



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



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17319 SAN PEDRO, SUITE 140
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CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
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

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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

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Report No: FDR:03113664-49

Issue No: 1

Field Density Test Report

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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
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Issue No: 1

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Date of Issue: 6/27/2022

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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	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

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Report No: FDR:03113664-50

Issue No: 1

Field Density Test Report

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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

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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	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
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Report No: FDR:03113664-67

Issue No: 1

Field Density Test Report

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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

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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

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Report No: FDR:03113664-68

Issue No: 1

Field Density Test Report

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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

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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/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	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

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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
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Report No: FDR:03113664-70

Issue No: 1

Field Density Test Report

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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/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	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
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Report No: FDR:03113664-71

Issue No: 1

Field Density Test Report

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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

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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
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Report No: FDR:03113664-72

Issue No: 1

Field Density Test Report

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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

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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:	7/22/2022
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
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Report No: FDR:03113664-74

Issue No: 1

Field Density Test Report

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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

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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
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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 (%)	OWC Var (%)	OWC 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
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Report No: FDR:03113664-77

Issue No: 1

Field Density Test Report

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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
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Professional Service Industries, Inc.
Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-78

Issue No: 1

Field Density Test Report

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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
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Phone: (210) 342-9377
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Report No: FDR:03113664-79

Issue No: 1

Field Density Test Report

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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.
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Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-80

Issue No: 1

Field Density Test Report

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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
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Professional Service Industries, Inc.
Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-81

Issue No: 1

Field Density Test Report

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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/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	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 Hennersby Way	3' below S/G elev.	Backfill
2	300'N from Hennersby Way	3' below S/G elev.	Backfill
3	450'N from Hennersby Way	3' below S/G elev.	Backfill
4	550'N from Hennersby 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
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Phone: (210) 342-9377
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Report No: FDR:03113664-82

Issue No: 1

Field Density Test Report

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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 Hennersby Way	2' below S/G elev.	Backfill
2	300'N from Hennersby Way	2' below S/G elev.	Backfill
3	450'N from Hennersby Way	2' below S/G elev.	Backfill
4	600'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
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Report No: FDR:03113664-84

Issue No: 1

Field Density Test Report

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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/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	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
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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
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Report No: FDR:03113664-85

Issue No: 1

Field Density Test Report

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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:	8/16/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2187
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	121.4	19.0	+0.8	0 to +3	102.0	99.0	≥98	A
2	D 6938	03113664-35-S2	6	122.3	19.1	+0.9	0 to +3	102.7	99.7	≥98	A
3	D 6938	03113664-35-S2	6	121.3	19.3	+1.1	0 to +3	101.7	98.7	≥98	A
4	D 6938	03113664-35-S2	6	121.7	20.0	+1.8	0 to +3	101.4	98.4	≥98	A
5	D 6938	03113664-35-S2	6	121.5	19.5	+1.3	0 to +3	101.7	98.7	≥98	A
6	D 6938	03113664-35-S2	6	121.7	18.8	+0.6	0 to +3	102.4	99.4	≥98	A

Location

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

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 4 and 5	1' below S/G elev.	Backfill
2	Between lots 4 and 5	Final S/G elev.	Backfill
3	Between lots 9 and 10	1' below S/G elev.	Backfill
4	Between lots 9 and 10	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



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:03113664-86

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:	8/17/2022
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 (%)
03113664-25-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	124.1	19.7	+0.0	0 to +3	103.7	99.8	≥98	A
2	D 6938	03113664-25-S1	6	124.9	19.9	+0.2	0 to +3	104.2	100.3	≥98	A
3	D 6938	03113664-25-S1	6	124.6	19.7	+0.0	0 to +3	104.1	100.2	≥98	A
4	D 6938	03113664-25-S1	6	124.7	19.7	+0.0	0 to +3	104.2	100.3	≥98	A
5	D 6938	03113664-25-S1	6	123.7	19.9	+0.2	0 to +3	103.2	99.3	≥98	A
6	D 6938	03113664-25-S1	6	124.0	20.1	+0.4	0 to +3	103.2	99.3	≥98	A

Location

General Location: 3/4" Water laterals at Lower Crossing

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 13 and 14	1' below S/G elev.	Backfill
2	Between lots 13 and 14	Final S/G elev.	Backfill
3	Between lots 17 and 18	1' below S/G elev.	Backfill
4	Between lots 17 and 18	Final S/G elev.	Backfill
5	Between lots 20 and 21	1' below S/G elev.	Backfill
6	Between lots 20 and 21	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:03113664-87

Issue No: 1

Field Density Test Report

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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:	8/18/2022
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	19.1	+0.9	0 to +3	102.2	99.2	≥98	A
2	D 6938	03113664-35-S2	6	121.5	19.6	+1.4	0 to +3	101.6	98.6	≥98	A
3	D 6938	03113664-35-S2	6	121.7	20.1	+1.9	0 to +3	101.3	98.3	≥98	A
4	D 6938	03113664-35-S2	6	122.7	19.0	+0.8	0 to +3	103.1	100.1	≥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	121.7	20.0	+1.8	0 to +3	101.4	98.4	≥98	A

Location

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

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 12 and 13	1' below S/G elev.	Backfill
2	Between lots 12 and 13	Final S/G elev.	Backfill
3	Between lots 16 and 17	1' below S/G elev.	Backfill
4	Between lots 16 and 17	Final S/G elev.	Backfill
5	Between lots 7 and 8	1' below S/G elev.	Backfill
6	Between lots 7 and 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:03113664-88

Issue No: 1

Field Density Test Report

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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:	8/19/2022
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:	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	121.7	20.5	+2.3	0 to +3	101.0	98.1	≥95	A
2	D 6938	03113664-35-S2	6	121.9	19.9	+1.7	0 to +3	101.7	98.7	≥95	A
3	D 6938	03113664-35-S2	6	122.0	18.6	+0.4	0 to +3	102.9	99.9	≥95	A
4	D 6938	03113664-35-S2	6	122.1	20.9	+2.7	0 to +3	101.0	98.1	≥95	A
5	D 6938	03113664-35-S2	6	122.2	20.7	+2.5	0 to +3	101.2	98.3	≥95	A
6	D 6938	03113664-35-S2	6	122.5	19.1	+0.9	0 to +3	102.9	99.9	≥95	A

Location

General Location: 3/4" Water laterals at Lower View

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 2 and 3	1' below S/G elev.	Backfill
2	Between lots 2 and 3	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 13 and 14	1' below S/G elev.	Backfill
6	Between lots 13 and 14	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:03113664-89

Issue No: 1

Field Density Test Report

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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:	8/20/2022
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	122.1	19.8	+1.6	0 to +3	101.9	98.9	≥98	A
2	D 6938	03113664-35-S2	6	122.4	19.7	+1.5	0 to +3	102.3	99.3	≥98	A
3	D 6938	03113664-35-S2	6	121.8	19.3	+1.1	0 to +3	102.1	99.1	≥98	A
4	D 6938	03113664-35-S2	6	122.0	19.6	+1.4	0 to +3	102.0	99.0	≥98	A
5	D 6938	03113664-35-S2	6	122.0	19.3	+1.1	0 to +3	102.3	99.3	≥98	A
6	D 6938	03113664-35-S2	6	121.8	19.4	+1.2	0 to +3	102.0	99.0	≥98	A

Location

General Location: 3/4" Water laterals at Lower Pass

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 5 and 4	1' below S/G elev.	Backfill
2	Between lots 4 and 5	Final S/G elev.	Backfill
3	Between lots 9 and 10	1' below S/G elev.	Backfill
4	Between lots 9 and 10	Final S/G elev.	Backfill
5	Between lots 13 and 14	1' below S/G elev.	Backfill
6	Between lots 13 and 14	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:03113664-90

Issue No: 1

Field Density Test Report

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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:	8/22/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2184
Serial Number:	65455	Standard Count: Moisture:	663
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	19.0	+0.8	0 to +4	102.4	99.4	≥98	A
2	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +4	102.4	99.4	≥98	A
3	D 6938	03113664-35-S2	6	121.3	19.6	+1.4	0 to +4	101.4	98.4	≥98	A
4	D 6938	03113664-35-S2	6	121.3	20.1	+1.9	0 to +4	101.0	98.1	≥98	A
5	D 6938	03113664-35-S2	6	121.2	19.9	+1.7	0 to +4	101.1	98.2	≥98	A
6	D 6938	03113664-35-S2	6	121.5	20.1	+1.9	0 to +4	101.2	98.3	≥98	A

Location

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

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 5 and 6	1' below S/G elev.	Backfill
4	Between lots 5 and 6	Final S/G elev.	Backfill
5	Between lots 25 and 26	1' below S/G elev.	Backfill
6	Between lots 25 and 26	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:03113664-91

Issue No: 1

Field Density Test Report

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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:	8/23/2022
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	122.1	19.8	+1.6	0 to +3	101.9	98.9	≥98	A
2	D 6938	03113664-35-S2	6	121.2	18.6	+0.4	0 to +3	102.2	99.2	≥98	A
3	D 6938	03113664-35-S2	6	121.2	18.4	+0.2	0 to +3	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.0	19.1	+0.9	0 to +3	102.4	99.4	≥98	A
5	D 6938	03113664-35-S2	6	121.3	19.2	+1.0	0 to +3	101.8	98.8	≥98	A
6	D 6938	03113664-35-S2	6	121.8	19.1	+0.9	0 to +3	102.3	99.3	≥98	A

Location

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

Test No.	Location	Test Elev/Depth	Material/Layer
1	Between lots 11 and 12	1' below S/G elev.	Backfill
2	Between lots 11 and 12	Final S/G elev.	Backfill
3	Between lots 15 and 16	1' below S/G elev.	Backfill
4	Between lots 15 and 16	Final S/G elev.	Backfill
5	Between lots 16 and 17	1' below S/G elev.	Backfill
6	Between lots 16 and 17	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:03113664-103

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/5/2022

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:	10/4/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2218
Serial Number:	65455	Standard Count: Moisture:	695
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	124.1	20.3	+0.6	0 to +3	103.2	99.3	≥98	A
2	D 6938	03113664-25-S1	6	123.1	20.9	+1.2	0 to +3	101.8	98.0	≥98	A
3	D 6938	03113664-25-S1	6	123.6	20.8	+1.1	0 to +3	102.3	98.5	≥98	A
4	D 6938	03113664-25-S1	6	124.1	21.2	+1.5	0 to +3	102.4	98.6	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 24+50	2' below S/G elev.	Backfill
2	At STA 25+50	2' below S/G elev.	Backfill
3	At STA 29+50	2' below S/G elev.	Backfill
4	At STA 31+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:03113664-104

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/18/2022

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:	10/5/2022
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:	683
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-35-S2	6	121.3	19.5	+1.3	0 to +3	101.5	98.5	≥98	A
2	D 6938	03113664-35-S2	6	121.6	19.6	+1.4	0 to +3	101.7	98.7	≥98	A
3	D 6938	03113664-35-S2	6	121.4	19.9	+1.7	0 to +3	101.3	98.3	≥98	A
4	D 6938	03113664-35-S2	6	122.2	19.0	+0.8	0 to +3	102.7	99.7	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 23+50	Final lift	Backfill (SAWS)
2	At STA 26+00	Final lift	Backfill (SAWS)
3	At STA 28+50	Final lift	Backfill (SAWS)
4	At STA 31+50	Final lift	Backfill (SAWS)

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:03113664-105

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/18/2022

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:	10/6/2022
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:	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	19.9	+1.7	0 to +3	101.7	98.7	≥98	A
2	D 6938	03113664-35-S2	6	121.0	19.3	+1.1	0 to +3	101.4	98.4	≥98	A
3	D 6938	03113664-35-S2	6	121.8	18.9	+0.7	0 to +3	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	121.0	19.7	+1.5	0 to +3	101.1	98.2	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 33+00	2' below S/G elev.	Backfill (SAWS)
2	At STA 35+50	2' below S/G elev.	Backfill (SAWS)
3	At STA 37+50	2' below S/G elev.	Backfill (SAWS)
4	At STA 39+50	2' below S/G elev.	Backfill (SAWS)

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:03113664-106

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/18/2022

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:	10/7/2022
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:	693
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-35-S2	6	121.0	19.9	+1.7	0 to +3	100.9	98.0	≥98	A
2	D 6938	03113664-35-S2	6	121.8	18.8	+0.6	0 to +3	102.5	99.5	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.9	+1.7	0 to +3	101.7	98.7	≥98	A
4	D 6938	03113664-35-S2	6	122.0	20.6	+2.4	0 to +3	101.2	98.3	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 33+00	Final lift	Backfill (SAWS)
2	At STA 35+50	Final lift	Backfill (SAWS)
3	At STA 37+50	Final lift	Backfill (SAWS)
4	At STA 39+50	Final lift	Backfill (SAWS)

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
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Phone: (210) 342-9377
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Report No: FDR:03113664-107

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/18/2022

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:	10/8/2022
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:	692
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	123.6	19.8	+0.1	0 to +3	103.2	99.3	≥98	A
2	D 6938	03113664-25-S1	6	124.5	19.9	+0.2	0 to +3	103.8	99.9	≥98	A
3	D 6938	03113664-25-S1	6	123.9	20.2	+0.5	0 to +3	103.1	99.2	≥98	A
4	D 6938	03113664-25-S1	6	123.8	20.1	+0.4	0 to +3	103.1	99.2	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 41+50	2' below S/G elev.	Backfill (SAWS)
2	At STA 43+50	2' below S/G elev.	Backfill (SAWS)
3	At STA 45+50	2' below S/G elev.	Backfill (SAWS)
4	At STA 47+50	2' below S/G elev.	Backfill (SAWS)

Comments

Legend

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



Professional Service Industries, Inc.
Three Burwood Lane
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Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-108

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/18/2022

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:	10/10/2022
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:	680
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-25-S1	6	124.7	20.3	+0.6	0 to +3	103.7	99.8	≥98	A
2	D 6938	03113664-25-S1	6	123.4	19.9	+0.2	0 to +3	102.9	99.0	≥98	A
3	D 6938	03113664-25-S1	6	124.5	20.5	+0.8	0 to +3	103.3	99.4	≥98	A
4	D 6938	03113664-25-S1	6	123.9	20.8	+1.1	0 to +3	102.6	98.7	≥98	A

Location

General Location: 12" Water Main, Hennersby Way

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 41+50	Final lift	Backfill (SAWS)
2	At STA 43+50	Final lift	Backfill (SAWS)
3	At STA 45+50	Final lift	Backfill (SAWS)
4	At STA 47+50	Final lift	Backfill (SAWS)

Comments

Legend

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



Professional Service Industries, Inc.
Three Burwood Lane
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Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-109

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/24/2022

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:	10/12/2022
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2213
Serial Number:	65455	Standard Count: Moisture:	687
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	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/ft³)	Water Content (%)	OWC Var (%)	OWC Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-35-S2	6	121.3	19.3	+1.1	0 to +4	101.7	98.7	≥98	A
2	D 6938	03113664-35-S2	6	122.9	19.0	+0.8	0 to +4	103.3	100.3	≥98	A
3	D 6938	03113664-35-S2	6	123.5	20.1	+1.9	0 to +4	102.8	99.8	≥98	A
4	D 6938	03113664-35-S2	6	121.9	20.0	+1.8	0 to +4	101.6	98.6	≥98	A

Location

General Location: 12" Water Main, Hennersby lane

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+00	3' below S/G elev.	Backfill (SAWS)
2	At STA 4+00	3' below S/G elev.	Backfill (SAWS)
3	At STA 8+00	3' below S/G elev.	Backfill (SAWS)
4	At STA 12+50	3' below S/G elev.	Backfill (SAWS)

Comments

Legend

OWC = Optimum Water Content
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A = TEST RESULTS COMPLY WITH SPECIFICATION



Professional Service Industries, Inc.
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Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: FDR:03113664-111

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/24/2022

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:	10/19/2022
Field Methods:	ASTM D 6938		
Contractor:	R.T.M. Construction, Ltd	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2181
Serial Number:	65455	Standard Count: Moisture:	683
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	120.3	19.2	+1.0	0 to +4	100.9	98.0	≥98	A
2	D 6938	03113664-35-S2	6	122.9	20.1	+1.9	0 to +4	102.3	99.3	≥98	A
3	D 6938	03113664-35-S2	6	121.9	19.0	+0.8	0 to +4	102.4	99.4	≥98	A
4	D 6938	03113664-35-S2	6	122.1	20.8	+2.6	0 to +4	101.1	98.2	≥98	A

Location

General Location: 12" Water Main, Hennersby lane

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 1+50	2' below S/G elev.	Backfill (SAWS)
2	At STA 4+50	2' below S/G elev.	Backfill (SAWS)
3	At STA 8+50	2' below S/G elev.	Backfill (SAWS)
4	At STA 12+50	2' below S/G elev.	Backfill (SAWS)

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
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Report No: FDR:03113664-112

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 10/24/2022

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:	10/20/2022
Field Methods:	ASTM D 6938		
Contractor:	R.T.M. Construction, Ltd	Gauge Make/Model:	Troxler/3430
Test Mode:	Direct Transmission	Standard Count: Density:	2164
Serial Number:	65455	Standard Count: Moisture:	653
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	19.8	+1.6	0 to +4	101.1	98.2	≥98	A
2	D 6938	03113664-35-S2	6	121.3	20.1	+1.9	0 to +4	101.0	98.1	≥98	A
3	D 6938	03113664-35-S2	6	122.0	20.9	+2.7	0 to +4	100.9	98.0	≥98	A
4	D 6938	03113664-35-S2	6	122.7	21.2	+3.0	0 to +4	101.2	98.3	≥98	A
5	D 6938	03113664-35-S2	6	122.4	20.8	+2.6	0 to +4	101.3	98.3	≥98	A
6	D 6938	03113664-35-S2	6	121.9	19.2	+1.0	0 to +4	102.3	99.3	≥98	A

Location

General Location: 12" Water Main, Hennesby lane

Test No.	Location	Test Elev/Depth	Material/Layer
1	At STA 2+00	1' below S/G elev.	Backfill
2	At STA 5+00	1' below S/G elev.	Backfill
3	At STA 9+00	1' below S/G elev.	Backfill
4	At STA 13+50	1' below S/G elev.	Backfill
5	At STA 2+50	Final S/G elev.	Backfill
6	At STA 5+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
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Report No: FDR:03113664-112

Issue No: 1

Field Density Test Report

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 10/24/2022

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	20.7	+2.5	0 to +4	101.2	98.3	≥98	A
8	D 6938	03113664-35-S2	6	121.9	19.1	+0.9	0 to +4	102.4	99.4	≥98	A

Location

General Location: 12" Water Main, Hennersby lane

Test No.	Location	Test Elev/Depth	Material/Layer
7	At STA 13+00	Final S/G elev.	Backfill
8	At STA 13+50	Final S/G elev.	Backfill

Comments

Legend

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