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

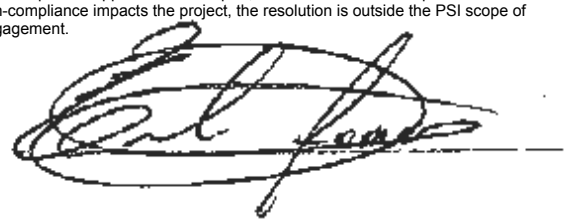
Report No: FDR:03113664-161
Issue No: 1

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



Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/16/2023

Testing Details

Tested By:	Benjamin Urbina	**Date Tested:**	1/12/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	**Gauge Make/Model:**	Troxler/3430
Test Mode:	Direct Transmission	**Standard Count: Density:**	2180
Serial Number:	65455	**Standard Count: Moisture:**	679
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03113664-131-S2	Ace Aggregates	Crushed Limestone (Roadway Base)	ASTM D 1557 (C)	140.3	6.1

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-131-S2	6	148.2	6.5	+0.4	–2 to +2	139.2	**99.2**	≥95	A
2	D 6938	03113664-131-S2	6	148.5	6.9	+0.8	–2 to +2	138.9	**99.0**	≥95	A
3	D 6938	03113664-131-S2	6	149.1	7.0	+0.9	–2 to +2	139.3	**99.3**	≥95	A
4	D 6938	03113664-131-S2	6	148.6	6.8	+0.7	–2 to +2	139.1	**99.1**	≥95	A
5	D 6938	03113664-131-S2	6	148.1	6.5	+0.4	–2 to +2	139.1	**99.1**	≥95	A
6	D 6938	03113664-131-S2	6	148.8	6.3	+0.2	–2 to +2	140.0	**99.8**	≥95	A

Location

General Location: Clubhouse parking lot/driveway pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	40' S from Hennersby way	1st lift	Base (Pavement)
2	70' S from Hennersby way	1st lift	Base (Pavement)
3	100' S from Hennersby way	1st lift	Base (Pavement)
4	40' S from Hennersby way	Final lift	Base (Pavement)
5	70' S from Hennersby way	Final lift	Base (Pavement)
6	100' S from Hennersby way	Final lift	Base (Pavement)

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:03113664-164
Issue No: 1

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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/23/2023

Testing Details

Tested By:	Benjamin Urbina	**Date Tested:**	1/18/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	**Gauge Make/Model:**	Troxler/3430
Test Mode:	Direct Transmission	**Standard Count: Density:**	2168
Serial Number:	65455	**Standard Count: Moisture:**	673
Weather:	Clear to Partly Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03113664-143-S1	Vulcan Materials	Crushed Limestone (Roadway Base - Vulcan O'Conner)	ASTM D 698 (C)	137.2	8.1

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-143-S1	6	148.2	8.5	+0.4	−1 to +3	136.6	**99.6**	≥95	A
2	D 6938	03113664-143-S1	6	148.6	8.4	+0.3	−1 to +3	137.1	**99.9**	≥95	A
3	D 6938	03113664-143-S1	6	149.1	9.1	+1.0	−1 to +3	136.7	**99.6**	≥95	A
4	D 6938	03113664-143-S1	6	145.1	9.3	+1.2	−1 to +3	132.8	**96.8**	≥95	A
5	D 6938	03113664-143-S1	6	148.1	8.7	+0.6	−1 to +3	136.2	**99.3**	≥95	A
6	D 6938	03113664-143-S1	6	147.8	8.3	+0.2	−1 to +3	136.5	**99.5**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	STA 20+50 N bound	1st lift	Base (Pavement)
2	STA 24+30 N bound	1st lift	Base (Pavement)
3	STA 26+80 N bound	1st lift	Base (Pavement)
4	STA 30+50 N bound	1st lift	Base (Pavement)
5	STA 33+10 N bound	1st lift	Base (Pavement)
6	STA 35+70 N bound	1st lift	Base (Pavement)

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
Fax: (210) 342-9401

Report No: FDR:03113664-164
Issue No: 1

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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/23/2023

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03113664-143-S1	6	148.4	8.8	+0.7	−1 το +3	136.4	**99.4**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
7	STA 37+50 N bound	1st lift	Base (Pavement)

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:03113664-167
Issue No: 1

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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/30/2023

Testing Details

Tested By:	Benjamin Urbina	**Date Tested:**	1/26/2023
Field Methods:	ASTM D 6938		
Contractor:	KV Knowlton	**Gauge Make/Model:**	Troxler/3430
Test Mode:	Direct Transmission	**Standard Count: Density:**	2192
Serial Number:	65455	**Standard Count: Moisture:**	685
Weather:	Clear		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03113664-143-S1	Vulcan Materials	Crushed Limestone (Roadway Base - Vulcan O'Conner)	ASTM D 698 (C)	137.2	8.1

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-143-S1	6	145.9	9.1	+1.0	−2 to +2	133.7	**97.4**	≥95	A
2	D 6938	03113664-143-S1	6	146.1	10.1	+2.0	−2 to +2	132.7	**96.7**	≥95	A
3	D 6938	03113664-143-S1	6	146.5	10.0	+1.9	−2 to +2	133.2	**97.1**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	STA 35+20, North bound	1st lift	Base (Pavement)
2	STA 36+75, North bound	1st lift	Base (Pavement)
3	STA 38+45, North bound	1st lift	Base (Pavement)

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
Fax: (210) 342-9401

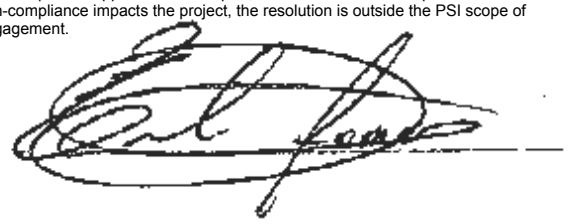
Report No: FDR:03113664-168
Issue No: 1

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



Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/30/2023

Testing Details

Tested By:	Benjamin Urbina	**Date Tested:**	1/28/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	**Gauge Make/Model:**	Troxler/3430
Test Mode:	Direct Transmission	**Standard Count: Density:**	2180
Serial Number:	65455	**Standard Count: Moisture:**	691
Weather:	Cloudy/ Lt. Rain		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03113664-131-S1	Ace Aggregates	Crushed Limestone (Roadway Base)	ASTM D 1557 (C)	138.0	6.5

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-131-S1	6	144.9	6.9	+0.4	–2 to +2	135.5	**98.2**	≥95	A
2	D 6938	03113664-131-S1	6	145.1	6.9	+0.4	–2 to +2	135.7	**98.3**	≥95	A
3	D 6938	03113664-131-S1	6	146.0	7.5	+1.0	–2 to +2	135.8	**98.4**	≥95	A
4	D 6938	03113664-131-S1	6	145.1	7.2	+0.7	–2 to +2	135.4	**98.1**	≥95	A
5	D 6938	03113664-131-S1	6	144.9	7.6	+1.1	–2 to +2	134.7	**97.6**	≥95	A
6	D 6938	03113664-131-S1	6	144.2	6.2	-0.3	–2 to +2	135.8	**98.4**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	STA 19+75, North bound	Final lift	Base (Pavement)
2	STA 22+45, North bound	Final lift	Base (Pavement)
3	STA 24+50, North bound	Final lift	Base (Pavement)
4	STA 26+45, North bound	Final lift	Base (Pavement)
5	STA 28+65, North bound	Final lift	Base (Pavement)
6	STA 30+25, North bound	Final lift	Base (Pavement)

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
Fax: (210) 342-9401

Report No: FDR:03113664-168
Issue No: 1

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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/30/2023

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03113664-131-S1	6	143.6	6.3	-0.2	–2 to +2	135.1	**97.9**	≥95	A
8	D 6938	03113664-131-S1	6	144.7	6.8	+0.3	–2 to +2	135.5	**98.2**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
7	STA 32+45, North bound	Final lift	Base (Pavement)
8	STA 34+55, North bound	Final lift	Base (Pavement)

Comments

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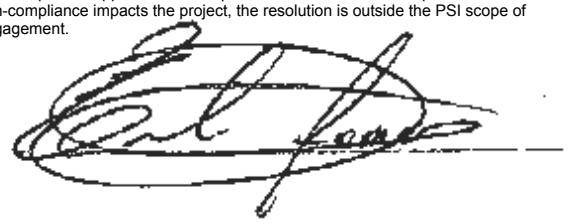

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 2/17/2023

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:**	2/14/2023
Field Methods:	ASTM D 6938		
Contractor:	VK Knowlton	**Gauge Make/Model:**	Troxler/3430
Test Mode:	Direct Transmission	**Standard Count: Density:**	2199
Serial Number:	65455	**Standard Count: Moisture:**	673
Weather:	Cloudy		

Proctor Information

Sample ID	Supplier	Material	Method	MDD (lb/ft³)	OWC (%)
03113664-131-S1	Ace Aggregates	Crushed Limestone (Roadway Base)	ASTM D 1557 (C)	138.0	6.5

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
1	D 6938	03113664-131-S1	6	147.2	7.1	+0.6	–2 to +2	137.4	**99.6**	≥95	A
2	D 6938	03113664-131-S1	6	147.1	7.3	+0.8	–2 to +2	137.1	**99.3**	≥95	A
3	D 6938	03113664-131-S1	6	146.2	7.4	+0.9	–2 to +2	136.1	**98.6**	≥95	A
4	D 6938	03113664-131-S1	6	146.9	6.9	+0.4	–2 to +2	137.4	**99.6**	≥95	A
5	D 6938	03113664-131-S1	6	146.6	7.0	+0.5	–2 to +2	137.0	**99.3**	≥95	A
6	D 6938	03113664-131-S1	6	147.3	6.8	+0.3	–2 to +2	137.9	**99.9**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
1	STA 20+50 South bound	Final lift	Base (Pavement)
2	STA 22+90 South bound	Final lift	Base (Pavement)
3	STA 25+50 South bound	Final lift	Base (Pavement)
4	STA 28+30 South bound	Final lift	Base (Pavement)
5	STA 30+50 South bound	Final lift	Base (Pavement)
6	STA 33+80 South bound	Final lift	Base (Pavement)

Comments

Legend

OWC = Optimum Water Content
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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:03113664-169
Issue No: 1

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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 2/17/2023

Test Results

Test No.	Method	Proctor Sample ID	Probe Depth (in.)	Wet Density (lb/ft³)	Water Content (%)	OWC Var (%)	OWC Var Spec (%)	Dry Density (lb/ft³)	Comp (%)	Comp Spec (%)	Results
7	D 6938	03113664-131-S1	6	145.9	6.7	+0.2	−2 το +2	136.7	**99.1**	≥95	A

Location

General Location: Jungman Rd widening pavement

Test No.	Location	Test Elev/Depth	Material/Layer
7	STA 37+20 South bound	Final lift	Base (Pavement)

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: MAT:03113664-5-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 3/29/2022

Sample Details

Sample ID:	03113664-5-S1	**Lift:**	
Client Sample ID:	Lab #194	**Contractor:**	
Date Sampled:	03/22/22		
Sampled By:	Ignacio Vasquez		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay w/Sand (CH), Brown		
General Location:	On Site		
Location:	On Site		

Other Test Results

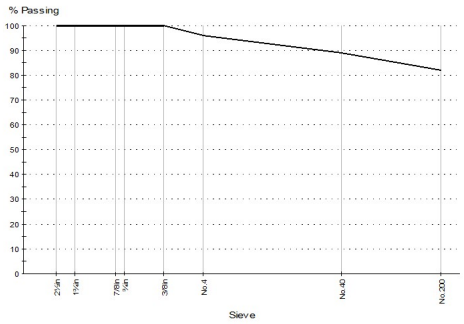
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	82.1	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		3/28/2022	
Group Symbol	ASTM D 2487	CH	
Group Name		Fat clay with sand	
Tested By		David Rosales	
Date Tested		3/29/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		11.4	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		53	
Plastic Limit		18	
Plasticity Index		35	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		3/28/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 3/28/2022
Tested By: David Rosales

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	96	
No.40 (425µm)	89	
No.200 (75µm)	82	

Chart



Comments

N/A

Professional Service Industries, Inc.
Three Burwood Lane
San Antonio, TX 78216
Texas Firm Registration No. F-03307
Phone: (210) 342-9377
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Report No: MAT:03113664-5-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 3/29/2022

Sample Details

Sample ID:	03113664-5-S1	**Lift:**	
Client Sample ID:	Lab #194	**Contractor:**	
Date Sampled:	03/22/22		
Sampled By:	Ignacio Vasquez		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay w/Sand (CH), Brown		
General Location:	On Site		
Location:	On Site		

Other Test Results

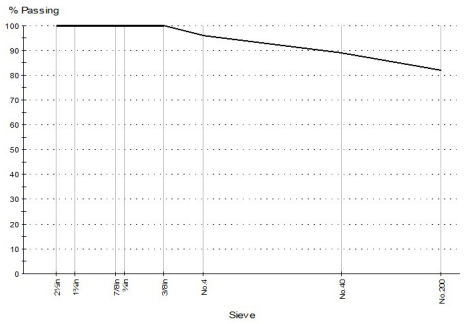
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	108.8	
Corrected Maximum Dry Unit Weight (lbf/ft³)		108.8	
Optimum Water Content (%)		11.4	
Corrected Optimum Water Content (%)		11.4	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Est. ASTM D 698	2.35	
Tested By		Ignacio Vasquez	
Date Tested		3/28/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 3/28/2022
Tested By: David Rosales

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	96	
No.40 (425µm)	89	
No.200 (75µm)	82	

Chart



Comments

N/A

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

Report No: MAT:03113664-8-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/6/2022

Sample Details

Sample ID:	03113664-8-S1	**Lift:**	
Client Sample ID:	Lab #209	**Contractor:**	
Date Sampled:	03/29/22		
Sampled By:	Terence Brown		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay (CH), Brown		
General Location:	On Site		
Location:	On Site		

Other Test Results

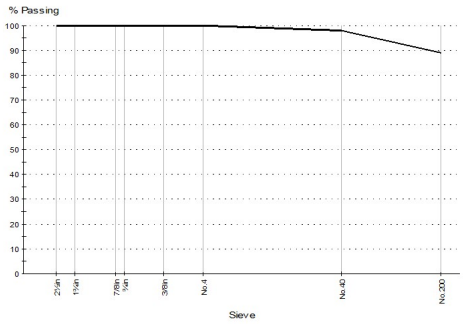
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	98.9	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		3/31/2022	
Group Symbol	ASTM D 2487	CH	
Group Name		Fat clay	
Tested By		David Rosales	
Date Tested		4/6/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		2.5	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		57	
Plastic Limit		18	
Plasticity Index		39	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		3/31/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 3/31/2022
Tested By: Ignacio Vasquez

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	100	
No.40 (425µm)	98	
No.200 (75µm)	89	

Chart



Comments

N/A

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

Report No: MAT:03113664-8-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/6/2022

Sample Details

Sample ID:	03113664-8-S1	**Lift:**	
Client Sample ID:	Lab #209	**Contractor:**	
Date Sampled:	03/29/22		
Sampled By:	Terence Brown		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay (CH), Brown		
General Location:	On Site		
Location:	On Site		

Other Test Results

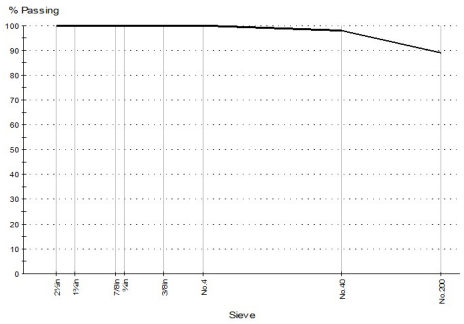
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	94.9	
Corrected Maximum Dry Unit Weight (lbf/ft³)		94.9	
Optimum Water Content (%)		24.8	
Corrected Optimum Water Content (%)		24.8	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Est. ASTM D 698	2.60	
Tested By		Ignacio Vasquez	
Date Tested		3/31/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 3/31/2022
Tested By: Ignacio Vasquez

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	100	
No.40 (425µm)	98	
No.200 (75µm)	89	

Chart



Comments

N/A

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

Report No: MAT:03113664-14-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/12/2022

Sample Details

Sample ID:	03113664-14-S1	**Lift:**	
Client Sample ID:	Lab #217	**Contractor:**	
Date Sampled:	03/31/22		
Sampled By:	Benjamin Urbina		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay (CH), Brown		
General Location:	On site Material		
Location:	Lots		

Other Test Results

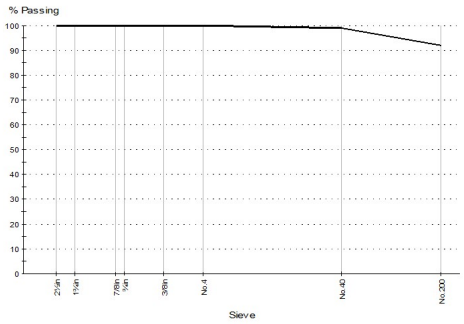
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	91.7	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/7/2022	
Group Symbol	ASTM D 2487	CH	
Group Name		Fat clay	
Tested By		David Rosales	
Date Tested		4/12/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		1.4	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		64	
Plastic Limit		22	
Plasticity Index		42	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		4/7/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/7/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	100	
No.40 (425µm)	99	
No.200 (75µm)	92	

Chart



Comments

N/A

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

Report No: MAT:03113664-14-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/12/2022

Sample Details

Sample ID:	03113664-14-S1	**Lift:**	
Client Sample ID:	Lab #217	**Contractor:**	
Date Sampled:	03/31/22		
Sampled By:	Benjamin Urbina		
Specification:	Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)		
Sampling Method:	Sampled Onsite		
Soil Description:	Fat Clay (CH), Brown		
General Location:	On site Material		
Location:	Lots		

Other Test Results

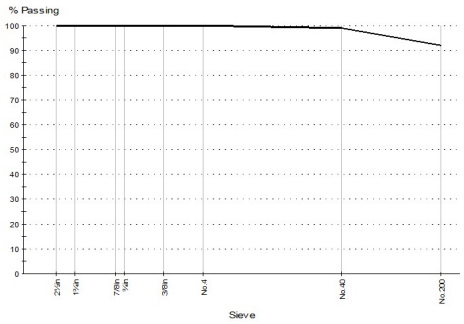
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	95.0	
Corrected Maximum Dry Unit Weight (lbf/ft³)		95.0	
Optimum Water Content (%)		26.7	
Corrected Optimum Water Content (%)		26.7	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	EST.	2.70	
Tested By	ASTM D 698	Trevor Ahin	
Date Tested		4/7/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/7/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	100	
No.40 (425µm)	99	
No.200 (75µm)	92	

Chart



Comments

N/A

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

Report No: MAT:03113664-25-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/20/2022

Sample Details

Sample ID:	03113664-25-S1
Client Sample ID:	Lab #238
Date Sampled:	04/08/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Roadway
Location:	On Site
Lift:	
Contractor:	

Other Test Results

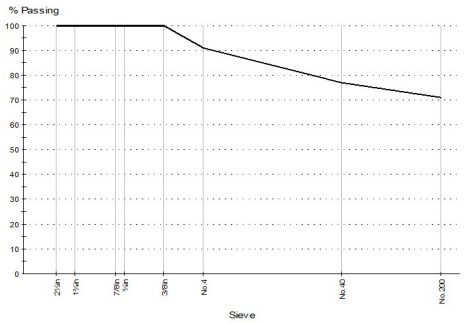
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	70.6	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/18/2022	
Group Symbol	ASTM D 2487	CL	
Group Name		Lean clay with sand	
Tested By		David Rosales	
Date Tested		4/19/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		23.0	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		41	
Plastic Limit		14	
Plasticity Index		27	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		4/18/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/18/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	91	
No.40 (425µm)	77	
No.200 (75µm)	71	
Finer No.200 (75µm)	71	

Chart



Comments

N/A

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

Report No: MAT:03113664-25-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/20/2022

Sample Details

Sample ID:	03113664-25-S1
Client Sample ID:	Lab #238
Date Sampled:	04/08/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Roadway
Location:	On Site
Lift:	
Contractor:	

Other Test Results

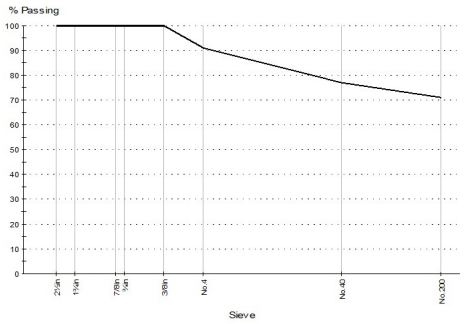
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	103.9	
Corrected Maximum Dry Unit Weight (lbf/ft³)		103.9	
Optimum Water Content (%)		19.7	
Corrected Optimum Water Content (%)		19.7	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated	2.62	
Tested By	ASTM D 698	Trevor Ahin	
Date Tested		4/18/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/18/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	91	
No.40 (425µm)	77	
No.200 (75µm)	71	
Finer No.200 (75µm)	71	

Chart



Comments

N/A

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

Report No: MAT:03113664-35-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S1
Client Sample ID:	Lab #270
Date Sampled:	04/22/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Utility trench Sta:3+50
Location:	On Site
Lift:	
Contractor:	

Other Test Results

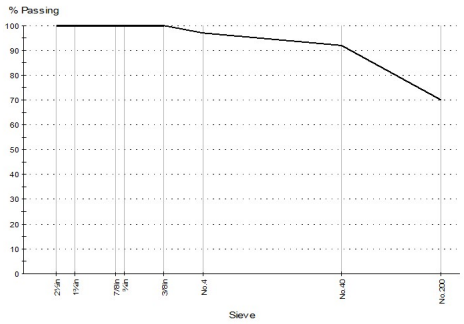
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	69.5	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/29/2022	
Group Symbol	ASTM D 2487	CL	
Group Name		Sandy lean clay	
Tested By		David Rosales	
Date Tested		5/2/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		8.1	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		35	
Plastic Limit		13	
Plasticity Index		22	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		4/29/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/29/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	97	
No.40 (425µm)	92	
No.200 (75µm)	70	
Finer No.200 (75µm)	70	

Chart



Comments

N/A

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

Report No: MAT:03113664-35-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S1
Client Sample ID:	Lab #270
Date Sampled:	04/22/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Utility trench Sta:3+50
Location:	On Site
Lift:	
Contractor:	

Other Test Results

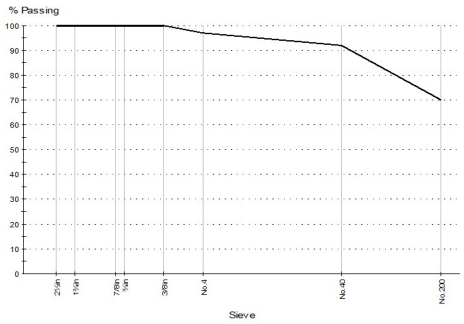
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	110.9	
Corrected Maximum Dry Unit Weight (lbf/ft³)		110.9	
Optimum Water Content (%)		16.5	
Corrected Optimum Water Content (%)		16.5	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated	2.65	
Tested By	ASTM D 698	Trevor Ahin	
Date Tested		4/29/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/29/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	97	
No.40 (425µm)	92	
No.200 (75µm)	70	
Finer No.200 (75µm)	70	

Chart



Comments

N/A

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

Report No: MAT:03113664-35-S2
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S2
Client Sample ID:	Lab #271
Date Sampled:	04/22/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Utility trench Sta:3+50
Location:	On Site
Lift:	
Contractor:	

Other Test Results

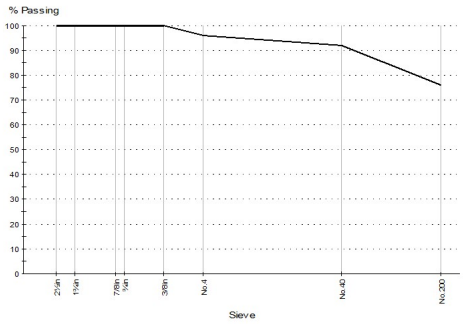
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	76.4	
Test Method			
Initial dry mass (g)		1000.0	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/29/2022	
Group Symbol	ASTM D 2487	CL	
Group Name		Lean clay with sand	
Tested By		David Rosales	
Date Tested		5/2/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		8.2	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		36	
Plastic Limit		12	
Plasticity Index		24	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		4/29/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/29/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	96	
No.40 (425µm)	92	
No.200 (75µm)	76	
Finer No.200 (75µm)	76	

Chart



Comments

N/A

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

Report No: MAT:03113664-35-S2
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S2
Client Sample ID:	Lab #271
Date Sampled:	04/22/22
Sampled By:	Benjamin Urbina
Specification:	Backfill/General Fill
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)
Sampling Method:	On-site Stockpile
Soil Description:	Lean Clay w/Sand (CL), Brown
General Location:	Utility trench Sta:3+50
Location:	On Site
Lift:	
Contractor:	

Other Test Results

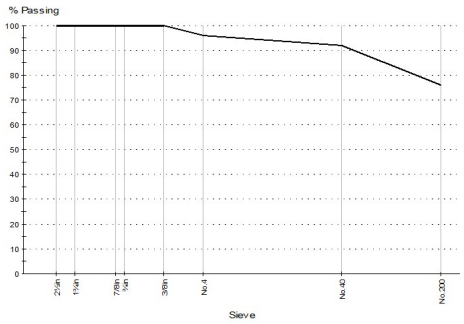
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	103.0	
Corrected Maximum Dry Unit Weight (lbf/ft³)		103.0	
Optimum Water Content (%)		18.2	
Corrected Optimum Water Content (%)		18.2	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated	2.55	
Tested By	ASTM D 698	Trevor Ahin	
Date Tested		4/29/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 4/29/2022
Tested By: Trevor Ahin

Sieve Size	% Passing	Limits
2½in (63.0mm)	100	
1¾in (45.0mm)	100	
7/8in (22.4mm)	100	
¾in (19.0mm)	100	
3/8in (9.5mm)	100	
No.4 (4.75mm)	96	
No.40 (425µm)	92	
No.200 (75µm)	76	
Finer No.200 (75µm)	76	

Chart



Comments

N/A

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

Report No: MAT:03113664-123-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S1 **Lift:**
Client Sample ID:	Lab #821 **Contractor:**
Date Sampled:	11/01/22
Sampled By:	David Rosales
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Sycamore Crossing
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		61	
Plastic Limit		44	
Plasticity Index		17	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/7/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/7/2022	

Particle Size Distribution

Chart

Comments

N/A

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Report No: MAT:03113664-123-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S1 **Lift:**
Client Sample ID:	Lab #821 **Contractor:**
Date Sampled:	11/01/22
Sampled By:	David Rosales
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Sycamore Crossing
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	86.0	
Corrected Maximum Dry Unit Weight (lbf/ft³)		86.0	
Optimum Water Content (%)		28.2	
Corrected Optimum Water Content (%)		28.2	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated ASTM D 698	2.40	
Tested By		Ignacio Vasquez	
Date Tested		11/5/2022	

Particle Size Distribution

Limits

Chart

Comments

N/A

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Three Burwood Lane
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Report No: MAT:03113664-123-S2
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S2 **Lift:**
Client Sample ID:	Lab #822 **Contractor:**
Date Sampled:	11/01/22
Sampled By:	David Rosales
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Lower Crossing
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		63	
Plastic Limit		45	
Plasticity Index		18	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/7/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/7/2022	

Particle Size Distribution

Chart

Comments

N/A

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Material 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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S2 **Lift:**
Client Sample ID:	Lab #822 **Contractor:**
Date Sampled:	11/01/22
Sampled By:	David Rosales
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Lower Crossing
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	90.1	
Corrected Maximum Dry Unit Weight (lbf/ft³)		90.1	
Optimum Water Content (%)		24.5	
Corrected Optimum Water Content (%)		24.5	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated ASTM D 698	2.35	
Tested By		Ignacio Vasquez	
Date Tested		11/5/2022	

Particle Size Distribution

Limits

Chart

Comments

N/A

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Report No: MAT:03113664-127-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID:	03113664-127-S1 **Lift:**
Client Sample ID:	Lab #842 **Contractor:**
Date Sampled:	11/04/22
Sampled By:	Benjamin Urbina
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Sycamore pass street
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		51	
Plastic Limit		33	
Plasticity Index		18	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/12/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/12/2022	

Particle Size Distribution

Chart

Comments

N/A

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Issue No: 1

Material 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

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID:	03113664-127-S1 **Lift:**
Client Sample ID:	Lab #842 **Contractor:**
Date Sampled:	11/04/22
Sampled By:	Benjamin Urbina
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Sycamore pass street
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	89.4	
Corrected Maximum Dry Unit Weight (lbf/ft³)		89.4	
Optimum Water Content (%)		24.7	
Corrected Optimum Water Content (%)		24.7	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated ASTM D 698	2.35	
Tested By		David Rosales	
Date Tested		11/12/2022	

Particle Size Distribution

Limits

Chart

Comments

N/A

Professional Service Industries, Inc.
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Report No: MAT:03113664-127-S2
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID:	03113664-127-S2 **Lift:**
Client Sample ID:	Lab #843 **Contractor:**
Date Sampled:	11/04/22
Sampled By:	Benjamin Urbina
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Lower pass street
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		55	
Plastic Limit		46	
Plasticity Index		9	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/12/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/12/2022	

Particle Size Distribution

Chart

Comments

N/A

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Issue No: 1

Material Test Report

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

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID: 03113664-127-S2 **Lift:**
Client Sample ID: Lab #843 **Contractor:**
Date Sampled: 11/04/22
Sampled By: Benjamin Urbina
Specification: Lime Treated Subgrade
Supplier: In-situ material
Source: In-situ material
Material: Brown Clay (Lime Treated Subgrade)
Sampling Method: Sampled Onsite
Soil Description: Lime Treated Brn Clay
General Location: Lower pass street
Location: On site material

Other Test Results

Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	89.0	
Corrected Maximum Dry Unit Weight (lbf/ft³)		89.0	
Optimum Water Content (%)		24.7	
Corrected Optimum Water Content (%)		24.7	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated ASTM D 698	2.30	
Tested By		David Rosales	
Date Tested		11/12/2022	

Particle Size Distribution

Limits

Chart

Comments

N/A

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

Report No: MAT:03113664-131-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S1 **Lift:**
Client Sample ID:	Lab #857 **Contractor:**
Date Sampled:	11/11/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	Pavement
Location:	On site

Other Test Results

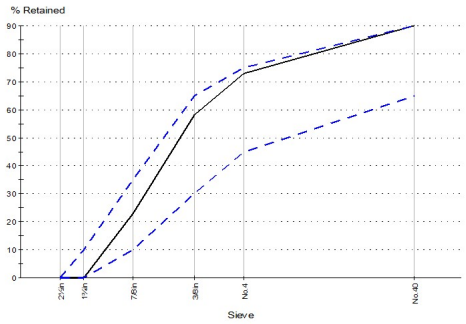
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	10.5	
Test Method			
Initial dry mass (g)		4331.8	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		11/21/2022	
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 1557	134.1	
Corrected Maximum Dry Unit Weight (lbf/ft³)		138.0	
Optimum Water Content (%)		7.8	
Corrected Optimum Water Content (%)		6.5	
Method		C	
Preparation Method		Moist	
Retained Sieve 3/8" (9.5mm) (%)		41	
Retained Sieve 3/4" (19mm) (%)		21	
Specific Gravity (Oversize)		2.48	
Specific Gravity (Fines)	Estimated ASTM D 1557	2.70	
Tested By		Ignacio Vasquez	
Date Tested		11/18/2022	
Group Symbol	ASTM D 2487	GP-GC	
Group Name	Poorly graded gravel with clay and sand (or silty clay and sand)		
Tested By		David Rosales	
Date Tested		11/21/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		89.5	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 11/21/2022
Tested By: David Rosales

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	23	10 to 35
3/8in (9.5mm)	58	30 to 65
No.4 (4.75mm)	73	45 to 75
No.40 (425µm)	90	65 to 90

Chart



Comments

N/A

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Report No: MAT:03113664-131-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S1 **Lift:**
Client Sample ID:	Lab #857 **Contractor:**
Date Sampled:	11/11/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	Pavement
Location:	On site

Other Test Results

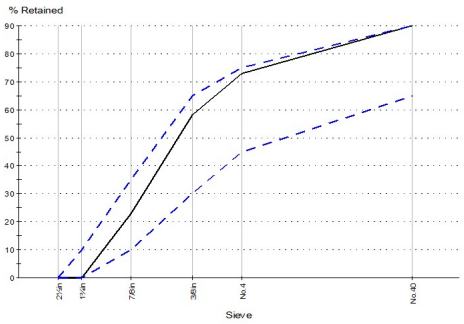
Description	Method	Result	Limits
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		21	≤40
Plastic Limit		15	
Plasticity Index		6	≤10
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/21/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 11/21/2022
Tested By: David Rosales

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	23	10 to 35
3/8in (9.5mm)	58	30 to 65
No.4 (4.75mm)	73	45 to 75
No.40 (425µm)	90	65 to 90

Chart



Comments

N/A

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Report No: MAT:03113664-131-S2
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Material Test Report

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CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S2 **Lift:**
Client Sample ID:	Lab #858 **Contractor:**
Date Sampled:	11/11/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	Pavement
Location:	On site

Other Test Results

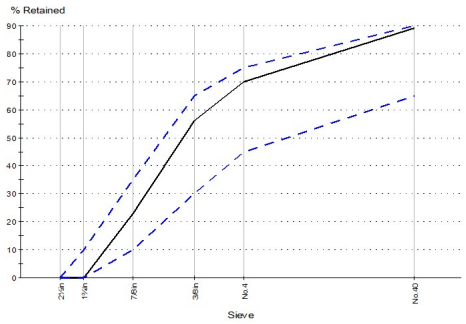
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	11.0	
Test Method			
Initial dry mass (g)		4236.6	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		11/21/2022	
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 1557	133.7	
Corrected Maximum Dry Unit Weight (lbf/ft³)		140.3	
Optimum Water Content (%)		7.3	
Corrected Optimum Water Content (%)		6.1	
Method		C	
Preparation Method		Moist	
Retained Sieve 3/8" (9.5mm) (%)		56	
Retained Sieve 3/4" (19mm) (%)		23	
Specific Gravity (Oversize)		2.70	
Specific Gravity (Fines)	Estimated ASTM D 1557	2.65	
Tested By		Ignacio Vasquez	
Date Tested		11/21/2022	
Group Symbol	ASTM D 2487	GP-GC	
Group Name	Poorly graded gravel with clay and sand (or silty clay and sand)		
Tested By		David Rosales	
Date Tested		11/21/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		89.0	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 11/21/2022
Tested By: David Rosales

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	23	10 to 35
3/8in (9.5mm)	56	30 to 65
No.4 (4.75mm)	70	45 to 75
No.40 (425µm)	89	65 to 90

Chart



Comments

N/A

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Report No: MAT:03113664-131-S2
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S2 **Lift:**
Client Sample ID:	Lab #858 **Contractor:**
Date Sampled:	11/11/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	Pavement
Location:	On site

Other Test Results

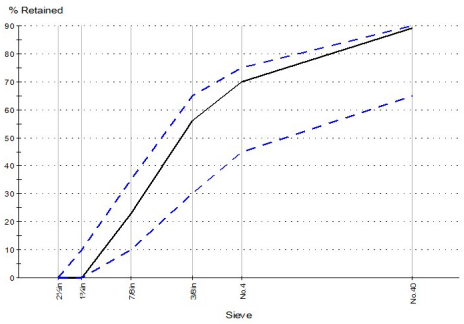
Description	Method	Result	Limits
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		26	≤40
Plastic Limit		17	
Plasticity Index		9	≤10
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		11/21/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 11/21/2022
Tested By: David Rosales

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	23	10 to 35
3/8in (9.5mm)	56	30 to 65
No.4 (4.75mm)	70	45 to 75
No.40 (425µm)	89	65 to 90

Chart



Comments

N/A

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

Report No: MAT:03113664-140-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/12/2022

Sample Details

Sample ID:	03113664-140-S1	**Lift:**	
Client Sample ID:	Lab #872	**Contractor:**	
Date Sampled:	12/02/22		
Sampled By:	Benjamin Urbina		
Specification:	Lime Treated Subgrade		
Supplier:	In-situ material		
Source:	In-situ material		
Material:	Brown Clay (Lime Treated Subgrade)		
Sampling Method:	Sampled Onsite		
Soil Description:	Lime Treated Brn Clay		
General Location:	Roadway		
Location:	On site material		

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		68	
Plastic Limit		32	
Plasticity Index		36	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		12/6/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		11.3*	≥12.4
pH - Calcium Chloride			
Date Tested		12/6/2022	
Maximum Dry Density (lb/ft³)	Tex-114-E	83.8	
Optimum Water Content (%)		33.5	
Tested By		Trevor Ahin	
Date Tested		12/6/2022	

Particle Size Distribution

Chart

Comments

* = Result does not meet the 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: MAT:03113664-143-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/13/2022

Sample Details

Sample ID:	03113664-143-S1 **Lift:**
Client Sample ID:	Lab #874 **Contractor:**
Date Sampled:	12/01/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Vulcan Materials
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base - Vulcan O'Conner)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	On site
Location:	On site

Other Test Results

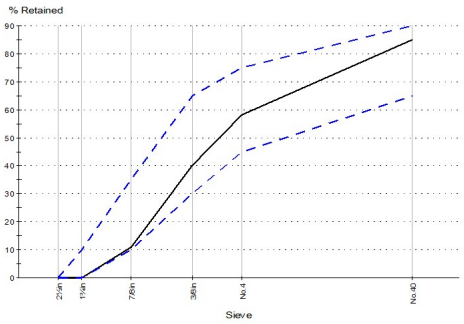
Description	Method	Result	Limits
Material Finer than No. 200 (%)	ASTM D 1140	15.4	
Test Method			
Initial dry mass (g)		4060.4	
Dry mass determination		Dry mass directly determined	
Tested By		Ignacio Vasquez	
Method A Soaking Time (min)		180	
Date Tested		12/7/2022	
Group Symbol	ASTM D 2487	GP-GC	
Group Name		Poorly graded gravel with clay (or silty clay)	
Tested By		David Rosales	
Date Tested		12/12/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		175.6	
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		22	≤40
Plastic Limit		12	
Plasticity Index		10	≤10
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		12/9/2022	

Particle Size Distribution

Method: ASTM C 136, ASTM C 117
Drying By: Oven
Date Tested: 12/9/2022
Tested By: Trevor Ahin

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	11	10 to 35
3/8in (9.5mm)	40	30 to 65
No.4 (4.75mm)	58	45 to 75
No.40 (425µm)	85	65 to 90

Chart



Comments

N/A

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

Report No: MAT:03113664-143-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/13/2022

Sample Details

Sample ID:	03113664-143-S1 **Lift:**
Client Sample ID:	Lab #874 **Contractor:**
Date Sampled:	12/01/22
Sampled By:	Benjamin Urbina
Specification:	Grade 1-2; 2014 Specification
Supplier:	Vulcan Materials
Source:	In-situ material
Material:	Crushed Limestone (Roadway Base - Vulcan O'Conner)
Sampling Method:	Sampled Onsite
Soil Description:	Crushed Limestone
General Location:	On site
Location:	On site

Other Test Results

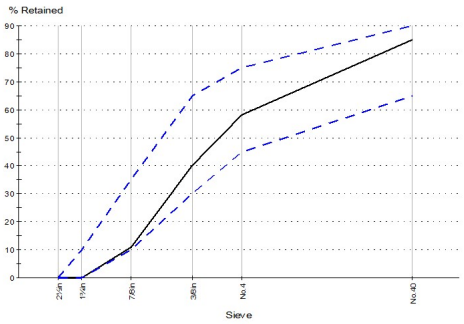
Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	133.1	
Corrected Maximum Dry Unit Weight (lbf/ft³)		137.2	
Optimum Water Content (%)		9.1	
Corrected Optimum Water Content (%)		8.1	
Method		C	
Preparation Method		Moist	
Rammer Type		6" Standard	
Retained Sieve 3/4" (19mm) (%)		14	
Specific Gravity (Oversize)		2.70	
Tested By		Trevor Ahin	
Date Tested		12/9/2022	

Particle Size Distribution

Method:	ASTM C 136, ASTM C 117
Drying By:	Oven
Date Tested:	12/9/2022
Tested By:	Trevor Ahin

Sieve Size	% Retained	Limits
2½in (63.0mm)	0	0
1¾in (45.0mm)	0	0 to 10
7/8in (22.4mm)	11	10 to 35
3/8in (9.5mm)	40	30 to 65
No.4 (4.75mm)	58	45 to 75
No.40 (425µm)	85	65 to 90

Chart



Comments

N/A

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

Report No: MAT:03113664-160-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/11/2023

Sample Details

Sample ID:	03113664-160-S1 **Lift:**
Client Sample ID:	Lab #1 **Contractor:**
Date Sampled:	01/03/23
Sampled By:	Benjamin Urbina
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay ()Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Roadway
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)			
Method of Removal		Wet Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process		ASTM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		65	
Plastic Limit		46	
Plasticity Index		19	
Liquid Limit Procedure		One-point (B)	
Tested By		Ignacio Vasquez	
Date Tested		1/5/2023	
Sieve Size	ASTM D 4972	10	
Method (A/B)		B	
pH - Distilled Water		12.5	≥12.4
pH - Calcium Chloride			
Date Tested		1/5/2023	

Particle Size Distribution

Chart

Comments

N/A

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

Report No: MAT:03113664-160-S1
Issue No: 1

Material Test Report

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

CC: COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/11/2023

Sample Details

Sample ID:	03113664-160-S1 **Lift:**
Client Sample ID:	Lab #1 **Contractor:**
Date Sampled:	01/03/23
Sampled By:	Benjamin Urbina
Specification:	Lime Treated Subgrade
Supplier:	In-situ material
Source:	In-situ material
Material:	Brown Clay ()Lime Treated Subgrade)
Sampling Method:	Sampled Onsite
Soil Description:	Lime Treated Brn Clay
General Location:	Roadway
Location:	On site material

Other Test Results

Description	Method	Result	Limits
Maximum Dry Unit Weight (lbf/ft³)	ASTM D 698	93.1	
Corrected Maximum Dry Unit Weight (lbf/ft³)		93.1	
Optimum Water Content (%)		21.6	
Corrected Optimum Water Content (%)		21.6	
Method		A	
Preparation Method		Moist	
Rammer Type		4" Standard	
Specific Gravity (Fines)	Estimated ASTM D 698	2.35	
Tested By		Ignacio Vasquez	
Date Tested		1/9/2023	

Particle Size Distribution

Limits

Chart

Comments

N/A

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

Report No: PRR:03113664-9
Issue No: 1

Proofroll Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX 78252

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/5/2022

General Details

Date: 4/2/2022
Technician: Benjamin Urbina
Weather: Clear

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	755.00'
Area of proofroll (grid points or attach sketch):	Unit 1 Block 37 from Lot 1 to 10.
Equipment used to proofroll the prepared area (make & model):	Frighliner water truck
Approximate weight of vehicle including load (lbs):	40 000 lbs
Visual description of subgrade soil or aggregate base:	Brown lean clay with sand
Fill required to achieve final subgrade elevation:	N/A
Amount of fill required to achieve final subgrade elevation (ft):	N/A

Based on our observations, the Brown lean clay with sand identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Benjamin Urbina
Sketch Attached: NO

Comments

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

Report No: PRR:03113664-11
Issue No: 1

Proofroll Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX 78252

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/6/2022

General Details

Date: 4/5/2022
Technician: Benjamin Urbina
Weather: Clear

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	755.O0'
Area of proofroll (grid points or attach sketch):	Unit 1 Block 35 from Lot 12 to 22.
Equipment used to proofroll the prepared area (make & model):	Frighliner water truck
Approximate weight of vehicle including load (lbs):	40 000 lbs
Visual description of subgrade soil or aggregate base:	Brown clayed gravel w/sand
Fill required to achieve final subgrade elevation:	N/A
Amount of fill required to achieve final subgrade elevation (ft):	None

Based on our observations, the Brown clayed gravel w/sand identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Benjamin Urbina
Sketch Attached: NO

Comments

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

Report No: PRR:03113664-11
Issue No: 1

Proofroll Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX 78252

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/6/2022

General Details

Date: 4/5/2022
Technician: Benjamin Urbina
Weather: Clear

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	757.O0'
Area of proofroll (grid points or attach sketch):	Unit 1 Block 37 from Lot 11 to 19.
Equipment used to proofroll the prepared area (make & model):	Frighliner water truck
Approximate weight of vehicle including load (lbs):	40 000 lbs
Visual description of subgrade soil or aggregate base:	Brown clayed gravel w/sand
Fill required to achieve final subgrade elevation:	N/A
Amount of fill required to achieve final subgrade elevation (ft):	None

Based on our observations, the Brown clayed gravel w/sand identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Benjamin Urbina
Sketch Attached: NO

Comments

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

Report No: PRR:03113664-32
Issue No: 1

Proofroll Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX 78252

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

General Details

Date: 4/27/2022
Technician: Benjamin Urbina
Weather: Cloudy

Item

- ☐ Final subgrade for building pad
- ☐ Aggregate base for building pad
- ☑ Stripped subgrade prior to the placement of fill
- ☐ Final subgrade for driveway/parking area
- ☐ Aggregate base for driveway/parking area
- ☐ Aggregate base for roadway/airfield

Reported elevation of subgrade at time of proofroll (ft):	752.00'
Area of proofroll (grid points or attach sketch):	Unit 1 Block 34 from Lot 1 to 5.
Equipment used to proofroll the prepared area (make & model):	Frighliner water truck
Approximate weight of vehicle including load (lbs):	40 000 lbs
Visual description of subgrade soil or aggregate base:	Brown Sandy Clay
Fill required to achieve final subgrade elevation:	N/A
Amount of fill required to achieve final subgrade elevation (ft):	N/A

Based on our observations, the Brown Sandy Clay identified in this report IS considered suitable for intended purposes at this time.

The suitability of the subgrade refers to conditions at the time it was observed and proofrolled. The suitability of the subgrade can be adversely affected by rain, freezing temperatures or construction traffic. If unstable areas are found subsequent to proofrolling, they should be corrected prior to further construction.

Inspector: Benjamin Urbina
Sketch Attached: NO

Comments

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

Report No: PTR:03113664-5-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

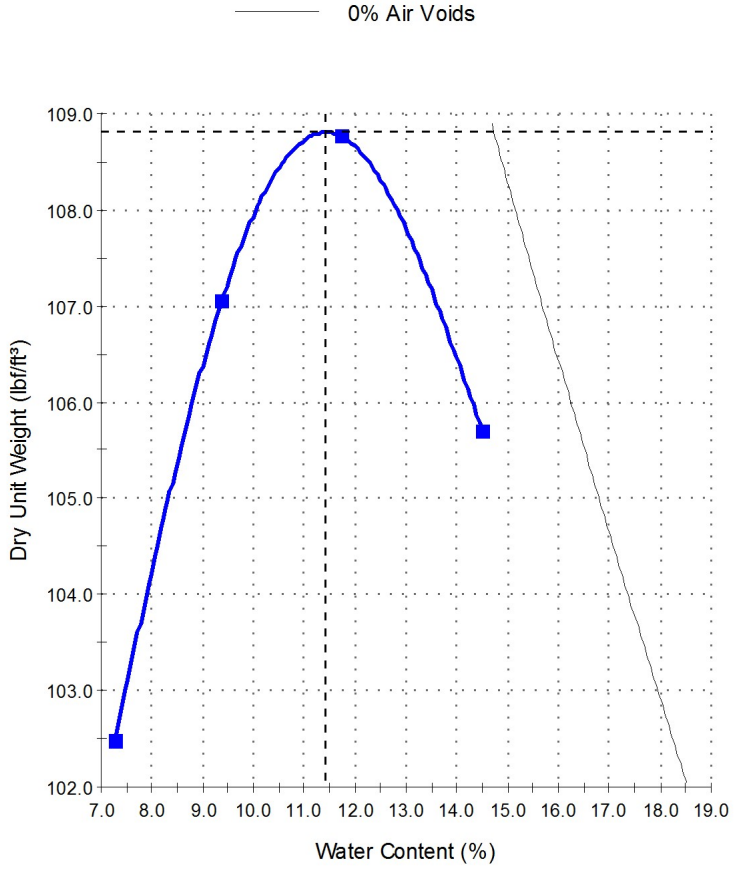
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 3/29/2022

Sample Details

Sample ID:	03113664-5-S1	**Client Sample ID:**	Lab #194
Date Sampled:	3/22/2022	**Date Received:**	3/29/2022
Sampled By:	Ignacio Vasquez	**Specification:**	Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Fat Clay w/Sand (CH), (Subgrade / General fill)	**Sampling Method:**	Sampled Onsite
General Location:	On Site	**Location:**	On Site
Tested By:	Ignacio Vasquez	**Date Tested:**	3/28/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**108.8**
Optimum Water Content (%):	**11.4**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.35
Specific Gravity Method:	Est.
Tested By:	Ignacio Vasquez
Date Tested:	3/28/2022

ASTM D 4318

Liquid Limit (%):	53
Plastic Limit (%):	18
Plasticity Index (%):	35
Tested By:	Ignacio Vasquez
Date Tested:	3/28/2022

Comments

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

Report No: PTR:03113664-8-S1
Issue No: 2
This report replaces all previous issues of this report signed on 03/31/2022

Proctor Report

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

CC: COLBY OLGETREE

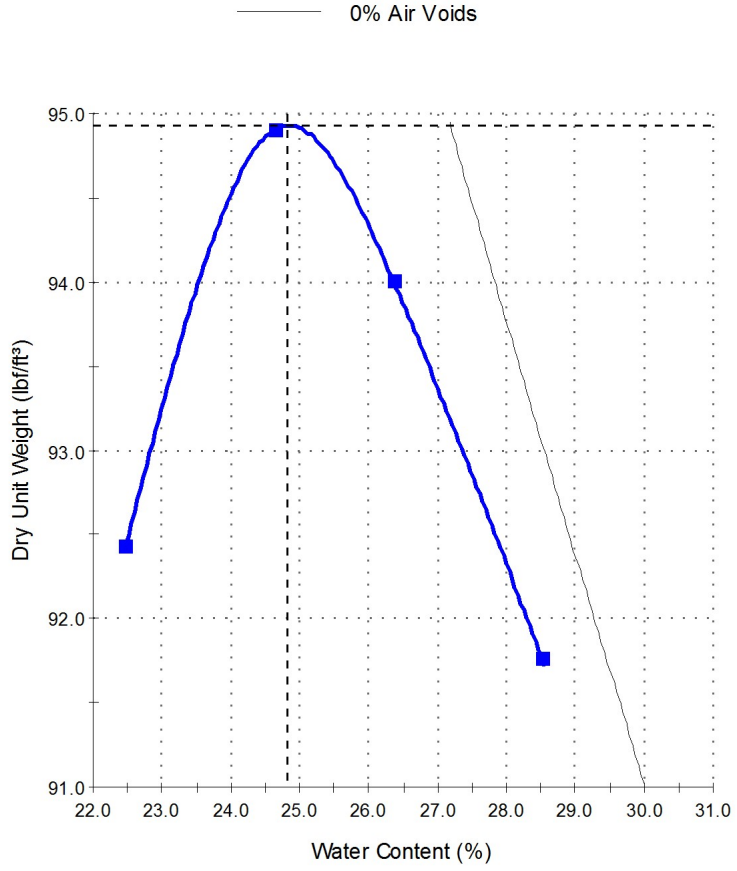
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/6/2022

Sample Details

Sample ID:	03113664-8-S1	**Client Sample ID:**	Lab #209
Date Sampled:	3/29/2022	**Date Received:**	4/6/2022
Sampled By:	Terence Brown	**Specification:**	Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)	**Sampling Method:**	Sampled Onsite
General Location:	On Site	**Location:**	On Site
Tested By:	Ignacio Vasquez	**Date Tested:**	3/31/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**94.9**
Optimum Water Content (%):	**24.8**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.60
Specific Gravity Method:	Est.
Tested By:	Ignacio Vasquez
Date Tested:	3/31/2022

ASTM D 4318

Liquid Limit (%):	57
Plastic Limit (%):	18
Plasticity Index (%):	39
Tested By:	Ignacio Vasquez
Date Tested:	3/31/2022

Comments

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

Report No: PTR:03113664-14-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

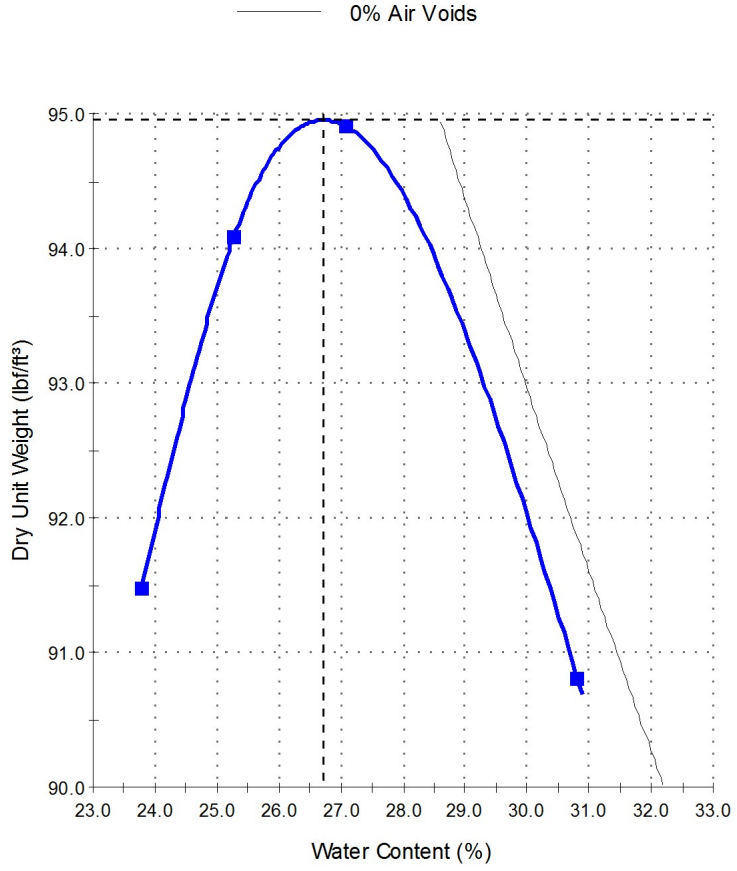
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/12/2022

Sample Details

Sample ID:	03113664-14-S1	**Client Sample ID:**	Lab #217
Date Sampled:	3/31/2022	**Date Received:**	4/12/2022
Sampled By:	Benjamin Urbina	**Specification:**	Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Fat Clay (CH), (Subgrade / Backfill / General Fill)	**Sampling Method:**	Sampled Onsite
General Location:	On site Material	**Location:**	Lots
Tested By:	Trevor Ahin	**Date Tested:**	4/7/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**95.0**
Optimum Water Content (%):	**26.7**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.70
Specific Gravity Method:	EST.
Tested By:	Trevor Ahin
Date Tested:	4/7/2022

ASTM D 4318

Liquid Limit (%):	64
Plastic Limit (%):	22
Plasticity Index (%):	42
Tested By:	Ignacio Vasquez
Date Tested:	4/7/2022

Comments

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

Report No: PTR:03113664-25-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

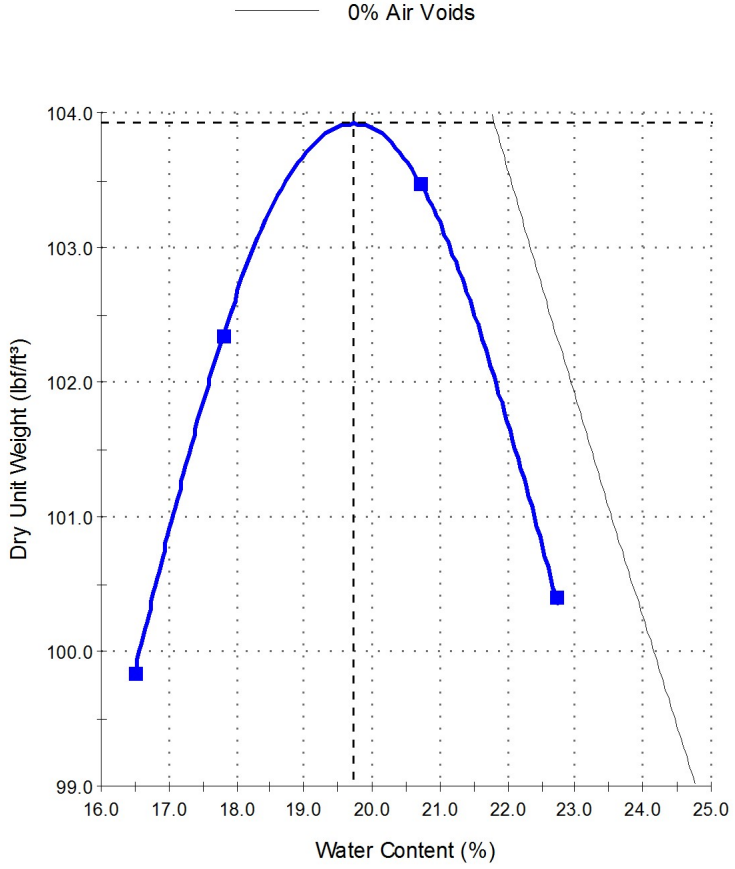
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 4/20/2022

Sample Details

Sample ID:	03113664-25-S1	**Client Sample ID:**	Lab #238
Date Sampled:	4/8/2022	**Date Received:**	4/19/2022
Sampled By:	Benjamin Urbina	**Specification:**	Backfill/General Fill
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Lean Clay w/Sand (CL), Brown	**Sampling Method:**	On-site Stockpile
General Location:	Roadway	**Location:**	On Site
Tested By:	Trevor Ahin	**Date Tested:**	4/18/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**103.9**
Optimum Water Content (%):	**19.7**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.62
Specific Gravity Method:	Estimated
Tested By:	Trevor Ahin
Date Tested:	4/18/2022

ASTM D 4318

Liquid Limit (%):	41
Plastic Limit (%):	14
Plasticity Index (%):	27
Tested By:	Ignacio Vasquez
Date Tested:	4/18/2022

Comments

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

Report No: PTR:03113664-35-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

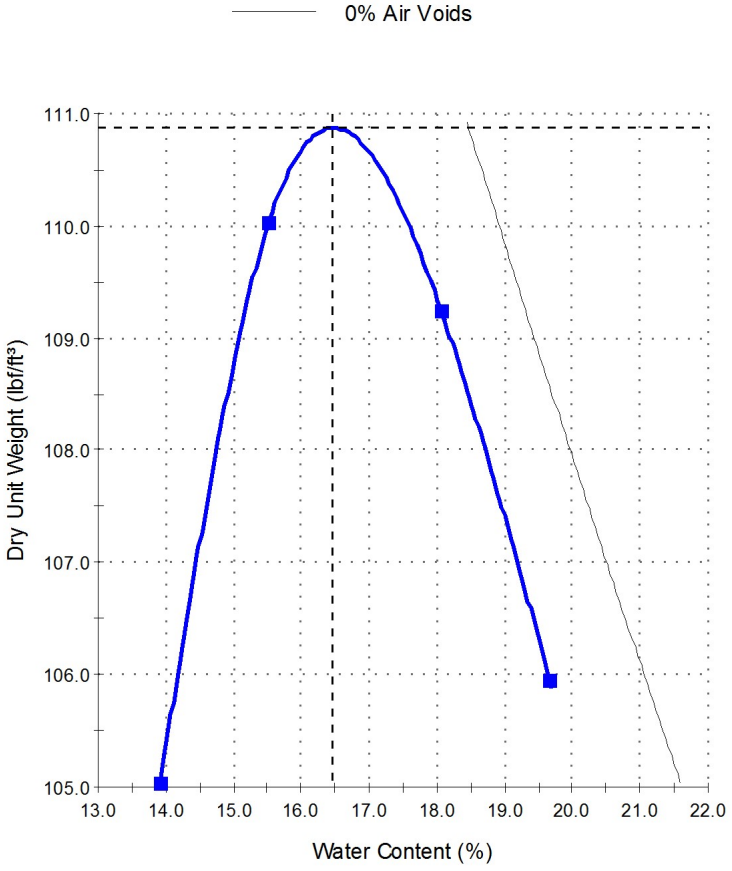
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S1	**Client Sample ID:**	Lab #270
Date Sampled:	4/22/2022	**Date Received:**	5/2/2022
Sampled By:	Benjamin Urbina	**Specification:**	Backfill/General Fill
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Lt Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	**Sampling Method:**	On-site Stockpile
General Location:	Utility trench Sta:3+50	**Location:**	On Site
Tested By:	Trevor Ahin	**Date Tested:**	4/29/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**110.9**
Optimum Water Content (%):	**16.5**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.65
Specific Gravity Method:	Estimated
Tested By:	Trevor Ahin
Date Tested:	4/29/2022

ASTM D 4318

Liquid Limit (%):	35
Plastic Limit (%):	13
Plasticity Index (%):	22
Tested By:	Ignacio Vasquez
Date Tested:	4/29/2022

Comments

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

Report No: PTR:03113664-35-S2
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

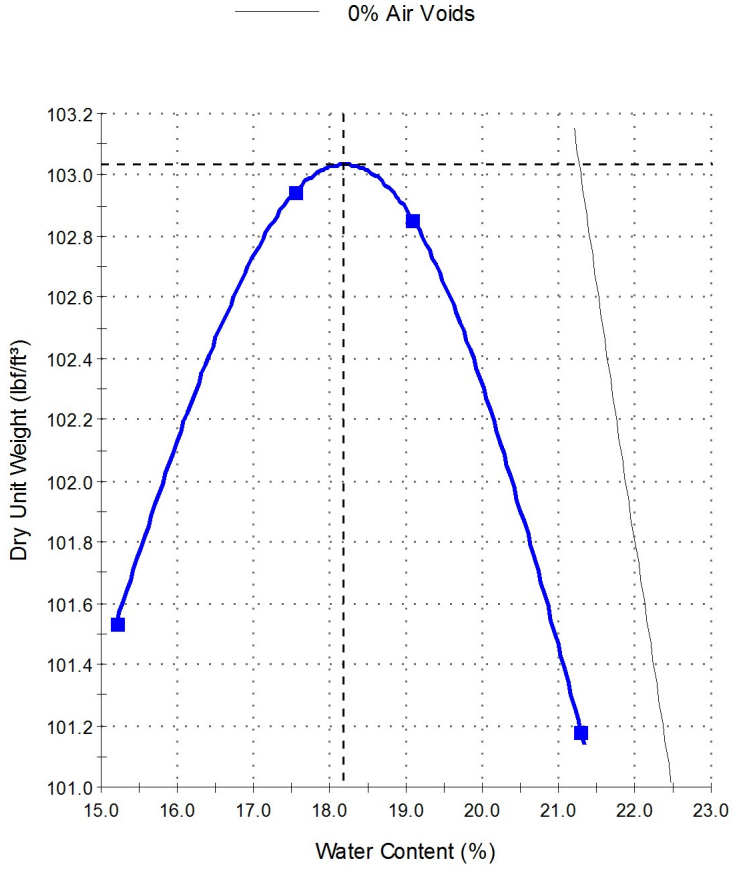
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/2/2022

Sample Details

Sample ID:	03113664-35-S2	**Client Sample ID:**	Lab #271
Date Sampled:	4/22/2022	**Date Received:**	5/2/2022
Sampled By:	Benjamin Urbina	**Specification:**	Backfill/General Fill
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Lean Clay w/Sand (CL), (Subgrade / Backfill / General Fill)	**Sampling Method:**	On-site Stockpile
General Location:	Utility trench Sta:3+50	**Location:**	On Site
Tested By:	Trevor Ahin	**Date Tested:**	4/29/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**103.0**
Optimum Water Content (%):	**18.2**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.55
Specific Gravity Method:	Estimated
Tested By:	Trevor Ahin
Date Tested:	4/29/2022

ASTM D 4318

Liquid Limit (%):	36
Plastic Limit (%):	12
Plasticity Index (%):	24
Tested By:	Ignacio Vasquez
Date Tested:	4/29/2022

Comments

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

Report No: PTR:03113664-123-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

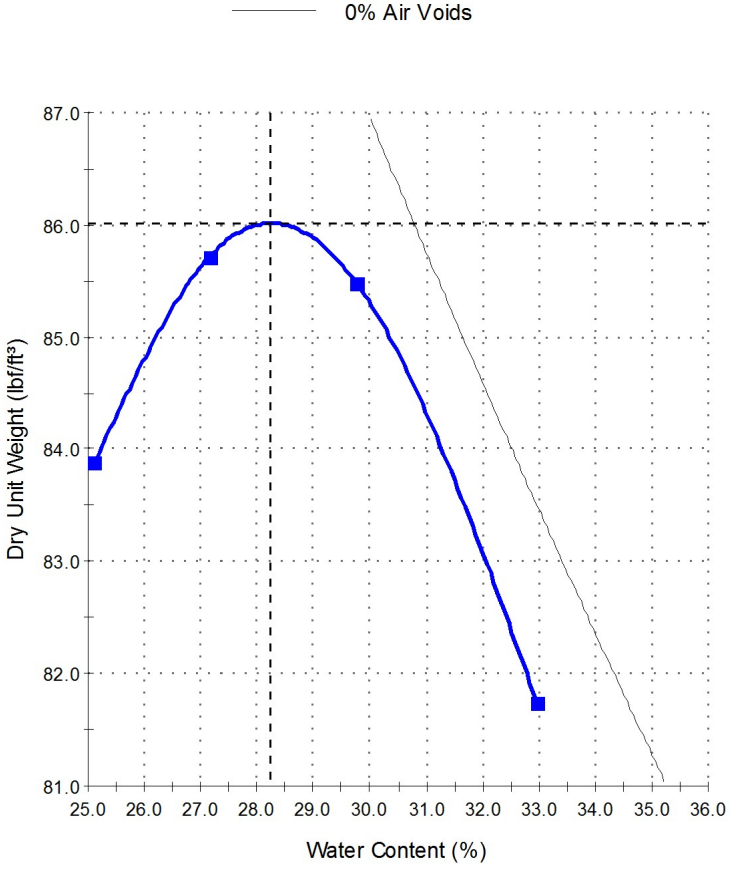
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S1	**Client Sample ID:**	Lab #821
Date Sampled:	11/1/2022	**Date Received:**	11/2/2022
Sampled By:	David Rosales	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Sycamore Crossing	**Location:**	On site material
Tested By:	Ignacio Vasquez	**Date Tested:**	11/5/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**86.0**
Optimum Water Content (%):	**28.2**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.40
Specific Gravity Method:	Estimated
Tested By:	Ignacio Vasquez
Date Tested:	11/5/2022

ASTM D 4318

Liquid Limit (%):	61
Plastic Limit (%):	44
Plasticity Index (%):	17
Tested By:	Ignacio Vasquez
Date Tested:	11/7/2022

Comments

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

Report No: PTR:03113664-123-S2
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

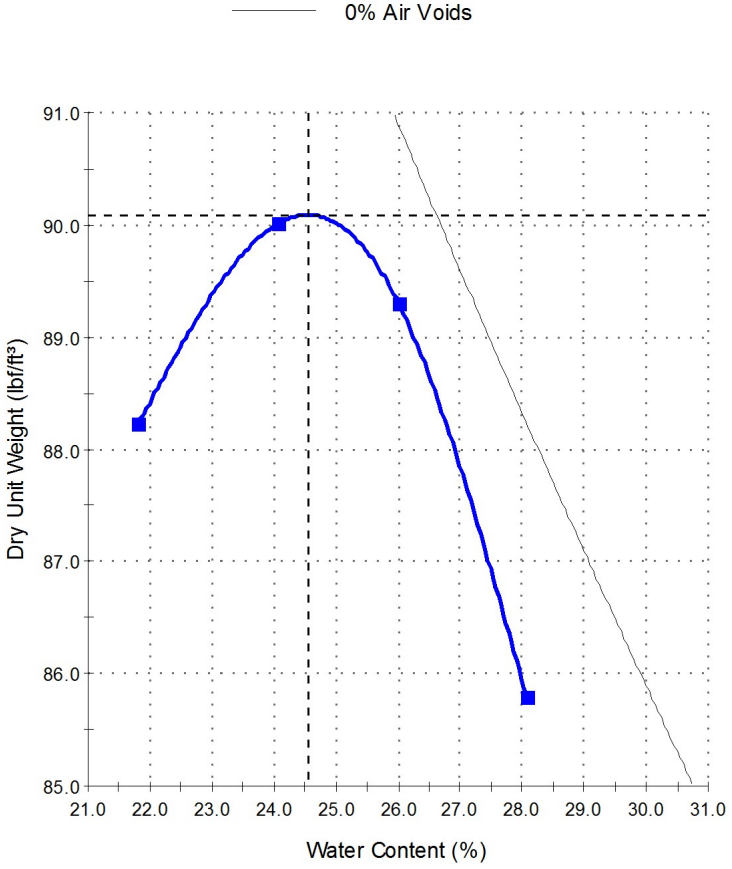
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/14/2022

Sample Details

Sample ID:	03113664-123-S2	**Client Sample ID:**	Lab #822
Date Sampled:	11/1/2022	**Date Received:**	11/2/2022
Sampled By:	David Rosales	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Lower Crossing	**Location:**	On site material
Tested By:	Ignacio Vasquez	**Date Tested:**	11/5/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**90.1**
Optimum Water Content (%):	**24.5**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.35
Specific Gravity Method:	Estimated
Tested By:	Ignacio Vasquez
Date Tested:	11/5/2022

ASTM D 4318

Liquid Limit (%):	63
Plastic Limit (%):	45
Plasticity Index (%):	18
Tested By:	Ignacio Vasquez
Date Tested:	11/7/2022

Comments

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

Report No: PTR:03113664-127-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

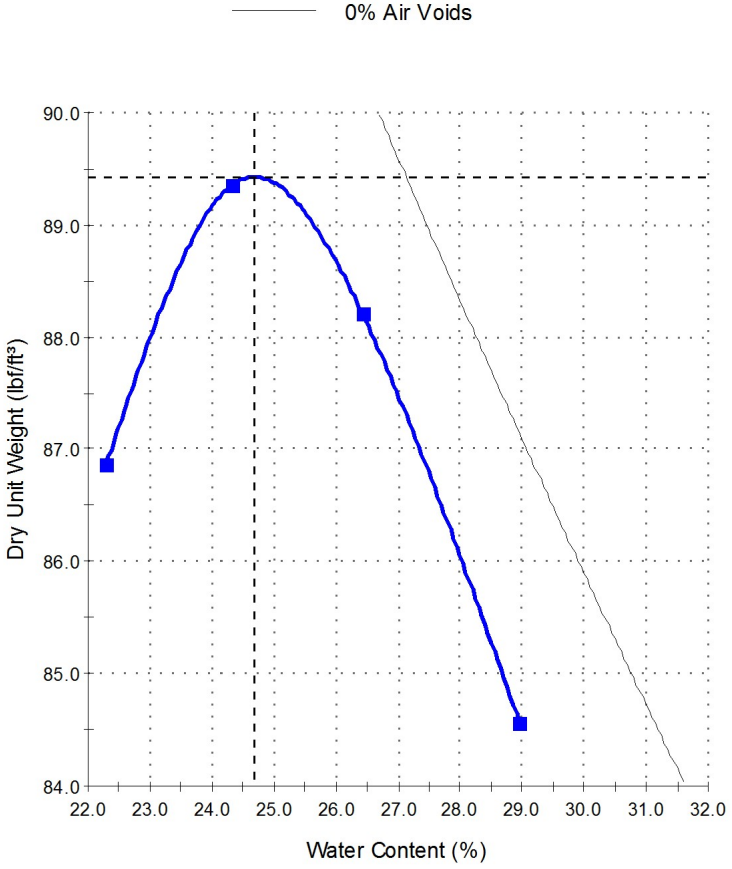
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID:	03113664-127-S1	**Client Sample ID:**	Lab #842
Date Sampled:	11/4/2022	**Date Received:**	11/4/2022
Sampled By:	Benjamin Urbina	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Sycamore pass street	**Location:**	On site material
Tested By:	David Rosales	**Date Tested:**	11/12/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**89.4**
Optimum Water Content (%):	**24.7**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.35
Specific Gravity Method:	Estimated
Tested By:	David Rosales
Date Tested:	11/12/2022

ASTM D 4318

Liquid Limit (%):	51
Plastic Limit (%):	33
Plasticity Index (%):	18
Tested By:	Ignacio Vasquez
Date Tested:	11/12/2022

Comments

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

Report No: PTR:03113664-127-S2
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

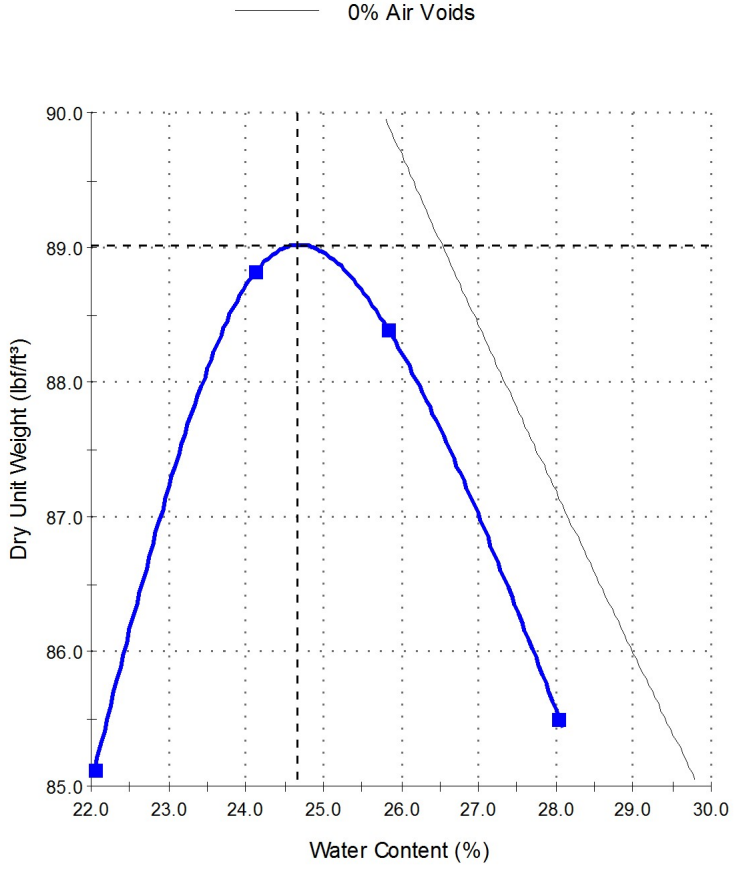
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/15/2022

Sample Details

Sample ID:	03113664-127-S2	**Client Sample ID:**	Lab #843
Date Sampled:	11/4/2022	**Date Received:**	11/4/2022
Sampled By:	Benjamin Urbina	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Lower pass street	**Location:**	On site material
Tested By:	David Rosales	**Date Tested:**	11/12/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**89.0**
Optimum Water Content (%):	**24.7**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.30
Specific Gravity Method:	Estimated
Tested By:	David Rosales
Date Tested:	11/12/2022

ASTM D 4318

Liquid Limit (%):	55
Plastic Limit (%):	46
Plasticity Index (%):	9
Tested By:	Ignacio Vasquez
Date Tested:	11/12/2022

Comments

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

Report No: PTR:03113664-131-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

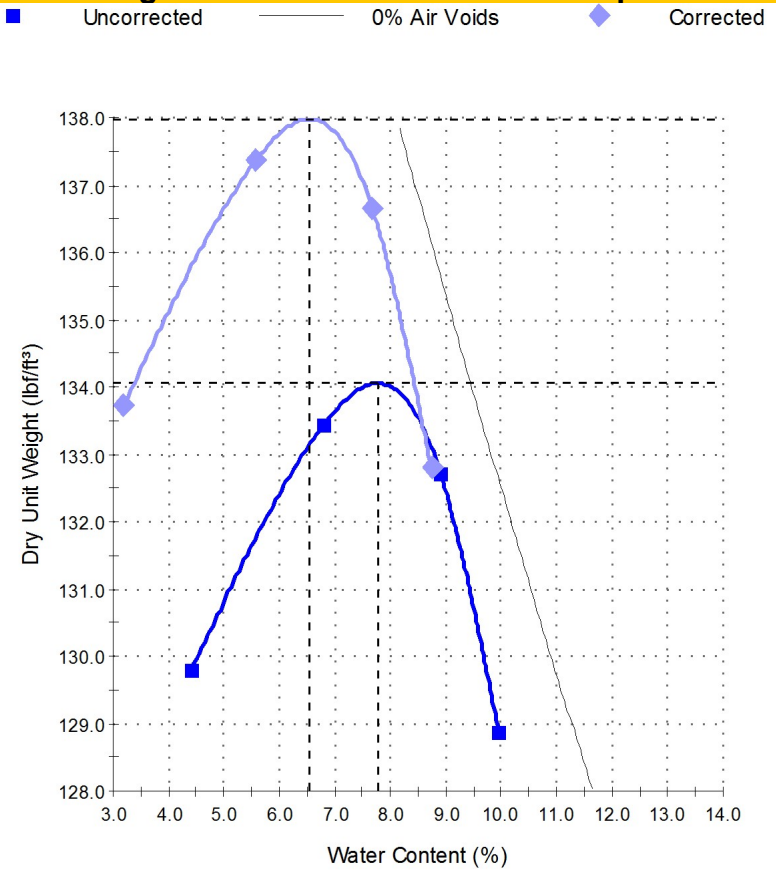
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S1	**Client Sample ID:**	Lab #857
Date Sampled:	11/11/2022	**Date Received:**	11/11/2022
Sampled By:	Benjamin Urbina	**Specification:**	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates	**Source:**	In-situ material
Material:	Crushed Limestone (Roadway Base)	**Sampling Method:**	Sampled Onsite
General Location:	Pavement	**Location:**	On site
Tested By:	Ignacio Vasquez	**Date Tested:**	11/18/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 1557

Maximum Dry Unit Weight (lbf/ft³):	**134.1**
Optimum Water Content (%):	**7.8**
Method:	C
Preparation Method:	Moist
Specific Gravity (Fines):	2.70
Specific Gravity Method:	Estimated
Retained Sieve 3/8" (9.5mm) (%):	41
Retained Sieve 3/4" (19mm) (%):	21
Passing Sieve 3/8" (9.5mm) (%):	59
Passing Sieve 3/4" (19mm) (%):	79
Tested By:	Ignacio Vasquez
Date Tested:	11/18/2022

ASTM D 4718

Corrected Maximum Dry Unit Weight (lbf/ft³):	**138.0**
Corrected Optimum Water Content (%):	**6.5**
Specific Gravity (Oversize):	2.48
Sieve Size (Oversize):	3/4
Oversize Particles (%):	21

ASTM D 4318

Liquid Limit (%):	21
Plastic Limit (%):	15
Plasticity Index (%):	6
Tested By:	Ignacio Vasquez
Date Tested:	11/21/2022

Comments

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

Report No: PTR:03113664-131-S2
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

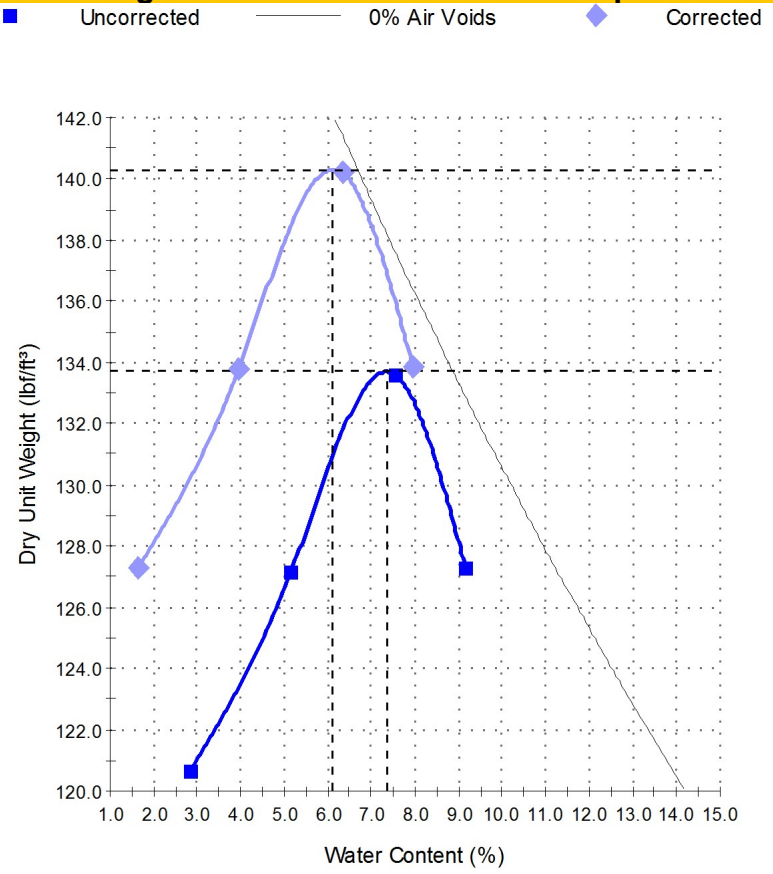
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 11/28/2022

Sample Details

Sample ID:	03113664-131-S2	**Client Sample ID:**	Lab #858
Date Sampled:	11/11/2022	**Date Received:**	11/11/2022
Sampled By:	Benjamin Urbina	**Specification:**	Grade 1-2; 2014 Specification
Supplier:	Ace Aggregates	**Source:**	In-situ material
Material:	Crushed Limestone (Roadway Base)	**Sampling Method:**	Sampled Onsite
General Location:	Pavement	**Location:**	On site
Tested By:	Ignacio Vasquez	**Date Tested:**	11/21/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 1557

Maximum Dry Unit Weight (lbf/ft³):	**133.7**
Optimum Water Content (%):	**7.3**
Method:	C
Preparation Method:	Moist
Specific Gravity (Fines):	2.65
Specific Gravity Method:	Estimated
Retained Sieve 3/8" (9.5mm) (%):	56
Retained Sieve 3/4" (19mm) (%):	23
Passing Sieve 3/8" (9.5mm) (%):	44
Passing Sieve 3/4" (19mm) (%):	77
Tested By:	Ignacio Vasquez
Date Tested:	11/21/2022

ASTM D 4718

Corrected Maximum Dry Unit Weight (lbf/ft³):	**140.3**
Corrected Optimum Water Content (%):	**6.1**
Specific Gravity (Oversize):	2.70
Sieve Size (Oversize):	3/4
Oversize Particles (%):	23

ASTM D 4318

Liquid Limit (%):	26
Plastic Limit (%):	17
Plasticity Index (%):	9
Tested By:	Ignacio Vasquez
Date Tested:	11/21/2022

Comments

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

Report No: PTR:03113664-140-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

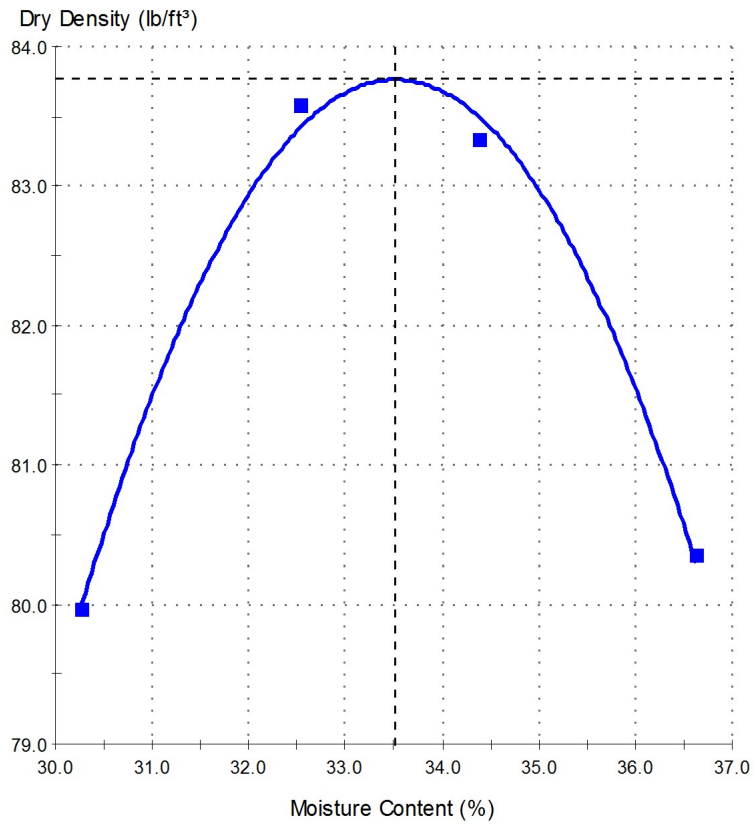
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/12/2022

Sample Details

Sample ID:	03113664-140-S1	**Client Sample ID:**	Lab #872
Date Sampled:	12/2/2022	**Date Received:**	12/2/2022
Sampled By:	Benjamin Urbina	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay (Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Roadway	**Location:**	On site material
Tested By:	Trevor Ahin	**Date Tested:**	12/6/2022

Dry Density - Moisture Content Relationship



Test Results

Tex-114-E

Maximum Dry Density (lb/ft³):	83.8
Optimum Water Content (%):	33.5
Tested By:	Trevor Ahin
Date Tested:	12/6/2022

ASTM D 4318

Liquid Limit (%):	68
Plastic Limit (%):	32
Plasticity Index (%):	36
Tested By:	Ignacio Vasquez
Date Tested:	12/6/2022

Comments

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

Report No: PTR:03113664-143-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

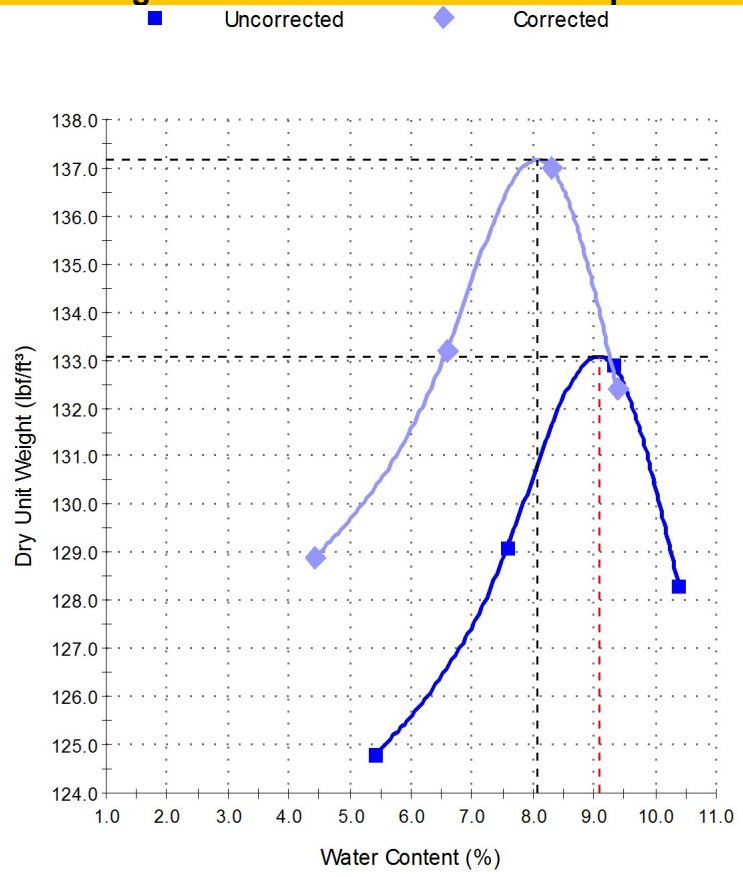
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 12/13/2022

Sample Details

Sample ID:	03113664-143-S1	**Client Sample ID:**	Lab #874
Date Sampled:	12/1/2022	**Date Received:**	12/1/2022
Sampled By:	Benjamin Urbina	**Specification:**	Grade 1-2; 2014 Specification
Supplier:	Vulcan Materials	**Source:**	In-situ material
Material:	Crushed Limestone (Roadway Base - Vulcan O'Conner)	**Sampling Method:**	Sampled Onsite
General Location:	On site	**Location:**	On site
Tested By:	Trevor Ahin	**Date Tested:**	12/9/2022

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**133.1**
Optimum Water Content (%):	**9.1**
Method:	C
Preparation Method:	Moist
Rammer Type:	6" Standard
Specific Gravity Method:	Estimated
Retained Sieve 3/4" (19mm) (%):	14
Passing Sieve 3/4" (19mm) (%):	86
Tested By:	Trevor Ahin
Date Tested:	12/9/2022

ASTM D 4718

Corrected Maximum Dry Unit Weight (lbf/ft³):	**137.2**
Corrected Optimum Water Content (%):	**8.1**
Specific Gravity (Oversize):	2.70
Sieve Size (Oversize):	3/4
Oversize Particles (%):	14

ASTM D 4318

Liquid Limit (%):	22
Plastic Limit (%):	12
Plasticity Index (%):	10
Tested By:	Ignacio Vasquez
Date Tested:	12/9/2022

Comments

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

Report No: PTR:03113664-160-S1
Issue No: 1

Proctor Report

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

CC: COLBY OLGETREE

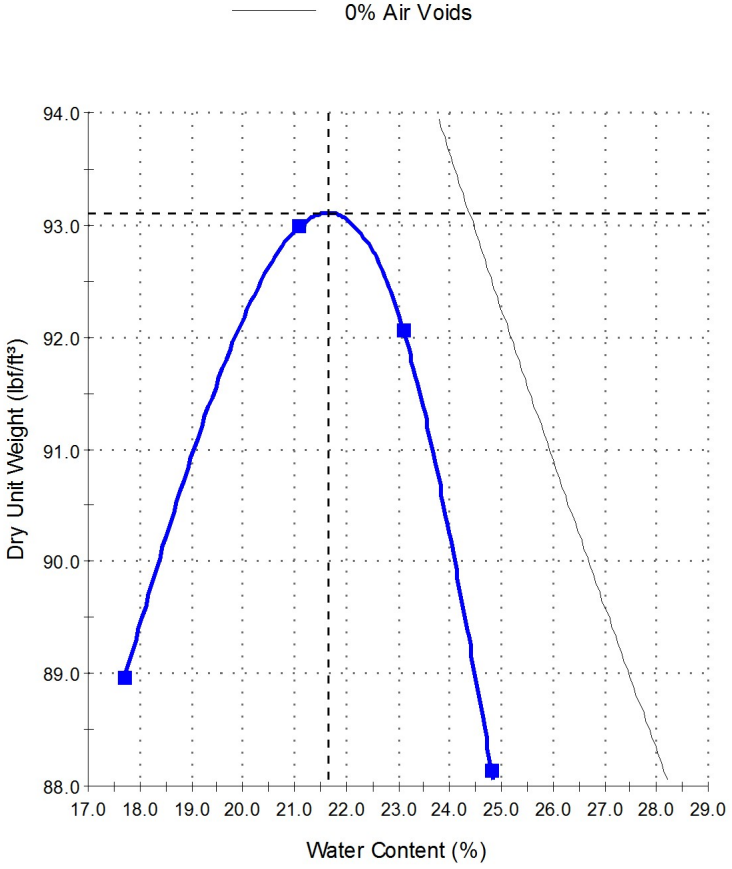
Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 1/11/2023

Sample Details

Sample ID:	03113664-160-S1	**Client Sample ID:**	Lab #1
Date Sampled:	1/3/2023	**Date Received:**	1/3/2023
Sampled By:	Benjamin Urbina	**Specification:**	Lime Treated Subgrade
Supplier:	In-situ material	**Source:**	In-situ material
Material:	Brown Clay ()Lime Treated Subgrade)	**Sampling Method:**	Sampled Onsite
General Location:	Roadway	**Location:**	On site material
Tested By:	Ignacio Vasquez	**Date Tested:**	1/9/2023

Dry Unit Weight - Water Content Relationship



Test Results

ASTM D 698

Maximum Dry Unit Weight (lbf/ft³):	**93.1**
Optimum Water Content (%):	**21.6**
Method:	A
Preparation Method:	Moist
Rammer Type:	4" Standard
Specific Gravity (Fines):	2.35
Specific Gravity Method:	Estimated
Tested By:	Ignacio Vasquez
Date Tested:	1/9/2023

ASTM D 4318

Liquid Limit (%):	65
Plastic Limit (%):	46
Plasticity Index (%):	19
Tested By:	Ignacio Vasquez
Date Tested:	1/5/2023

Comments

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

Report No: SDFR:03113664-34
Issue No: 1

Summary Daily Field Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

Approved Signatory: Ernesto Gomez (Project Manager)
Date of Issue: 5/6/2022

Date: 4/29/2022

WEATHER: Cloudy Lt rain
TEMPERATURE RANGE: 70 ºF TO 72 ºF
PSI REPRESENTATIVE: Benjamin Urbina

TYPE OF INSPECTION BEING PERFORMED

SOILS
- ☐ FOUNDATIONS
- ☐ CONTROLLED FILL (COMPACTION)
- ☑ Densities

CONCRETE
- ☐ BATCH PLANT
- ☐ PLACEMENT (JOB SITE)
- ☐ SPECIMEN TRANSPORT
- ☐

ASPHALT
- ☐ BATCH PLANT
- ☐ PLACEMENT (JOB SITE)
- ☐

OTHER
- ☐
- ☐
- ☐

BRIEF RESUME OF WORK ACCOMPLISHED THIS DATE:
As requested, a representative of PSI reported to the above referenced project site to perform testing and observations. Upon arrival PSI was informed no work would be performed on this date due to the area is not ready for testing.

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: SDFR:03113664-111
Issue No: 1

Summary Daily Field Report

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

CC:
COLBY OLGETREE

Project: JUNGMAN UNIT 1
SAN ANTONIO, TX

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

Date: 10/19/2022

WEATHER: Clear
TEMPERATURE RANGE: 70 ºF TO 72 ºF
PSI REPRESENTATIVE: Benjamin Urbina

TYPE OF INSPECTION BEING PERFORMED

SOILS
- ☐ FOUNDATIONS
- ☐ CONTROLLED FILL (COMPACTION)
- ☐

CONCRETE
- ☐ BATCH PLANT
- ☐ PLACEMENT (JOB SITE)
- ☑ SPECIMEN TRANSPORT
- ☑ 03113664-110, C1

ASPHALT
- ☐ BATCH PLANT
- ☐ PLACEMENT (JOB SITE)
- ☐

OTHER
- ☐
- ☐
- ☐

BRIEF RESUME OF WORK ACCOMPLISHED THIS DATE:
As requested, a representative of PSI reported to the above referenced project site to retrieve 1 set of 5 cylinders cast by PSI on 10/13/2022 which were transported back to the PSI laboratory for further curing and compressive strength testing.