



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:03113664-44

Issue No: 1

Field Density Test Report

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: 6/21/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/17/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2170
Serial Number:	65455	Standard Count: Moisture:	648
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S1	In-situ material	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	110.9	16.5

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	03113664-35-S1	6	129.1	17.4	+0.9	0 to +4	110.0	99.2	≥98	A
2	D 6938	03113664-35-S1	6	128.9	17.8	+1.3	0 to +4	109.4	98.6	≥98	A
3	D 6938	03113664-35-S1	6	128.9	16.8	+0.3	0 to +4	110.4	99.5	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+50	3' below S/G elev.	Backfill
2	Near STA 3+50	3' below S/G elev.	Backfill
3	Near STA 5+50	3' below S/G elev.	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:03113664-45

Issue No: 2

This report replaces all previous issues of this report signed on 06/21/2022

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: 6/22/2022

Field Density Test Report

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/18/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2181
Serial Number:	65455	Standard Count: Moisture:	663
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S1	In-situ material	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	110.9	16.5

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	03113664-35-S1	6	128.8	17.2	+0.7	0 to +4	109.9	99.1	≥98	A
2	D 6938	03113664-35-S1	6	128.8	17.0	+0.5	0 to +4	110.1	99.3	≥98	A
3	D 6938	03113664-35-S1	6	129.6	17.2	+0.7	0 to +4	110.6	99.7	≥98	A
4	D 6938	03113664-35-S1	6	129.1	17.1	+0.6	0 to +4	110.2	99.4	≥98	A
5	D 6938	03113664-35-S1	6	129.5	17.2	+0.7	0 to +4	110.5	99.6	≥98	A
6	D 6938	03113664-35-S1	6	128.9	16.7	+0.2	0 to +4	110.5	99.6	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+60	2' below S/G elev.	Backfill
2	Near STA 3+50	2' below S/G elev.	Backfill
3	Near STA 5+50	2' below S/G elev.	Backfill
4	Near STA 1+70	1' below S/G elev.	Backfill
5	Near STA 3+70	1' below S/G elev.	Backfill
6	Near STA 5+70	1' below S/G elev.	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:03113664-46

Issue No: 1

Field Density Test Report

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: 6/24/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/20/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2189
Serial Number:	65455	Standard Count: Moisture:	676
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-25-S1	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.9	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	03113664-25-S1	6	122.9	20.1	+0.4	0 to +3	102.3	98.5	≥98	A
2	D 6938	03113664-25-S1	6	123.1	20.2	+0.5	0 to +3	102.4	98.6	≥98	A
3	D 6938	03113664-25-S1	6	123.0	20.6	+0.9	0 to +3	102.0	98.2	≥98	A
4	D 6938	03113664-25-S1	6	122.4	20.1	+0.4	0 to +3	101.9	98.1	≥98	A
5	D 6938	03113664-25-S1	6	123.6	20.5	+0.8	0 to +3	102.6	98.7	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+60	Final lift	Backfill
2	Near STA 3+70	Final lift	Backfill
3	Near STA 5+60	Final lift	Backfill
4	Near STA 7+10	3' below S/G elev.	Backfill
5	Near STA 9+50	3' below S/G elev.	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:03113664-47

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/21/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2181
Serial Number:	65455	Standard Count: Moisture:	679
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.1	19.2	+1.0	0 to +4	101.6	98.6	≥98	A
2	D 6938	03113664-35-S2	6	120.6	19.2	+1.0	0 to +4	101.2	98.3	≥98	A
3	D 6938	03113664-35-S2	6	121.8	18.6	+0.4	0 to +4	102.7	99.7	≥98	A
4	D 6938	03113664-35-S2	6	121.3	18.7	+0.5	0 to +4	102.2	99.2	≥98	A
5	D 6938	03113664-35-S2	6	122.0	19.1	+0.9	0 to +4	102.4	99.4	≥98	A
6	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +4	102.4	99.4	≥98	A

Location

General Location: Water Line A laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 32+05	2' below S/G elev.	Backfill
2	At STA 32+95	2' below S/G elev.	Backfill
3	At STA 33+99	2' below S/G elev.	Backfill
4	At STA 35+64	2' below S/G elev.	Backfill
5	At STA 34+31	2' below S/G elev.	Backfill
6	At STA 32+05	1' below S/G elev.	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:03113664-47

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	121.2	19.4	+1.2	0 to +4	101.5	98.5	≥98	A
8	D 6938	03113664-35-S2	6	121.1	19.3	+1.1	0 to +4	101.5	98.5	≥98	A
9	D 6938	03113664-35-S2	6	122.2	19.9	+1.7	0 to +4	101.9	98.9	≥98	A
10	D 6938	03113664-35-S2	6	121.9	19.0	+0.8	0 to +4	102.4	99.4	≥98	A
11	D 6938	03113664-35-S2	6	121.7	19.4	+1.2	0 to +4	101.9	98.9	≥98	A
12	D 6938	03113664-35-S2	6	121.5	19.7	+1.5	0 to +4	101.5	98.5	≥98	A

Location

General Location: Water Line A laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 32+95	1' below S/G elev.	Backfill
8	At STA 33+99	1' below S/G elev.	Backfill
9	At STA 34+31	1' below S/G elev.	Backfill
10	At STA 35+64	1' below S/G elev.	Backfill
11	At STA 32+05	1' below S/G elev.	Backfill
12	At STA 32+95	1' below S/G elev.	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:03113664-47

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
13	D 6938	03113664-35-S2	6	121.6	20.0	+1.8	0 to +4	101.3	98.3	≥98	A
14	D 6938	03113664-35-S2	6	122.2	20.1	+1.9	0 to +4	101.7	98.7	≥98	A
15	D 6938	03113664-35-S2	6	122.4	20.6	+2.4	0 to +4	101.5	98.5	≥98	A

Location

General Location: Water Line A laterals

Test No.	Location	Test Elev/Depth	Material/Layer
13	At STA 33+99	1' below S/G elev.	Backfill
14	At STA 34+31	1' below S/G elev.	Backfill
15	At STA 35+64	1' below S/G elev.	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:03113664-48

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/22/2022
Field Methods:	ASTM D 6938		
Contractor:	SEG Excavation	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2169
Serial Number:	65455	Standard Count: Moisture:	683
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-25-S1	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.9	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	03113664-25-S1	6	124.2	20.1	+0.4	0 to +3	103.4	99.5	≥98	A
2	D 6938	03113664-25-S1	6	124.5	20.3	+0.6	0 to +3	103.5	99.6	≥98	A
3	D 6938	03113664-25-S1	6	123.8	19.9	+0.2	0 to +3	103.3	99.4	≥98	A
4	D 6938	03113664-25-S1	6	122.3	19.9	+0.2	0 to +3	102.0	98.2	≥98	A
5	D 6938	03113664-25-S1	6	123.8	20.1	+0.4	0 to +3	103.1	99.2	≥98	A
6	D 6938	03113664-25-S1	6	124.0	20.4	+0.7	0 to +3	103.0	99.1	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 5+60	2' below S/G elev.	Backfill
2	Near STA 7+10	2' below S/G elev.	Backfill
3	Near STA 9+50	2' below S/G elev.	Backfill
4	Near STA 5+60	1' below S/G elev.	Backfill
5	Near STA 7+10	1' below S/G elev.	Backfill
6	Near STA 9+50	1' below S/G elev.	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:03113664-48

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-25-S1	6	124.2	20.2	+0.5	0 to +3	103.3	99.4	≥98	A
8	D 6938	03113664-25-S1	6	124.1	19.7	+0.0	0 to +3	103.7	99.8	≥98	A
9	D 6938	03113664-25-S1	6	123.3	20.8	+1.1	0 to +3	102.1	98.3	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 5+60	Final S/G elev.	Backfill
8	Near STA 7+10	Final S/G elev.	Backfill
9	Near STA 9+50	Final S/G elev.	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:03113664-49

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/23/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2177
Serial Number:	65455	Standard Count: Moisture:	680
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.8	20.3	+2.1	0 to +3	101.2	98.3	≥98	A
3	D 6938	03113664-35-S2	2	123.3	21.0	+2.8	0 to +3	101.9	98.9	≥98	A
4	D 6938	03113664-35-S2	6	122.6	20.8	+2.6	0 to +3	101.5	98.5	≥98	A
5	D 6938	03113664-35-S2	6	122.1	20.7	+2.5	0 to +3	101.2	98.3	≥98	A
6	D 6938	03113664-35-S2	6	122.5	20.8	+2.6	0 to +3	101.4	98.4	≥98	A

Location

General Location: Water Line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 2+01	2' below S/G elev.	Backfill
2	At STA 3+98	2' below S/G elev.	Backfill
3	At STA 5+04	2' below S/G elev.	Backfill
4	At STA 6+28	2' below S/G elev.	Backfill
5	At STA 2+01	1' below S/G elev.	Backfill
6	At STA 3+98	1' below S/G elev.	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:03113664-49

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.1	20.8	+2.6	0 to +3	101.1	98.2	≥98	A
8	D 6938	03113664-35-S2	6	121.9	20.3	+2.1	0 to +3	101.3	98.3	≥98	A
9	D 6938	03113664-35-S2	6	122.3	20.7	+2.5	0 to +3	101.3	98.3	≥98	A
10	D 6938	03113664-35-S2	6	121.8	19.0	+0.8	0 to +3	102.4	99.4	≥98	A
11	D 6938	03113664-35-S2	6	121.7	19.4	+1.2	0 to +3	101.9	98.9	≥98	A
12	D 6938	03113664-35-S2	6	122.1	19.9	+1.7	0 to +3	101.8	98.8	≥98	A

Location

General Location: Water Line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 5+04	1' below S/G elev.	Backfill
8	At STA 6+25	1' below S/G elev.	Backfill
9	At STA 2+01	Final S/G elev.	Backfill
10	At STA 3+98	Final S/G elev.	Backfill
11	At STA 5+04	Final S/G elev.	Backfill
12	At STA 6+25	Final S/G elev.	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:03113664-50

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/24/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2163
Serial Number:	65455	Standard Count: Moisture:	672
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-5-S1	In-situ material	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	ASTM D 698 (A)	108.8	11.4

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	03113664-5-S1	6	121.9	12.1	+0.7	0 to +3	108.7	99.9	≥98	A
2	D 6938	03113664-5-S1	6	121.9	12.2	+0.8	0 to +3	108.6	99.8	≥98	A
3	D 6938	03113664-5-S1	6	121.9	12.1	+0.7	0 to +3	108.7	99.9	≥98	A
4	D 6938	03113664-5-S1	6	121.5	12.8	+1.4	0 to +3	107.7	99.0	≥98	A
5	D 6938	03113664-5-S1	6	121.1	12.9	+1.5	0 to +3	107.3	98.6	≥98	A
6	D 6938	03113664-5-S1	6	121.6	13.1	+1.7	0 to +3	107.5	98.8	≥98	A

Location

General Location: Water Line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 7+27	2' below S/G elev.	Backfill
2	At STA 8+29	2' below S/G elev.	Backfill
3	At STA 9+42	2' below S/G elev.	Backfill
4	At STA 7+27	1' below S/G elev.	Backfill
5	At STA 8+29	1' below S/G elev.	Backfill
6	At STA 9+42	1' below S/G elev.	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:03113664-50

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-5-S1	6	120.7	12.5	+1.1	0 to +3	107.3	98.6	≥98	A
8	D 6938	03113664-5-S1	6	121.1	12.1	+0.7	0 to +3	108.0	99.3	≥98	A
9	D 6938	03113664-5-S1	6	121.6	11.9	+0.5	0 to +3	108.7	99.9	≥98	A

Location

General Location: Water Line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 7+27	Final S/G elev.	Backfill
8	At STA 8+29	Final S/G elev.	Backfill
9	At STA 9+42	Final S/G elev.	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:03113664-51

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/25/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2171
Serial Number:	65455	Standard Count: Moisture:	683
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-5-S1	In-situ material	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	ASTM D 698 (A)	108.8	11.4

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	03113664-5-S1	6	121.9	12.2	+0.8	0 to +3	108.6	99.8	≥98	A
2	D 6938	03113664-5-S1	6	121.3	12.2	+0.8	0 to +3	108.1	99.4	≥98	A
3	D 6938	03113664-5-S1	6	121.1	13.1	+1.7	0 to +3	107.1	98.4	≥98	A
4	D 6938	03113664-5-S1	6	120.9	12.9	+1.5	0 to +3	107.1	98.4	≥98	A
5	D 6938	03113664-5-S1	6	121.4	12.6	+1.2	0 to +3	107.8	99.1	≥98	A
6	D 6938	03113664-5-S1	6	121.0	12.7	+1.3	0 to +3	107.4	98.7	≥98	A

Location

General Location: Sanitary Sewer line E

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+30	3' below S/G elev.	Backfill
2	Near STA 3+20	3' below S/G elev.	Backfill
3	Near STA 5+45	3' below S/G elev.	Backfill
4	Near STA 1+30	2' below S/G elev.	Backfill
5	Near STA 3+20	2' below S/G elev.	Backfill
6	Near STA 5+45	2' below S/G elev.	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:03113664-51

Issue No: 1

Field Density Test Report

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: 6/27/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-5-S1	6	121.4	12.9	+1.5	0 to +3	107.5	98.8	≥98	A
8	D 6938	03113664-5-S1	6	121.1	11.8	+0.4	0 to +3	108.3	99.5	≥98	A
9	D 6938	03113664-5-S1	6	121.6	12.1	+0.7	0 to +3	108.5	99.7	≥98	A
10	D 6938	03113664-5-S1	6	120.8	11.9	+0.5	0 to +3	108.0	99.3	≥98	A
11	D 6938	03113664-5-S1	6	121.3	13.1	+1.7	0 to +3	107.3	98.6	≥98	A
12	D 6938	03113664-5-S1	6	121.2	13.3	+1.9	0 to +3	107.0	98.3	≥98	A

Location

General Location: Sanitary Sewer line E

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 1+30	1' below S/G elev.	Backfill
8	Near STA 3+20	1' below S/G elev.	Backfill
9	Near STA 5+45	1' below S/G elev.	Backfill
10	Near STA 1+30	Final S/G elev.	Backfill
11	Near STA 3+20	Final S/G elev.	Backfill
12	Near STA 5+45	Final S/G elev.	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:03113664-52

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/27/2022
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:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2		122.1	19.1	+0.9	0 to +3	102.5	99.5	≥98	A
3	D 6938	03113664-35-S2	6	122.0	18.9	+0.7	0 to +3	102.6	99.6	≥98	A
4	D 6938	03113664-35-S2	6	121.3	19.7	+1.5	0 to +3	101.3	98.3	≥98	A
5	D 6938	03113664-35-S2	6	121.4	19.7	+1.5	0 to +3	101.4	98.4	≥98	A
6	D 6938	03113664-35-S2	6	121.7	18.9	+0.7	0 to +3	102.4	99.4	≥98	A

Location

General Location: Sanitary Sewer line E

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 06+80	3' below S/G elev.	Backfill
2	Near STA 06+90	2' below S/G elev.	Backfill
3	Near STA 07+00	1' below S/G elev.	Backfill
4	Near STA 07+10	Final S/G elev.	Backfill

General Location: Sanitary Sewer line G

Test No.	Location	Test Elev/Depth	Material/Layer
5	Near STA 01+20	3' below S/G elev.	Backfill
6	Near STA 01+80	2' below S/G elev.	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:03113664-52

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	121.4	18.8	+0.6	0 to +3	102.2	99.2	≥98	A
8	D 6938	03113664-35-S2	6	121.1	19.9	+1.7	0 to +3	101.0	98.1	≥98	A

Location

General Location: Sanitary Sewer line G

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 02+10	1' below S/G elev.	Backfill
8	Near STA 02+50	Final S/G elev.	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:03113664-53

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/28/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2186
Serial Number:	65455	Standard Count: Moisture:	677
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.2	19.1	+0.9	0 to +3	102.6	99.6	≥98	A
2	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
3	D 6938	03113664-35-S2	6	121.7	18.8	+0.6	0 to +3	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.0	18.2	+0.0	0 to +3	103.2	100.2	≥98	A
5	D 6938	03113664-35-S2	6	121.1	18.3	+0.1	0 to +3	102.4	99.4	≥98	A
6	D 6938	03113664-35-S2	6	121.9	18.5	+0.3	0 to +3	102.9	99.9	≥98	A

Location

General Location: Sanitary line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 10+59	2' below S/G elev	Backfill
2	Near STA 11+80	2' below S/G elev	Backfill
3	Near STA 12+54	2' below S/G elev	Backfill
4	Near STA 10+59	1' below S/G elev	Backfill
5	Near STA 11+84	1' below S/G elev	Backfill
6	Near STA 12+54	1' below S/G elev	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:03113664-53

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	121.9	18.9	+0.7	0 to +3	102.5	99.5	≥98	A
8	D 6938	03113664-35-S2	6	122.0	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
9	D 6938	03113664-35-S2	6	121.9	18.8	+0.6	0 to +3	102.6	99.6	≥98	A

Location

General Location: Sanitary line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 10+59	Final S/G elev	Backfill
8	Near STA 11+80	Final S/G elev	Backfill
9	Near STA 12+54	Final S/G elev	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:03113664-54

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/29/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2163
Serial Number:	65455	Standard Count: Moisture:	689
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-5-S1	In-situ material	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	ASTM D 698 (A)	108.8	11.4

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	03113664-5-S1	6	121.3	12.5	+1.1	0 to +3	107.8	99.1	≥98	A
2	D 6938	03113664-5-S1	6	121.2	12.0	+0.6	0 to +3	108.2	99.4	≥98	A
3	D 6938	03113664-5-S1	6	121.2	12.3	+0.9	0 to +3	107.9	99.2	≥98	A
4	D 6938	03113664-5-S1	6	121.2	11.9	+0.5	0 to +3	108.3	99.5	≥98	A
5	D 6938	03113664-5-S1	6	120.6	12.9	+1.5	0 to +3	106.8	98.2	≥98	A
6	D 6938	03113664-5-S1	6	121.0	12.8	+1.4	0 to +3	107.3	98.6	≥98	A

Location

General Location: Sanitary Sewer line F

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+60	3' below S/G elev.	Backfill
2	Near STA 3+20	3' below S/G elev.	Backfill
3	Near STA 4+90	3' below S/G elev.	Backfill
4	Near STA 1+60	3' below S/G elev.	Backfill
5	Near STA 3+30	2' below S/G elev.	Backfill
6	Near STA 4+90	2' below S/G elev.	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:03113664-54

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-5-S1	6	121.3	12.2	+0.8	0 to +3	108.1	99.4	≥98	A
8	D 6938	03113664-5-S1	6	120.9	12.9	+1.5	0 to +3	107.1	98.4	≥98	A
9	D 6938	03113664-5-S1	6	121.0	12.5	+1.1	0 to +3	107.6	98.9	≥98	A
10	D 6938	03113664-5-S1	6	120.5	12.8	+1.4	0 to +3	106.8	98.2	≥98	A
11	D 6938	03113664-5-S1	6	121.6	13.2	+1.8	0 to +3	107.4	98.7	≥98	A
12	D 6938	03113664-5-S1	6	121.1	13.1	+1.7	0 to +3	107.1	98.4	≥98	A

Location

General Location: Sanitary Sewer line F

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 1+60	1' below S/G elev.	Backfill
8	Near STA 3+20	1' below S/G elev.	Backfill
9	Near STA 4+90	1' below S/G elev.	Backfill
10	Near STA 1+60	Final S/G elev.	Backfill
11	Near STA 3+20	Final S/G elev.	Backfill
12	Near STA 4+90	Final S/G elev.	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:03113664-55

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	6/30/2022
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:	672
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	9	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.2	18.8	+0.6	0 to +3	102.0	99.0	≥95	A
3	D 6938	03113664-35-S2	6	120.9	19.6	+1.4	0 to +3	101.1	98.2	≥98	A
4	D 6938	03113664-35-S2	6	121.6	18.9	+0.7	0 to +3	102.3	99.3	≥98	A
5	D 6938	03113664-35-S2	6	121.2	19.1	+0.9	0 to +3	101.8	98.8	≥98	A
6	D 6938	03113664-35-S2	6	121.9	19.0	+0.8	0 to +3	102.4	99.4	≥98	A

Location

General Location: Sanitary line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 13+82	2' below S/G elev.	Backfill
2	Near STA 14+30	2' below S/G elev.	Backfill
3	Near STA 15+34	2' below S/G elev.	Backfill
4	Near STA 16+24	2' below S/G elev.	Backfill
5	Near STA 13+82	1' below S/G elev.	Backfill
6	Near STA 14+30	1' below S/G elev.	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:03113664-55

Issue No: 1

Field Density Test Report

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: 7/7/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.3	18.9	+0.7	0 to +3	102.9	99.9	≥98	A
8	D 6938	03113664-35-S2	6	121.6	18.8	+0.6	0 to +3	102.4	99.4	≥98	A
9	D 6938	03113664-35-S2	6	121.6	19.7	+1.5	0 to +3	101.6	98.6	≥98	A
10	D 6938	03113664-35-S2	6	121.9	19.6	+1.4	0 to +3	101.9	98.9	≥98	A
11	D 6938	03113664-35-S2	6	121.2	19.6	+1.4	0 to +3	101.3	98.3	≥98	A
12	D 6938	03113664-35-S2	6	121.8	18.3	+0.1	0 to +3	103.0	100.0	≥98	A

Location

General Location: Sanitary line B (Laterals)

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 15+34	1' below S/G elev.	Backfill
8	Near STA 15+64	1' below S/G elev.	Backfill
9	Near STA 13+82	Final below S/G elev.	Backfill
10	Near STA 14+30	Final below S/G elev.	Backfill
11	Near STA 15+34	Final below S/G elev.	Backfill
12	Near STA 16+24	Final below S/G elev.	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:03113664-56

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/1/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2178
Serial Number:	65455	Standard Count: Moisture:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S1	In-situ material	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	110.9	16.5

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	03113664-35-S1	6	128.9	17.3	+0.8	0 to +3	109.9	99.1	≥98	A
2	D 6938	03113664-35-S1	6	129.1	17.2	+0.7	0 to +3	110.2	99.4	≥98	A
3	D 6938	03113664-35-S1	6	129.0	17.7	+1.2	0 to +3	109.6	98.8	≥98	A
4	D 6938	03113664-35-S1	6	128.2	17.8	+1.3	0 to +3	108.8	98.1	≥98	A
5	D 6938	03113664-35-S1	6	129.0	16.8	+0.3	0 to +3	110.4	99.5	≥98	A
6	D 6938	03113664-35-S1	6	128.7	16.7	+0.2	0 to +3	110.3	99.5	≥98	A

Location

General Location: Sanitary line E Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+78	2' below S/G elev	Backfill
2	Near STA 2+82	2' below S/G elev	Backfill
3	Near STA 3+77	2' below S/G elev	Backfill
4	Near STA 4+80	2' below S/G elev	Backfill
5	Near STA 5+64	2' below S/G elev	Backfill
6	Near STA 1+78	1' below S/G elev	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:03113664-56

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S1	6	129.1	16.9	+0.4	0 to +3	110.4	99.5	≥98	A
8	D 6938	03113664-35-S1	6	129.1	17.0	+0.5	0 to +3	110.3	99.5	≥98	A
9	D 6938	03113664-35-S1	6	129.6	17.2	+0.7	0 to +3	110.6	99.7	≥98	A
10	D 6938	03113664-35-S1	6	129.3	17.1	+0.6	0 to +3	110.4	99.5	≥98	A
11	D 6938	03113664-35-S1	6	128.1	17.8	+1.3	0 to +3	108.7	98.0	≥98	A
12	D 6938	03113664-35-S1	6	129.1	17.8	+1.3	0 to +3	109.6	98.8	≥98	A

Location

General Location: Sanitary line E Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 2+82	1' below S/G elev	Backfill
8	Near STA 3+77	1' below S/G elev	Backfill
9	Near STA 4+80	1' below S/G elev	Backfill
10	Near STA 5+64	1' below S/G elev	Backfill
11	Near STA 1+78	Final S/G elev	Backfill
12	Near STA 2+82	Final S/G elev	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:03113664-56

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
13	D 6938	03113664-35-S1	6	129.2	17.8	+1.3	0 to +3	109.7	98.9	≥98	A
14	D 6938	03113664-35-S1	6	128.7	18.0	+1.5	0 to +3	109.1	98.4	≥98	A
15	D 6938	03113664-35-S1	6	129.7	17.4	+0.9	0 to +3	110.5	99.6	≥98	A

Location

General Location: Sanitary line E Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
13	Near STA 3+77	Final S/G elev	Backfill
14	Near STA 4+80	Final S/G elev	Backfill
15	Near STA 5+64	Final S/G elev	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:03113664-57

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/2/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2164
Serial Number:	65455	Standard Count: Moisture:	679
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.1	20.1	+1.9	0 to +3	101.7	98.7	≥98	A
2	D 6938	03113664-35-S2	6	121.9	19.7	+1.5	0 to +3	101.8	98.8	≥98	A
3	D 6938	03113664-35-S2	6	122.0	20.1	+1.9	0 to +3	101.6	98.6	≥98	A
4	D 6938	03113664-35-S2	6	121.9	18.7	+0.5	0 to +3	102.7	99.7	≥98	A
5	D 6938	03113664-35-S2	6	121.8	19.0	+0.8	0 to +3	102.4	99.4	≥98	A
6	D 6938	03113664-35-S2	6	122.0	19.8	+1.6	0 to +3	101.8	98.8	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 10+00	3' below S/G elev.	Backfill
2	Near STA 12+50	3' below S/G elev.	Backfill
3	Near STA 15+10	3' below S/G elev.	Backfill
4	Near STA 17+70	3' below S/G elev.	Backfill
5	Near STA 19+90	3' below S/G elev.	Backfill
6	Near STA 10+00	2' below S/G elev.	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:03113664-57

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.5	19.1	+0.9	0 to +3	102.9	99.9	≥98	A
8	D 6938	03113664-35-S2	6	123.0	19.9	+1.7	0 to +3	102.6	99.6	≥98	A
9	D 6938	03113664-35-S2	6	122.0	20.1	+1.9	0 to +3	101.6	98.6	≥98	A
10	D 6938	03113664-35-S2	6	121.3	19.3	+1.1	0 to +3	101.7	98.7	≥98	A
11	D 6938	03113664-35-S2	6	122.7	20.6	+2.4	0 to +3	101.7	98.7	≥98	A
12	D 6938	03113664-35-S2	6	121.7	20.4	+2.2	0 to +3	101.1	98.2	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 12+50	2' below S/G elev.	Backfill
8	Near STA 15+10	2' below S/G elev.	Backfill
9	Near STA 17+70	2' below S/G elev.	Backfill
10	Near STA 19+90	2' below S/G elev.	Backfill
11	Near STA 10+00	1' below S/G elev.	Backfill
12	Near STA 12+50	1' below S/G elev.	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:03113664-57

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
13	D 6938	03113664-35-S2	6	121.4	19.5	+1.3	0 to +3	101.6	98.6	≥98	A
14	D 6938	03113664-35-S2	6	121.6	18.9	+0.7	0 to +3	102.3	99.3	≥98	A
15	D 6938	03113664-35-S2	6	122.0	20.2	+2.0	0 to +3	101.5	98.5	≥98	A
16	D 6938	03113664-35-S2	6	121.7	18.8	+0.6	0 to +3	102.4	99.4	≥98	A
17	D 6938	03113664-35-S2	6	122.2	20.8	+2.6	0 to +3	101.2	98.3	≥98	A
18	D 6938	03113664-35-S2	6	121.8	19.2	+1.0	0 to +3	102.2	99.2	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
13	Near STA 15+10	1' below S/G elev.	Backfill
14	Near STA 17+70	1' below S/G elev.	Backfill
15	Near STA 19+90	1' below S/G elev.	Backfill
16	Near STA 10+00	Final S/G elev.	Backfill
17	Near STA 12+50	Final S/G elev.	Backfill
18	Near STA 15+10	Final S/G elev.	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:03113664-57

Issue No: 1

Field Density Test Report

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: 7/13/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
19	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
20	D 6938	03113664-35-S2	6	121.1	19.9	+1.7	0 to +3	101.0	98.1	≥98	A

Location

General Location: Sanitary Sewer line B

Test No.	Location	Test Elev/Depth	Material/Layer
19	Near STA 17+70	Final S/G elev.	Backfill
20	Near STA 19+90	Final S/G elev.	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:03113664-58

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/5/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2191
Serial Number:	65455	Standard Count: Moisture:	681
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.2	19.2	+1.0	0 to +4	101.7	98.7	≥98	A
2	D 6938	03113664-35-S2	6	122.1	19.9	+1.7	0 to +4	101.8	98.8	≥98	A
3	D 6938	03113664-35-S2	6	121.8	19.2	+1.0	0 to +4	102.2	99.2	≥98	A
4	D 6938	03113664-35-S2	6	122.0	18.9	+0.7	0 to +4	102.6	99.6	≥98	A
5	D 6938	03113664-35-S2	6	121.6	18.6	+0.4	0 to +4	102.5	99.5	≥98	A
6	D 6938	03113664-35-S2	6	122.1	18.9	+0.7	0 to +4	102.7	99.7	≥98	A

Location

General Location: Sanitary line F Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 2+20	2' below S/G elev	Backfill
2	At STA 3+12	2' below S/G elev	Backfill
3	At STA 4+36	2' below S/G elev	Backfill
4	At STA 5+37	2' below S/G elev	Backfill
5	At STA 2+20	1' below S/G elev	Backfill
6	At STA 3+12	1' below S/G elev	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:03113664-58

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	121.3	18.3	+0.1	0 to +4	102.5	99.5	≥98	A
8	D 6938	03113664-35-S2	6	122.5	19.1	+0.9	0 to +4	102.9	99.9	≥98	A
9	D 6938	03113664-35-S2	6	121.8	18.7	+0.5	0 to +4	102.6	99.6	≥98	A
10	D 6938	03113664-35-S2	6	122.1	18.8	+0.6	0 to +4	102.8	99.8	≥98	A
11	D 6938	03113664-35-S2	6	121.9	18.3	+0.1	0 to +4	103.0	100.0	≥98	A
12	D 6938	03113664-35-S2	6	122.0	18.9	+0.7	0 to +4	102.6	99.6	≥98	A

Location

General Location: Sanitary line F Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 4+36	1' below S/G elev	Backfill
8	At STA 5+37	1' below S/G elev	Backfill
9	At STA 2+20	Final S/G elev	Backfill
10	At STA 3+12	Final S/G elev	Backfill
11	At STA 4+36	Final S/G elev	Backfill
12	At STA 5+37	Final S/G elev	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:03113664-59

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/6/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2178
Serial Number:	65455	Standard Count: Moisture:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.3	18.7	+0.5	0 to +4	103.0	100.0	≥98	A
2	D 6938	03113664-35-S2	6	122.8	19.2	+1.0	0 to +4	103.0	100.0	≥98	A
3	D 6938	03113664-35-S2	6	121.8	18.5	+0.3	0 to +4	102.8	99.8	≥98	A
4	D 6938	03113664-35-S2	6	121.2	18.3	+0.1	0 to +4	102.5	99.5	≥98	A
5	D 6938	03113664-35-S2	6	122.7	19.7	+1.5	0 to +4	102.5	99.5	≥98	A
6	D 6938	03113664-35-S2	6	123.0	19.7	+1.5	0 to +4	102.8	99.8	≥98	A

Location

General Location: Sanitary line B Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 17+29	2' below S/G elev	Backfill
2	At STA 17+60	2' below S/G elev	Backfill
3	At STA 18+89	2' below S/G elev	Backfill
4	At STA 19+79	2' below S/G elev	Backfill
5	At STA 17+29	1' below S/G elev	Backfill
6	At STA 17+60	1' below S/G elev	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:03113664-59

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.6	18.6	+0.4	0 to +4	103.4	100.4	≥98	A
8	D 6938	03113664-35-S2	6	122.1	19.0	+0.8	0 to +4	102.6	99.6	≥98	A

Location

General Location: Sanitary line B Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 18+89	1' below S/G elev	Backfill
8	At STA 19+79	1' below S/G elev	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:03113664-60

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/7/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2177
Serial Number:	65455	Standard Count: Moisture:	685
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.6	18.5	+0.3	0 to +4	103.5	100.5	≥98	A
2	D 6938	03113664-35-S2	6	123.2	19.8	+1.6	0 to +4	102.8	99.8	≥98	A
3	D 6938	03113664-35-S2	6	122.9	18.7	+0.5	0 to +4	103.5	100.5	≥98	A
4	D 6938	03113664-35-S2	6	122.0	18.2	+0.0	0 to +4	103.2	100.2	≥98	A
5	D 6938	03113664-35-S2	6	121.3	18.5	+0.3	0 to +4	102.4	99.4	≥98	A
6	D 6938	03113664-35-S2	6	122.0	18.9	+0.7	0 to +4	102.6	99.6	≥98	A

Location

General Location: Sanitary line C Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+49	2' from subgrade	Backfill
2	At STA 3+51	2' from subgrade	Backfill
3	At STA 5+28	2' from subgrade	Backfill
4	At STA 8+75	2' from subgrade	Backfill
5	At STA 1+49	1' from subgrade	Backfill
6	At STA 3+51	1' from subgrade	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:03113664-60

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.4	19.0	+0.8	0 to +4	102.9	99.9	≥98	A
8	D 6938	03113664-35-S2	6	122.1	19.8	+1.6	0 to +4	101.9	98.9	≥98	A

Location

General Location: Sanitary line C Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 5+28	1' from subgrade	Backfill
8	At STA 8+75	1' from subgrade	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:03113664-61

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/8/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2190
Serial Number:	65455	Standard Count: Moisture:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.0	18.4	+0.2	0 to +4	103.0	100.0	≥98	A
2	D 6938	03113664-35-S2	6	122.0	19.9	+1.7	0 to +4	101.8	98.8	≥98	A
3	D 6938	03113664-35-S2	6	122.2	19.0	+0.8	0 to +4	102.7	99.7	≥98	A
4	D 6938	03113664-35-S2	6	121.8	18.3	+0.1	0 to +4	103.0	100.0	≥98	A

Location

General Location: Sanitary line B Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+49	Final S/G elev.	Backfill
2	At STA 3+51	Final S/G elev.	Backfill
3	At STA 5+28	Final S/G elev.	Backfill
4	At STA 8+75	Final S/G elev.	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:03113664-62

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/9/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2185
Serial Number:	65455	Standard Count: Moisture:	673
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S1	In-situ material	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	110.9	16.5

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	03113664-35-S1	6	128.6	17.1	+0.6	0 to +4	109.8	99.0	≥98	A
2	D 6938	03113664-35-S1	6	129.6	17.3	+0.8	0 to +4	110.5	99.6	≥98	A
3	D 6938	03113664-35-S1	6	128.9	18.0	+1.5	0 to +4	109.2	98.5	≥98	A
4	D 6938	03113664-35-S1	6	129.0	16.8	+0.3	0 to +4	110.4	99.5	≥98	A
5	D 6938	03113664-35-S1	6	129.7	17.3	+0.8	0 to +4	110.6	99.7	≥98	A
6	D 6938	03113664-35-S1	6	129.0	17.9	+1.4	0 to +4	109.4	98.6	≥98	A

Location

General Location: Sanitary Sewer line C

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+50	3' below S/G elev.	Backfill
2	Near STA 3+20	3' below S/G elev.	Backfill
3	Near STA 5+50	3' below S/G elev.	Backfill
4	Near STA 7+30	3' below S/G elev.	Backfill
5	Near STA 9+00	2' below S/G elev.	Backfill
6	Near STA 1+50	2' below S/G elev.	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:03113664-62

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S1	6	128.1	17.6	+1.1	0 to +4	108.9	98.2	≥98	A
8	D 6938	03113664-35-S1	6	128.2	16.5	+0.0	0 to +4	110.0	99.2	≥98	A
9	D 6938	03113664-35-S1	6	129.1	16.8	+0.3	0 to +4	110.5	99.6	≥98	A
10	D 6938	03113664-35-S1	6	129.0	17.3	+0.8	0 to +4	110.0	99.2	≥98	A
11	D 6938	03113664-35-S1	6	129.0	16.7	+0.2	0 to +4	110.5	99.6	≥98	A
12	D 6938	03113664-35-S1	6	129.0	17.2	+0.7	0 to +4	110.1	99.3	≥98	A

Location

General Location: Sanitary Sewer line C

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 3+20	2' below S/G elev.	Backfill
8	Near STA 5+50	2' below S/G elev.	Backfill
9	Near STA 7+30	2' below S/G elev.	Backfill
10	Near STA 9+00	2' below S/G elev.	Backfill
11	Near STA 1+50	1' below S/G elev.	Backfill
12	Near STA 3+20	1' below S/G elev.	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:03113664-62

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
13	D 6938	03113664-35-S1	6	128.9	17.3	+0.8	0 to +4	109.9	99.1	≥98	A
14	D 6938	03113664-35-S1	6	129.1	17.9	+1.4	0 to +4	109.5	98.7	≥98	A
15	D 6938	03113664-35-S1	6	128.6	16.9	+0.4	0 to +4	110.0	99.2	≥98	A
16	D 6938	03113664-35-S1	6	128.6	17.0	+0.5	0 to +4	109.9	99.1	≥98	A
17	D 6938	03113664-35-S1	6	128.8	17.2	+0.7	0 to +4	109.9	99.1	≥98	A
18	D 6938	03113664-35-S1	6	129.2	18.0	+1.5	0 to +4	109.5	98.7	≥98	A

Location

General Location: Sanitary Sewer line C

Test No.	Location	Test Elev/Depth	Material/Layer
13	Near STA 5+50	1' below S/G elev.	Backfill
14	Near STA 7+30	1' below S/G elev.	Backfill
15	Near STA 9+00	1' below S/G elev.	Backfill
16	Near STA 1+50	Final S/G elev.	Backfill
17	Near STA 3+30	Final S/G elev.	Backfill
18	Near STA 5+50	Final S/G elev.	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:03113664-62

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
19	D 6938	03113664-35-S1	6	128.6	16.8	+0.3	0 to +4	110.1	99.3	≥98	A
20	D 6938	03113664-35-S1	6	129.0	16.8	+0.3	0 to +4	110.4	99.5	≥98	A

Location

General Location: Sanitary Sewer line C

Test No.	Location	Test Elev/Depth	Material/Layer
19	Near STA 7+30	Final S/G elev.	Backfill
20	Near STA 9+00	Final S/G elev.	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:03113664-63

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/11/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2174
Serial Number:	65455	Standard Count: Moisture:	668
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.3	19.0	+0.8	0 to +4	102.8	99.8	≥98	A
2	D 6938	03113664-35-S2	6	121.1	18.6	+0.4	0 to +4	102.1	99.1	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +4	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.0	18.7	+0.5	0 to +4	102.8	99.8	≥98	A
5	D 6938	03113664-35-S2	6	122.1	19.0	+0.8	0 to +4	102.6	99.6	≥98	A
6	D 6938	03113664-35-S2	6	122.3	19.1	+0.9	0 to +4	102.7	99.7	≥98	A

Location

General Location: Sanitary Sewer line D

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+20	3' below S/G elev.	Backfill
2	Near STA 3+20	3' below S/G elev.	Backfill
3	Near STA 4+50	3' below S/G elev.	Backfill
4	Near STA 6+40	3' below S/G elev.	Backfill
5	Near STA 1+20	2' below S/G elev.	Backfill
6	Near STA 3+70	2' below S/G elev.	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:03113664-63

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	121.4	19.3	+1.1	0 to +4	101.8	98.8	≥98	A
8	D 6938	03113664-35-S2	6	121.6	19.2	+1.0	0 to +4	102.0	99.0	≥98	A

Location

General Location: Sanitary Sewer line D

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 4+50	2' below S/G elev.	Backfill
8	Near STA 6+50	2' below S/G elev.	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:03113664-64

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/12/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2188
Serial Number:	65455	Standard Count: Moisture:	675
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.7	18.2	+0.0	0 to +4	103.0	100.0	≥98	A
2	D 6938	03113664-35-S2	6	121.1	19.8	+1.6	0 to +4	101.1	98.2	≥98	A
3	D 6938	03113664-35-S2	6	121.6	18.7	+0.5	0 to +4	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.0	19.8	+1.6	0 to +4	101.8	98.8	≥98	A
5	D 6938	03113664-35-S2	6	121.9	18.2	+0.0	0 to +4	103.1	100.1	≥98	A
6	D 6938	03113664-35-S2	6	121.2	18.2	+0.0	0 to +4	102.5	99.5	≥98	A

Location

General Location: Sanitary Sewer line D

Test No.	Location	Test Elev/Depth	Material/Layer
1	Near STA 1+20	1' from subgrade	Backfill
2	Near STA 3+70	1' from subgrade	Backfill
3	Near STA 4+50	1' from subgrade	Backfill
4	Near STA 6+40	1' from subgrade	Backfill
5	Near STA 1+50	Final S/G elev.	Backfill
6	Near STA 3+70	Final S/G elev.	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:03113664-64

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.0	19.7	+1.5	0 to +4	101.9	98.9	≥98	A
8	D 6938	03113664-35-S2	6	121.9	18.3	+0.1	0 to +4	103.0	100.0	≥98	A

Location

General Location: Sanitary Sewer line D

Test No.	Location	Test Elev/Depth	Material/Layer
7	Near STA 4+50	Final S/G elev.	Backfill
8	Near STA 6+40	Final S/G elev.	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:03113664-65

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/13/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2186
Serial Number:	65455	Standard Count: Moisture:	669
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.6	18.8	+0.6	0 to +4	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.3	18.8	+0.6	0 to +4	102.1	99.1	≥98	A
3	D 6938	03113664-35-S2	6	122.1	19.2	+1.0	0 to +4	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.8	18.7	+0.5	0 to +4	103.5	100.5	≥98	A
5	D 6938	03113664-35-S2	6	122.2	19.0	+0.8	0 to +4	102.7	99.7	≥98	A
6	D 6938	03113664-35-S2	6	121.8	18.2	+0.0	0 to +4	103.0	100.0	≥98	A

Location

General Location: Sanitary line D Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+76	2' below S/G elev.	Backfill
2	At STA 2+65	2' below S/G elev.	Backfill
3	At STA 4+44	2' below S/G elev.	Backfill
4	At STA 5+34	2' below S/G elev.	Backfill
5	At STA 6+45	2' below S/G elev.	Backfill
6	At STA 1+76	1' below S/G elev.	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:03113664-65

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.3	18.9	+0.7	0 to +4	102.9	99.9	≥98	A
8	D 6938	03113664-35-S2	6	121.7	19.1	+0.9	0 to +4	102.2	99.2	≥98	A
9	D 6938	03113664-35-S2	6	122.0	19.1	+0.9	0 to +4	102.4	99.4	≥98	A
10	D 6938	03113664-35-S2	6	121.9	18.7	+0.5	0 to +4	102.7	99.7	≥98	A

Location

General Location: Sanitary line D Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 4+54	1' below S/G elev.	Backfill
8	At STA 4+44	1' below S/G elev.	Backfill
9	At STA 5+34	1' below S/G elev.	Backfill
10	At STA 6+45	1' below S/G elev.	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:03113664-66

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/14/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2171
Serial Number:	65455	Standard Count: Moisture:	687
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	19.1	+0.9	0 to +4	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.1	19.2	+1.0	0 to +4	101.6	98.6	≥98	A
3	D 6938	03113664-35-S2	6	122.3	19.9	+1.7	0 to +4	102.0	99.0	≥98	A
4	D 6938	03113664-35-S2	6	121.7	19.7	+1.5	0 to +4	101.7	98.7	≥98	A
5	D 6938	03113664-35-S2	6	121.2	19.2	+1.0	0 to +4	101.7	98.7	≥98	A

Location

General Location: Sanitary line D Laterals

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+76	Final S/G elev.	Backfill
2	At STA 3+65	Final S/G elev.	Backfill
3	At STA 4+44	Final S/G elev.	Backfill
4	At STA 5+34	Final S/G elev.	Backfill
5	At STA 6+45	Final S/G elev.	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:03113664-67

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/15/2022
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:	656
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.1	19.6	+1.4	0 to +3	101.3	98.3	≥98	A
2	D 6938	03113664-35-S2	6	122.0	20.1	+1.9	0 to +3	101.6	98.6	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.6	+1.4	0 to +3	101.9	98.9	≥98	A
4	D 6938	03113664-35-S2	6	121.3	19.7	+1.5	0 to +3	101.3	98.3	≥98	A
5	D 6938	03113664-35-S2	6	121.8	18.9	+0.7	0 to +3	102.4	99.4	≥98	A
6	D 6938	03113664-35-S2	6	122.0	19.1	+0.9	0 to +3	102.4	99.4	≥98	A

Location

General Location: 8" Water main Sycamore Hollow St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 8	1' below S/G elev.	Backfill
2	Front of Lot 12	1' below S/G elev.	Backfill
3	Front of Lot 15	1' below S/G elev.	Backfill
4	Front of Lot 18	1' below S/G elev.	Backfill
5	Front of Lot 8	Final S/G elev.	Backfill
6	Front of Lot 12	Final S/G elev.	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:03113664-67

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.1	19.9	+1.7	0 to +3	101.8	98.8	≥98	A
8	D 6938	03113664-35-S2	6	121.7	18.9	+0.7	0 to +3	102.4	99.4	≥98	A

Location

General Location: 8" Water main Sycamore Hollow St.

Test No.	Location	Test Elev/Depth	Material/Layer
7	Front of Lot 15	Final S/G elev.	Backfill
8	Front of Lot 18	Final S/G elev.	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:03113664-68

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/16/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2186
Serial Number:	65455	Standard Count: Moisture:	647
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	18.7	+0.5	0 to +3	102.7	99.7	≥98	A
2	D 6938	03113664-35-S2	6	121.8	18.5	+0.3	0 to +3	102.8	99.8	≥98	A
3	D 6938	03113664-35-S2	6	121.1	18.6	+0.4	0 to +3	102.1	99.1	≥98	A
4	D 6938	03113664-35-S2	6	121.8	18.3	+0.1	0 to +3	103.0	100.0	≥98	A
5	D 6938	03113664-35-S2	6	121.4	18.7	+0.5	0 to +3	102.3	99.3	≥98	A
6	D 6938	03113664-35-S2	6	122.0	18.6	+0.4	0 to +3	102.9	99.9	≥98	A

Location

General Location: 8" Water main Sycamore Crossing St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 2	1' below S/G elev.	Backfill
2	Front of Lot 6	1' below S/G elev.	Backfill
3	Front of Lot 10	1' below S/G elev.	Backfill
4	Front of Lot 14	Final S/G elev.	Backfill
5	Front of Lot 19	1' below S/G elev.	Backfill
6	Front of Lot 2	Final S/G elev.	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:03113664-68

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS CC: COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.1	19.9	+1.7	0 to +3	101.8	98.8	≥98	A
8	D 6938	03113664-35-S2	6	121.8	19.2	+1.0	0 to +3	102.2	99.2	≥98	A
9	D 6938	03113664-35-S2	6	121.3	19.2	+1.0	0 to +3	101.8	98.8	≥98	A
10	D 6938	03113664-35-S2	6	122.9	18.6	+0.4	0 to +3	103.6	100.6	≥98	A

Location

General Location: 8" Water main Sycamore Crossing St.

Test No.	Location	Test Elev/Depth	Material/Layer
7	Front of Lot 6	Final S/G elev.	Backfill
8	Front of Lot 10	Final S/G elev.	Backfill
9	Front of Lot 14	Final S/G elev.	Backfill
10	Front of Lot 19	Final S/G elev.	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:03113664-69

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/18/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2161
Serial Number:	65455	Standard Count: Moisture:	654
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.0	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.2	18.5	+0.3	0 to +3	102.3	99.3	≥98	A
3	D 6938	03113664-35-S2	6	121.6	18.6	+0.4	0 to +3	102.5	99.5	≥98	A
4	D 6938	03113664-35-S2	6	121.9	19.0	+0.8	0 to +3	102.4	99.4	≥98	A

Location

General Location: 8" Water main Lower Crossing St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 14	1' below S/G elev.	Backfill
2	Front of Lot 16	1' below S/G elev.	Backfill
3	Front of Lot 19	1' below S/G elev.	Backfill
4	Front of Lot 21	1' below S/G elev.	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:03113664-70

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/19/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2167
Serial Number:	65455	Standard Count: Moisture:	662
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.7	18.3	+0.1	0 to +3	102.9	99.9	≥98	A
2	D 6938	03113664-35-S2	6	120.9	19.3	+1.1	0 to +3	101.3	98.3	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.6	+1.4	0 to +3	101.9	98.9	≥98	A
4	D 6938	03113664-35-S2	6	121.9	18.9	+0.7	0 to +3	102.5	99.5	≥98	A

Location

General Location: 8" Water main Lower Crossing St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 14	Final S/G elev.	Backfill
2	Front of Lot 16	Final S/G elev.	Backfill
3	Front of Lot 19	Final S/G elev.	Backfill
4	Front of Lot 19	Final S/G elev.	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:03113664-71

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/20/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2172
Serial Number:	65455	Standard Count: Moisture:	658
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	122.0	18.9	+0.7	0 to +3	102.6	99.6	≥98	A
2	D 6938	03113664-35-S2	6	121.6	19.9	+1.7	0 to +3	101.4	98.4	≥98	A
3	D 6938	03113664-35-S2	6	122.0	19.9	+1.7	0 to +3	101.8	98.8	≥98	A
4	D 6938	03113664-35-S2	6	121.9	20.0	+1.8	0 to +3	101.6	98.6	≥98	A
5	D 6938	03113664-35-S2	6	122.1	20.1	+1.9	0 to +3	101.7	98.7	≥98	A
6	D 6938	03113664-35-S2	6	121.6	20.1	+1.9	0 to +3	101.2	98.3	≥98	A

Location

General Location: 8" Water main Lower Hollow St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 3	1' below S/G elev.	Backfill
2	Front of Lot 6	1' below S/G elev.	Backfill
3	Front of Lot 9	1' below S/G elev.	Backfill
4	Front of Lot 3	Final S/G elev.	Backfill
5	Front of Lot 6	Final S/G elev.	Backfill
6	Front of Lot 9	Final S/G elev.	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:03113664-72

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/21/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2170
Serial Number:	65455	Standard Count: Moisture:	648
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.8	19.0	+0.8	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.6	18.9	+0.7	0 to +3	102.3	99.3	≥98	A
3	D 6938	03113664-35-S2	6	122.3	20.1	+1.9	0 to +3	101.8	98.8	≥98	A
4	D 6938	03113664-35-S2	6	121.6	19.2	+1.0	0 to +3	102.0	99.0	≥98	A
5	D 6938	03113664-35-S2	6	121.5	20.3	+2.1	0 to +3	101.0	98.1	≥98	A
6	D 6938	03113664-35-S2	6	121.7	19.8	+1.6	0 to +3	101.6	98.6	≥98	A

Location

General Location: 8" Water main Lower Pass St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 1	1' below S/G elev.	Backfill
2	Front of Lot 4	1' below S/G elev.	Backfill
3	Front of Lot 6	1' below S/G elev.	Backfill
4	Front of Lot 8	1' below S/G elev.	Backfill
5	Front of Lot 1	Final S/G elev.	Backfill
6	Front of Lot 4	Final S/G elev.	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:03113664-72

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
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
7	D 6938	03113664-35-S2	6	122.3	20.4	+2.2	0 to +3	101.6	98.6	≥98	A
8	D 6938	03113664-35-S2	6	121.3	19.6	+1.4	0 to +3	101.4	98.4	≥98	A

Location

General Location: 8" Water main Lower Pass St.

Test No.	Location	Test Elev/Depth	Material/Layer
7	Front of Lot 6	Final S/G elev.	Backfill
8	Front of Lot 8	Final S/G elev.	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:03113664-73

Issue No: 1

Field Density Test Report

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: 7/22/2022

Client: ASHTON WOODS **CC:** COLBY OLGETREE

17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/22/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2177
Serial Number:	65455	Standard Count: Moisture:	669
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-25-S1	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.9	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	03113664-25-S1	6	124.0	20.2	+0.5	0 to +3	103.2	99.3	≥98	A
2	D 6938	03113664-25-S1	6	123.2	20.0	+0.3	0 to +3	102.7	98.8	≥98	A
3	D 6938	03113664-25-S1	6	124.0	20.1	+0.4	0 to +3	103.2	99.3	≥98	A
4	D 6938	03113664-25-S1	6	124.3	19.9	+0.2	0 to +3	103.7	99.8	≥98	A
5	D 6938	03113664-25-S1	6	124.7	20.4	+0.7	0 to +3	103.6	99.7	≥98	A

Location

General Location: 8" Water main Sycamore Pass St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 3	1' below S/G elev.	Backfill
2	Front of Lot 7	1' below S/G elev.	Backfill
3	Front of Lot 11	1' below S/G elev.	Backfill
4	Front of Lot 15	1' below S/G elev.	Backfill
5	Front of Lot 19	1' below S/G elev.	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:03113664-74

Issue No: 1

Field Density Test Report

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: 7/29/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/23/2022
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:	673
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.3	18.3	+0.1	0 to +4	102.5	99.5	≥98	A
2	D 6938	03113664-35-S2	6	122.3	19.0	+0.8	0 to +4	102.8	99.8	≥98	A
3	D 6938	03113664-35-S2	6	121.0	19.3	+1.1	0 to +4	101.4	98.4	≥98	A
4	D 6938	03113664-35-S2	6	122.2	19.1	+0.9	0 to +4	102.6	99.6	≥98	A
5	D 6938	03113664-35-S2	6	121.9	19.6	+1.4	0 to +4	101.9	98.9	≥98	A

Location

General Location: 8" Water main Sycamore Pass St.

Test No.	Location	Test Elev/Depth	Material/Layer
1	Front of Lot 3	Final S/G elev.	Backfill
2	Front of Lot 7	Final S/G elev.	Backfill
3	Front of Lot 11	Final S/G elev.	Backfill
4	Front of Lot 15	Final S/G elev.	Backfill
5	Front of Lot 19	Final S/G elev.	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:03113664-75

Issue No: 1

Field Density Test Report

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: 7/29/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/25/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2163
Serial Number:	65455	Standard Count: Moisture:	657
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	122.1	19.1	+0.9	0 to +3	102.5	99.5	≥98	A
3	D 6938	03113664-35-S2	6	121.3	19.8	+1.6	0 to +3	101.3	98.3	≥98	A
4	D 6938	03113664-35-S2	6	121.8	19.6	+1.4	0 to +3	101.8	98.8	≥98	A
5	D 6938	03113664-35-S2	6	121.9	19.0	+0.8	0 to +3	102.4	99.4	≥98	A

Location

General Location: 12" Water main at Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	50'E from Jungman Rd.	3' below S/G elev.	Backfill
2	250'E from Jungman Rd.	3' below S/G elev.	Backfill
3	450'E from Jungman Rd.	3' below S/G elev.	Backfill
4	650'E from Jungman Rd.	3' below S/G elev.	Backfill
5	850'E from Jungman Rd.	3' below S/G elev.	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:03113664-76

Issue No: 1

Field Density Test Report

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: 7/29/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/26/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2188
Serial Number:	65455	Standard Count: Moisture:	673
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-25-S1	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.9	19.7
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-25-S1	6	123.3	19.8	+0.1	0 to +3	102.9	99.0	≥98	A
2	D 6938	03113664-35-S2	6	121.8	19.1	+0.9	0 to +3	102.3	99.3	≥98	A
3	D 6938	03113664-35-S2	6	122.1	20.3	+2.1	0 to +3	101.5	98.5	≥98	A
4	D 6938	03113664-35-S2	6	120.9	19.3	+1.1	0 to +3	101.3	98.3	≥98	A
5	D 6938	03113664-35-S2	6	122.0	19.7	+1.5	0 to +3	101.9	98.9	≥98	A

Location

General Location: 12" Water main Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	100'E from Jungman Rd.	2' below S/G elev.	Backfill
2	300'E from Jungman Rd.	2' below S/G elev.	Backfill
3	500'E from Jungman Rd.	2' below S/G elev.	Backfill
4	700'E from Jungman Rd.	2' below S/G elev.	Backfill
5	900'E from Jungman Rd.	2' below S/G elev.	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:03113664-77

Issue No: 1

Field Density Test Report

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: 7/29/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/27/2022
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:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.9	18.6	+0.4	0 to +3	102.8	99.8	≥98	A
2	D 6938	03113664-35-S2	6	121.1	19.6	+1.4	0 to +3	101.3	98.3	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	121.3	18.9	+0.7	0 to +3	102.0	99.0	≥98	A
5	D 6938	03113664-35-S2	6	121.9	18.6	+0.4	0 to +3	102.8	99.8	≥98	A

Location

General Location: 12" Water main at Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	50'E from Jungman Rd.	1' below S/G elev.	Backfill
2	250'E from Jungman Rd.	1' below S/G elev.	Backfill
3	450'E from Jungman Rd.	1' below S/G elev.	Backfill
4	650'E from Jungman Rd.	1' below S/G elev.	Backfill
5	850'E from Jungman Rd.	1' below S/G elev.	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:03113664-78

Issue No: 1

Field Density Test Report

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: 7/29/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/28/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2178
Serial Number:	65455	Standard Count: Moisture:	682
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.6	19.6	+1.4	0 to +3	101.7	98.7	≥98	A
2	D 6938	03113664-35-S2	6	121.2	19.9	+1.7	0 to +3	101.1	98.2	≥98	A
3	D 6938	03113664-35-S2	6	121.6	19.8	+1.6	0 to +3	101.5	98.5	≥98	A
4	D 6938	03113664-35-S2	6	122.0	20.2	+2.0	0 to +3	101.5	98.5	≥98	A
5	D 6938	03113664-35-S2	6	120.9	19.5	+1.3	0 to +3	101.2	98.3	≥98	A

Location

General Location: 12" Water main at Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	50'E from Jungman Rd.	Final below S/G elev	Backfill
2	250'E from Jungman Rd.	Final below S/G elev	Backfill
3	450'E from Jungman Rd.	Final below S/G elev	Backfill
4	650'E from Jungman Rd.	Final below S/G elev	Backfill
5	850'E from Jungman Rd.	Final below S/G elev	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:03113664-79

Issue No: 1

Field Density Test Report

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: 8/4/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/29/2022
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:	663
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-5-S1	In-situ material	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	ASTM D 698 (A)	108.8	11.4

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	03113664-5-S1	6	120.9	12.0	+0.6	0 to +4	107.9	99.2	≥98	A
2	D 6938	03113664-5-S1	6	121.5	12.2	+0.8	0 to +4	108.3	99.5	≥98	A
3	D 6938	03113664-5-S1	6	120.2	12.8	+1.4	0 to +4	106.6	98.0	≥98	A
4	D 6938	03113664-5-S1	6	121.1	12.8	+1.4	0 to +4	107.4	98.7	≥98	A

Location

General Location: 16" Water main at Jungman Rd

Test No.	Location	Test Elev/Depth	Material/Layer
1	40'S from Hennersby Way	3' below S/G elev.	Backfill
2	50'N from Hennersby Way	3' below S/G elev.	Backfill
3	40'S from Hennersby Way	2' below S/G elev.	Backfill
4	50'N from Hennersby Way	2' below S/G elev.	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:03113664-80

Issue No: 1

Field Density Test Report

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: 8/4/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	7/30/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2188
Serial Number:	65455	Standard Count: Moisture:	672
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-5-S1	In-situ material	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	ASTM D 698 (A)	108.8	11.4

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	03113664-5-S1	6	121.3	12.9	+1.5	0 to +3	107.4	98.7	≥98	A
2	D 6938	03113664-5-S1	6	121.6	12.4	+1.0	0 to +3	108.2	99.4	≥98	A
3	D 6938	03113664-5-S1	6	122.0	12.2	+0.8	0 to +3	108.7	99.9	≥98	A
4	D 6938	03113664-5-S1	6	121.2	12.3	+0.9	0 to +3	107.9	99.2	≥98	A

Location

General Location: 16" Water main at Jungman Rd

Test No.	Location	Test Elev/Depth	Material/Layer
1	40'S from Hennersby Way	1' below S/G elev.	Backfill
2	50'N from Hennersby Way	1' below S/G elev.	Backfill
3	40'S from Hennersby Way	Final S/G elev.	Backfill
4	50'N from Hennersby Way	Final S/G elev.	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:03113664-81

Issue No: 1

Field Density Test Report

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: 8/4/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	8/1/2022
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:	681
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	120.6	19.1	+0.9	0 to +3	101.3	98.3	≥98	A
2	D 6938	03113664-35-S2	6	121.3	20.2	+2.0	0 to +3	100.9	98.0	≥98	A
3	D 6938	03113664-35-S2	6	121.4	20.3	+2.1	0 to +3	100.9	98.0	≥98	A
4	D 6938	03113664-35-S2	6	121.9	20.4	+2.2	0 to +3	101.2	98.3	≥98	A

Location

General Location: 16" Water main at Jungman Rd

Test No.	Location	Test Elev/Depth	Material/Layer
1	150'N from Hennesby Way	3' below S/G elev.	Backfill
2	300'N from Hennesby Way	3' below S/G elev.	Backfill
3	450'N from Hennesby Way	3' below S/G elev.	Backfill
4	550'N from Hennesby Way	3' below S/G elev.	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:03113664-82

Issue No: 1

Field Density Test Report

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: 8/4/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	8/2/2022
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:	677
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.3	19.0	+0.8	0 to +3	101.9	98.9	≥98	A
2	D 6938	03113664-35-S2	6	122.0	20.9	+2.7	0 to +3	100.9	98.0	≥98	A
3	D 6938	03113664-35-S2	6	121.7	20.2	+2.0	0 to +3	101.2	98.3	≥98	A
4	D 6938	03113664-35-S2	6	121.8	20.1	+1.9	0 to +3	101.4	98.4	≥98	A

Location

General Location: 16" Water main at Jungman Rd

Test No.	Location	Test Elev/Depth	Material/Layer
1	150'N from Hennesby Way	2' below S/G elev.	Backfill
2	300'N from Hennesby Way	2' below S/G elev.	Backfill
3	450'N from Hennesby Way	2' below S/G elev.	Backfill
4	600'N from Hennesby Way	2' below S/G elev.	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:03113664-84

Issue No: 1

Field Density Test Report

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: 8/30/2022

Client: ASHTON WOODS
17319 SAN PEDRO, SUITE 140
SAN ANTONIO, TX 78232
CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Testing Details

Tested By:	Benjamin Urbina	Date Tested:	8/15/2022
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:	648
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft ³)	OWC (%)
03113664-35-S2	In-situ material	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	ASTM D 698 (A)	103.0	18.2

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	03113664-35-S2	6	121.6	19.8	+1.6	0 to +4	101.5	98.5	≥98	A
2	D 6938	03113664-35-S2	6	121.9	18.9	+0.7	0 to +4	102.5	99.5	≥98	A
3	D 6938	03113664-35-S2	6	121.3	19.8	+1.6	0 to +4	101.3	98.3	≥98	A
4	D 6938	03113664-35-S2	6	121.6	19.9	+1.7	0 to +4	101.4	98.4	≥98	A
5	D 6938	03113664-35-S2	6	122.2	19.2	+1.0	0 to +4	102.5	99.5	≥98	A
6	D 6938	03113664-35-S2	6	122.1	20.1	+1.9	0 to +4	101.7	98.7	≥98	A

Location

General Location: 3/4" Water laterals at Sycamore Hollow

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 1 and 2	1' below S/G elev.	Backfill
2	Between lots 1 and 2	Final S/G elev.	Backfill
3	Between lots 8 and 9	1' below S/G elev.	Backfill
4	Between lots 8 and 9	Final S/G elev.	Backfill
5	Between lots 17 and 18	1' below S/G elev.	Backfill
6	Between lots 17 and 18	Final S/G elev.	Backfill

Comments

Legend

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