2	-2 to +2	104.8	98.3	≥98	A
3	D 6938	03114217-2-S2	6	126.2	20.0	+0.3	-2 to +2	105.2	98.7	≥98	A
4	D 6938	03114217-2-S2	6	126.1	19.9	+0.2	-2 to +2	105.2	98.7	≥98	A
5	D 6938	03114217-2-S2	6	126.1	20.2	+0.5	-2 to +2	104.9	98.4	≥98	A
6	D 6938	03114217-2-S2	6	127.0	19.9	+0.2	-2 to +2	105.9	99.3	≥98	A

Location

General Location: 8" SS line J, Caroline Rose

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114217-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	126.2	20.2	+0.5	-2 to +2	105.0	98.5	≥98	A
8	D 6938	03114217-2-S2	6	126.6	20.3	+0.6	-2 to +2	105.2	98.7	≥98	A
9	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	-2 to +2	105.6	99.1	≥98	A
10	D 6938	03114217-2-S2	6	127.2	20.3	+0.6	-2 to +2	105.7	99.2	≥98	A
11	D 6938	03114217-2-S2	6	127.9	20.0	+0.3	-2 to +2	106.6	100.0	≥98	A
12	D 6938	03114217-2-S2	6	127.8	19.8	+0.1	-2 to +2	106.7	100.1	≥98	A

Location

General 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

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



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

Report No: FDR:03114217-5

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
13	D 6938	03114217-2-S2	6	126.8	19.8	+0.1	-2 to +2	105.8	99.2	≥98	A
14	D 6938	03114217-2-S2	6	127.1	20.7	+1.0	-2 to +2	105.3	98.8	≥98	A

Location

General 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

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



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

Report No: FDR:03114217-6

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/22/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2176
Serial Number:	65455	Standard Count: Moisture:	671
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	121.9	23.4	+0.2	-2 to +2	98.8	99.3	≥98	A
2	D 6938	03114217-2-S1	6	124.6	23.6	+0.4	-2 to +2	100.8	101.3	≥98	A
3	D 6938	03114217-2-S1	6	124.6	23.3	+0.1	-2 to +2	101.1	101.6	≥98	A
4	D 6938	03114217-2-S1	6	122.1	23.5	+0.3	-2 to +2	98.9	99.4	≥98	A
5	D 6938	03114217-2-S1	6	122.7	23.5	+0.3	-2 to +2	99.4	99.9	≥98	A

Location

General Location: 8" SS line H, Redleaf Rose

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114217-7

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/25/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2169
Serial Number:	65455	Standard Count: Moisture:	657
Weather:	Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	125.6	19.9	+0.2	0 to +4	104.8	98.3	≥98	A
2	D 6938	03114217-2-S2	6	127.2	20.3	+0.6	0 to +4	105.7	99.2	≥98	A
3	D 6938	03114217-2-S2	6	127.4	19.9	+0.2	0 to +4	106.3	99.7	≥98	A
4	D 6938	03114217-2-S2	6	127.9	20.6	+0.9	0 to +4	106.1	99.5	≥98	A
5	D 6938	03114217-2-S2	6	127.9	19.9	+0.2	0 to +4	106.7	100.1	≥98	A
6	D 6938	03114217-2-S2	6	128.0	20.1	+0.4	0 to +4	106.6	100.0	≥98	A

Location

General Location: California Rose Sewer laterals

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114217-7

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.2	20.7	+1.0	0 to +4	106.2	99.6	≥98	A
8	D 6938	03114217-2-S2	6	127.6	19.8	+0.1	0 to +4	106.5	99.9	≥98	A
9	D 6938	03114217-2-S2	6	127.0	20.8	+1.1	0 to +4	105.1	98.6	≥98	A
10	D 6938	03114217-2-S2	6	126.9	19.7	+0.0	0 to +4	106.0	99.4	≥98	A
11	D 6938	03114217-2-S2	6	127.6	20.2	+0.5	0 to +4	106.2	99.6	≥98	A
12	D 6938	03114217-2-S2	6	127.1	20.9	+1.2	0 to +4	105.1	98.6	≥98	A

Location

General Location: California Rose Sewer laterals

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
7	Lot 45	1	6	Backfill

General Location: Carolina Rose Sewer laterals

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
8	Lot 4	1	6	Backfill
9	Lot 10	1	6	Backfill
10	Lot 15	1	6	Backfill
11	Lot 20	1	6	Backfill
12	Lot 25	1	6	Backfill

Comments

Legend

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



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

Report No: FDR:03114217-8

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/27/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2182
Serial Number:	65455	Standard Count: Moisture:	671
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.1	20.1	+0.4	0 to +4	105.0	98.5	≥98	A
2	D 6938	03114217-2-S2	6	126.9	19.9	+0.2	0 to +4	105.8	99.2	≥98	A
3	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	0 to +4	105.6	99.1	≥98	A
4	D 6938	03114217-2-S2	6	127.8	20.1	+0.4	0 to +4	106.4	99.8	≥98	A
5	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	0 to +4	105.9	99.3	≥98	A
6	D 6938	03114217-2-S2	6	127.8	21.0	+1.3	0 to +4	105.6	99.1	≥98	A

Location

General Location: Caroline 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



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

Report No: FDR:03114217-8

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.2	20.9	+1.2	0 to +4	106.0	99.4	≥98	A
8	D 6938	03114217-2-S2	6	127.7	21.1	+1.4	0 to +4	105.5	99.0	≥98	A
9	D 6938	03114217-2-S2	6	127.6	21.0	+1.3	0 to +4	105.5	99.0	≥98	A

Location

General Location: Caroline Rose Sewer laterals

Test No.	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



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

Report No: FDR:03114217-9

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	11/28/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2169
Serial Number:	65455	Standard Count: Moisture:	678
Weather:	Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	-2 to +2	105.6	99.1	≥98	A
2	D 6938	03114217-2-S2	6	127.6	20.2	+0.5	-2 to +2	106.2	99.6	≥98	A
3	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	-2 to +2	105.9	99.3	≥98	A
4	D 6938	03114217-2-S2	6	126.8	19.8	+0.1	-2 to +2	105.8	99.2	≥98	A
5	D 6938	03114217-2-S2	6	128.6	21.2	+1.5	-2 to +2	106.1	99.5	≥98	A
6	D 6938	03114217-2-S2	6	127.2	20.9	+1.2	-2 to +2	105.2	98.7	≥98	A

Location

General Location: 8" SS line H, California Rose

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114217-10

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
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 Results

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

Location

General Location: 8" SS 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



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

Report No: FDR:03114217-13

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Shawn Crawford	Date Tested:	12/4/2023
Field Methods:	ASTM D 6938		
Contractor:	cti	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	1771
Serial Number:	36377	Standard Count: Moisture:	639
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	124.4	18.1	-1.6	-2 to +2	105.3	98.8	≥98	A
2	D 6938	03114217-2-S2	6	124.4	17.8	-1.9	-2 to +2	105.6	99.1	≥98	A
3	D 6938	03114217-2-S2	6	125.6	19.1	-0.6	-2 to +2	105.5	99.0	≥98	A
4	D 6938	03114217-2-S2	6	126.3	19.5	-0.2	-2 to +2	105.7	99.2	≥98	A
5	D 6938	03114217-2-S2	6	125.9	20.1	+0.4	-2 to +2	104.8	98.3	≥98	A
6	D 6938	03114217-2-S2	6	127.4	19.6	-0.1	-2 to +2	106.5	99.9	≥98	A

Location

General 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



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

Report No: FDR:03114217-13

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 12/7/2023

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	127.1	20.2	+0.5	-2 to +2	105.7	99.2	≥98	A
8	D 6938	03114217-2-S2	6	126.6	19.8	+0.1	-2 to +2	105.7	99.2	≥98	A

Location

General Location: 6" sewer line lateral

Test No.	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



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

Report No: FDR:03114217-13

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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



Lot 43 tested 6" sewer lateral



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

Report No: FDR:03114217-14

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/5/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2156
Serial Number:	65455	Standard Count: Moisture:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.6	19.9	+0.2	-2 to +2	106.4	99.8	≥98	A
2	D 6938	03114217-2-S2	6	126.5	20.2	+0.5	-2 to +2	105.2	98.7	≥98	A
3	D 6938	03114217-2-S2	6	127.6	20.6	+0.9	-2 to +2	105.8	99.2	≥98	A
4	D 6938	03114217-2-S2	6	127.9	20.2	+0.5	-2 to +2	106.4	99.8	≥98	A

Location

General 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



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

Report No: FDR:03114217-22

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/15/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2199
Serial Number:	65455	Standard Count: Moisture:	658
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	125.6	20.1	+0.4	0 to +4	104.6	98.1	≥98	A
2	D 6938	03114217-2-S2	6	126.1	20.2	+0.5	0 to +4	104.9	98.4	≥98	A
3	D 6938	03114217-2-S2	6	125.9	19.9	+0.2	0 to +4	105.0	98.5	≥98	A
4	D 6938	03114217-2-S2	6	126.0	20.4	+0.7	0 to +4	104.7	98.2	≥98	A
5	D 6938	03114217-2-S2	6	125.9	19.9	+0.2	0 to +4	105.0	98.5	≥98	A
6	D 6938	03114217-2-S2	6	125.5	19.8	+0.1	0 to +4	104.8	98.3	≥98	A

Location

General Location: Main 8" Water Fire line

Test No.	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



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

Report No: FDR:03114217-22

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	126.2	20.3	+0.6	0 to +4	104.9	98.4	≥98	A
8	D 6938	03114217-2-S2	6	126.1	20.7	+1.0	0 to +4	104.5	98.0	≥98	A

Location

General Location: Main 8" Water Fire line

Test No.	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



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

Report No: FDR:03114217-25

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/21/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2182
Serial Number:	65455	Standard Count: Moisture:	699
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	126.1	19.9	+0.2	0 to +4	105.2	98.7	≥98	A
2	D 6938	03114217-2-S2	6	126.6	19.9	+0.2	0 to +4	105.6	99.1	≥98	A
3	D 6938	03114217-2-S2	6	127.1	19.8	+0.1	0 to +4	106.1	99.5	≥98	A
4	D 6938	03114217-2-S2	6	125.8	19.9	+0.2	0 to +4	104.9	98.4	≥98	A
5	D 6938	03114217-2-S2	6	127.5	20.2	+0.5	0 to +4	106.1	99.5	≥98	A

Location

General Location: 8" SS line A, Musk Rose

Test No.	Location	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114217-26

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/22/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2179
Serial Number:	65455	Standard Count: Moisture:	680
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.0	20.1	+0.4	0 to +4	105.7	99.2	≥98	A
2	D 6938	03114217-2-S2	6	127.3	20.6	+0.9	0 to +4	105.6	99.1	≥98	A
3	D 6938	03114217-2-S2	6	127.4	20.8	+1.1	0 to +4	105.5	99.0	≥98	A
4	D 6938	03114217-2-S2	6	127.9	20.0	+0.3	0 to +4	106.6	100.0	≥98	A
5	D 6938	03114217-2-S2	6	127.9	19.9	+0.2	0 to +4	106.7	100.1	≥98	A
6	D 6938	03114217-2-S2	6	127.8	20.6	+0.9	0 to +4	106.0	99.4	≥98	A

Location

General Location: 8" SS line A, Musk Rose

Test No.	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



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

Report No: FDR:03114217-26

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	127.4	19.9	+0.2	0 to +4	106.3	99.7	≥98	A
8	D 6938	03114217-2-S2	6	128.0	20.9	+1.2	0 to +4	105.9	99.3	≥98	A
9	D 6938	03114217-2-S2	6	127.8	19.7	+0.0	0 to +4	106.8	100.2	≥98	A
10	D 6938	03114217-2-S2	6	127.8	20.1	+0.4	0 to +4	106.4	99.8	≥98	A

Location

General Location: 8" SS line A, Musk Rose

Test No.	Location	Test Elev/Depth	Material/Layer
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

Comments

Legend

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



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

Report No: FDR:03114217-27

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/26/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2156
Serial Number:	65455	Standard Count: Moisture:	671
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	127.1	19.9	+0.2	0 to +4	106.0	99.4	≥98	A
2	D 6938	03114217-2-S2	6	126.9	19.8	+0.1	0 to +4	105.9	99.3	≥98	A
3	D 6938	03114217-2-S2	6	128.2	20.0	+0.3	0 to +4	106.8	100.2	≥98	A
4	D 6938	03114217-2-S2	6	128.1	20.1	+0.4	0 to +4	106.7	100.1	≥98	A
5	D 6938	03114217-2-S2	6	127.9	19.8	+0.1	0 to +4	106.8	100.2	≥98	A
6	D 6938	03114217-2-S2	6	128.8	20.1	+0.4	0 to +4	107.2	100.6	≥98	A

Location

General Location: California Rose Sewer laterals

Test No.	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



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

Report No: FDR:03114217-27

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.9	21.1	+1.4	0 to +4	106.4	99.8	≥98	A

Location

General Location: California Rose Sewer laterals

Test No.	Location	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



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

Report No: FDR:03114217-28

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259
CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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: 12/27/2023
Gauge Make/Model: Troxler/3430
Standard Count: Density: 2183
Standard Count: Moisture: 671

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	128.2	20.9	+1.2	0 to +4	106.0	99.4	≥98	A
2	D 6938	03114217-2-S2	6	129.0	22.1	+2.4	0 to +4	105.7	99.2	≥98	A
3	D 6938	03114217-2-S2	6	128.8	21.3	+1.6	0 to +4	106.2	99.6	≥98	A
4	D 6938	03114217-2-S2	6	127.8	19.7	+0.0	0 to +4	106.8	100.2	≥98	A
5	D 6938	03114217-2-S2	6	127.2	19.7	+0.0	0 to +4	106.3	99.7	≥98	A
6	D 6938	03114217-2-S2	6	128.0	22.2	+2.5	0 to +4	104.7	98.2	≥98	A

Location

General Location: Carolina Rose Sewer laterals

Test 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



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

Report No: FDR:03114217-28

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	127.8	21.9	+2.2	0 to +4	104.8	98.3	≥98	A
8	D 6938	03114217-2-S2	6	127.2	21.5	+1.8	0 to +4	104.7	98.2	≥98	A

Location

General Location: Carolina Rose Sewer laterals

Test No.	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



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

Report No: FDR:03114217-29

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	12/29/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2195
Serial Number:	65455	Standard Count: Moisture:	664
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S2	6	129.6	21.3	+1.6	0 to +4	106.8	100.2	≥98	A
2	D 6938	03114217-2-S2	6	127.5	19.9	+0.2	0 to +4	106.3	99.7	≥98	A
3	D 6938	03114217-2-S2	6	128.0	20.5	+0.8	0 to +4	106.2	99.6	≥98	A
4	D 6938	03114217-2-S2	6	128.6	19.9	+0.2	0 to +4	107.3	100.7	≥98	A
5	D 6938	03114217-2-S2	6	129.0	20.9	+1.2	0 to +4	106.7	100.1	≥98	A
6	D 6938	03114217-2-S2	6	128.2	20.0	+0.3	0 to +4	106.8	100.2	≥98	A

Location

General Location: Musk Rose Sewer 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



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

Report No: FDR:03114217-29

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03114217-2-S2	6	128.8	22.8	+3.1	0 to +4	104.9	98.4	≥98	A
8	D 6938	03114217-2-S2	6	128.1	22.0	+2.3	0 to +4	105.0	98.5	≥98	A

Location

General Location: Musk Rose Sewer laterals

Test No.	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



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

Report No: FDR:03114420-2

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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: 5/17/2024
Gauge Make/Model: Troxler/3430
Standard Count: Density: 2173
Standard Count: Moisture: 680

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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 Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-1-S2	6	125.9	19.9	+0.2	-2 to +2	105.0	98.5	≥98	A
2	D 6938	03114420-1-S2	6	125.9	19.9	+0.2	-2 to +2	105.0	98.5	≥98	A
3	D 6938	03114420-1-S2	6	126.2	19.9	+0.2	-2 to +2	105.3	98.7	≥98	A
4	D 6938	03114420-1-S2	6	126.1	20.2	+0.5	-2 to +2	104.9	98.4	≥98	A
5	D 6938	03114420-1-S2	6	126.8	19.8	+0.1	-2 to +2	105.8	99.3	≥98	A
6	D 6938	03114420-1-S2	6	127.1	20.9	+1.2	-2 to +2	105.1	98.6	≥98	A
7	D 6938	03114420-1-S2	6	127.3	21.0	+1.3	-2 to +2	105.2	98.7	≥98	A

Location

General Location: Musk Rose Street utility trench

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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



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

Report No: FDR:03114420-2

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	127.0	21.3	+1.6	-2 to +2	104.7	98.2	≥98	A

Location

General Location: Musk Rose Street utility trench

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
8	Lot 30	1	6	Backfill

Comments

Legend

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



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

Report No: FDR:03114420-2

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	127.0	21.3	+1.6	-2 to +2	104.7	98.2	≥98	A

Location

General Location: Musk Rose Street utility trench

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
8	Lot 30	1	6	Backfill

Comments

Legend

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



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

Report No: FDR:03114420-3

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	5/18/2024
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2156
Serial Number:	65455	Standard Count: Moisture:	679
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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 Results

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

Location

General Location: Carolina Rose St utility trench

Test 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



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

Report No: FDR:03114420-3

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	127.8	19.8	+0.1	-2 to +2	106.7	100.1	≥98	A
9	D 6938	03114420-1-S2	6	127.9	20.8	+1.1	-2 to +2	105.9	99.3	≥98	A
10	D 6938	03114420-1-S2	6	126.8	19.9	+0.2	-2 to +2	105.8	99.2	≥98	A

Location

General Location: Carolina Rose 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



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

Report No: FDR:03114420-4

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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 Results

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

Location

General Location: Musk Rose St utility trench

Test No.	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



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

Report No: FDR:03114420-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Testing Details

Tested By: Roberto Cardenas
Field Methods: ASTM D 6938
Contractor: VK Knowlton
Test Mode: Direct Transmission
Serial Number: 70466
Weather: Clear to Partly Cloudy

Date Tested: 5/21/2024
Gauge Make/Model: Troxler/3430P
Standard Count: Density: 2630
Standard Count: Moisture: 665

Test Results

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

Location

General Location: Musk Rose St - Sewer Laterals

Test No.	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

General Location: Carolina Rose St - Sewer Laterals

Test No.	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



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

Report No: FDR:03114420-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-1-S2	6	125.4	19.4	-0.3	-2 to +2	105.0	98.5	≥98	A
9	D 6938	03114420-1-S2	6	123.8	18.2	-1.5	-2 to +2	104.7	98.3	≥98	A
10	D 6938	03114420-1-S2	6	125.3	19.7	+0.0	-2 to +2	104.7	98.2	≥98	A
11	D 6938	03114420-1-S2	6	126.6	19.2	-0.5	-2 to +2	106.2	99.6	≥98	A
12	D 6938	03114420-1-S2	6	125.0	18.3	-1.4	-2 to +2	105.7	99.1	≥98	A
13	D 6938	03114420-1-S2	6	125.2	19.6	-0.1	-2 to +2	104.7	98.2	≥98	A
14	D 6938	03114420-1-S2	6	124.9	19.0	-0.7	-2 to +2	105.0	98.5	≥98	A
15	D 6938	03114420-1-S2	6	127.2	20.4	+0.7	-2 to +2	105.6	99.1	≥98	A
16	D 6938	03114420-1-S2	6	124.9	18.8	-0.9	-2 to +2	105.1	98.6	≥98	A
17	D 6938	03114420-1-S2	6	124.8	19.2	-0.5	-2 to +2	104.7	98.2	≥98	A
18	D 6938	03114420-1-S2	6	125.5	19.0	-0.7	-2 to +2	105.5	98.9	≥98	A

Location

General 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



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

Report No: FDR:03114420-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	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 to +2	105.0	98.5	≥98	A
9	D 6938	03114420-1-S2	6	123.8	18.2	-1.5	-2 to +2	104.7	98.3	≥98	A
10	D 6938	03114420-1-S2	6	125.3	19.7	+0.0	-2 to +2	104.7	98.2	≥98	A
11	D 6938	03114420-1-S2	6	126.6	19.2	-0.5	-2 to +2	106.2	99.6	≥98	A
12	D 6938	03114420-1-S2	6	125.0	18.3	-1.4	-2 to +2	105.7	99.1	≥98	A
13	D 6938	03114420-1-S2	6	125.2	19.6	-0.1	-2 to +2	104.7	98.2	≥98	A
14	D 6938	03114420-1-S2	6	124.9	19.0	-0.7	-2 to +2	105.0	98.5	≥98	A
15	D 6938	03114420-1-S2	6	127.2	20.4	+0.7	-2 to +2	105.6	99.1	≥98	A
16	D 6938	03114420-1-S2	6	124.9	18.8	-0.9	-2 to +2	105.1	98.6	≥98	A
17	D 6938	03114420-1-S2	6	124.8	19.2	-0.5	-2 to +2	104.7	98.2	≥98	A
18	D 6938	03114420-1-S2	6	125.5	19.0	-0.7	-2 to +2	105.5	98.9	≥98	A

Location

General 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



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

Report No: FDR:03114420-5

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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





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

Report No: FDR:03114420-5

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX





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

Report No: FDR:03114217-53

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259
CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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: 4/20/2024
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	Probe Depth (in.)	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	118.9	24.5	+1.3	0 to +3	95.5	96.0	≥95	A
2	D 6938	03114217-2-S1	6	119.9	23.7	+0.5	0 to +3	96.9	97.4	≥95	A
3	D 6938	03114217-2-S1	6	120.1	24.1	+0.9	0 to +3	96.8	97.3	≥95	A
4	D 6938	03114217-2-S1	6	119.5	23.5	+0.3	0 to +3	96.8	97.3	≥95	A

Location

General Location: Golden Rose Street pavement

Test 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

General Location: Winged Rose Street pavement

Test 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



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

Report No: FDR:03114217-54

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	4/22/2024
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2156
Serial Number:	65455	Standard Count: Moisture:	679
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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	Probe Depth (in.)	Wet Density (lb/ft ³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114217-2-S1	6	119.1	24.5	+1.3	0 to +3	95.7	96.2	≥95	A
2	D 6938	03114217-2-S1	6	119.9	24.5	+1.3	0 to +3	96.3	96.8	≥95	A
3	D 6938	03114217-2-S1	6	121.3	23.9	+0.7	0 to +3	97.9	98.4	≥95	A
4	D 6938	03114217-2-S1	6	122.1	24.5	+1.3	0 to +4	98.1	98.6	≥95	A

Location

General Location: Carolina Rose Street pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 12+60	Final lift	General Fill

General Location: Musk Rose Street pavement

Test No.	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



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

Report No: FDR:03114217-60

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

13

Testing Details

Tested By: Trevor Ahin
Field Methods: ASTM D 6938
Gauge Make/Model: Troxler/3430
Standard Count: Density: 1463
Standard Count: Moisture: 615

Date Tested: 6/4/2024
Test Mode: Direct Transmission
Serial Number: 28345

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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

Test Results

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

Location

General Location: Golden Rose

Test No.	Location	Test Elev/Depth	Material/Layer
1	Sta: 31+00	Lime Stab. Subgrade	Lime Stab. Subgrade

General Location: Winged Rose

Test No.	Location	Test Elev/Depth	Material/Layer
2	Sta: 2+00	Lime Stab. Subgrade	Lime Stab. Subgrade

General Location: California Rose

Test No.	Location	Test Elev/Depth	Material/Layer
3	Sta: 34+00	Lime Stab. Subgrade	Lime Stab. Subgrade
4	Sta: 35+00	Lime Stab. Subgrade	Lime Stab. Subgrade
5	Sta: 36+00	Lime Stab. Subgrade	Lime Stab. Subgrade

Comments

Legend

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



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

Report No: FDR:03114217-60

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

Location

General Location: California Rose

Test No.	Location	Test Elev/Depth	Material/Layer
6	Sta: 42+00	Lime Stab. Subgrade	Lime Stab. Subgrade

General Location: Carolina Rose

Test No.	Location	Test Elev/Depth	Material/Layer
7	Sta: 3+00	Lime Stab. Subgrade	Lime Stab. Subgrade

Comments

Legend

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



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

Report No: FDR:03114217-60

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114217-59-S5	6	112.7	27.5	+0.3	0 to +4	88.4	100.7	≥95	A
9	D 6938	03114217-59-S5	6	111.1	28.0	+0.8	0 to +4	86.8	98.9	≥95	A
10	D 6938	03114217-59-S5	6	110.5	27.8	+0.6	0 to +4	86.5	98.5	≥95	A
11	D 6938	03114217-59-S5	6	111.5	28.1	+0.9	0 to +4	87.0	99.1	≥95	A
12	D 6938	03114217-59-S1	6	111.7	29.0	+0.3	0 to +4	86.6	98.6	≥95	A
13	D 6938	03114217-59-S1	6	113.7	29.5	+0.8	0 to +4	87.8	100.0	≥95	A
14	D 6938	03114217-59-S1	6	112.2	29.9	+1.2	0 to +4	86.4	98.4	≥95	A
15	D 6938	03114217-59-S1	6	110.2	28.9	+0.2	0 to +4	85.5	97.4	≥95	A
16	D 6938	03114217-59-S1	6	111.0	29.0	+0.3	0 to +4	86.0	97.9	≥95	A

Location

General Location: Carolina Rose

Test No.	Location	Test Elev/Depth	Material/Layer
8	Sta: 5+00	Limbe Stab.	Limbe Stab.
9	Sta: 7+00	Subgrade	Subgrade
10	Sta: 9+00	Subgrade	Subgrade
11	Sta: 11+00	Subgrade	Subgrade

General Location: Musk Rose

Test No.	Location	Test Elev/Depth	Material/Layer
12	Sta: 2+50	Limbe Stab.	Limbe Stab.
13	Sta: 5+00	Subgrade	Subgrade
14	Sta: 7+50	Subgrade	Subgrade
15	Sta: 9+50	Subgrade	Subgrade
16	Sta: 11+00	Subgrade	Subgrade

Comments

Legend

OMC = Optimum Moisture Content
MDD = Maximum Dry Density



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

Report No: FDR:03114420-8

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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/ft ³)	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/ft ³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-9-S1	6	145.6	6.9	+0.7	-2 to +2	136.2	97.8	≥95	A
2	D 6938	03114420-9-S1	4	144.6	6.8	+0.6	-2 to +2	135.4	97.3	≥95	A
3	D 6938	03114420-9-S1	4	145.6	7.1	+0.9	-2 to +2	135.9	97.6	≥95	A
4	D 6938	03114420-9-S1	4	146.1	7.9	+1.7	-2 to +2	135.4	97.3	≥95	A
5	D 6938	03114420-9-S1	4	145.3	7.1	+0.9	-2 to +2	135.7	97.5	≥95	A
6	D 6938	03114420-9-S1	4	145.5	7.5	+1.3	-2 to +2	135.3	97.2	≥95	A
7	D 6938	03114420-9-S1	4	146.0	7.8	+1.6	-2 to +2	135.4	97.3	≥95	A

Location

General Location: Musk Rose St.

Test No.	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)

General Location: California Rose St.

Test No.	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



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

Report No: FDR:03114420-8

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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
8	D 6938	03114420-9-S1	4	145.0	6.9	+0.7	-2 to +2	135.6	97.4	≥95	A
9	D 6938	03114420-9-S1	6	146.2	7.9	+1.7	-2 to +2	135.5	97.3	≥95	A
10	D 6938	03114420-9-S1	4	146.3	6.9	+0.7	-2 to +2	136.9	98.3	≥95	A
11	D 6938	03114420-9-S1	4	145.6	7.3	+1.1	-2 to +2	135.7	97.5	≥95	A
12	D 6938	03114420-9-S1	4	144.9	6.5	+0.3	-2 to +2	136.1	97.8	≥95	A
13	D 6938	03114420-9-S1	4	145.1	7.8	+1.6	-2 to +2	134.6	96.7	≥95	A
14	D 6938	03114420-9-S1	4	145.8	7.5	+1.3	-2 to +2	135.6	97.4	≥95	A

Location

General Location: California Rose St.

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
8	At STA 11+00	1	6	Base (Pavement)

General Location: Caroline Rose St.

Test No.	Location	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)

General Location: Winged Rose St.

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
13	At STA 1+50	1	6	Base (Pavement)

General Location: Golden Rose St.

Test No.	Location	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



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

Report No: FDR:03114420-10

Issue No: 1

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/26/2024
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2183
Serial Number:	65455	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	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	143.9	7.4	+1.2	-2 to +2	134.0	96.3	≥95	A
2	D 6938	03114420-9-S1	6	144.1	7.2	+1.0	-2 to +2	134.4	96.6	≥95	A
3	D 6938	03114420-9-S1	6	144.1	7.4	+1.2	-2 to +2	134.2	96.4	≥95	A
4	D 6938	03114420-9-S1	6	144.8	6.9	+0.7	-2 to +2	135.5	97.3	≥95	A
5	D 6938	03114420-9-S1	6	144.3	7.1	+0.9	-2 to +2	134.7	96.8	≥95	A
6	D 6938	03114420-9-S1	6	145.1	7.2	+1.0	-2 to +2	135.4	97.3	≥95	A
7	D 6938	03114420-9-S1	6	144.8	6.9	+0.7	-2 to +2	135.5	97.3	≥95	A

Location

General Location: California Rose st. Pavement

Test No.	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)

General Location: Carolina Rose st. Pavement

Test No.	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



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

Report No: FDR:03114420-10

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft ³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
8	D 6938	03114420-9-S1	6	144.3	6.8	+0.6	-2 to +2	135.1	97.1	≥95	A
9	D 6938	03114420-9-S1	6	144.6	7.1	+0.9	-2 to +2	135.0	97.0	≥95	A

Location

General Location: Carolina Rose st. Pavement

Test No.	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



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

Report No: FDR:03114420-11

Issue No: 1

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 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.

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

Field Density Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Testing Details

Tested By:	Eric Leal	Date Tested:	6/28/2024
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	1636
Serial Number:	29537	Standard Count: Moisture:	620
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	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/ft ³)	Moisture Content (%)	OMC Var	OMC Var Spec	Dry Density (lb/ft ³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03114420-9-S1	6	149.0	6.8	+0.6	-2 to +2	139.5	100.2	≥95	A
2	D 6938	03114420-9-S1	6	150.2	5.2	-1.0	-2 to +2	142.8	102.6	≥95	A
3	D 6938	03114420-9-S1	6	148.5	7.3	+1.1	-2 to +2	138.4	99.4	≥95	A
4	D 6938	03114420-9-S1	6	147.9	6.9	+0.7	-2 to +2	138.4	99.4	≥95	A
5	D 6938	03114420-9-S1	6	149.9	6.0	-0.2	-2 to +2	141.4	101.6	≥95	A
6	D 6938	03114420-9-S1	6	147.5	6.5	+0.3	-2 to +2	138.5	99.5	≥95	A
7	D 6938	03114420-9-S1	6	150.4	5.2	-1.0	-2 to +2	143.0	102.7	≥95	A

Location

General Location: Musk Rose

Test No.	Location	Lift	Test Elev/Depth	Material/Layer
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)

Comments

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



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

Report No: FDR:03114420-11

Issue No: 1

Field Density Test Report

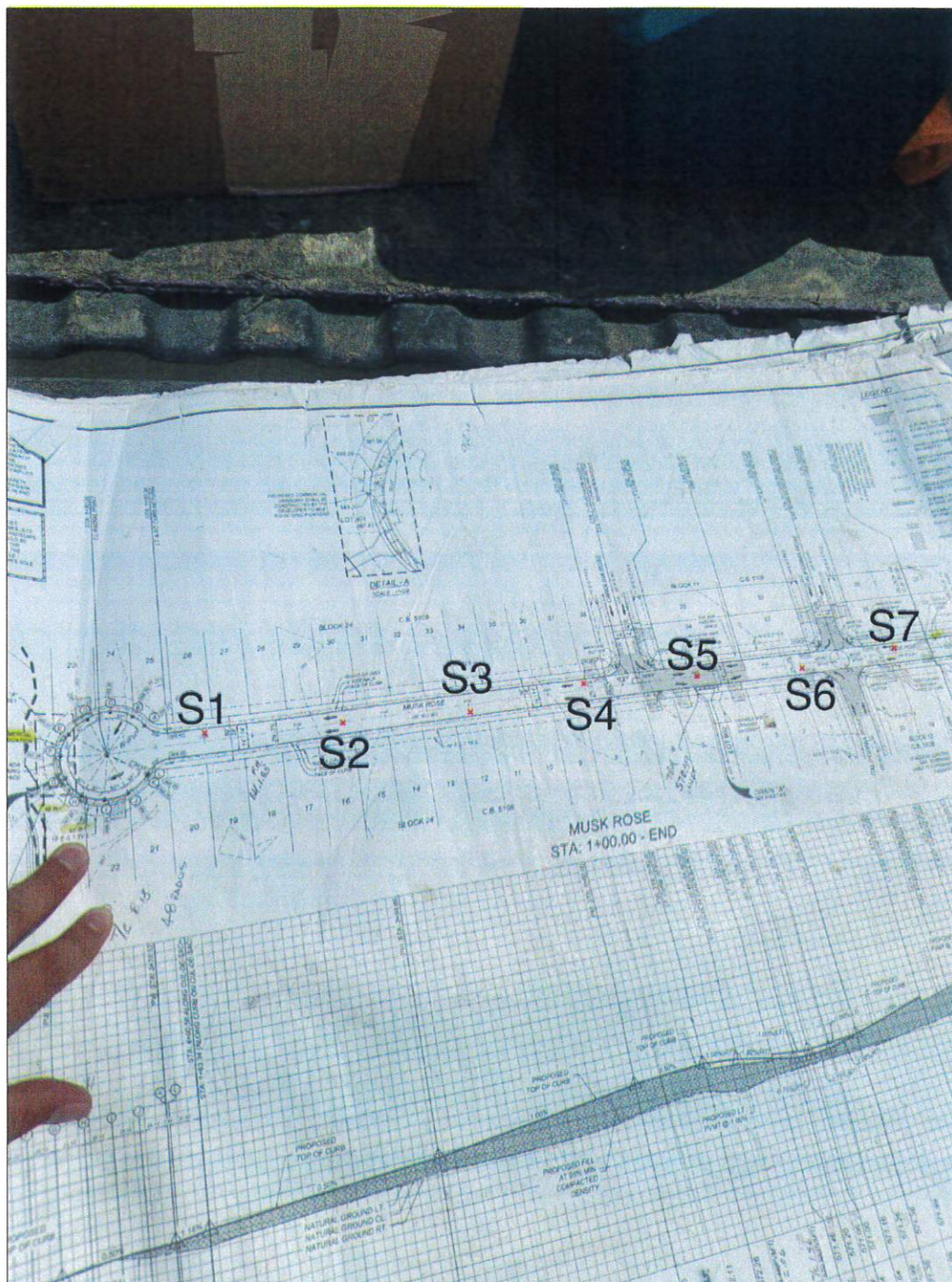
Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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



Shot Locations



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

Report No: MAT:03114217-2-S1

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-2-S1 **Lift:**
Client Sample ID: Lab #651 **Contractor:**
Date Sampled: 11/08/23
Sampled By: Eric Floyd
Specification: Subgrade
Supplier: Mixed in-place
Source: 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: First row
Location: On site material

Other Test Results

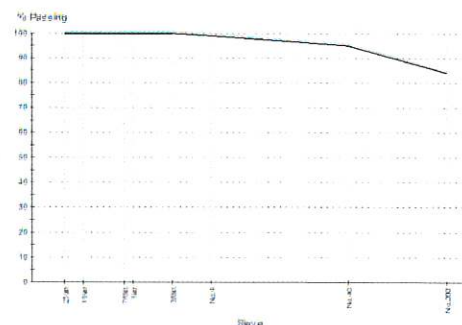
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	83.6	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination	Dry mass directly determined		
Tested By	Nathan Guerrero		
Method A Soaking Time (min)		180	
Date Tested		11/14/2023	
Group Symbol	ASTM D 2487	CH	
Group 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) (%)		5.3	
Method of Removal	Wet Sieving		
Grooving Tool Type	Plastic		
Specimen preparation method	Wet		
Drying Method	Air		
Special selection process	ASTM C702		
Rolling Method for PL	Hand		
As Received Water Content (%)			
Liquid Limit Device Type	Manual		
Liquid Limit		50	
Plastic Limit		18	
Plasticity Index		32	
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	% Passing	Limits
2 1/2 in (63.0mm)	100	
1 1/2 in (45.0mm)	100	
7/8 in (22.4mm)	100	
3/4 in (19.0mm)	100	
3/8 in (9.5mm)	100	
No. 4 (4.75mm)	99	
No. 40 (425µm)	95	
No. 200 (75µm)	84	

Chart



Comments

N/A



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

Report No: MAT:03114217-2-S1

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-2-S1 **Lift:**
Client Sample ID: Lab #651 **Contractor:**
Date Sampled: 11/08/23
Sampled By: Eric Floyd
Specification: Subgrade
Supplier: Mixed in-place
Source: 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: First row
Location: On site material

Other Test Results

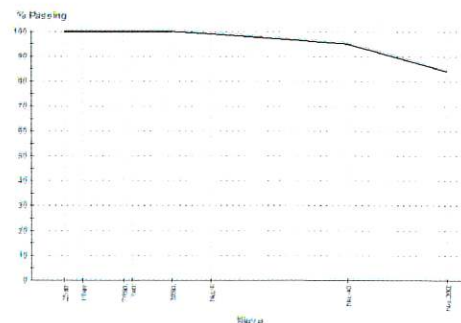
Description	Method	Result	Limits
Maximum Dry Unit Weight (lb/ft ³)	ASTM D 698	99.5	
Corrected Maximum Dry Unit Weight (lb/ft ³)		99.5	
Optimum Water Content (%)		23.2	
Corrected Optimum Water Content (%)		23.2	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated	2.65	
	ASTM D 698		
Tested By		Brandon Millican	
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	% Passing	Limits
2 1/2 in (63.0mm)	100	
1 1/4 in (45.0mm)	100	
7/8 in (22.4mm)	100	
3/4 in (19.0mm)	100	
3/8 in (9.5mm)	100	
No. 4 (4.75mm)	99	
No. 40 (425µm)	95	
No. 200 (75µm)	84	

Chart



Comments

N/A



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

Report No: PTR:03114217-2-S1

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

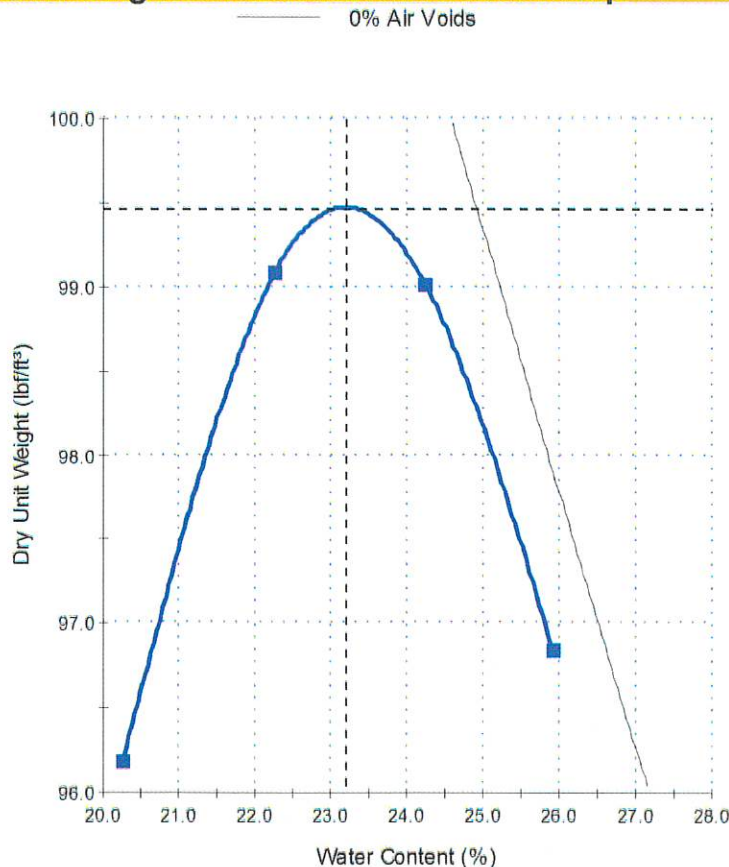
Sample ID: 03114217-2-S1
Date Sampled: 11/8/2023
Sampled By: Eric Floyd
Supplier: Mixed in-place
Material: Brown Fat Clay w/Sand (CH), (Subgrade / Backfill / General Fill)

Client Sample ID: Lab #651
Date Received: 11/8/2023
Specification: Subgrade
Source: Mixed on site material
Sampling Method: On-site mini-stockpile method

General Location: First row
Tested By: Brandon Millican

Location: On site material
Date Tested: 11/14/2023

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698	
Maximum Dry Unit Weight (lb/ft³):	99.5
Optimum Water Content (%):	23.2
Method:	A
Preparation Method:	Moist
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 (%):	18
Plasticity Index (%):	32
Tested By:	Nathan Guerrero
Date Tested:	11/14/2023

Comments



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

Report No: MAT:03114217-2-S2

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-2-S2 **Lift:**
Client Sample ID: Lab #652 **Contractor:**
Date Sampled: 11/08/23
Sampled By: Eric Floyd
Specification: Subgrade
Supplier: Mixed in-place
Source: Mixed on site material
Material: Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method: On-site mini-stockpile method
Soil Description: Lean Clay w/Sand (CL), Brn
General Location: First row
Location: On site material

Other Test Results

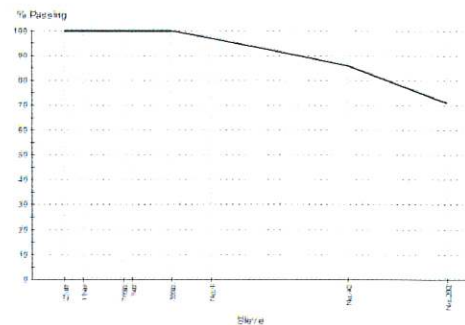
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	70.5	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination	Dry mass directly determined		
Tested By	Nathan Guerrero		
Method A Soaking Time (min)		180	
Date Tested		11/14/2023	
Group Symbol	ASTM D 2487	CL	
Group Name		Lean 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) (%)		14.0	
Method of Removal	Wet Sieving		
Grooving Tool Type	Plastic		
Specimen preparation method	Wet		
Drying Method	Oven		
Special selection process	ASTM C702		
Rolling Method for PL	Hand		
As Received Water Content (%)			
Liquid Limit Device Type	Manual		
Liquid Limit		47	
Plastic Limit		14	
Plasticity Index		33	
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	% Passing	Limits
2 1/2 in (63.0mm)	100	
1 3/4 in (45.0mm)	100	
7/8 in (22.4mm)	100	
3/4 in (19.0mm)	100	
3/8 in (9.5mm)	100	
No. 4 (4.75mm)	97	
No. 40 (425µm)	86	
No. 200 (75µm)	71	

Chart



Comments

N/A



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

Report No: MAT:03114217-2-S2

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-2-S2 **Lift:**
Client Sample ID: Lab #652 **Contractor:**
Date Sampled: 11/08/23
Sampled By: Eric Floyd
Specification: Subgrade
Supplier: Mixed in-place
Source: Mixed on site material
Material: Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method: On-site mini-stockpile method
Soil Description: Lean Clay w/Sand (CL), Brn
General Location: First row
Location: On site material

Other Test Results

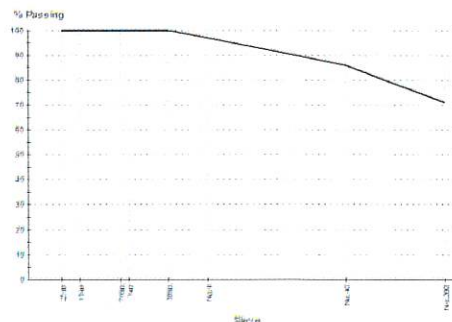
Description	Method	Result	Limits
Maximum Dry Unit Weight (lb/ft ³)	ASTM D 698	106.6	
Corrected Maximum Dry Unit Weight (lb/ft ³)		106.6	
Optimum Water Content (%)		19.7	
Corrected Optimum Water Content (%)		19.7	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated	2.65	
	ASTM D 698		
Tested By		Brandon Millican	
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	% Passing	Limits
2 1/2 in (63.0mm)	100	
1 3/4 in (45.0mm)	100	
7/8 in (22.4mm)	100	
3/4 in (19.0mm)	100	
3/8 in (9.5mm)	100	
No.4 (4.75mm)	97	
No.40 (425µm)	86	
No.200 (75µm)	71	

Chart



Comments

N/A



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

Report No: PTR:03114217-2-S2

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

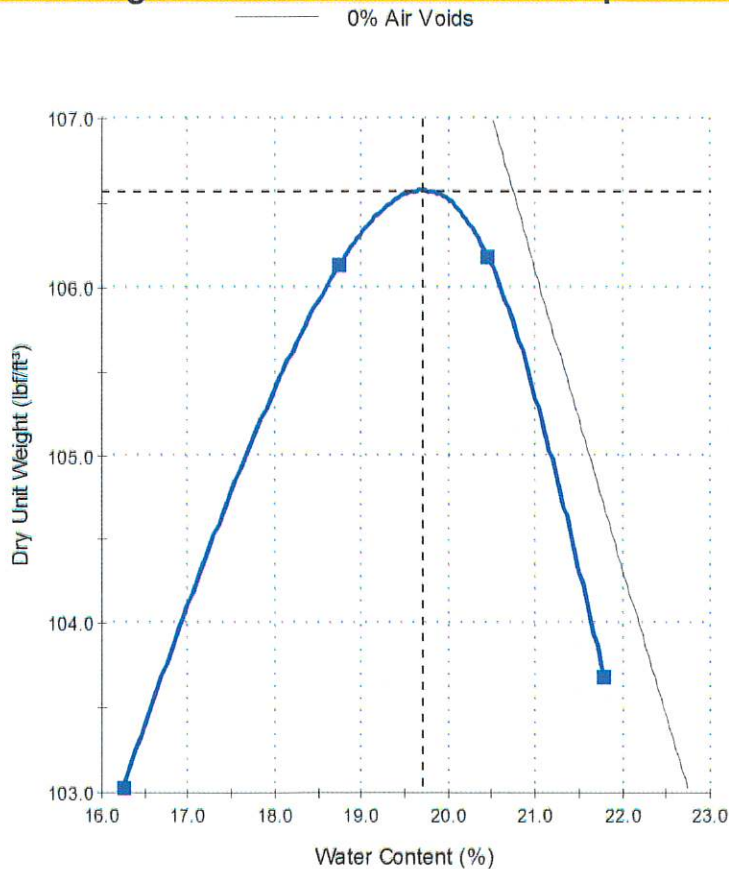
These test results apply only to the specific locations and materials noted and may not represent any other locations or elevations. This report may not be reproduced, except in full, without written permission by Professional Service Industries, Inc. If a non-compliance appears on this report, to the extent that the reported non-compliance impacts the project, the resolution is outside the PSI scope of engagement.

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

Sample Details

Sample ID:	03114217-2-S2	Client Sample ID:	Lab #652
Date Sampled:	11/8/2023	Date Received:	11/8/2023
Sampled By:	Eric Floyd	Specification:	Subgrade
Supplier:	Mixed in-place	Source:	Mixed on site material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	Sampling Method:	On-site mini-stockpile method
General Location:	First row	Location:	On site material
Tested By:	Brandon Millican	Date Tested:	11/14/2023

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698	
Maximum Dry Unit Weight (lb/ft³):	106.6
Optimum Water Content (%):	19.7
Method:	A
Preparation Method:	Moist
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 (%):	47
Plastic Limit (%):	14
Plasticity Index (%):	33
Tested By:	Nathan Guerrero
Date Tested:	11/14/2023

Comments



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

Report No: MAT:03114217-55-S1

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-55-S1 **Lift:**
Client Sample ID: Lab #217 **Contractor:**
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

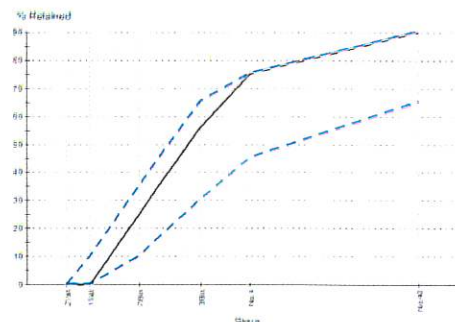
Description	Method	Result	Limits
Material Finer than 75µm (%)	ASTM D 1140	9.7	
Test Method			
Initial dry mass (g)		4862.5	
Dry mass determination	Dry mass directly determined		
Tested By		David Rosales	
Date Tested		4/26/2024	
Group Symbol	ASTM D 2487		
Group Name			
Tested By		David Rosales	
Date Tested		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 I		
Tested By		David 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 Rosales	
Date Tested		4/26/2024	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
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 to 10
7/8in (22.4mm)	25	10 to 35
3/8in (9.5mm)	56	30 to 65
No.4 (4.75mm)	75	45 to 75
No.40 (425µm)	90	65 to 90

Chart



Comments

N/A



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

Report No: PTR:03114217-55-S1

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

1B

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 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.

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

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

Tested By: David Rosales

Client Sample ID: Lab #217

Date Received: 4/21/2024

Specification: Grade 1-2; 2014 Specification

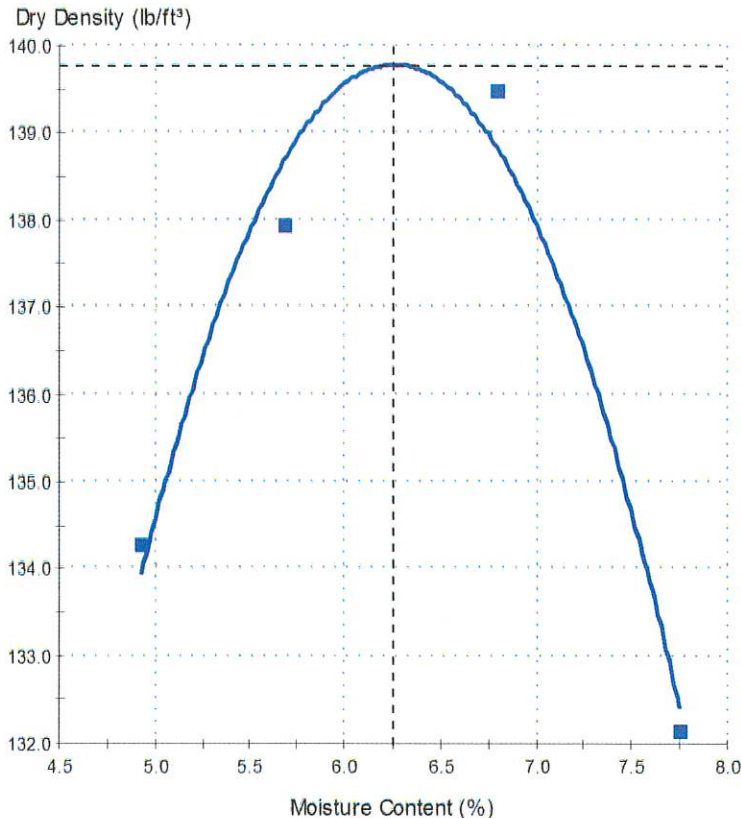
Source: Off-site Borrow Pit

Sampling Method: On-site mini-stockpile method

Location: Material on site

Date Tested: 4/26/2024

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

Comments



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

Report No: MAT:03114217-55-S2

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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
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: Musk rose street
Location: Material on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		4/26/2024	
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		David Garza	
Date Tested		4/25/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	93.3	
Optimum Water Content (%)		27.0	
Tested By		David Garza	
Date Tested		4/26/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-55-S2

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

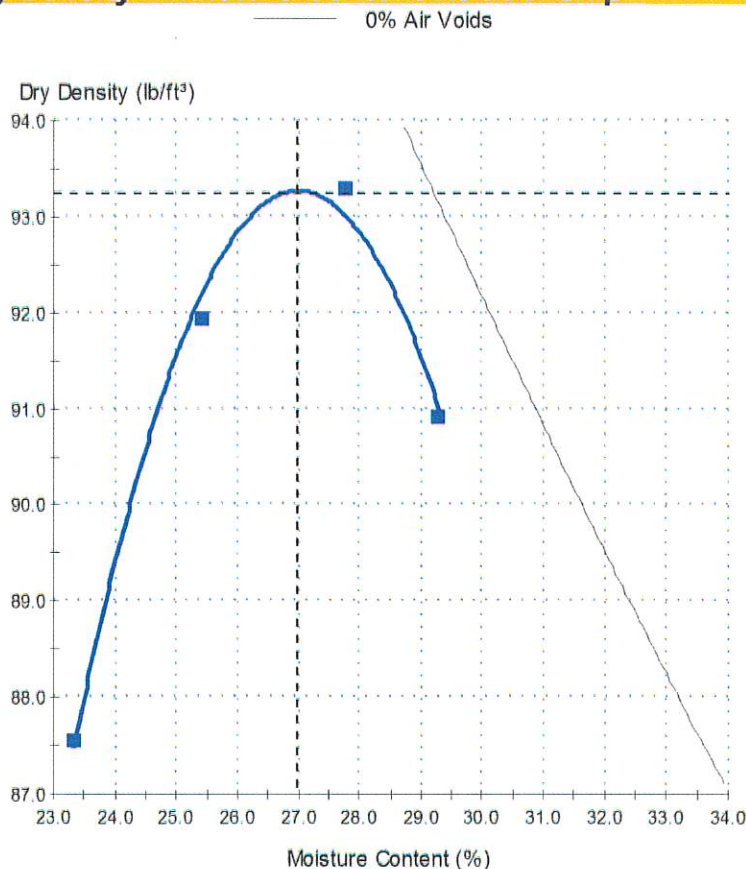
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/30/2024

Sample Details

Sample ID: 03114217-55-S2
Date Sampled: 4/21/2024
Sampled By: Benjamin Urbina
Supplier: Mixed in-place
Material: Brown Clay (Lime Treated Subgrade)
General Location: Musk rose street
Tested By: David Garza

Client Sample ID: Lab #218
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



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: David Garza
Date Tested: 4/25/2024

Comments



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

Report No: MAT:03114217-55-S3

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

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: 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 street
Location: Material on site

Other Test Results

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

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-55-S3

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

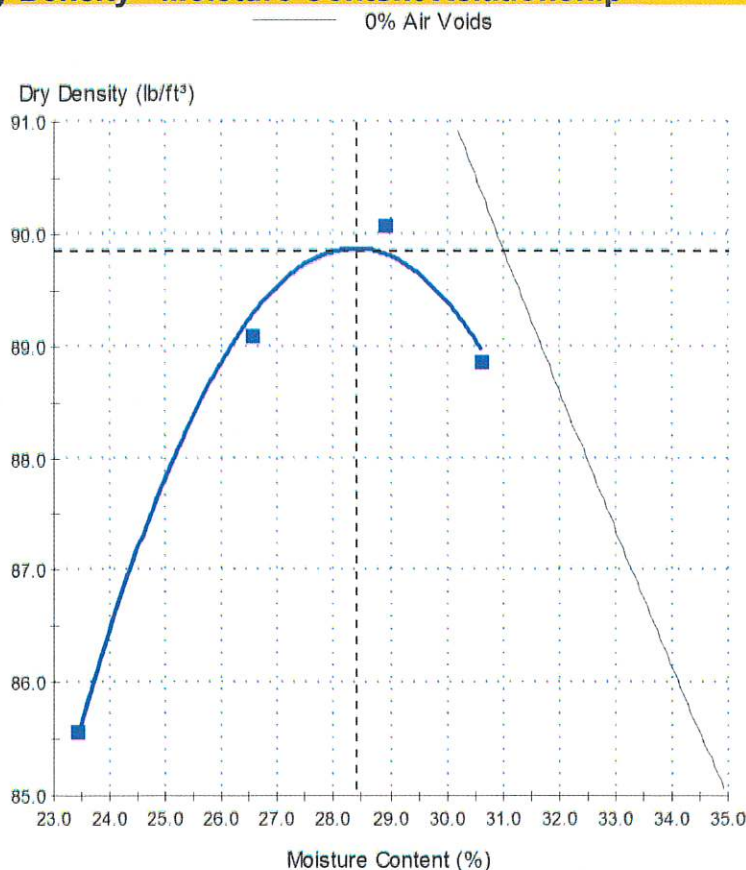
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/30/2024

Sample Details

Sample ID: 03114217-55-S3
Date Sampled: 4/21/2024
Sampled By: Benjamin Urbina
Supplier: Mixed in-place
Material: Brown Clay (Lime Treated Subgrade)
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



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: David Garza
Date Tested: 4/25/2024

Comments



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

Report No: MAT:03114217-55-S4

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 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: Lime Treated Brn Clay
General Location: Carolina rose streee
Location: Material on street

Particle Size Distribution

Other Test Results

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

Chart

Comments

N/A



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

Report No: PTR:03114217-55-S4

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

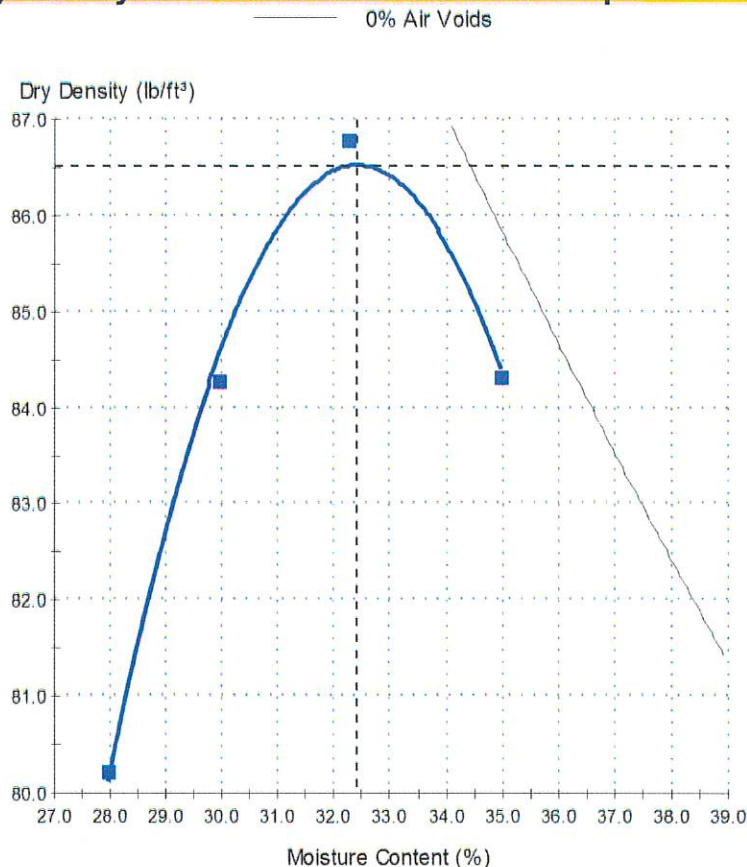
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/30/2024

Sample Details

Sample ID: 03114217-55-S4
Date Sampled: 4/21/2024
Sampled By: Benjamin Urbina
Supplier: Mixed in-place
Material: Brown Clay (Lime Treated Subgrade)
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
Date Tested: 4/26/2024

Dry Density - Moisture Content Relationship



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

Comments



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

Report No: MAT:03114217-59-S1

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

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 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.

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

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)		B	
pH - Distilled Water		12.4	≥ 12.4
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		Natalyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	87.8	
Optimum Water Content (%)		28.7	
Coefficient of Determination		0.9552	
Tested By		David Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S1

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

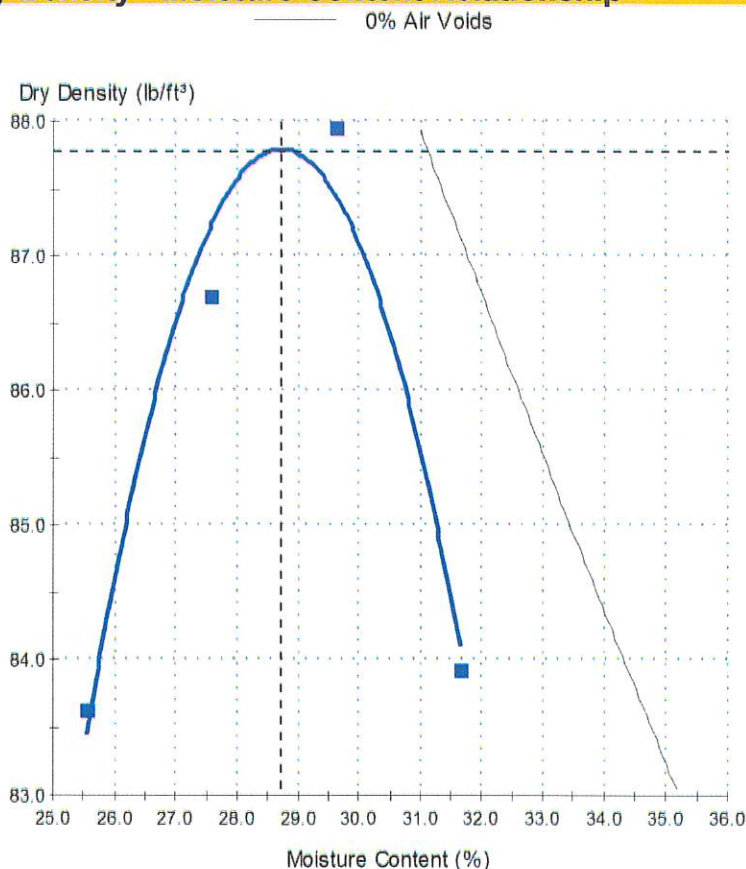
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S1
Date Sampled: 5/28/2024
Sampled By: Freddie Reed
Supplier: Mixed in-place
Material: Brown Clay (Lime Treated Subgrade)
General Location: RoadwayMusk rose Sta:9+00
Tested By: David Garza

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
Date Tested: 5/31/2024

Dry Density - Moisture Content Relationship



Test Results

Tex-114-E
Maximum Dry Density 87.8
(lb/ft³):
Optimum Water Content 28.7
(%):
Coefficient of Determination: 0.9552
Tested By: David Garza
Date Tested: 5/31/2024
ASTM D4318
Liquid Limit: 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: Natalyn Miller
Date Tested: 5/31/2024

Comments



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

Report No: MAT:03114217-59-S2

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

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
Location: Material mixed on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
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		Natalyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	85.4	
Optimum Water Content (%)		32.7	
Tested By		David Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S2

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A 18
CONVERSE, TX

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 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.

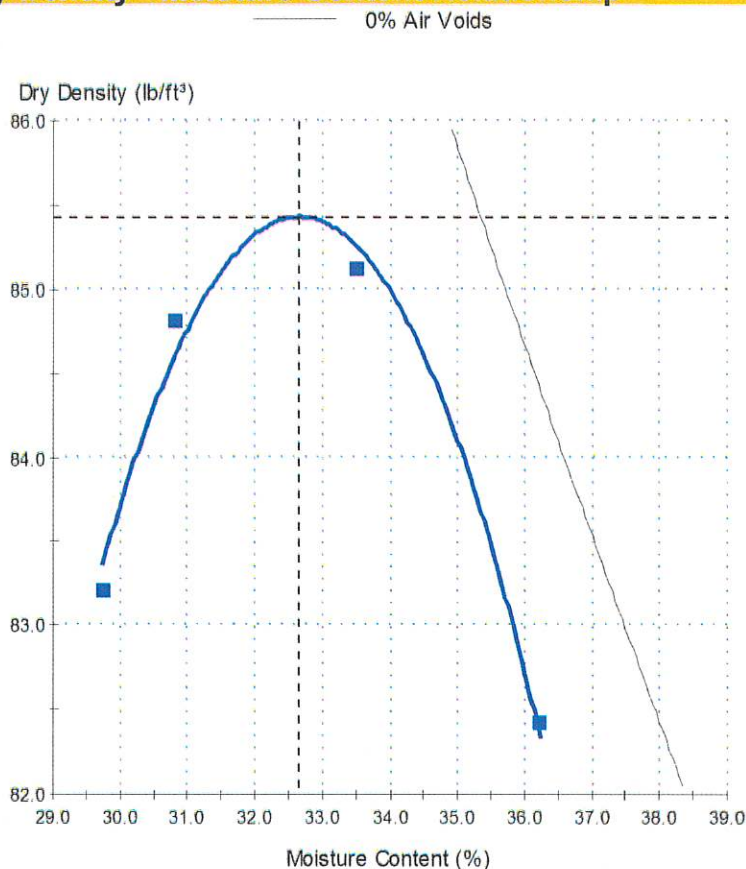
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/3/2024

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
Location: Material mixed on site
Date Tested: 5/31/2024

Dry Density - Moisture Content Relationship



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
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: Natalyn Miller
Date Tested: 5/31/2024

Comments



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

Report No: MAT:03114217-59-S3

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

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 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.

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

Sample Details

Sample ID: 03114217-59-S3 **Lift:**
Client Sample ID: Lab #334 **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: California Rose Sta:40+50
Location: Material mixed on site

Particle Size Distribution

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥ 12.4
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		Natalyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft ³)	Tex-114-E	87.3	
Optimum Water Content (%)		30.5	
Tested By		David Garza	
Date Tested		5/31/2024	

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S3

Issue No: 1

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 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.

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

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

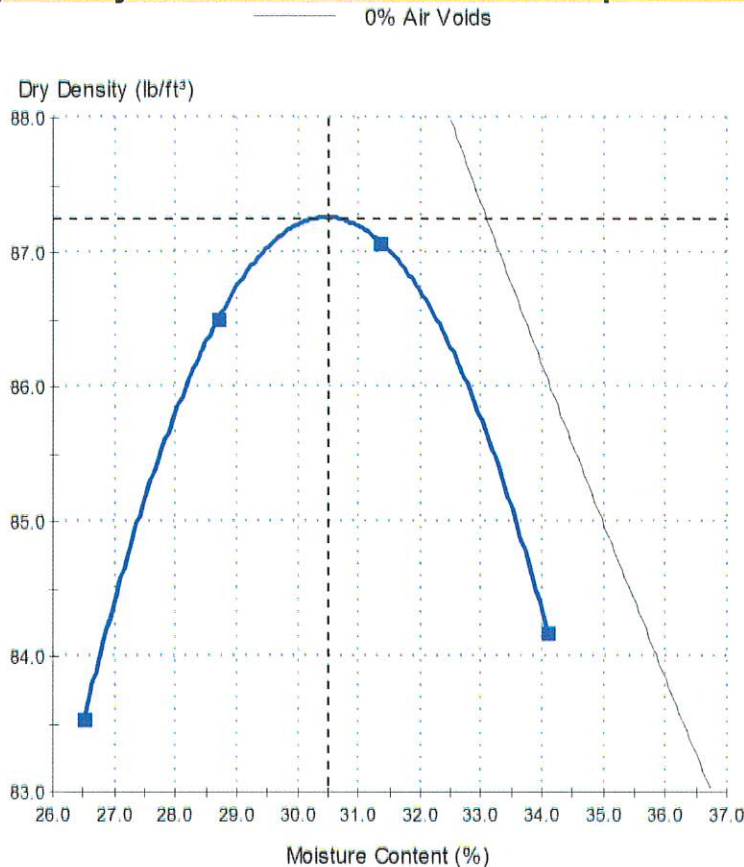
Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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



Test Results

Tex-114-E
Maximum Dry Density 87.3
(lb/ft³):
Optimum Water Content 30.5
(%):
Tested By: David Garza
Date Tested: 5/31/2024
ASTM D4318
Liquid Limit: 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: Natalyn Miller
Date Tested: 5/31/2024

Comments



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

Report No: MAT:03114217-59-S4

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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: On-site mini-stockpile method
Soil Description: 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)		B	
pH - Distilled Water		12.4	≥12.4
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 glass plate		
Liquid Limit Apparatus		Manual	
Grooving Tool		Plastic	
Rolling		Hand	
Tested By		Natalyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	86.8	
Optimum Water Content (%)		30.8	
Tested By		David Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S4

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

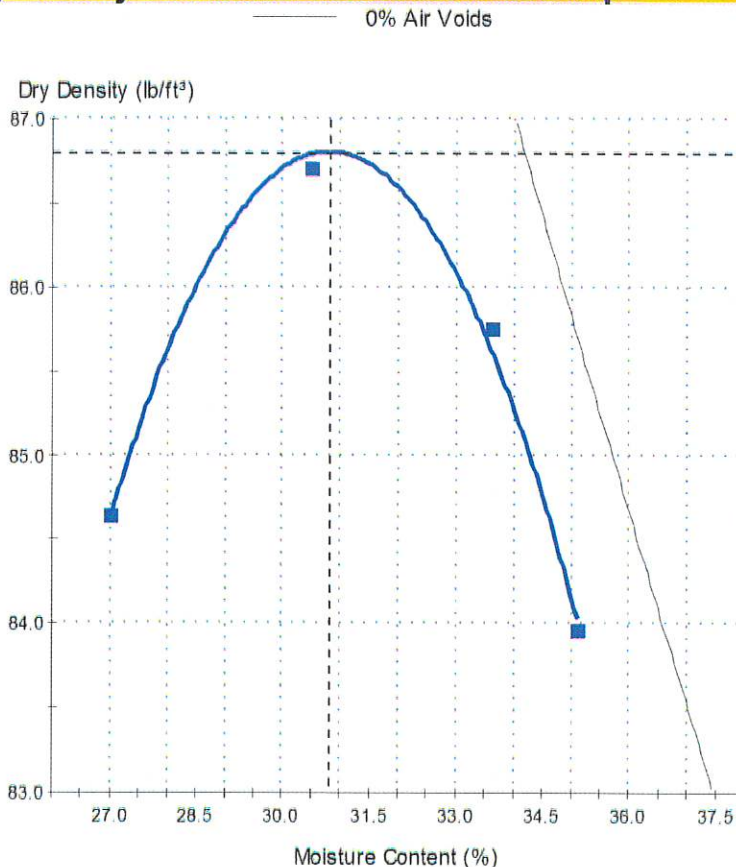
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/3/2024

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



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: 42
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: Natalyn Miller
Date Tested: 5/31/2024

Comments



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

Report No: MAT:03114217-59-S5

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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
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:11+50
Location: Material mixed on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
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		Natalyn Miller	
Date Tested		5/31/2024	
Maximum Dry Density (lb/ft³)	Tex-114-E	87.8	
Optimum Water Content (%)		27.2	
Tested By		David Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S5

Issue No: 1

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 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.

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

Proctor 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

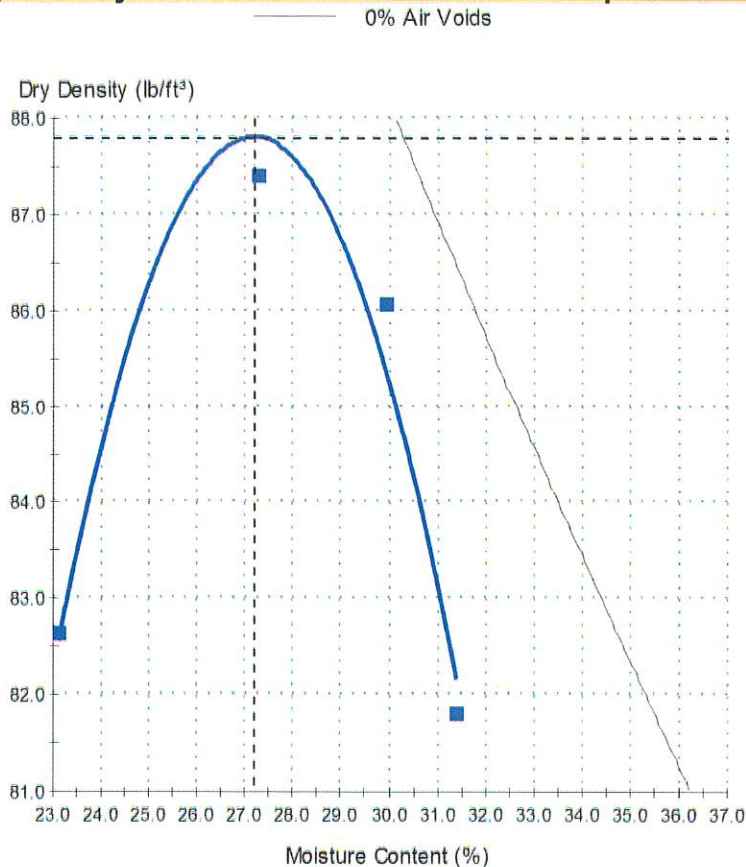
18

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
Tested By: David Garza

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



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: 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

Comments



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

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: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

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

Sample Details

Sample ID: 03114217-59-S6 **Lift:**
Client Sample ID: Lab #337 **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: California Rose Sta 2+50
Location: Material mixed on site

Other Test Results

Description	Method	Result	Limits
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		5/31/2024	
Liquid Limit	ASTM D4318	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	
Maximum Dry Density (lb/ft³)	Tex-114-E	87.3	
Optimum Water Content (%)		30.1	
Tested By		David Garza	
Date Tested		5/31/2024	

Particle Size Distribution

Chart

Comments

N/A



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

Report No: PTR:03114217-59-S6

Issue No: 1

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: ELWERT WEIDERHOLD
RYAN JOHNSON

Project: ROSE VALLEY UNIT 1A
CONVERSE, TX

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 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.

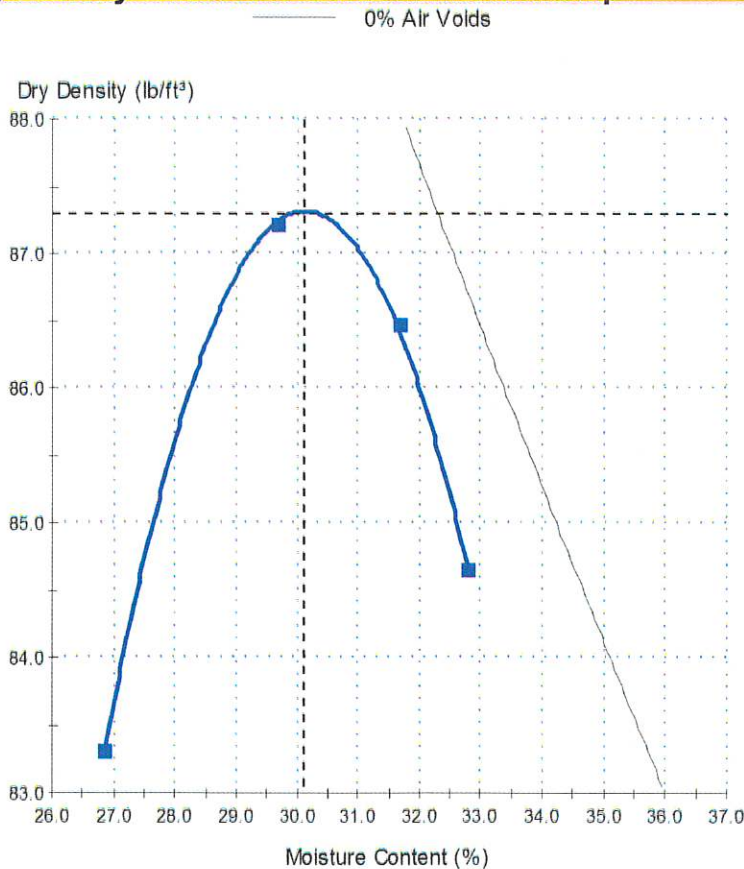
Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 6/3/2024

Sample Details

Sample ID: 03114217-59-S6
Date Sampled: 5/28/2024
Sampled By: Freddie Reed
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
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



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

Comments



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

Report No: MAT:03114420-9-S1

Issue No: 1

Material Test Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

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 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.

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 **Contractor:** V. K. Knowlton
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

Particle Size Distribution

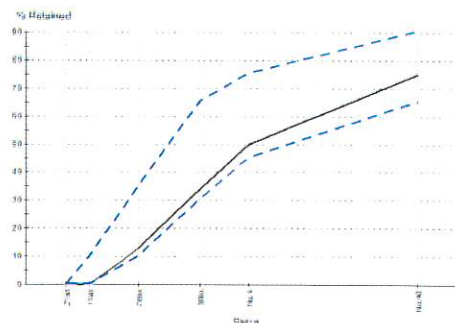
Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 6/10/2024
Tested By: David Rosales

Sieve Size	% Retained	Limits
2 1/2 in (63.0mm)	0	0
1 1/2 in (45.0mm)	0	0 to 10
7/8 in (22.4mm)	13	10 to 35
3/8 in (9.5mm)	34	30 to 65
No. 4 (4.75mm)	50	45 to 75
No. 40 (425µm)	75	65 to 90

Other Test Results

Description	Method	Result	Limits
Material Finer than 75µm (%)	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	
Maximum Dry Density (lb/ft³)	Tex-113-E	139.2	
Optimum Water Content (%)		6.2	
Coefficient of Determination		0.9995	
Tested By		David Rosales	
Date Tested		6/10/2024	

Chart



Comments

N/A



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

Report No: PTR:03114420-9-S1

Issue No: 1

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 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.

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

Proctor Report

Client: LENNAR HOMES
1922 DRY CREEK WAY, SUITE 101
SAN ANTONIO, TX 78259

CC: RYAN JOHNSON

Project: ROSE VALLEY UNIT 1B
SAN ANTONIO, TX

Sample Details

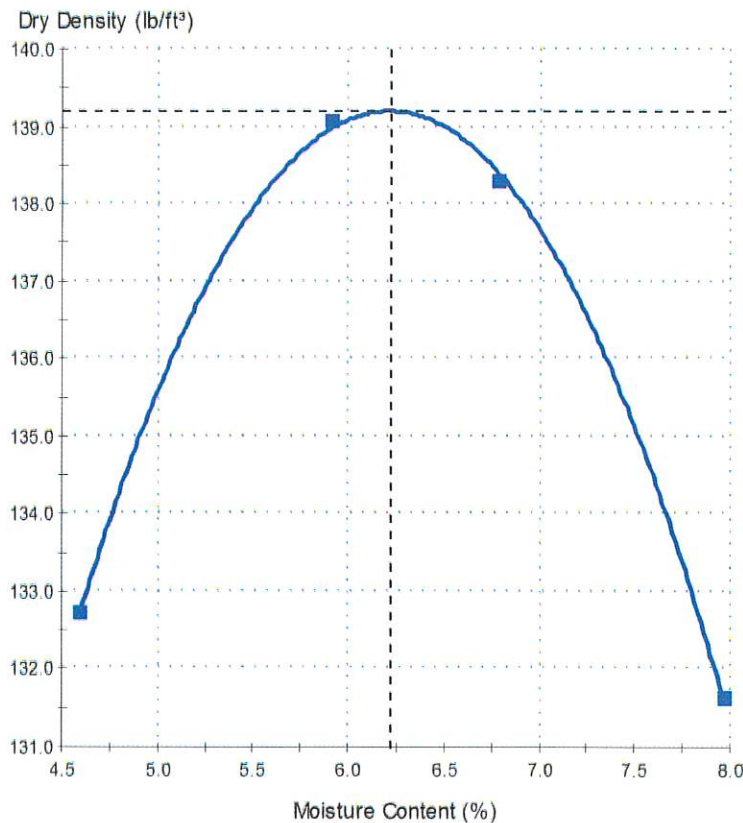
Sample ID: 03114420-9-S1
Date Sampled: 6/5/2024
Sampled By: Shawn Crawford
Supplier: On-site Borrow Pit
Material: Crushed Limestone (Vulcan O'Conner - Roadway Base)

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

General Location: Roadway
Tested By: David Rosales

Location: Material on site
Date Tested: 6/10/2024

Dry Density - Moisture Content Relationship



Test Results

Tex-113-E
Maximum Dry Density 139.2
(lb/ft³):
Optimum Water Content 6.2
(%):
Coefficient of Determination: 0.9995
Tested By: David Rosales
Date Tested: 6/10/2024

ASTM D4318

Liquid Limit: 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

Comments