

CC: COLBY OLGETREE

**Field Density Test Report** 

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX Report No: FDR:03113664-161 Issue No: 1

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

**Testing Details** 

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938** 

Contractor: VK Knowlton **Test Mode: Direct Transmission** 

Serial Number: 65455

Weather: Clear **Date Tested:** 1/12/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2180 Standard Count: Moisture: 679

<b>Proctor Information</b>					
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		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 το +2	139.2	99.2	≥95	Α
2	D 6938	03113664-131-S2	6	148.5	6.9	+0.8	-2 τo +2	138.9	99.0	≥95	Α
3	D 6938	03113664-131-S2	6	149.1	7.0	+0.9	-2 το +2	139.3	99.3	≥95	Α
4	D 6938	03113664-131-S2	6	148.6	6.8	+0.7	-2 το +2	139.1	99.1	≥95	Α
5	D 6938	03113664-131-S2	6	148.1	6.5	+0.4	-2 το +2	139.1	99.1	≥95	Α
6	D 6938	03113664-131-S2	6	148.8	6.3	+0.2	-2 το +2	140.0	99.8	≥95	Α

Loc	Location									
Gene	General Location: Clubhouse parking lot/driveway pavement									
Test	Location	Test Elev/Depth	Material/Layer							
No.										
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



# **Field Density Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

**Project:** JUNGMAN UNIT 1 SAN ANTONIO, TX

CC: COLBY OLGETREE

# Report No: FDR:03113664-164

Issue No: 1

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ngagement.

Approved Signatory: Ernesto Gomez (Project Manager)

Pate of Issue: 1/23/2023

**Testing Details** 

Tested By: Benjamin Urbina

Field Methods: ASTM D 6938 Contractor: VK Knowlton

Test Mode: Direct Transmission

Serial Number: 65455

Weather: Clear to Partly Cloudy

**Date Tested:** 1/18/2023

Gauge Make/Model: Troxler/3430

**Standard Count: Density:** 2168 **Standard Count: Moisture:** 673

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

	cation									
Gene	General Location: Jungman Rd widening pavement									
Test		Location	Test Elev/Depth	Material/Layer						
No.				:						
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
	A = Testatinian by Bensiy  A = Testatinian by Bensiy



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: FDR:03113664-164

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

Tes	t Results										
Test No.	Method	Proctor Sample ID			Water Content (%)	_	OWC Var Spec (%)	,	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	Α

	Location									
Gene	General Location: Jungman Rd widening pavement									
Test		Location			Test Elev/Depth	Material/Layer				
No.										
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



CC: COLBY OLGETREE

# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX Report No: FDR:03113664-167

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

1/30/2023

**Testing Details** 

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938** 

Contractor: KV Knowlton

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

Weather: Clear **Date Tested:** 1/26/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2192 Standard Count: Moisture: 685

<b>Proctor Information</b>					
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

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

Loc	Location								
General Location: Jungman Rd widening pavement									
Test	Location	Test Elev/Depth	Material/Layer						
No.			-						
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 MDD = Maximum Dry Density A = TEST RESULTS COMPLY WITH SPECIFICATION



# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX

CC: COLBY OLGETREE

Report No: FDR:03113664-168

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

**Testing Details** 

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938** 

Contractor: VK Knowlton **Test Mode: Direct Transmission** 

Serial Number: 65455

Weather: Cloudy/ Lt. Rain **Date Tested:** 1/28/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2180 Standard Count: Moisture: 691

F	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		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 το +2	135.5	98.2	≥95	Α
2	D 6938	03113664-131-S1	6	145.1	6.9	+0.4	-2 τo +2	135.7	98.3	≥95	Α
3	D 6938	03113664-131-S1	6	146.0	7.5	+1.0	-2 το +2	135.8	98.4	≥95	Α
4	D 6938	03113664-131-S1	6	145.1	7.2	+0.7	-2 το +2	135.4	98.1	≥95	Α
5	D 6938	03113664-131-S1	6	144.9	7.6	+1.1	-2 το +2	134.7	97.6	≥95	Α
6	D 6938	03113664-131-S1	6	144.2	6.2	-0.3	-2 το +2	135.8	98.4	≥95	Α

Loc	Location									
Gene	General Location: Jungman Rd widening pavement									
Test	Location	Test Elev/Depth	Material/Layer							
No.										
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 A = TEST RESULTS COMPLY WITH SPECIFICATION



CC: COLBY OLGETREE

# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: FDR:03113664-168

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 1/30/2023	

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

	Location General Location: Jungman Rd widening pavement							
Test No.	Test Location No.		Material/Layer					
7	STA 32+45, North bound	Final lift	Base (Pavement)					
8	STA 34+55, North bound	Final lift	Base (Pavement)					

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



Fax: (210) 342-9401

# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX

CC: COLBY OLGETREE

Report No: FDR:03113664-169

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

2/17/2023

**Testing Details** 

Tested By: Benjamin Urbina

Field Methods: **ASTM D 6938** 

Contractor: VK Knowlton

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

Weather: Cloudy **Date Tested:** 2/14/2023

Gauge Make/Model: Troxler/3430

Standard Count: Density: 2199 Standard Count: Moisture: 673

Proctor Information Sample ID	Supplier	Material	Method	MDD	OWC (%)
				(lb/ft³)	
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		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 το +2	137.4	99.6	≥95	Α
2	D 6938	03113664-131-S1	6	147.1	7.3	+0.8	-2 τo +2	137.1	99.3	≥95	Α
3	D 6938	03113664-131-S1	6	146.2	7.4	+0.9	-2 το +2	136.1	98.6	≥95	Α
4	D 6938	03113664-131-S1	6	146.9	6.9	+0.4	-2 το +2	137.4	99.6	≥95	Α
5	D 6938	03113664-131-S1	6	146.6	7.0	+0.5	-2 το +2	137.0	99.3	≥95	Α
6	D 6938	03113664-131-S1	6	147.3	6.8	+0.3	-2 το +2	137.9	99.9	≥95	Α

Loc	Location						
Gene	eral Location: Jungman Rd widening pavement						
Test	Location	Test Elev/Depth	Material/Layer				
No.							
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 MDD = Maximum Dry Density
	A = TEST RESULTS COMPLY WITH SPECIFICATION



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Field Density Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: FDR:03113664-169

Issue No: 1

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

Test	t Results										
Test No.	Method	Proctor Sample ID			Water Content	_	OWC Var Spec (%)	,	Comp (%)	Comp Spec (%)	Results
			(in.)	(lb/ft³)	(%)	` ,	,	(lb/ft³)	` ,	. ,	
7	D 6938	03113664-131-S1	6	145.9	6.7	+0.2	-2 τo +2	136.7	99.1	≥95	Α

	Location					
Gene	ral Location: Jungman Rd widening pavement					
Test	Location	Test Elev/Depth	Material/Layer			
No.						
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



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-5-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## 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 On Site Location:

#### Other Test Results

	Description	Method	Result	Limits
	Material Finer than No. 200 (%)	ASTM D 1140	82.1	
ľ	Test Method			
	Initial dry mass (g)		1000.0	
	Dry mass determination	Dry mass directly de	etermined	
1	Tested By	Ignacio	Vasquez	
	Method A Soaking Time (min)		180	
	Date Tested	;	3/28/2022	
17	Group Symbol	ASTM D 2487	CH	
	Group Name	Fat clay	with sand	
ľ	Tested By	Davi	d 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 Sievina 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 53 Plastic Limit 18 Plasticity Index 35 One-point (B) Liquid Limit Procedure Ignacio Vasquez Tested By 3/28/2022 **Date Tested** 

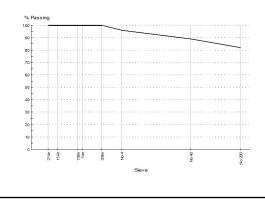
### **Particle Size Distribution**

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

Liquid Limit Device Type

N/A

Manual



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-5-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## 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 On Site Location:

### 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		Α	
Preparation Method		Moist	
Rammer Type	4	l" Standard	
Specific Gravity (Fines)	Est.	2.35	
	ASTM D 698		
Tested By	Ignac	io Vasquez	
Date Tested		3/28/2022	

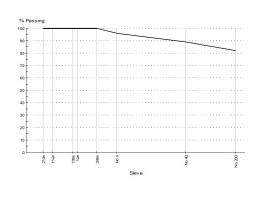
## **Particle Size Distribution**

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



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX

Report No: MAT:03113664-8-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## 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 On Site Location:

#### 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 de	etermined	
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	Davi	d Rosales	
Date Tested		4/6/2022	
Approximate maximum grain size	e ASTM D 4318		
Material retained on 425µm (No. 40) (%)		2.5	
Method of Removal	We	et Sieving	
I		D: ::	

**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 One-point (B) Liquid Limit Procedure

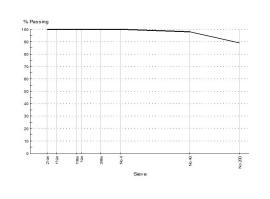
# Particle Size Distribution

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

Tested By

**Date Tested** 

N/A

Ignacio Vasquez

3/31/2022



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-8-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## Sample Details

Sample ID: 03113664-8-S1 Lift:

Client Sample ID: Contractor: Lab #209

**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 On Site Location:

#### 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		Α	
Preparation Method		Moist	
Rammer Type	4'	' Standard	
Specific Gravity (Fines)	Est.	2.60	
·	ASTM D 698		
Tested By	Ignacio	o Vasquez	
Date Tested		3/31/2022	

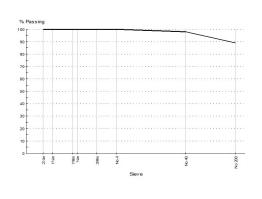
#### **Particle Size Distribution**

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



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-14-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

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 Fat Clay (CH), Brown Soil Description: **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 de	etermined		
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	Davi	d Rosales		
Date Tested	•	4/12/2022		
Approximate maximum grain size	ASTM D 4318			
Material retained on 425µm (No. 40) (%)		1.4		
Method of Pemoval	\\/a	at Sievina		

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

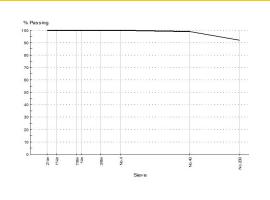
### **Particle Size Distribution**

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

Tested By **Date Tested** 

Liquid Limit Procedure

N/A

One-point (B)

4/7/2022

Ignacio Vasquez



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-14-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## 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		Α	
Preparation Method		Moist	
Rammer Type	4'	" Standard	
Specific Gravity (Fines)	EST.	2.70	
Tested By	ASTM D 698 T	revor Ahin	
Date Tested		4/7/2022	

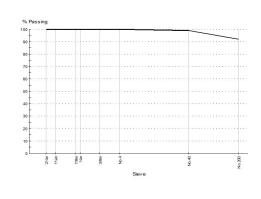
#### **Particle Size Distribution**

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



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: **ASHTON WOODS** 

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-25-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

## Sample Details

Sample ID: 03113664-25-S1 Lift:

Client Sample ID: Lab #238 Contractor:

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

#### 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 d	etermined	
Tested By	Ignacio	o Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/18/2022	
Group Symbol	ASTM D 2487	CL	
Group Name	•	with sand	
Tested By		d Rosales	
Date Tested		4/19/2022	
Approximate maximum grain size			
Material retained on 425µm (No. 40) (%)		23.0	
Method of Removal	VVe	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method	Δ.	Air	
Special selection process	AS	STM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)		Manual	
Liquid Limit Device Type		Manual 41	
Liquid Limit		4 i 14	
Plastic Limit		• •	
Plasticity Index		27	

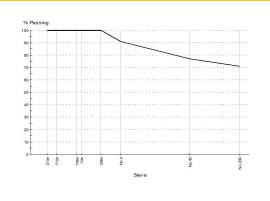
#### **Particle Size Distribution**

Method: ASTM C 136, ASTM C 117

**Drying By:** Oven **Date Tested: 4/18/2022** Tested By: Trevor Ahin

	Sieve Size 2½in (63.0mm) 1¾in (45.0mm)	% Passing	Limits
	2½in (63.0mm)	100	
ı	1¾in (45.0mm)	100	
ı	7/8in (22.4mm)	100	
ı	<sup>3</sup> ⁄ <sub>4</sub> in (19.0mm) <sup>2</sup> 3/8in (9.5mm)	100	
ı	3/8in (9.5mm)	100	
ı	No.4 (4.75mm)	91	
	No.40 (425µm)	77	
ı	No.200 (75µm)	71	
	No.200 (75µm) Finer No.200 (75µn	n) 71	

#### Chart



#### Comments

Tested By

**Date Tested** 

Liquid Limit Procedure

N/A

One-point (B)

Ignacio Vasquez 4/18/2022



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-25-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

# **Particle Size Distribution**

Method: ASTM C 136, ASTM C 117

**Drying By:** Oven **Date Tested: 4/18/2022** Trevor Ahin Tested By:

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

#### Sample Details

Sample ID: 03113664-25-S1 Lift:

Client Sample ID: Lab #238 Contractor:

**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

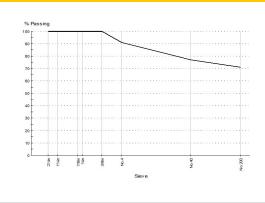
Soil Description: Lean Clay w/Sand (CL), Brown

**General Location:** Roadway Location: On Site

### 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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.62	
Tested By	ASTM D 698 T	revor Ahin	
Date Tested		4/18/2022	

#### Chart



#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-35-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

#### Sample Details

**Sample ID:** 03113664-35-S1 **Lift:** 

Client Sample ID: Lab #270 Contractor:

**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

#### 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 d	etermined	
Tested By	Ignacio	o Vasquez	
Method A Soaking Time (min)		180	
Date Tested		4/29/2022	
Group Symbol	ASTM D 2487	CL	
Group Name	•	/ lean clay	
Tested By	Davi	d Rosales	
Date Tested		5/2/2022	
Approximate maximum grain size			
Material retained on 425µm (No. 40) (%)		8.1	
Method of Removal	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	AS	STM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		35	
Plastic Limit		13	

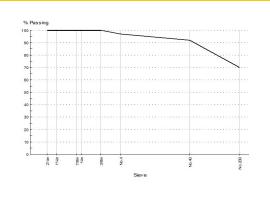
#### **Particle Size Distribution**

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	1) 70	

#### Chart



#### Comments

Plasticity Index

Tested By

**Date Tested** 

Liquid Limit Procedure

N/A

22

One-point (B) Ignacio Vasquez

4/29/2022



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Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-35-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

#### Sample Details

Sample ID: 03113664-35-S1 Lift:

Client Sample ID: Lab #270 Contractor:

**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

Utility trench Sta:3+50 **General Location:** 

Location: On Site

### 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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.65	
Tested By	ASTM D 698 T	revor Ahin	
Date Tested		4/29/2022	

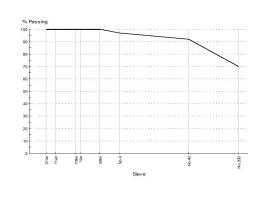
#### **Particle Size Distribution**

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



CC: COLBY OLGETREE

Phone: (210) 342-9377 Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-35-S2

Issue No: 1

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ngagement.

Approved Signatory: Ernesto Gomez (Project Manager)

#### Sample Details

**Sample ID:** 03113664-35-S2 **Lift:** 

Client Sample ID: Lab #271 Contractor:

**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

#### Other Test Results

Special selection process

Rolling Method for PL

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 d	etermined	
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	Davi	d Rosales	
Date Tested		5/2/2022	
Approximate maximum grain size	e ASTM D 4318		
Material retained on 425µm (No. 40) (%)		8.2	
Method of Removal	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	

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

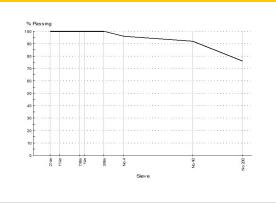
# Particle Size Distribution

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

**Date Tested** 

N/A

ASTM C702

4/29/2022

Hand



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: MAT:03113664-35-S2

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

#### Sample Details

Sample ID: 03113664-35-S2 Lift:

Client Sample ID: Lab #271 Contractor:

**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

Utility trench Sta:3+50 **General Location:** 

Location: On Site

#### 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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.55	
Tested By	ASTM D 698 T	revor Ahin	
Date Tested		4/29/2022	

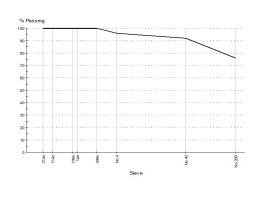
### **Particle Size Distribution**

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	1) 76	

#### Chart



#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-123-S1

Issue No: 1

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gagement.

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

**Particle Size Distribution** 

## 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
Sycamore Crossing
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	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	AS	STM 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	e-point (B)	
Tested By	Ignacio	o Vasquez	
Date Tested		11/7/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/7/2022	

#### Chart

#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

#### Report No: MAT:03113664-123-S1

Issue No: 1

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gagement.

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
Sycamore Crossing
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		Α	
Preparation Method		Moist	
Rammer Type	4"	Standard	
Specific Gravity (Fines)	Estimated	2.40	
	ASTM D 698		
Tested By	Ignacio	Vasquez	
Date Tested	_	11/5/2022	

#### **Particle Size Distribution**

Limits

Chart

#### Comments



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: MAT:03113664-123-S2

Issue No: 1

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

**Particle Size Distribution** 

## 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	W	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	A	STM 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	On	e-point (B)	
Tested By	Ignaci	o Vasquez	
Date Tested		11/7/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested		11/7/2022	

#### Chart

#### Comments



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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

**Project:** JUNGMAN UNIT 1 SAN ANTONIO, TX

CC: COLBY OLGETREE

#### Report No: MAT:03113664-123-S2

Issue No: 1

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gagement.

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
Location: Location: Location: Campled Onsite
Lime Treated Brn Clay
Lower Crossing
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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.35	
	ASTM D 698		
Tested By	Ignaci	o Vasquez	
Date Tested	_	11/5/2022	

#### **Particle Size Distribution**

Limits

#### Chart

#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-127-S1

Issue No: 1

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gagement.

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
Sycamore pass street
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	W	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	Α	STM 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	On	e-point (B)	
Tested By	Ignaci	o Vasquez	
Date Tested	•	11/12/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested	•	11/12/2022	

**Particle Size Distribution** 

#### Chart

#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

**Project:** JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-127-S1

Issue No: 1

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agagement.

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 OnsiteSoil Description:Lime Treated Brn ClayGeneral Location:Sycamore pass streetLocation: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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.35	
	ASTM D 698		
Tested By	Dav	id Rosales	
Date Tested	1	1/12/2022	

#### **Particle Size Distribution**

Limits

Chart

#### Comments



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# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-127-S2

Issue No: 1

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gagement.

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

**Particle Size Distribution** 

## 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
Location: Location: Location: Campled Onsite
Lime Treated Brn Clay
Lower pass street
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	We	t Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	AS	TM 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	e-point (B)	
Tested By	Ignacio	Vasquez	
Date Tested	1	1/12/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
pH - Distilled Water		12.4	≥12.4
pH - Calcium Chloride			
Date Tested	1	1/12/2022	

# Chart

#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-127-S2

Issue No: 1

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gagement.

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
Location: Location: Consider Lime Treated Brn Clay
Lower pass street
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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.30	
	ASTM D 698		
Tested By	Dav	id Rosales	
Date Tested	1	1/12/2022	

#### **Particle Size Distribution**

Limits

Chart

#### Comments



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Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-131-S1

Issue No: 1

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

### Sample Details

Sample ID: 03113664-131-S1 Lift:

Client Sample ID: Contractor: Lab #857

**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 d	etermined	
Tested By	Ignacio	o Vasquez	
Method A Soaking Time (min)		180	
Date Tested	1	1/21/2022	
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		С	
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	2.70	
	ASTM D 1557		
Tested By	Ignacio	o Vasquez	
Date Tested	1	1/18/2022	
Group Symbol	ASTM D 2487	GP-GC	
Group Name Poorly graded	gravel with clay and sand (or silt	y clay and sand)	
Tested By	Davi	d Rosales	
Date Tested	1	1/21/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		89.5	
Method of Removal	We	et 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 το 10
7/8in (22.4mm)	23	10 το 35
3/8in (9.5mm)	58	30 το 65
No.4 (4.75mm)	73	45 το 75
No.40 (425µm)	90	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

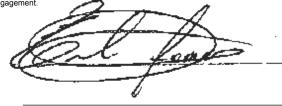
Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-131-S1

Issue No: 1

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

#### Sample Details

Sample ID: 03113664-131-S1 Lift:

Client Sample ID: Contractor: Lab #857

**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	

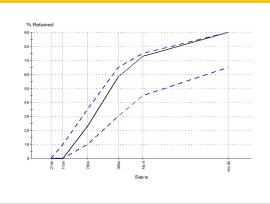
## **Particle Size Distribution**

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 το 10
7/8in (22.4mm)	23	10 το 35
3/8in (9.5mm)	58	30 το 65
No.4 (4.75mm)	73	45 το 75
No.40 (425µm)	90	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

Phone: (210) 342-937 Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-131-S2

Issue No: 1

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gagement.

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 d	etermined	
Tested By	Ignacio	o Vasquez	
Method A Soaking Time (min)		180	
Date Tested	<u>-</u>	1/21/2022	
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		С	
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	2.65	
	ASTM D 1557		
Tested By		Vasquez	
Date Tested		1/21/2022	
Group Symbol	ASTM D 2487	GP-GC	
	gravel with clay and sand (or silt		
Tested By		d Rosales	
Date Tested		1/21/2022	
Approximate maximum grain size	ASTM D 4318		
Material retained on 425µm (No. 40) (%)		89.0	
Method of Removal	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	

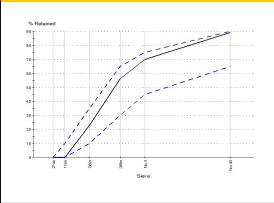
#### **Particle Size Distribution**

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 το 10
7/8in (22.4mm)	23	10 το 35
3/8in (9.5mm)	56	30 το 65
No.4 (4.75mm)	70	45 το 75
No.40 (425µm)	89	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-131-S2

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager) 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	

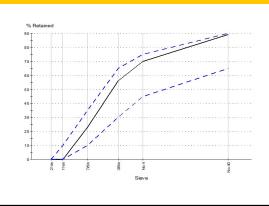
#### **Particle Size Distribution**

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 το 10
7/8in (22.4mm)	23	10 το 35
3/8in (9.5mm)	56	30 το 65
No.4 (4.75mm)	70	45 το 75
No.40 (425µm)	89	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

Phone: (210) 342-937 Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

## Report No: MAT:03113664-140-S1

Issue No: 1

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gagement.

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: Sampled Onsite
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	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Air	
Special selection process	AS	STM 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	e-point (B)	
Tested By	Ignacio	Vasquez	
Date Tested		12/6/2022	
Sieve Size	ASTM D 4972	10	
Method (A/B)		В	
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



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

### Report No: MAT:03113664-143-S1

Issue No: 1

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gagement.

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 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 d	etermined	
Tested By	Ignacio	Vasquez	
Method A Soaking Time (min)		180	
Date Tested		12/7/2022	
Group Symbol	ASTM D 2487	GP-GC	
	d gravel with clay (or		
Tested By		d Rosales	
Date Tested		2/12/2022	
Approximate maximum grain size			
Material retained on 425µm (No. 40) (%)		175.6	
Method of Removal	We	et Sieving	
Grooving Tool Type		Plastic	
Specimen preparation method		Wet	
Drying Method		Oven	
Special selection process	AS	STM C702	
Rolling Method for PL		Hand	
As Received Water Content (%)			
Liquid Limit Device Type		Manual	
Liquid Limit		22	≤40
Plastic Limit		12	
Plasticity Index	0	10	≤10
Liquid Limit Procedure		e-point (B)	
Tested By	•	Vasquez	
Date Tested		12/9/2022	

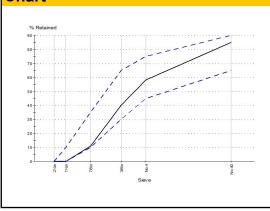
#### **Particle Size Distribution**

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 το 10
7/8in (22.4mm)	11	10 το 35
3/8in (9.5mm)	40	30 το 65
No.4 (4.75mm)	58	45 το 75
No.40 (425µm)	85	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

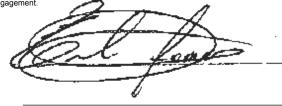
Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

#### Report No: MAT:03113664-143-S1

Issue No: 1

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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 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		С	
Preparation Method		Moist	
Rammer Type	6'	" Standard	
Retained Sieve 3/4" (19mm) (%)		14	
Specific Gravity (Oversize)		2.70	
Tested By	Т	revor Ahin	
Date Tested		12/9/2022	

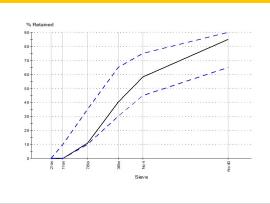
#### **Particle Size Distribution**

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 το 10
7/8in (22.4mm)	11	10 το 35
3/8in (9.5mm)	40	30 το 65
No.4 (4.75mm)	58	45 το 75
No.40 (425µm)	85	65 το 90

#### Chart



#### Comments



CC: COLBY OLGETREE

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

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-160-S1

Issue No: 1

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ngagement.

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

**Particle Size Distribution** 

## 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	AS	STM 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)		В	
pH - Distilled Water		12.5	≥12.4
pH - Calcium Chloride			
Date Tested		1/5/2023	

# Chart

#### Comments



CC: COLBY OLGETREE

Phone: (210) 342-937 Fax: (210) 342-9401

# **Material Test Report**

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

# Report No: MAT:03113664-160-S1

Issue No: 1

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agagement.

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		Α	
Preparation Method		Moist	
Rammer Type	4	" Standard	
Specific Gravity (Fines)	Estimated	2.35	
	ASTM D 698		
Tested By	Ignaci	o Vasquez	
Date Tested	_	1/9/2023	

### **Particle Size Distribution**

Limits

Chart

### Comments

N/A



Three Burwood Lane San Antonio, TX 78216 Texas Firm Registration No. F-03307 Phone: (210) 342-9377

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

# **Proofroll Report**

Client: ASHTON WOODS

17319 SAN PEDRO

SUITE 140

SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX 78252

CC:

COLBY OLGETREE

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

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pproved Signatory: Ernesto Gomez (Project Manager)

5744744151416, 174 16262	Date of Issue: 4/5/2022
General Details Date: 4/2/2022	Technician: Benjamin Urbina
Weather: Clear	
Item	
Final subgrade for building pad	Final subgrade for driveway/parking area
Aggregate base for building pad	Aggregate base for driveway/parking area
Stripped subgrade prior to the placement of fill	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		



Three Burwood Lane San Antonio, TX 78216 Texas Firm Registration No. F-03307 Phone: (210) 342-9377

Phone: (210) 342-937 Fax: (210) 342-9401

# **Proofroll Report**

Client: ASHTON WOODS

17319 SAN PEDRO

SUITE 140

SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX 78252

CC:

COLBY OLGETREE

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

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Approved Signatory: Ernesto Gomez (Project Manager)

Pate of Issue: 4/6/2022

SAN ANTONIO, 1X 18252	Date of Issue: 4/6/2022
General Details Date: 4/5/2022 Weather: Clear	Technician: Benjamin Urbina
Item	
Final subgrade for building pad	Final subgrade for driveway/parking area
Aggregate base for building pad	Aggregate base for driveway/parking area
Stripped subgrade prior to the placement of fill	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/sa	nd 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 proofrol temperatures or construction traffic. If unstable areas are found subsequent to proofrolling	
Inspector: Benjamin Urbina Sketch Attached: NO	
Comments	



Three Burwood Lane San Antonio, TX 78216 Texas Firm Registration No. F-03307

Phone: (210) 342-9377 Fax: (210) 342-9401

# **Proofroll Report**

ASHTON WOODS Client:

17319 SAN PEDRO

**SUITE 140** 

SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX 78252

CC:

COLBY OLGETREE

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

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Approved Signatory Ernesto Gomez (Project Manager)

Date of Issue: 4/6/2022

Technician: Benjamin Urbina	
Final subgrade for driveway/parking area	
Aggregate base for driveway/parking area	
Aggregate base for roadway/airfield	
757.00'	
Unit 1 Block 37 from Lot 11 to 19.	
Frighliner water truck	
40 000 lbs	
Brown clayed gravel w/sand	
N/A	
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 prooffolling, they should be corrected prior to further construction.

Benjamin Urbina Inspector:

**Sketch Attached:** 

Comments		



Three Burwood Lane San Antonio, TX 78216 Texas Firm Registration No. F-03307 Phone: (210) 342-9377

Phone: (210) 342-937 Fax: (210) 342-9401

# **Proofroll Report**

Client: ASHTON WOODS

17319 SAN PEDRO

SUITE 140

SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX 78252

### CC:

COLBY OLGETREE

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

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Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 5/5/2022

General Details Date: 4/27/2022 Weather: Cloudy	Technician: Benjamin Urbina	
Item		
Final subgrade for building pad	Final subgrade for driveway/parking area	
Aggregate base for building pad	Aggregate base for driveway/parking area	
Stripped subgrade prior to the placement of fill	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			



Fax: (210) 342-9401

CC: COLBY OLGETREE

# **Proctor Report**

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-5-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

### Sample Details

Sample ID: 03113664-5-S1 Date Sampled: 3/22/2022 Sampled By: Ignacio Vasquez Supplier: In-situ material

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

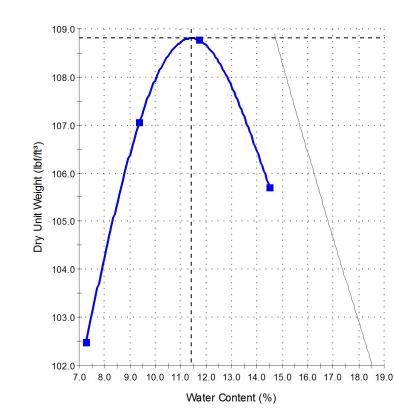
General fill)

General Location: On Site Ignacio Vasquez Tested By:

Client Sample ID: Lab #194 **Date Received:** 3/29/2022 Specification: Subgrade Source: In-situ material Sampling Method: Sampled Onsite

Location: On Site **Date Tested:** 3/28/2022

# **Dry Unit Weight - Water Content Relationship** 0% Air Voids



Test Results				
ASTM D 698				
Maximum Dry Unit Weight (lbf/ft³):	108.8			
Optimum Water Content (%):	11.4			
Method:	Α			
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			



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Proctor Report**

ASHTON WOODS Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-8-S1

Issue No: 2

This report replaces all previous issues of this report signed on 03/31/2022

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Approved Signatory: Ernesto Gomez (Project Manager)

Sample Details

Sample ID: 03113664-8-S1 Date Sampled: 3/29/2022 Sampled By: Terence Brown Supplier: In-situ material Material: Brown Fat Clay (CH), (Subgrade / Backfill /

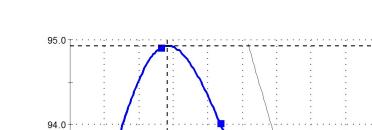
General Fill)

General Location: On Site Tested By: Ignacio Vasquez Client Sample ID: Lab #209 Date Received: 4/6/2022

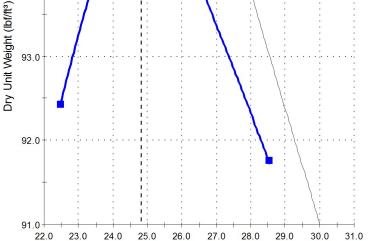
Specification: Subgrade Source: In-situ material Sampling Method: Sampled Onsite

Location: On Site **Date Tested:** 3/31/2022

**Dry Unit Weight - Water Content Relationship** 



0% Air Voids



Water Content (%)

Т	est	R	es	u	lts
---	-----	---	----	---	-----

Maximum Dry Unit Weight 94.9 (lbf/ft³):

Optimum Water Content (%): 24.8 Method: Preparation Method:

Moist Rammer Type: 4" Standard Specific Gravity (Fines): 2.60 Specific Gravity Method:

Ignacio Vasquez Tested By: Date Tested: 3/31/2022

**ASTM D 4318** 

Liquid Limit (%): 57 Plastic Limit (%): 18 Plasticity Index (%):

Tested By: Ignacio Vasquez Date Tested: 3/31/2022



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Proctor Report**

ASHTON WOODS Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-14-S1

Issue No: 1

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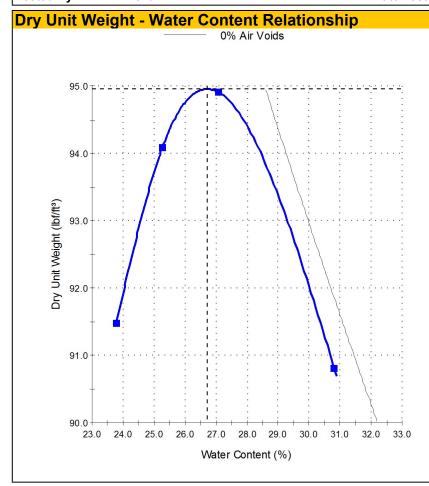
Approved Signatory: Ernesto Gomez (Project Manager)

Sample Details

Client Sample ID: Lab #217 Sample ID: 03113664-14-S1 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 / Sampling Method: Sampled Onsite

General Fill)

General Location: On site Material Location: Lots Tested By: Trevor Ahin **Date Tested:** 4/7/2022



#### Test Results ASTM D 698 Maximum Dry Unit Weight 95.0 (lbf/ft³): Optimum Water Content (%): 26.7 Method: 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 (%): Tested By: Ignacio Vasquez Date Tested: 4/7/2022



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Proctor Report**

ASHTON WOODS Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

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

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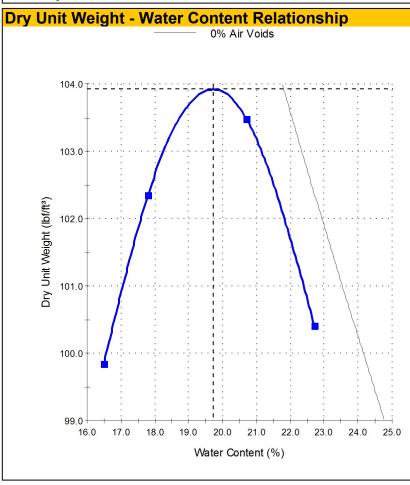
Approved Signatory: Ernesto Gomez (Project Manager)

Sample Details

Client Sample ID: Lab #238 Sample ID: 03113664-25-S1 Date Sampled: Date Received: 4/19/2022 4/8/2022

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



#### Test Results ASTM D 698 Maximum Dry Unit Weight 103.9 (lbf/ft³): Optimum Water Content (%): 19.7 Method: 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 (%): Tested By: Ignacio Vasquez Date Tested: 4/18/2022



CC: COLBY OLGETREE

**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-35-S1

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)

### Sample Details

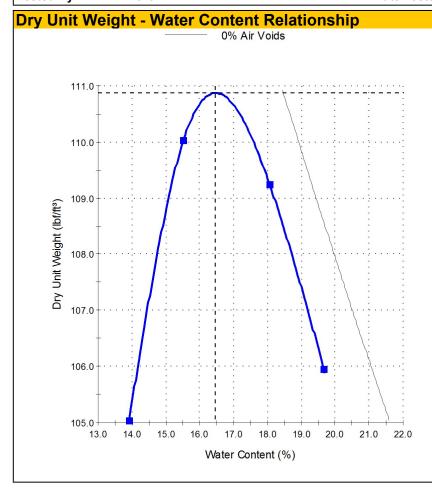
 Sample ID:
 03113664-35-S1
 Client Sample ID:
 Lab #270

 Date Sampled:
 4/22/2022
 Date Received:
 5/2/2022

Sampled By:Benjamin UrbinaSpecification:Backfill/General FillSupplier:In-situ materialSource:In-situ materialMaterial:Lt Brown Lean Clay w/Sand (CL), (Subgrade / Sampling Method:On-site Stockpile

Backfill / General Fill)

General Location:Utility trench Sta:3+50Location:On SiteTested By:Trevor AhinDate Tested:4/29/2022



#### Test Results ASTM D 698 Maximum Dry Unit Weight 110.9 (lbf/ft³): Optimum Water Content (%): 16.5 Method: Α 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



Sample ID:

**Date Sampled:** 

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

CC: COLBY OLGETREE

# **Proctor Report**

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-35-S2

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

On Site

Sample Details

Client Sample ID: Lab #271 03113664-35-S2 4/22/2022 Date Received: 5/2/2022

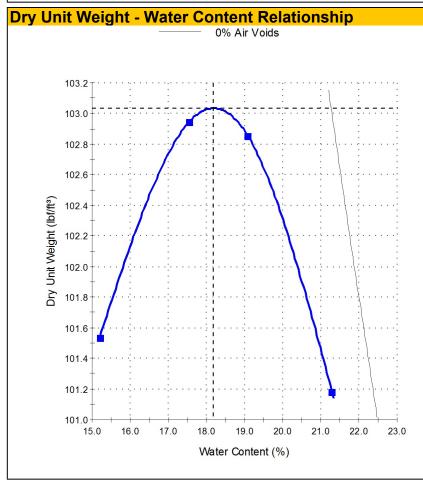
Location:

Sampled By: Benjamin Urbina Specification: Backfill/General Fill Supplier: In-situ material Source: In-situ material Material: Brown Lean Clay w/Sand (CL), (Subgrade / Sampling Method: On-site Stockpile

Backfill / General Fill)

General Location: Utility trench Sta:3+50

Tested By: Trevor Ahin **Date Tested:** 4/29/2022



#### Test Results ASTM D 698 Maximum Dry Unit Weight 103.0 (lbf/ft³): Optimum Water Content (%): 18.2 Method: Α 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



CC: COLBY OLGETREE

**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-123-S1

Issue No: 1

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ligagement.

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

### **Sample Details**

Sample ID:03113664-123-S1Client Sampled:Date Sampled:11/1/2022Date RecSampled By:David RosalesSpecifical

Supplier: In-situ material

Material: Brown Clay (Lime Treated Subgrade)

**General Location:** Sycamore Crossing **Tested By:** Ignacio Vasquez

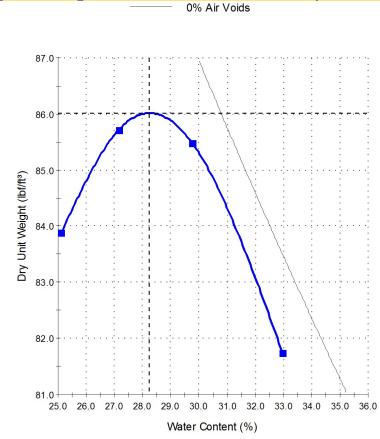
Client Sample ID: Lab #821

Date Received: 11/2/2022

Specification: Lime Treated Subgrade

Source: In-situ material
Sampling Method: Sampled Onsite
Location: On site material
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:

Preparation Method: Moist
Rammer Type: 4" Standard
Specific Gravity (Fines): 2.40
Specific Gravity Method: 5-timeted

Specific Gravity Method: Estimated
Tested By: Ignacio Vasquez
Date Tested: 11/5/2022

ASTM D 4318 Liquid Limit (%):

Liquid Limit (%): 61
Plastic Limit (%): 44
Plasticity Index (%): 17

Tested By: Ignacio Vasquez
Date Tested: 11/7/2022



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**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-123-S2

Issue No: 1

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gagement.

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

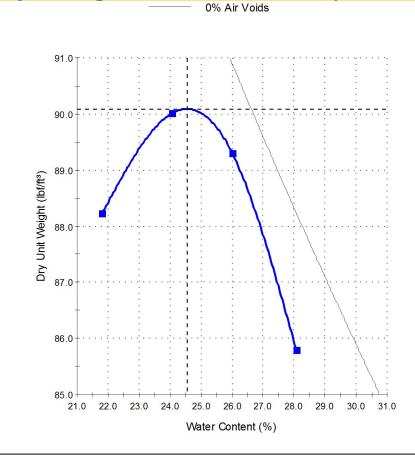
### **Sample Details**

Sample ID:03113664-123-S2Client Sample ID:Lab #822Date Sampled:11/1/2022Date Received:11/2/2022Sampled By:David RosalesSpecification:Lime Treated Subgrade

Supplier:In-situ materialSource:In-situ materialMaterial:Brown Clay (Lime Treated Subgrade)Sampling Method:Sampled OnsiteGeneral Location: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



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**Proctor Report** 

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-127-S1

Issue No: 1

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

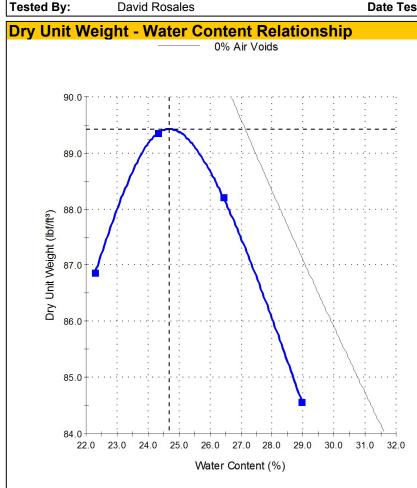
Sample Details

Sampled By:

Sample ID: Client Sample ID: Lab #842 03113664-127-S1 Date Sampled: 11/4/2022 Date Received: 11/4/2022

> Benjamin Urbina Specification: Lime Treated Subgrade

Supplier: In-situ material Source: In-situ material Material: Sampling Method: Sampled Onsite Brown Clay (Lime Treated Subgrade) General Location: Sycamore pass street Location: On site material **David Rosales Date Tested:** 11/12/2022



#### Test Results ASTM D 698 Maximum Dry Unit Weight 89.4 (lbf/ft³): Optimum Water Content (%): 24.7 Method: 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 (%): Tested By: Ignacio Vasquez Date Tested: 11/12/2022



Fax: (210) 342-9401

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# **Proctor Report**

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-127-S2

Issue No: 1

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

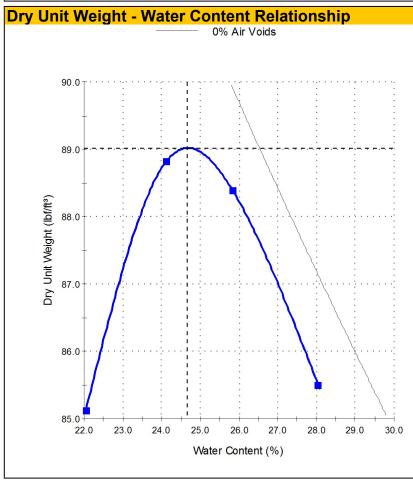
Lime Treated Subgrade

### Sample Details

Sample ID: Client Sample ID: Lab #843 03113664-127-S2 Date Sampled: 11/4/2022 Date Received: Sampled By: Benjamin Urbina Specification:

Supplier: In-situ material Source: In-situ material Material: Sampling Method: Sampled Onsite Brown Clay (Lime Treated Subgrade)

General Location: Lower pass street Location: On site material Tested By: **David Rosales Date Tested:** 11/12/2022



# Test Results

11/4/2022

ASTM D 698

Maximum Dry Unit Weight 89.0 (lbf/ft³):

Optimum Water Content (%): 24.7 Method:

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 (%):

Tested By: Ignacio Vasquez Date Tested: 11/12/2022



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**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-131-S1

Issue No: 1

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gagement.

Approved Signatory: Ernesto Gomez (Project Manager)

Pate of Issue: 11/28/2022

**Test Results** 

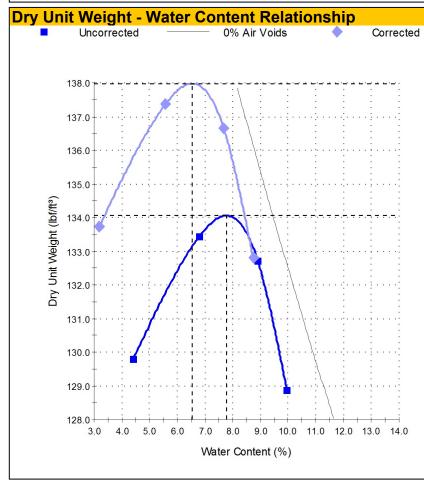
### Sample Details

Sample ID:03113664-131-S1Client Sample ID:Lab #857Date Sampled:11/11/2022Date Received:11/11/2022Sampled By:Benjamin UrbinaSpecification:Grade 1-2; 2014 Specification

Supplier:Ace AggregatesSource:In-situ materialMaterial:Crushed Limestone (Roadway Base)Sampling Method:Sampled Onsite

General Location: Pavement Location: On site

Tested By: Ignacio Vasquez Date Tested: 11/18/2022



ASTM D 1557			
Maximum Dry Unit Weight (lbf/ft³):	134.1		
Optimum Water Content (%):	7.8		
Method:	С		
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			
ASTM D 4718  Corrected Maximum Dry Unit  Weight (lbf/ft³):	138.0		
Corrected Maximum Dry Unit	138.0 6.5		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water			
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%):	6.5		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize):	<b>6.5</b> 2.48		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize):	<b>6.5</b> 2.48 3/4		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize): Oversize Particles (%):	<b>6.5</b> 2.48 3/4		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize): Oversize Particles (%):	<b>6.5</b> 2.48 3/4 21		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize): Oversize Particles (%):  ASTM D 4318 Liquid Limit (%):	<b>6.5</b> 2.48 3/4 21		
Corrected Maximum Dry Unit Weight (lbf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize): Oversize Particles (%):  ASTM D 4318 Liquid Limit (%): Plastic Limit (%):	<b>6.5</b> 2.48 3/4 21 21 15		
Corrected Maximum Dry Unit Weight (Ibf/ft³): Corrected Optimum Water Content (%): Specific Gravity (Oversize): Sieve Size (Oversize): Oversize Particles (%):  ASTM D 4318 Liquid Limit (%): Plastic Limit (%): Plasticity Index (%):	6.5 2.48 3/4 21 21 15 6		



CC: COLBY OLGETREE

**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-131-S2

Issue No: 1

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gagement.

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

Tast Results

# Sample Details

 Sample ID:
 03113664-131-S2
 Client Sample ID:
 Lab #858

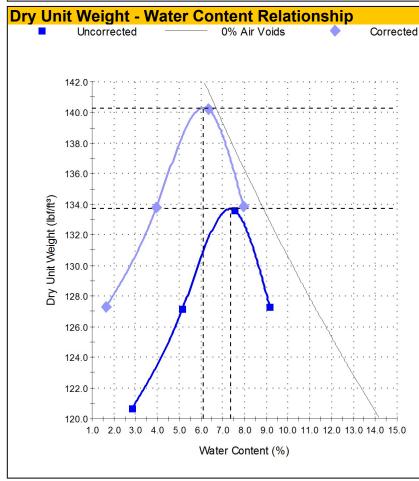
 Date Sampled:
 11/11/2022
 Date Received:
 11/11/2022

 Commod A 2:
 Condo 4:2:
 Condo 4:2:

Sampled By: Benjamin Urbina Specification: Grade 1-2; 2014 Specification

Supplier:Ace AggregatesSource:In-situ materialMaterial:Crushed Limestone (Roadway Base)Sampling Method:Sampled Onsite

General Location:PavementLocation:On siteTested By:Ignacio VasquezDate Tested:11/21/2022



rest Results				
ASTM D 1557				
Maximum Dry Unit Weight (lbf/ft³):	133.7			
Optimum Water Content (%):	7.3			
Method:	С			
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			
Liquid Limit (%): Plastic Limit (%):	26 17			
' ' /				
Plastic Limit (%):	17			
Plastic Limit (%): Plasticity Index (%):	17 9			



CC: COLBY OLGETREE

# **Proctor Report**

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-140-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

12/12/2022

### Sample Details

Sample ID: 03113664-140-S1 Date Sampled: 12/2/2022 Sampled By: Benjamin Urbina Supplier: In-situ material

Material: Brown Clay (Lime Treated Subgrade)

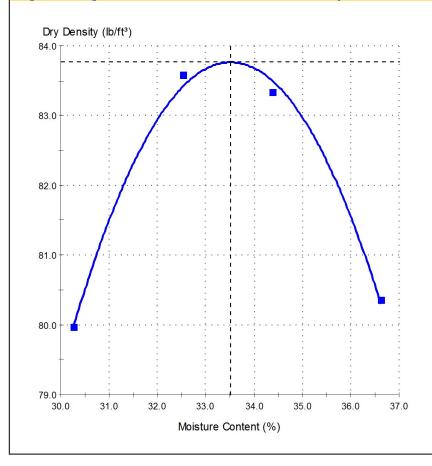
General Location: Roadway Tested By: Trevor Ahin Client Sample ID: Lab #872 **Date Received:** 12/2/2022

Specification: Lime Treated Subgrade

Source: In-situ material Sampling Method: Sampled Onsite

Location: On site material **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 (%):

Tested By: Ignacio Vasquez

**Date Tested:** 12/6/2022



CC: COLBY OLGETREE

**Proctor Report** 

Client: ASHTON WOODS

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-143-S1

Issue No: 1

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de la company de

Approved Signatory: Ernesto Gomez (Project Manager)

Test Results

Sample Details

 Sample ID:
 03113664-143-S1
 Client Sample ID:
 Lab #874

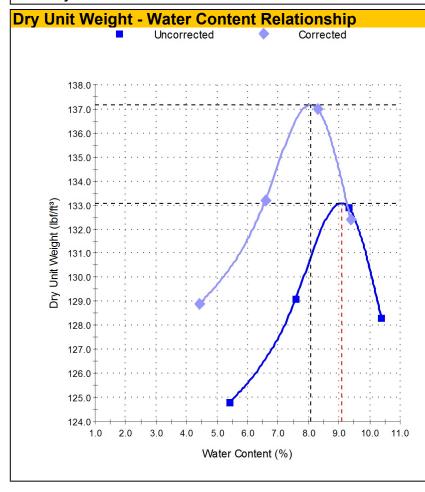
 Date Sampled:
 12/1/2022
 Date Received:
 12/1/2022

Sampled By: Benjamin Urbina Specification: Grade 1-2; 2014 Specification

Supplier:Vulcan MaterialsSource:In-situ materialMaterial:Crushed Limestone (Roadway Base - VulcanSampling Method:Sampled Onsite

O'Conner)

General Location:On siteLocation:On siteTested By:Trevor AhinDate Tested:12/9/2022



ASTM D 698				
Maximum Dry Unit Weight (lbf/ft³):	133.1			
Optimum Water Content (%):	9.1			
Method:	С			
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			



CC: COLBY OLGETREE

Fax: (210) 342-9401

# **Proctor Report**

**ASHTON WOODS** Client:

17319 SAN PEDRO, SUITE 140 SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1

SAN ANTONIO, TX

Report No: PTR:03113664-160-S1

Issue No: 1

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Approved Signatory: Ernesto Gomez (Project Manager)

Sample Details

Sample ID: 03113664-160-S1

1/3/2023 Date Sampled:

Sampled By: Benjamin Urbina Supplier: In-situ material

Material: Brown Clay ()Lime Treated Subgrade)

General Location: Roadway

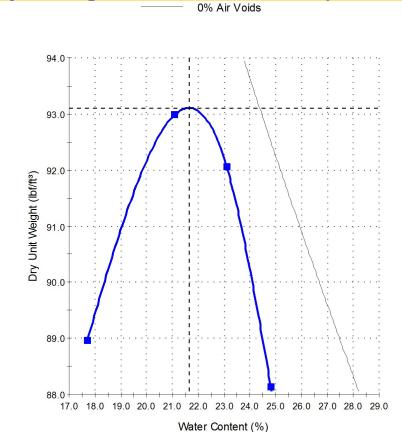
Tested By: Ignacio Vasquez Client Sample ID: Lab #1 Date Received: 1/3/2023

Specification: Lime Treated Subgrade

Source: In-situ material Sampling Method: Sampled Onsite Location: On site material

**Date Tested:** 1/9/2023





#### Test Results

ASTM D 698

Maximum Dry Unit Weight

(lbf/ft³):

93.1

Optimum Water Content (%): 21.6

Method: 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 (%):

Tested By: Ignacio Vasquez Date Tested: 1/5/2023



# **Summary Daily Field Report**

Client: ASHTON WOODS

17319 SAN PEDRO

SUITE 140

SAN ANTONIO, TX 78232

**Project:** JUNGMAN UNIT 1 SAN ANTONIO, TX

CC:

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Report No: SDFR:03113664-34

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

Approved Signatory: Ernesto Gomez (Project Manager)

Date of Issue: 5/6/2022

Date:	4/29/2022			
	WEATHER: TEMPERATURE RANGE PSI REPRESENTATIVE:	Cloudy Lt rain : 70 °F TO 72 °F Benjamin Urbina		
TYPE OF INSPECTION BEING PERFORMED				
	SOILS	CONCRETE		
☐ FOUNDATIONS		☐ BATCH PLANT		
	☐ CONTROLLED FILL (COMPACTION)	☐ PLACEMENT (JOB SITE)		
<b>☑</b> Densities		SPECIMEN TRANSPORT		
	ASPHALT	OTHER		
	☐ BATCH PLANT			
☐ PLACEMENT (JOB SITE)				

### 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.



CC:

COLBY OLGETREE

# **Summary Daily Field Report**

**ASHTON WOODS** Client:

**17319 SAN PEDRO** 

SUITE 140

SAN ANTONIO, TX 78232

Project: JUNGMAN UNIT 1 SAN ANTONIO, TX

Fax: (210) 342-9401

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Report No: SDFR:03113664-111

PSI scope of engagement.

Ernesto Gomez (Project Manager)

Date of Issue: 10/24/2022

Date:	10/19/2022			
		WEATHER: TEMPERATURE RANGE: PSI REPRESENTATIVE:	Clear 70 °F TO Benjamir	
TYPE OF INSPECTION BEING PERFORMED				
	SOILS		CONCRE	ETE
		S		BATCH PLANT
		FILL (COMPACTION)		PLACEMENT (JOB SITE)
			•	SPECIMEN TRANSPORT
			V	☑ 03113664-110, C1
	ASPHALT		OTHER	
	☐ BATCH PLAN	Г		

### BRIEF RESUME OF WORK ACCOMPLISHED THIS DATE:

■ PLACEMENT (JOB SITE)

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.